

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111120\
 Data File : VN064545.D
 Acq On : 11 Nov 2020 10:23
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 12 01:30:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	324651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	558128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	534135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	256209	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	266023	47.04	ug/l	0.00
Spiked Amount			Recovery	=	94.08%	
35) Dibromofluoromethane	7.55	113	189435	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
50) Toluene-d8	10.06	98	715396	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	12.38	95	277891	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	191493	45.312	ug/l	99
3) Chloromethane	2.04	50	227830	44.383	ug/l	100
4) Vinyl Chloride	2.17	62	244998	46.477	ug/l	98
5) Bromomethane	2.53	94	165920	49.270	ug/l	99
6) Chloroethane	2.67	64	164962	48.879	ug/l	98
7) Trichlorofluoromethane	2.99	101	383846	49.452	ug/l	98
8) Diethyl Ether	3.37	74	133762	48.799	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	180316	48.919	ug/l	99
10) Methyl Iodide	3.91	142	214553	50.094	ug/l	99
11) Tert butyl alcohol	4.75	59	154345	247.498	ug/l	99
12) 1,1-Dichloroethene	3.69	96	163705	47.149	ug/l	100
13) Acrolein	3.57	56	138348	357.651	ug/l	98
14) Allyl chloride	4.27	41	322020	47.411	ug/l	99
15) Acrylonitrile	4.93	53	459011	264.372	ug/l	99
16) Acetone	3.78	43	608736	282.599	ug/l	99
17) Carbon Disulfide	4.00	76	487267	46.929	ug/l	99
18) Methyl Acetate	4.28	43	214978	50.764	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	613992	49.134	ug/l	97
20) Methylene Chloride	4.50	84	202065	47.280	ug/l	97
21) trans-1,2-Dichloroethene	4.98	96	191874	48.671	ug/l	97
22) Diisopropyl ether	5.90	45	705203	48.912	ug/l	99
23) Vinyl Acetate	5.85	43	2965786	252.862	ug/l	98
24) 1,1-Dichloroethane	5.80	63	384599	48.544	ug/l	100
25) 2-Butanone	6.79	43	735213	267.878	ug/l	99
26) 2,2-Dichloropropane	6.78	77	354432	49.419	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	223266	48.875	ug/l	97
28) Bromochloromethane	7.15	49	185595	47.659	ug/l	100
29) Tetrahydrofuran	7.17	42	425086	252.447	ug/l	98
30) Chloroform	7.33	83	413789	49.687	ug/l	98
31) Cyclohexane	7.61	56	305500	44.442	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	366915	49.675	ug/l	98
36) 1,1-Dichloropropene	7.75	75	301193	51.082	ug/l	99
37) Ethyl Acetate	6.88	43	288675	48.266	ug/l	99
38) Carbon Tetrachloride	7.73	117	326046	51.740	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	272010	51.463	ug/l	98
40) Benzene	8.00	78	858973	49.577	ug/l	99
41) Methacrylonitrile	7.13	41	138229	52.879	ug/l	89
42) 1,2-Dichloroethane	8.08	62	357815	51.174	ug/l	100
43) Isopropyl Acetate	8.13	43	487671	51.036	ug/l	100
44) Trichloroethene	8.80	130	218759	50.044	ug/l	97
45) 1,2-Dichloropropane	9.08	63	237157	51.299	ug/l	99
46) Dibromomethane	9.17	93	160691	52.802	ug/l	98
47) Bromodichloromethane	9.37	83	339816	51.931	ug/l	99
48) Methyl methacrylate	9.17	41	248661	51.572	ug/l	99
49) 1,4-Dioxane	9.17	88	69456	1093.658	ug/l	97
51) 4-Methyl-2-Pentanone	9.95	43	1506988	270.438	ug/l	99
52) Toluene	10.13	92	548570	51.911	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	361221	52.069	ug/l	98
54) cis-1,3-Dichloropropene	9.81	75	374660	50.511	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	214914	52.148	ug/l	98
56) Ethyl methacrylate	10.40	69	319990	47.295	ug/l	99
57) 1,3-Dichloropropane	10.68	76	372920	51.841	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	846668	263.025	ug/l	97
59) 2-Hexanone	10.72	43	1153548	253.802	ug/l	100
60) Dibromochloromethane	10.87	129	249452	54.062	ug/l	100
61) 1,2-Dibromoethane	10.98	107	222434	53.210	ug/l	99
64) Tetrachloroethene	10.60	164	200192	48.656	ug/l	99
65) Chlorobenzene	11.41	112	575439	49.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	228159	52.230	ug/l	100
67) Ethyl Benzene	11.48	91	1065112	51.139	ug/l	100
68) m/p-Xylenes	11.59	106	784413	103.848	ug/l	98
69) o-Xylene	11.92	106	369277	50.592	ug/l	98
70) Styrene	11.94	104	652955	53.162	ug/l	99
71) Bromoform	12.10	173	164069	50.020	ug/l #	97
73) Isopropylbenzene	12.22	105	994452	48.833	ug/l	100
74) N-amyl acetate	12.05	43	436564	44.342	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	306643	49.024	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	426389	68.687	ug/l #	100
77) Bromobenzene	12.50	156	235791	47.425	ug/l	99
78) n-propylbenzene	12.57	91	1166996	50.265	ug/l	100
79) 2-Chlorotoluene	12.65	91	721803	49.018	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	844042	50.241	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.27	75	107486	48.345	ug/l	96
82) 4-Chlorotoluene	12.75	91	768157	49.812	ug/l	100
83) tert-Butylbenzene	12.97	119	655465	49.955	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	858172	50.814	ug/l	99
85) sec-Butylbenzene	13.14	105	883028	53.139	ug/l	100
86) p-Isopropyltoluene	13.26	119	788283	52.739	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	424567	49.400	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	431310	48.562	ug/l	99
89) n-Butylbenzene	13.59	91	678964	52.832	ug/l	100
90) Hexachloroethane	13.85	117	152628	52.934	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	424797	51.384	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	64899	52.113	ug/l	96

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Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration

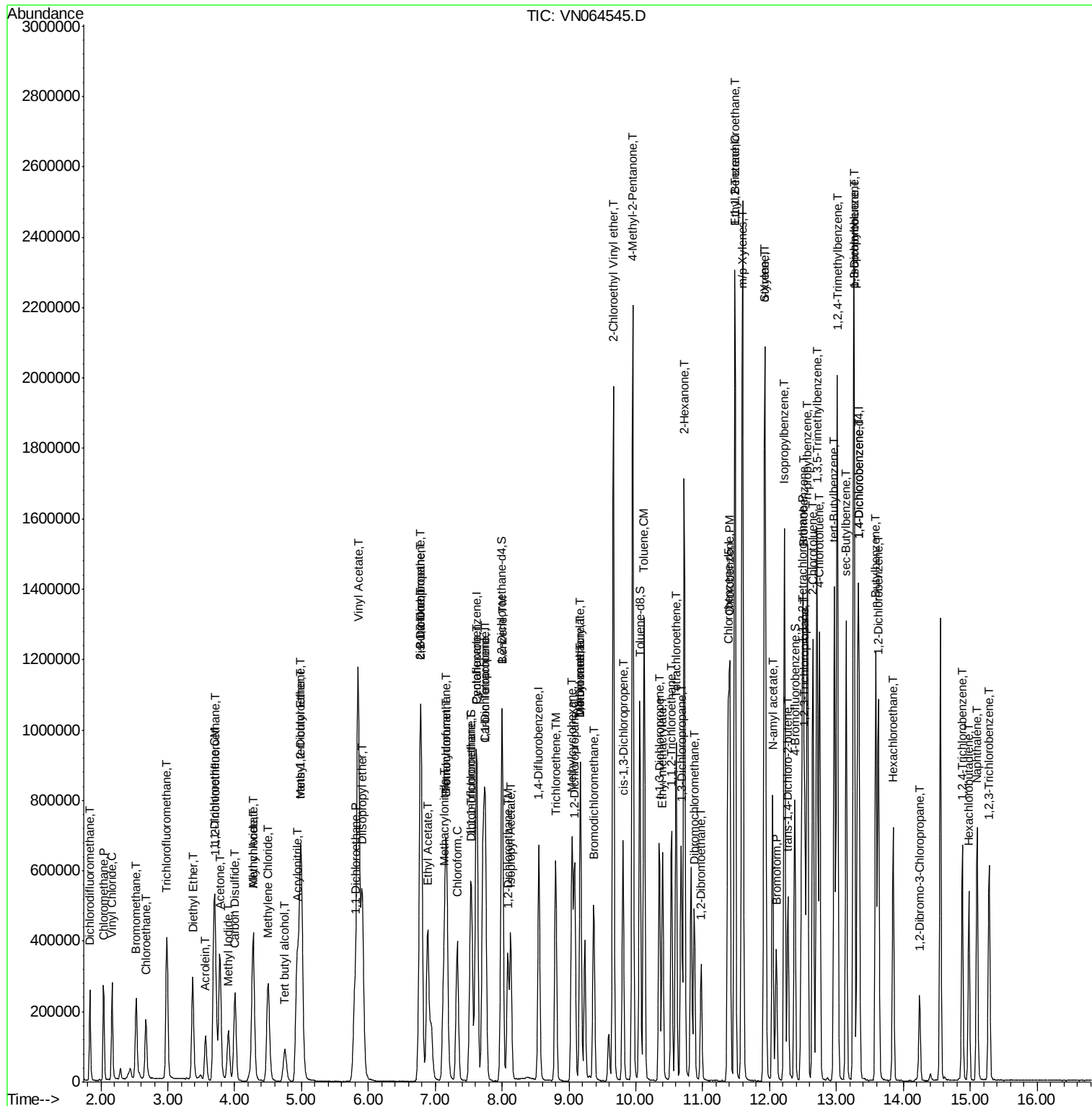
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	191368	46.731	ug/l	99
94) Hexachlorobutadiene	14.98	225	89443	53.140	ug/l	98
95) Naphthalene	15.10	128	595087	42.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	192278	48.434	ug/l	99

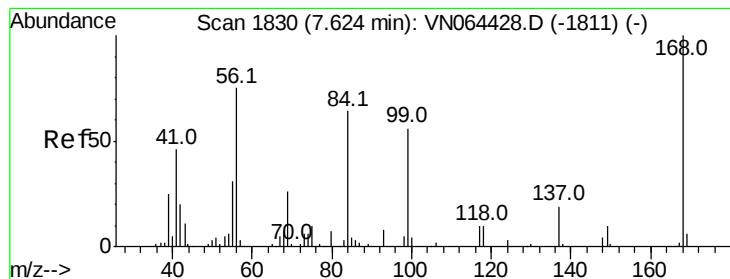
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

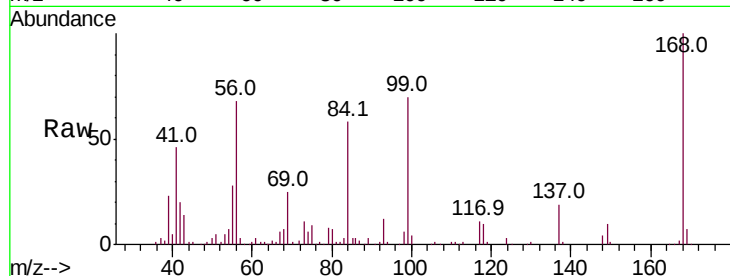
VSTDCCC050

Tot Ion:168 Resp: 324651

Ion Ratio Lower Upper

168 100

99 69.9 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

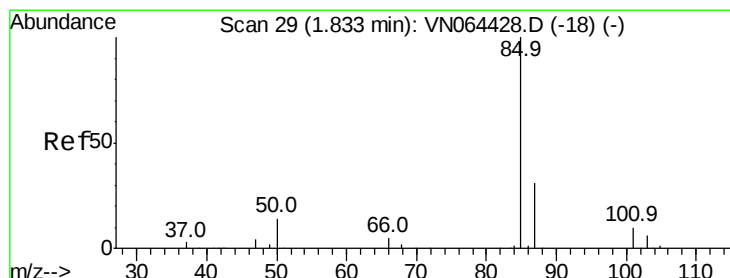
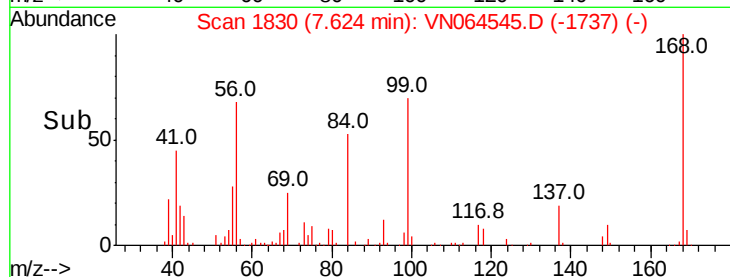
150000

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#2

Dichlorodifluoromethane

Concen: 45.312 ug/l

RT: 1.84 min Scan# 30

Delta R.T. 0.00 min

Lab File: VN064545.D

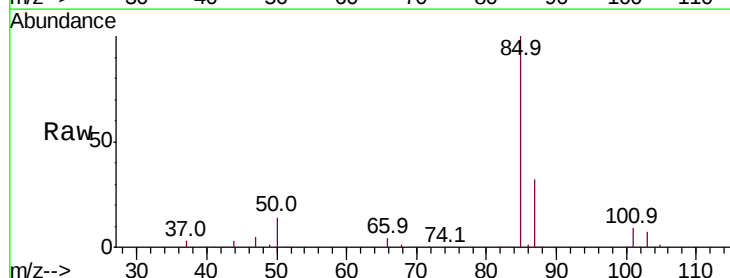
Acq: 11 Nov 2020 10:23

Tgt Ion: 85 Resp: 191493

Ion Ratio Lower Upper

85 100

87 32.2 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

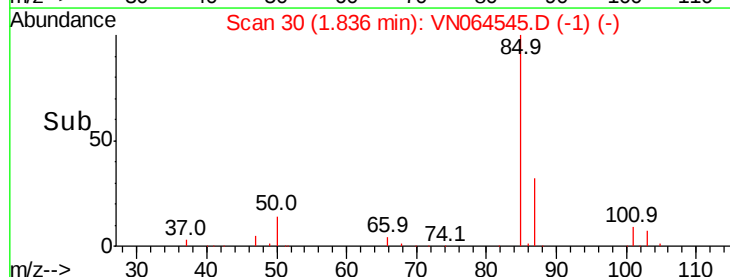
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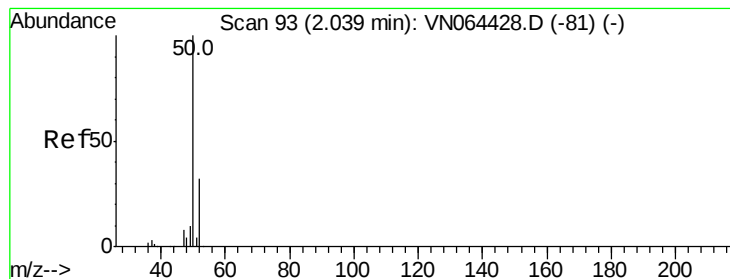
100000

50000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 44.383 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

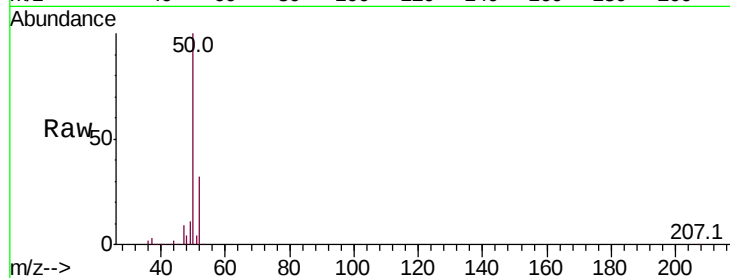
VSTDCCC050

Tot Ion: 50 Resp: 227830

Ion Ratio Lower Upper

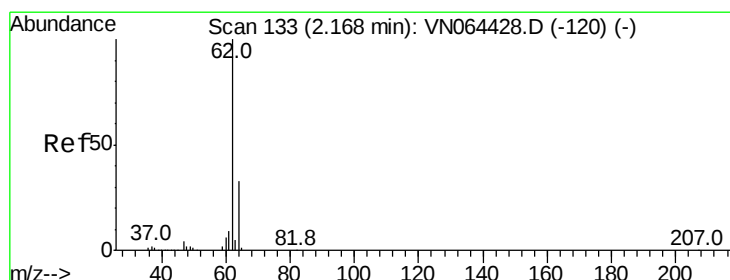
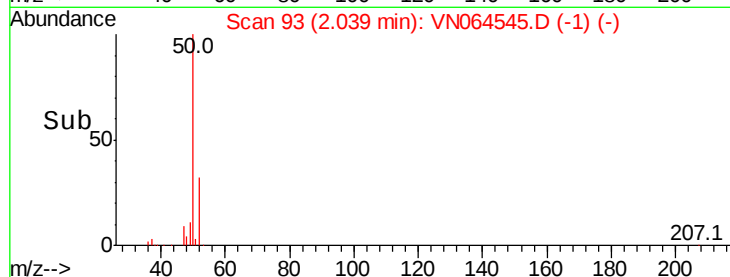
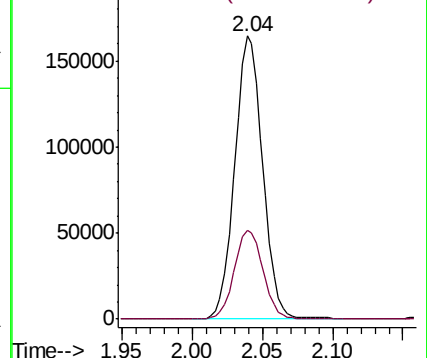
50 100

52 31.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.477 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064545.D

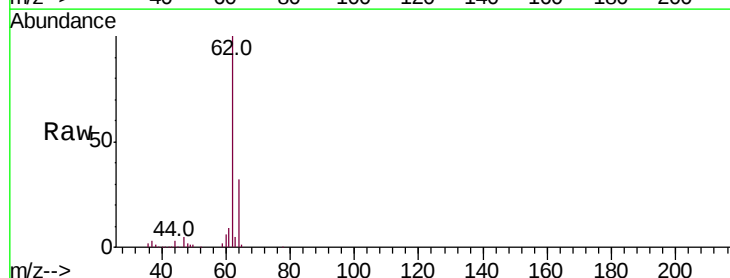
Acq: 11 Nov 2020 10:23

Tgt Ion: 62 Resp: 244998

Ion Ratio Lower Upper

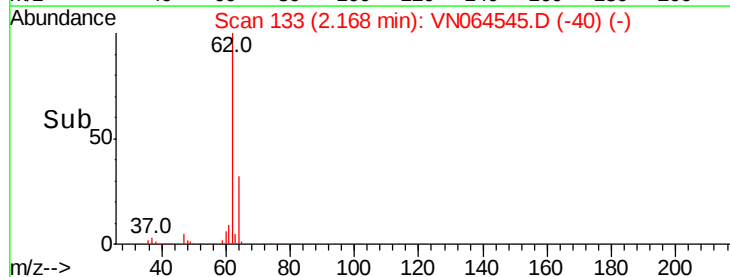
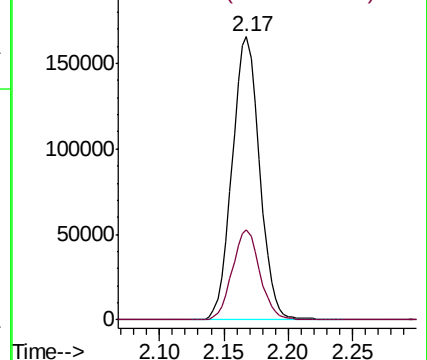
62 100

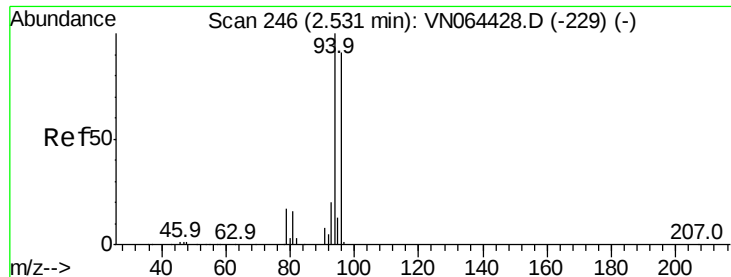
64 31.6 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.270 ug/l

RT: 2.53 min Scan# 245

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

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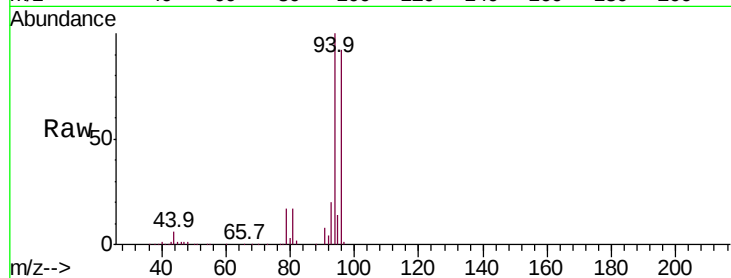
VSTDCCC050

Tot Ion: 94 Resp: 165920

Ion Ratio Lower Upper

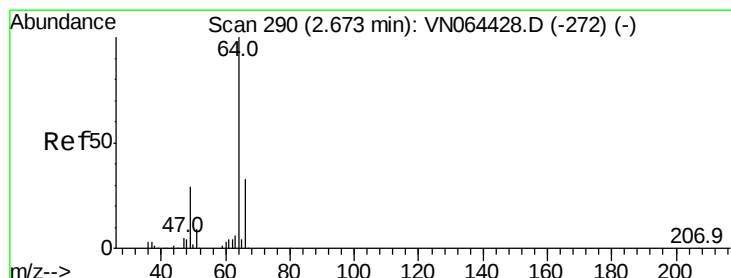
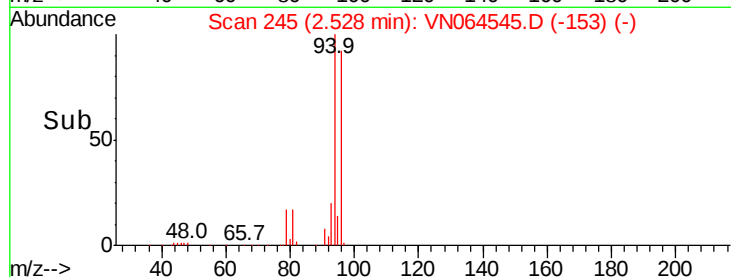
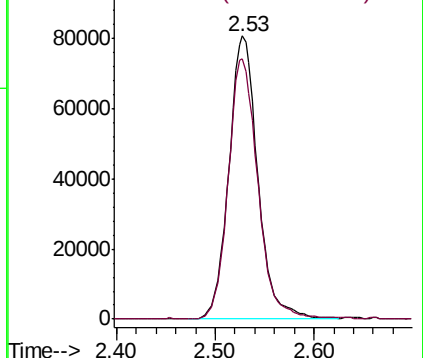
94 100

96 92.1 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 48.879 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064545.D

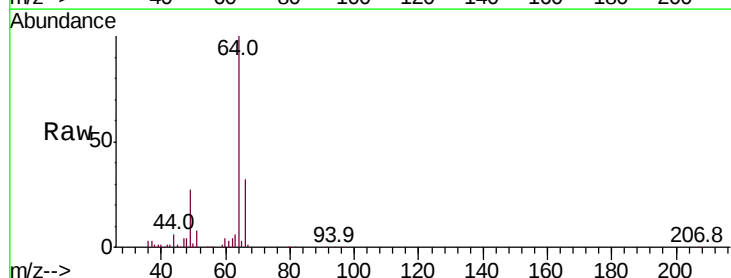
Acq: 11 Nov 2020 10:23

Tgt Ion: 64 Resp: 164962

Ion Ratio Lower Upper

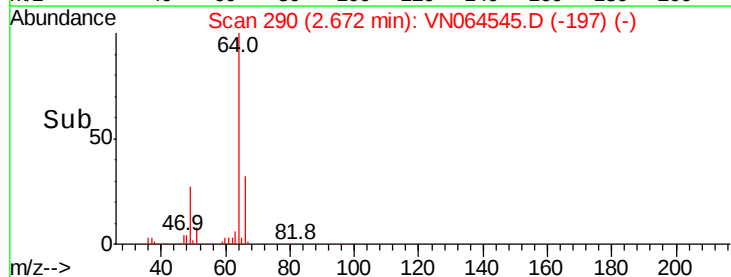
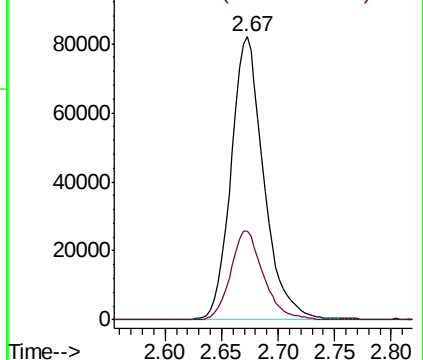
64 100

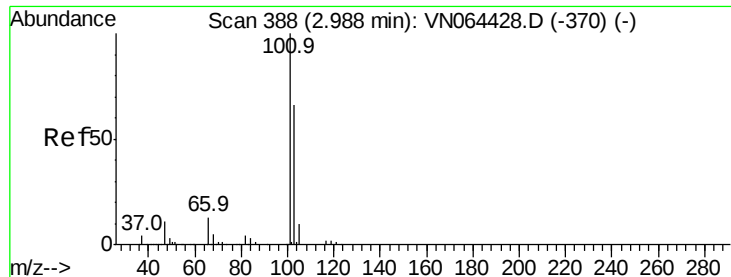
66 31.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

Trichlorofluoromethane

Concen: 49.452 ug/l

RT: 2.99 min Scan# 388

Delta R.T. -0.00 min

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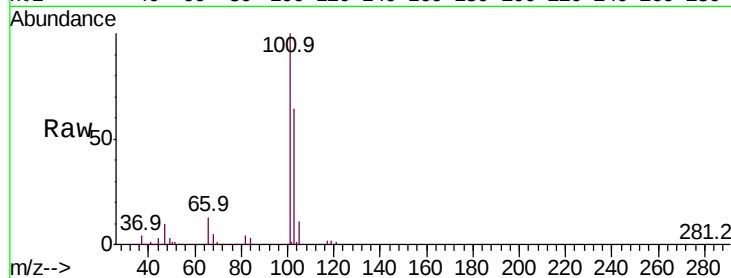
VSTDCCC050

Tot Ion:101 Resp: 383846

Ion Ratio Lower Upper

101 100

103 64.0 52.4 78.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

200000

150000

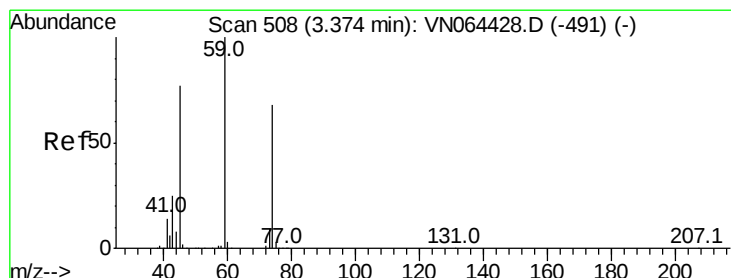
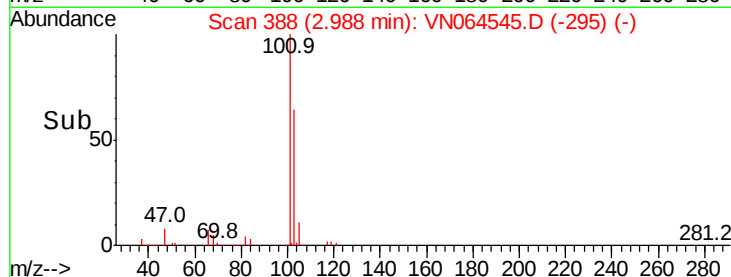
100000

50000

0

2.90 2.95 3.00 3.05

Time-->



#8

Diethyl Ether

Concen: 48.799 ug/l

RT: 3.37 min Scan# 508

Delta R.T. -0.00 min

Lab File: VN064545.D

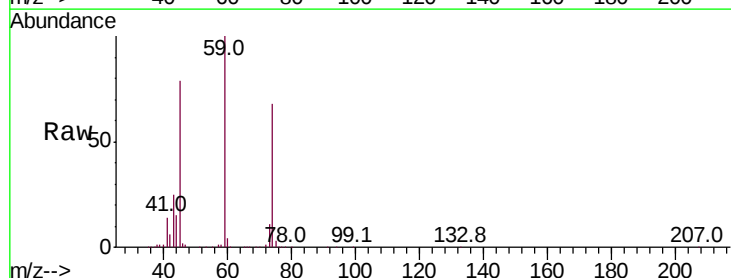
Acq: 11 Nov 2020 10:23

Tgt Ion: 74 Resp: 133762

Ion Ratio Lower Upper

74 100

45 114.3 55.9 167.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

80000

60000

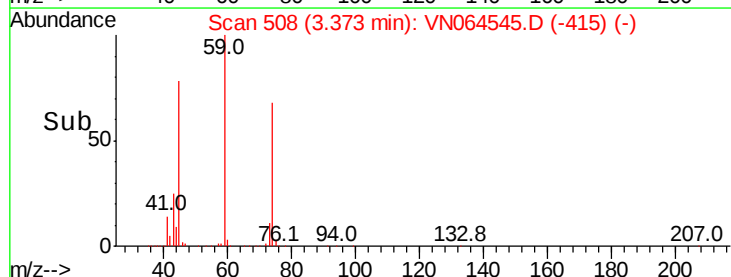
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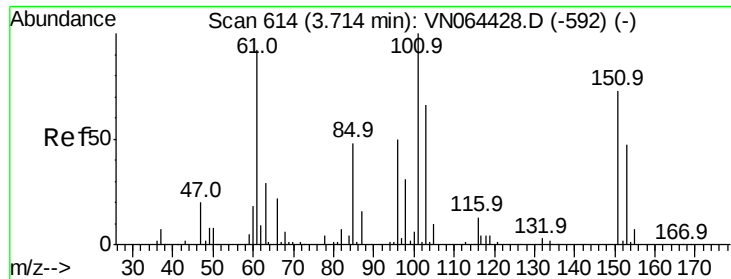
20000

0

3.30 3.35 3.40 3.45

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.919 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

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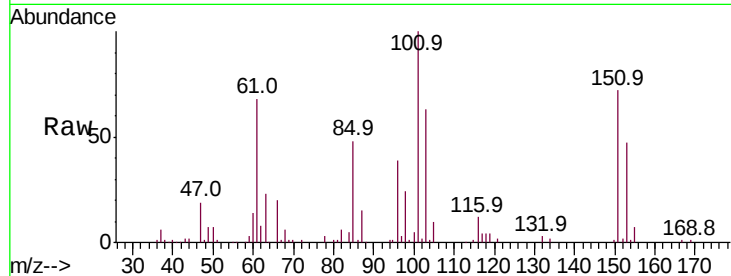
Tot Ion:101 Resp: 180316

Ion Ratio Lower Upper

101 100

85 47.2 38.6 57.8

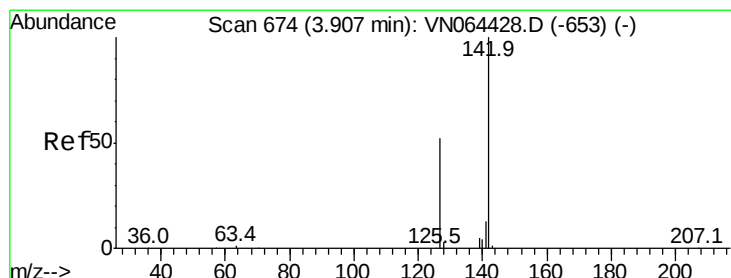
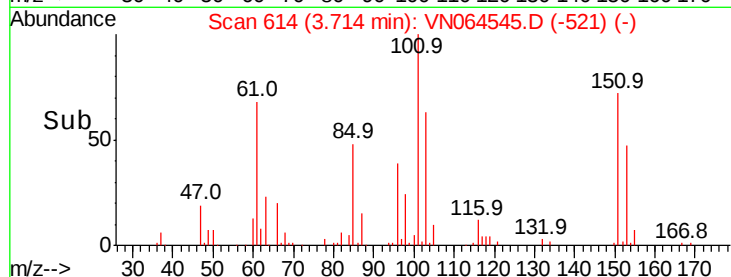
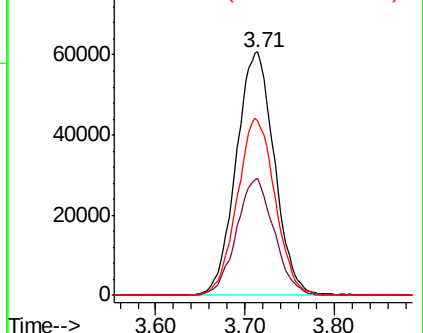
151 72.2 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.094 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

