

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064822.D
 Acq On : 24 Nov 2020 19:53
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 25 04:07:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	192726	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	307600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	281448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	137075	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	109270	48.77	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	97.54%	
35) Dibromofluoromethane		7.55	113	94605	51.40	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.80%	
50) Toluene-d8		10.06	98	368898	49.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.10%	
62) 4-Bromofluorobenzene		12.37	95	131915	49.01	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	75662	45.298	ug/l	97
3) Chloromethane	2.04	50	95601	44.044	ug/l	97
4) Vinyl Chloride	2.17	62	104580	46.213	ug/l	98
5) Bromomethane	2.53	94	55229	37.199	ug/l	98
6) Chloroethane	2.67	64	65665	46.915	ug/l	98
7) Trichlorofluoromethane	2.99	101	146187	46.733	ug/l	97
8) Diethyl Ether	3.37	74	59675	48.329	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	88153	46.977	ug/l	99
10) Methyl Iodide	3.91	142	64760	26.606	ug/l	100
11) Tert butyl alcohol	4.74	59	78853	225.667	ug/l	98
12) 1,1-Dichloroethene	3.69	96	89342	47.805	ug/l	97
13) Acrolein	3.57	56	38507	180.417	ug/l	97
14) Allyl chloride	4.27	41	145499	47.203	ug/l	99
15) Acrylonitrile	4.93	53	231981	240.323	ug/l	100
16) Acetone	3.78	43	179898	244.248	ug/l	99
17) Carbon Disulfide	4.01	76	230444	47.757	ug/l	99
18) Methyl Acetate	4.28	43	105420	47.605	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	300611	50.153	ug/l	98
20) Methylene Chloride	4.50	84	105366	45.653	ug/l	99
21) trans-1,2-Dichloroethene	4.99	96	96580	46.536	ug/l	99
22) Diisopropyl ether	5.91	45	311302	50.457	ug/l	99
23) Vinyl Acetate	5.85	43	1271535	257.723	ug/l	100
24) 1,1-Dichloroethane	5.80	63	181416	49.202	ug/l	99
25) 2-Butanone	6.79	43	298981	250.411	ug/l	97
26) 2,2-Dichloropropane	6.78	77	140299	43.872	ug/l	99
27) cis-1,2-Dichloroethene	6.78	96	112728	48.271	ug/l	99
28) Bromochloromethane	7.15	49	82365	48.829	ug/l	98
29) Tetrahydrofuran	7.17	42	200353	243.093	ug/l	100
30) Chloroform	7.33	83	184178	48.437	ug/l	98
31) Cyclohexane	7.61	56	147621	47.272	ug/l	96
32) 1,1,1-Trichloroethane	7.53	97	156749	47.998	ug/l	99
36) 1,1-Dichloropropene	7.75	75	137980	48.395	ug/l	99
37) Ethyl Acetate	6.89	43	127106	46.281	ug/l	98
38) Carbon Tetrachloride	7.73	117	139686	47.086	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	151917	49.496	ug/l	98
40) Benzene	8.00	78	413590	47.338	ug/l	98
41) Methacrylonitrile	7.13	41	61279	48.356	ug/l	89
42) 1,2-Dichloroethane	8.09	62	135240	45.885	ug/l	100
43) Isopropyl Acetate	8.13	43	205493	46.499	ug/l #	90
44) Trichloroethene	8.80	130	116789	45.305	ug/l	98
45) 1,2-Dichloropropane	9.08	63	111186	49.141	ug/l	99
46) Dibromomethane	9.17	93	72740	48.123	ug/l	98
47) Bromodichloromethane	9.37	83	145887	47.967	ug/l	99
48) Methyl methacrylate	9.17	41	102512	48.545	ug/l	99
49) 1,4-Dioxane	9.17	88	36486	914.166	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	639183	240.917	ug/l	99
52) Toluene	10.12	92	259689	48.265	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	160836	47.479	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	175284	48.274	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	105259	47.574	ug/l	96
56) Ethyl methacrylate	10.40	69	154187	50.500	ug/l	99
57) 1,3-Dichloropropane	10.68	76	175847	48.181	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	423768	252.321	ug/l	100
59) 2-Hexanone	10.72	43	464816	243.434	ug/l	99
60) Dibromochloromethane	10.87	129	117905	47.940	ug/l	99
61) 1,2-Dibromoethane	10.98	107	108603	48.314	ug/l	100
64) Tetrachloroethene	10.60	164	112466	41.073	ug/l	95
65) Chlorobenzene	11.40	112	288734	47.772	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	107193	48.259	ug/l	99
67) Ethyl Benzene	11.48	91	494549	48.980	ug/l	99
68) m/p-Xylenes	11.59	106	382578	100.079	ug/l	99
69) o-Xylene	11.92	106	181982	50.166	ug/l	98
70) Styrene	11.94	104	317209	51.798	ug/l	98
71) Bromoform	12.10	173	82401	46.447	ug/l #	99
73) Isopropylbenzene	12.22	105	490239	51.417	ug/l	100
74) N-amyl acetate	12.04	43	184276	49.112	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	139671	49.979	ug/l	99
76) 1,2,3-Trichloropropane	12.53	75	191438	64.850	ug/l #	100
77) Bromobenzene	12.50	156	122477	47.647	ug/l	99
78) n-propylbenzene	12.56	91	542449	49.941	ug/l	98
79) 2-Chlorotoluene	12.65	91	327638	48.799	ug/l	99
80) 1,3,5-Trimethylbenzene	12.70	105	414631	52.319	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	47763	44.345	ug/l	98
82) 4-Chlorotoluene	12.75	91	339300	48.212	ug/l	99
83) tert-Butylbenzene	12.97	119	351982	52.987	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	416340	51.959	ug/l	100
85) sec-Butylbenzene	13.14	105	454715	51.556	ug/l	100
86) p-Isopropyltoluene	13.26	119	424987	52.926	ug/l	99
87) 1,3-Dichlorobenzene	13.25	146	218993	47.952	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	215806	44.683	ug/l	98
89) n-Butylbenzene	13.59	91	349703	49.591	ug/l	99
90) Hexachloroethane	13.85	117	71541	51.286	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	213104	47.523	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30166	47.973	ug/l	96

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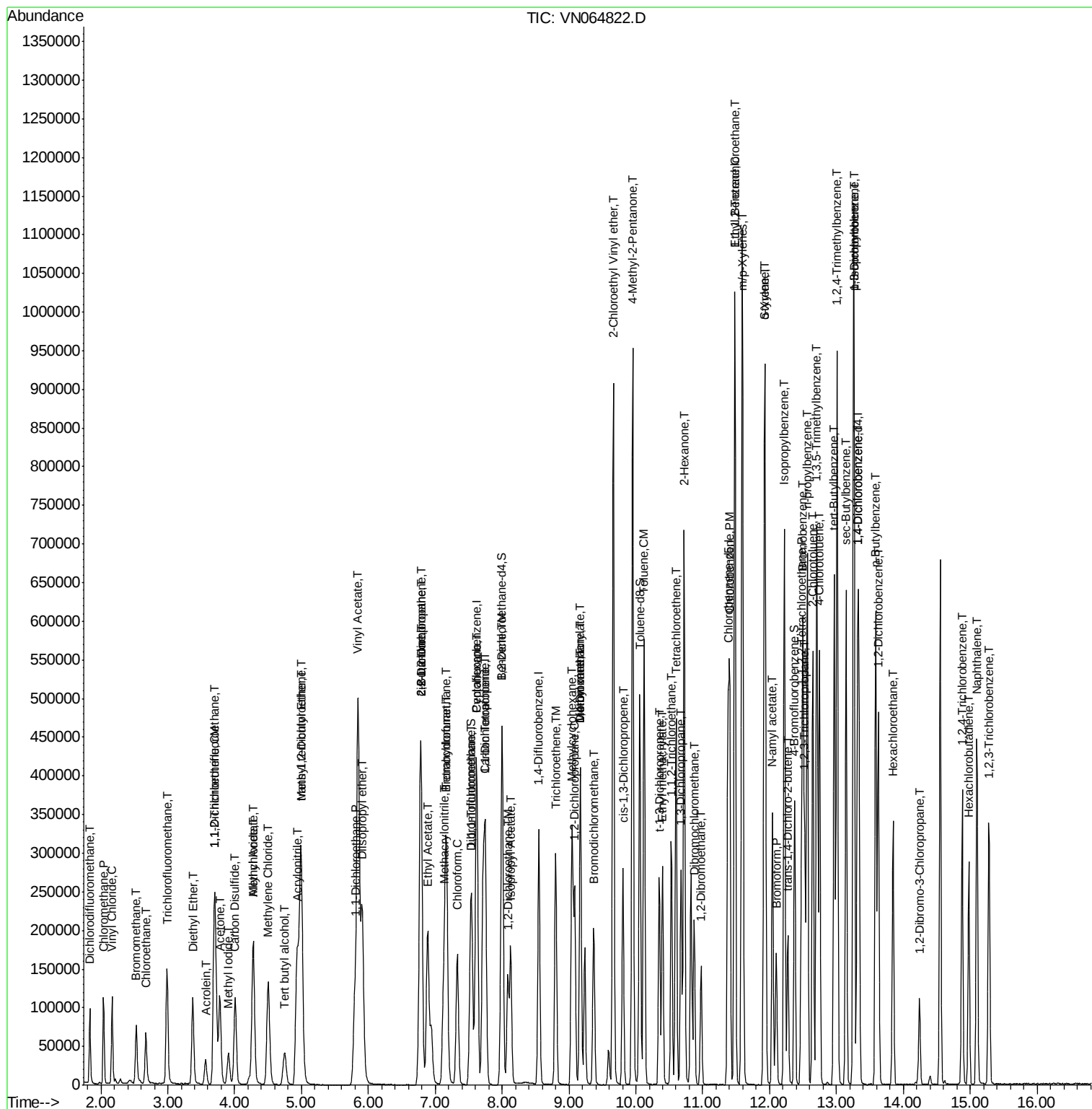
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	125177	45.125	ug/l	100
94) Hexachlorobutadiene	14.98	225	57618	46.154	ug/l	99
95) Naphthalene	15.10	128	388449	46.742	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	123417	46.906	ug/l	99

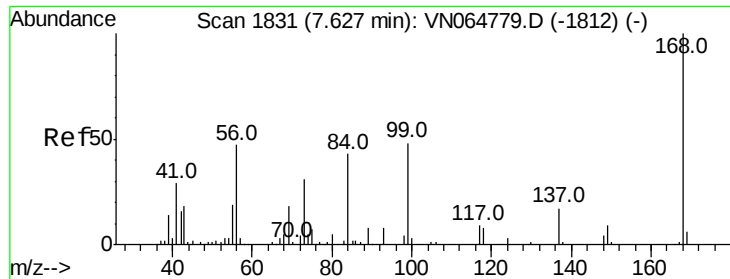
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

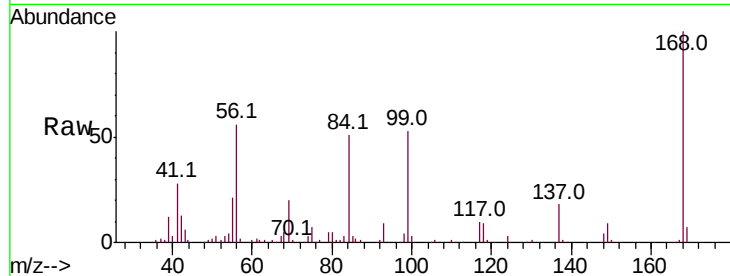
VSTDCCC050EC

Tot Ion:168 Resp: 192726

Ion Ratio Lower Upper

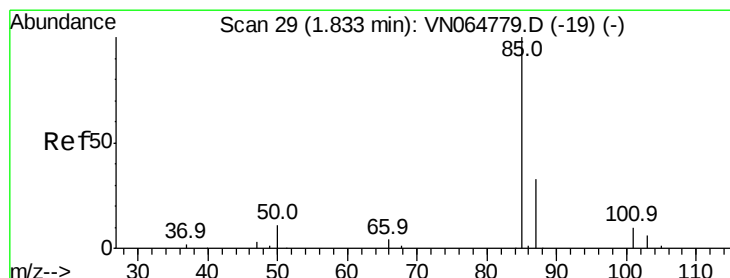
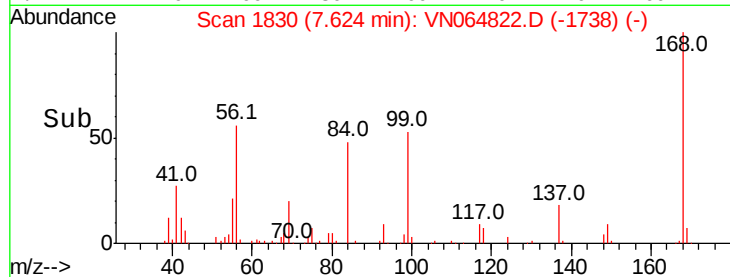
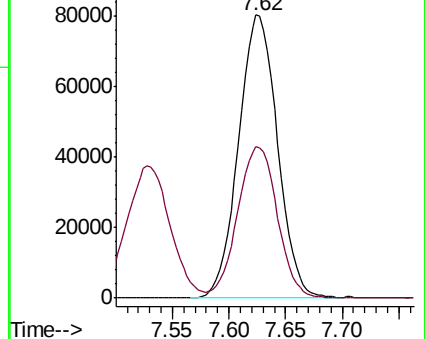
168 100

99 53.4 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 45.298 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN064822.D

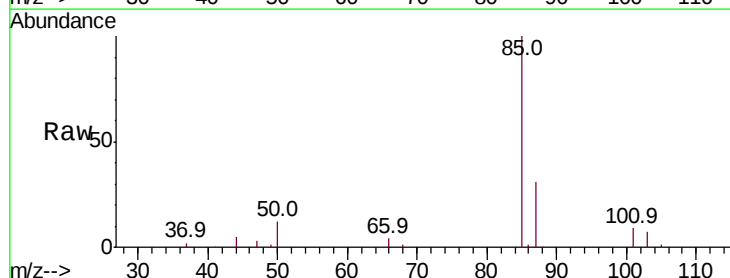
Acq: 24 Nov 2020 19:53

Tgt Ion: 85 Resp: 75662

Ion Ratio Lower Upper

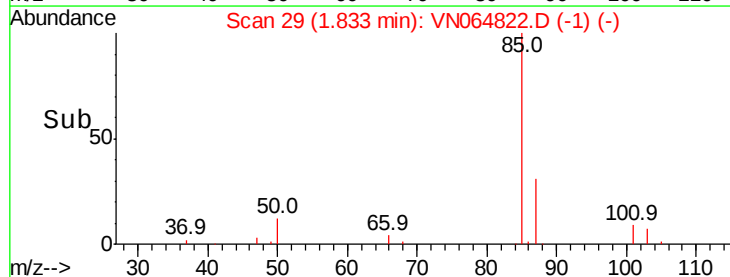
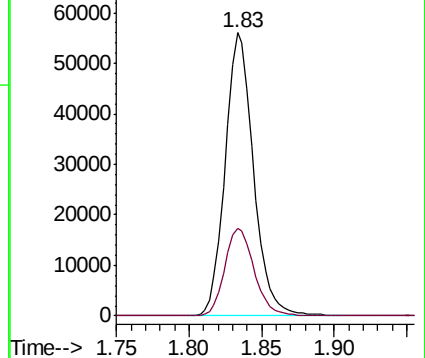
85 100

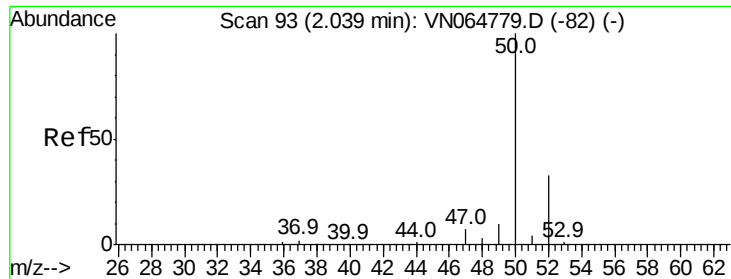
87 31.0 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 44.044 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

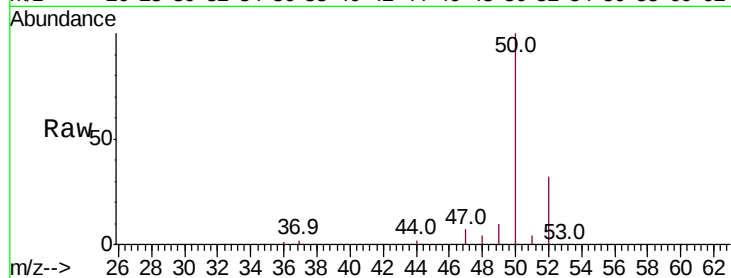
VSTDCCC050EC

Tot Ion: 50 Resp: 95601

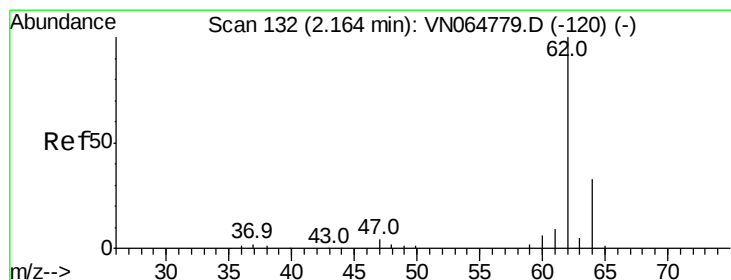
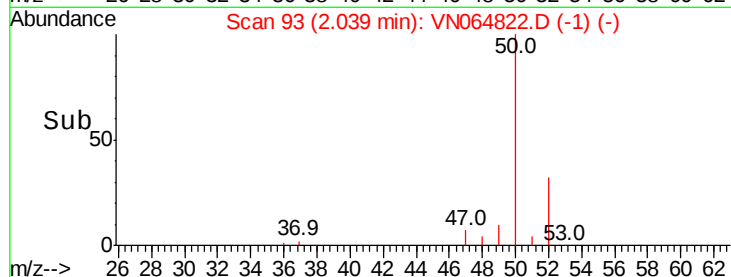
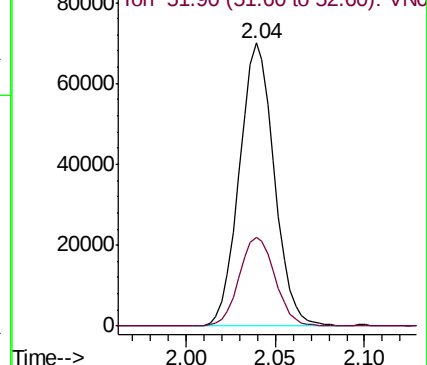
Ion Ratio Lower Upper

50 100

52 31.5 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.213 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064822.D

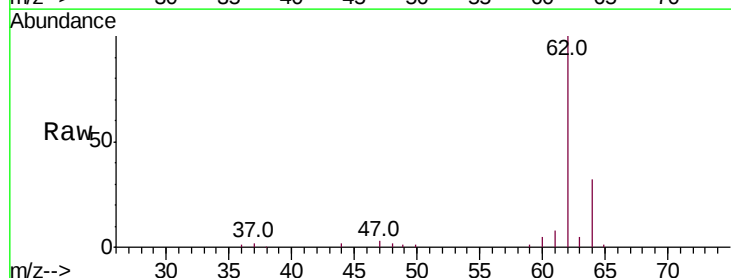
Acq: 24 Nov 2020 19:53

Tgt Ion: 62 Resp: 104580

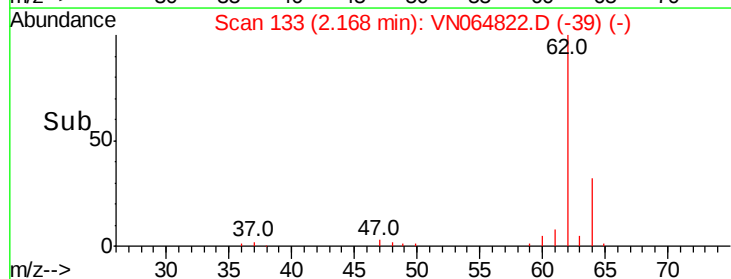
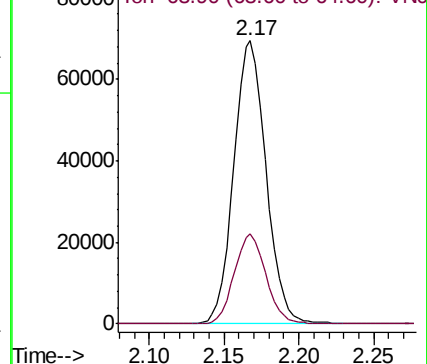
Ion Ratio Lower Upper

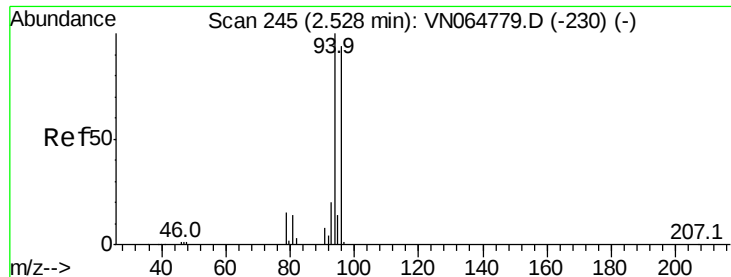
62 100

64 31.9 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 37.199 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

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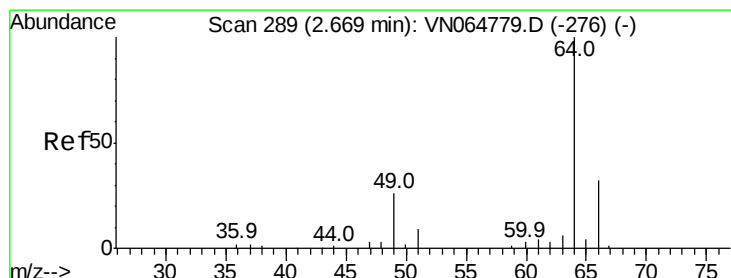
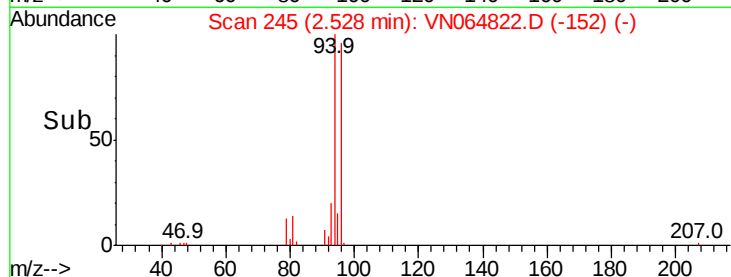
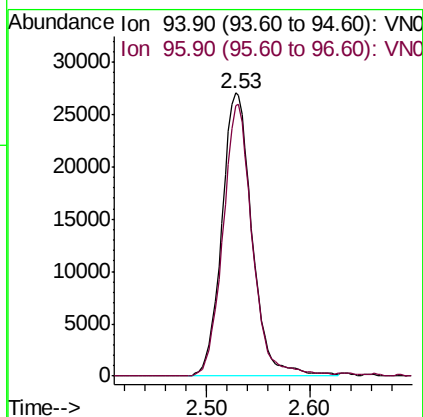
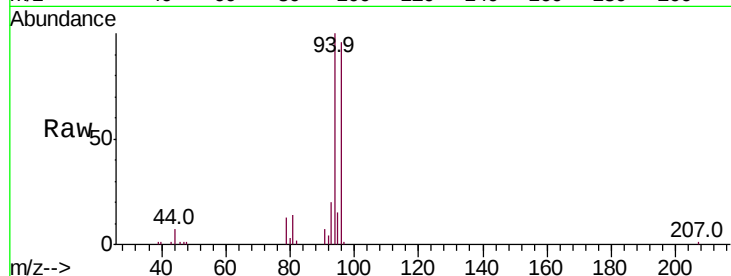
VSTDCCC050EC

Tot Ion: 94 Resp: 55229

Ion Ratio Lower Upper

94 100

96 95.7 75.4 113.0



#6

Chloroethane

Concen: 46.915 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064822.D

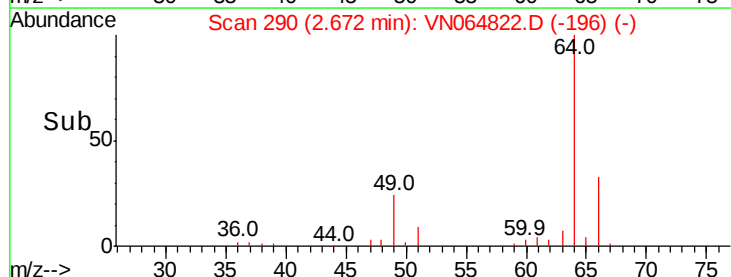
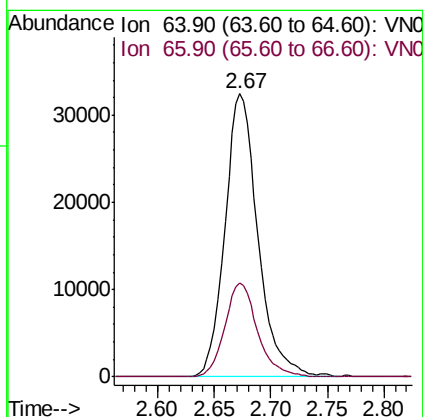
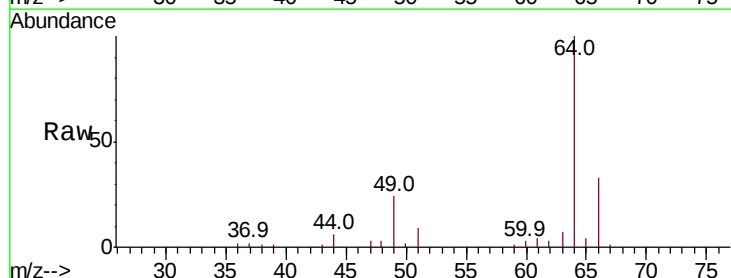
Acq: 24 Nov 2020 19:53

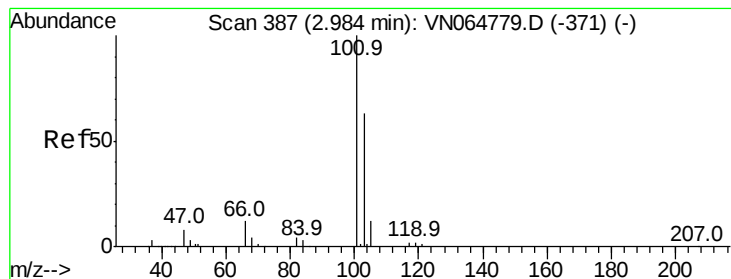
Tgt Ion: 64 Resp: 65665

Ion Ratio Lower Upper

64 100

66 33.2 25.6 38.4



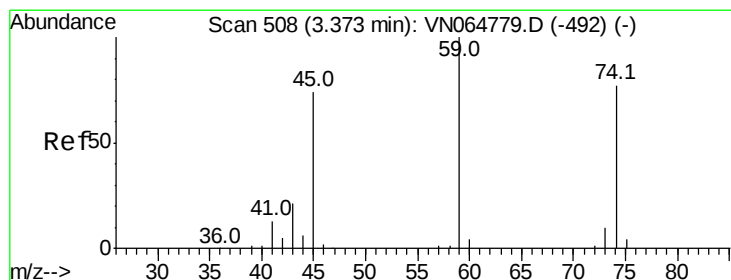
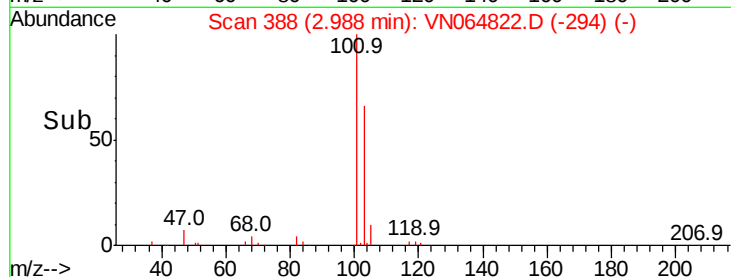
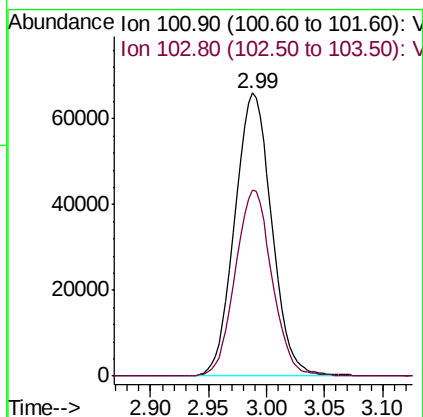
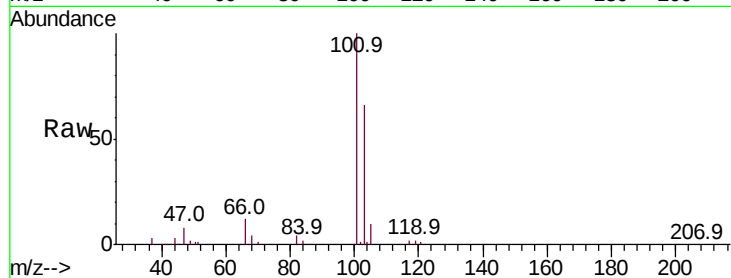


#7

Trichlorofluoromethane
Concen: 46.733 ug/l
RT: 2.99 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN064822.D
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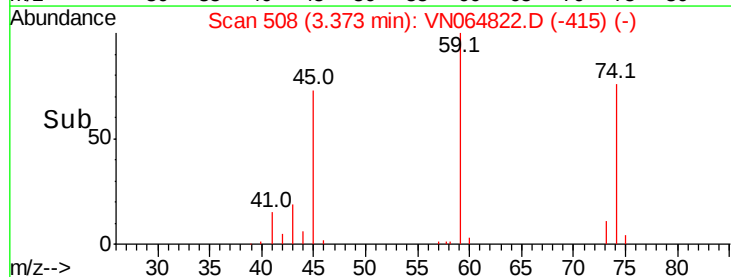
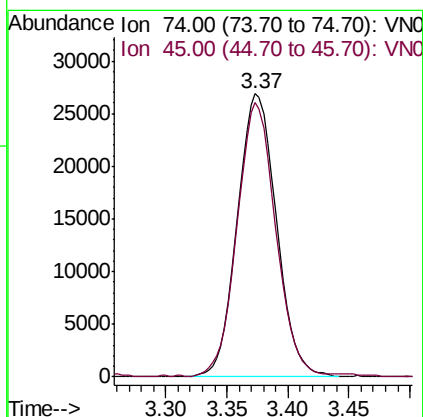
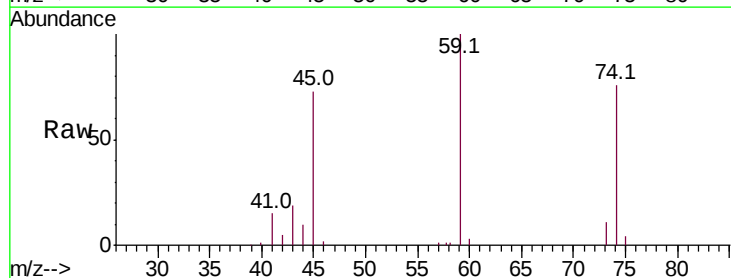
Tot Ion:101 Resp: 146187
Ion Ratio Lower Upper
101 100
103 65.8 50.5 75.7

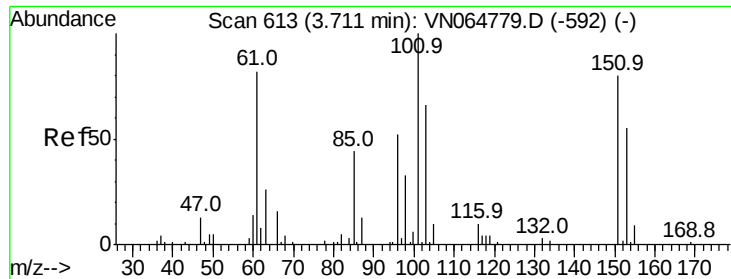


#8

Diethyl Ether
Concen: 48.329 ug/l
RT: 3.37 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 74 Resp: 59675
Ion Ratio Lower Upper
74 100
45 96.1 48.9 146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.977 ug/l

RT: 3.71 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN064822.D

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MSVOA_N

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VSTDCCC050EC

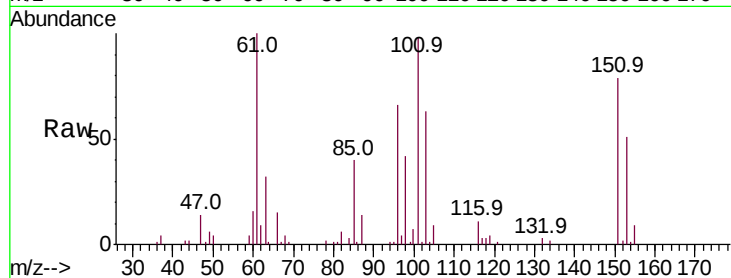
Tot Ion:101 Resp: 88153

Ion Ratio Lower Upper

101 100

85 41.4 34.4 51.6

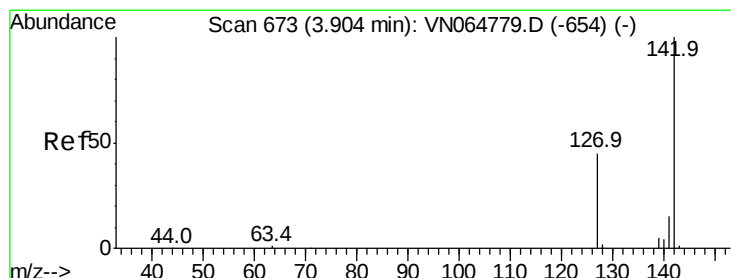
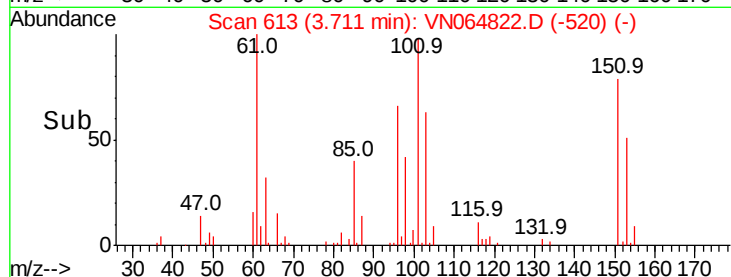
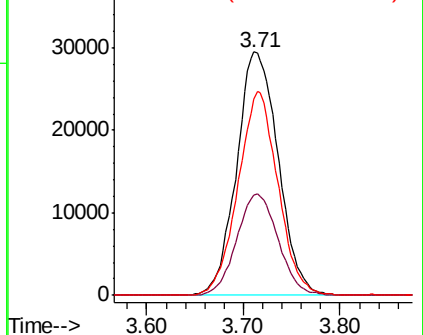
151 80.2 64.0 96.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 26.606 ug/l

RT: 3.91 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

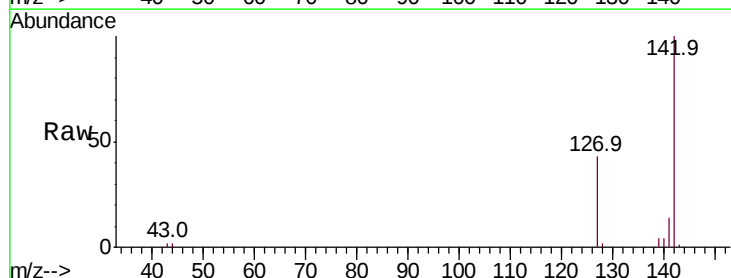
Tgt Ion:142 Resp: 64760

Ion Ratio Lower Upper

142 100

127 43.7 35.0 52.6

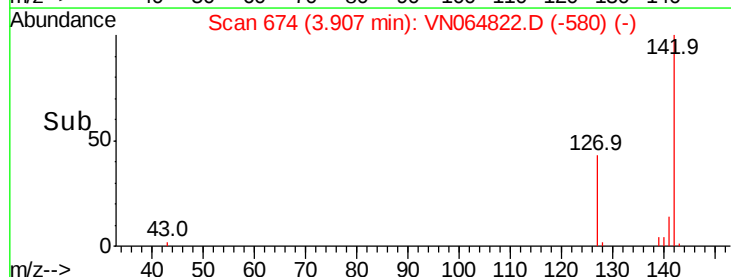
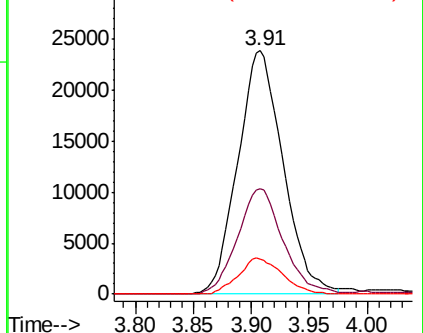
141 14.2 11.8 17.6

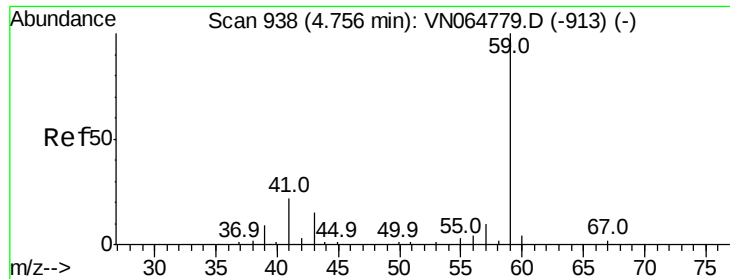


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

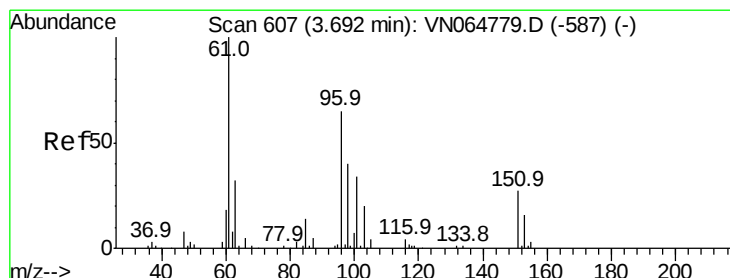
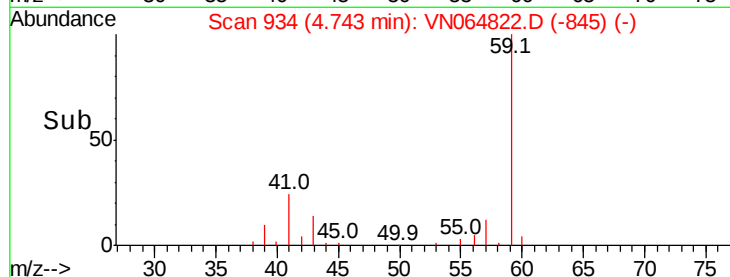
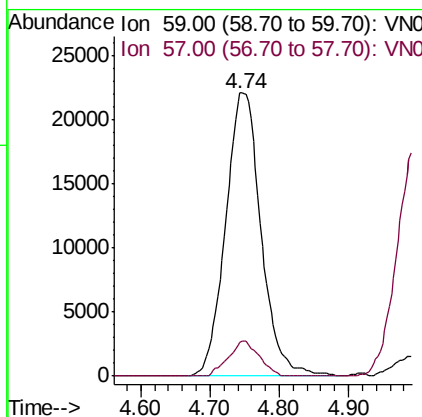
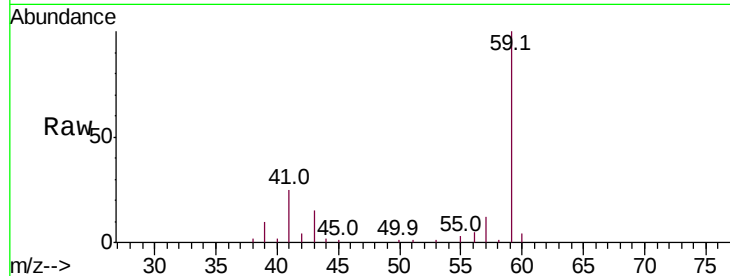




#11
Tert butyl alcohol
Concen: 225.667 ug/l
RT: 4.74 min Scan# 934
Delta R.T. -0.01 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

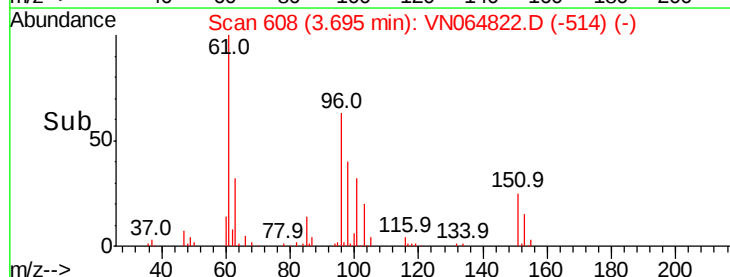
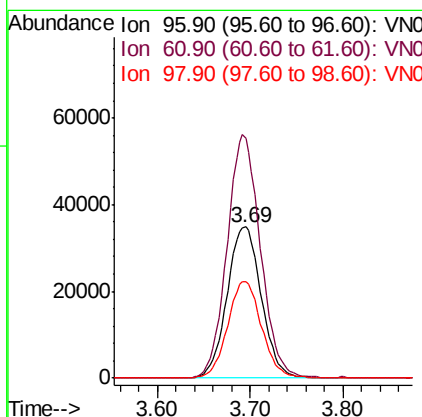
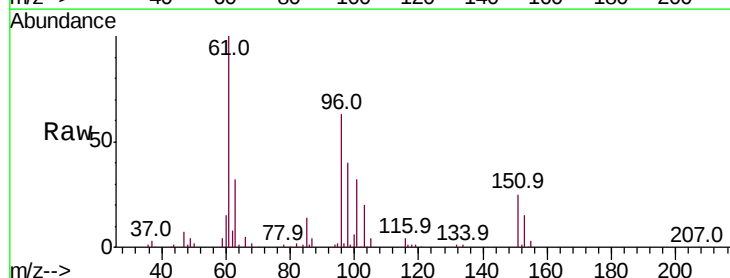
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

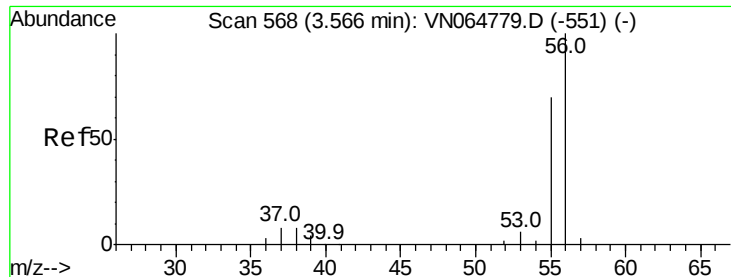
Tot Ion: 59 Resp: 78853
Ion Ratio Lower Upper
59 100
57 10.8 7.9 11.9



#12
1,1-Dichloroethene
Concen: 47.805 ug/l
RT: 3.69 min Scan# 608
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 96 Resp: 89342
Ion Ratio Lower Upper
96 100
61 158.5 123.4 185.2
98 63.5 49.8 74.8





#13

Acrolein

Concen: 180.417 ug/l

RT: 3.57 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

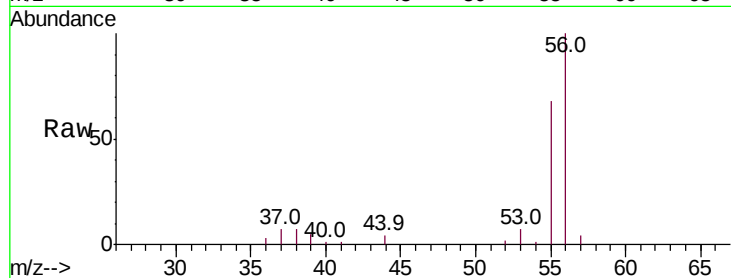
VSTDCCC050EC

Tot Ion: 56 Resp: 38507

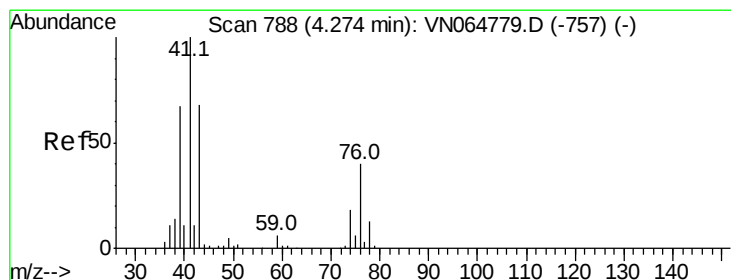
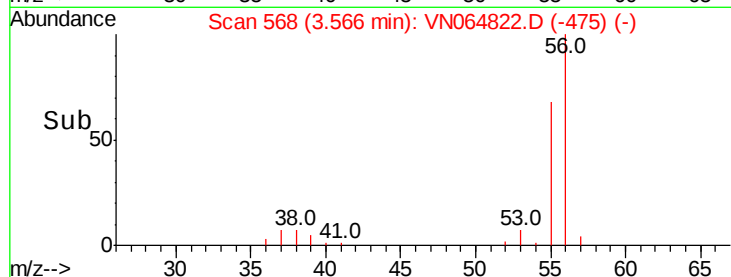
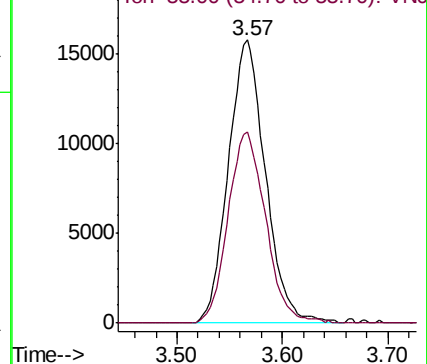
Ion Ratio Lower Upper

56 100

55 68.1 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 47.203 ug/l

RT: 4.27 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

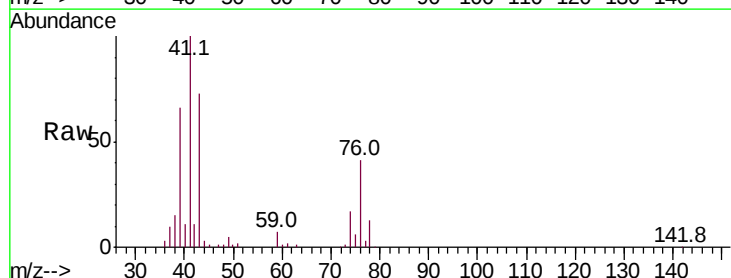
Tgt Ion: 41 Resp: 145499

Ion Ratio Lower Upper

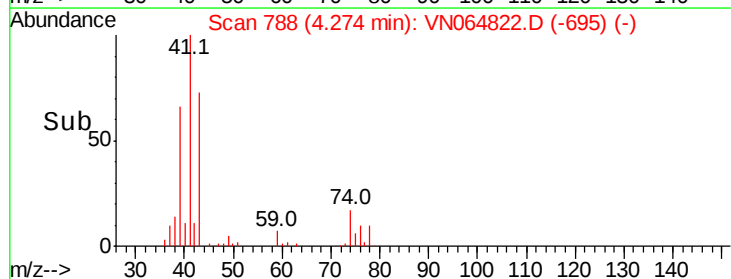
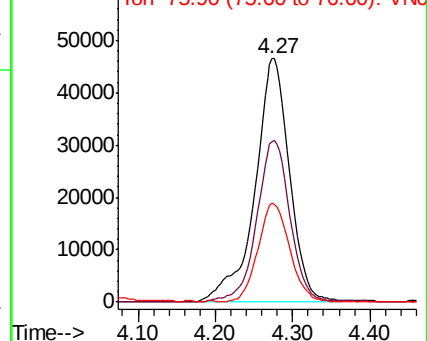
41 100

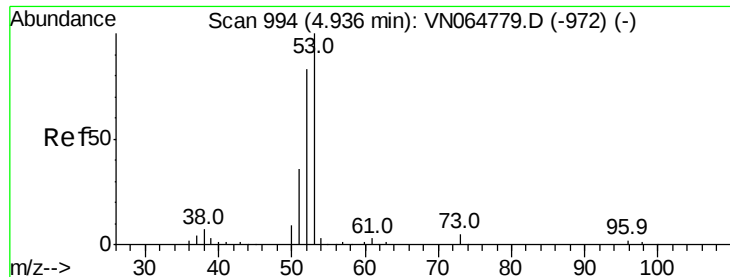
39 63.5 50.9 76.3

76 37.4 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 240.323 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

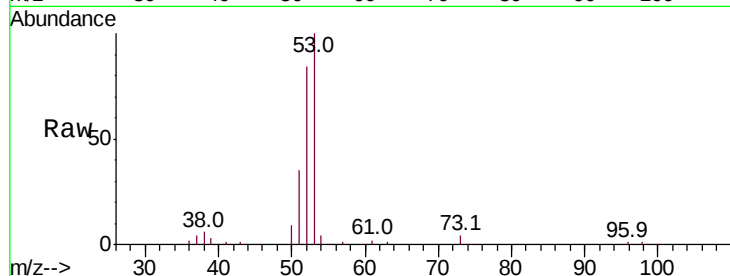
Tot Ion: 53 Resp: 231981

Ion Ratio Lower Upper

53 100

52 81.9 65.5 98.3

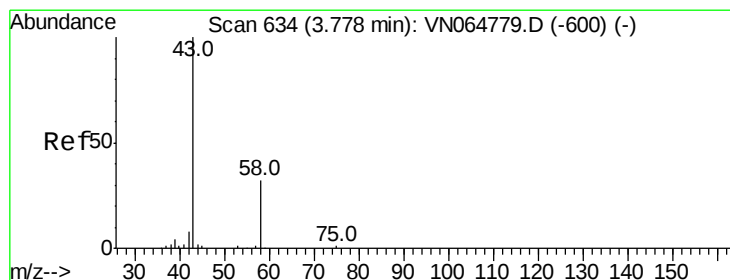
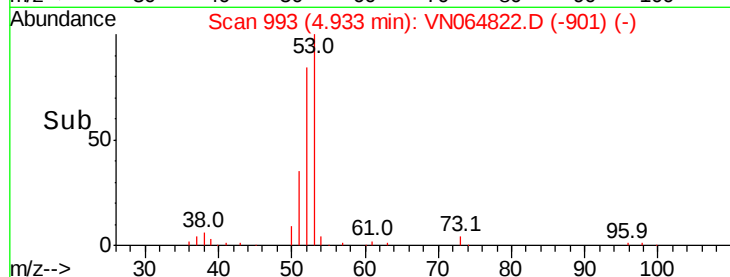
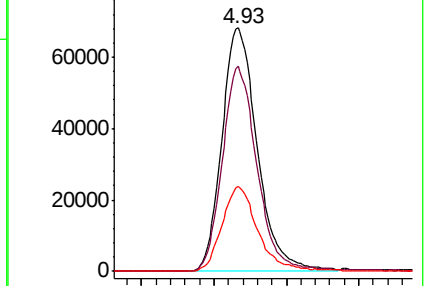
51 34.9 28.6 43.0



Abundance Ion 53.00 (52.70 to 53.70): VN064779.D (-972) (-)

Ion 52.00 (51.70 to 52.70): VN064779.D (-972) (-)

Ion 51.00 (50.70 to 51.70): VN064779.D (-972) (-)



#16

Acetone

Concen: 244.248 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN064822.D

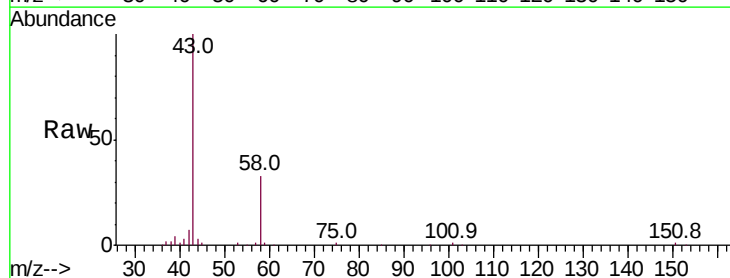
Acq: 24 Nov 2020 19:53

Tgt Ion: 43 Resp: 179898

Ion Ratio Lower Upper

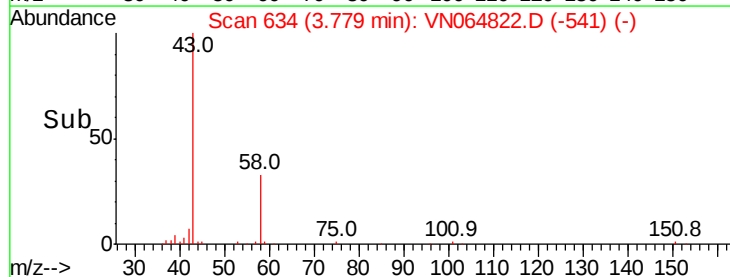
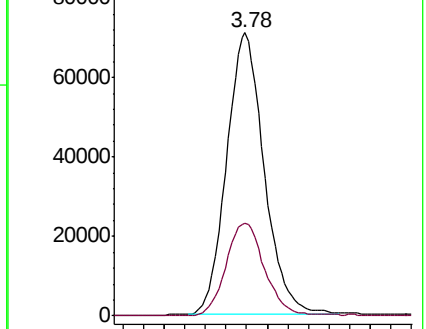
43 100

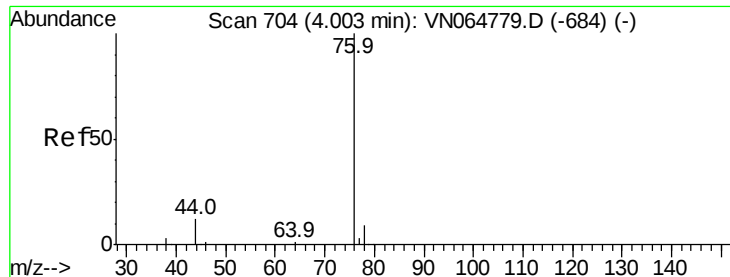
58 32.7 25.7 38.5



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-600) (-)

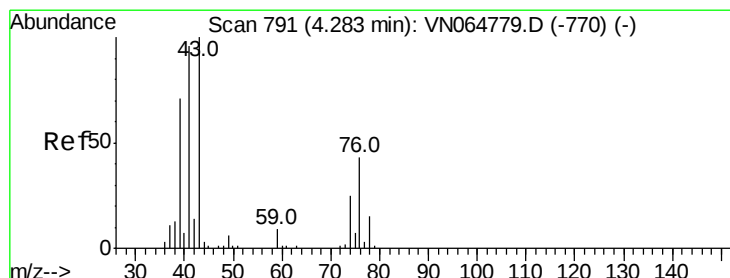
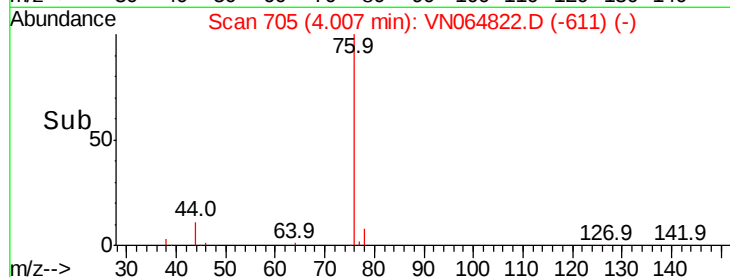
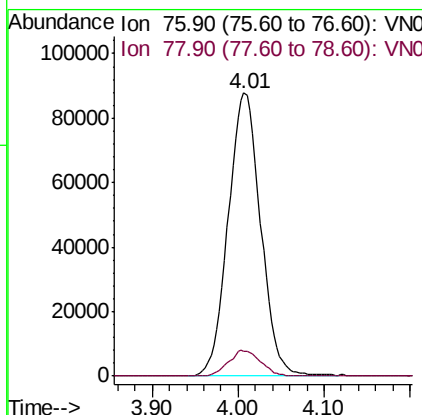
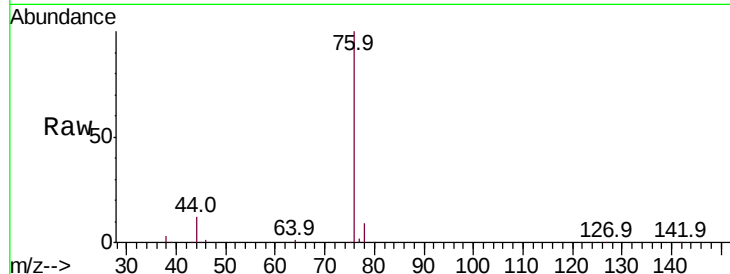




#17
Carbon Disulfide
Concen: 47.757 ug/l
RT: 4.01 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

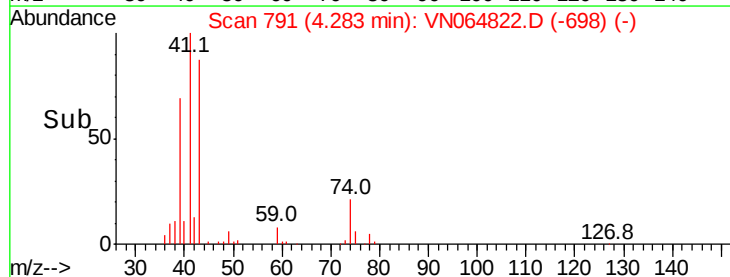
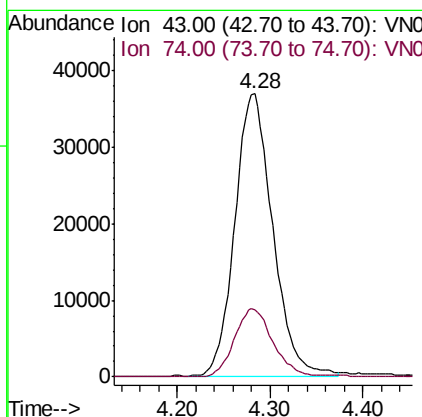
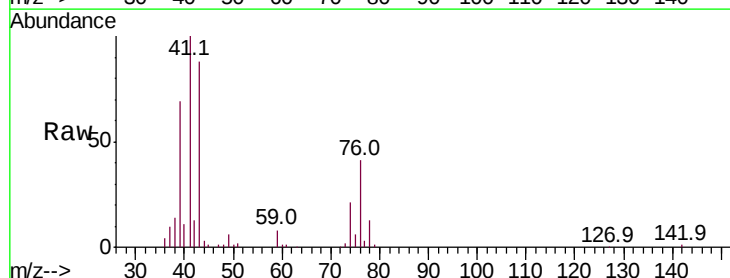
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

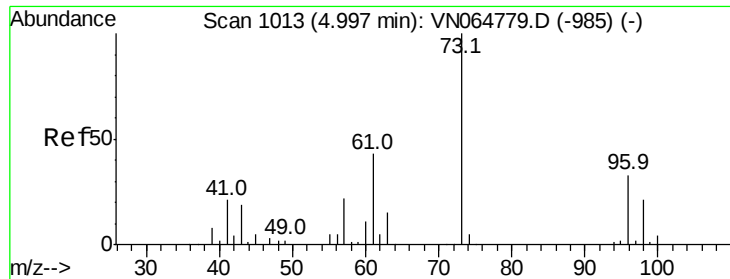
Tot Ion: 76 Resp: 230444
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 47.605 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 43 Resp: 105420
Ion Ratio Lower Upper
43 100
74 24.6 20.2 30.2

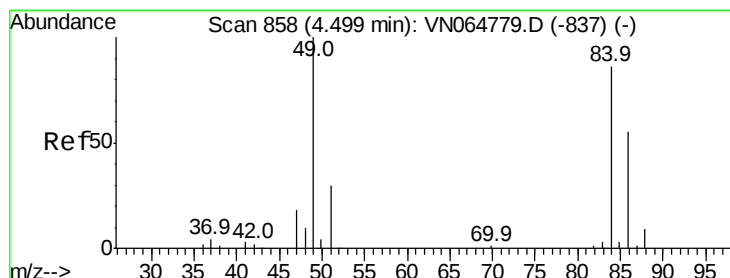
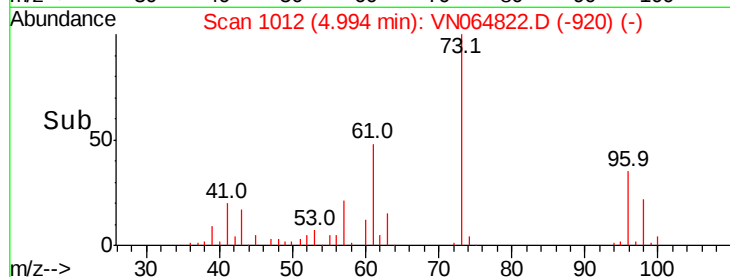
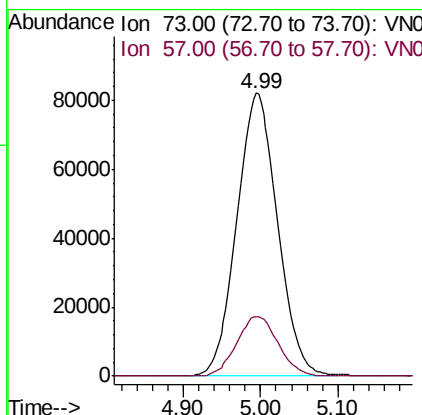
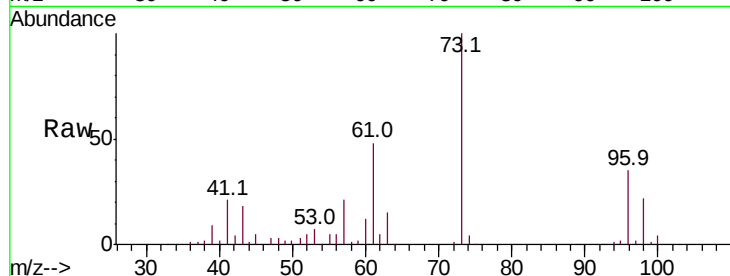




#19
Methvl tert-butvl Ether
Concen: 50.153 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

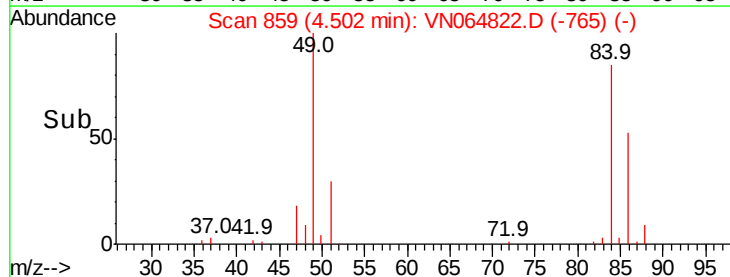
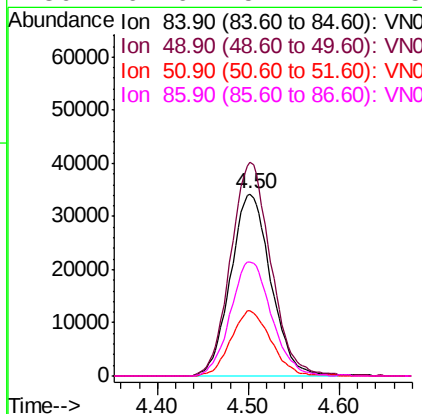
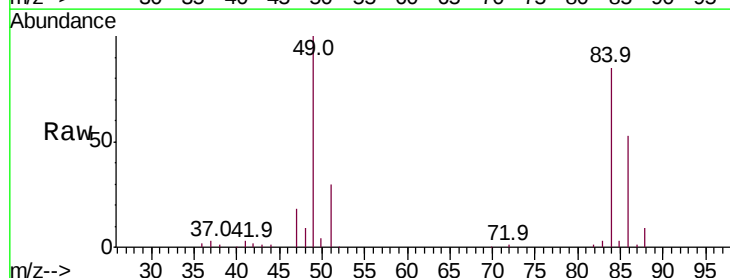
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

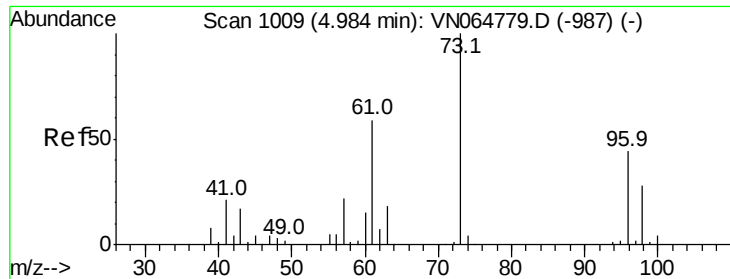
Tot Ion: 73 Resp: 300611
Ion Ratio Lower Upper
73 100
57 21.0 17.4 26.0



#20
Methylene Chloride
Concen: 45.653 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 84 Resp: 105366
Ion Ratio Lower Upper
84 100
49 117.5 93.4 140.0
51 35.8 28.2 42.4
86 62.6 51.7 77.5