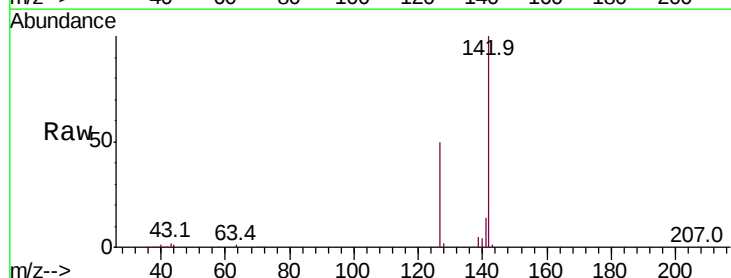
Tgt Ion:142 Resp: 214553

Ion Ratio Lower Upper

142 100

127 53.2 41.8 62.8

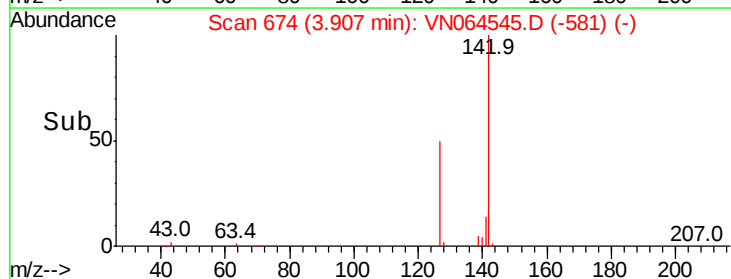
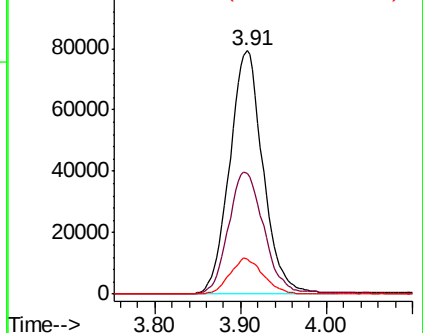
141 14.7 11.4 17.2

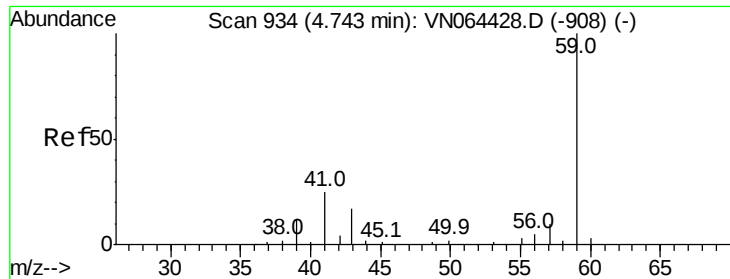


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

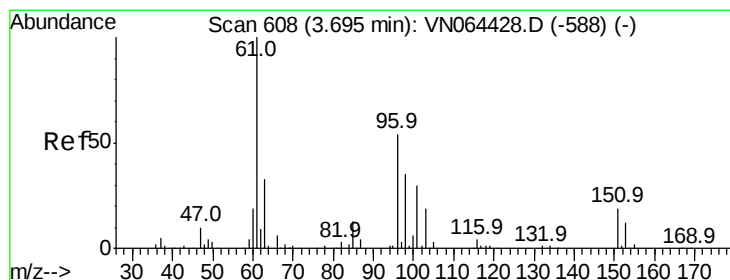
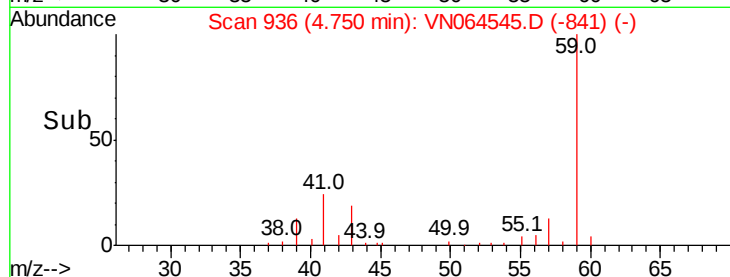
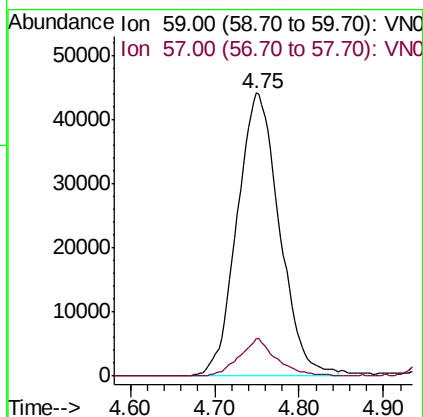
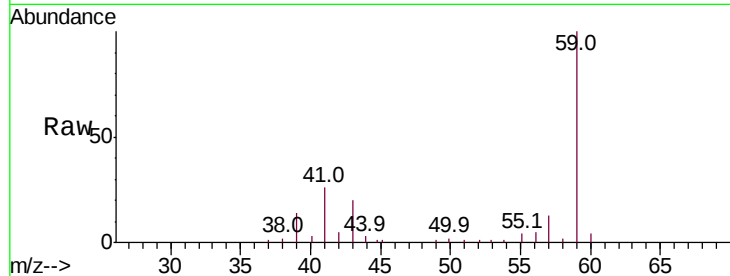




#11
Tert butyl alcohol
Concen: 247.498 ug/l
RT: 4.75 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

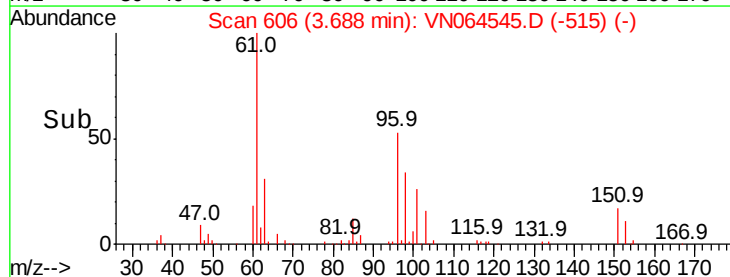
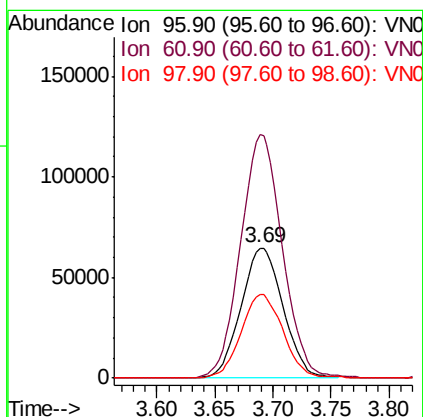
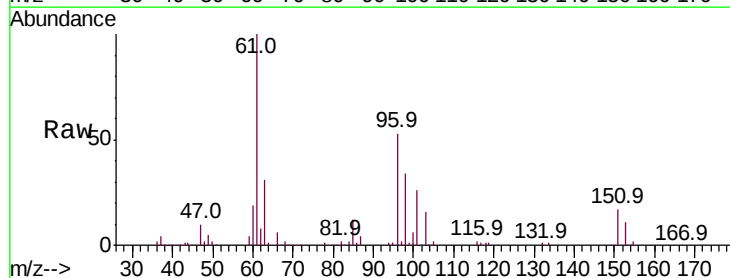
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

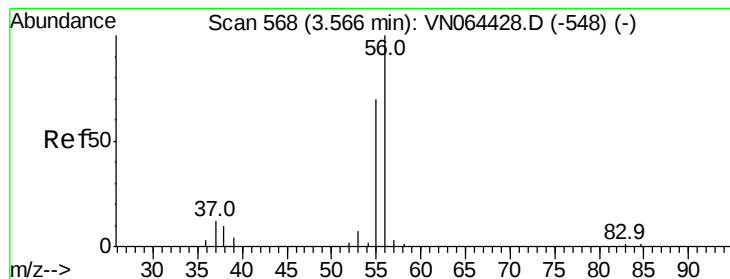
Tot Ion: 59 Resp: 154345
Ion Ratio Lower Upper
59 100
57 11.6 9.0 13.4



#12
1,1-Dichloroethene
Concen: 47.149 ug/l
RT: 3.69 min Scan# 606
Delta R.T. -0.01 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 96 Resp: 163705
Ion Ratio Lower Upper
96 100
61 187.0 149.5 224.3
98 64.4 52.4 78.6





#13

Acrolein

Concen: 357.651 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

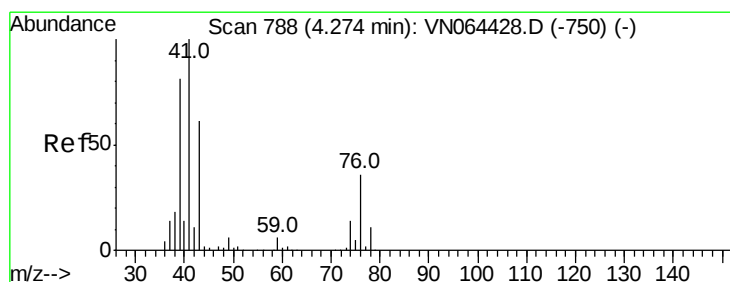
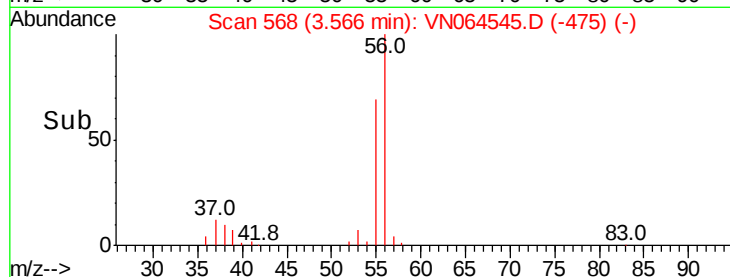
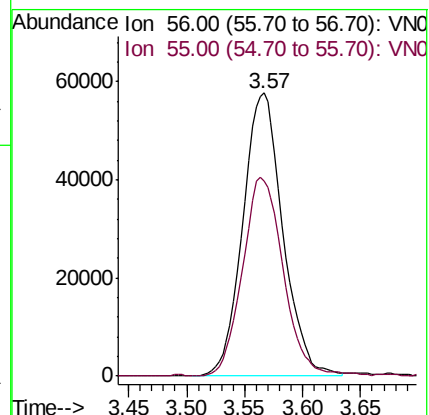
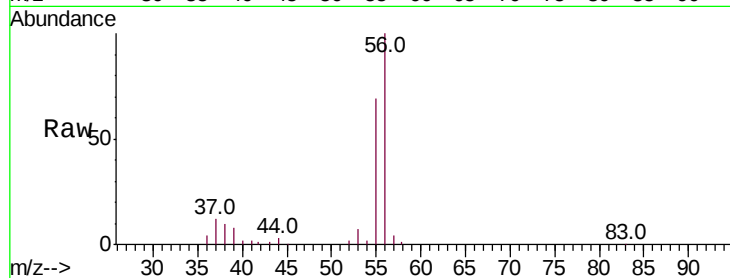
VSTDCCC050

Tot Ion: 56 Resp: 138348

Ion Ratio Lower Upper

56 100

55 71.8 55.9 83.9



#14

Allyl chloride

Concen: 47.411 ug/l

RT: 4.27 min Scan# 788

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

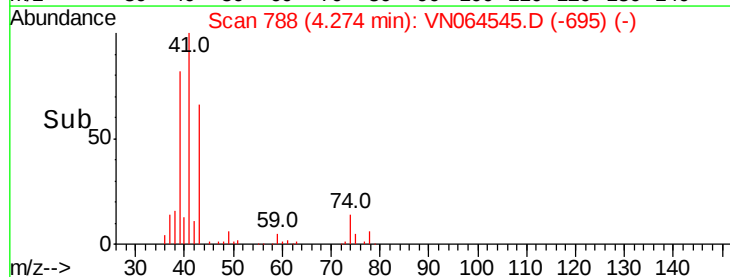
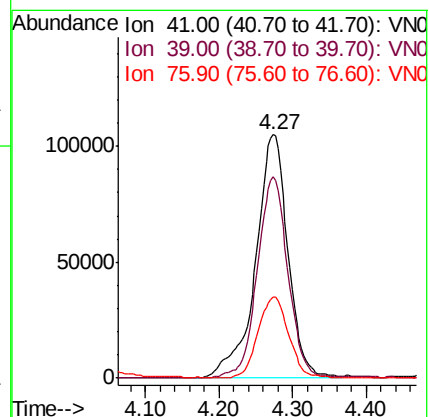
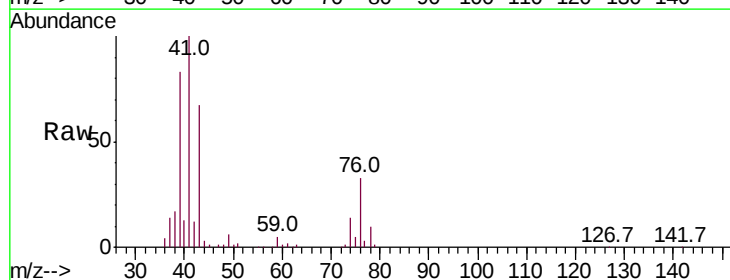
Tgt Ion: 41 Resp: 322020

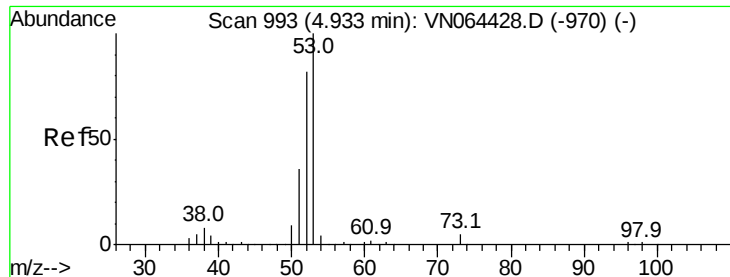
Ion Ratio Lower Upper

41 100

39 78.2 61.8 92.8

76 31.0 25.4 38.0





#15

Acrylonitrile

Concen: 264.372 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

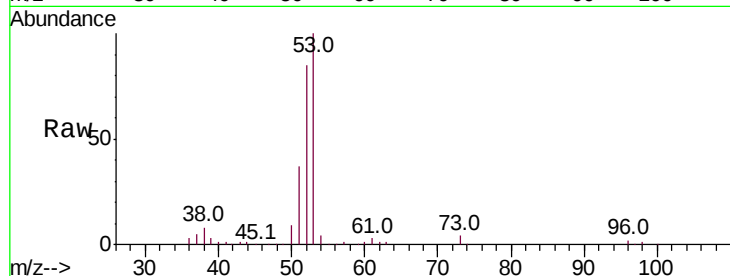
Tot Ion: 53 Resp: 459011

Ion Ratio Lower Upper

53 100

52 83.0 65.6 98.4

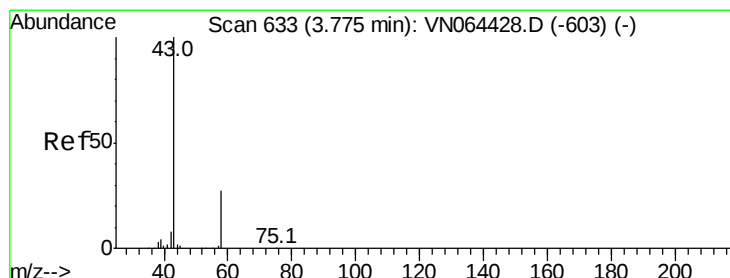
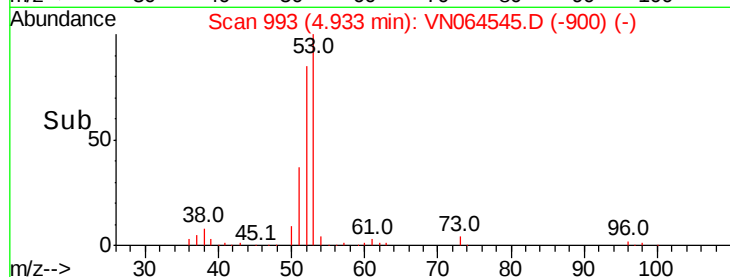
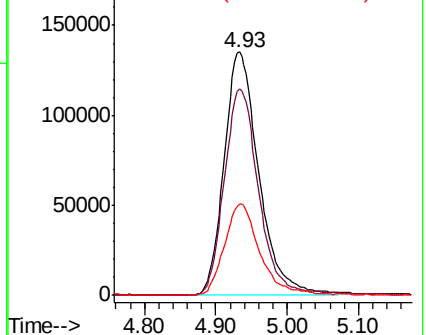
51 38.1 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 282.599 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064545.D

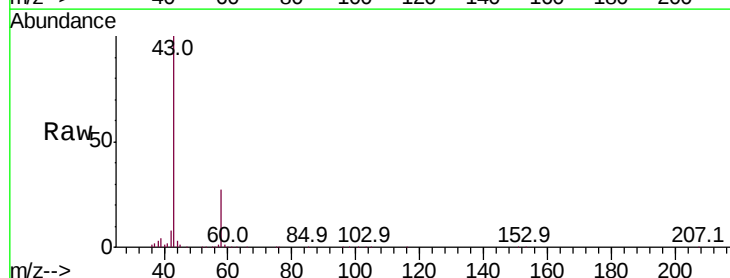
Acq: 11 Nov 2020 10:23

Tgt Ion: 43 Resp: 608736

Ion Ratio Lower Upper

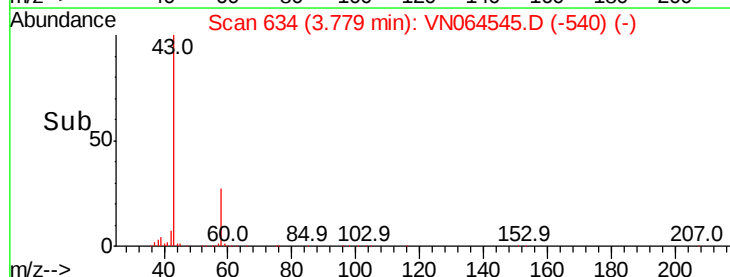
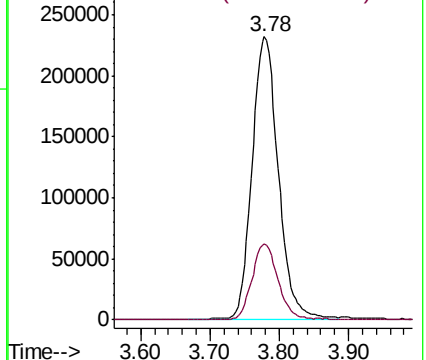
43 100

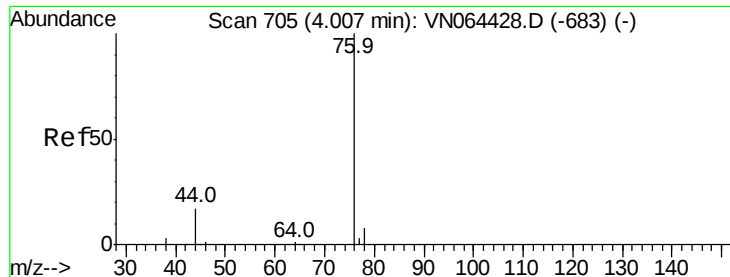
58 27.0 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

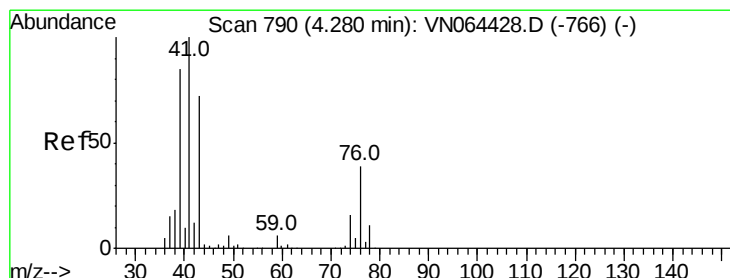
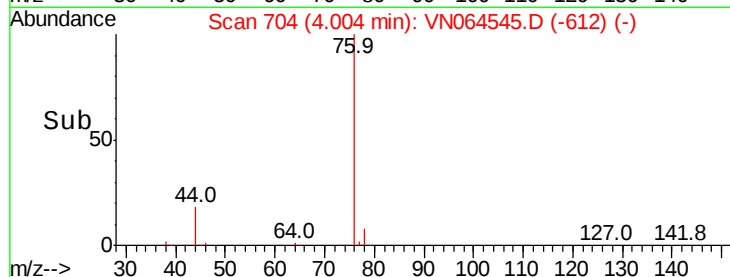
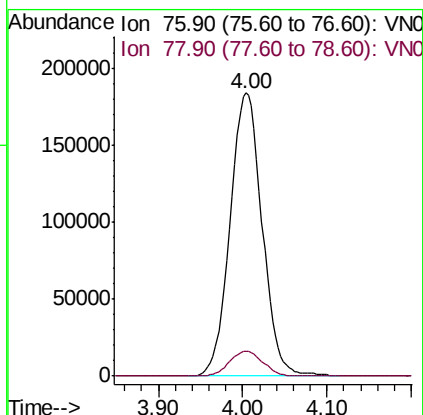
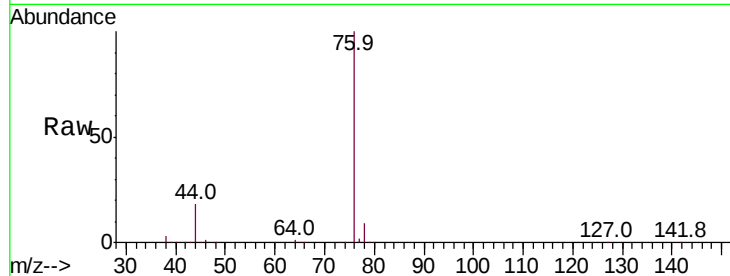




#17
Carbon Disulfide
Concen: 46.929 ug/l
RT: 4.00 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

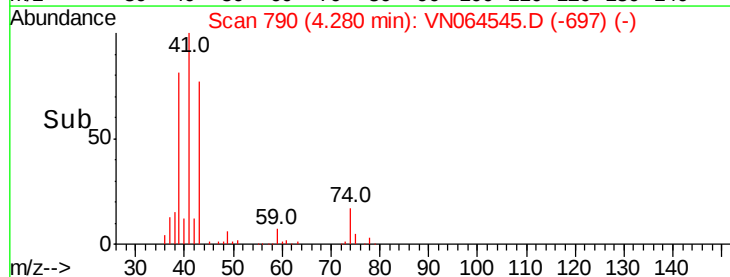
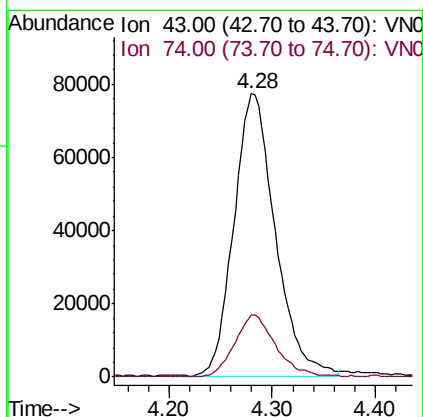
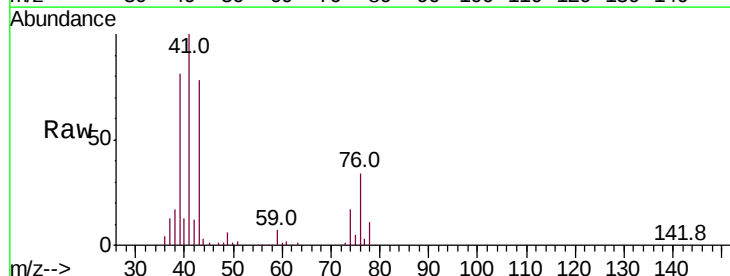
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

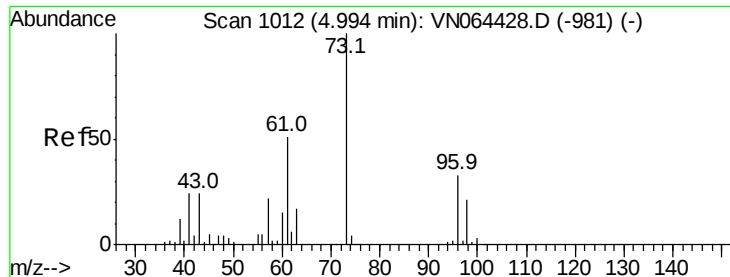
Tot Ion: 76 Resp: 487267
Ion Ratio Lower Upper
76 100
78 8.7 6.8 10.2



#18
Methyl Acetate
Concen: 50.764 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 43 Resp: 214978
Ion Ratio Lower Upper
43 100
74 22.0 17.0 25.4

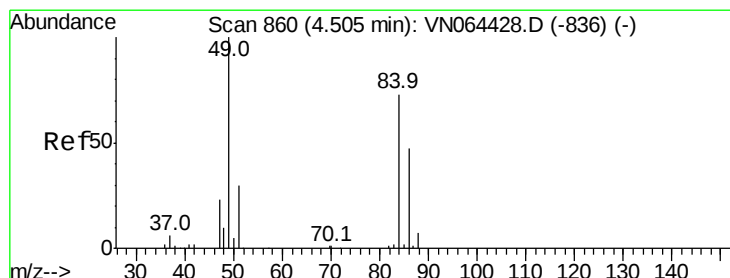
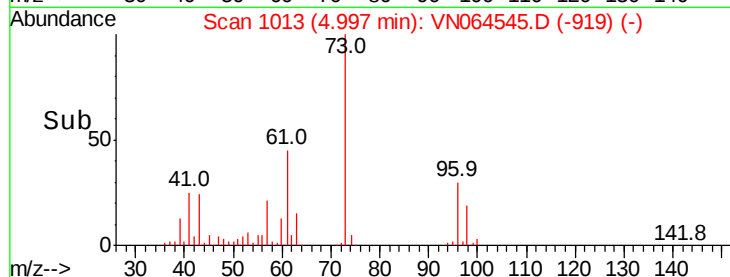
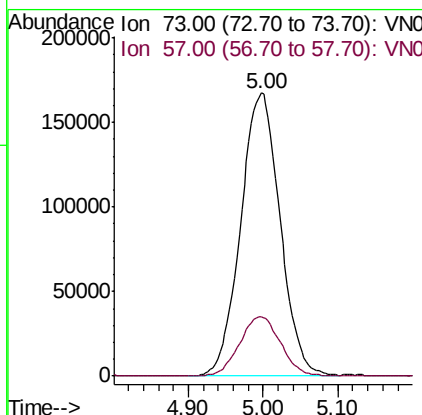
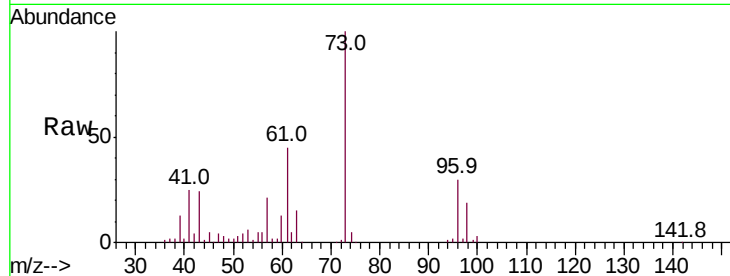




#19
Methyl tert-butyl Ether
Concen: 49.134 ug/l
RT: 5.00 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

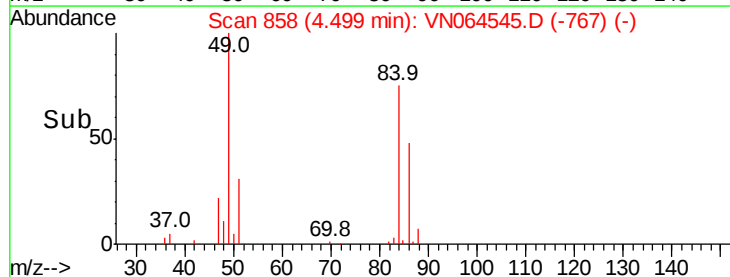
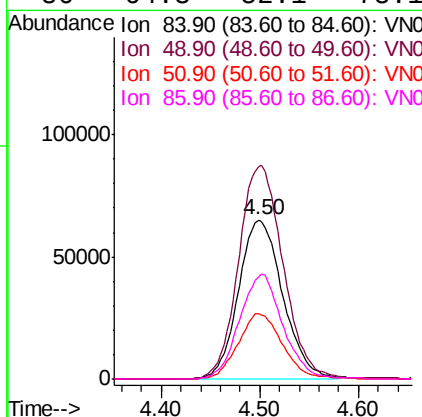
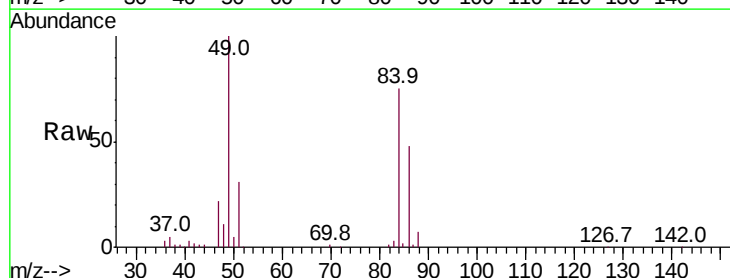
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

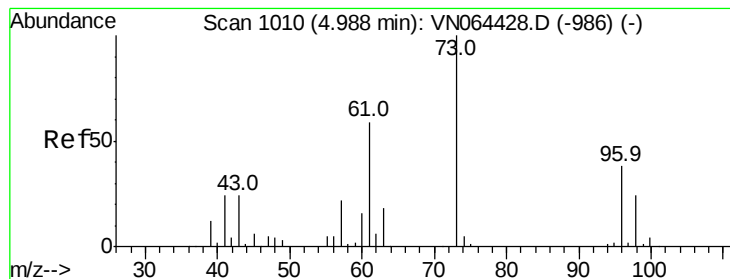
Tot Ion: 73 Resp: 613992
Ion Ratio Lower Upper
73 100
57 20.7 17.7 26.5



#20
Methylene Chloride
Concen: 47.280 ug/l
RT: 4.50 min Scan# 858
Delta R.T. -0.01 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 84 Resp: 202065
Ion Ratio Lower Upper
84 100
49 133.1 110.1 165.1
51 41.3 33.6 50.4
86 64.3 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.671 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

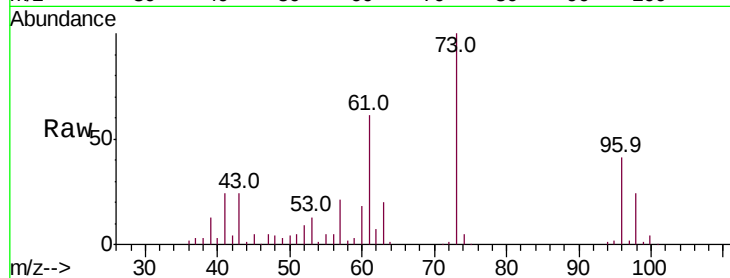
Tot Ion: 96 Resp: 191874

Ion Ratio Lower Upper

96 100

61 150.6 122.4 183.6

98 57.7 50.4 75.6

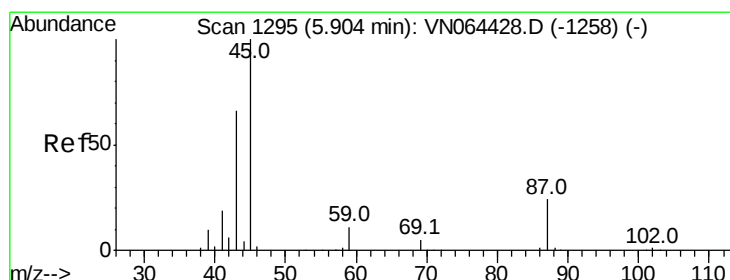
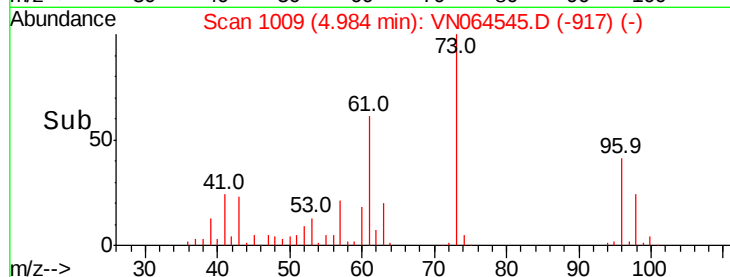
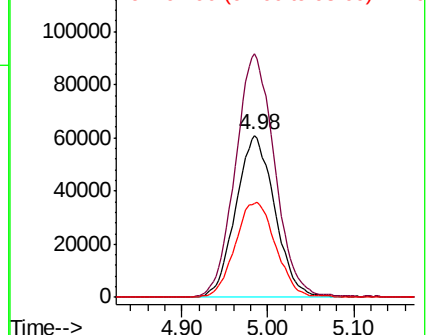