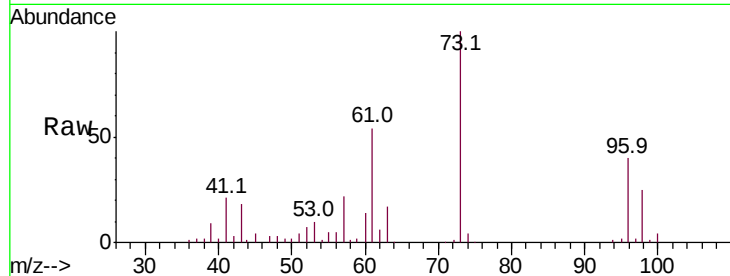




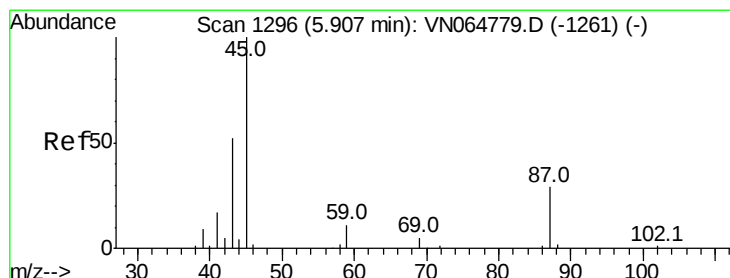
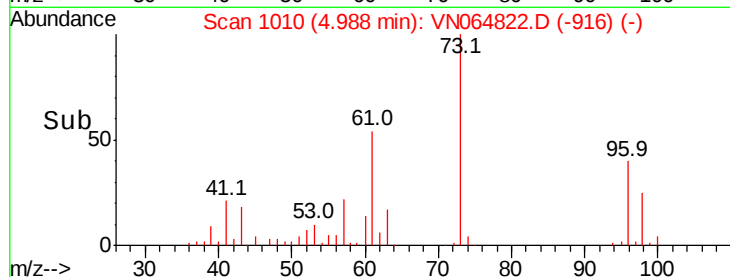
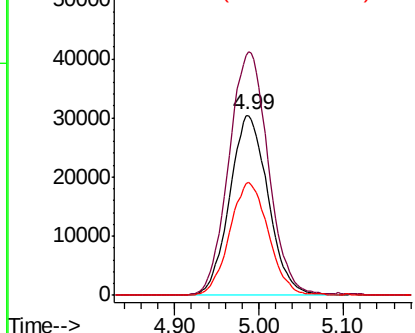
#21
trans-1,2-Dichloroethene
Concen: 46.536 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 96580
Ion Ratio Lower Upper
96 100
61 135.0 108.4 162.6
98 62.7 51.3 76.9

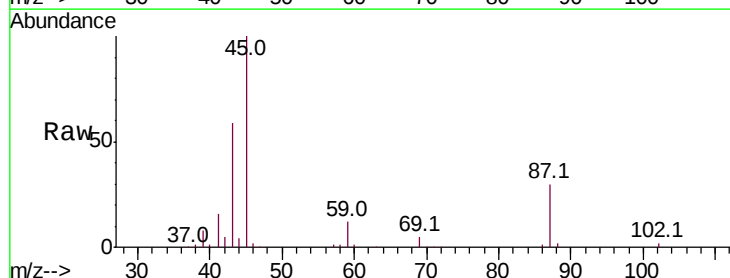


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

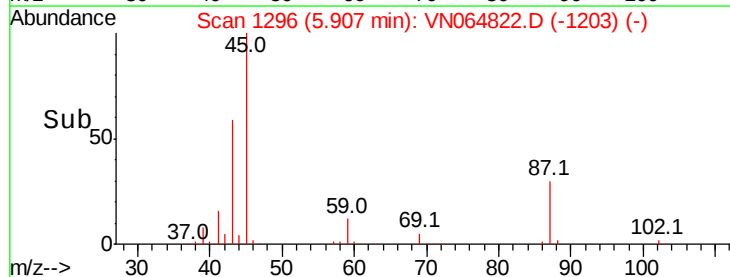
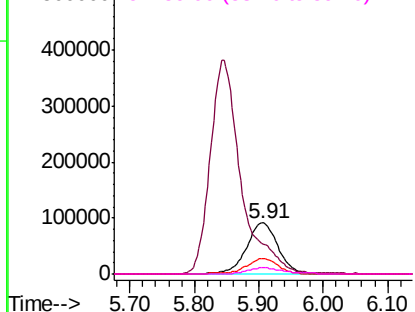


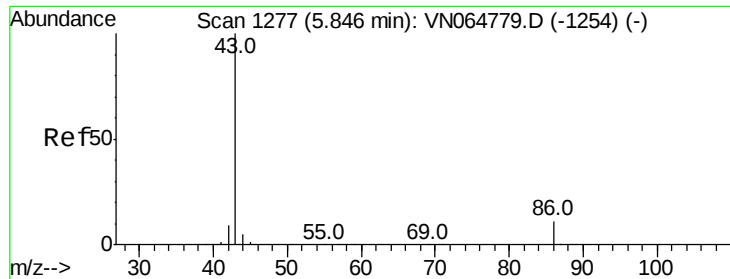
#22
Diisopropyl ether
Concen: 50.457 ug/l
RT: 5.91 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 45 Resp: 311302
Ion Ratio Lower Upper
45 100
43 57.2 46.2 69.2
87 29.7 24.1 36.1
59 12.1 9.0 13.4



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: 257.723 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

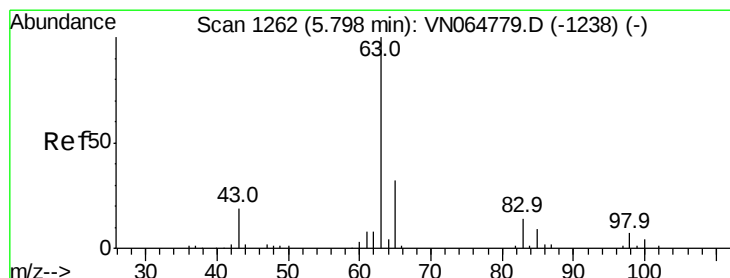
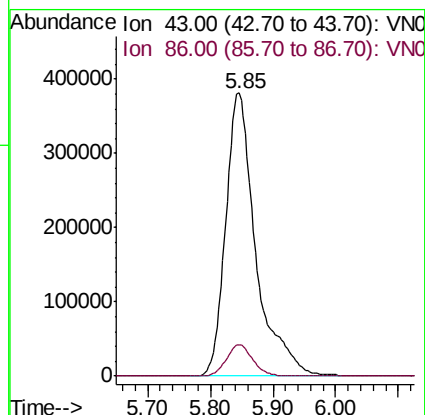
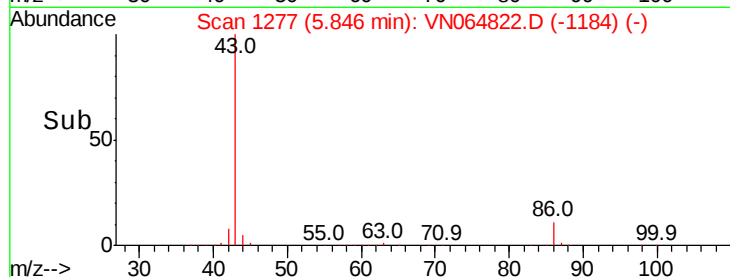
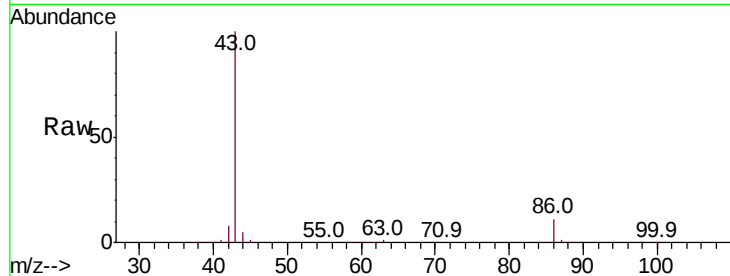
VSTDCCC050EC

Tot Ion: 43 Resp: 1271535

Ion Ratio Lower Upper

43 100

86 11.0 8.9 13.3



#24

1,1-Dichloroethane

Concen: 49.202 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

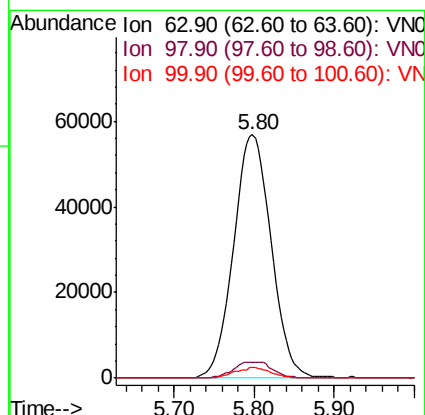
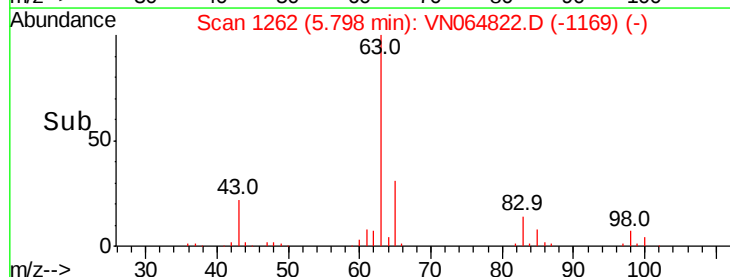
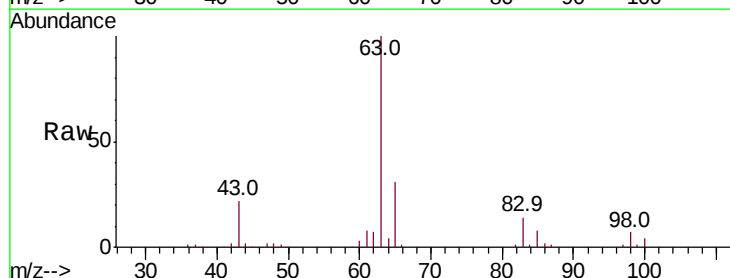
Tgt Ion: 63 Resp: 181416

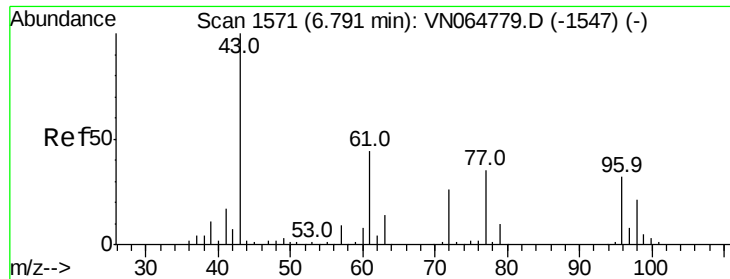
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.5

100 4.5 2.3 6.8





#25

2-Butanone

Concen: 250.411 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

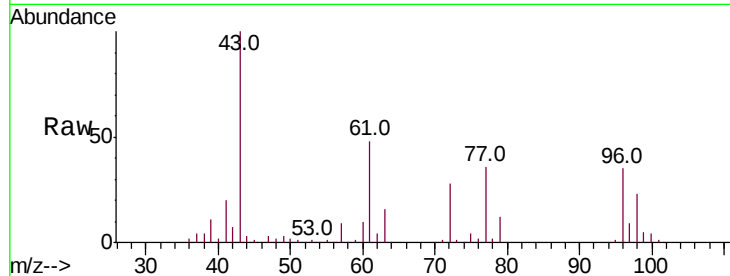
VSTDCCC050EC

Tot Ion: 43 Resp: 298981

Ion Ratio Lower Upper

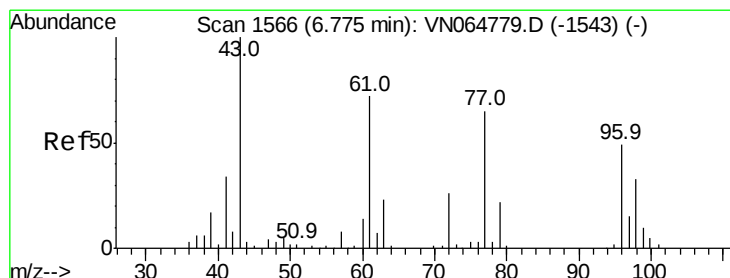
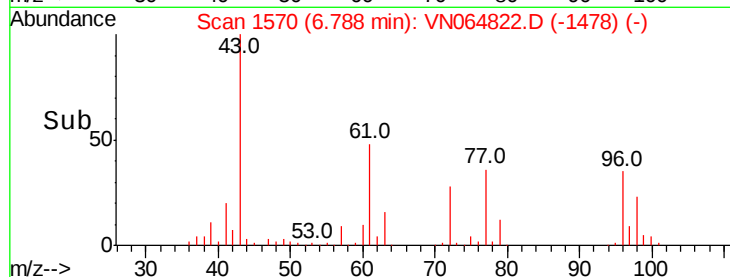
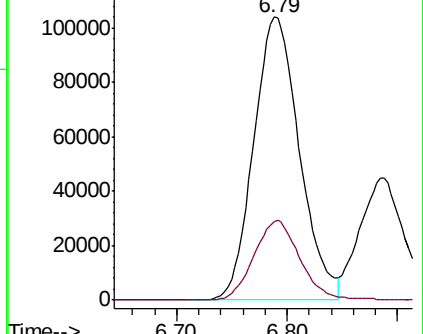
43 100

72 27.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 43.872 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN064822.D

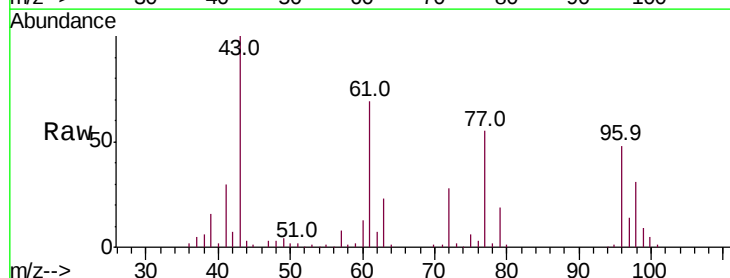
Acq: 24 Nov 2020 19:53

Tgt Ion: 77 Resp: 140299

Ion Ratio Lower Upper

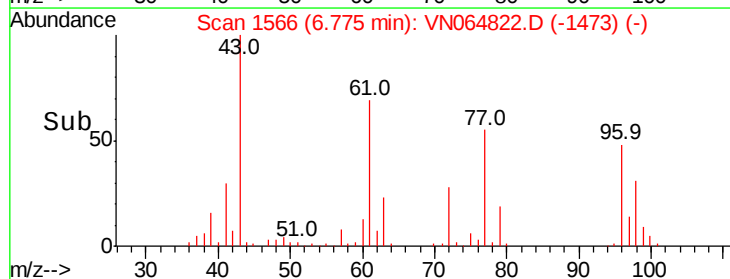
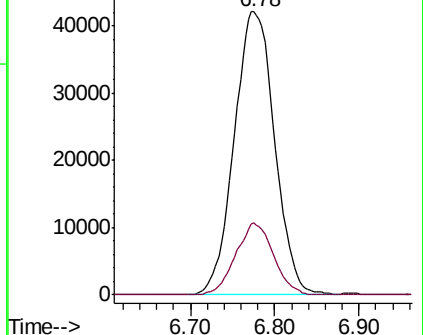
77 100

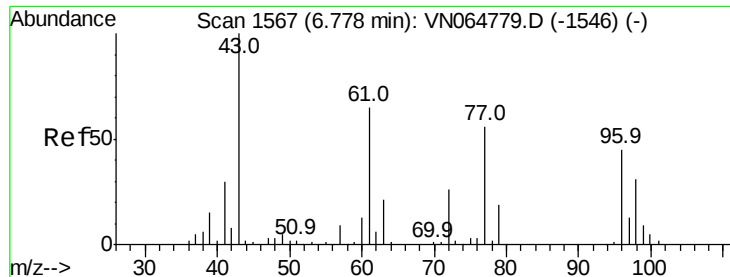
97 23.7 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 48.271 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

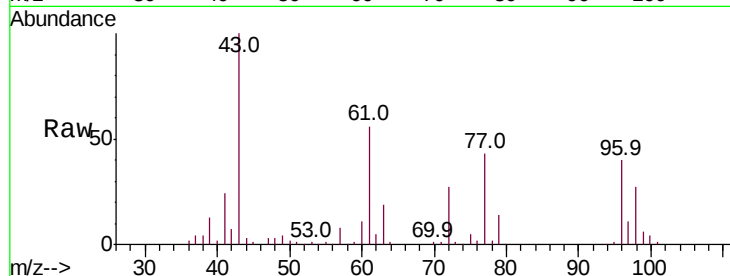
Tot Ion: 96 Resp: 112728

Ion Ratio Lower Upper

96 100

61 141.2 0.0 285.8

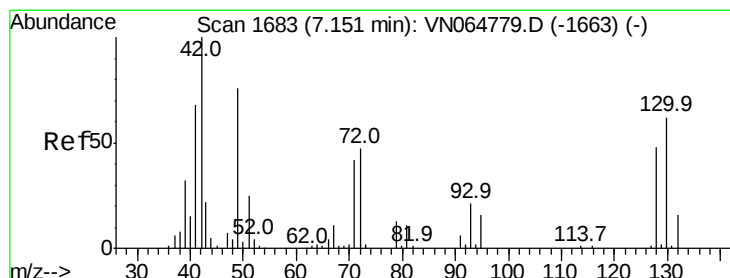
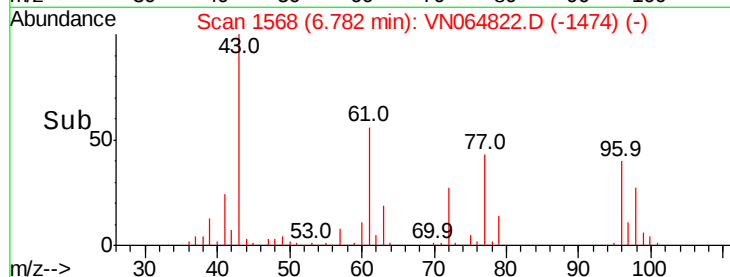
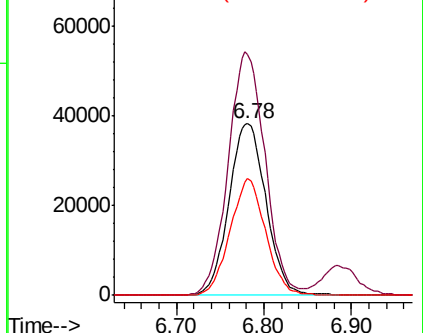
98 65.1 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VN064779.D (-1546) (-)

Ion 60.90 (60.60 to 61.60): VN064779.D (-1546) (-)

Ion 97.90 (97.60 to 98.60): VN064779.D (-1546) (-)



#28

Bromochloromethane

Concen: 48.829 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

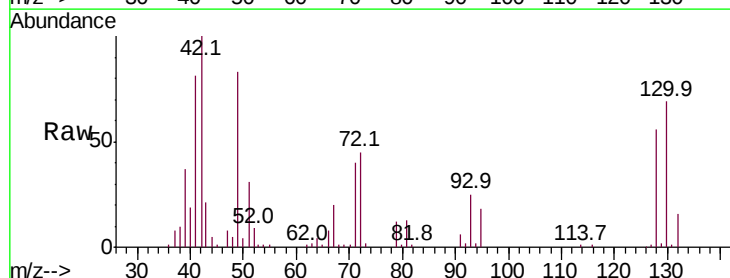
Tgt Ion: 49 Resp: 82365

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.8

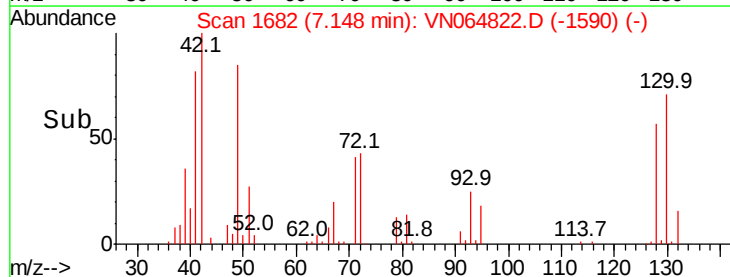
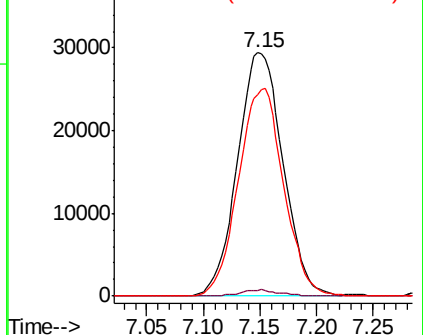
130 84.7 66.2 99.2

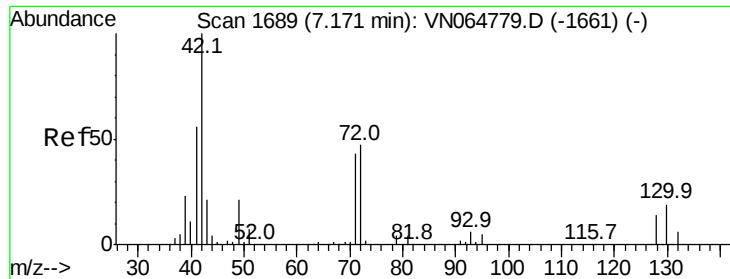


Abundance Ion 48.90 (48.60 to 49.60): VN064779.D (-1663) (-)

Ion 128.80 (128.50 to 129.50): VN064779.D (-1663) (-)

Ion 129.80 (129.50 to 130.50): VN064779.D (-1663) (-)





#29

Tetrahydrofuran

Concen: 243.093 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

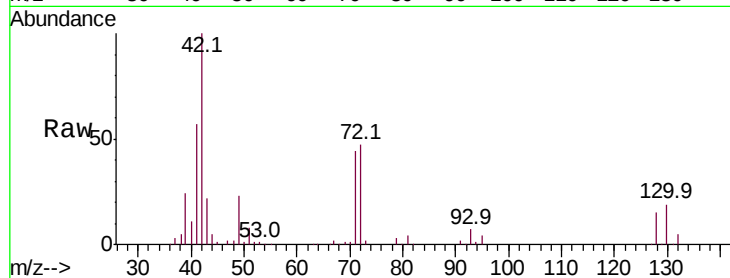
Tot Ion: 42 Resp: 200353

Ion Ratio Lower Upper

42 100

72 45.6 36.6 54.8

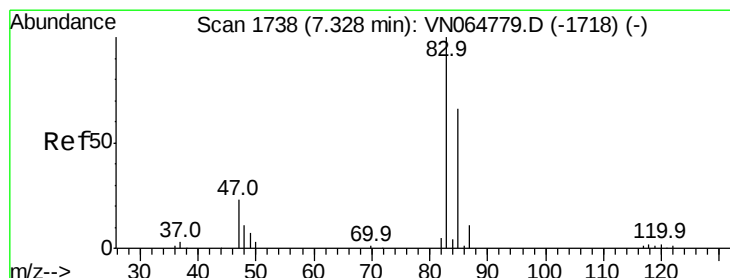
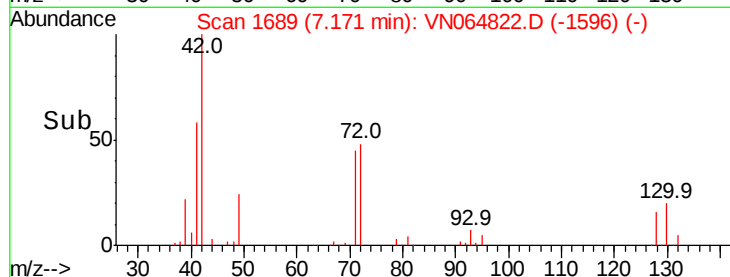
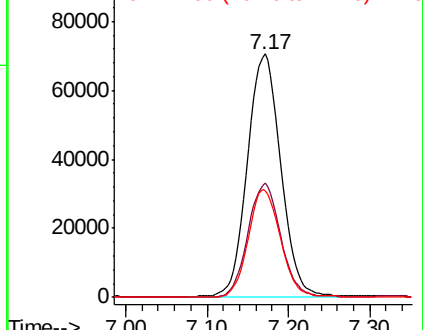
71 42.4 33.6 50.4



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 48.437 ug/l

RT: 7.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VN064822.D

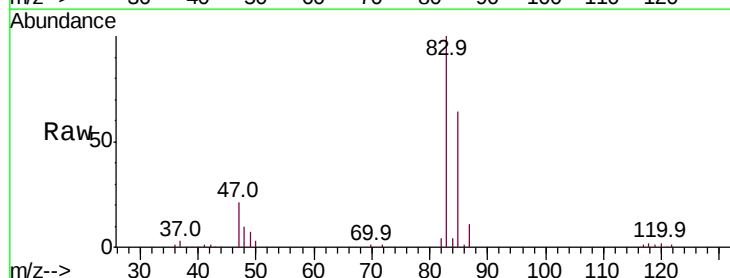
Acq: 24 Nov 2020 19:53

Tgt Ion: 83 Resp: 184178

Ion Ratio Lower Upper

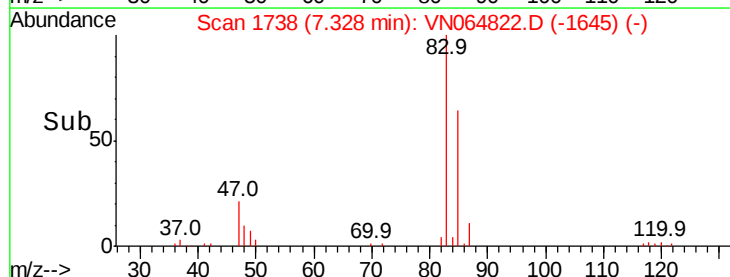
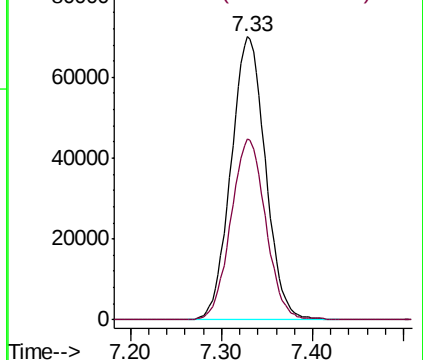
83 100

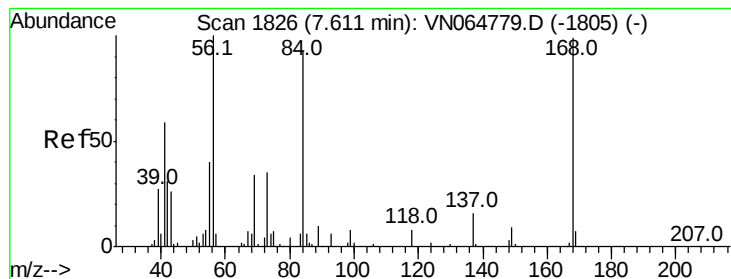
85 64.0 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cvclohexane

Concen: 47.272 ug/l

RT: 7.61 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

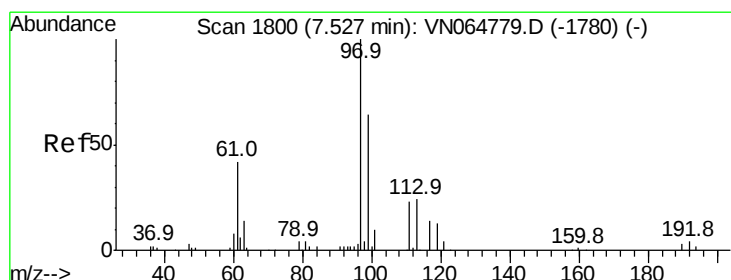
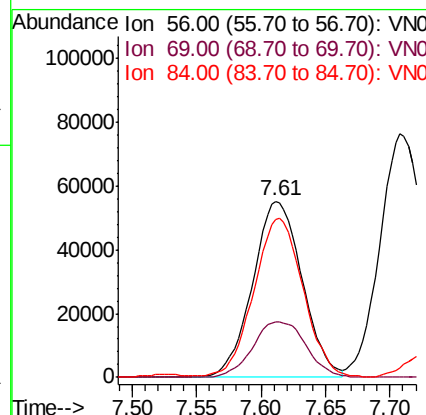
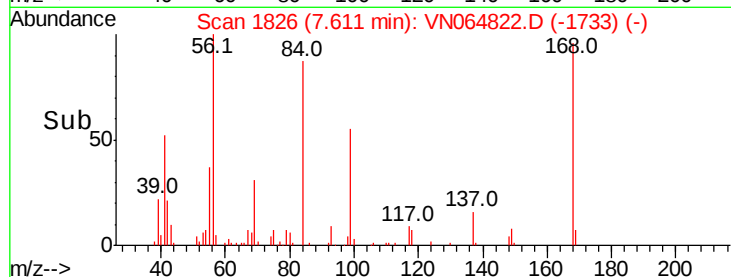
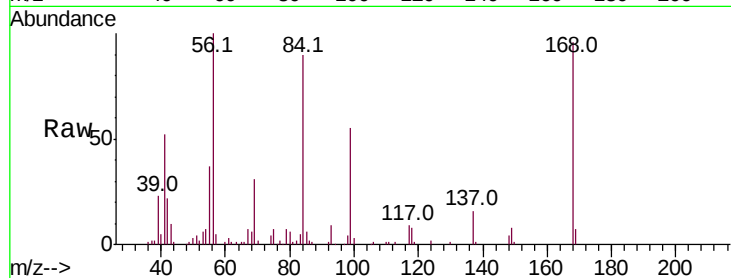
Tot Ion: 56 Resp: 147621

Ion Ratio Lower Upper

56 100

69 31.4 27.5 41.3

84 89.0 73.9 110.9



#32

1,1,1-Trichloroethane

Concen: 47.998 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

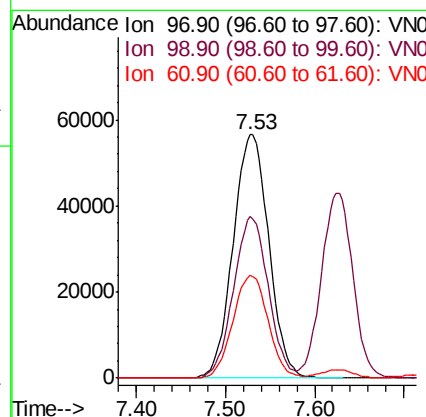
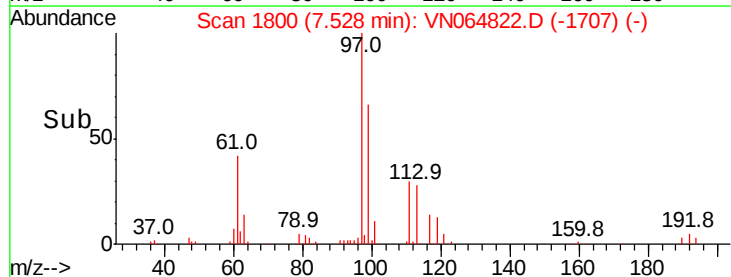
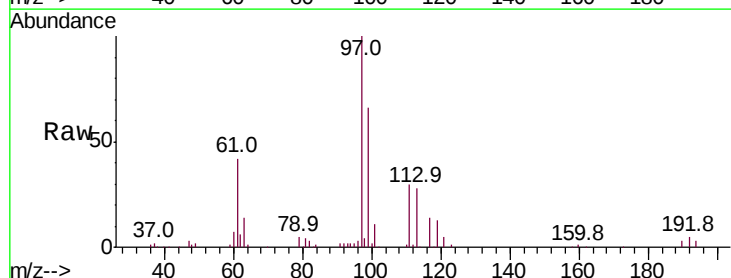
Tgt Ion: 97 Resp: 156749

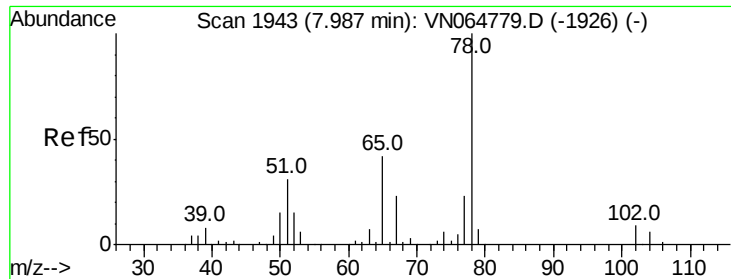
Ion Ratio Lower Upper

97 100

99 64.8 51.7 77.5

61 41.8 33.9 50.9

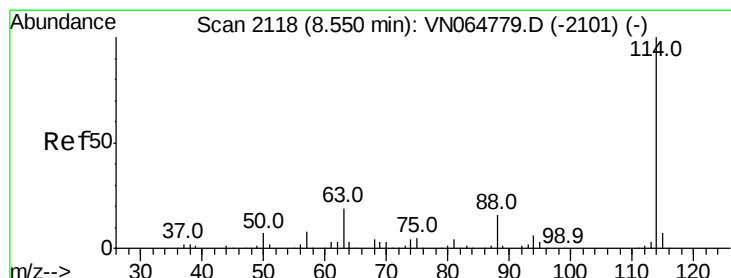
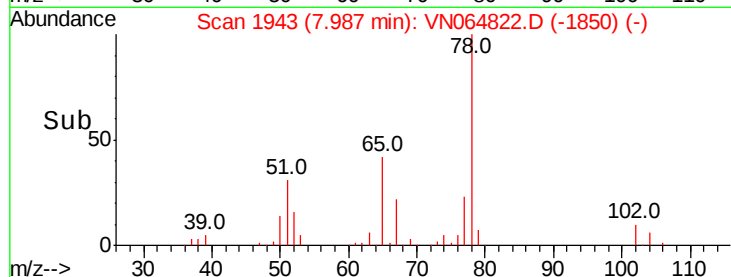
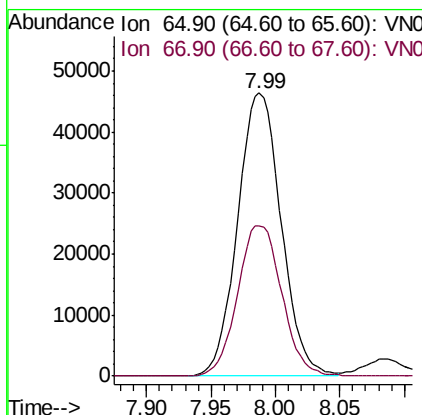
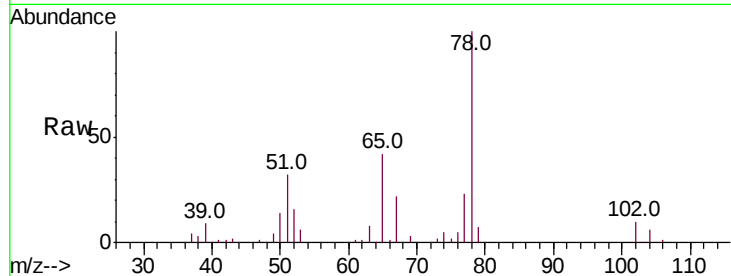




#33
 1,2-Dichloroethane-d4
 Concen: 48.769 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

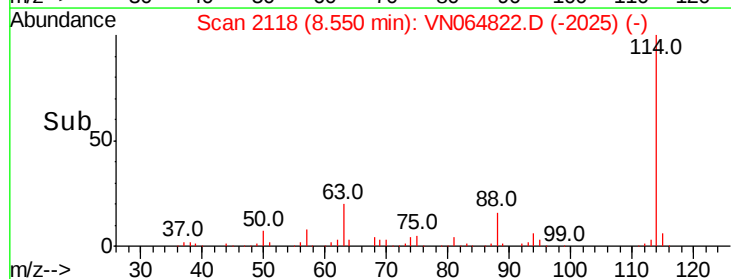
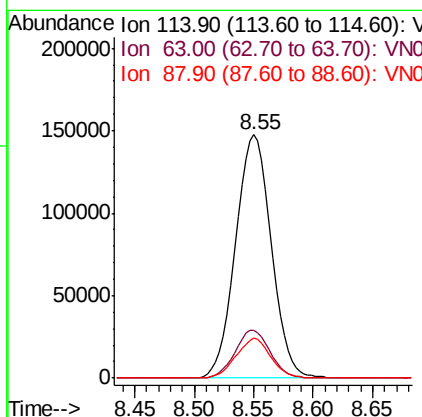
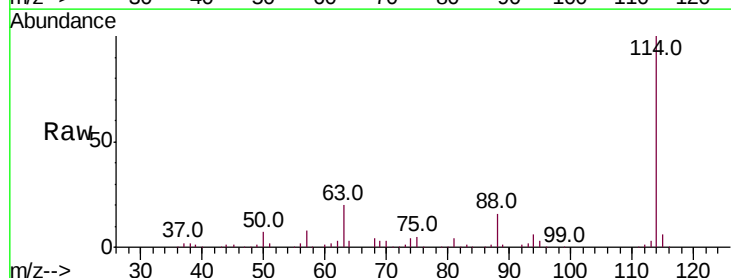
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

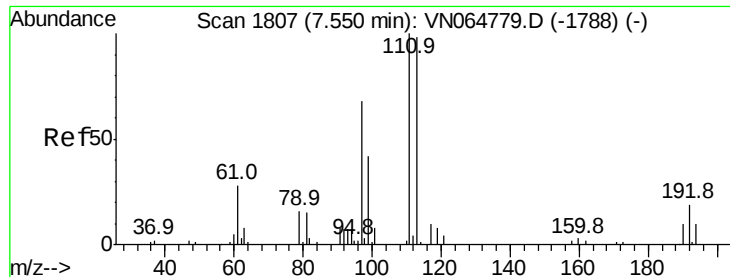
Tot Ion: 65 Resp: 109270
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Tgt Ion: 114 Resp: 307600
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.6
 88 16.3 0.0 32.6

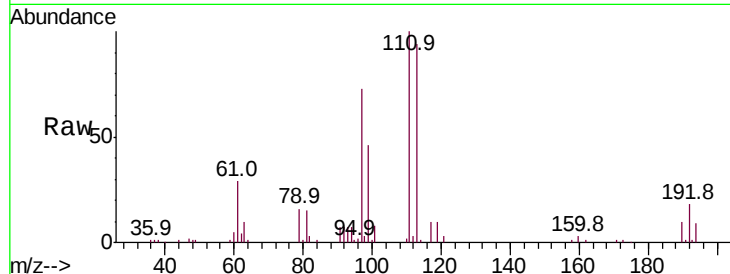




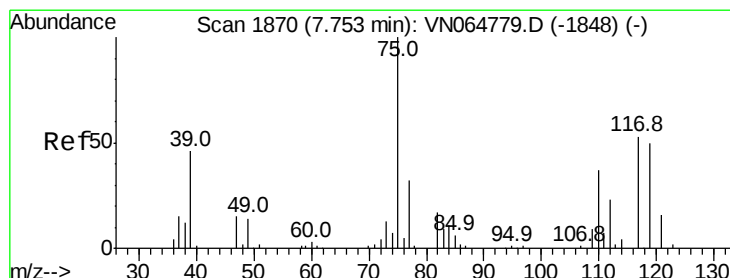
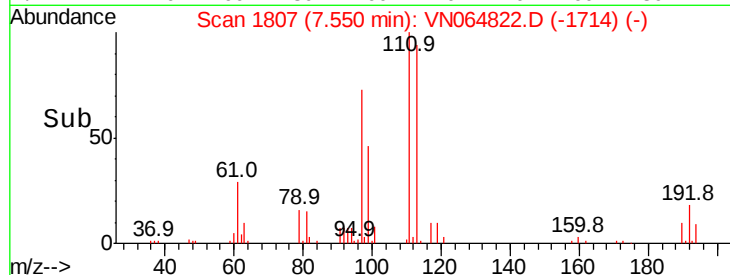
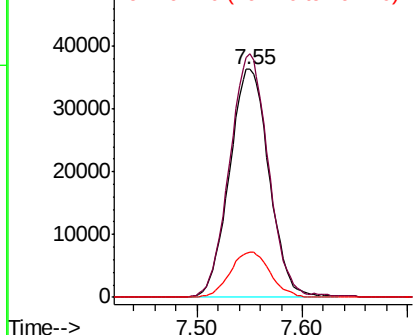
#35
 Dibromofluoromethane
 Concen: 51.400 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:113 Resp: 94605
 Ion Ratio Lower Upper
 113 100
 111 105.0 81.6 122.4
 192 19.8 16.2 24.2

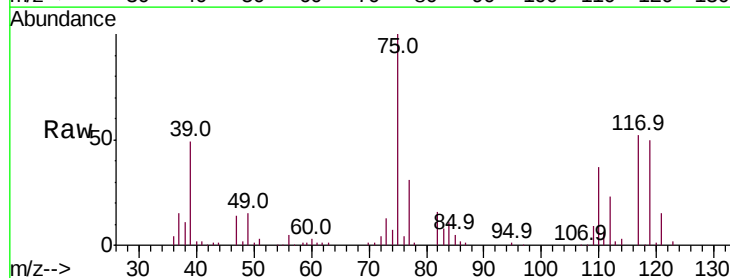


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

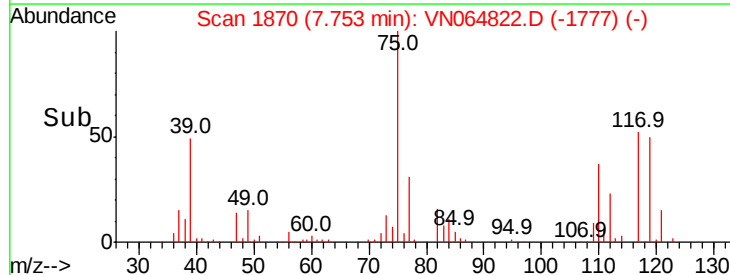
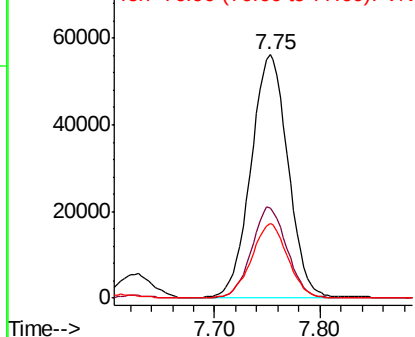


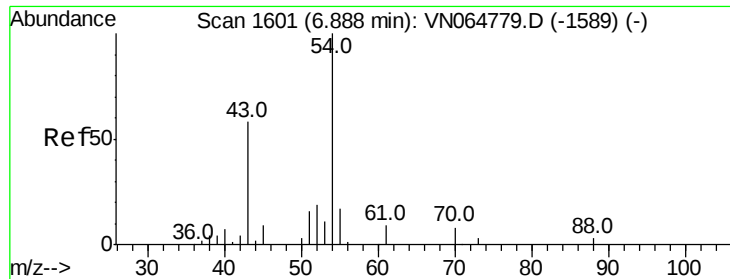
#36
 1,1-Dichloropropene
 Concen: 48.395 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Tgt Ion: 75 Resp: 137980
 Ion Ratio Lower Upper
 75 100
 110 35.6 17.8 53.3
 77 30.0 25.0 37.4



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

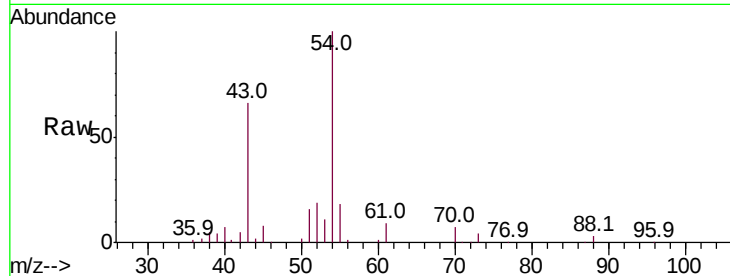




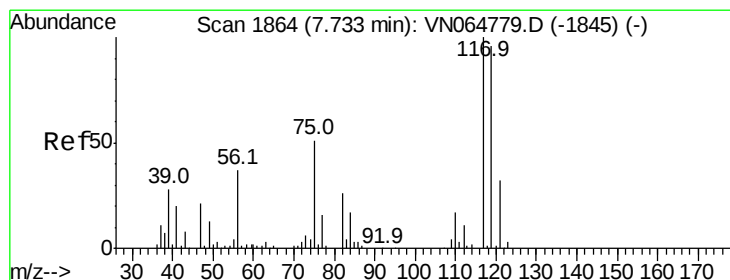
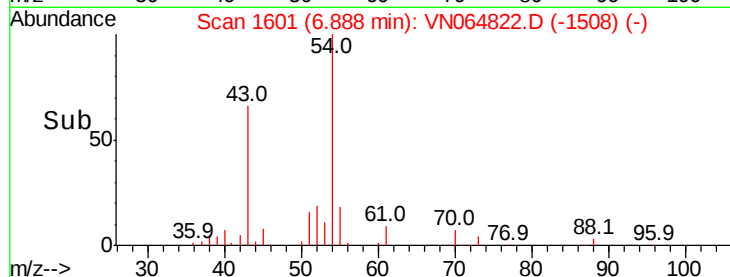
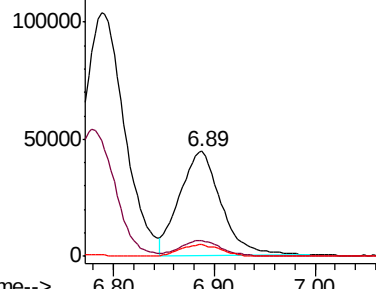
#37
Ethyl Acetate
Concen: 46.281 ug/l
RT: 6.89 min Scan# 1601
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 127106
Ion Ratio Lower Upper
43 100
61 14.4 12.8 19.2
70 11.0 8.8 13.2

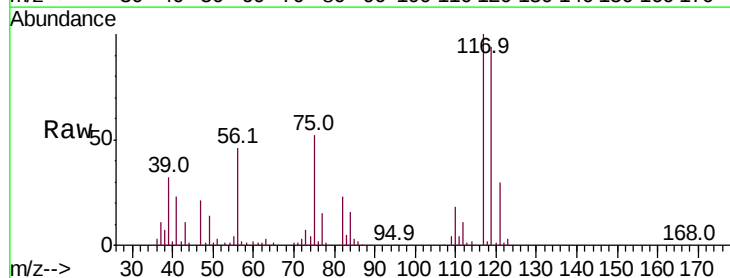


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

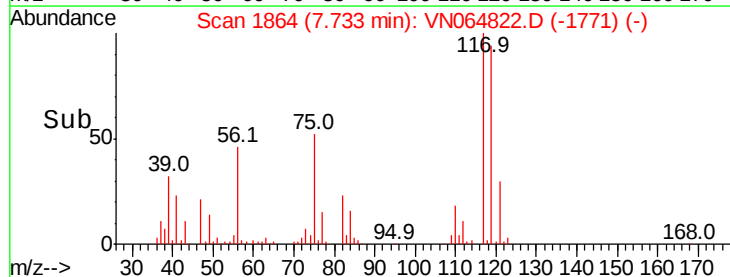
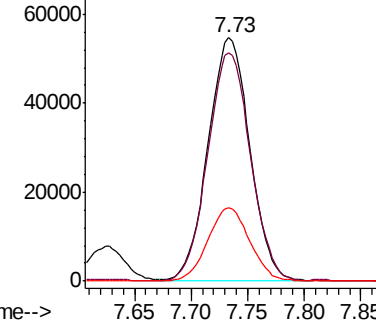


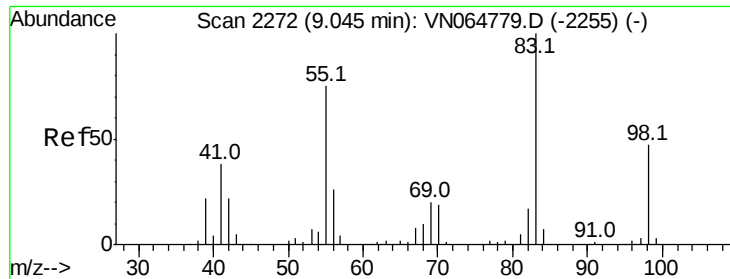
#38
Carbon Tetrachloride
Concen: 47.086 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 117 Resp: 139686
Ion Ratio Lower Upper
117 100
119 94.2 76.7 115.1
121 30.3 25.4 38.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

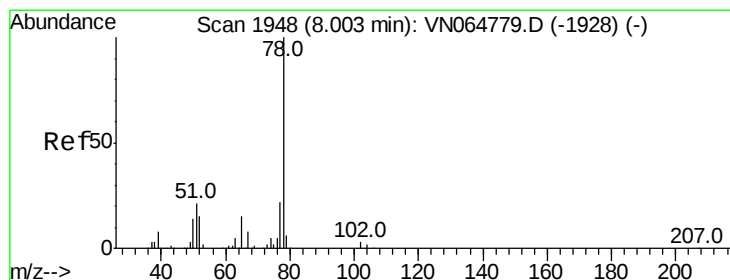
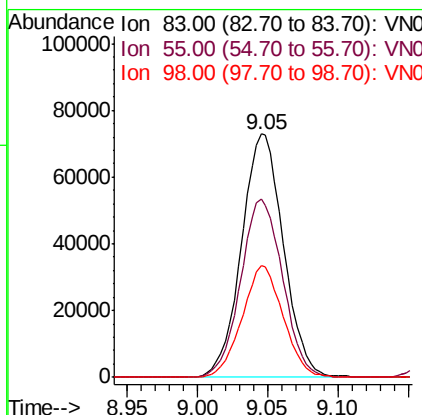
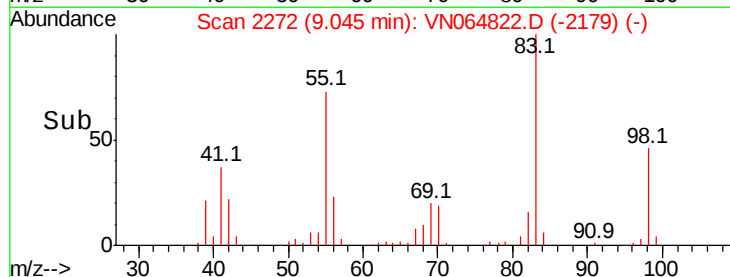
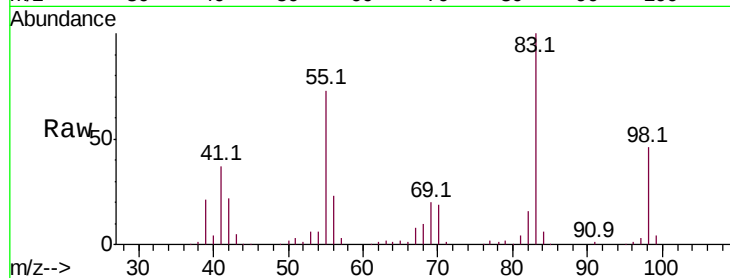




#39
Methvlcvclohexane
Concen: 49.496 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

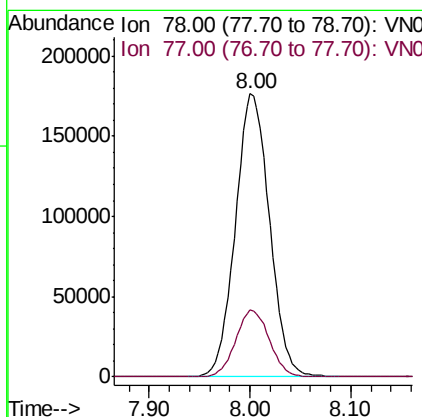
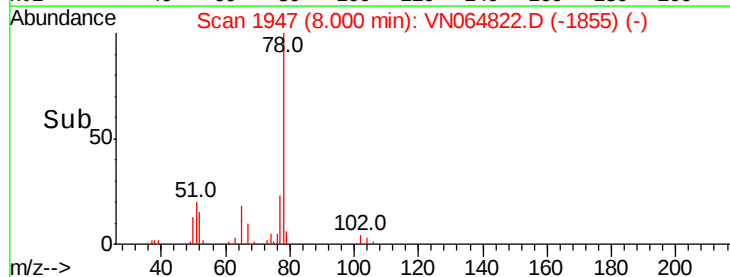
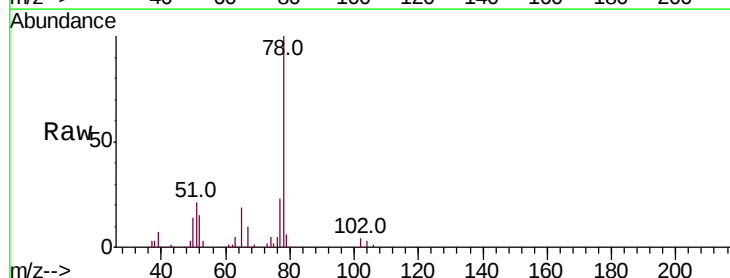
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

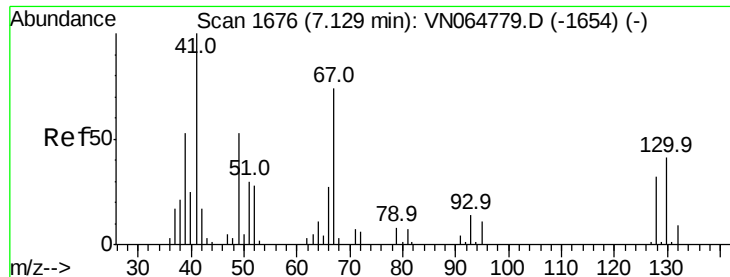
Tot Ion: 83 Resp: 151917
Ion Ratio Lower Upper
83 100
55 73.0 60.2 90.2
98 45.8 37.4 56.2



#40
Benzene
Concen: 47.338 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 78 Resp: 413590
Ion Ratio Lower Upper
78 100
77 23.5 17.9 26.9

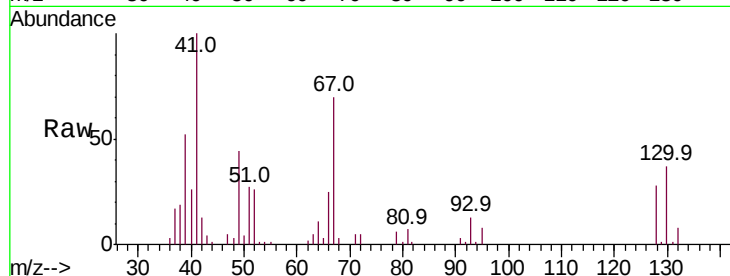




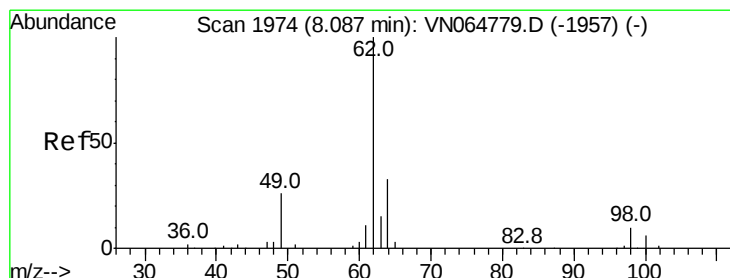
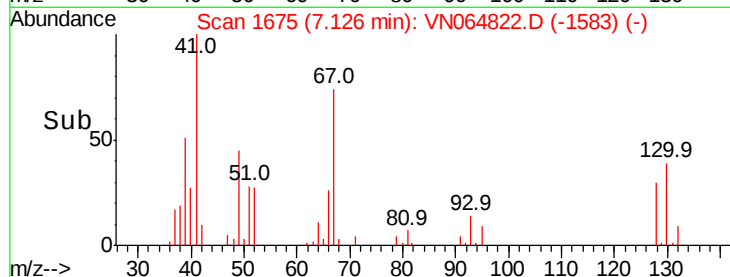
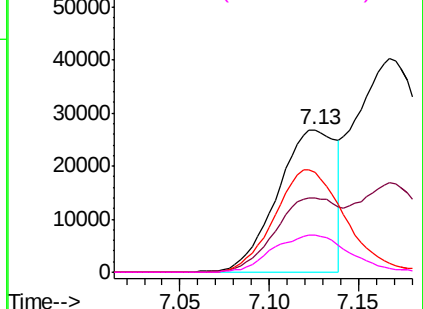
#41
Methacrylonitrile
Concen: 48.356 ug/l
RT: 7.13 min Scan# 1675
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 61279
Ion Ratio Lower Upper
41 100
39 57.5 51.0 76.6
67 86.6 79.8 119.8
52 34.2 31.5 47.3

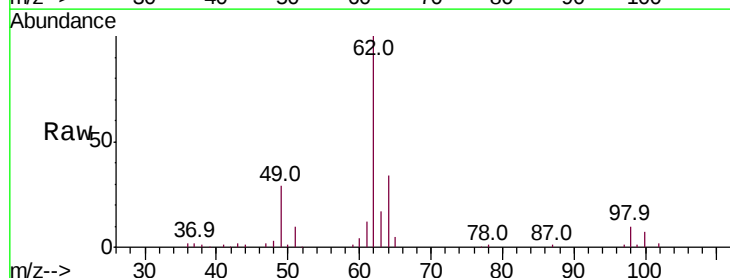


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

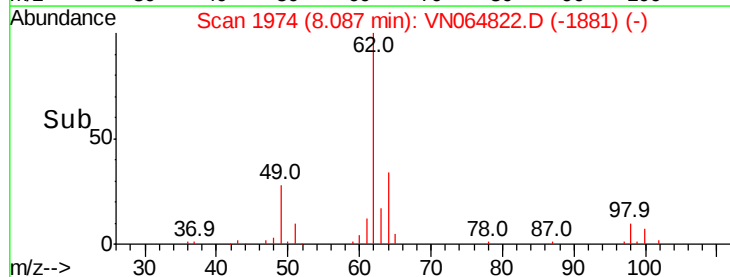
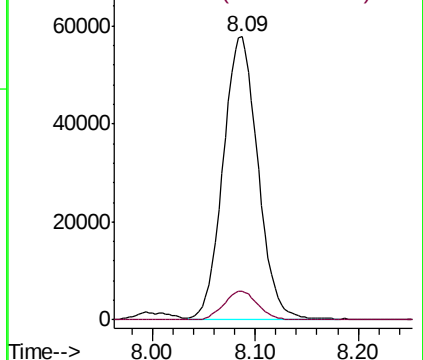


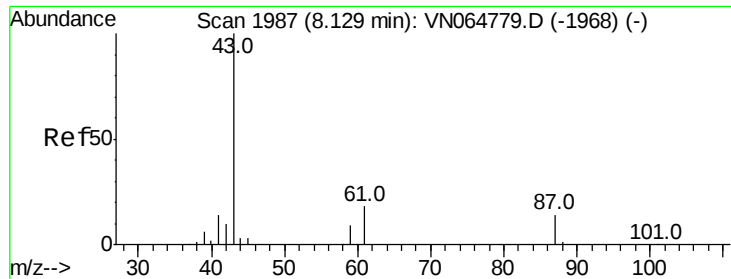
#42
1,2-Dichloroethane
Concen: 45.885 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 62 Resp: 135240
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.6



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO





#43

Isopropyl Acetate

Concen: 46.499 ug/l

RT: 8.13 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

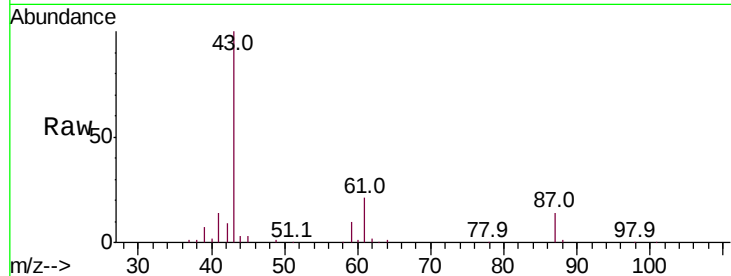
Tot Ion: 43 Resp: 205493

Ion Ratio Lower Upper

43 100

61 29.0 17.2 25.8#

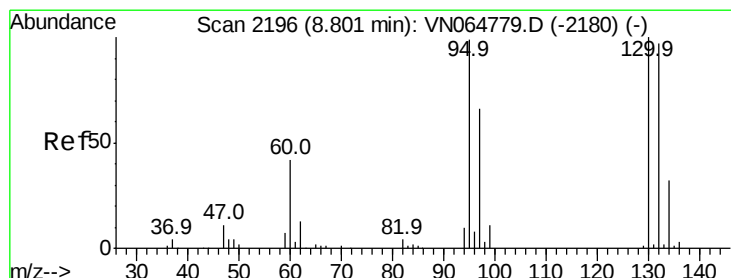
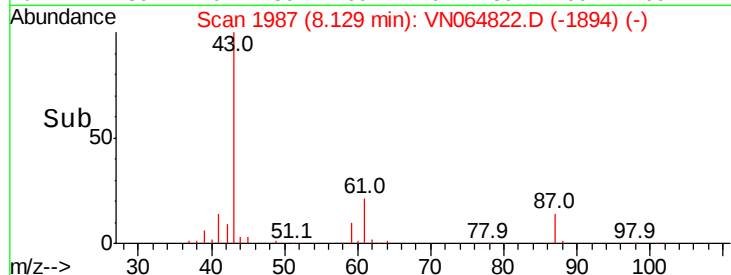
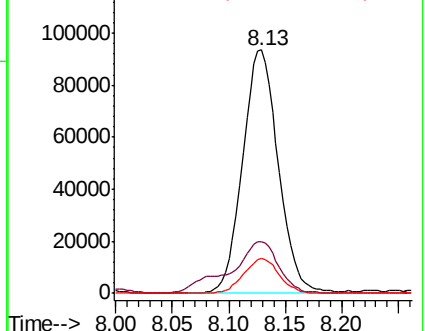
87 14.1 11.4 17.0



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN064779.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN064779.D (-1968) (-)



#44

Trichloroethene

Concen: 45.305 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064822.D

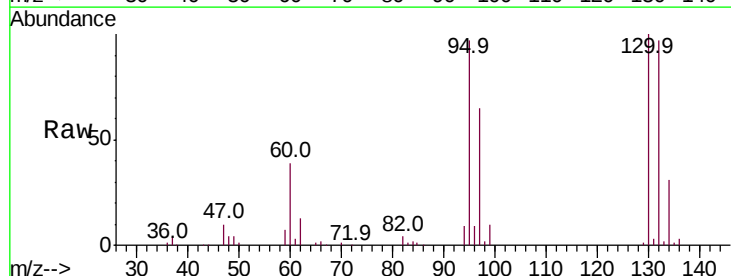
Acq: 24 Nov 2020 19:53

Tgt Ion:130 Resp: 116789

Ion Ratio Lower Upper

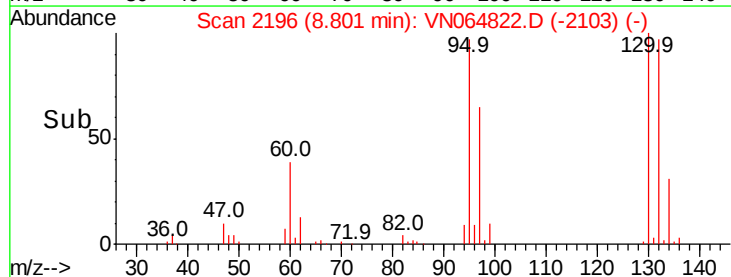
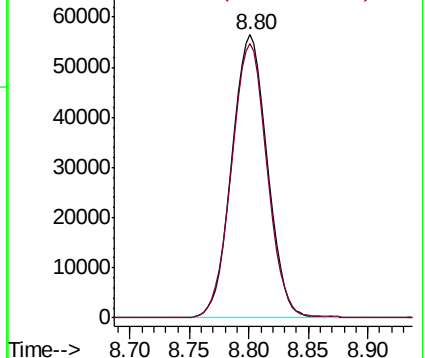
130 100

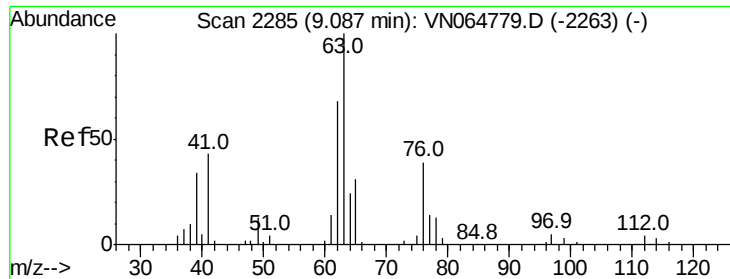
95 96.8 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064779.D (-2180) (-)

Ion 94.90 (94.60 to 95.60): VN064779.D (-2180) (-)





#45

1,2-Dichloropropane

Concen: 49.141 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

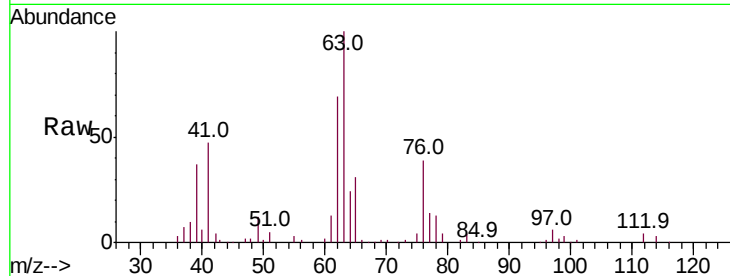
VSTDCCC050EC

Tot Ion: 63 Resp: 111186

Ion Ratio Lower Upper

63 100

65 30.8 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN064779.D (-2263) (-)

Ion 64.90 (64.60 to 65.60): VN064779.D (-2263) (-)

9.08

60000

50000

40000

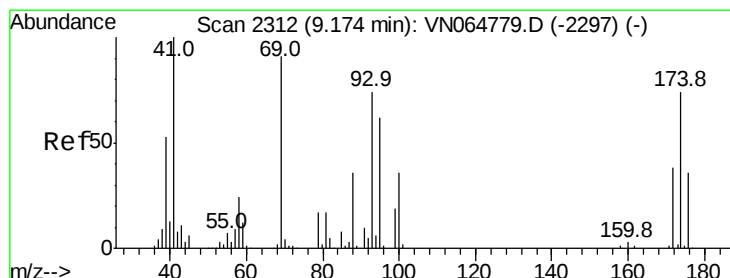
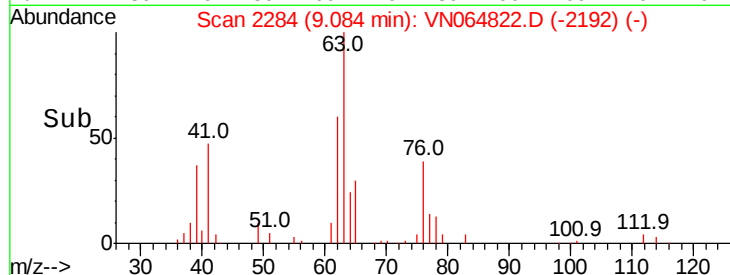
30000