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 48.912 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Tgt Ion: 45 Resp: 705203

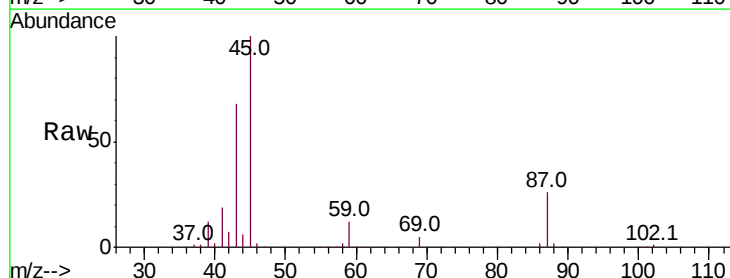
Ion Ratio Lower Upper

45 100

43 66.3 53.2 79.8

87 26.0 19.9 29.9

59 11.7 8.6 13.0



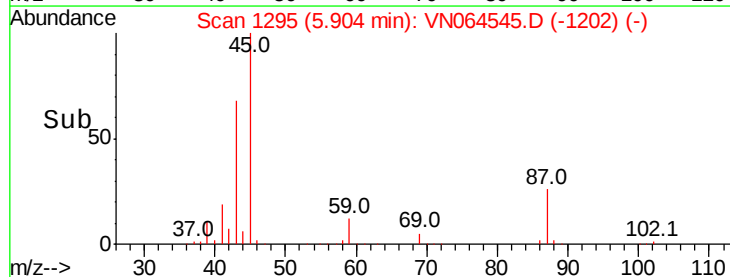
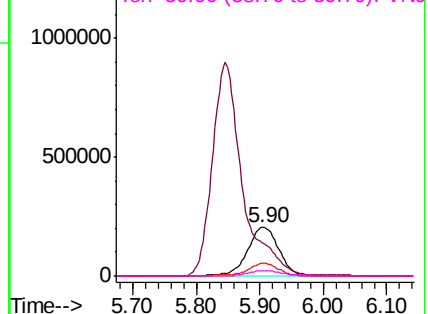
Abundance

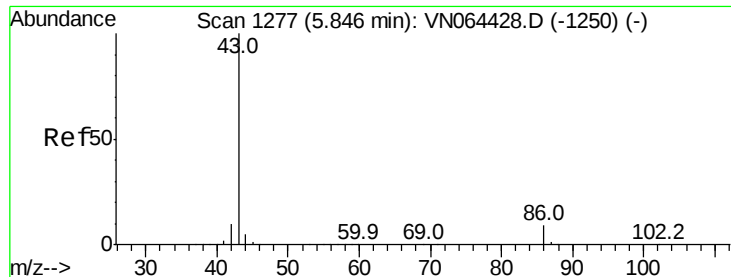
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 252.862 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

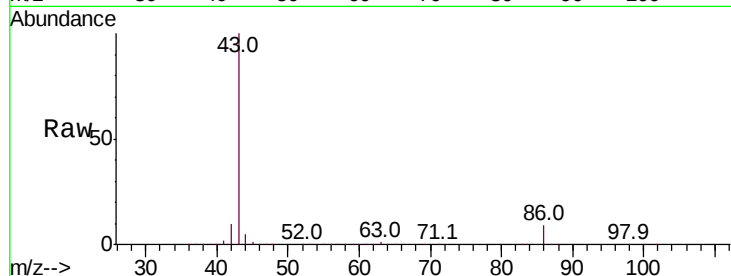
VSTDCCC050

Tot Ion: 43 Resp: 2965786

Ion Ratio Lower Upper

43 100

86 9.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.85

1000000

800000

600000

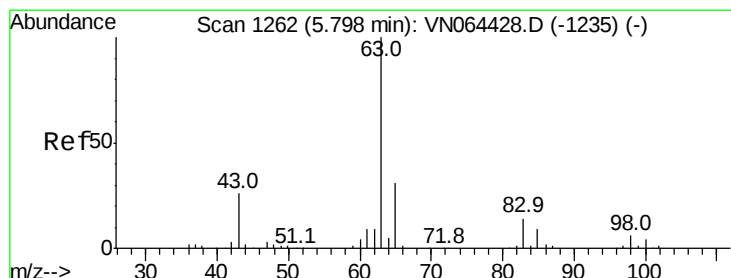
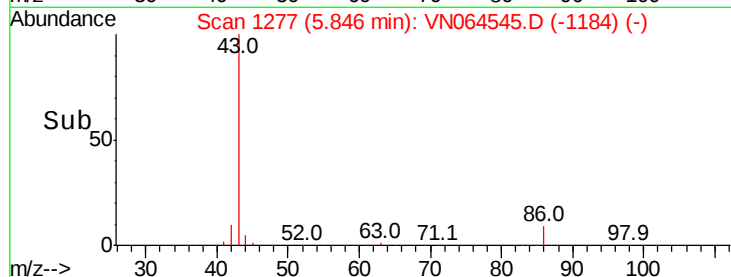
400000

200000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 48.544 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

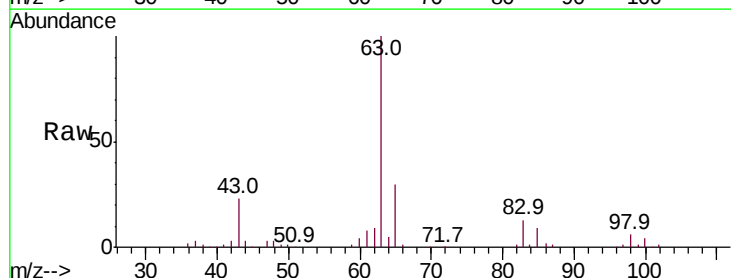
Tgt Ion: 63 Resp: 384599

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

100 3.5 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

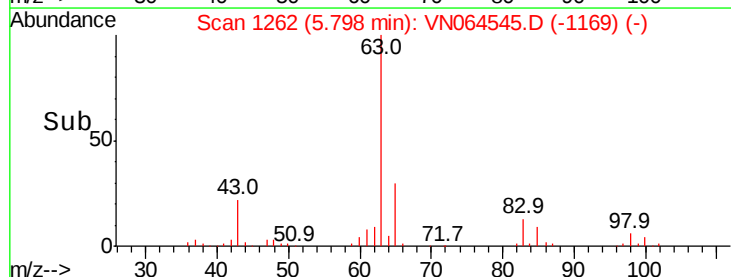
100000

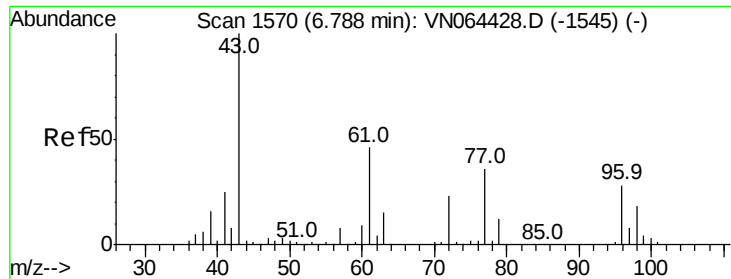
50000

0

Time-->

5.70 5.80 5.90





#25

2-Butanone

Concen: 267.878 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

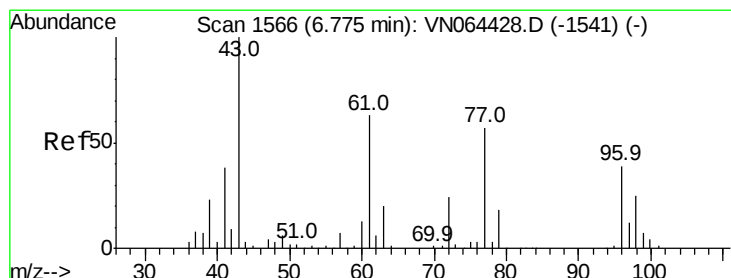
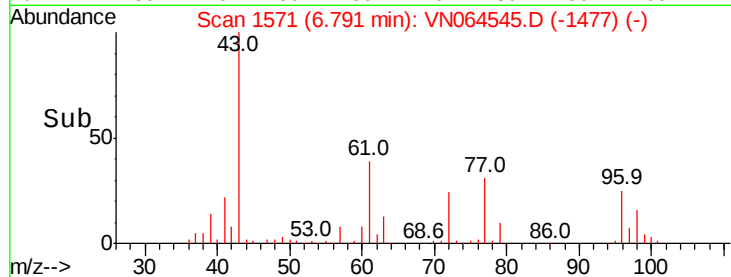
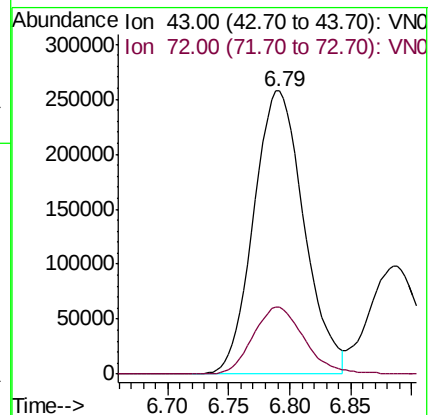
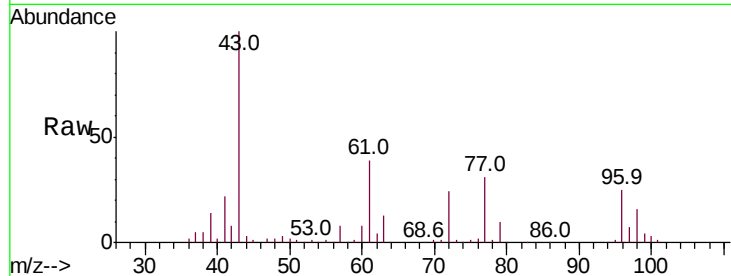
VSTDCCC050

Tot Ion: 43 Resp: 735213

Ion Ratio Lower Upper

43 100

72 23.7 18.5 27.7



#26

2,2-Dichloropropane

Concen: 49.419 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064545.D

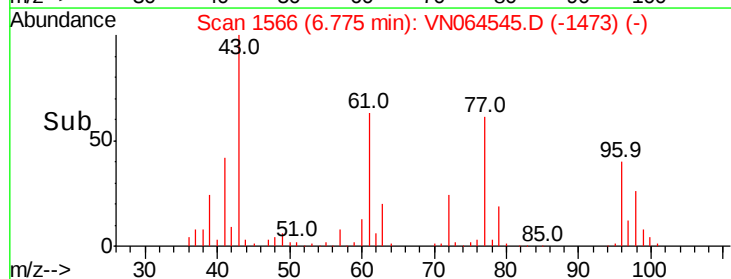
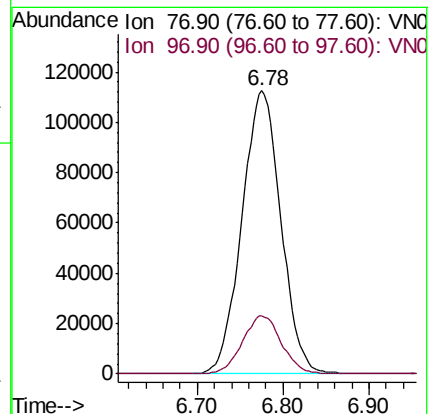
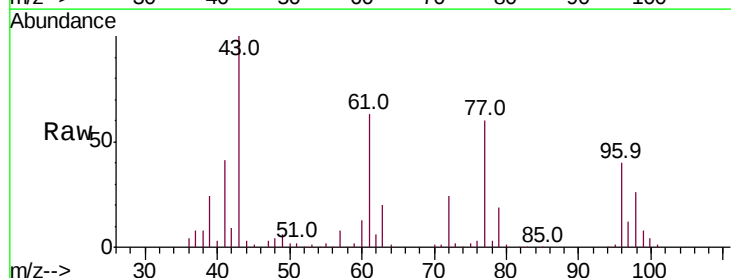
Acq: 11 Nov 2020 10:23

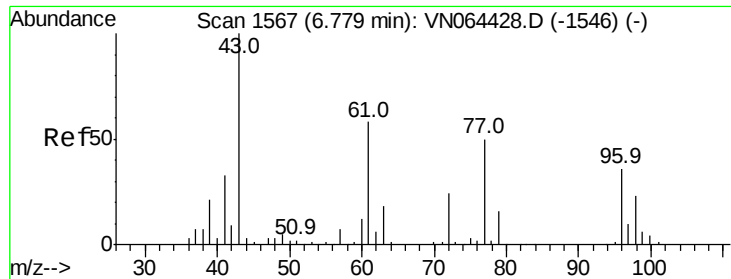
Tgt Ion: 77 Resp: 354432

Ion Ratio Lower Upper

77 100

97 20.5 10.2 30.6





#27

cis-1,2-Dichloroethene

Concen: 48.875 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

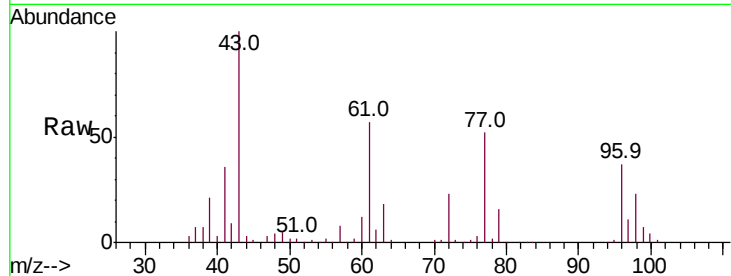
Tot Ion: 96 Resp: 223266

Ion Ratio Lower Upper

96 100

61 159.7 0.0 329.6

98 63.7 0.0 131.2

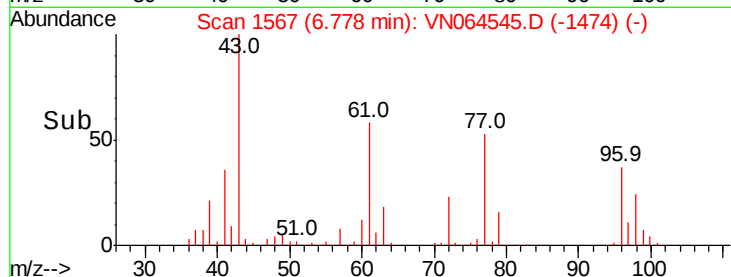


Abundance Ion 95.90 (95.60 to 96.60): VN064428.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064428.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064428.D (-1546) (-)

Time-->

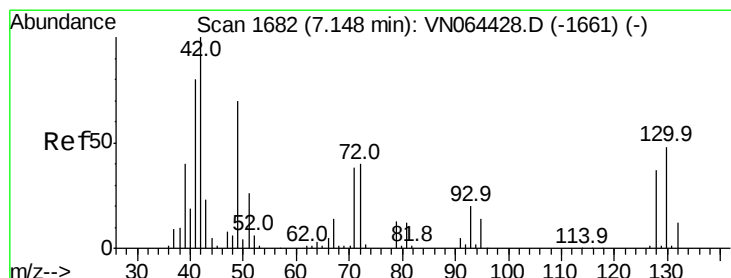


Abundance Ion 95.90 (95.60 to 96.60): VN064545.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064545.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064545.D (-1474) (-)

Time-->



#28

Bromochloromethane

Concen: 47.659 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

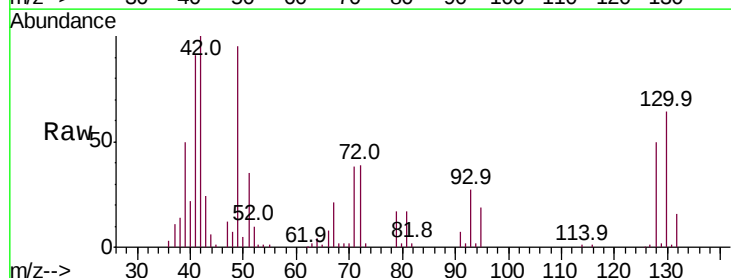
Tgt Ion: 49 Resp: 185595

Ion Ratio Lower Upper

49 100

129 1.4 0.0 3.6

130 67.5 54.2 81.4

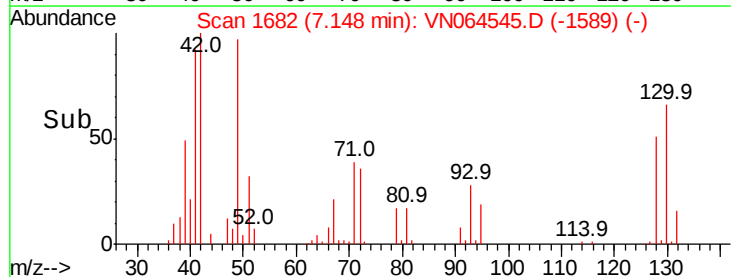


Abundance Ion 48.90 (48.60 to 49.60): VN064428.D (-1661) (-)

Ion 128.80 (128.50 to 129.50): VN064428.D (-1661) (-)

Ion 129.80 (129.50 to 130.50): VN064428.D (-1661) (-)

Time-->

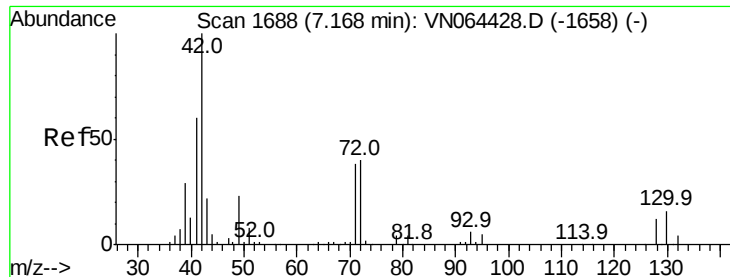


Abundance Ion 48.90 (48.60 to 49.60): VN064545.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064545.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064545.D (-1589) (-)

Time-->



#29

Tetrahydrofuran

Concen: 252.447 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

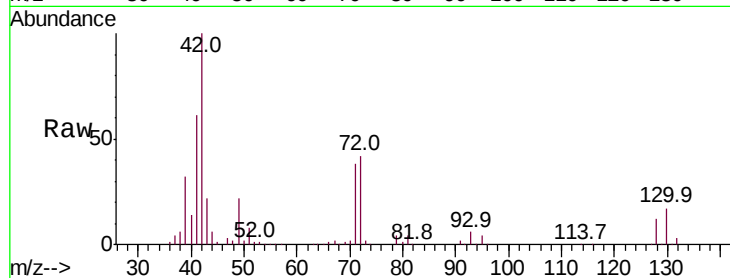
Tot Ion: 42 Resp: 425086

Ion Ratio Lower Upper

42 100

72 40.9 31.7 47.5

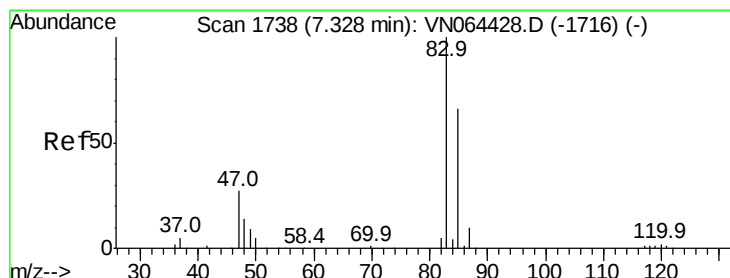
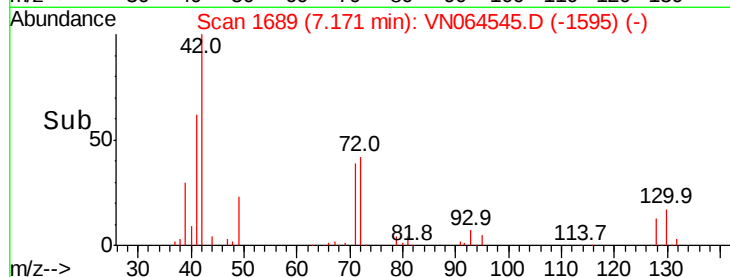
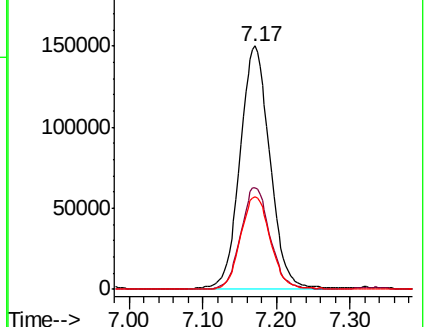
71 38.0 29.8 44.6



Abundance Ion 42.00 (41.70 to 42.70): VN064428.D (-1658) (-)

Ion 72.00 (71.70 to 72.70): VN064428.D (-1658) (-)

Ion 71.00 (70.70 to 71.70): VN064428.D (-1658) (-)



#30

Chloroform

Concen: 49.687 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN064545.D

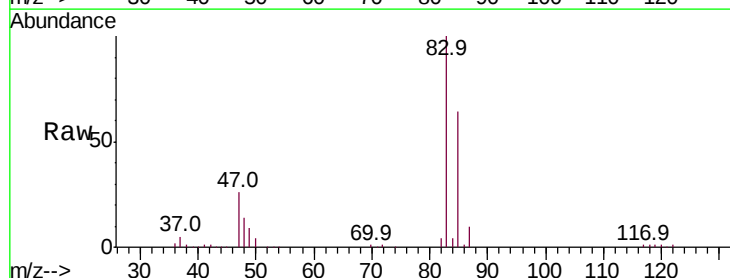
Acq: 11 Nov 2020 10:23

Tgt Ion: 83 Resp: 413789

Ion Ratio Lower Upper

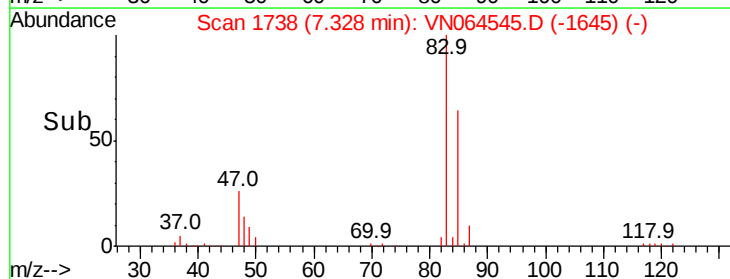
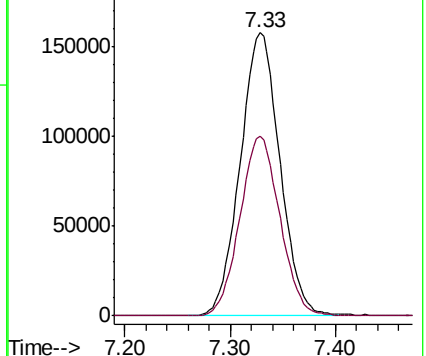
83 100

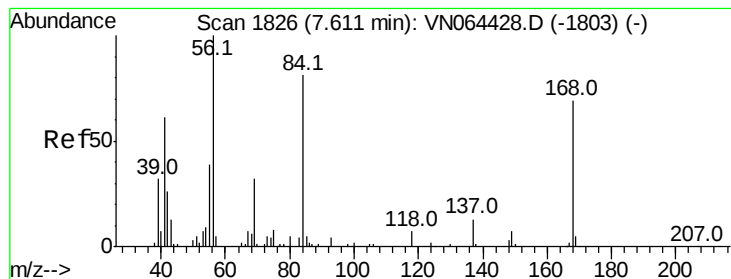
85 63.7 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN064428.D (-1716) (-)

Ion 84.90 (84.60 to 85.60): VN064428.D (-1716) (-)





#31

Cyclohexane

Concen: 44.442 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

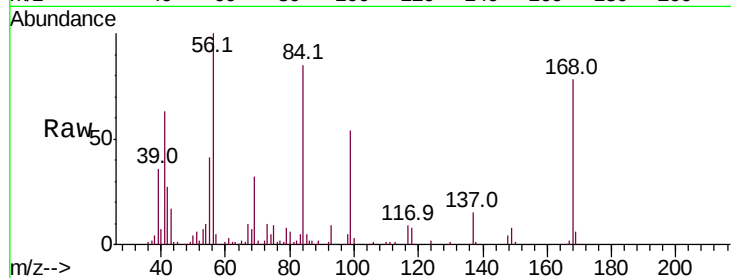
Tot Ion: 56 Resp: 305500

Ion Ratio Lower Upper

56 100

69 32.0 25.6 38.4

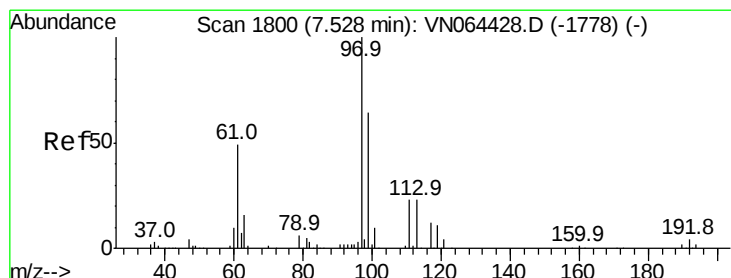
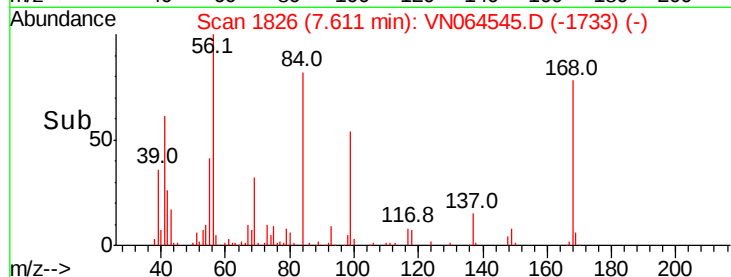
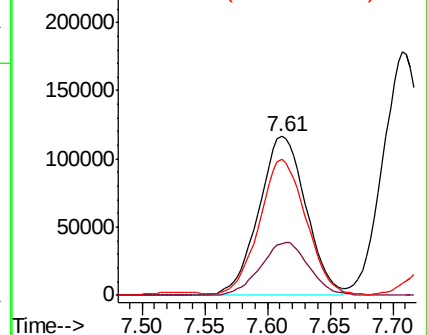
84 83.7 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.675 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

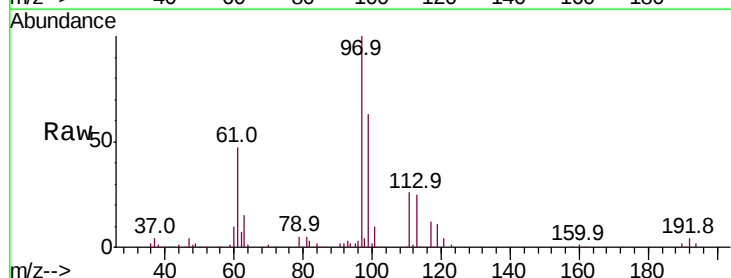
Tgt Ion: 97 Resp: 366915

Ion Ratio Lower Upper

97 100

99 63.6 51.3 76.9

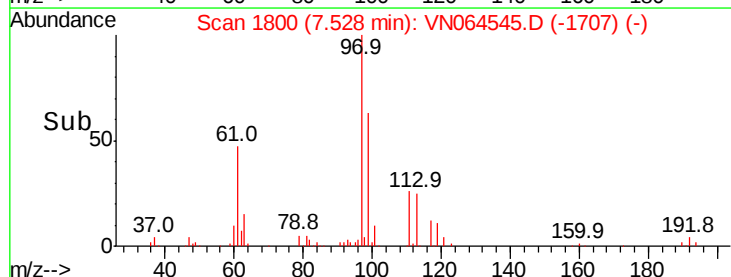
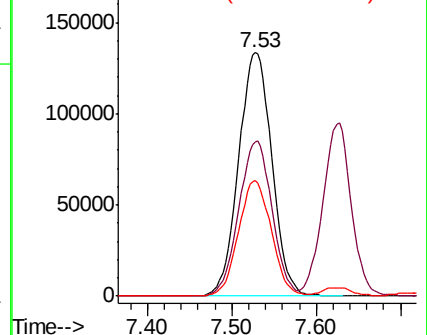
61 47.0 39.1 58.7

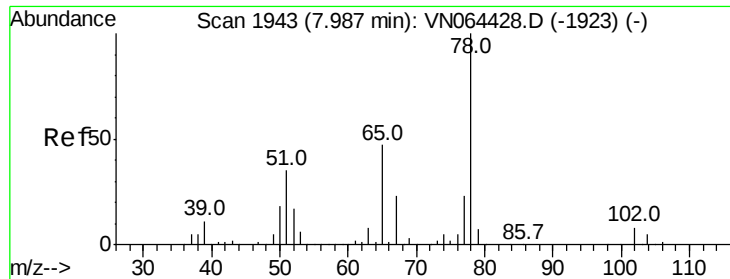


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

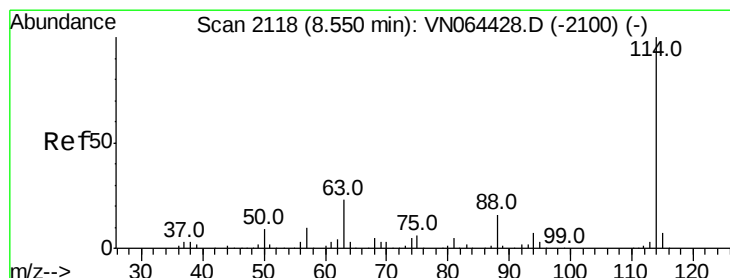
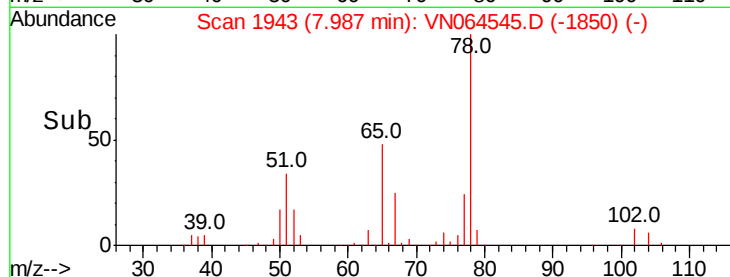
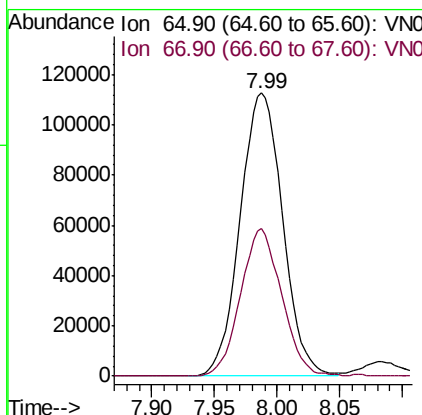
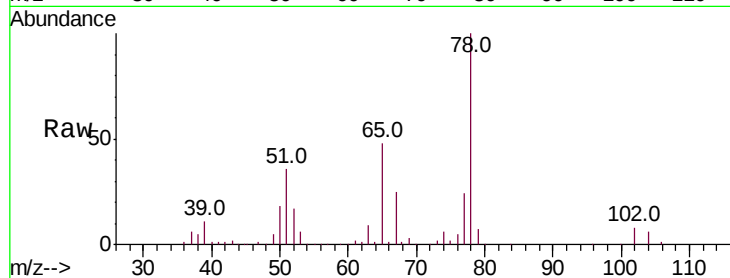




#33
 1,2-Dichloroethane-d4
 Concen: 47.043 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

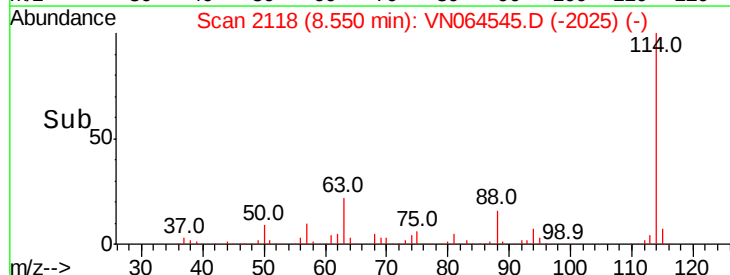
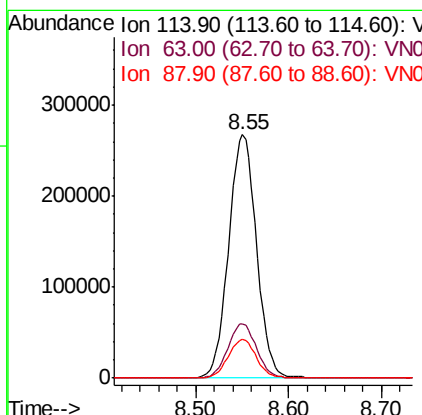
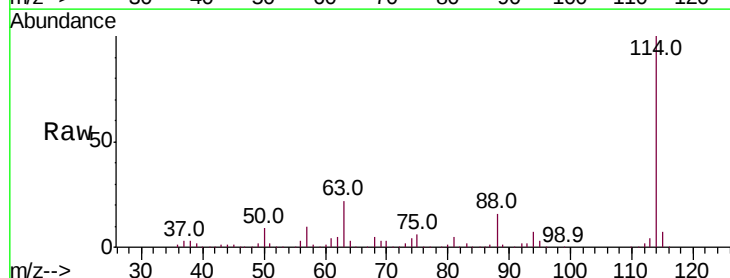
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