20000

10000

0

Time-->



#46

Dibromomethane

Concen: 48.123 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

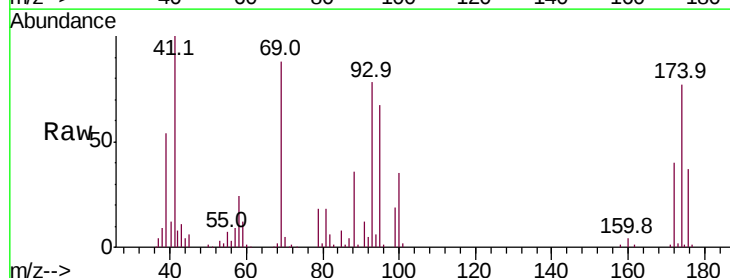
Tgt Ion: 93 Resp: 72740

Ion Ratio Lower Upper

93 100

95 84.0 68.8 103.2

174 101.3 83.1 124.7



Abundance Ion 92.80 (92.50 to 93.50): VN064779.D (-2297) (-)

Ion 94.80 (94.50 to 95.50): VN064779.D (-2297) (-)

Ion 173.70 (173.40 to 174.40): VN064779.D (-2297) (-)

9.17

40000

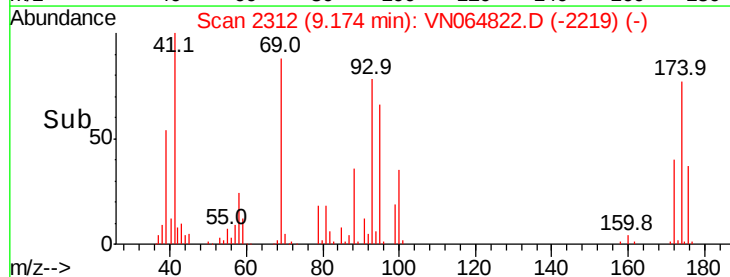
30000

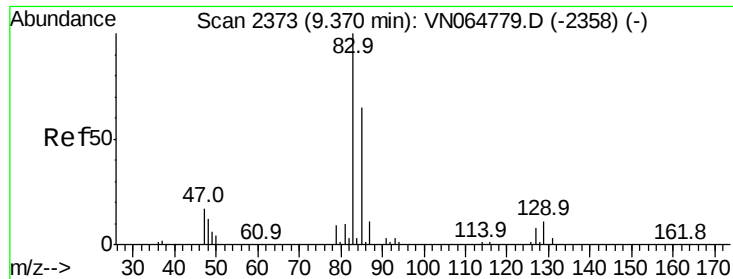
20000

10000

0

Time-->



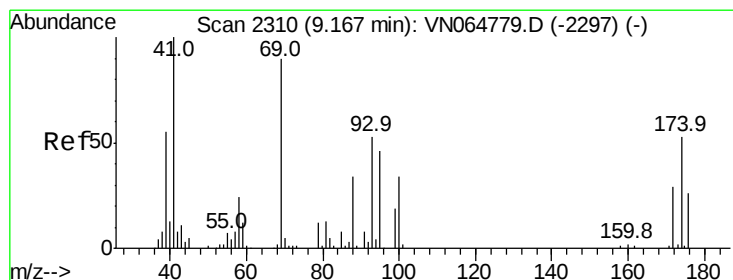
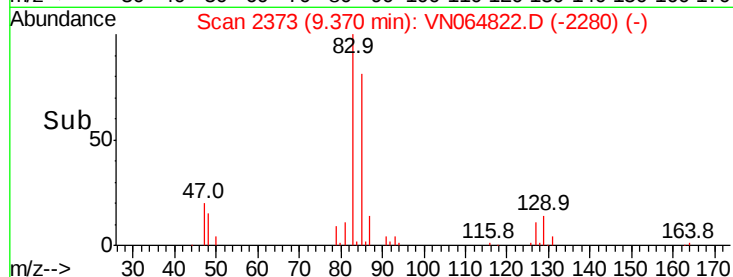
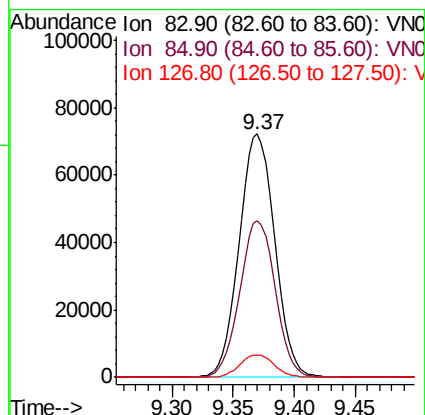
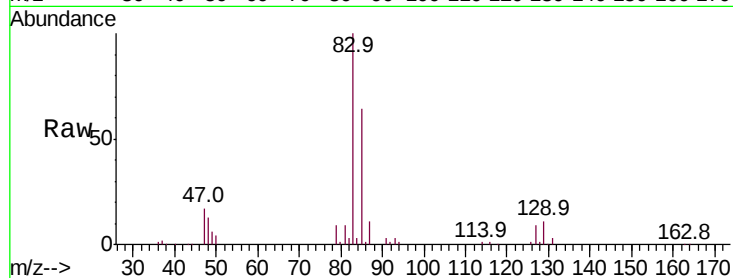


#47
 Bromodichloromethane
 Concen: 47.967 ug/l
 RT: 9.37 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 83 Resp: 145887

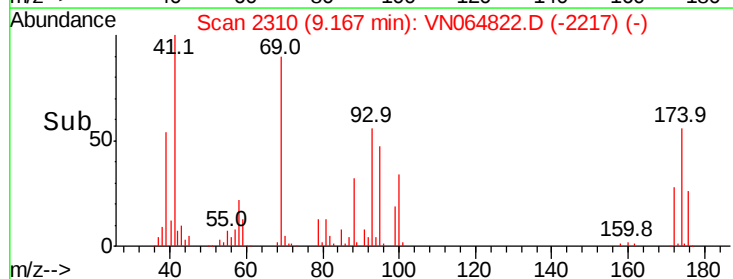
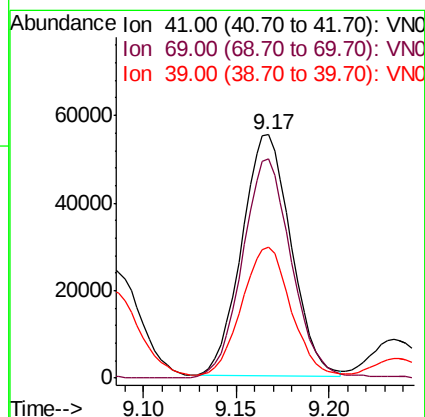
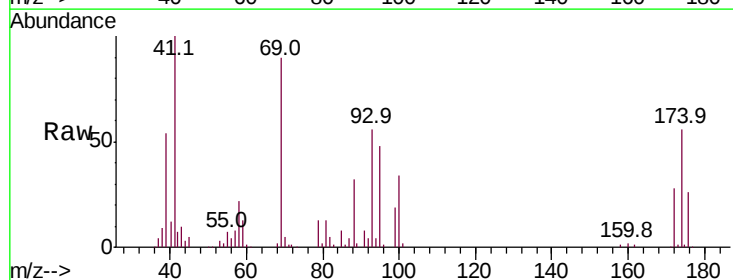
Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8
127	9.0	6.8	10.2

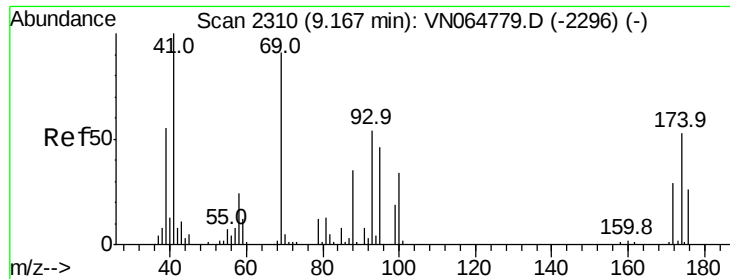


#48
 Methyl methacrylate
 Concen: 48.545 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Tgt Ion: 41 Resp: 102512

Ion	Ratio	Lower	Upper
41	100		
69	90.9	71.8	107.8
39	55.2	44.1	66.1





#49

1,4-Dioxane

Concen: 914.166 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

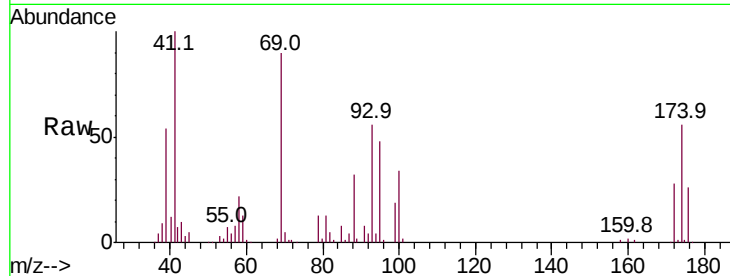
Tot Ion: 88 Resp: 36486

Ion Ratio Lower Upper

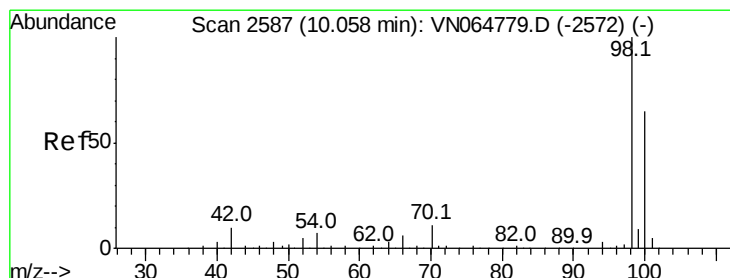
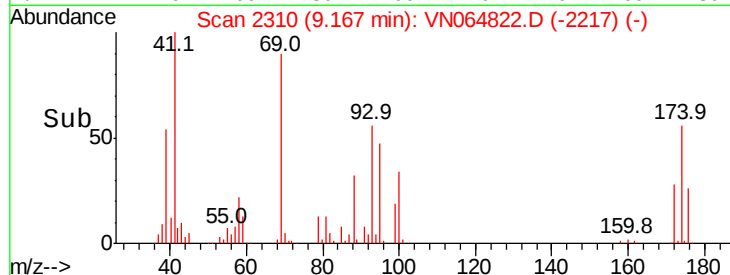
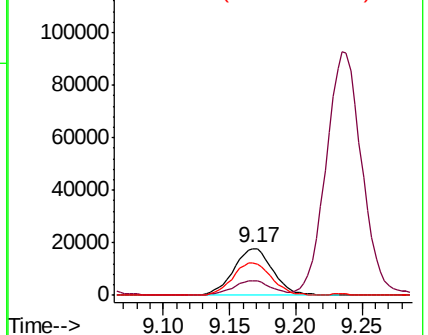
88 100

43 31.7 24.2 36.4

58 68.9 52.5 78.7



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: 49.053 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064822.D

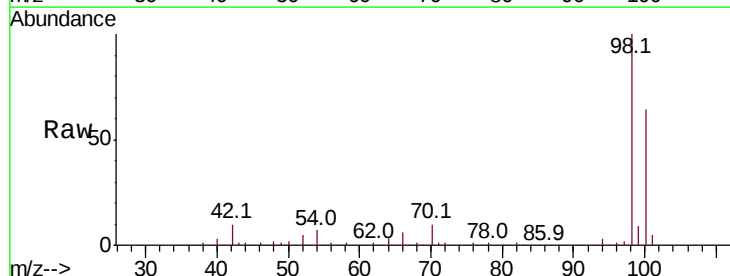
Acq: 24 Nov 2020 19:53

Tgt Ion: 98 Resp: 368898

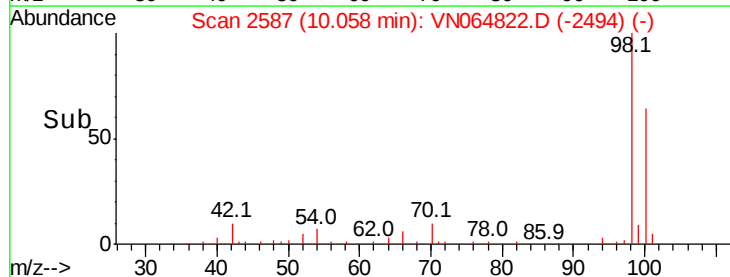
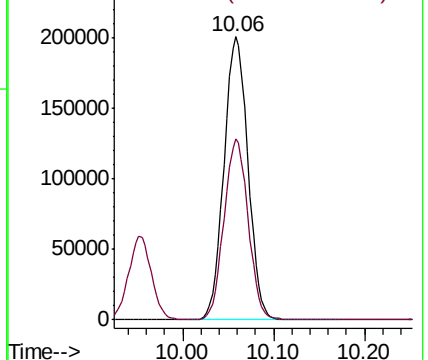
Ion Ratio Lower Upper

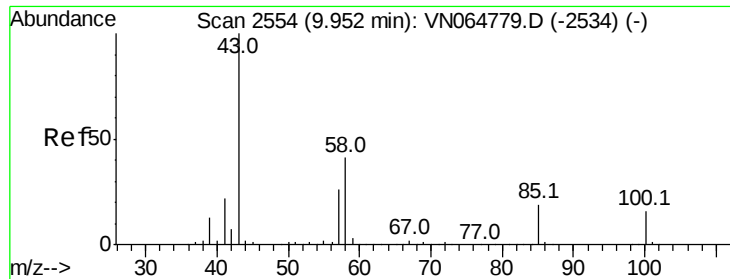
98 100

100 63.8 51.7 77.5



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: 240.917 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

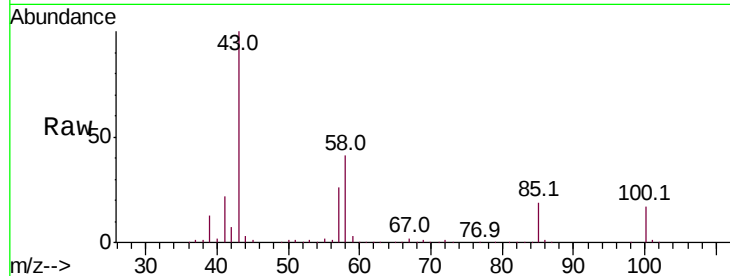
VSTDCCC050EC

Tot Ion: 43 Resp: 639183

Ion Ratio Lower Upper

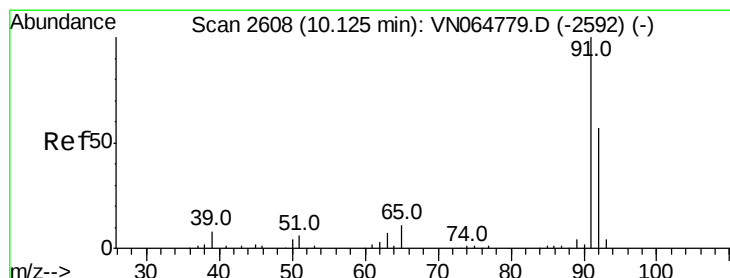
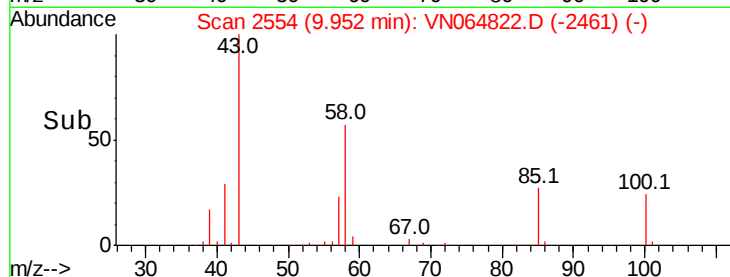
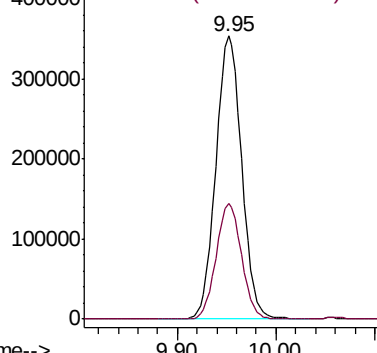
43 100

58 40.1 32.4 48.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 48.265 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064822.D

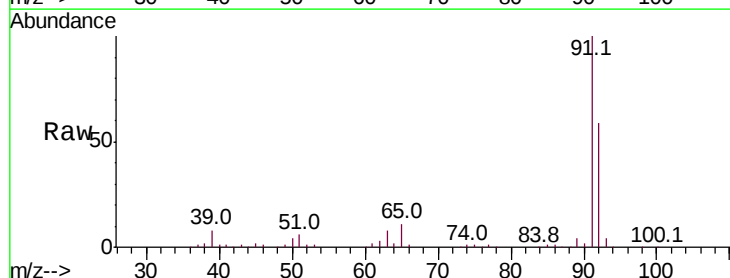
Acq: 24 Nov 2020 19:53

Tgt Ion: 92 Resp: 259689

Ion Ratio Lower Upper

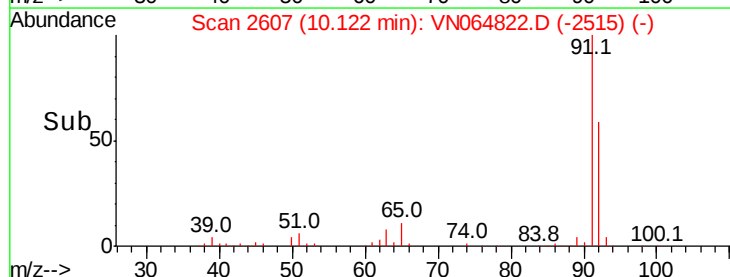
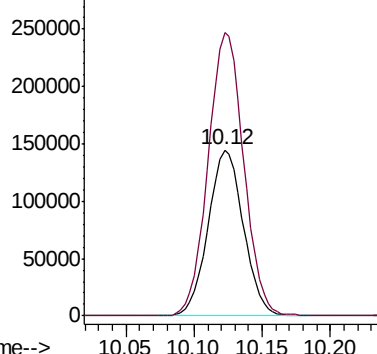
92 100

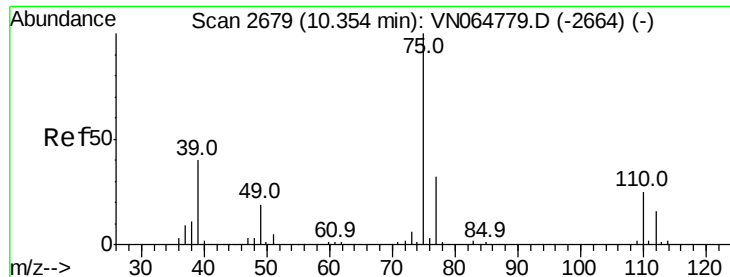
91 172.9 139.1 208.7



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: 47.479 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

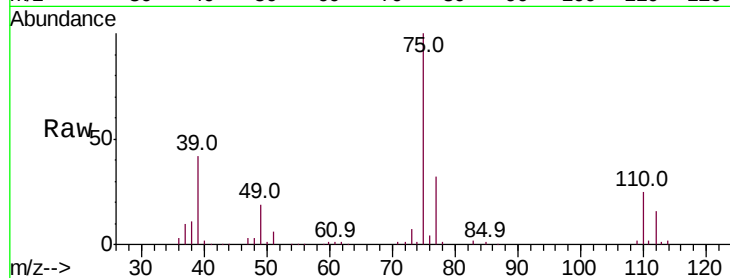
VSTDCCC050EC

Tot Ion: 75 Resp: 160836

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

80000

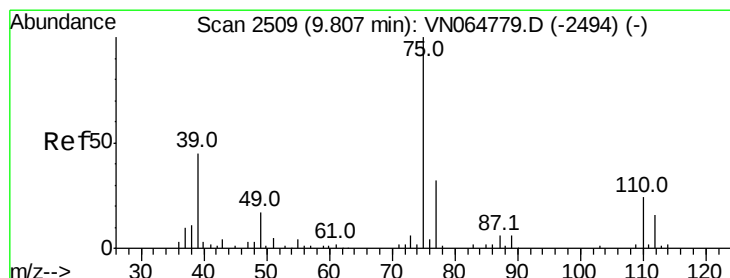
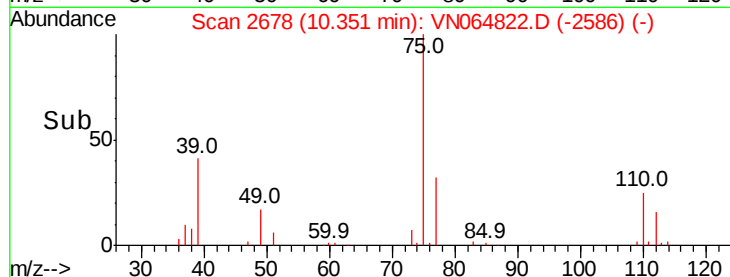
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.274 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

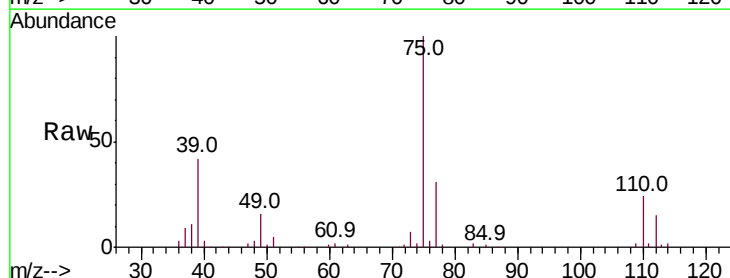
Tgt Ion: 75 Resp: 175284

Ion Ratio Lower Upper

75 100

77 31.0 25.5 38.3

39 42.2 35.6 53.4



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

9.81

120000

100000

80000

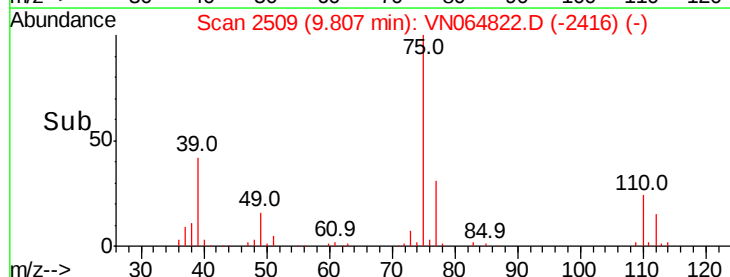
60000

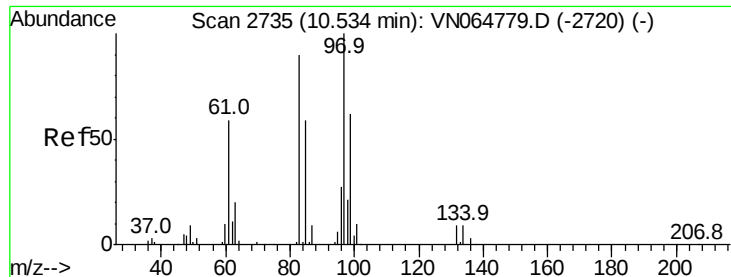
40000

20000

0

Time-->



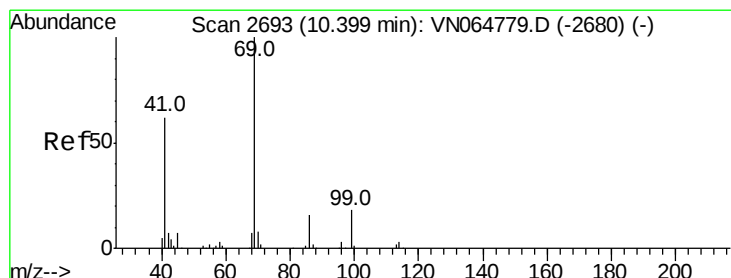
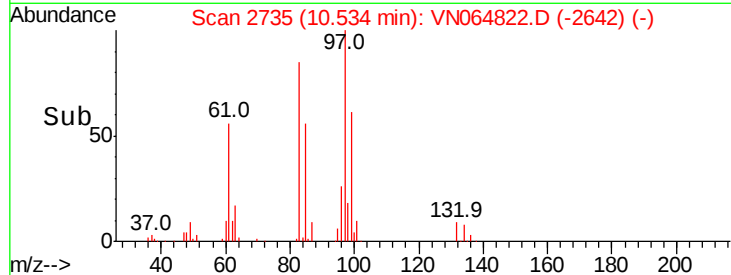
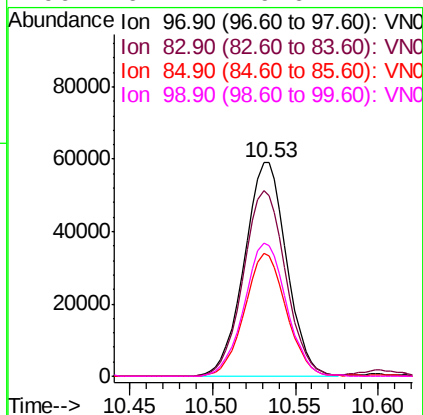
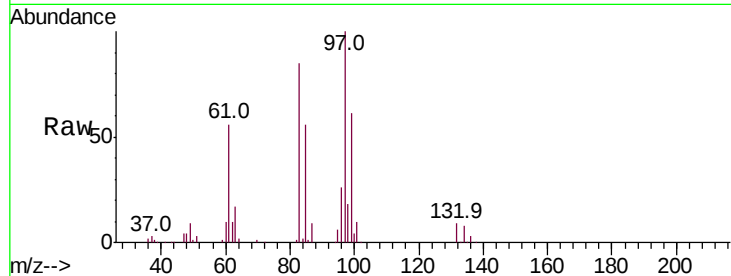


#55
 1,1,2-Trichloroethane
 Concen: 47.574 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 97 Resp: 105259

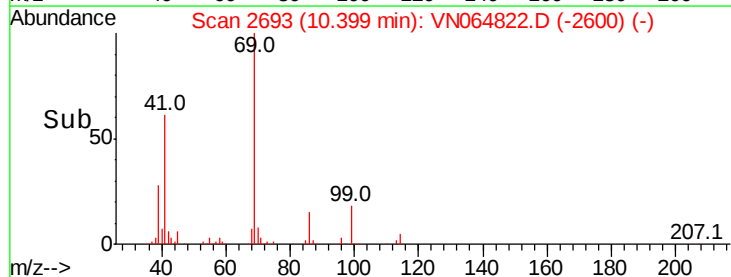
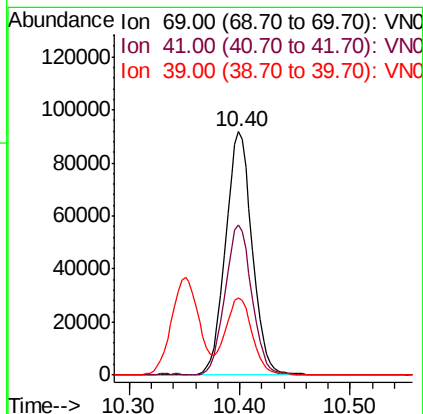
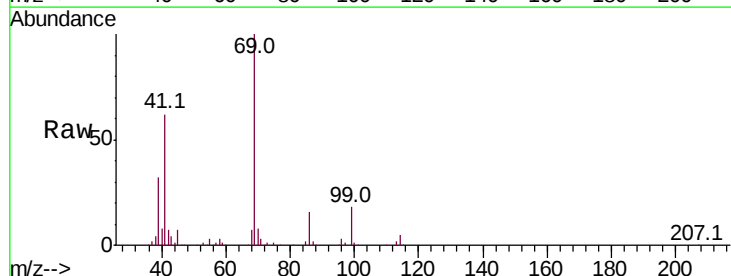
Ion	Ratio	Lower	Upper
97	100		
83	84.7	72.1	108.1
85	56.4	46.8	70.2
99	61.2	49.6	74.4

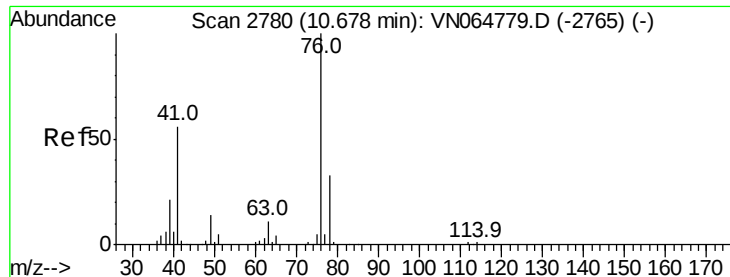


#56
 Ethyl methacrylate
 Concen: 50.500 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Tgt Ion: 69 Resp: 154187

Ion	Ratio	Lower	Upper
69	100		
41	61.6	49.4	74.0
39	31.5	25.9	38.9





#57

1,3-Dichloropropane

Concen: 48.181 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

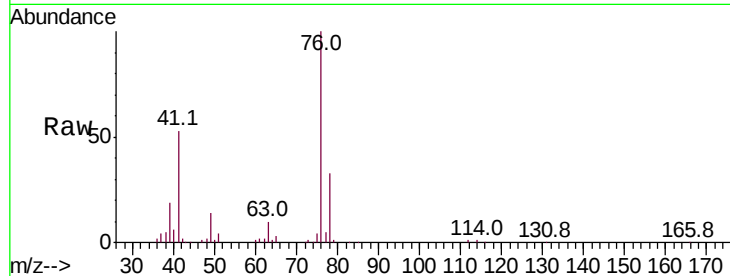
VSTDCCC050EC

Tot Ion: 76 Resp: 175847

Ion Ratio Lower Upper

76 100

78 32.6 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.68

100000

80000

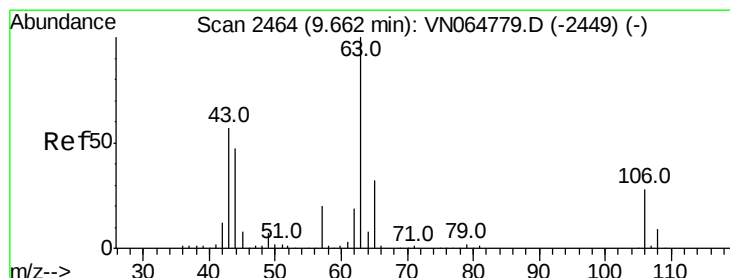
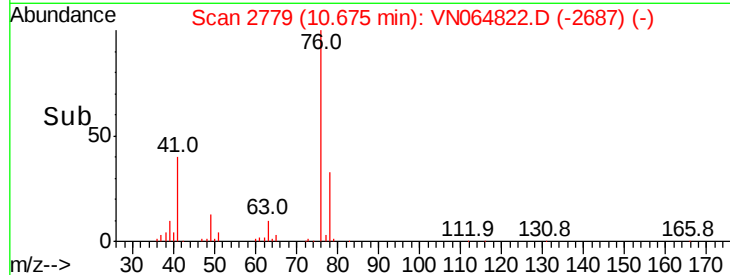
60000

40000

20000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 252.321 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064822.D

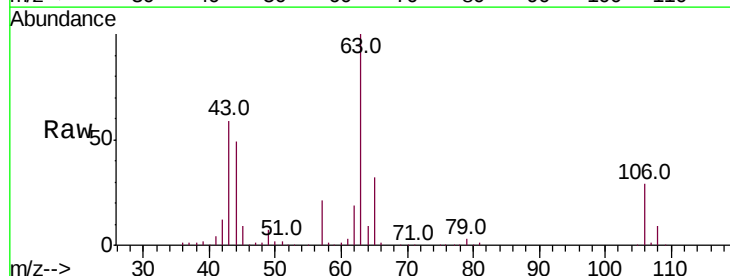
Acq: 24 Nov 2020 19:53

Tgt Ion: 63 Resp: 423768

Ion Ratio Lower Upper

63 100

106 28.4 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.66

250000

200000

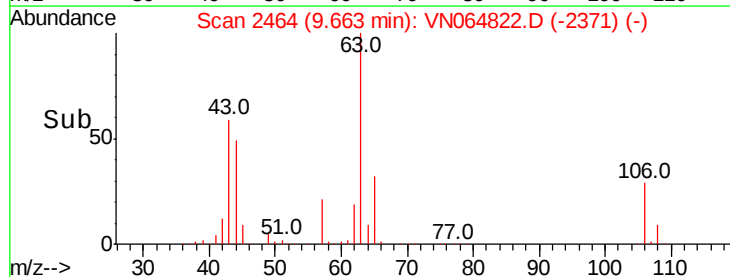
150000

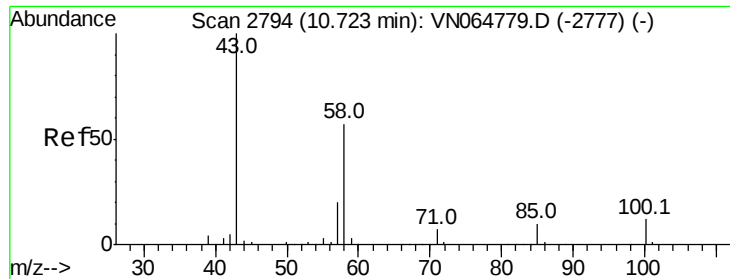
100000

50000

0

Time-->





#59

2-Hexanone

Concen: 243.434 ug/l

RT: 10.72 min Scan# 2793

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

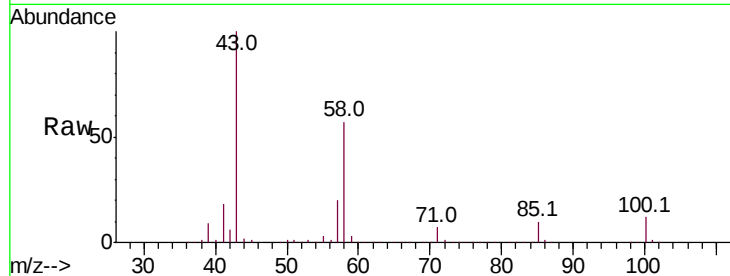
VSTDCCC050EC

Tot Ion: 43 Resp: 464816

Ion Ratio Lower Upper

43 100

58 56.0 28.3 84.9



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2777) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2777) (-)