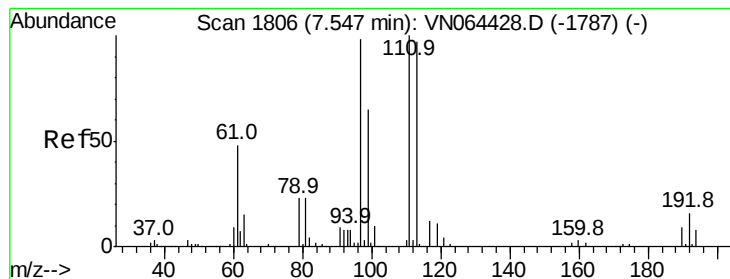
Tot Ion: 65 Resp: 266023
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

Tgt Ion: 114 Resp: 558128
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.6
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.850 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

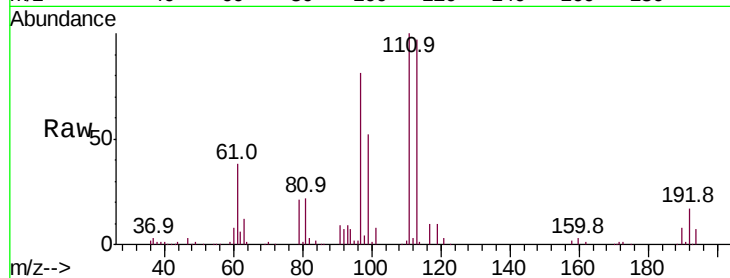
Tot Ion:113 Resp: 189435

Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

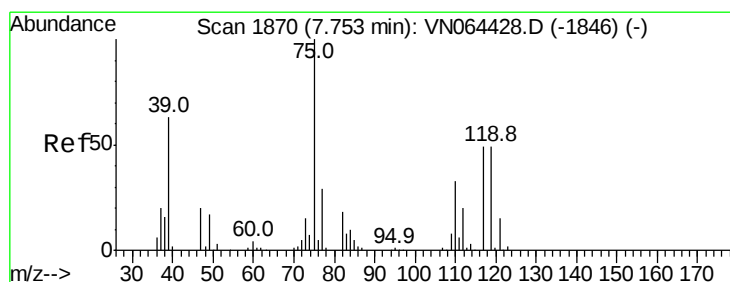
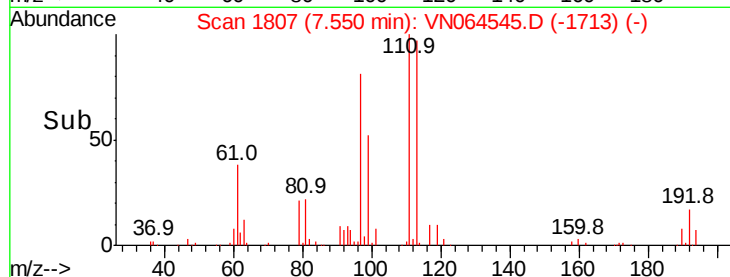
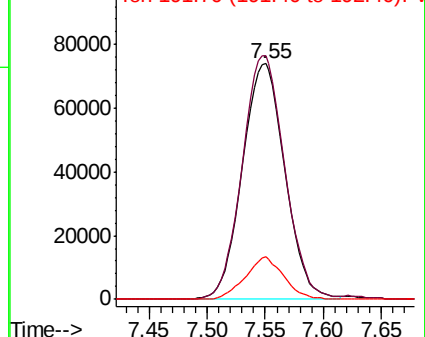
192 16.4 12.8 19.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 51.082 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

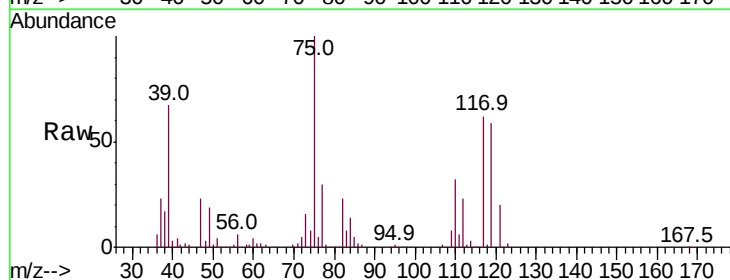
Tgt Ion: 75 Resp: 301193

Ion Ratio Lower Upper

75 100

110 32.4 16.0 48.0

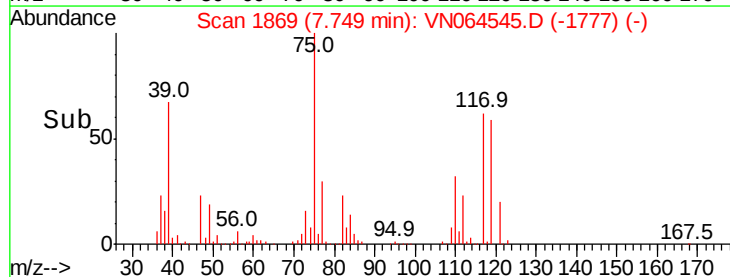
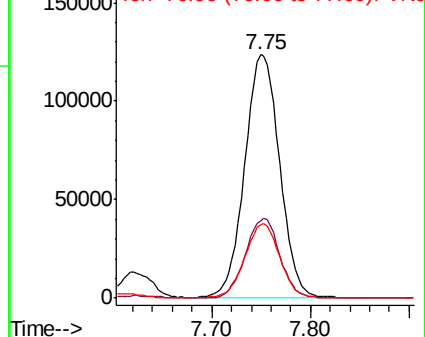
77 30.9 24.0 36.0

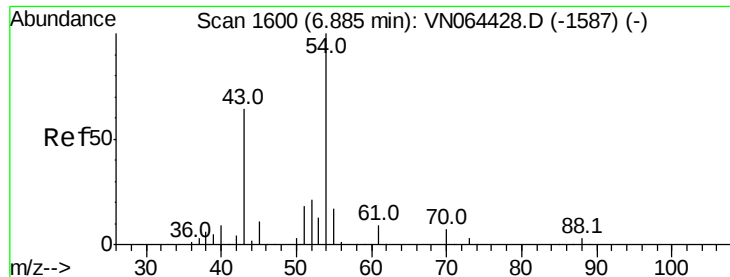


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 48.266 ug/l

RT: 6.88 min Scan# 1600

Delta R.T. 0.00 min

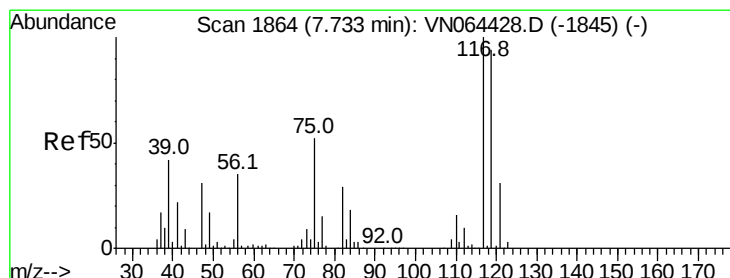
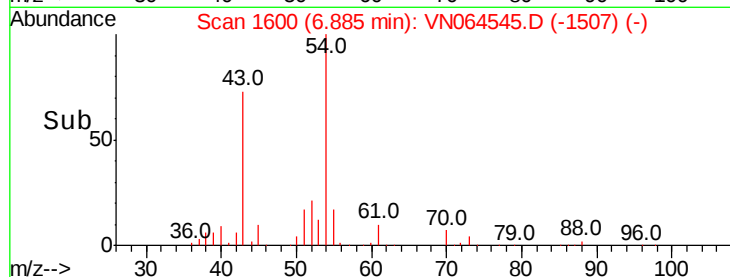
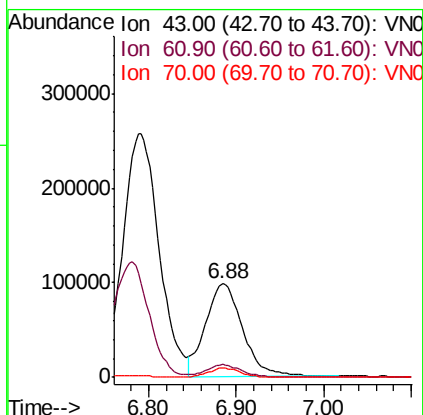
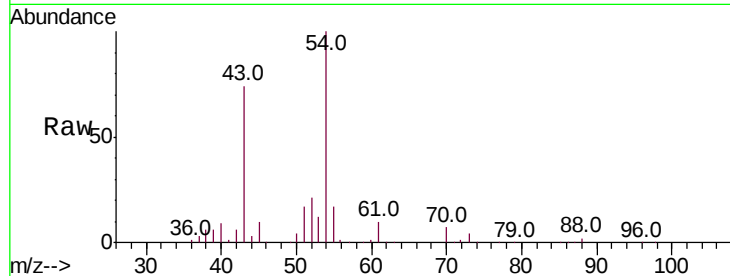
Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 288675

Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.0	15.0
70	9.0	7.1	10.7



#38

Carbon Tetrachloride

Concen: 51.740 ug/l

RT: 7.73 min Scan# 1864

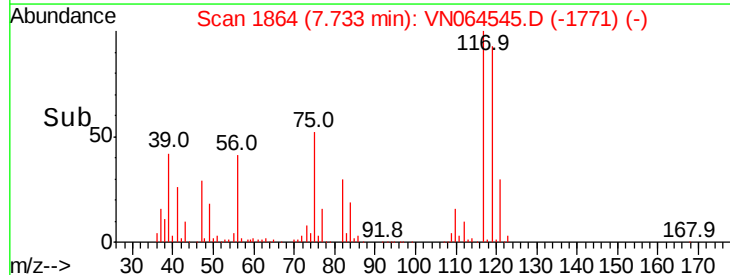
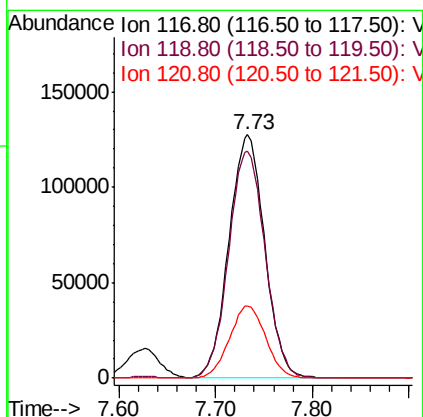
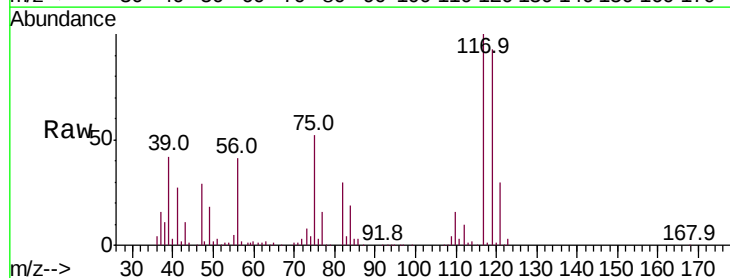
Delta R.T. -0.00 min

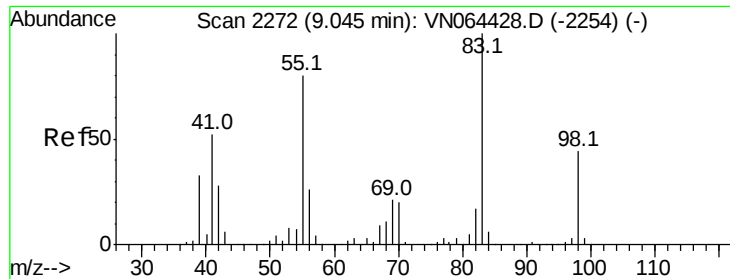
Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Tgt Ion: 117 Resp: 326046

Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.5	113.3
121	29.8	24.4	36.6

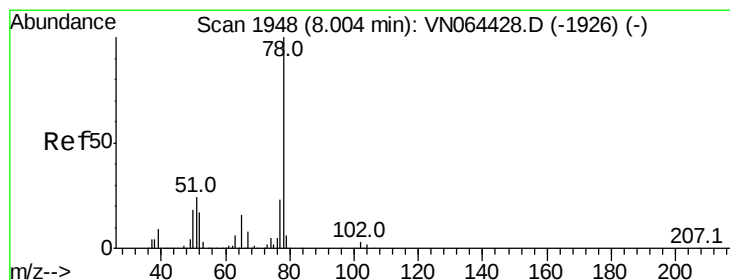
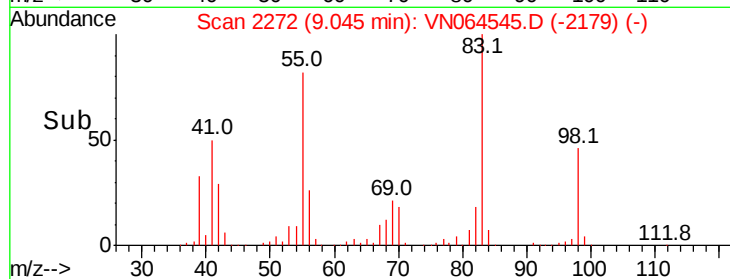
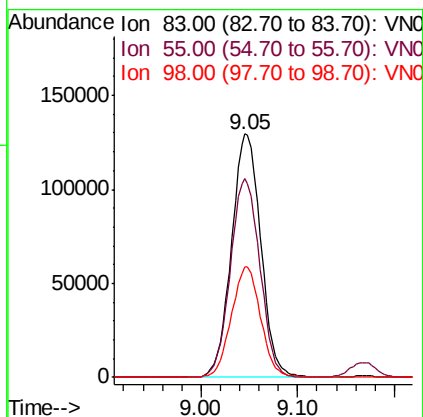
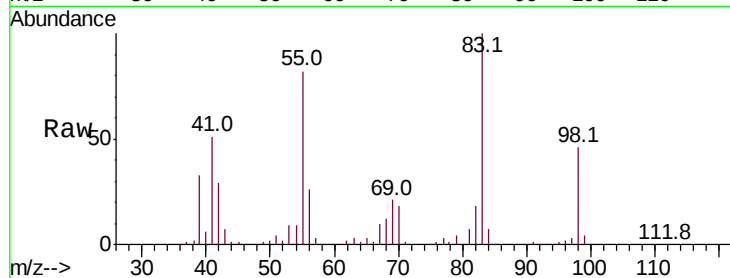




#39
Methvlcvclohexane
Concen: 51.463 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

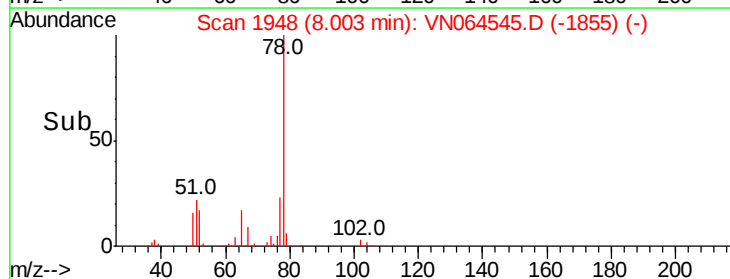
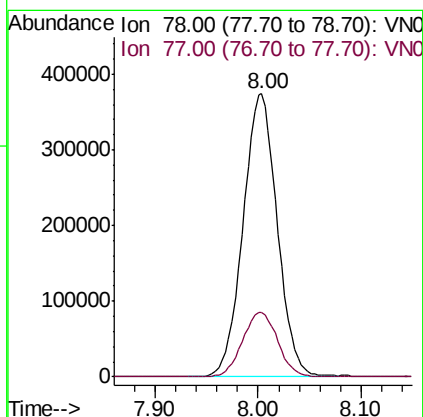
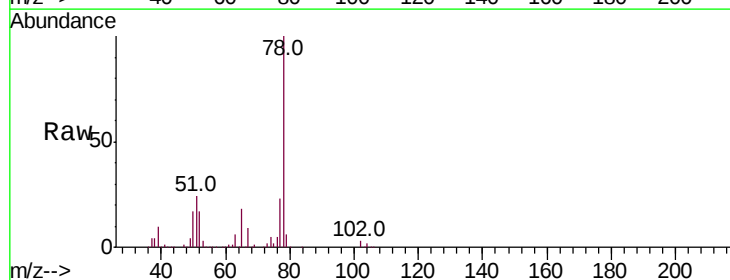
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

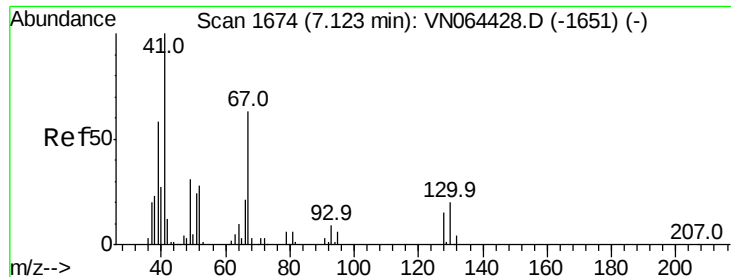
Tot Ion: 83 Resp: 272010
Ion Ratio Lower Upper
83 100
55 81.6 63.8 95.6
98 45.5 35.4 53.2



#40
Benzene
Concen: 49.577 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 78 Resp: 858973
Ion Ratio Lower Upper
78 100
77 22.9 18.7 28.1

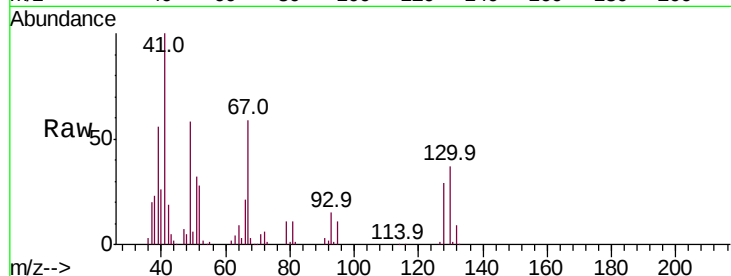




#41
Methacrylonitrile
Concen: 52.879 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	138229
Ion	Ratio	Lower	Upper
41	100		
39	52.1	50.0	75.0
67	75.2	68.3	102.5
52	35.9	32.7	49.1



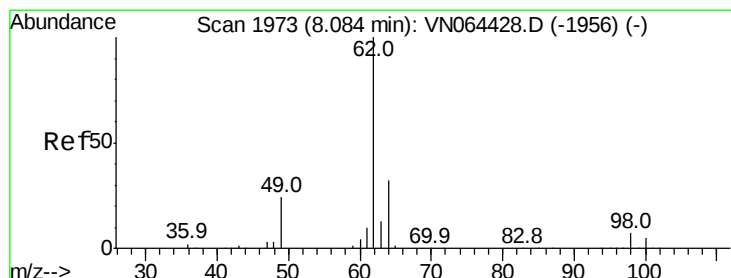
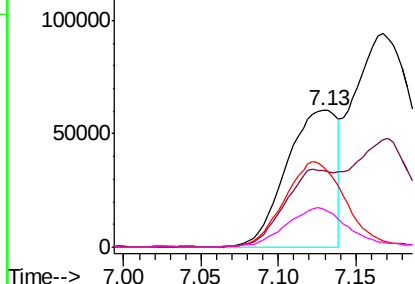
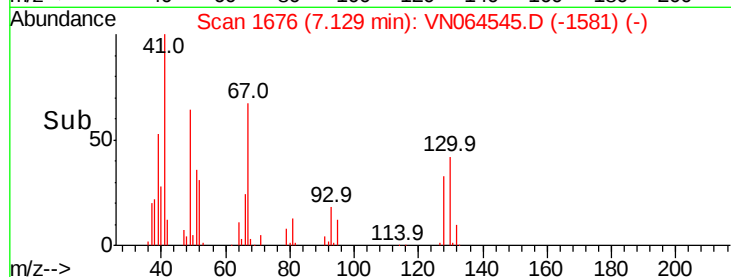
Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

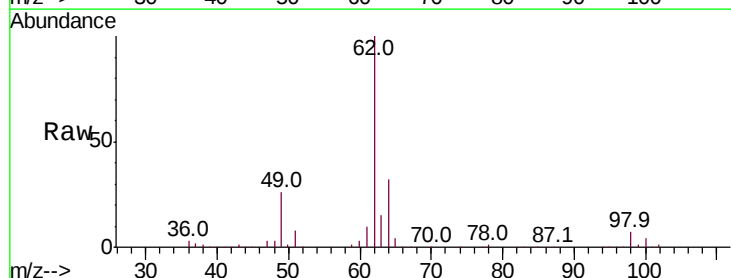
Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#42
1,2-Dichloroethane
Concen: 51.174 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

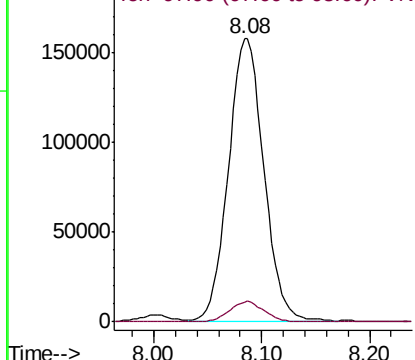
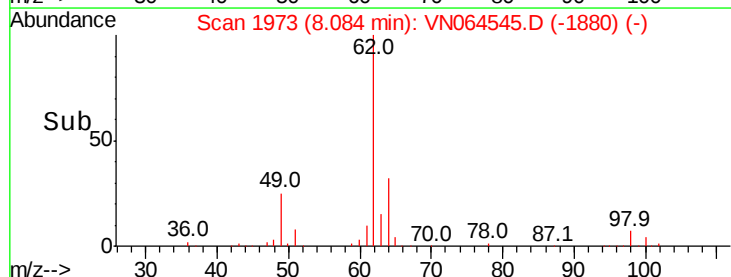
Tgt Ion:	62	Resp:	357815
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	14.0

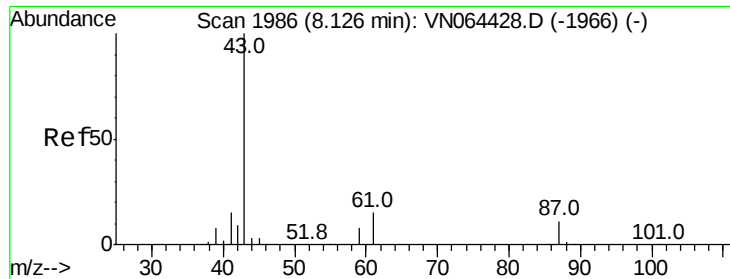


Abundance

Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 51.036 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

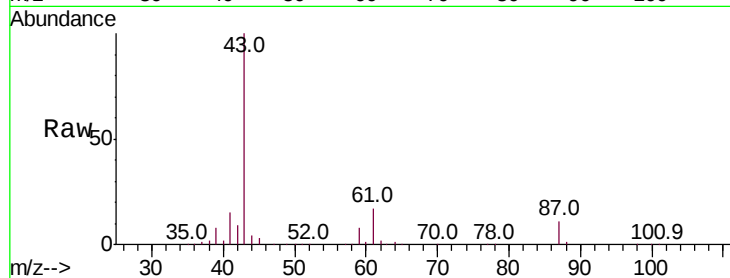
Tot Ion: 43 Resp: 487671

Ion Ratio Lower Upper

43 100

61 17.4 14.0 21.0

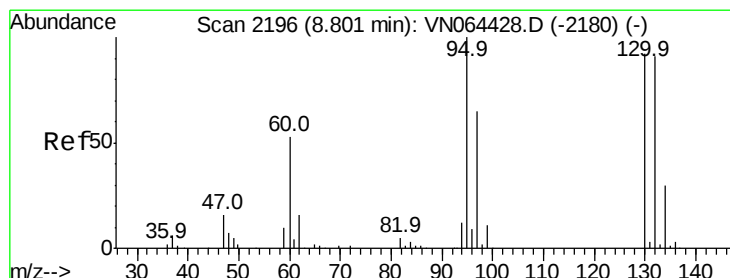
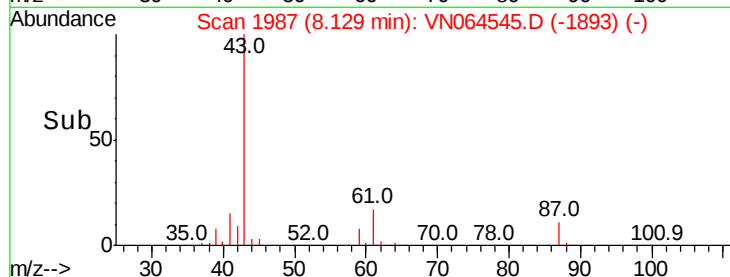
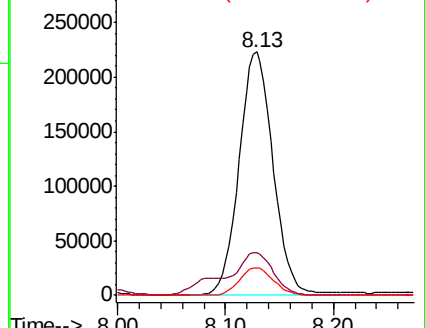
87 11.4 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064428.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN064428.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN064428.D (-1966) (-)



#44

Trichloroethene

Concen: 50.044 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064545.D

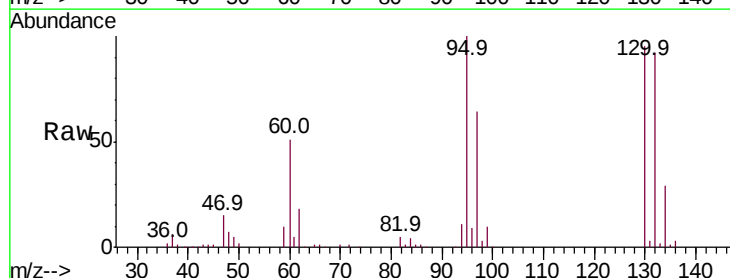
Acq: 11 Nov 2020 10:23

Tgt Ion:130 Resp: 218759

Ion Ratio Lower Upper

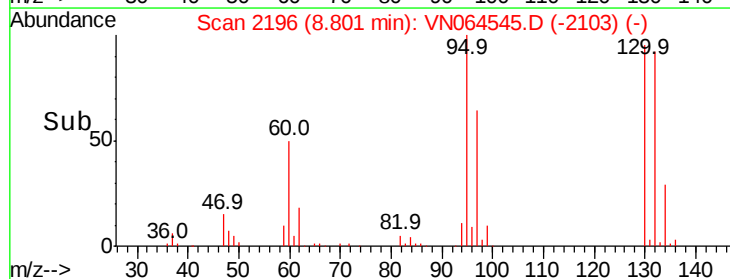
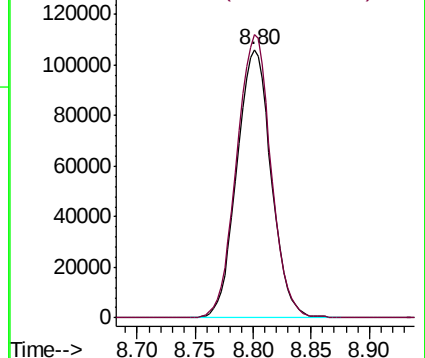
130 100

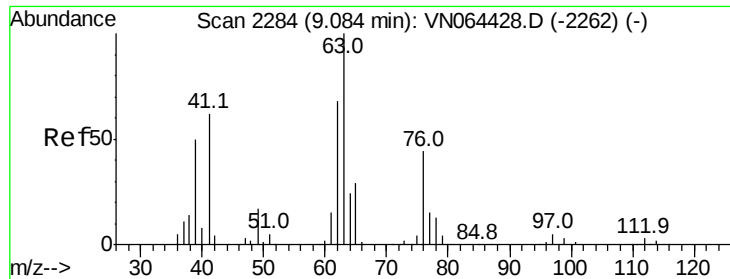
95 105.6 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064428.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064428.D (-2180) (-)

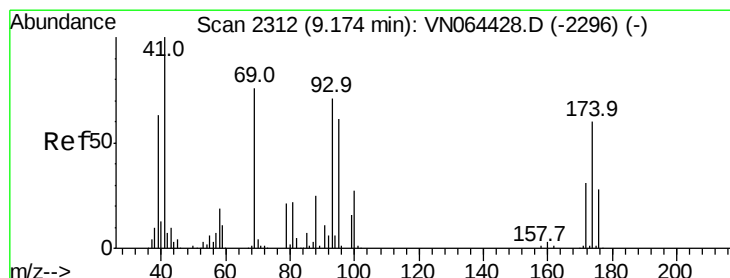
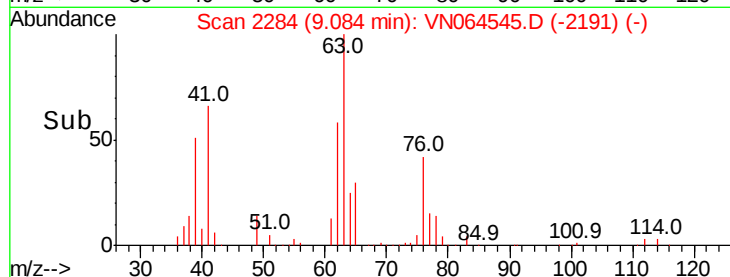
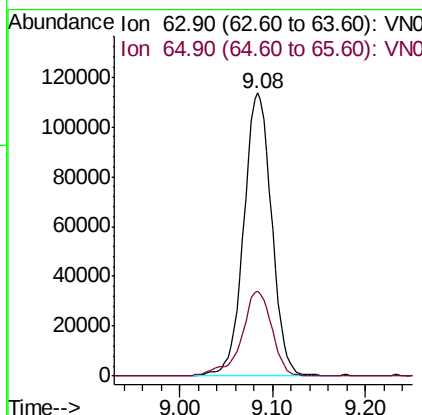
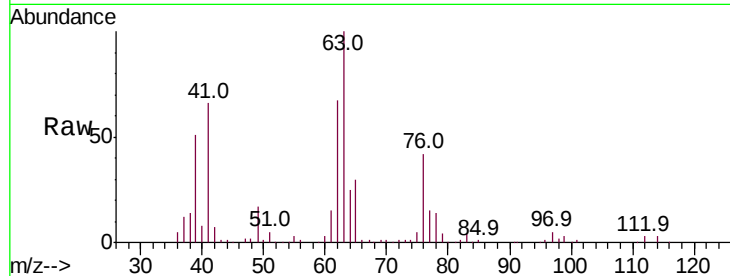




#45
 1,2-Dichloropropane
 Concen: 51.299 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

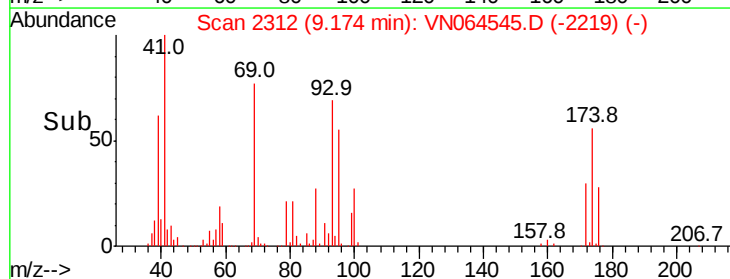
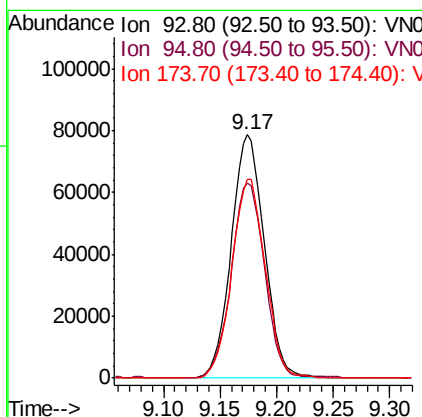
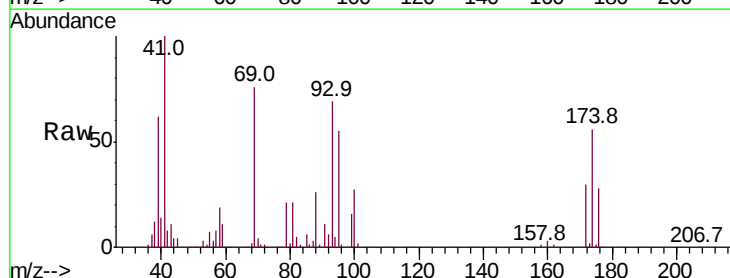
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

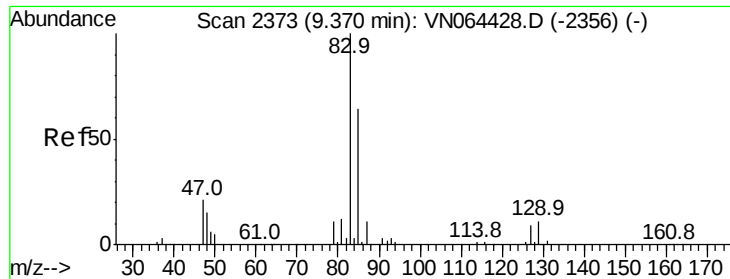
Tot Ion: 63 Resp: 237157
 Ion Ratio Lower Upper
 63 100
 65 30.2 23.6 35.4



#46
 Dibromomethane
 Concen: 52.802 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

Tgt Ion: 93 Resp: 160691
 Ion Ratio Lower Upper
 93 100
 95 80.4 66.4 99.6
 174 82.2 67.2 100.8

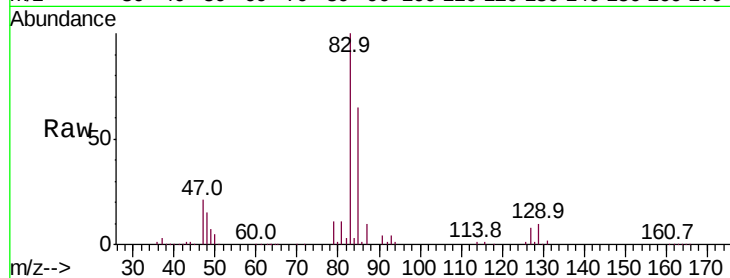




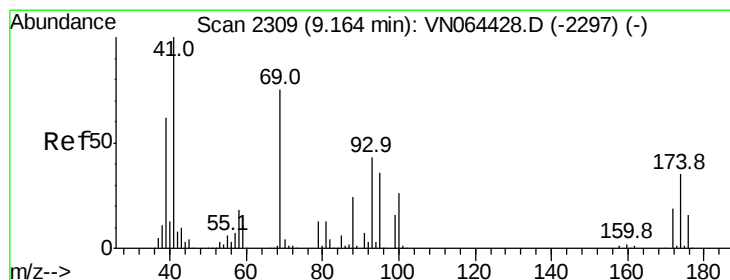
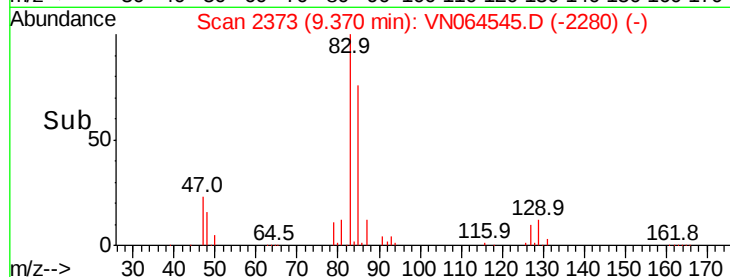
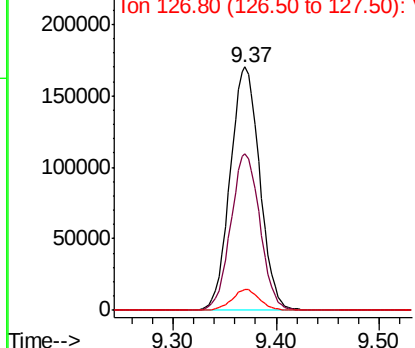
#47
Bromodichloromethane
Concen: 51.931 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 339816
Ion Ratio Lower Upper
83 100
85 64.6 51.2 76.8
127 8.4 6.9 10.3

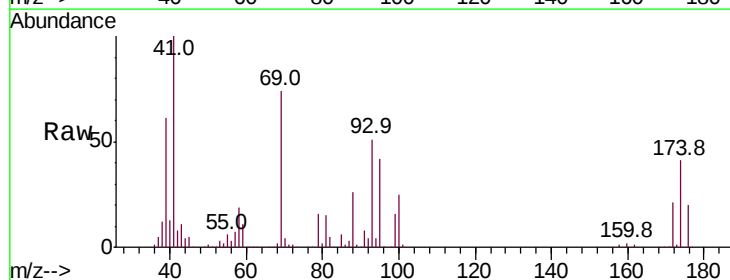


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

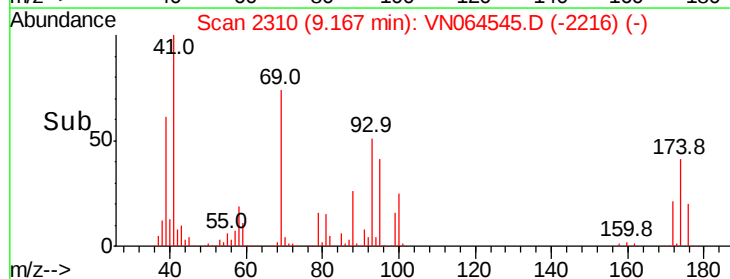
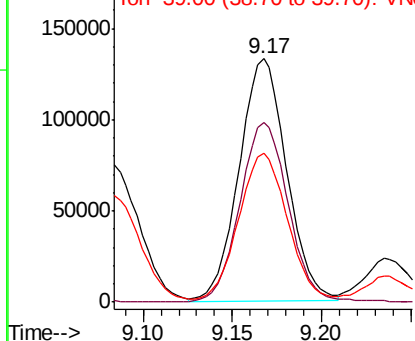


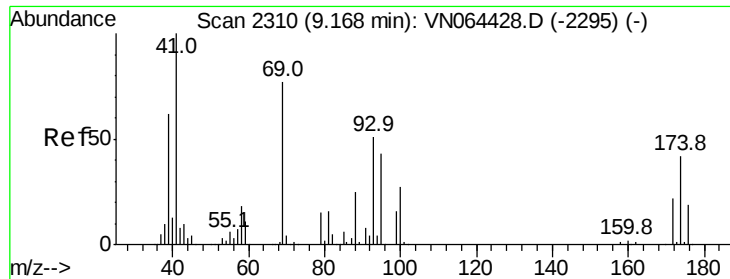
#48
Methyl methacrylate
Concen: 51.572 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 41 Resp: 248661
Ion Ratio Lower Upper
41 100
69 75.6 60.4 90.6
39 63.2 51.2 76.8



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1093.658 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

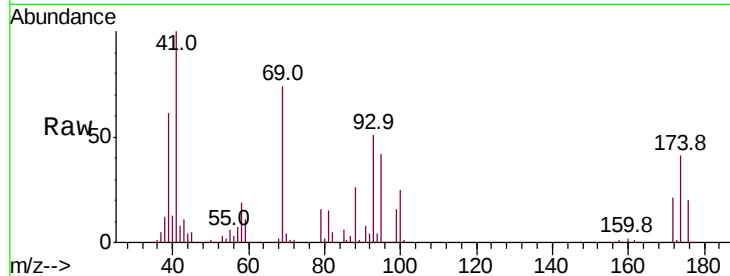
Tot Ion: 88 Resp: 69456

Ion Ratio Lower Upper

88 100

43 36.7 31.0 46.6

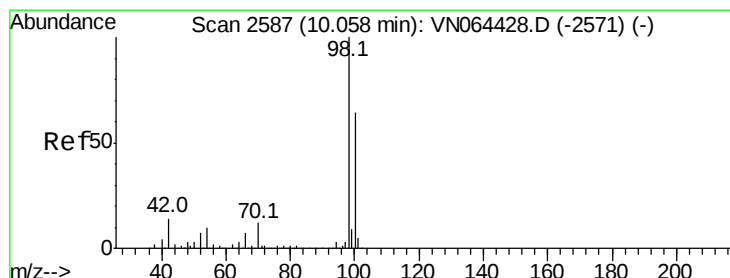
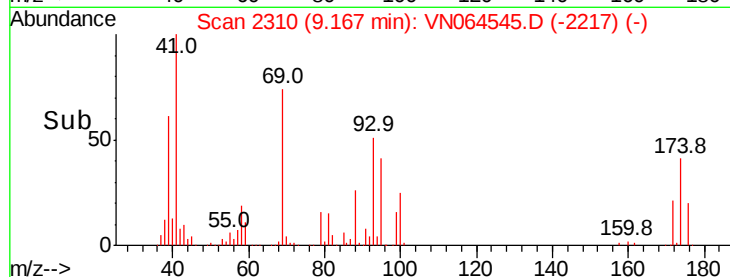
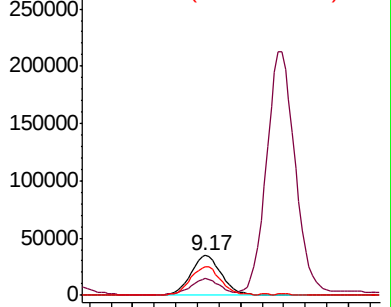
58 71.3 58.4 87.6



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.708 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064545.D

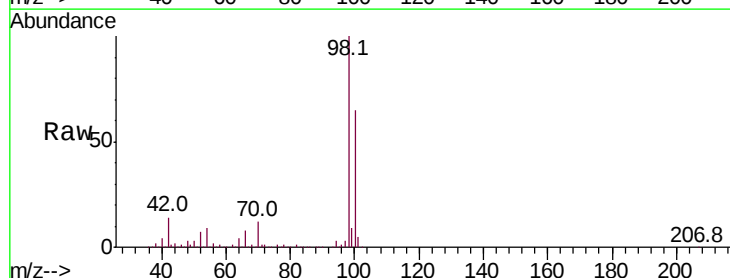
Acq: 11 Nov 2020 10:23

Tgt Ion: 98 Resp: 715396

Ion Ratio Lower Upper

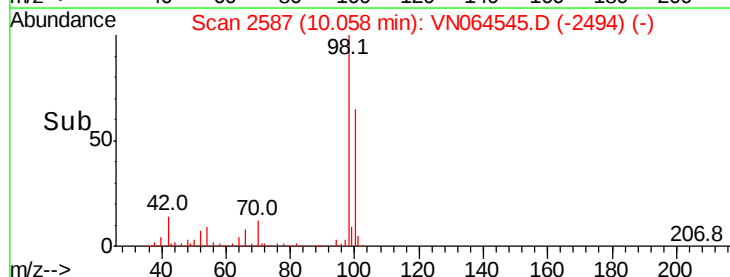
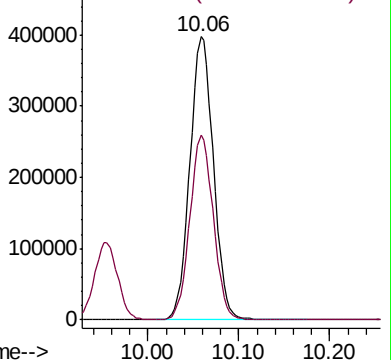
98 100

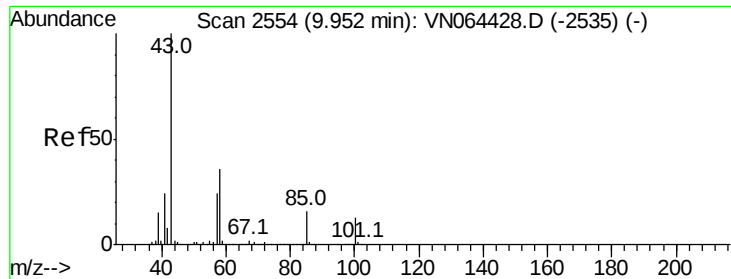
100 64.6 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 270.438 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

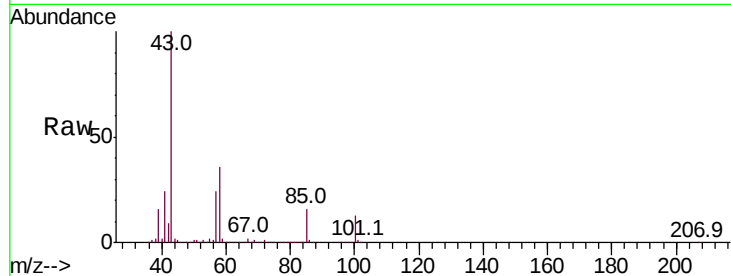
VSTDCCC050

Tot Ion: 43 Resp: 1506988

Ion Ratio Lower Upper

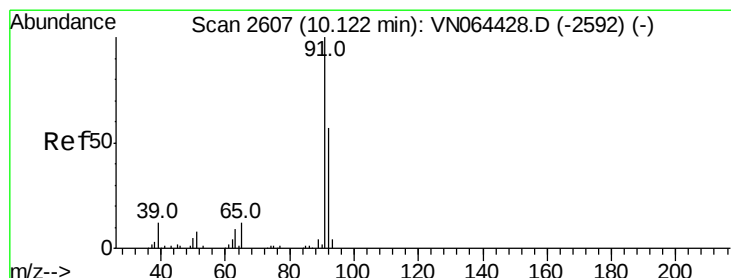
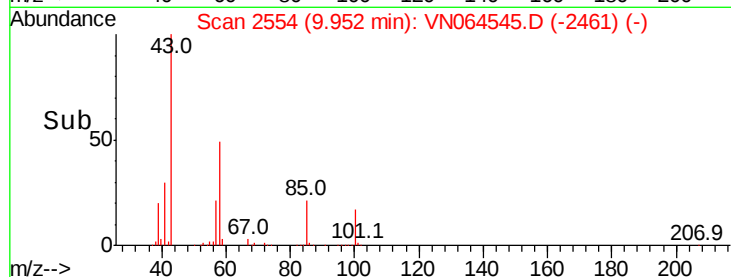
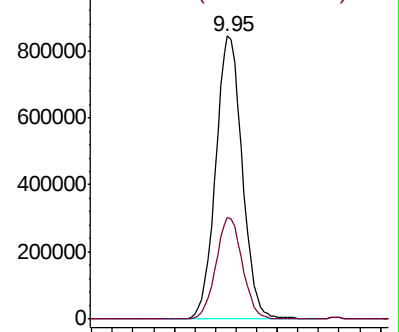
43 100

58 35.9 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 51.911 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064545.D

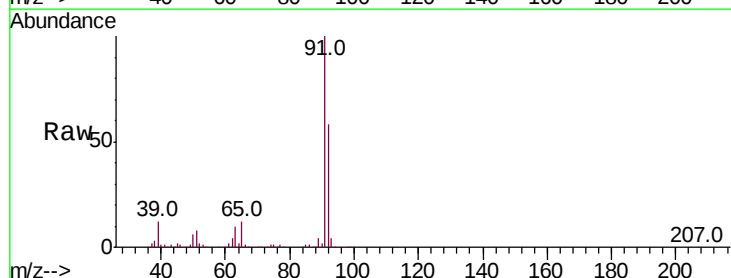
Acq: 11 Nov 2020 10:23

Tgt Ion: 92 Resp: 548570

Ion Ratio Lower Upper

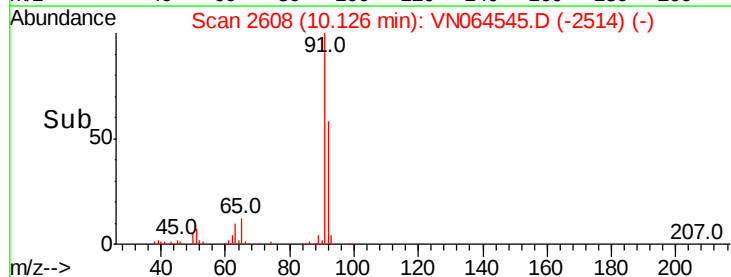
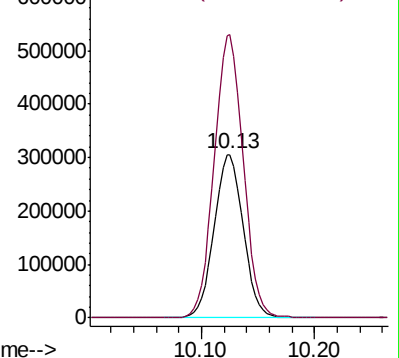
92 100

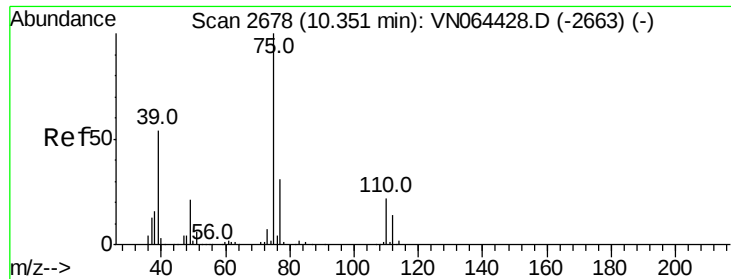
91 173.1 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 52.069 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

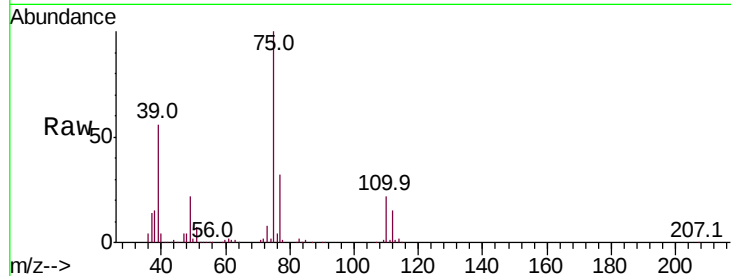
VSTDCCC050

Tot Ion: 75 Resp: 361221

Ion Ratio Lower Upper

75 100

77 32.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

200000

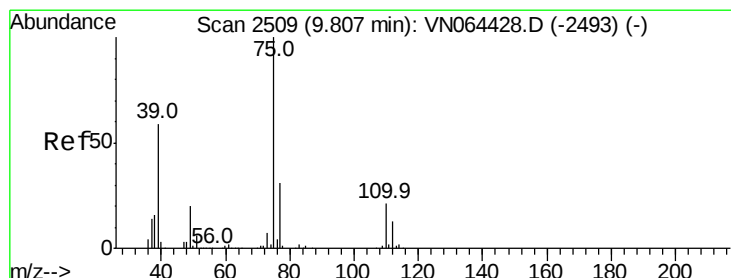
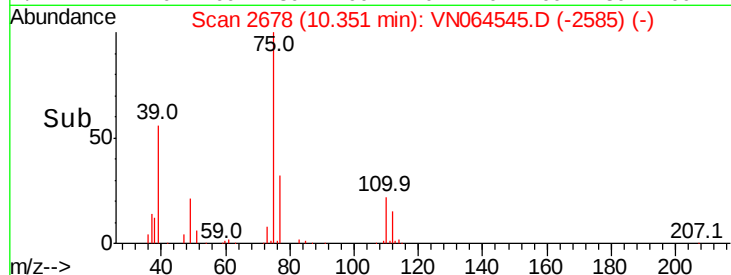
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.511 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

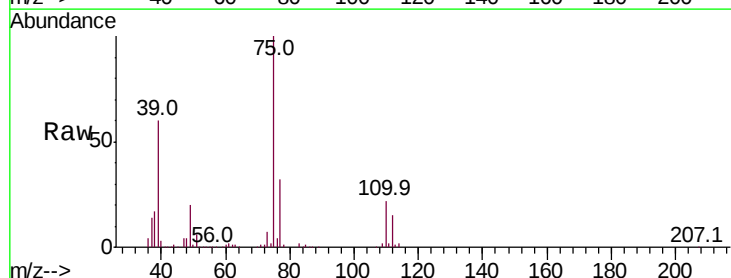
Tgt Ion: 75 Resp: 374660

Ion Ratio Lower Upper

75 100

77 32.0 24.9 37.3

39 59.7 47.1 70.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

250000

200000

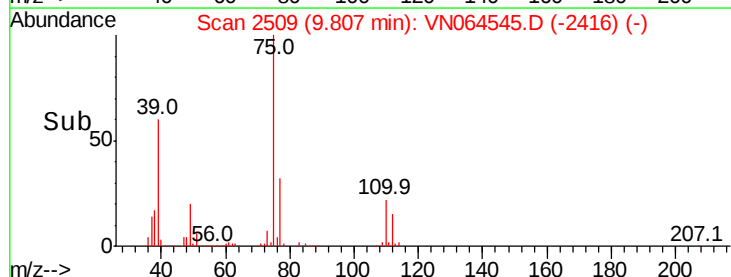
150000

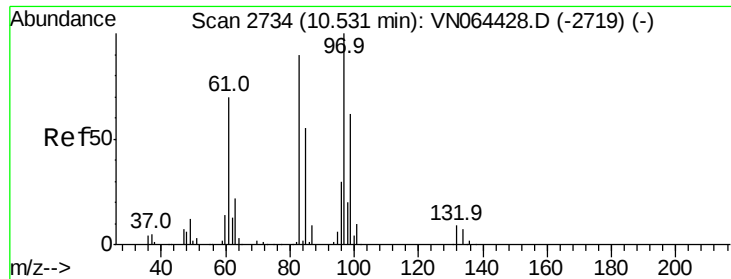
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.148 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 214914

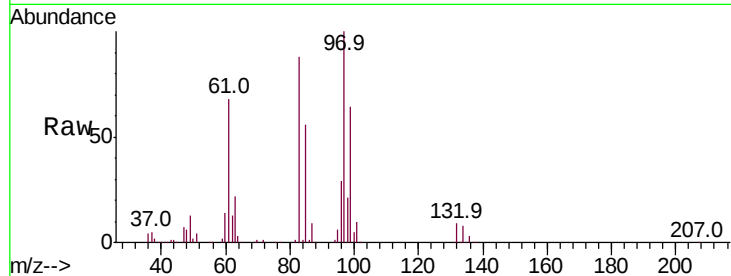
Ion Ratio Lower Upper

97 100

83 87.9 71.7 107.5

85 56.0 44.3 66.5

99 63.6 49.4 74.2

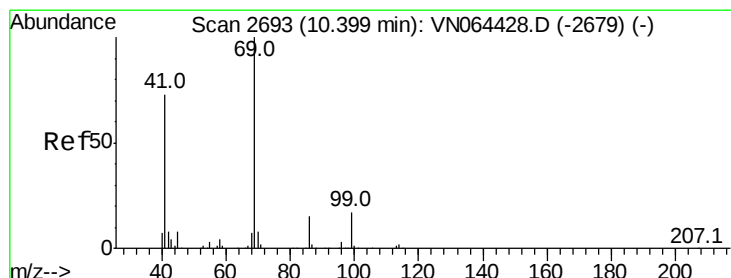
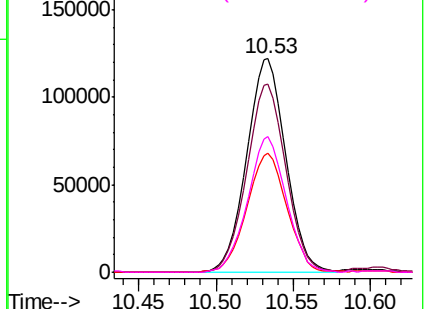
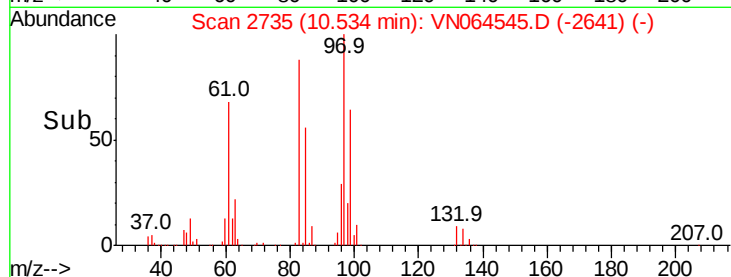


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 47.295 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

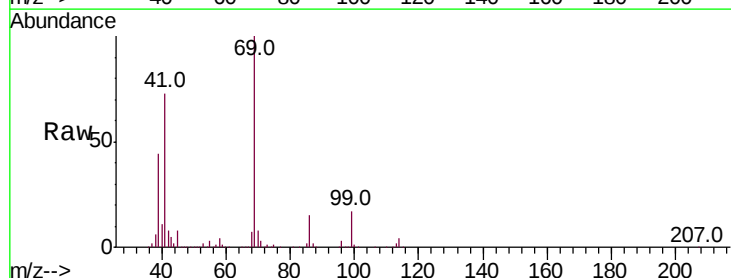
Tgt Ion: 69 Resp: 319990

Ion Ratio Lower Upper

69 100

41 72.8 59.3 88.9

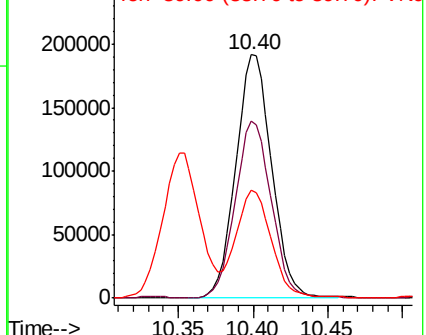
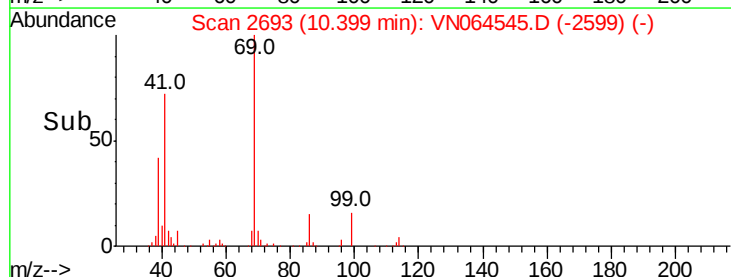
39 43.3 35.4 53.0

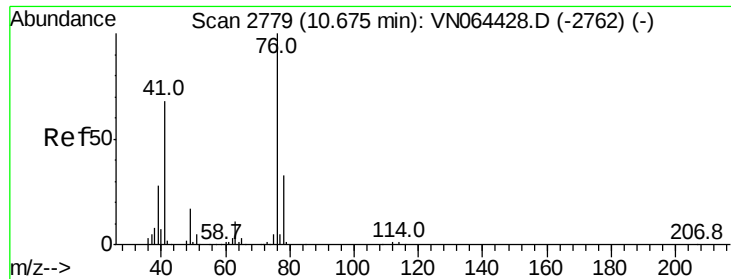


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.841 ug/l

RT: 10.68 min Scan# 2780

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

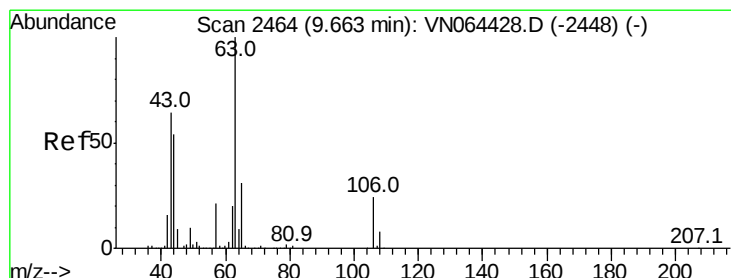
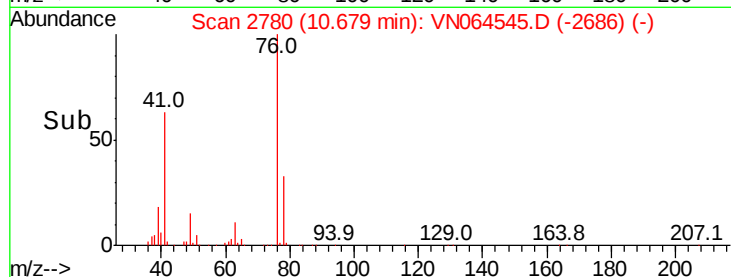
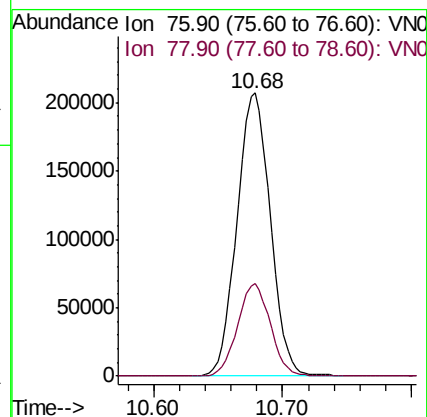
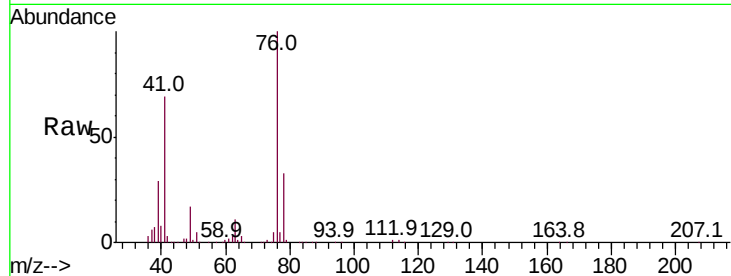
VSTDCCC050

Tot Ion: 76 Resp: 372920

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.6



#58

2-Chloroethyl Vinyl ether

Concen: 263.025 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064545.D

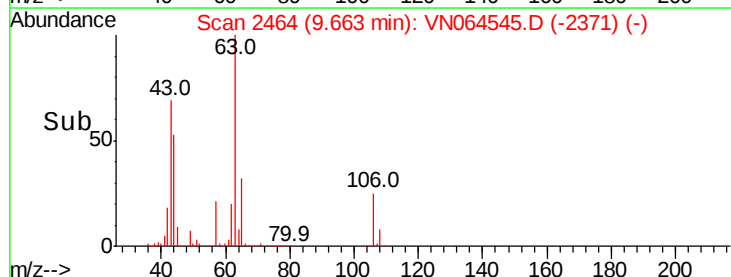
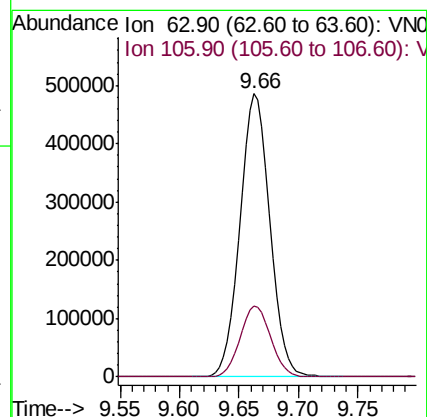
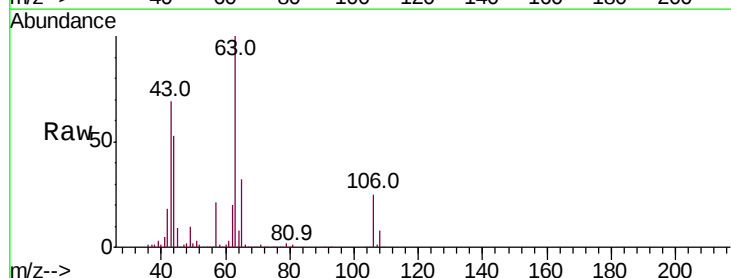
Acq: 11 Nov 2020 10:23

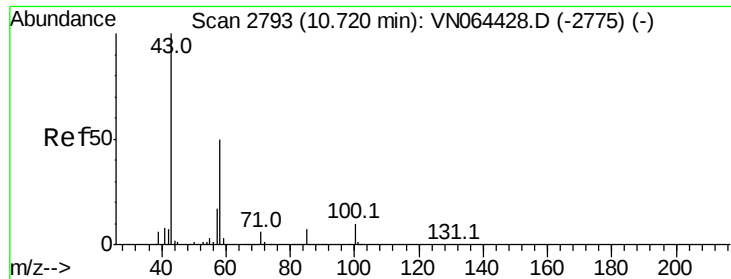
Tgt Ion: 63 Resp: 846668

Ion Ratio Lower Upper

63 100

106 25.7 19.5 29.3

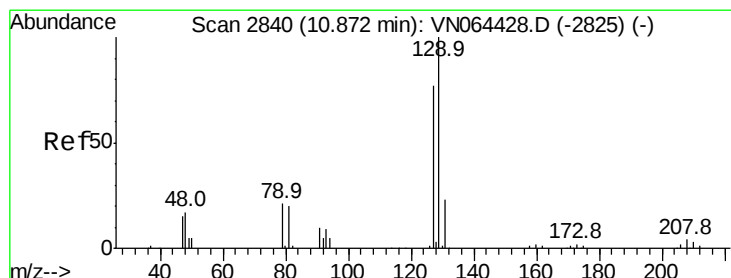
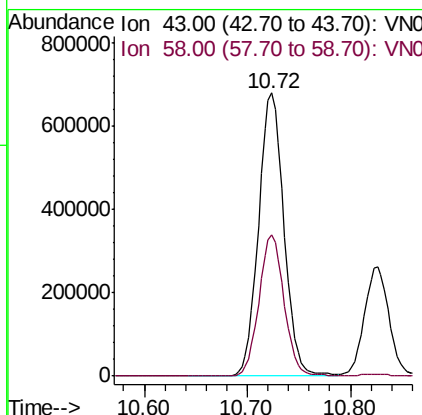
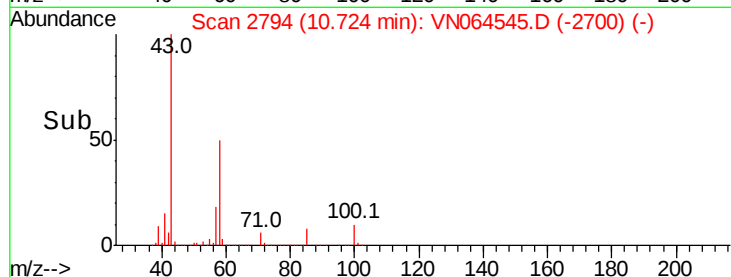
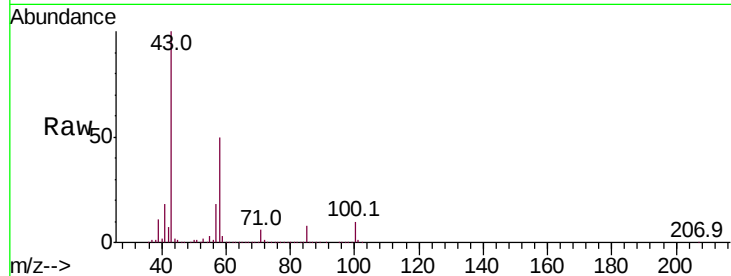