10.72

250000

200000

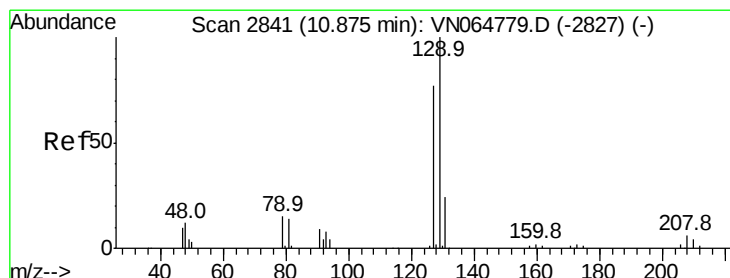
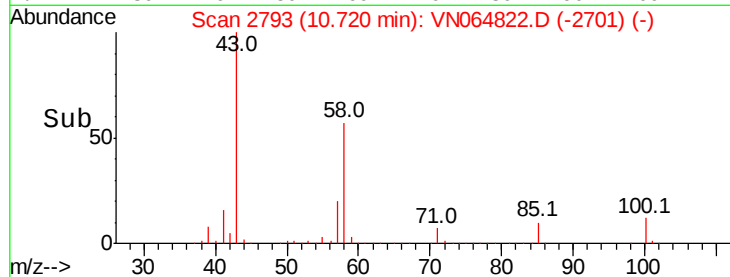
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 47.940 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064822.D

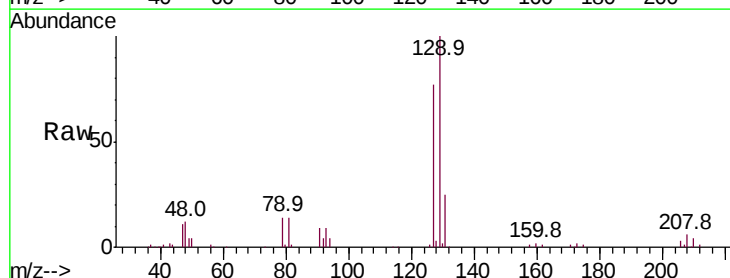
Acq: 24 Nov 2020 19:53

Tgt Ion: 129 Resp: 117905

Ion Ratio Lower Upper

129 100

127 77.3 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): VN064779.D (-2827) (-)

Ion 126.80 (126.50 to 127.50): VN064779.D (-2827) (-)

10.87

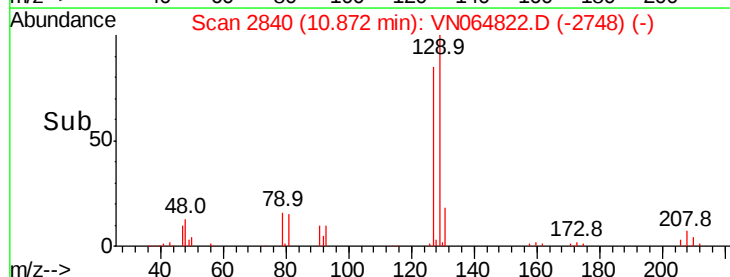
60000

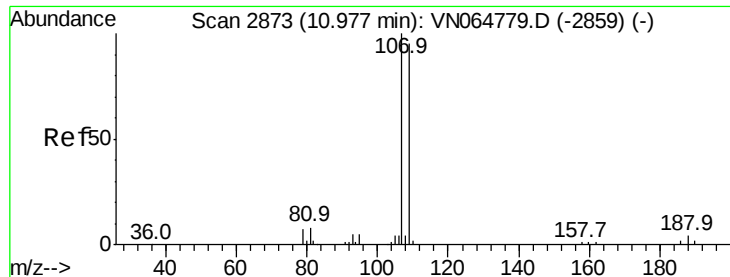
40000

20000

0

Time-->

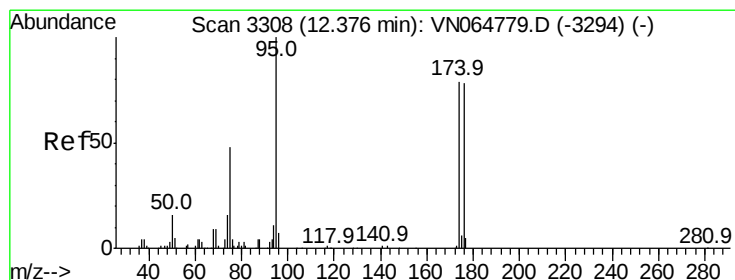
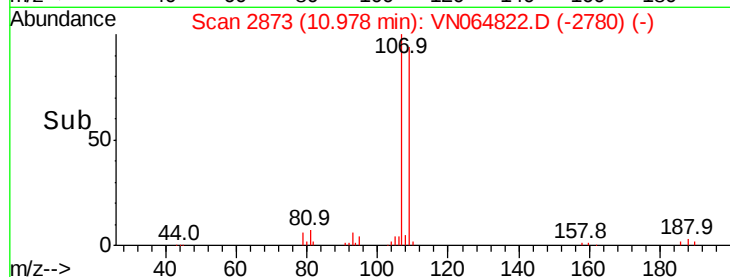
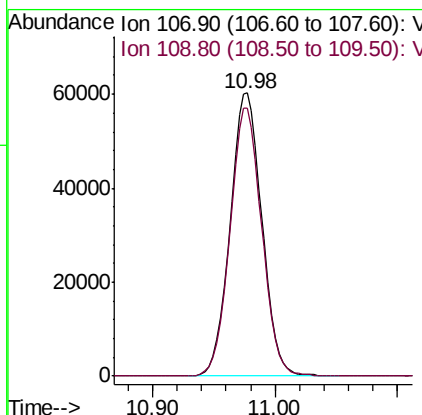
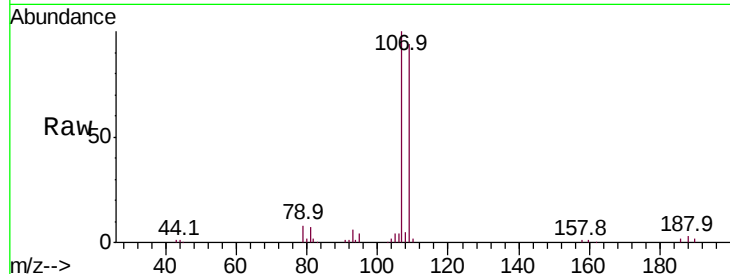




#61
 1,2-Dibromoethane
 Concen: 48.314 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

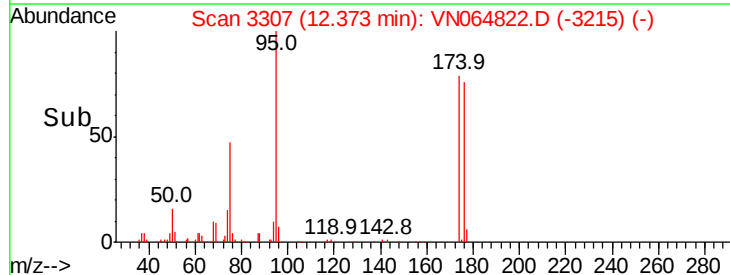
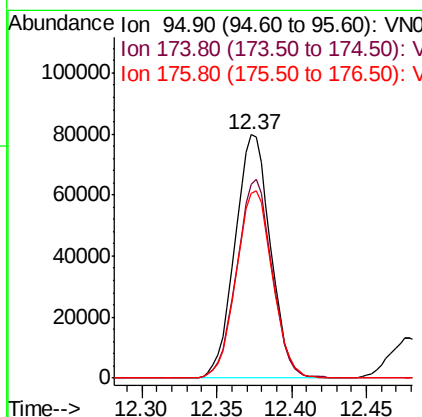
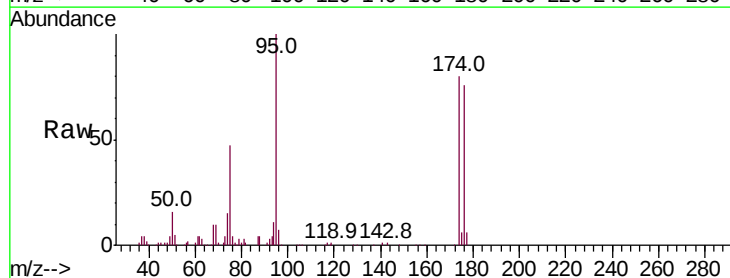
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

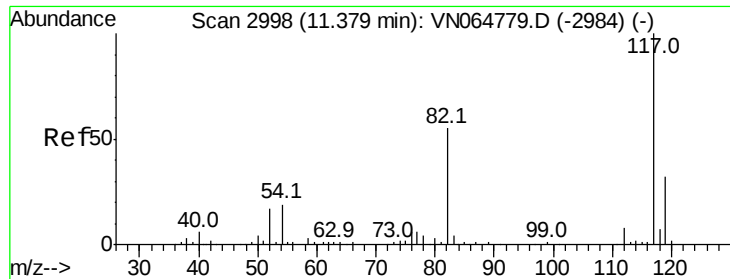
Tot Ion: 107 Resp: 108603
 Ion Ratio Lower Upper
 107 100
 109 94.9 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 49.013 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Tgt Ion: 95 Resp: 131915
 Ion Ratio Lower Upper
 95 100
 174 81.1 0.0 160.4
 176 78.2 0.0 158.4

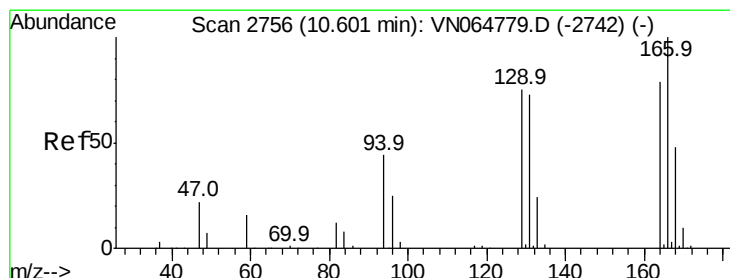
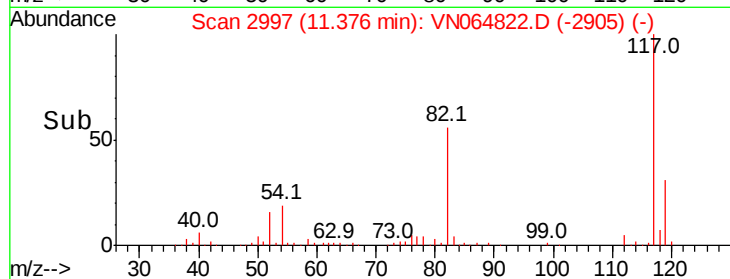
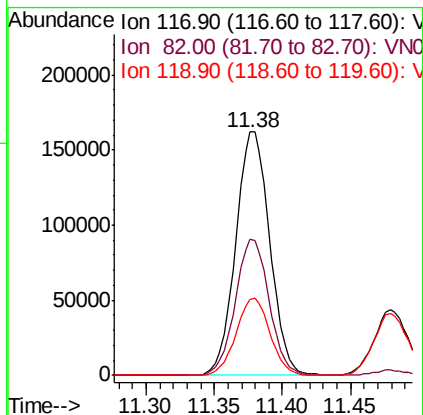
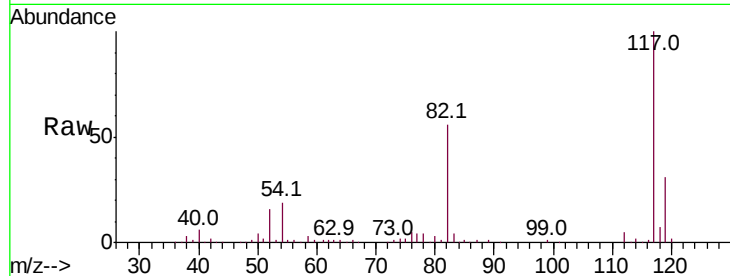




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

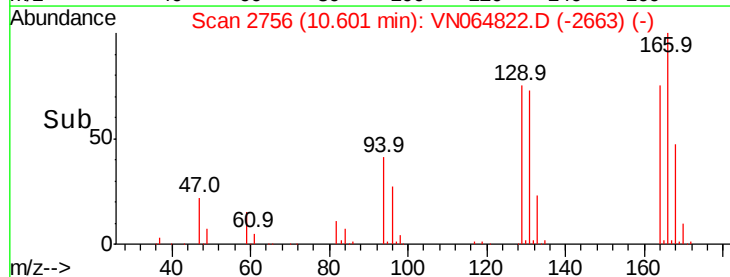
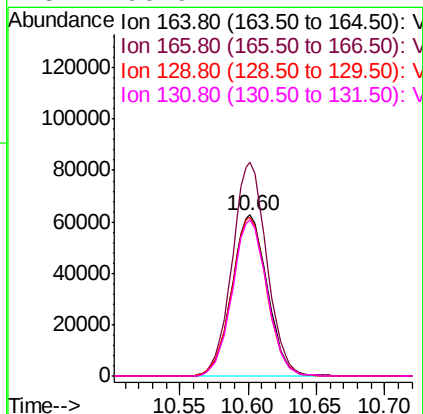
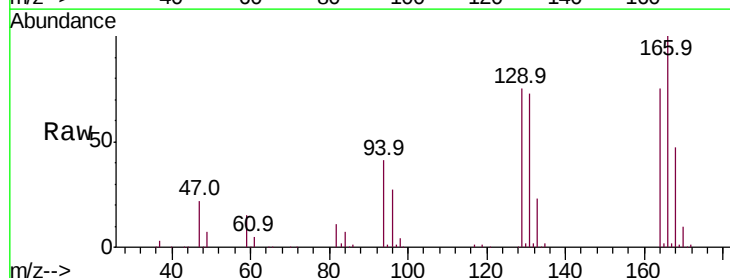
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

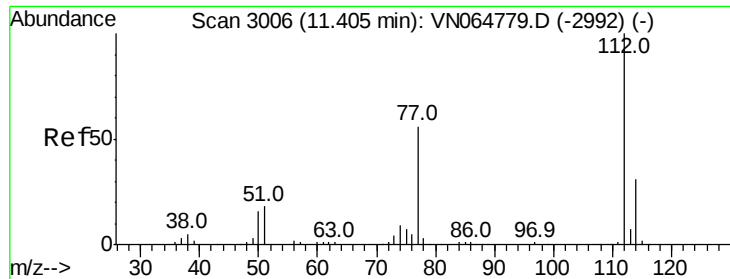
Tot Ion:117 Resp: 281448
Ion Ratio Lower Upper
117 100
82 55.7 44.2 66.2
119 31.4 25.8 38.6



#64
Tetrachloroethene
Concen: 41.073 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion:164 Resp: 112466
Ion Ratio Lower Upper
164 100
166 132.7 101.4 152.0
129 99.0 76.1 114.1
131 96.9 74.2 111.2

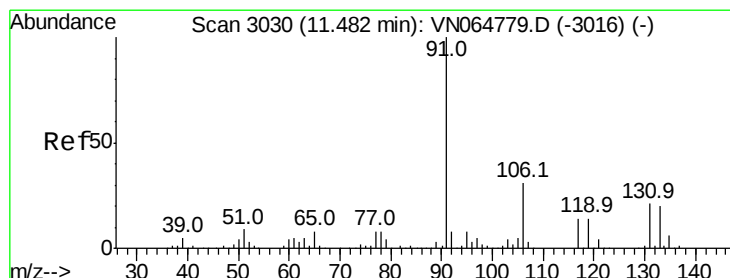
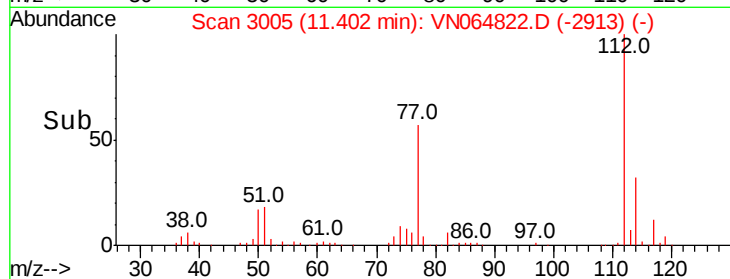
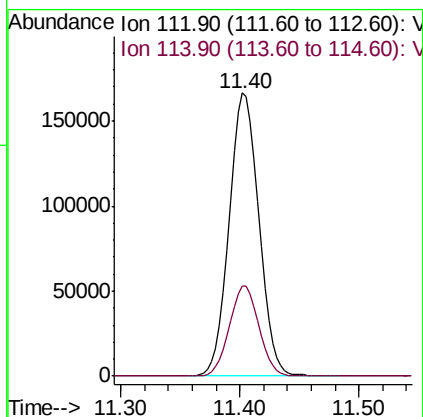
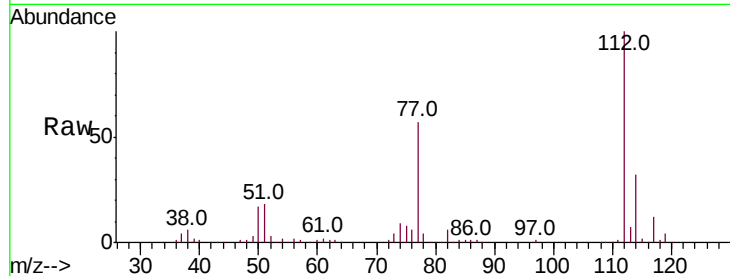




#65
Chlorobenzene
Concen: 47.772 ug/l
RT: 11.40 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

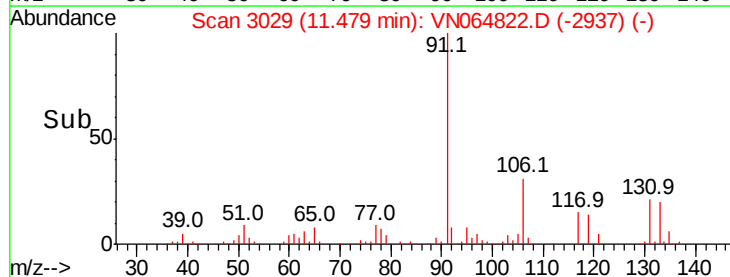
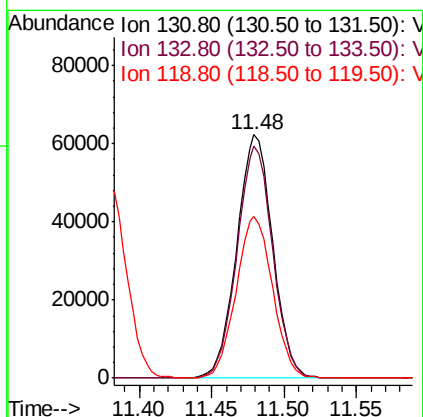
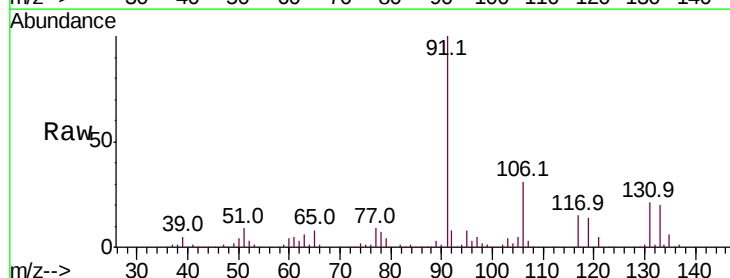
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

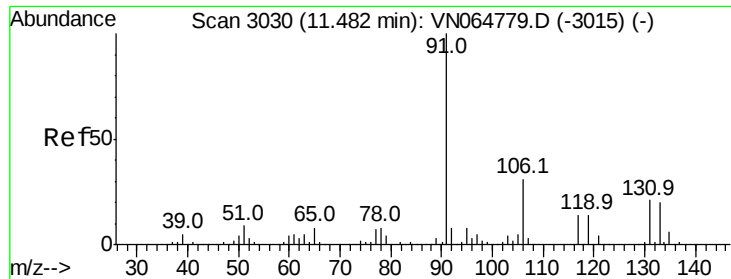
Tot Ion:112 Resp: 288734
Ion Ratio Lower Upper
112 100
114 31.6 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 48.259 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion:131 Resp: 107193
Ion Ratio Lower Upper
131 100
133 94.7 47.5 142.5
119 67.5 33.3 99.8

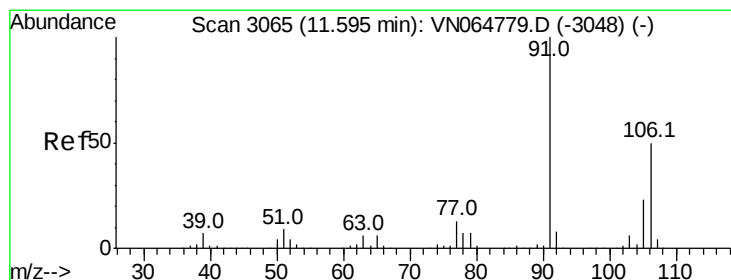
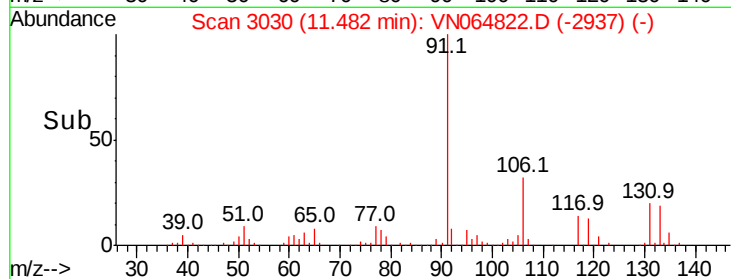
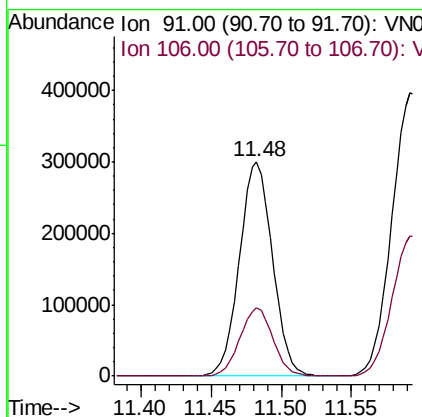
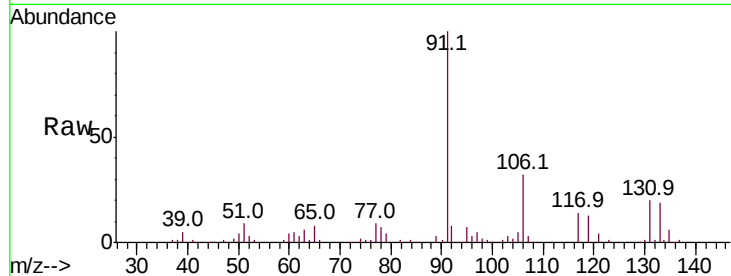




#67
Ethyl Benzene
Concen: 48.980 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

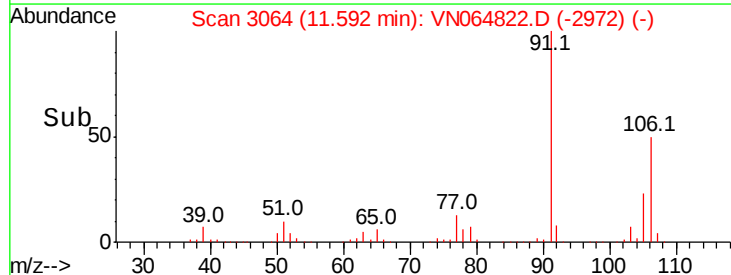
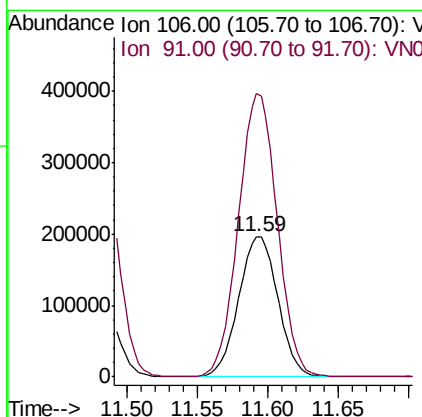
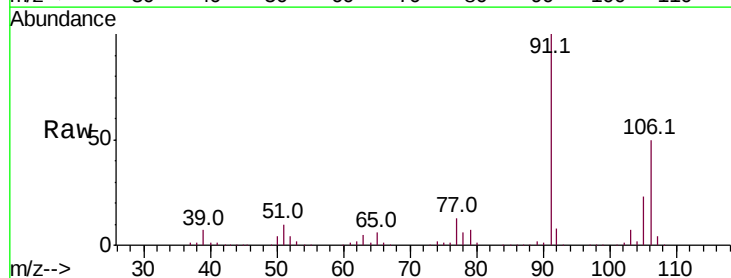
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

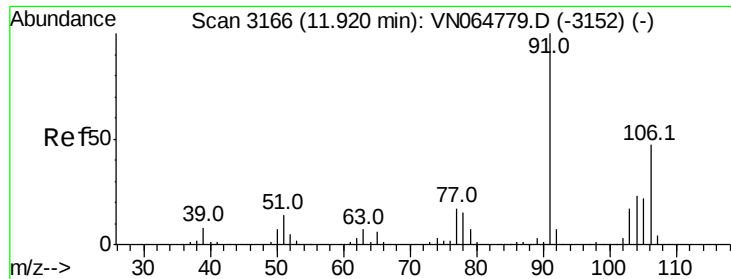
Tot Ion: 91 Resp: 494549
Ion Ratio Lower Upper
91 100
106 31.9 25.2 37.8



#68
m/p-Xylenes
Concen: 100.079 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 106 Resp: 382578
Ion Ratio Lower Upper
106 100
91 200.0 161.0 241.4

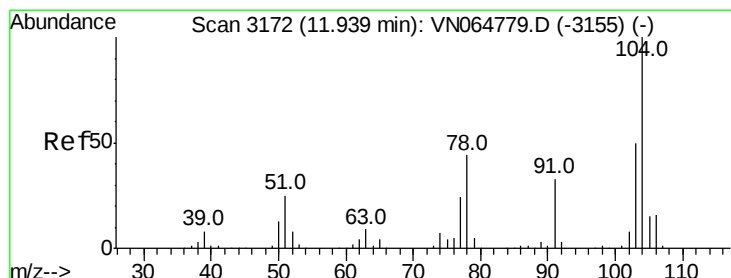
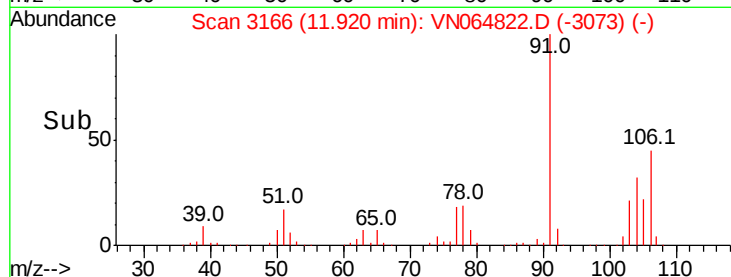
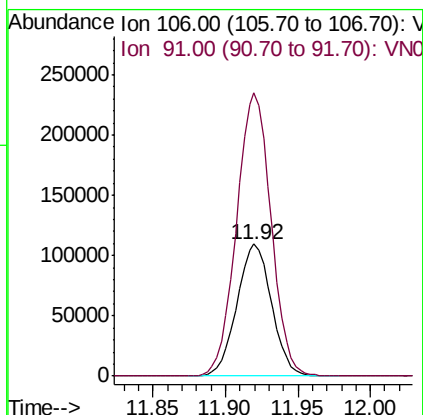
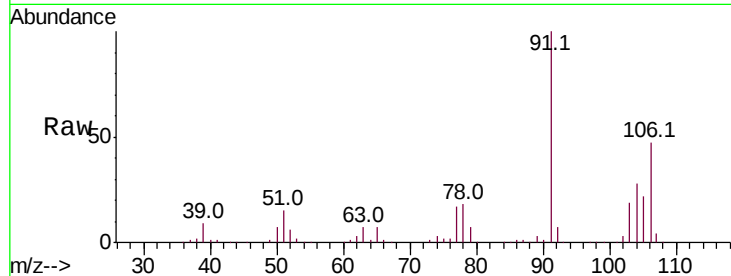




#69
o-Xylene
Concen: 50.166 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

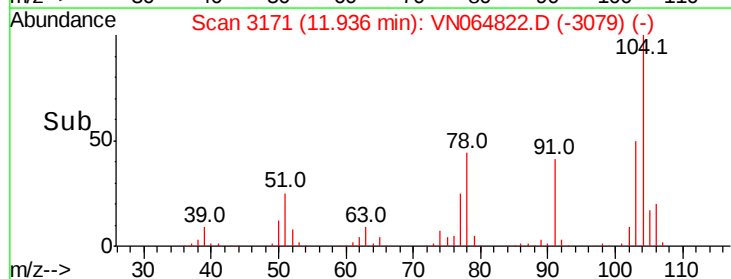
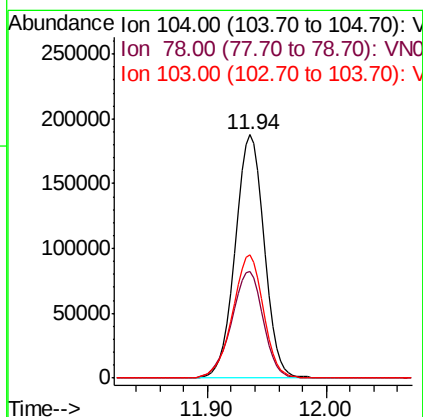
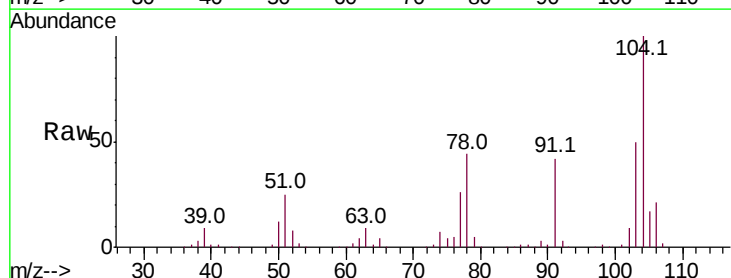
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

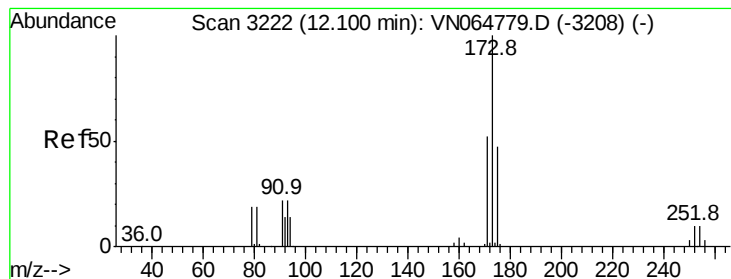
Tot Ion:106 Resp: 181982
Ion Ratio Lower Upper
106 100
91 213.5 105.5 316.5



#70
Styrene
Concen: 51.798 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion:104 Resp: 317209
Ion Ratio Lower Upper
104 100
78 48.0 39.0 58.6
103 54.0 44.3 66.5