#59
2-Hexanone
Concen: 253.802 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

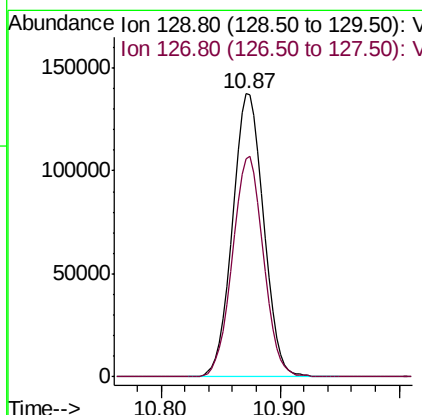
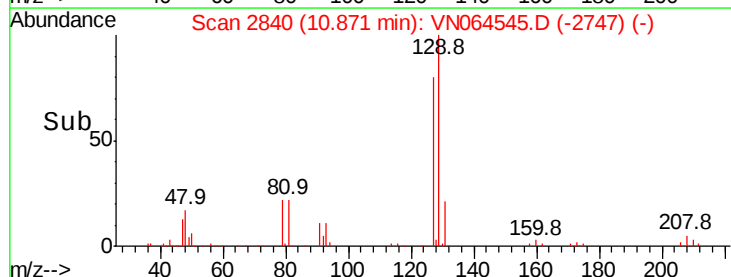
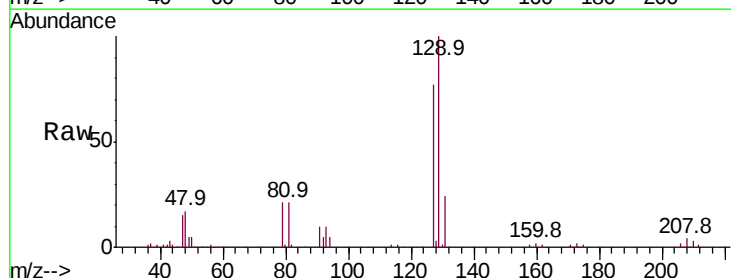
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

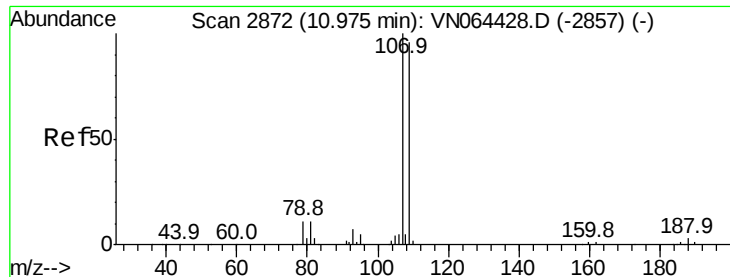
Tot Ion: 43 Resp: 1153548
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1



#60
Dibromochloromethane
Concen: 54.062 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 129 Resp: 249452
Ion Ratio Lower Upper
129 100
127 77.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 53.210 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

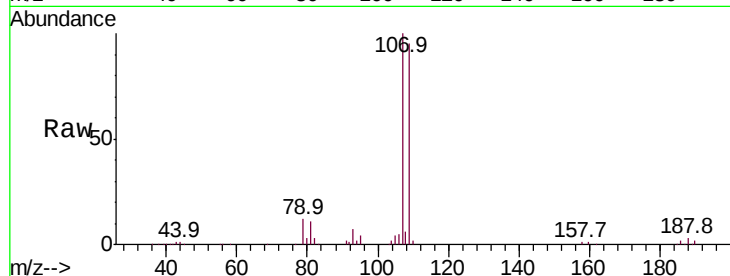
VSTDCCC050

Tot Ion:107 Resp: 222434

Ion Ratio Lower Upper

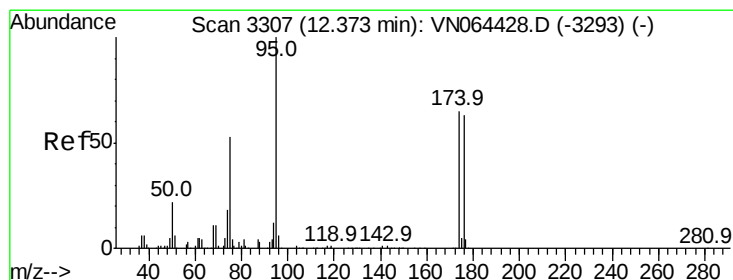
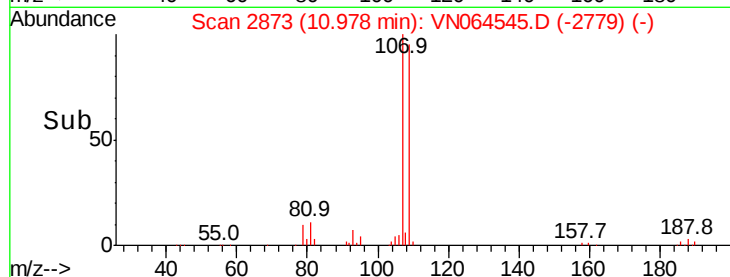
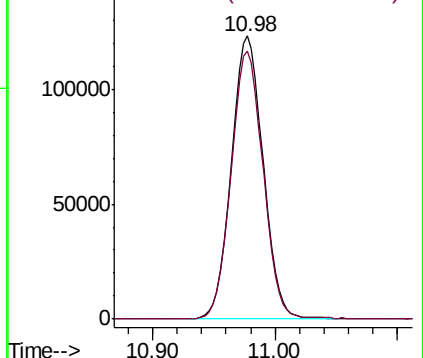
107 100

109 95.5 75.9 113.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.029 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

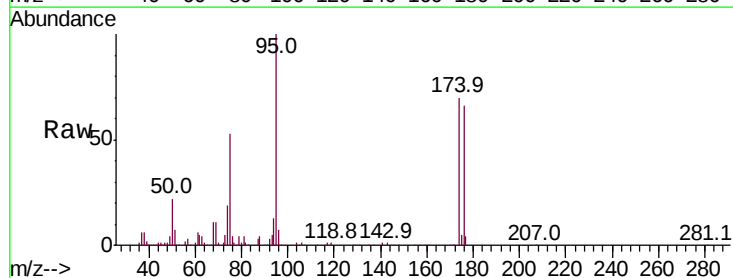
Tgt Ion: 95 Resp: 277891

Ion Ratio Lower Upper

95 100

174 69.6 0.0 132.6

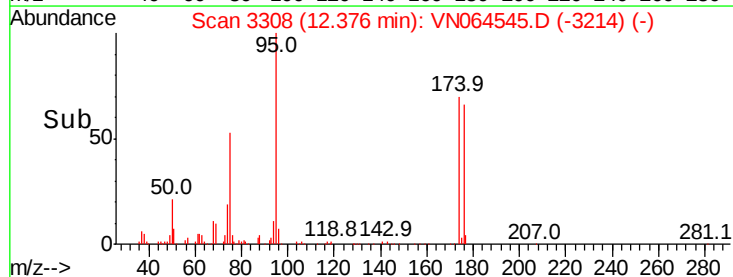
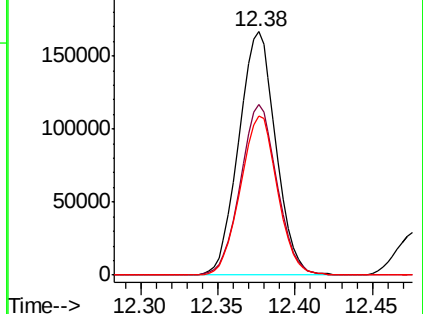
176 65.6 0.0 129.2

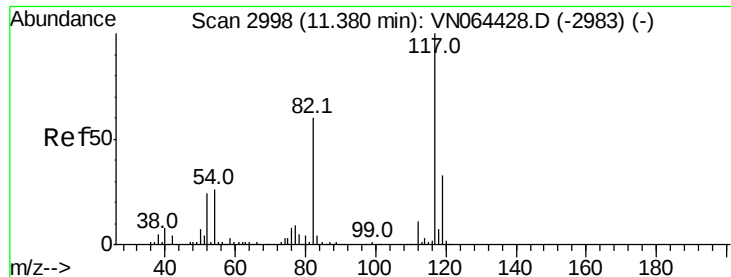


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

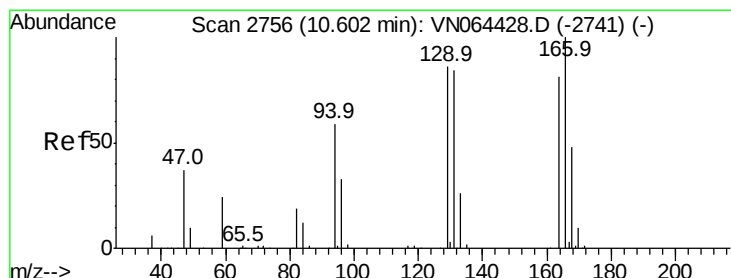
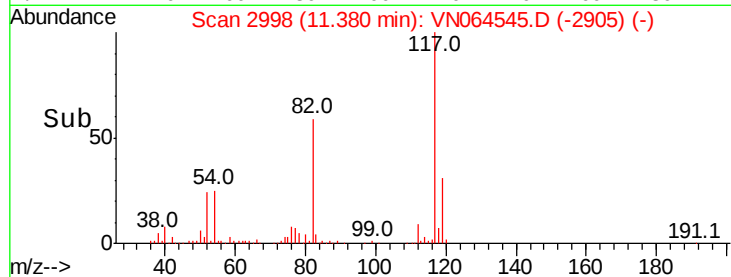
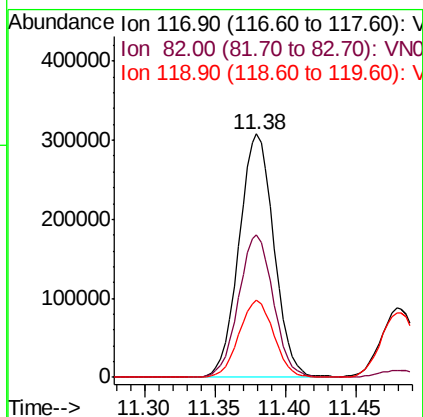
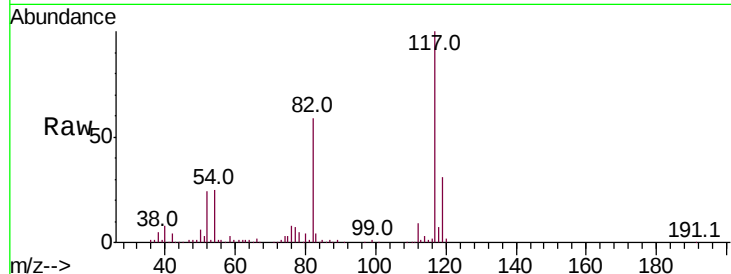




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

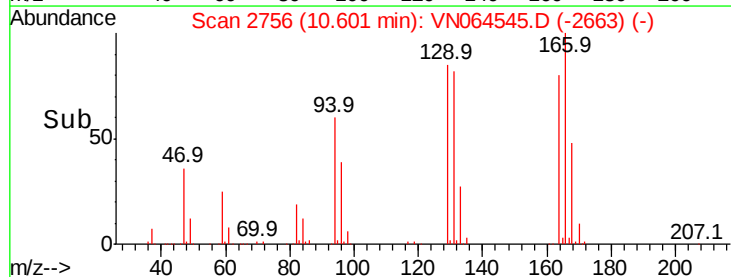
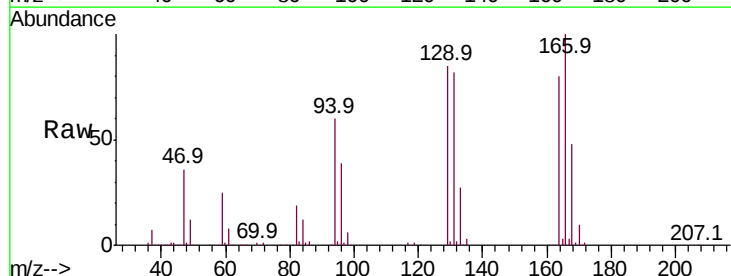
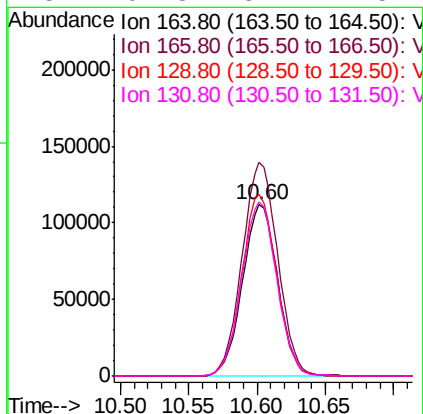
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

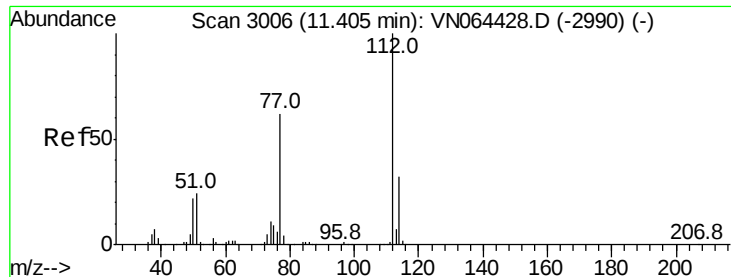
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	48.1	72.1
119	31.5	26.2	39.4



#64
Tetrachloroethene
Concen: 48.656 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	98.2	147.2
129	106.4	84.6	127.0
131	101.8	82.2	123.2

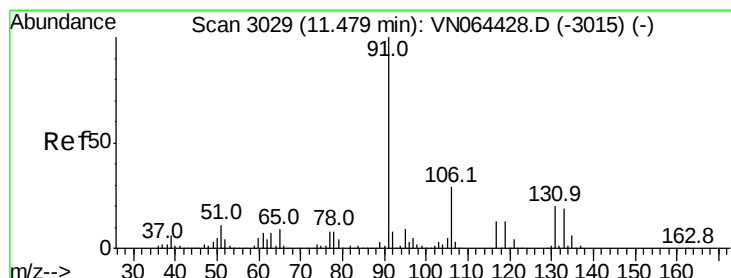
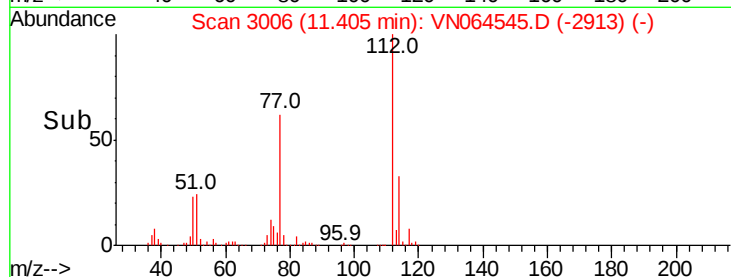
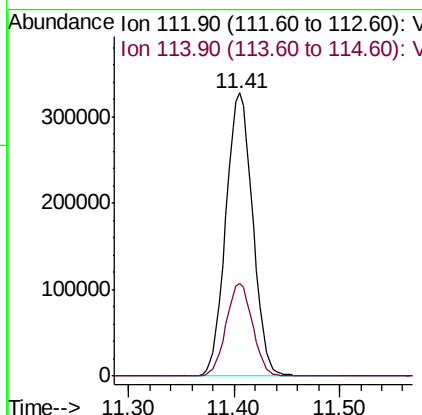
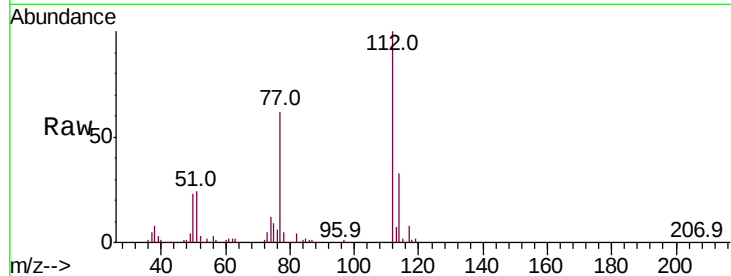




#65
Chlorobenzene
Concen: 49.143 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

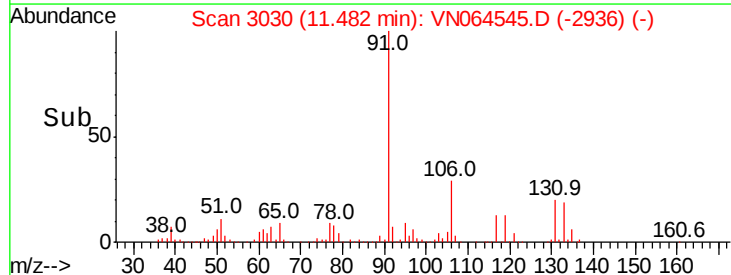
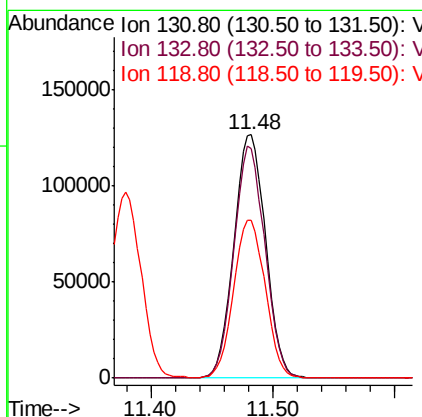
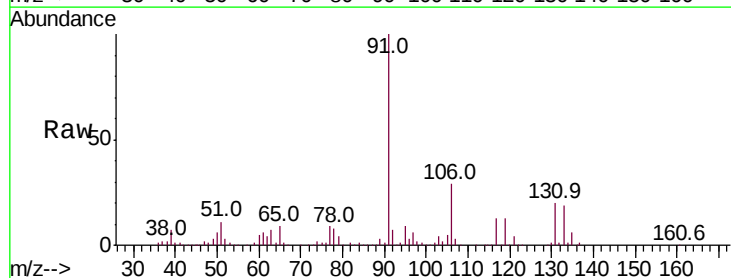
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

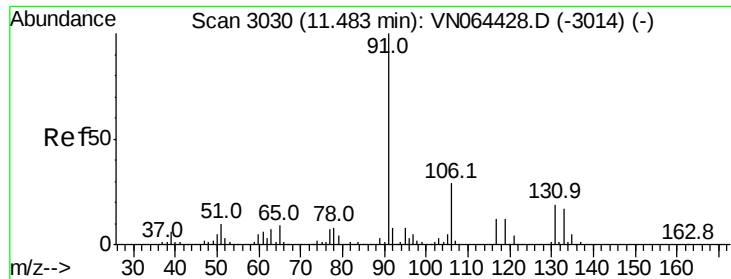
Tot Ion:112 Resp: 575439
Ion Ratio Lower Upper
112 100
114 32.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 52.230 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion:131 Resp: 228159
Ion Ratio Lower Upper
131 100
133 93.6 46.9 140.7
119 64.8 32.1 96.5

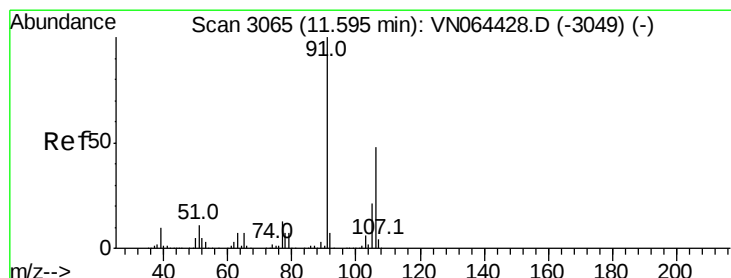
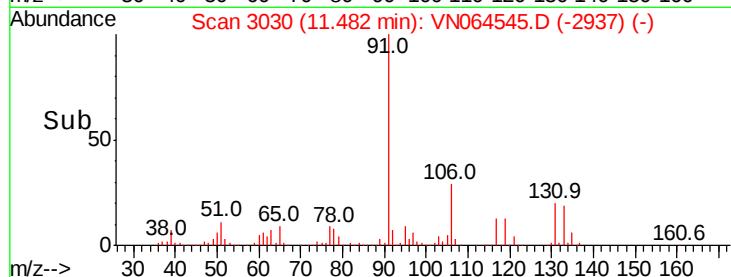
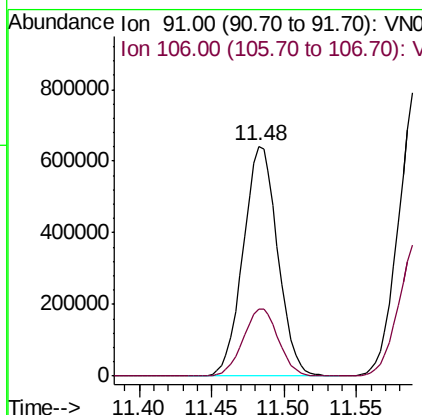
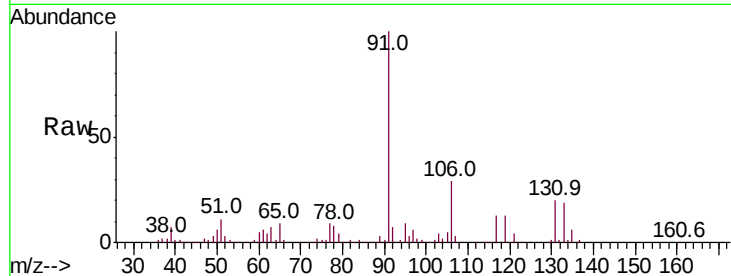




#67
Ethyl Benzene
Concen: 51.139 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

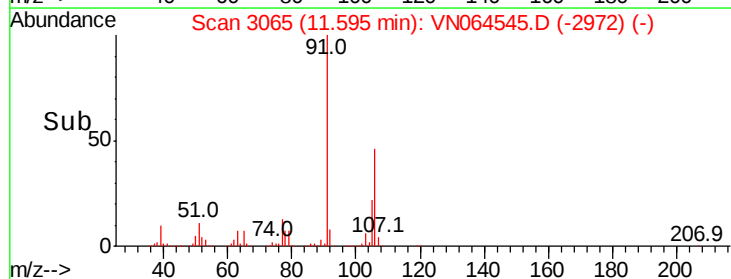
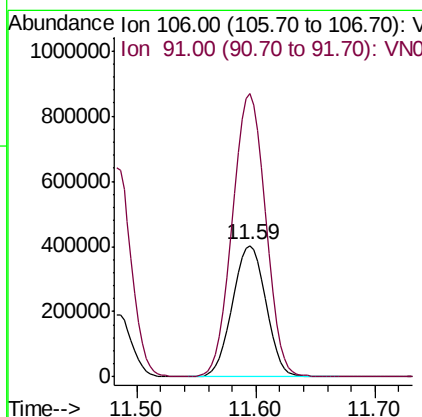
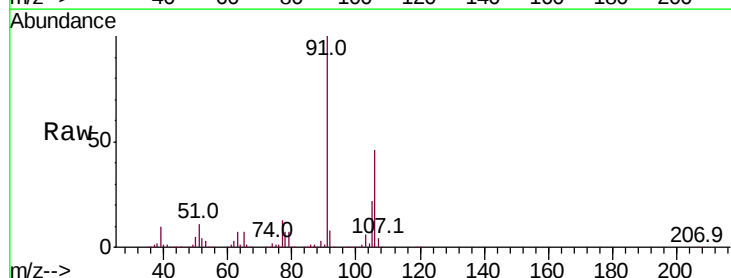
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

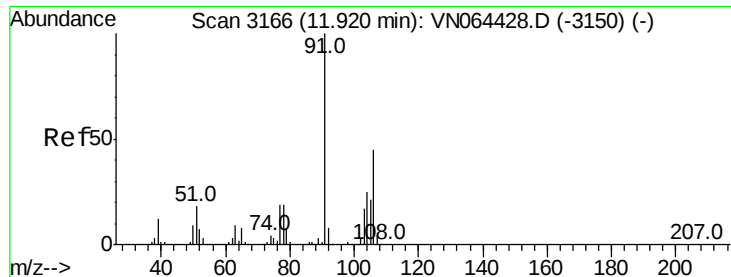
Tot Ion: 91 Resp: 1065112
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4



#68
m/p-Xylenes
Concen: 103.848 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 106 Resp: 784413
Ion Ratio Lower Upper
106 100
91 214.7 169.4 254.2

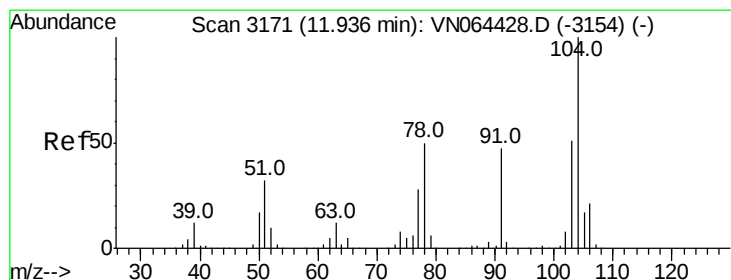
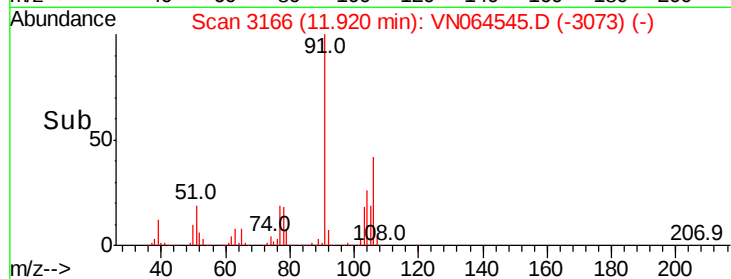
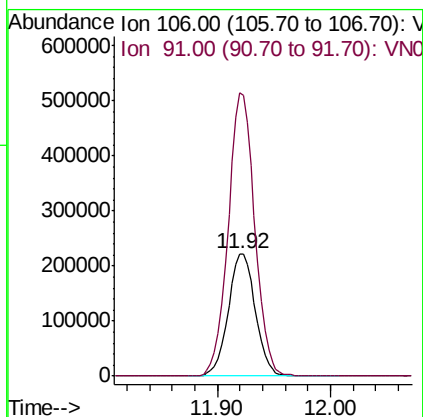
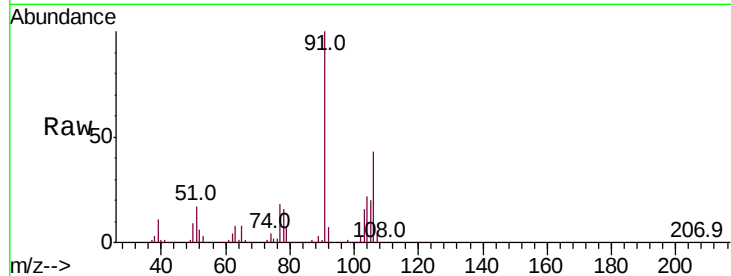




#69
o-Xylene
Concen: 50.592 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

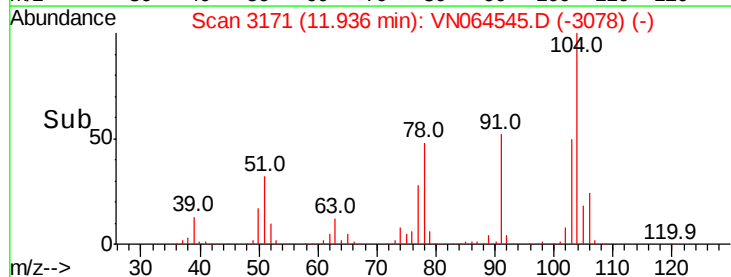
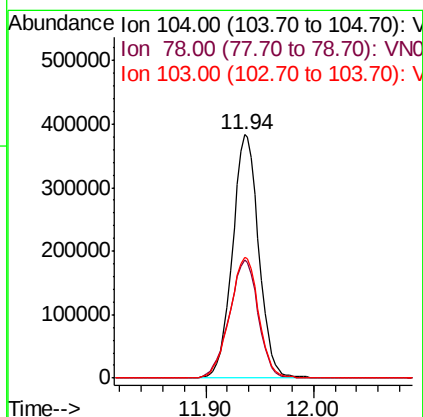
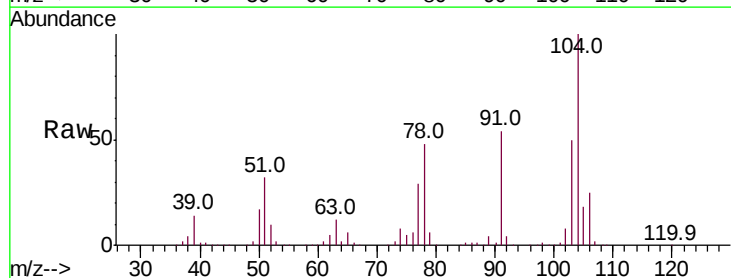
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

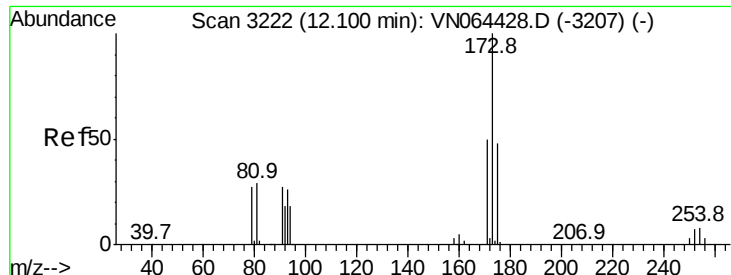
Tot Ion:106 Resp: 369277
Ion Ratio Lower Upper
106 100
91 227.2 111.7 334.9



#70
Styrene
Concen: 53.162 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion:104 Resp: 652955
Ion Ratio Lower Upper
104 100
78 53.3 44.0 66.0
103 54.4 43.8 65.6





#71

Bromoform

Concen: 50.020 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

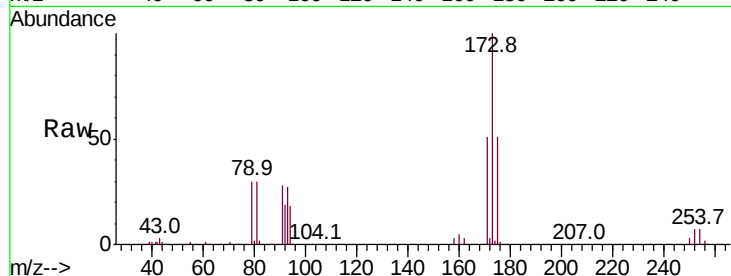
Tot Ion:173 Resp: 164069

Ion Ratio Lower Upper

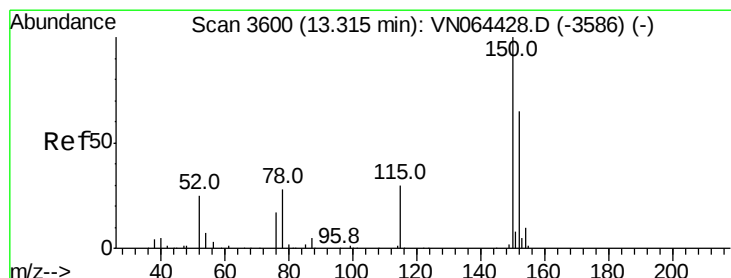
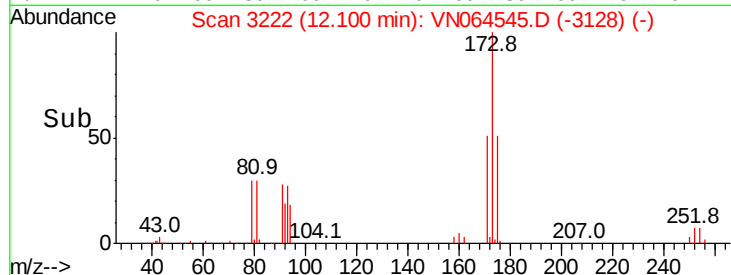
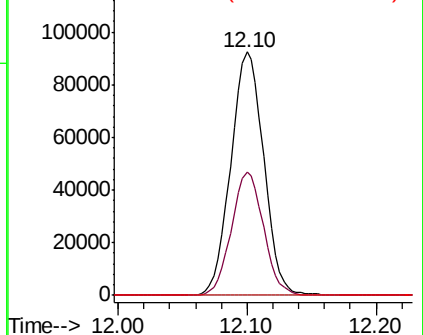
173 100

175 49.2 23.7 71.1

254 0.1 0.0 0.0#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

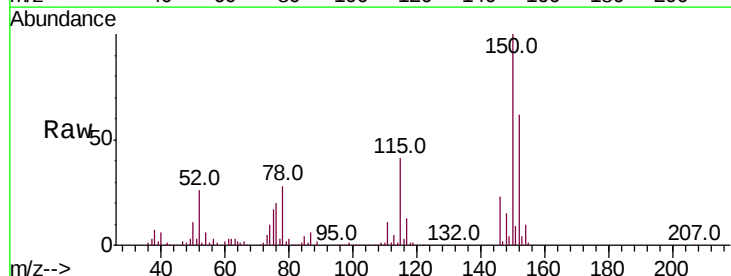
Tgt Ion:152 Resp: 256209

Ion Ratio Lower Upper

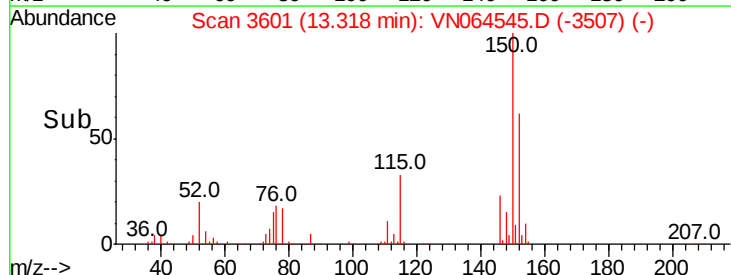
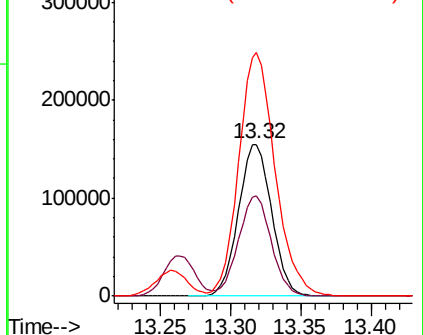
152 100

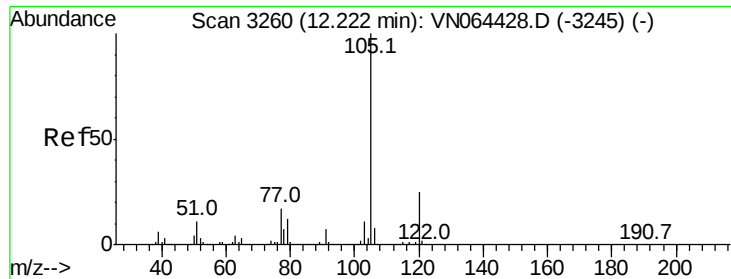
115 64.7 32.0 96.0

150 175.3 0.0 353.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.833 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

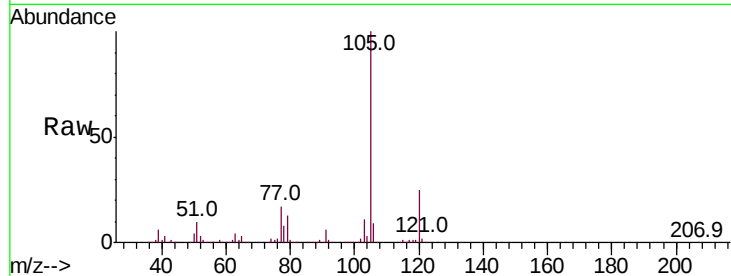
VSTDCCC050

Tot Ion:105 Resp: 994452

Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

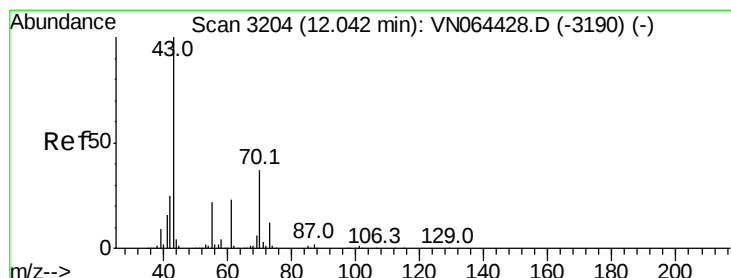
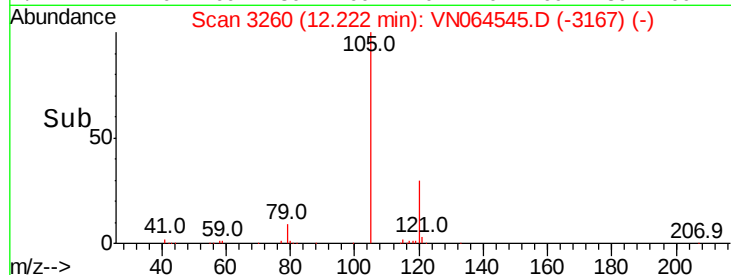
600000

400000

200000

0

Time--> 12.10 12.20 12.30



#74

N-ethyl acetate

Concen: 44.342 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Tgt Ion: 43 Resp: 436564

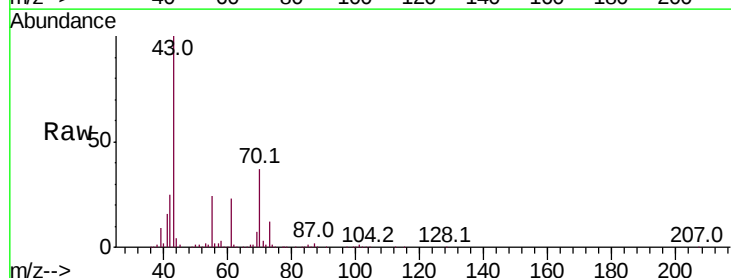
Ion Ratio Lower Upper

43 100

70 37.5 29.6 44.4

55 24.6 18.4 27.6

61 22.0 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

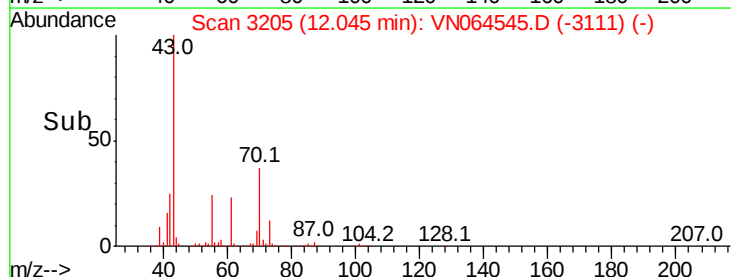
300000

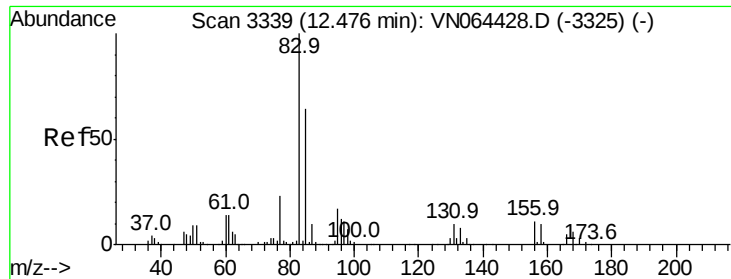
200000

100000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 49.024 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

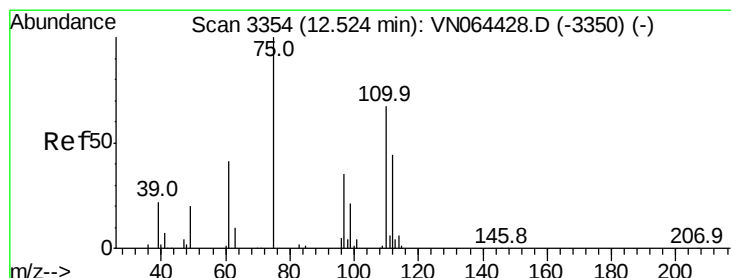
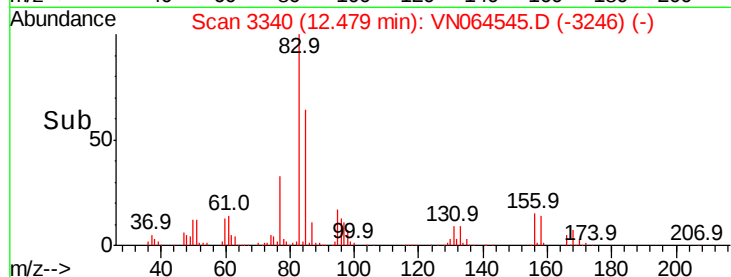
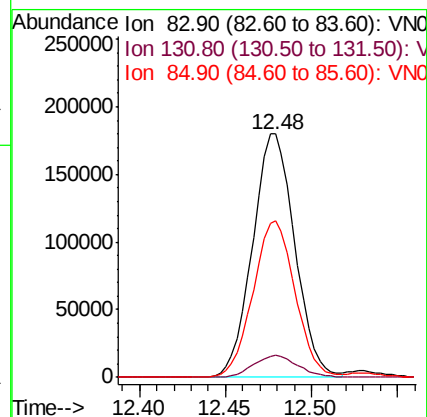
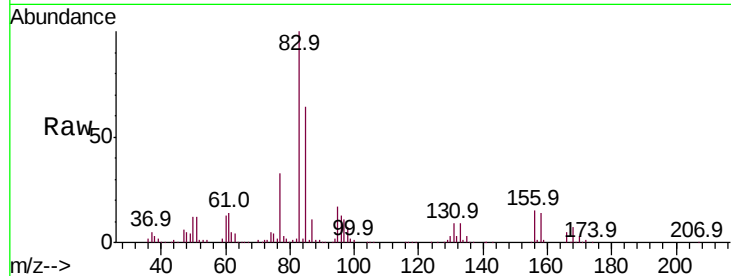
Tot Ion: 83 Resp: 306643

Ion Ratio Lower Upper

83 100

131 9.4 4.9 14.7

85 64.0 32.1 96.5



#76

1,2,3-Trichloropropane

Concen: 68.687 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064545.D

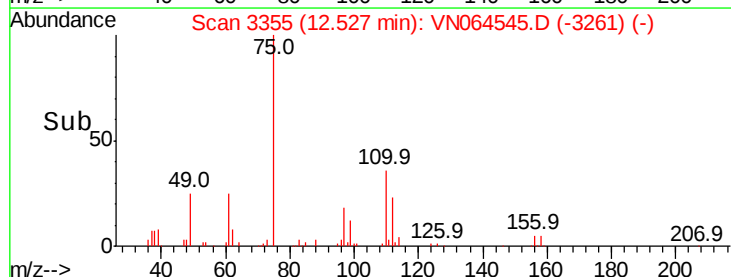
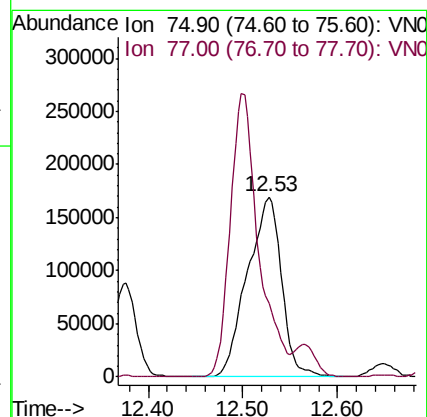
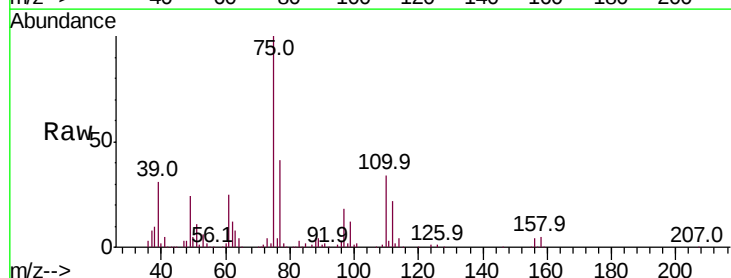
Acq: 11 Nov 2020 10:23

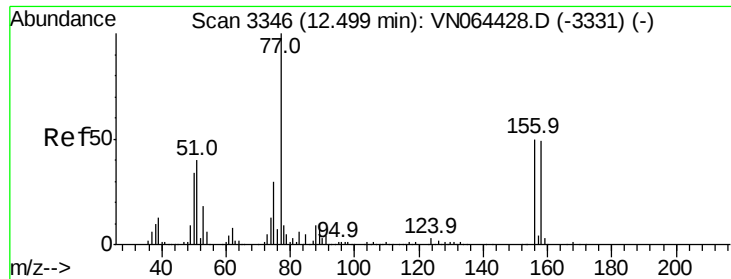
Tgt Ion: 75 Resp: 426389

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 47.425 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

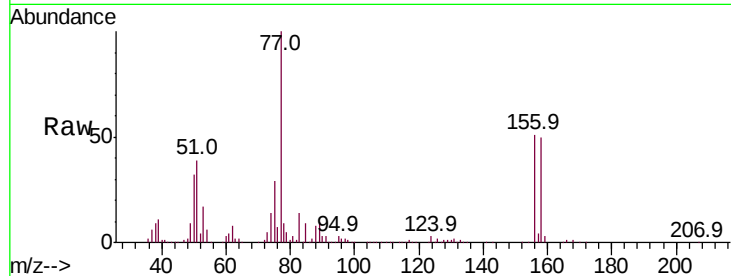
Tot Ion:156 Resp: 235791

Ion Ratio Lower Upper

156 100

77 236.7 119.0 357.0

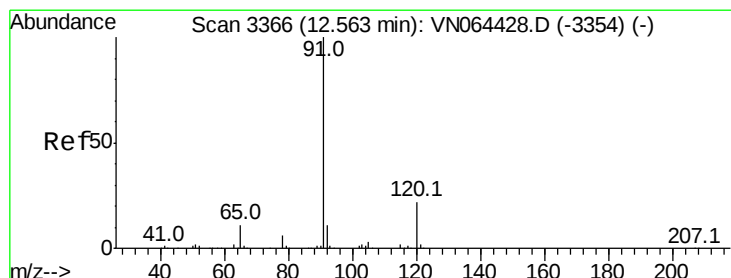
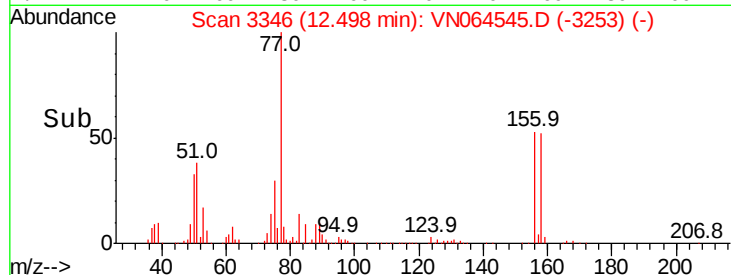
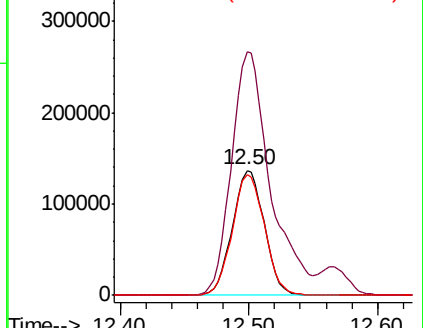
158 97.6 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.265 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064545.D

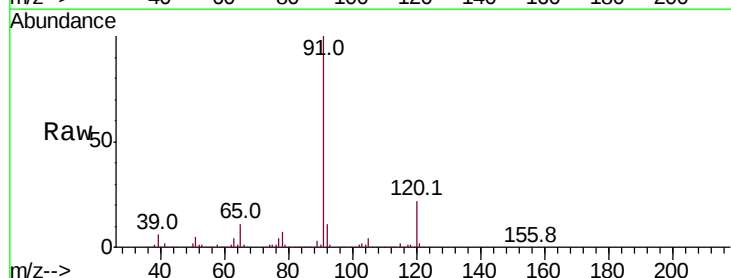
Acq: 11 Nov 2020 10:23

Tgt Ion: 91 Resp: 1166996

Ion Ratio Lower Upper

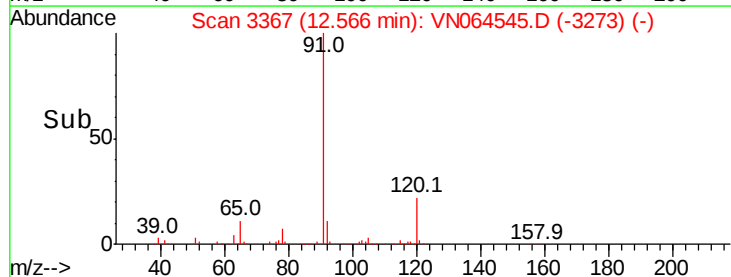
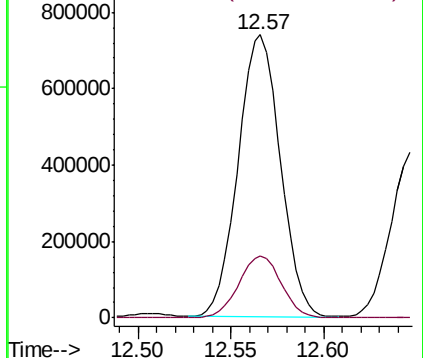
91 100

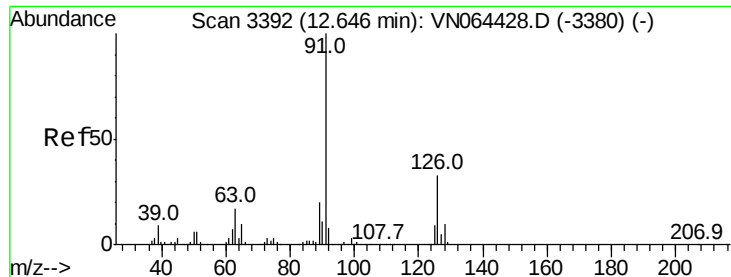
120 22.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.018 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

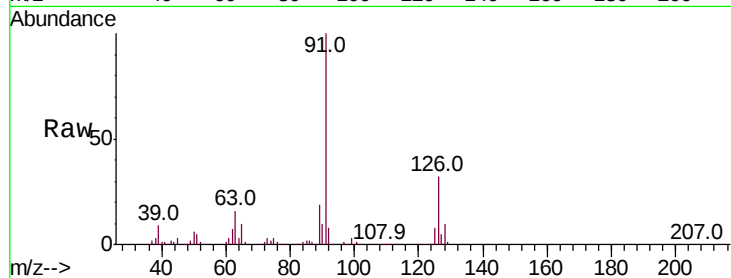
VSTDCCC050

Tot Ion: 91 Resp: 721803

Ion Ratio Lower Upper

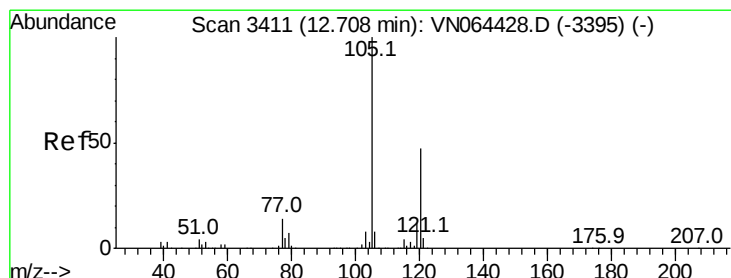
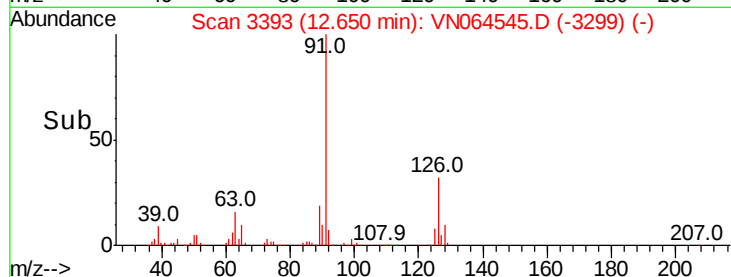
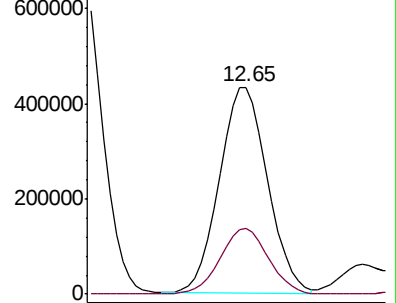
91 100

126 32.0 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN064428.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN064428.D (-3380) (-)



#80

1,3,5-Trimethylbenzene

Concen: 50.241 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064545.D

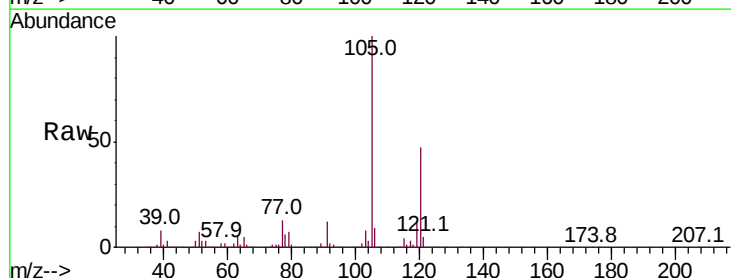
Acq: 11 Nov 2020 10:23

Tgt Ion: 105 Resp: 844042

Ion Ratio Lower Upper

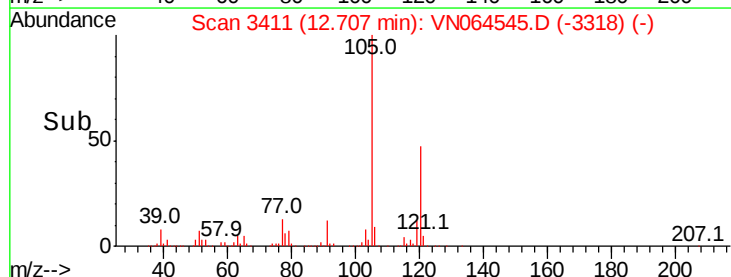
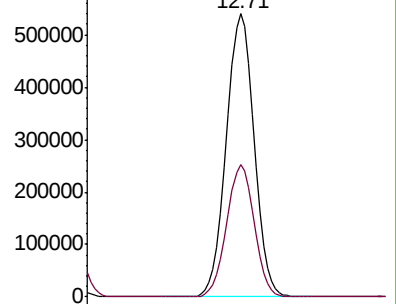
105 100

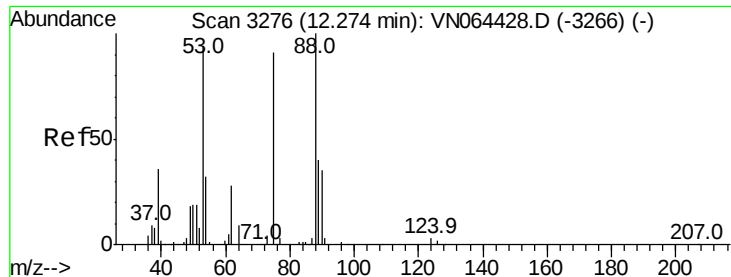
120 46.3 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): VN064428.D (-3395) (-)

Ion 120.00 (119.70 to 120.70): VN064428.D (-3395) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 48.345 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

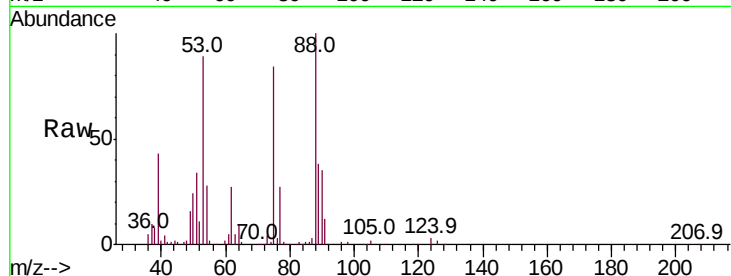
Tot Ion: 75 Resp: 107486

Ion Ratio Lower Upper

75 100

53 110.7 84.0 126.0

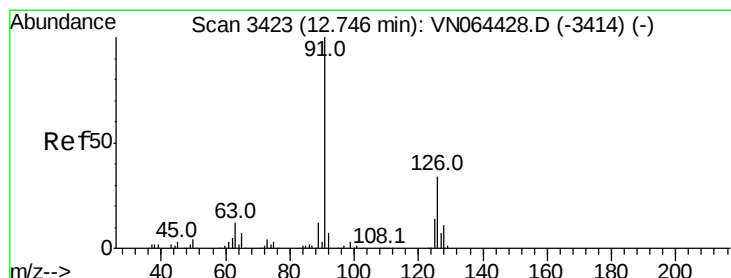
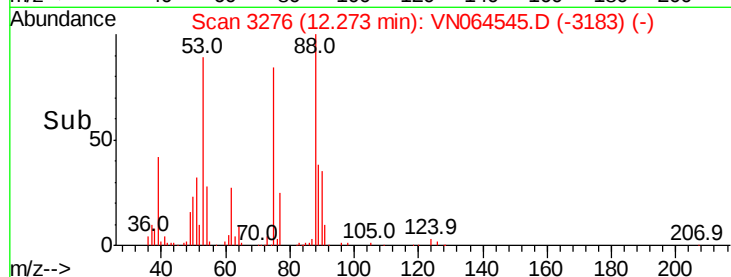
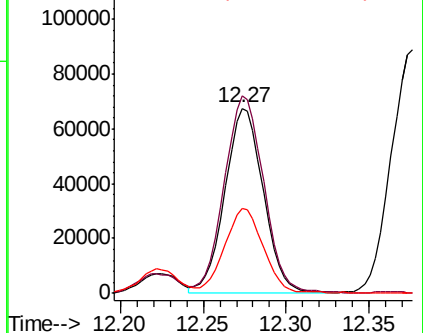
89 46.1 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.812 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064545.D

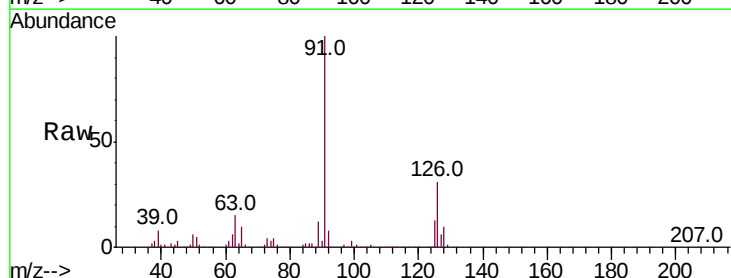
Acq: 11 Nov 2020 10:23

Tgt Ion: 91 Resp: 768157

Ion Ratio Lower Upper

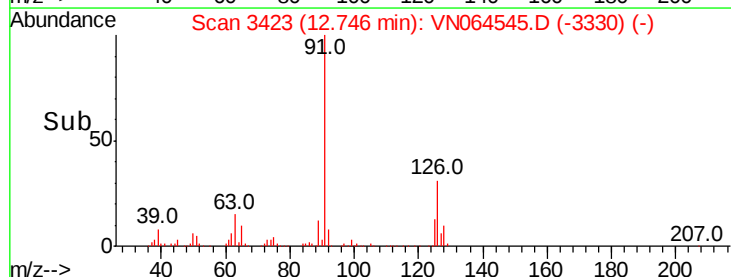
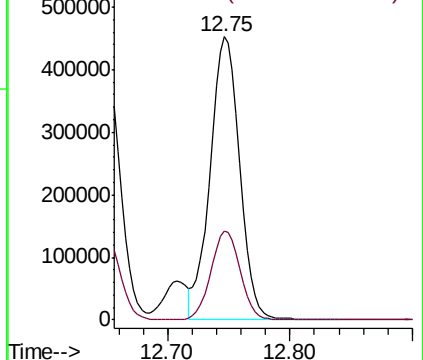
91 100

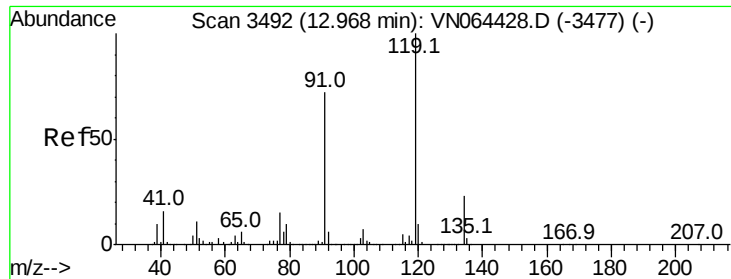
126 30.9 15.4 46.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

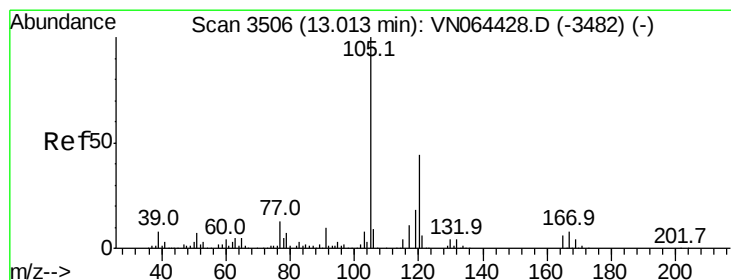
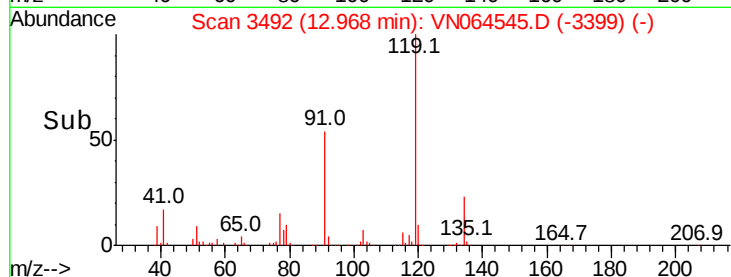
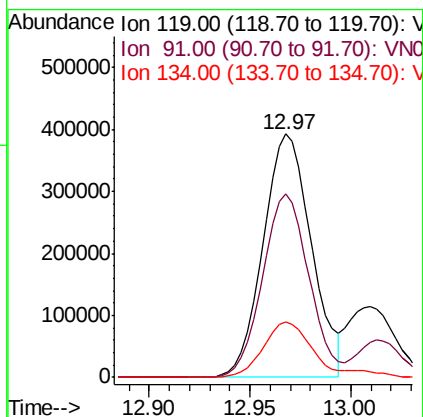
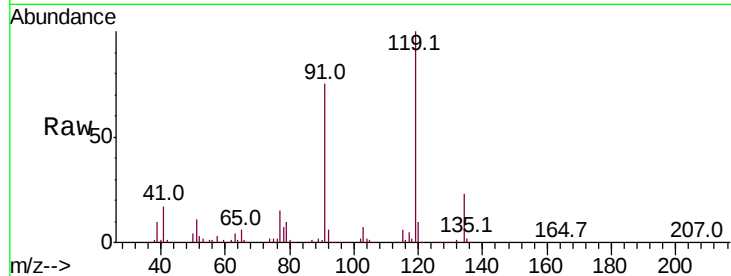




#83
tert-Butylbenzene
Concen: 49.955 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