#71

Bromoform

Concen: 46.447 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

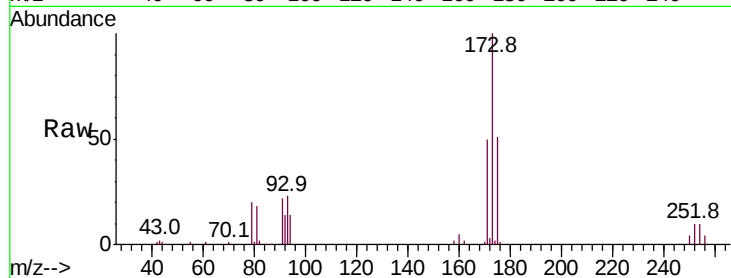
Tot Ion:173 Resp: 82401

Ion Ratio Lower Upper

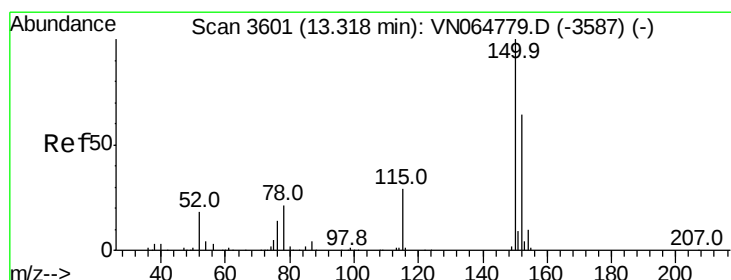
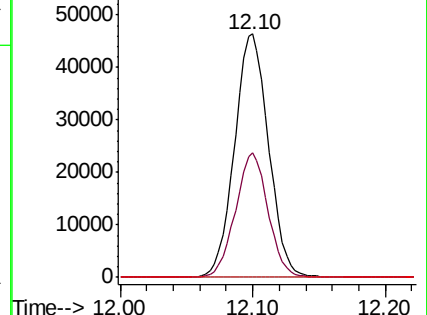
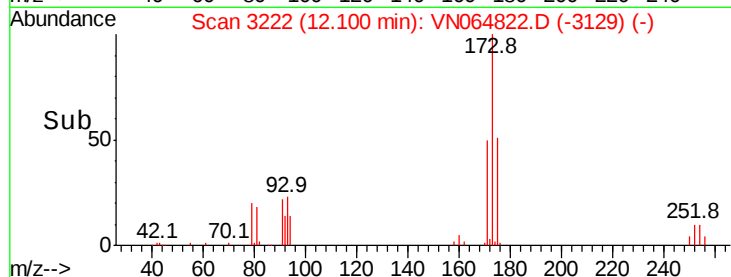
173 100

175 48.9 24.3 72.8

254 0.0 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# 3600

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

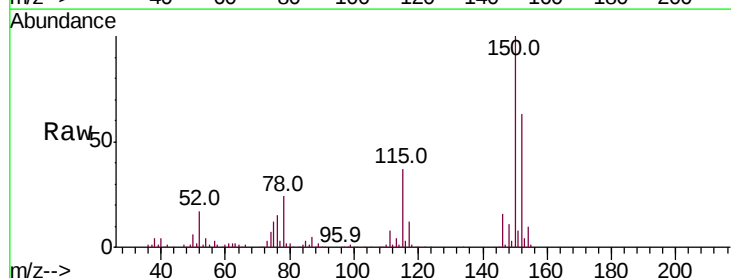
Tgt Ion:152 Resp: 137075

Ion Ratio Lower Upper

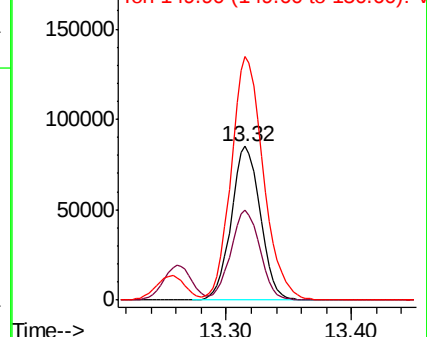
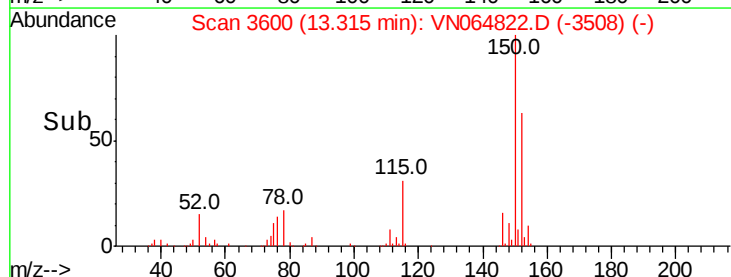
152 100

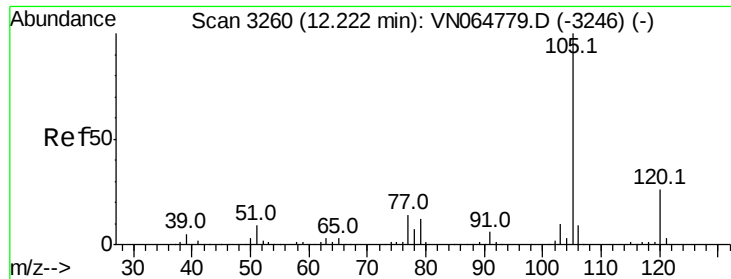
115 58.7 29.7 89.1

150 173.6 0.0 350.6



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: 51.417 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

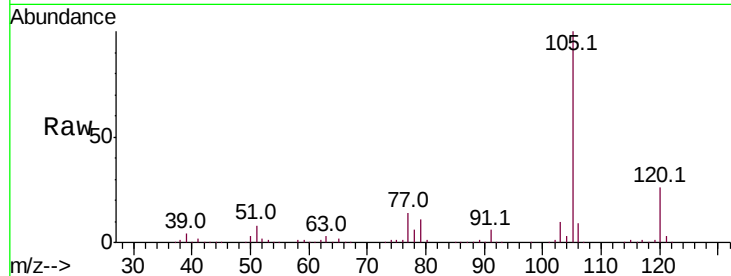
VSTDCCC050EC

Tot Ion:105 Resp: 490239

Ion Ratio Lower Upper

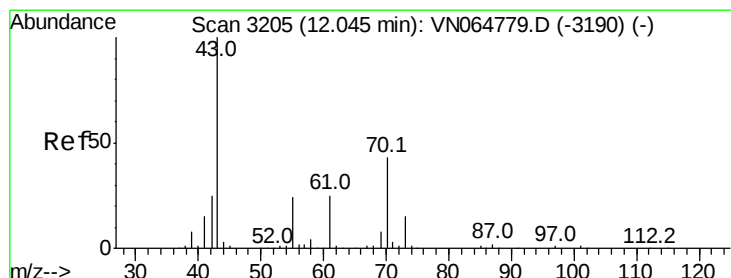
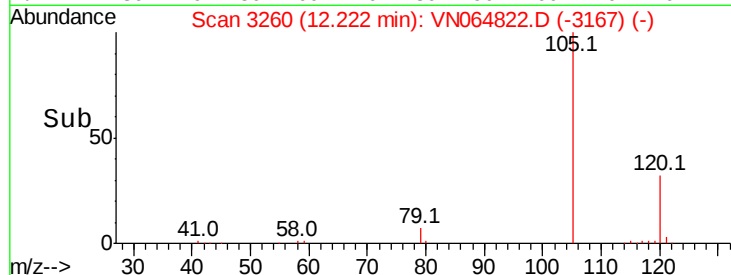
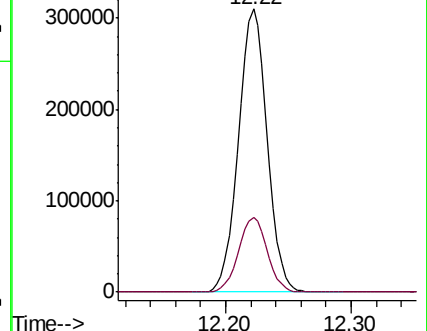
105 100

120 26.5 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.112 ug/l

RT: 12.04 min Scan# 3204

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Tgt Ion: 43 Resp: 184276

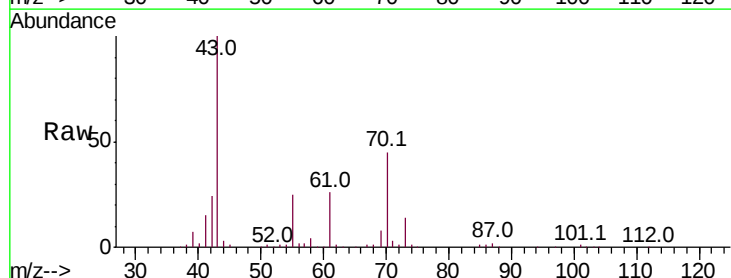
Ion Ratio Lower Upper

43 100

70 44.5 34.5 51.7

55 24.8 20.4 30.6

61 25.4 20.0 30.0

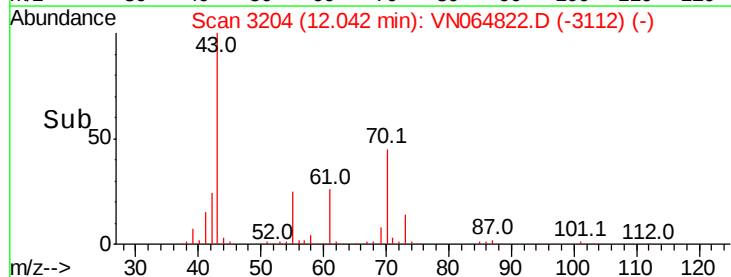
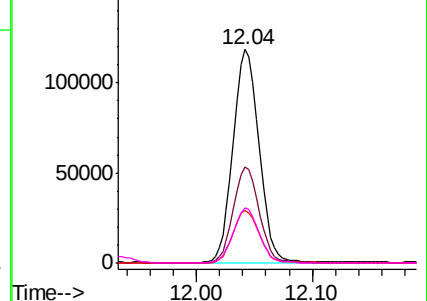


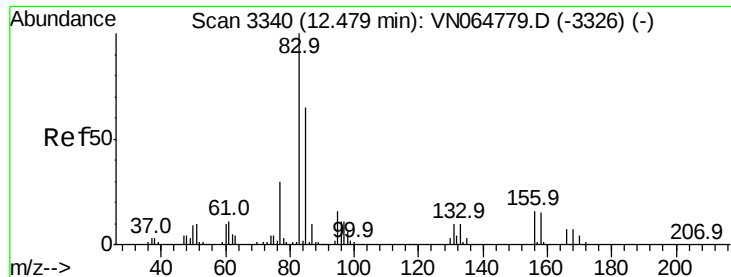
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.979 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

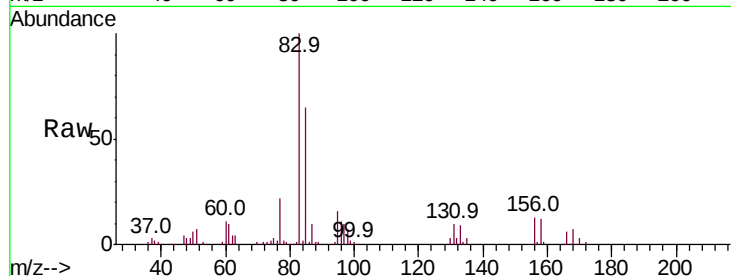
Tot Ion: 83 Resp: 139671

Ion Ratio Lower Upper

83 100

131 10.2 5.1 15.3

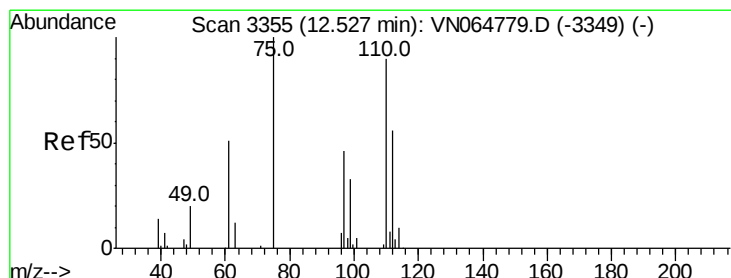
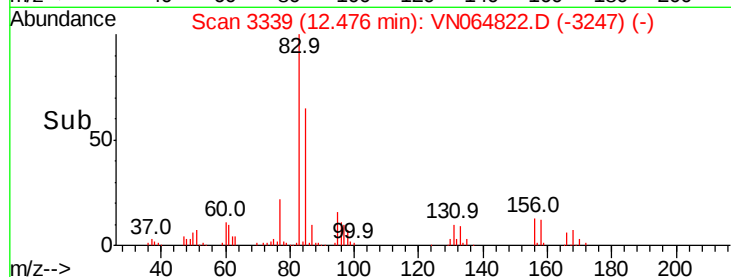
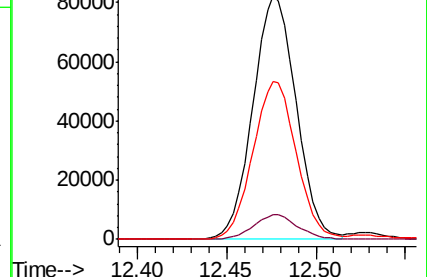
85 65.1 33.0 99.0



Abundance Ion 82.90 (82.60 to 83.60): VN064779.D (-3326) (-)

Ion 130.80 (130.50 to 131.50): VN064779.D (-3326) (-)

Ion 84.90 (84.60 to 85.60): VN064779.D (-3326) (-)



#76

1,2,3-Trichloropropane

Concen: 64.850 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN064822.D

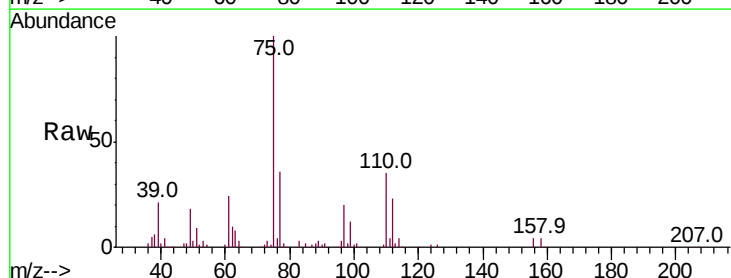
Acq: 24 Nov 2020 19:53

Tgt Ion: 75 Resp: 191438

Ion Ratio Lower Upper

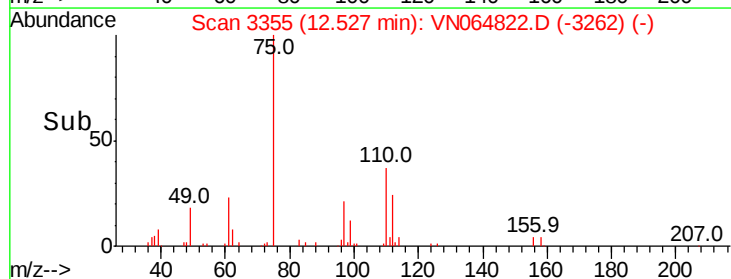
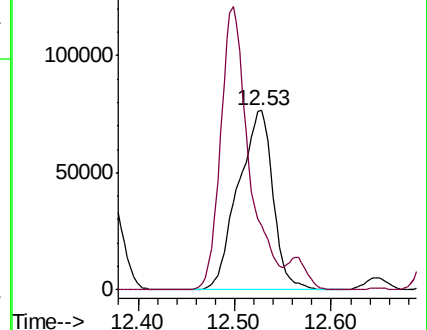
75 100

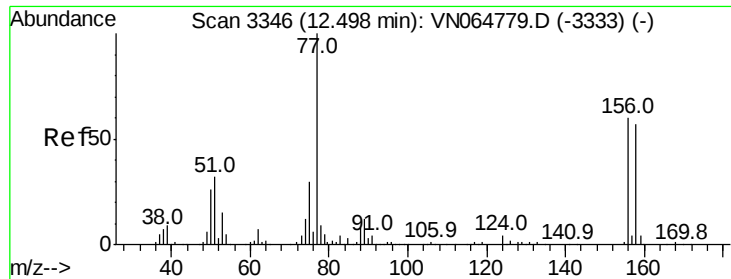
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN064779.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN064779.D (-3349) (-)





#77

Bromobenzene

Concen: 47.647 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

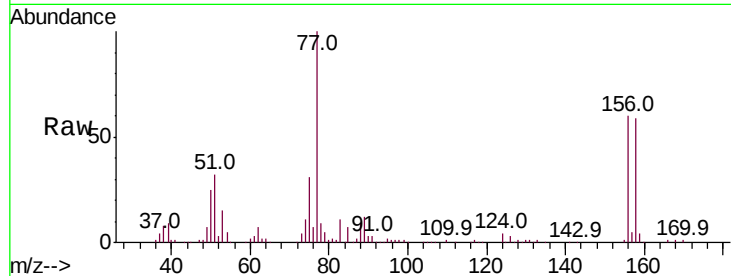
Tot Ion:156 Resp: 122477

Ion Ratio Lower Upper

156 100

77 202.1 101.3 303.7

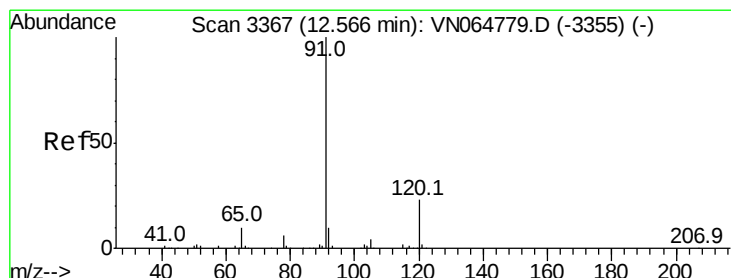
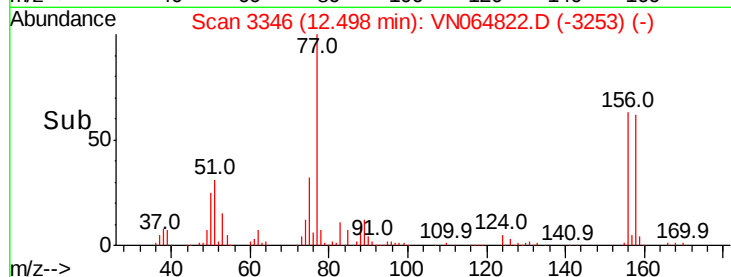
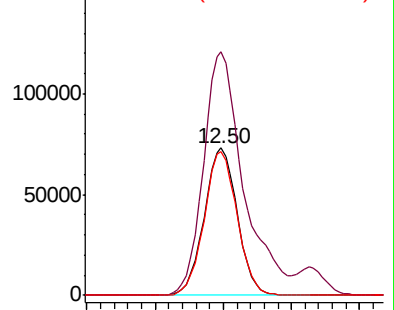
158 97.5 48.2 144.6



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: 49.941 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064822.D

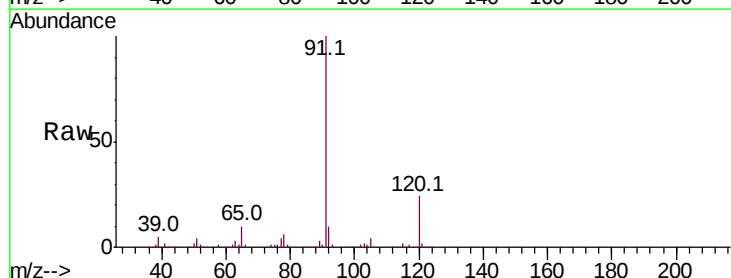
Acq: 24 Nov 2020 19:53

Tgt Ion: 91 Resp: 542449

Ion Ratio Lower Upper

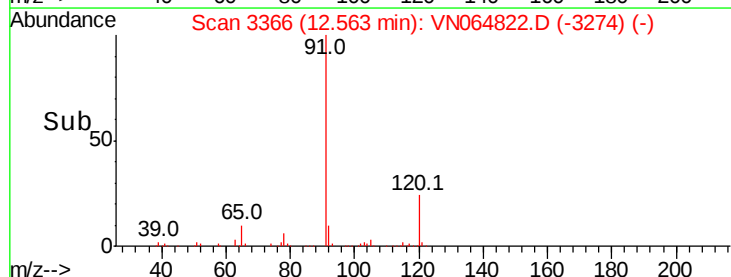
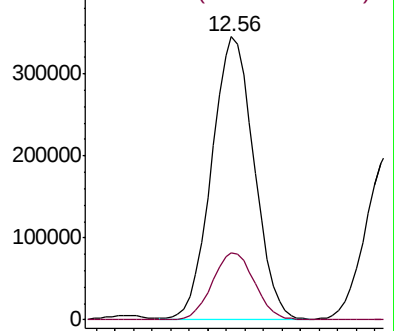
91 100

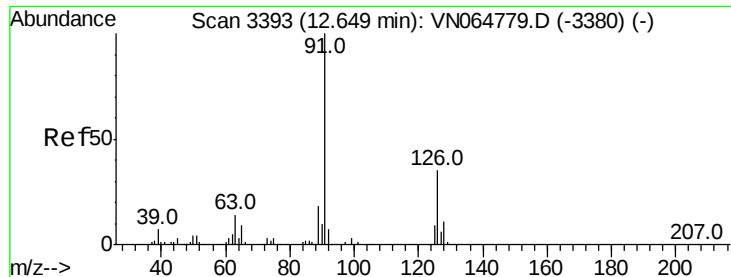
120 23.9 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.799 ug/l

RT: 12.65 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

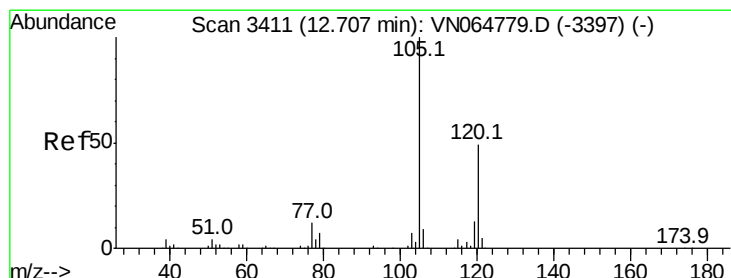
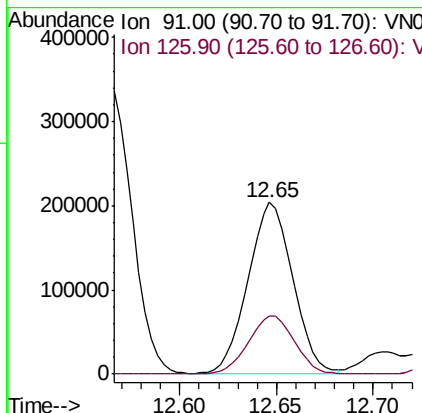
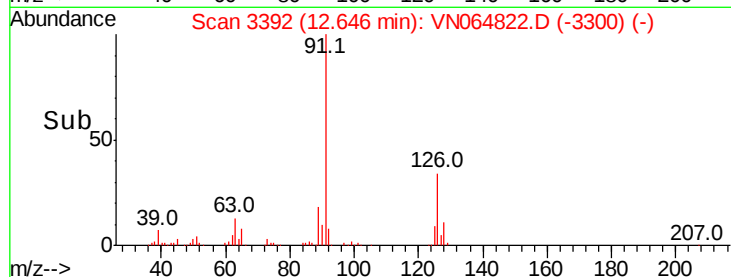
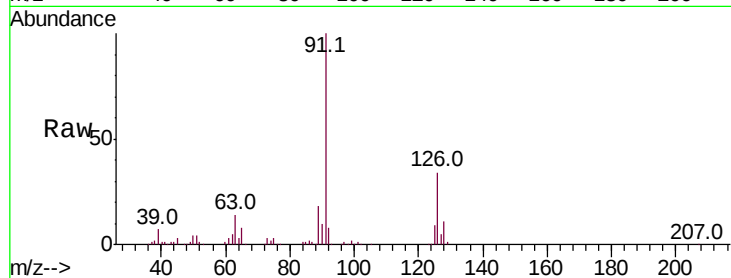
VSTDCCC050EC

Tot Ion: 91 Resp: 327638

Ion Ratio Lower Upper

91 100

126 34.9 17.2 51.6



#80

1,3,5-Trimethylbenzene

Concen: 52.319 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064822.D

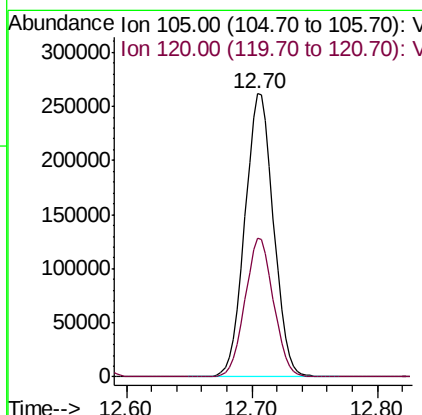
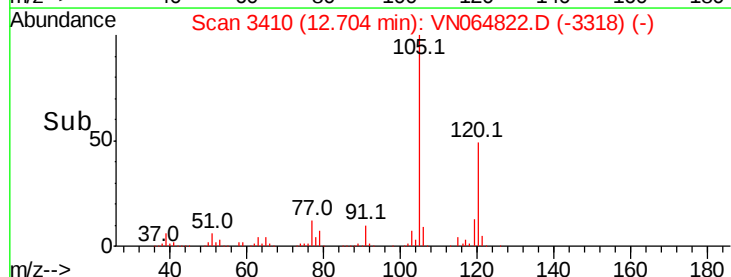
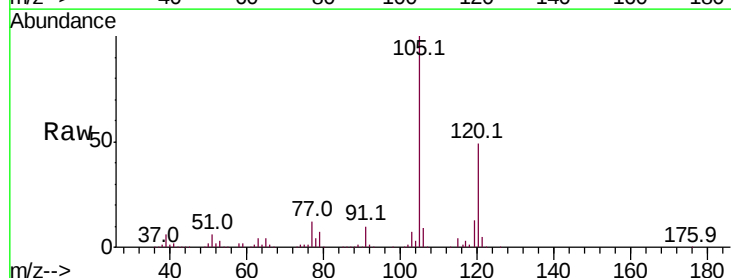
Acq: 24 Nov 2020 19:53

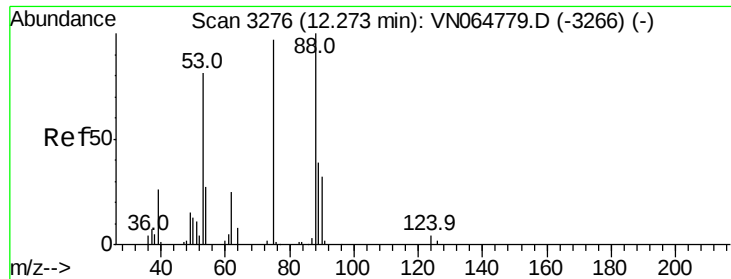
Tgt Ion: 105 Resp: 414631

Ion Ratio Lower Upper

105 100

120 48.9 24.6 73.6

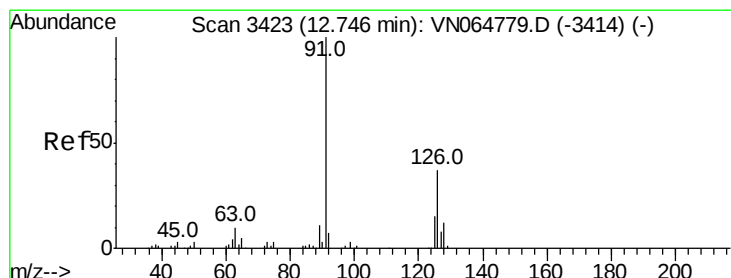
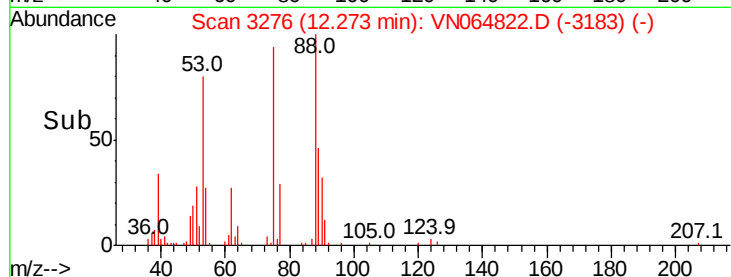
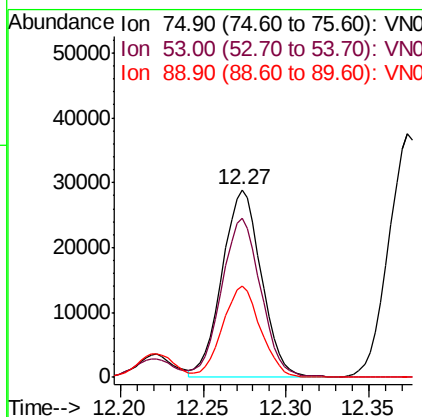
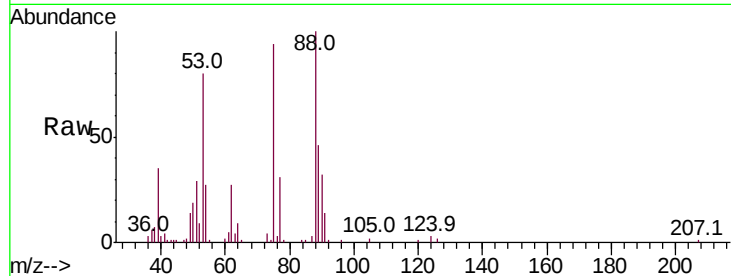




#81
trans-1,4-Dichloro-2-butene
Concen: 44.345 ug/l
RT: 12.27 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

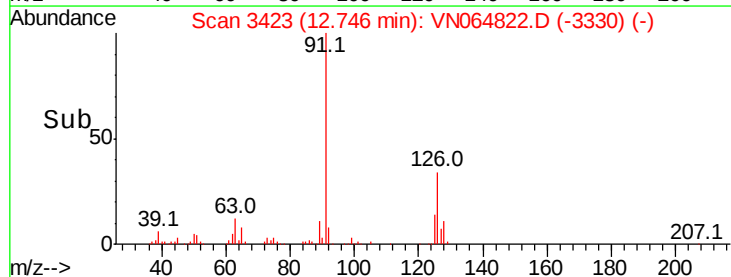
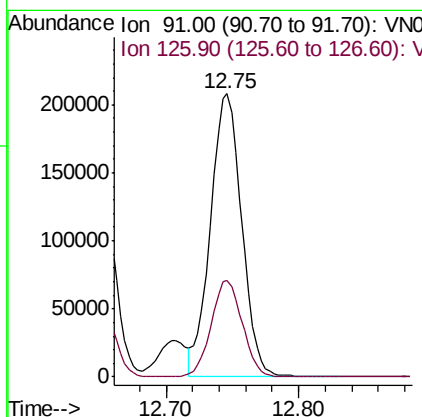
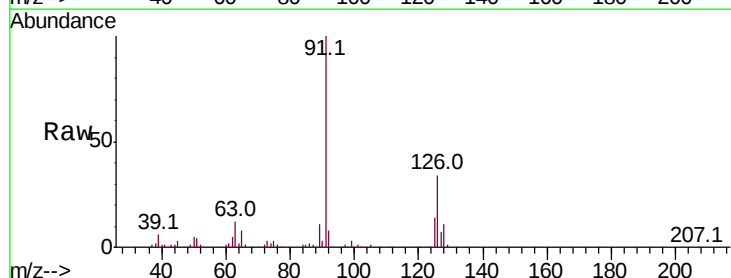
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

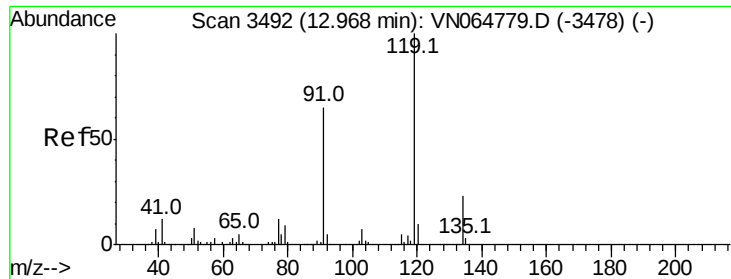
Tot Ion: 75 Resp: 47763
Ion Ratio Lower Upper
75 100
53 84.9 67.0 100.4
89 46.8 39.6 59.4



#82
4-Chlorotoluene
Concen: 48.212 ug/l
RT: 12.75 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 91 Resp: 339300
Ion Ratio Lower Upper
91 100
126 34.2 16.9 50.7

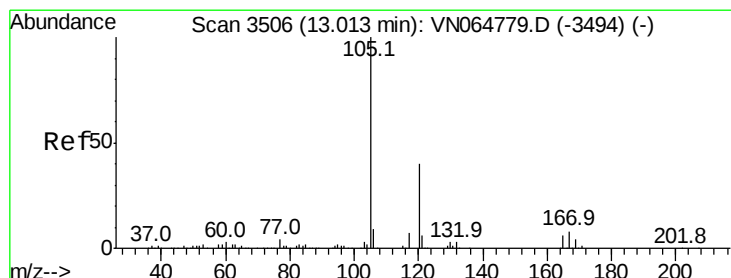
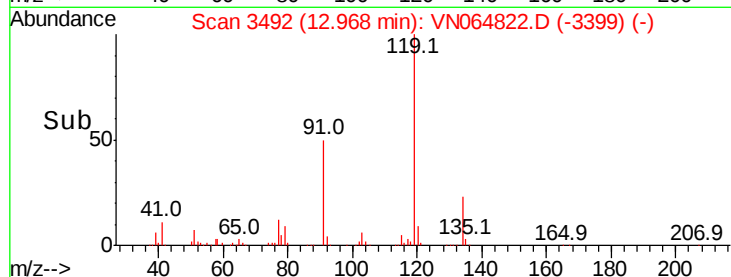
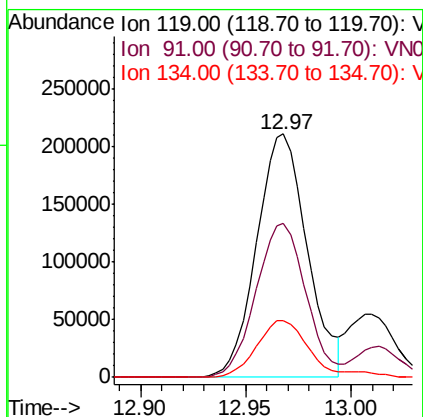
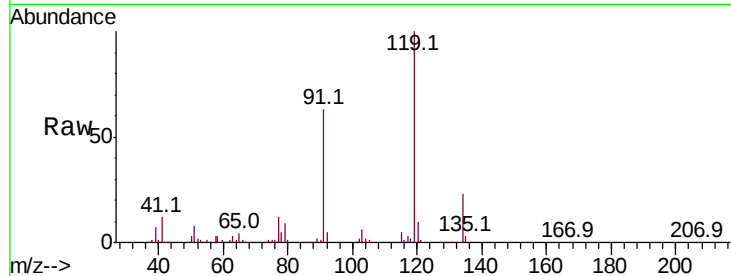