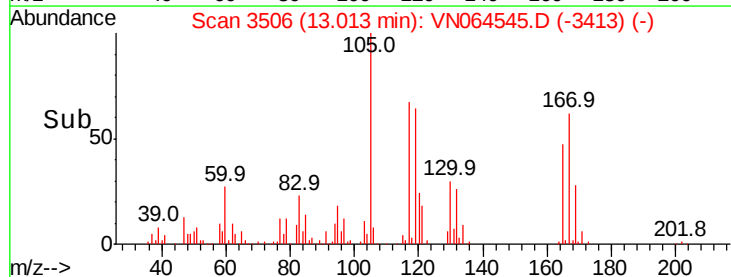
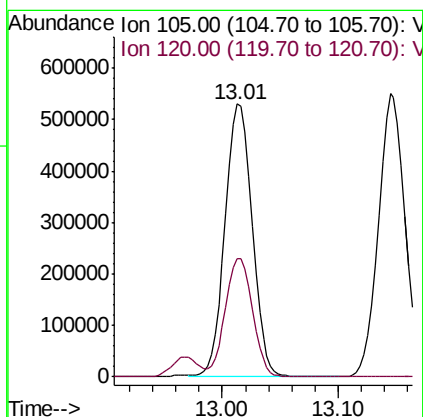
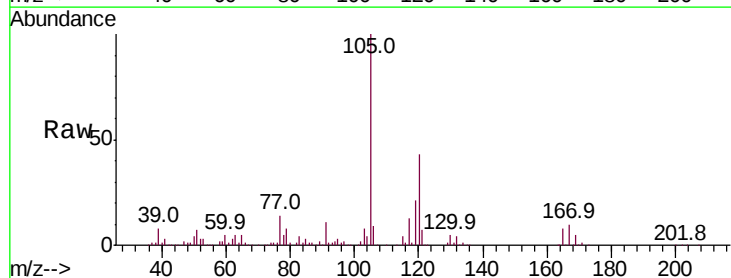
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

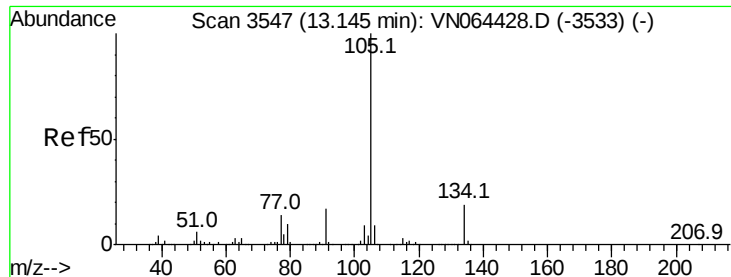
Tot Ion:119 Resp: 655465
Ion Ratio Lower Upper
119 100
91 72.6 36.1 108.3
134 24.3 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 50.814 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion:105 Resp: 858172
Ion Ratio Lower Upper
105 100
120 43.4 21.9 65.7





#85

sec-Butylbenzene

Concen: 53.139 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

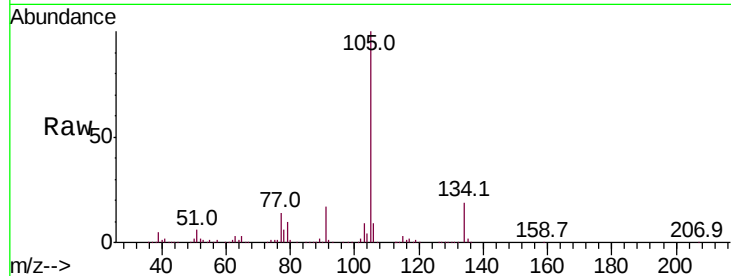
VSTDCCC050

Tot Ion:105 Resp: 883028

Ion Ratio Lower Upper

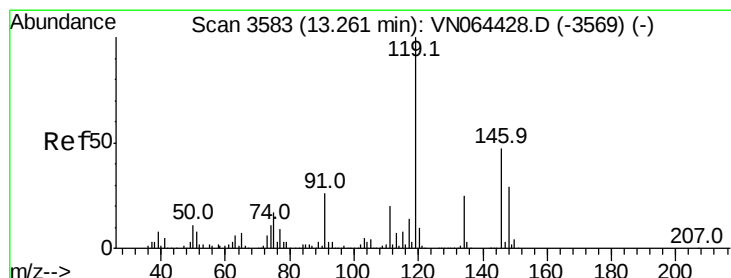
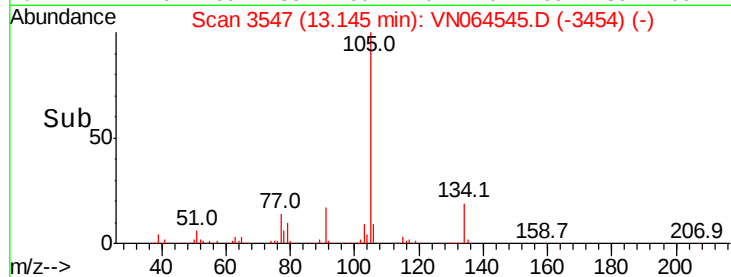
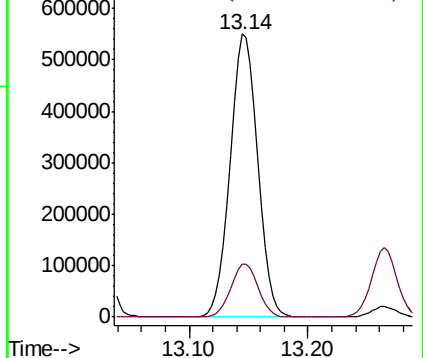
105 100

134 18.7 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.739 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

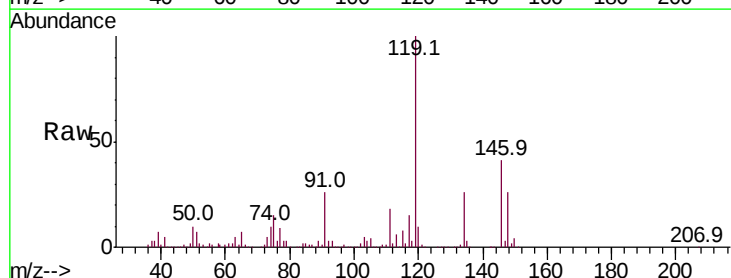
Tgt Ion:119 Resp: 788283

Ion Ratio Lower Upper

119 100

134 25.5 12.6 37.6

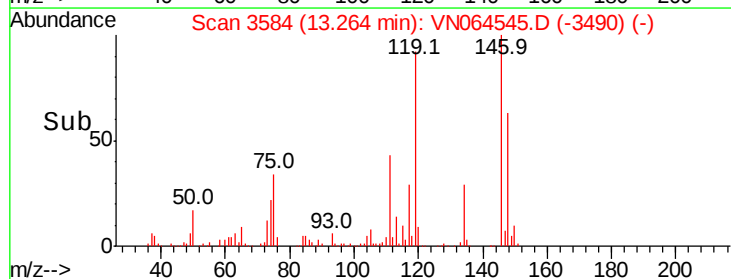
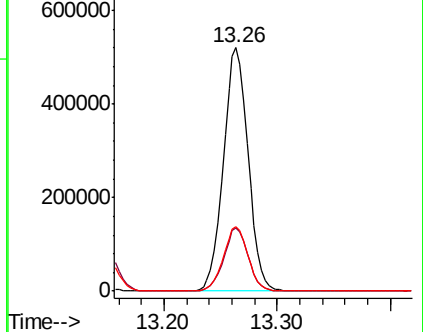
91 26.1 12.8 38.3

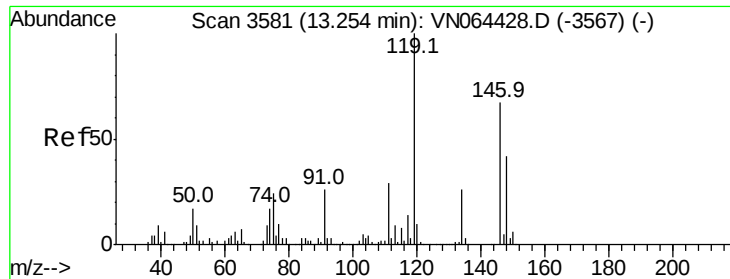


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.400 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

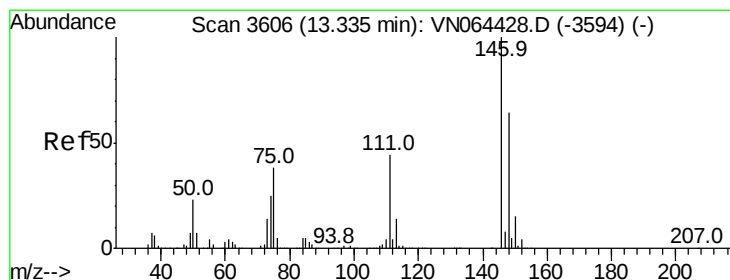
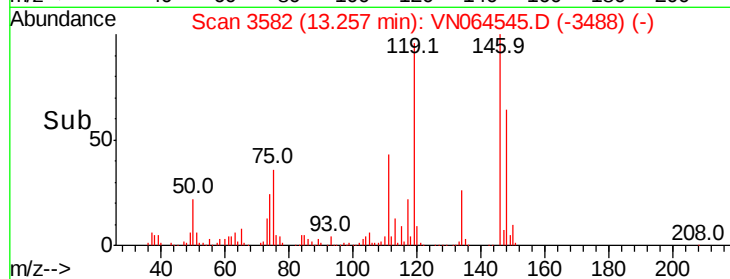
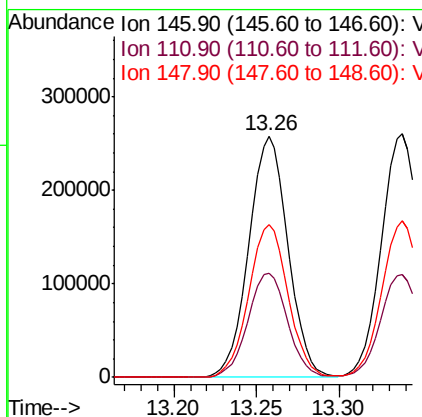
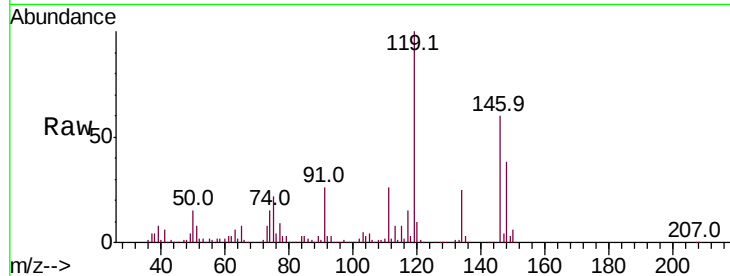
Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 424567

Ion	Ratio	Lower	Upper
146	100		
111	43.6	22.1	66.1
148	63.7	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 48.562 ug/l

RT: 13.34 min Scan# 3607

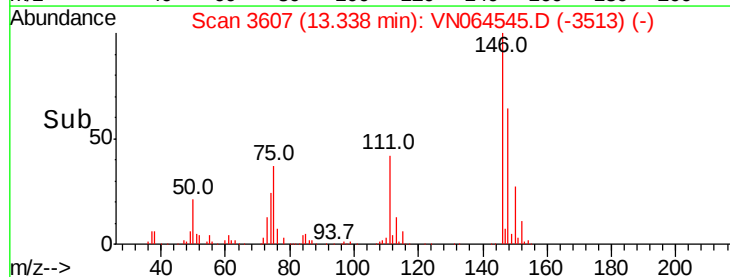
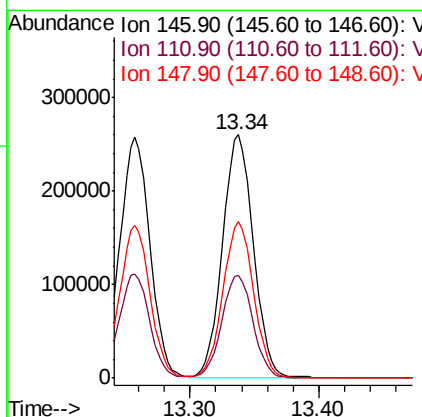
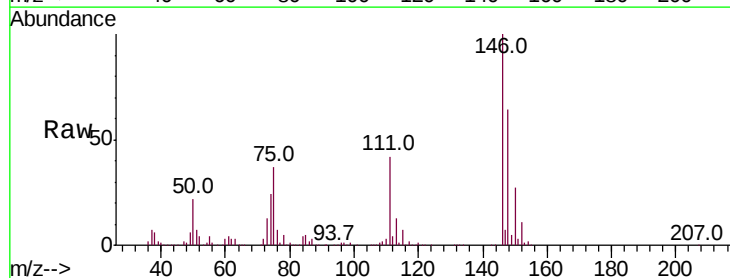
Delta R.T. 0.00 min

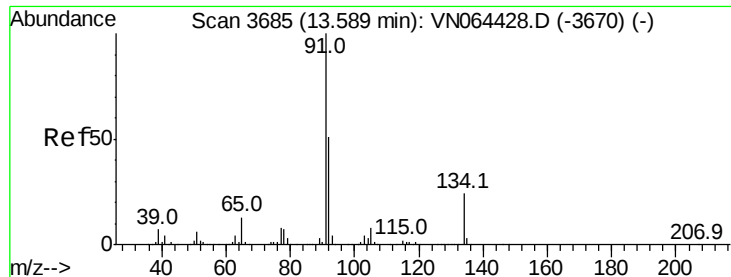
Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Tgt Ion:146 Resp: 431310

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.8	65.3
148	63.7	32.4	97.2

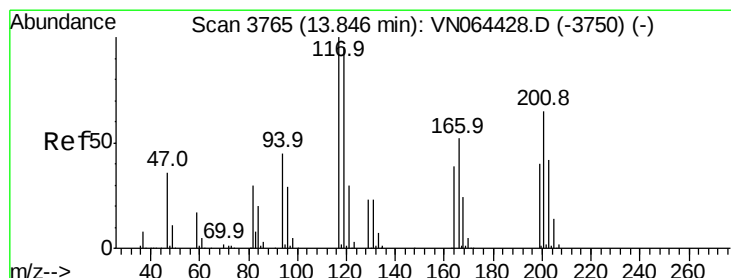
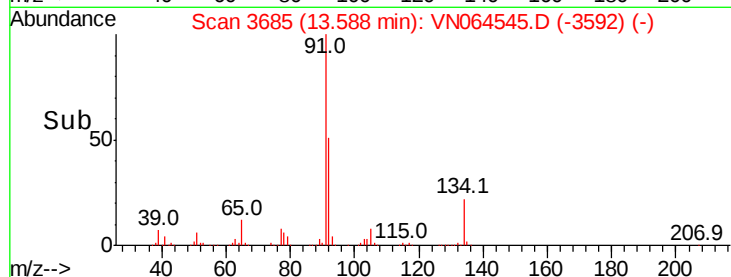
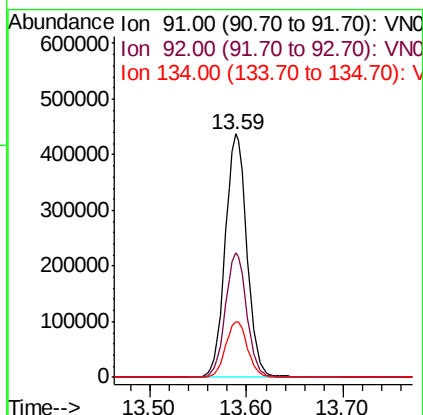
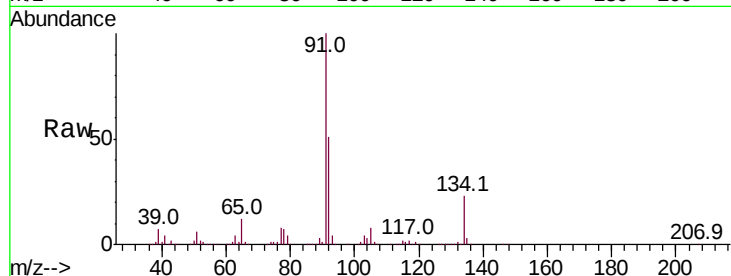




#89
n-Butylbenzene
Concen: 52.832 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

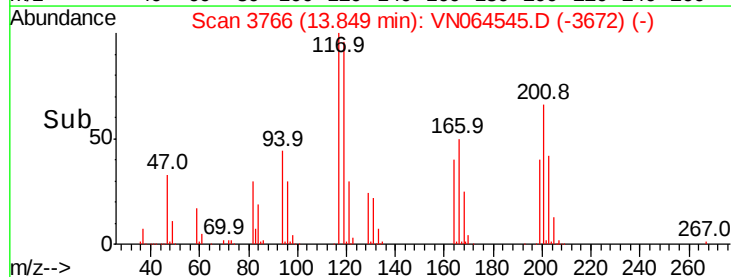
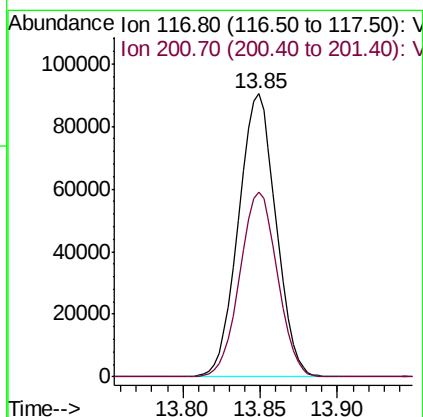
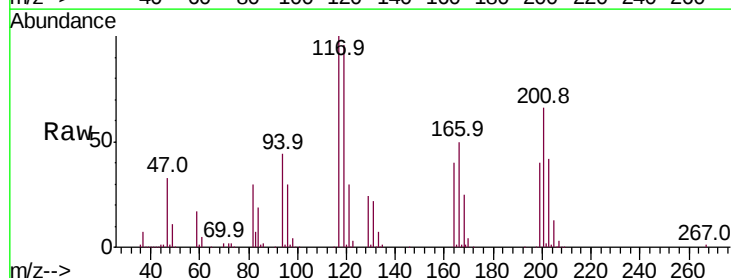
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

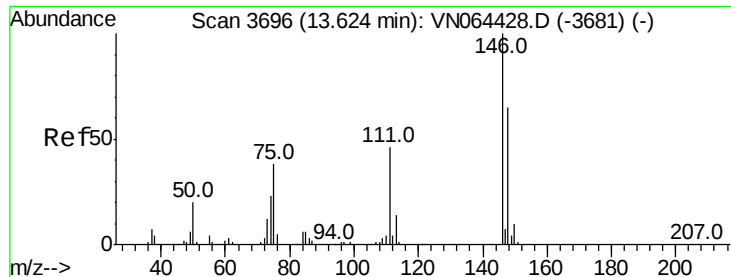
Tot Ion: 91 Resp: 678964
Ion Ratio Lower Upper
91 100
92 50.5 25.3 75.9
134 23.2 11.8 35.4



#90
Hexachloroethane
Concen: 52.934 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN064545.D
Acq: 11 Nov 2020 10:23

Tgt Ion: 117 Resp: 152628
Ion Ratio Lower Upper
117 100
201 65.4 32.5 97.5

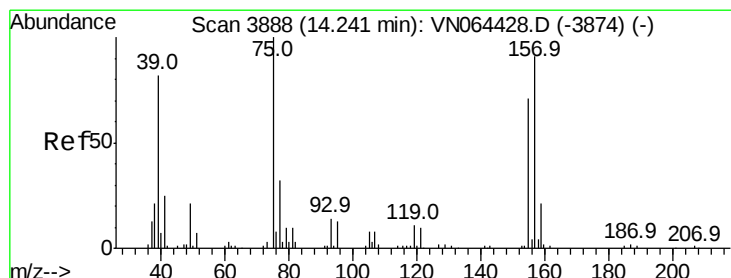
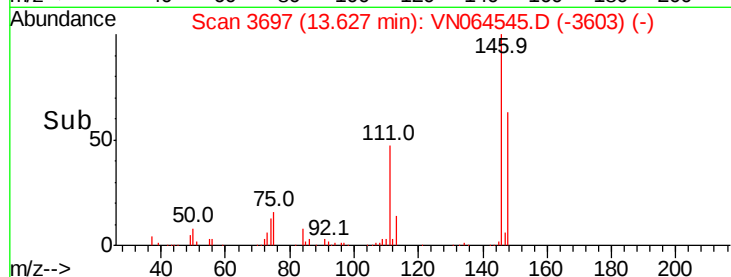
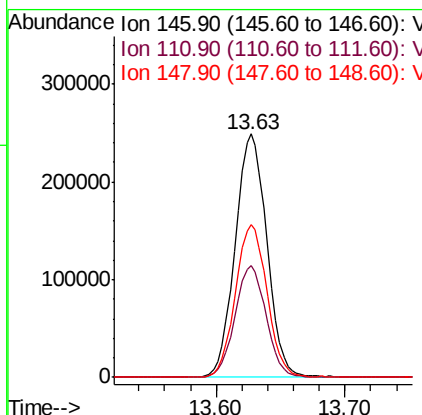
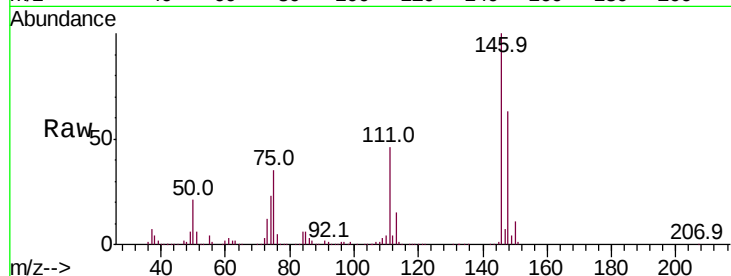




#91
 1,2-Dichlorobenzene
 Concen: 51.384 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

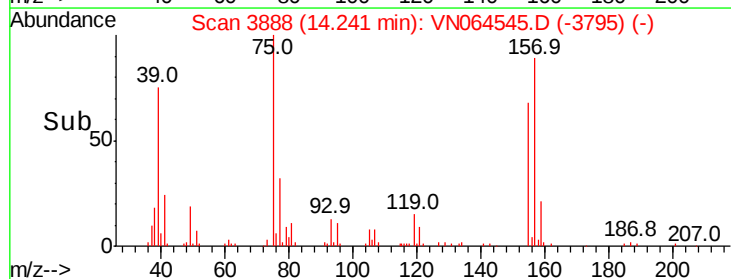
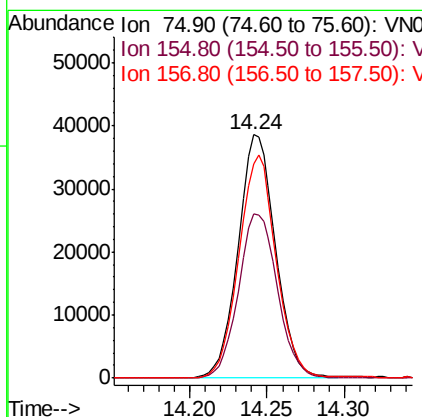
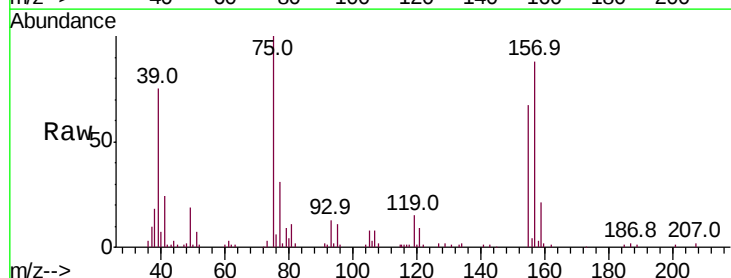
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

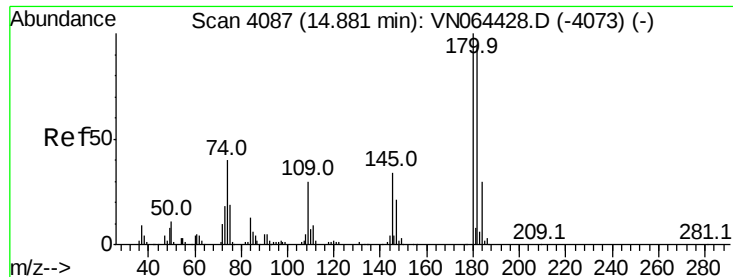
Tot Ion:146 Resp: 424797
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.9 68.7
 148 62.7 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.113 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

Tgt Ion: 75 Resp: 64899
 Ion Ratio Lower Upper
 75 100
 155 70.0 34.6 103.9
 157 91.8 43.0 128.8

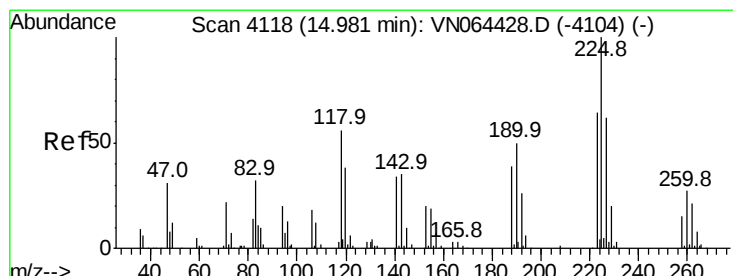
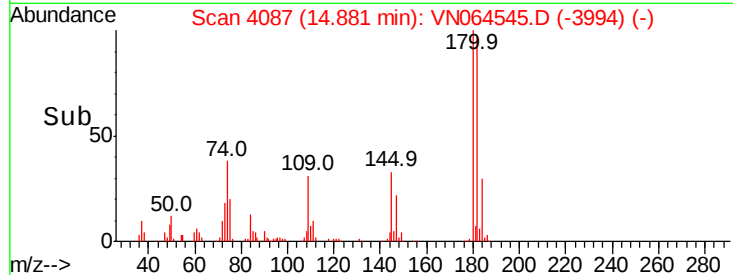
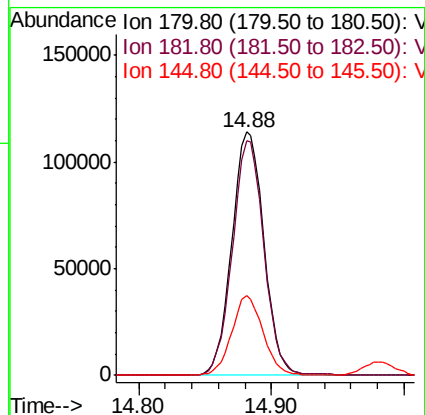
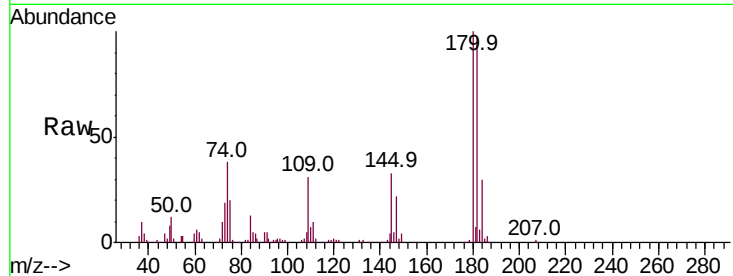




#93
 1,2,4-Trichlorobenzene
 Concen: 46.731 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

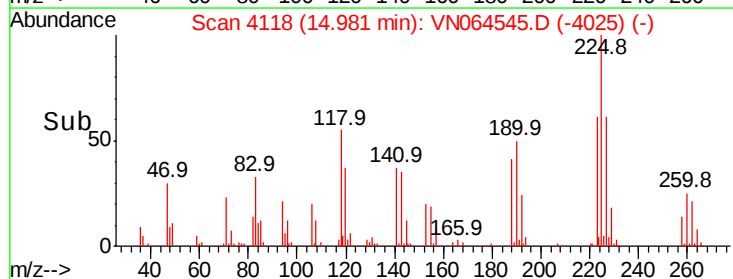
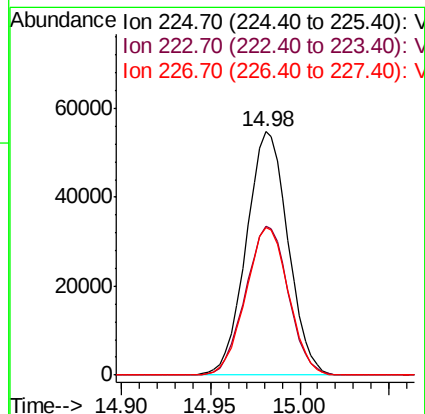
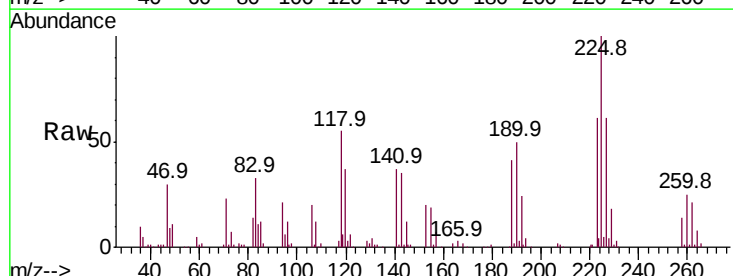
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

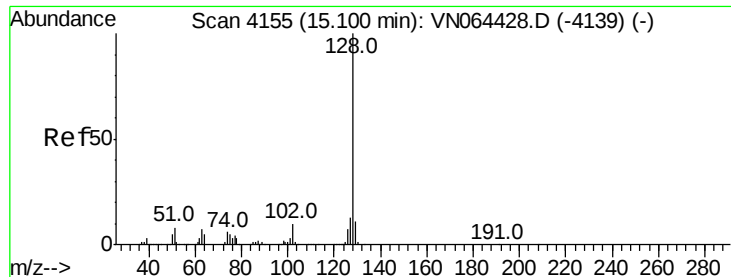
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	142.0
145	32.0	16.7	50.1



#94
 Hexachlorobutadiene
 Concen: 53.140 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064545.D
 Acq: 11 Nov 2020 10:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.8	95.4
227	61.9	31.8	95.4





#95

Naphthalene

Concen: 42.903 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

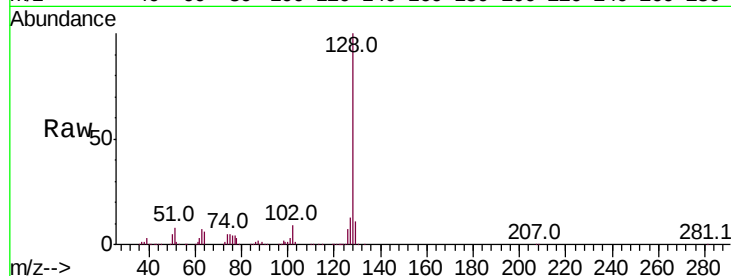
Tot Ion:128 Resp: 595087

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

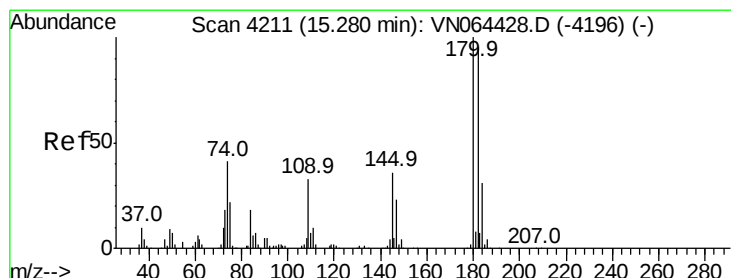
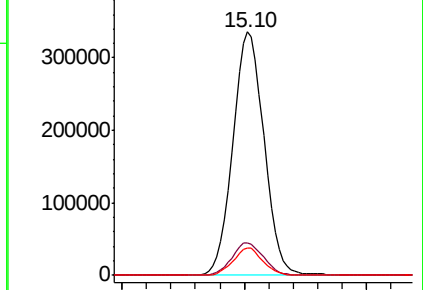
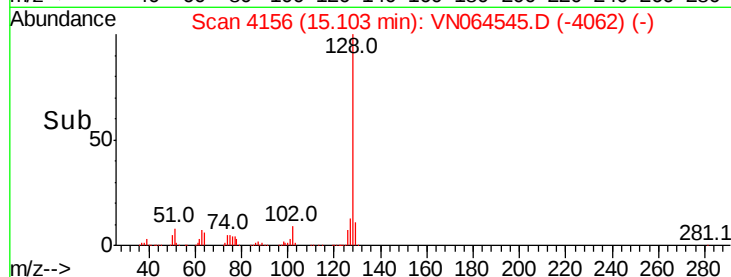
129 10.8 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.434 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064545.D

Acq: 11 Nov 2020 10:23

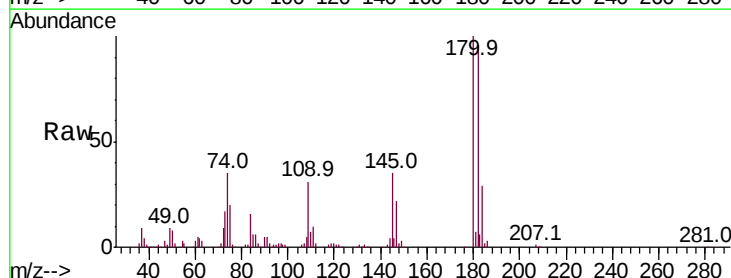
Tgt Ion:180 Resp: 192278

Ion Ratio Lower Upper

180 100

182 94.8 47.7 143.1

145 34.3 18.3 54.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