#83
tert-Butylbenzene
Concen: 52.987 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

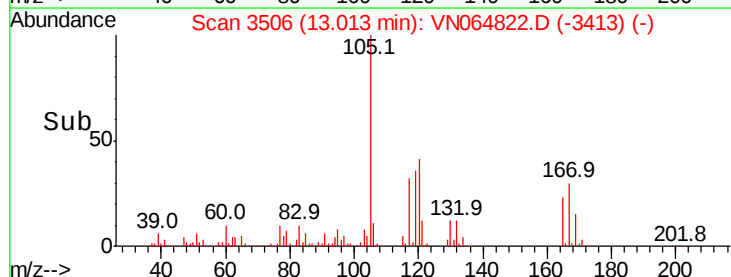
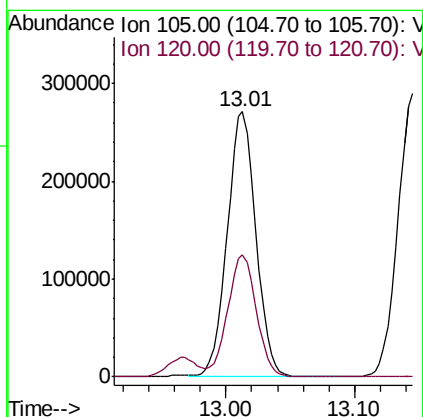
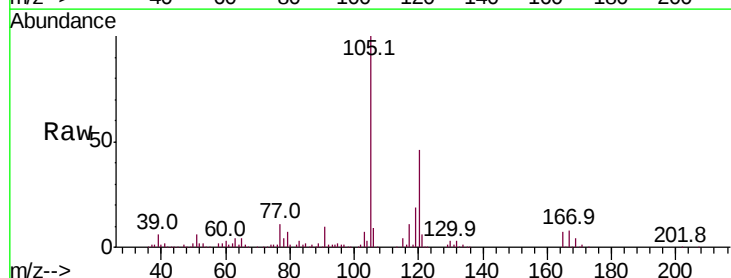
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

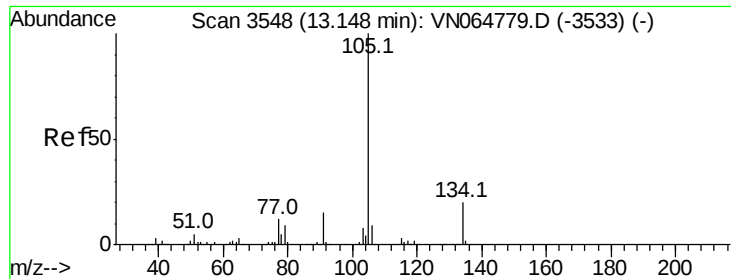
Tot Ion:119 Resp: 351982
Ion Ratio Lower Upper
119 100
91 62.2 32.3 96.8
134 25.0 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 51.959 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion:105 Resp: 416340
Ion Ratio Lower Upper
105 100
120 46.2 23.1 69.2





#85

sec-Butylbenzene

Concen: 51.556 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

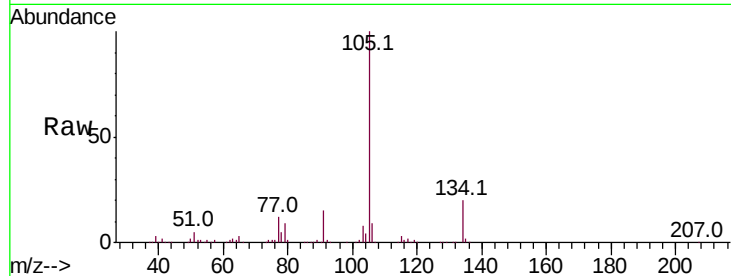
VSTDCCC050EC

Tot Ion:105 Resp: 454715

Ion Ratio Lower Upper

105 100

134 19.9 10.1 30.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

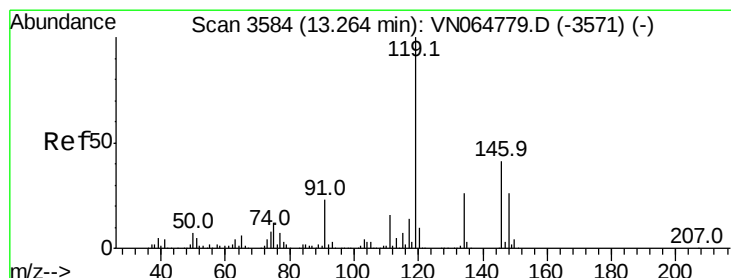
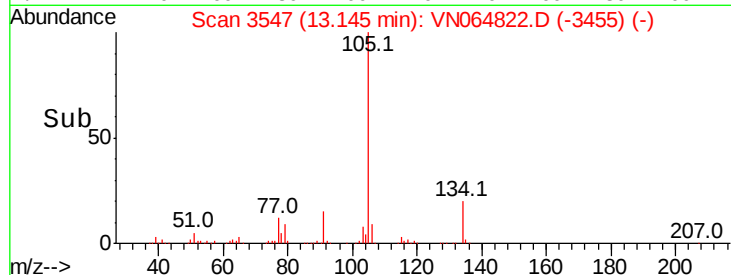
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.926 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

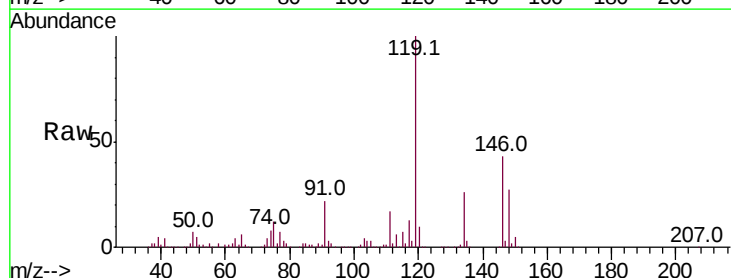
Tgt Ion:119 Resp: 424987

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.4 11.5 34.5



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

13.26

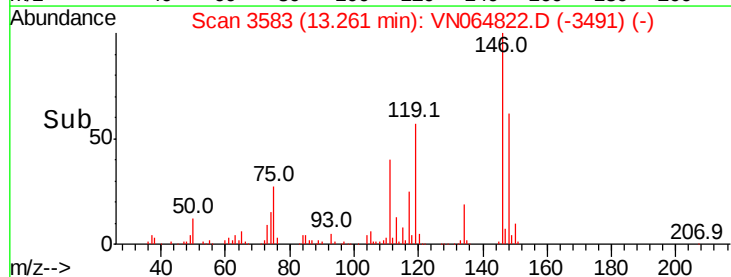
300000

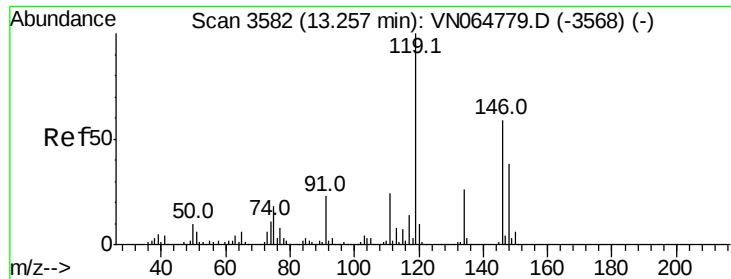
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 47.952 ug/l

RT: 13.25 min Scan# 3581

Delta R.T. -0.00 min

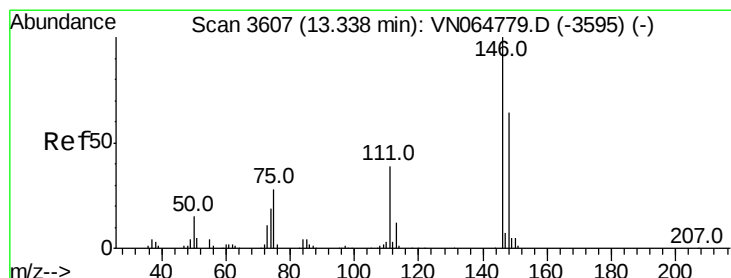
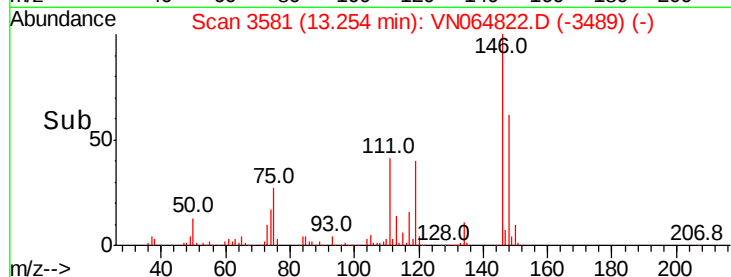
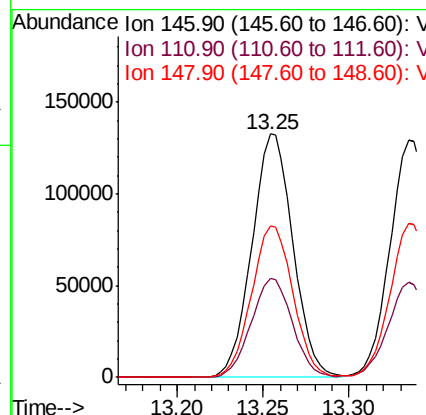
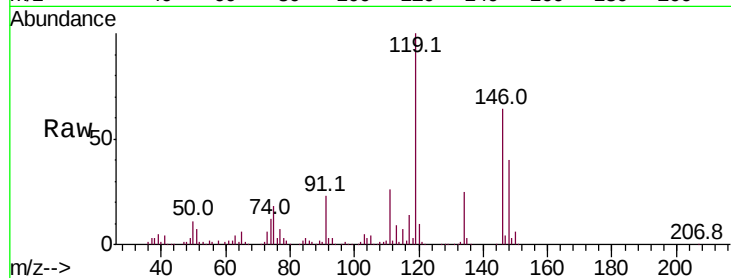
Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:146 Resp: 218993

Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.9
148	62.9	31.9	95.5



#88

1,4-Dichlorobenzene

Concen: 44.683 ug/l

RT: 13.33 min Scan# 3606

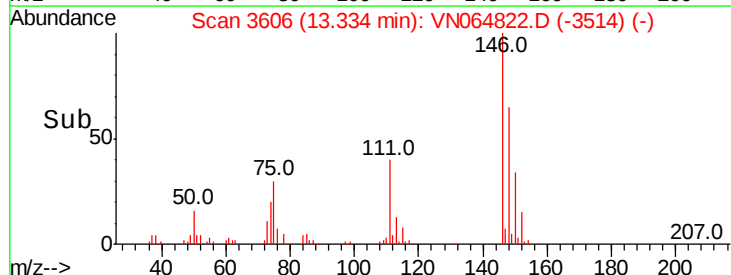
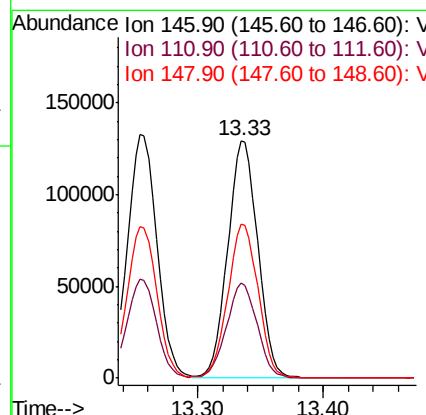
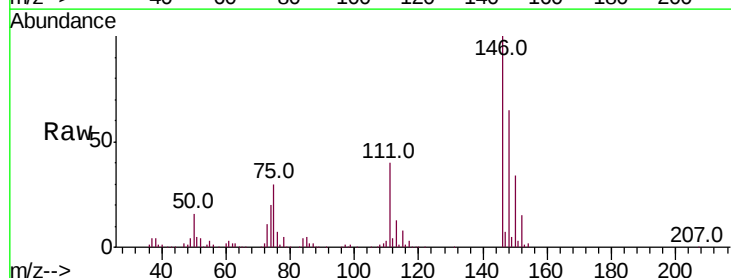
Delta R.T. -0.00 min

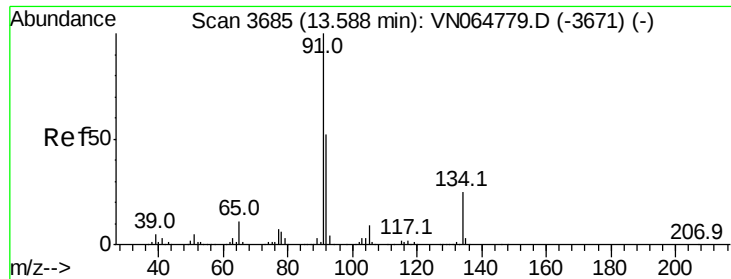
Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Tgt Ion:146 Resp: 215806

Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.8	59.3
148	65.5	31.9	95.5

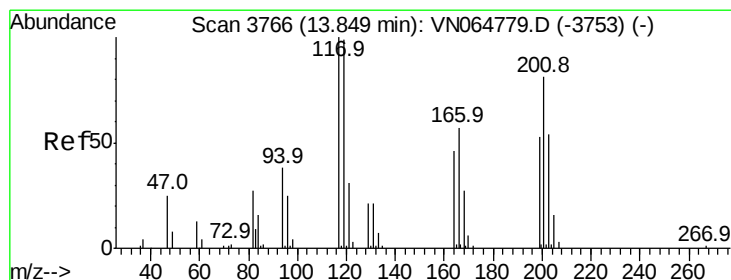
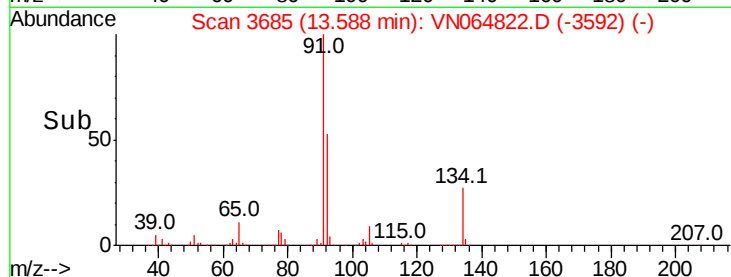
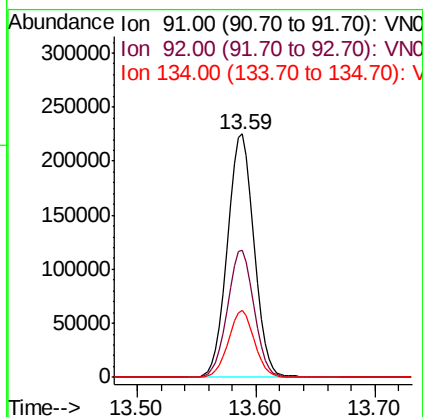
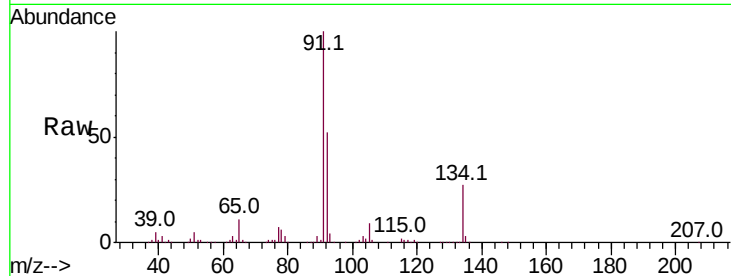




#89
n-Butylbenzene
Concen: 49.591 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

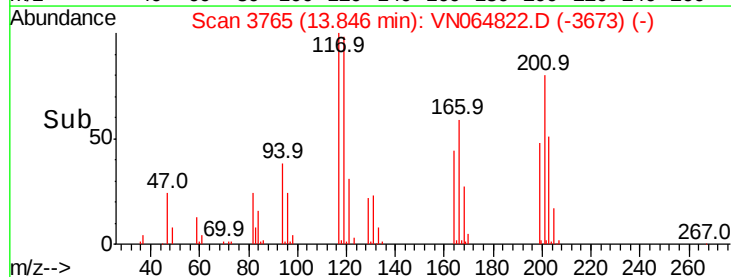
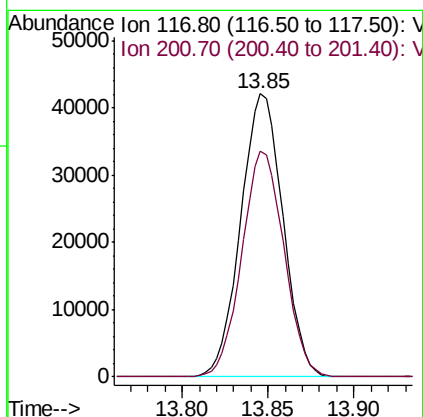
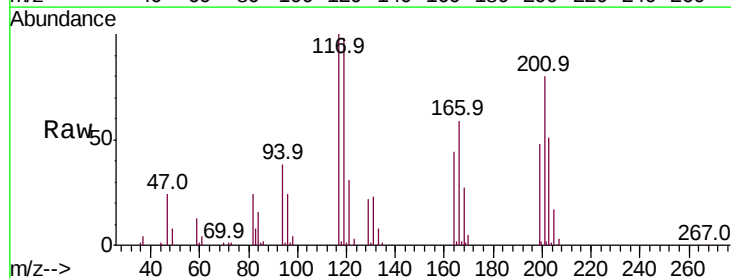
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

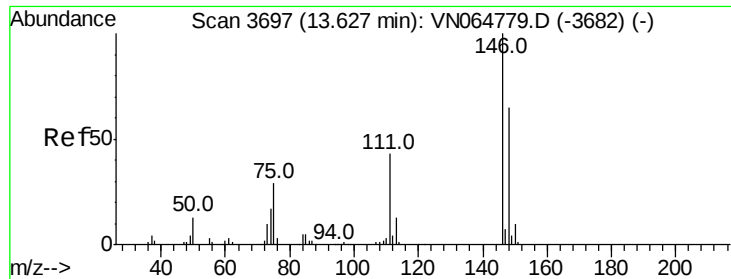
Tot Ion: 91 Resp: 349703
Ion Ratio Lower Upper
91 100
92 52.3 26.0 78.0
134 26.8 12.9 38.6



#90
Hexachloroethane
Concen: 51.286 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064822.D
Acq: 24 Nov 2020 19:53

Tgt Ion: 117 Resp: 71541
Ion Ratio Lower Upper
117 100
201 79.6 40.1 120.3

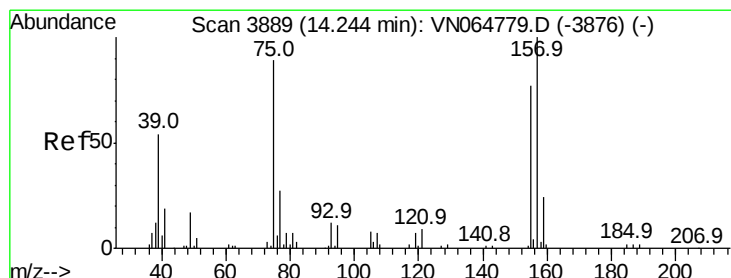
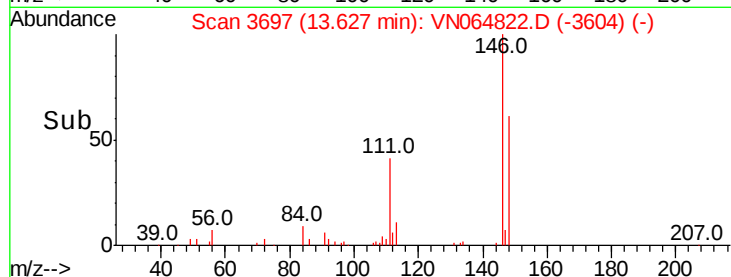
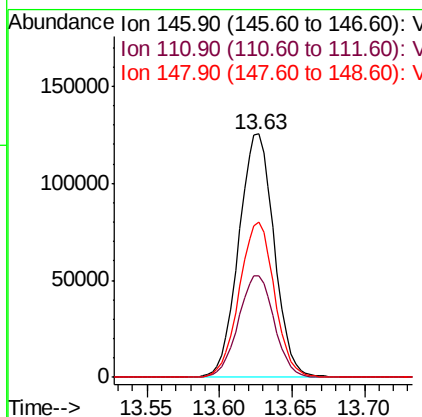
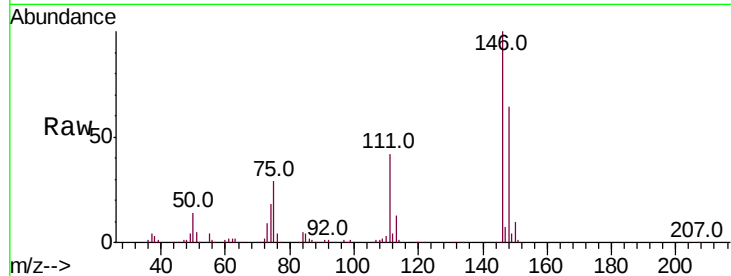




#91
 1,2-Dichlorobenzene
 Concen: 47.523 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

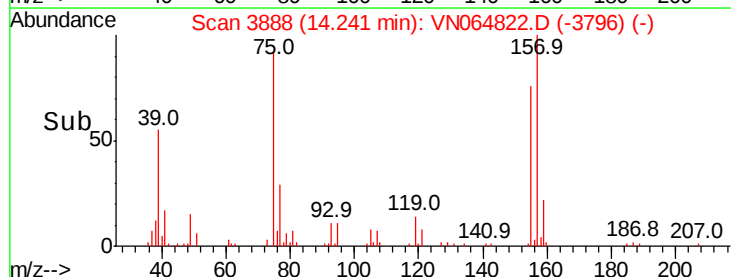
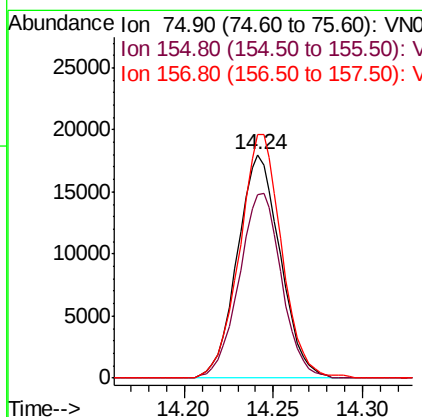
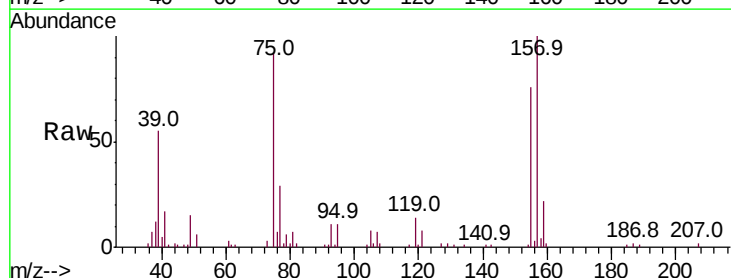
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

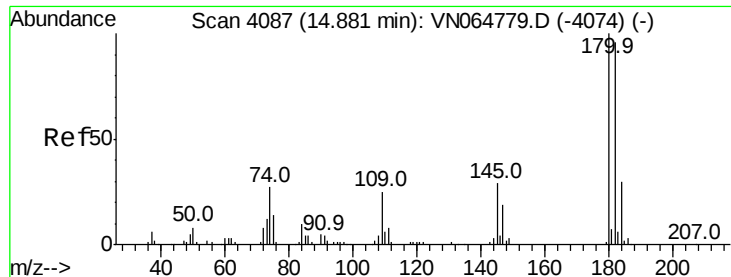
Tot Ion:146 Resp: 213104
 Ion Ratio Lower Upper
 146 100
 111 42.3 21.1 63.1
 148 63.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.973 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Tgt Ion: 75 Resp: 30166
 Ion Ratio Lower Upper
 75 100
 155 82.0 42.8 128.3
 157 107.6 56.4 169.1

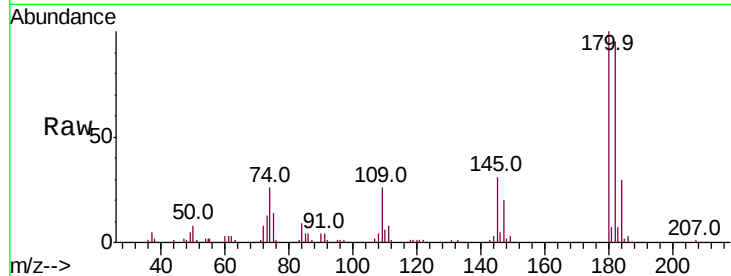




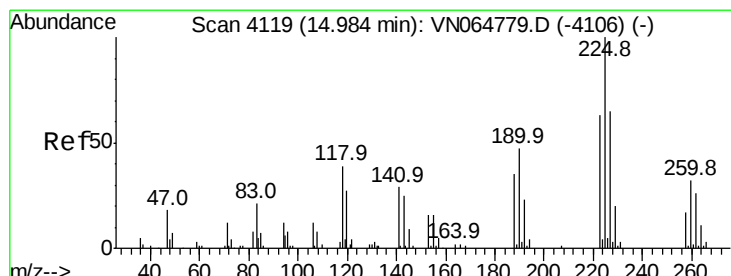
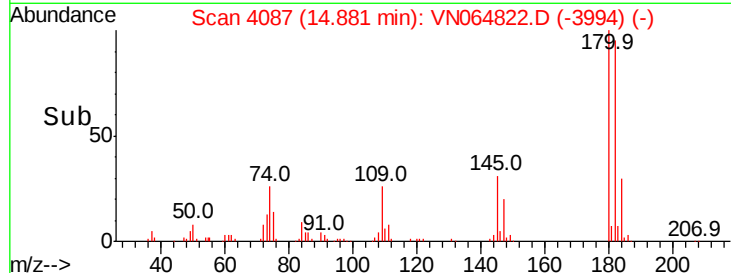
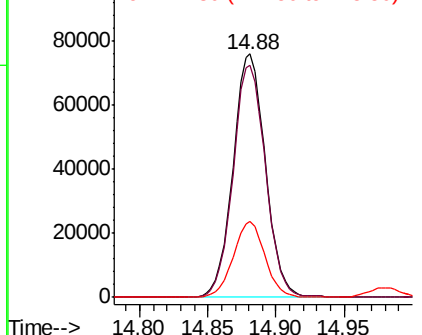
#93
 1,2,4-Trichlorobenzene
 Concen: 45.125 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:180 Resp: 125177
 Ion Ratio Lower Upper
 180 100
 182 95.6 47.6 142.9
 145 30.4 15.3 45.8

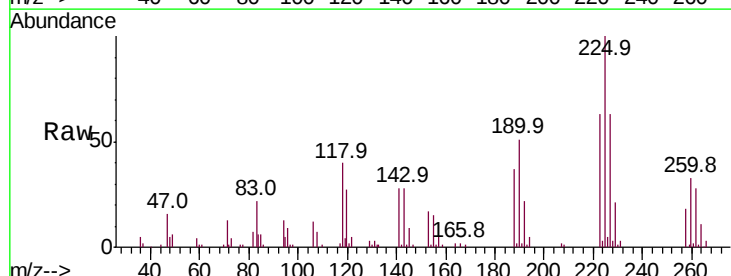


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

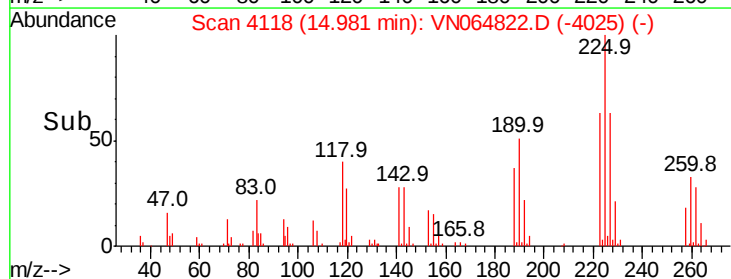
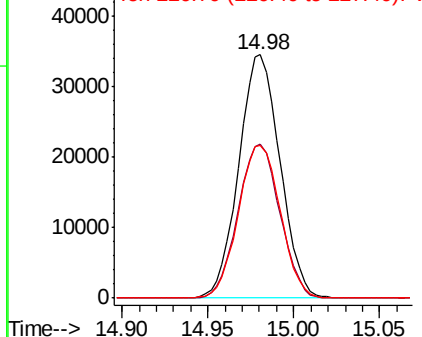


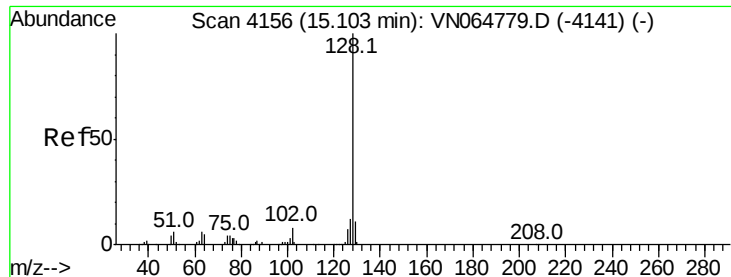
#94
 Hexachlorobutadiene
 Concen: 46.154 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064822.D
 Acq: 24 Nov 2020 19:53

Tgt Ion:225 Resp: 57618
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.0 93.0
 227 63.7 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 46.742 ug/l

RT: 15.10 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

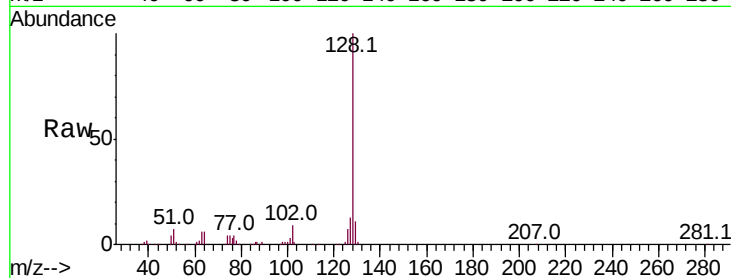
Tot Ion:128 Resp: 388449

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

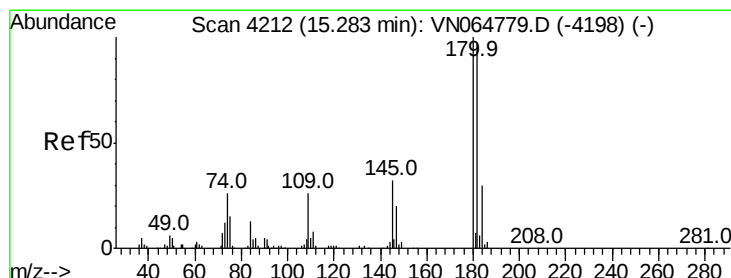
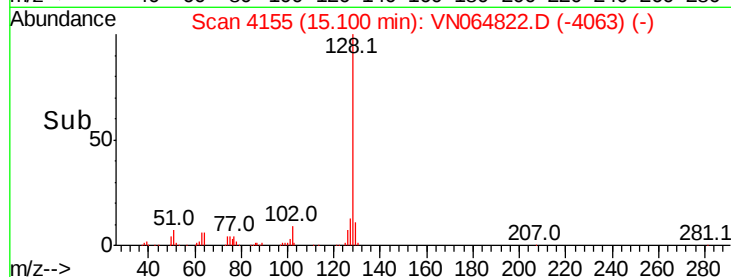
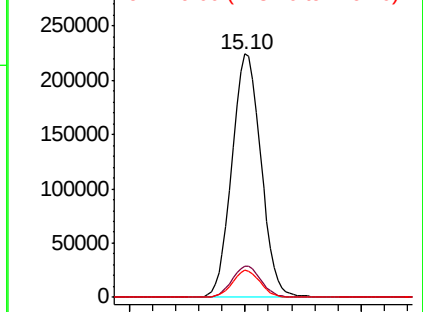
129 10.7 8.7 13.1



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: 46.906 ug/l

RT: 15.28 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN064822.D

Acq: 24 Nov 2020 19:53

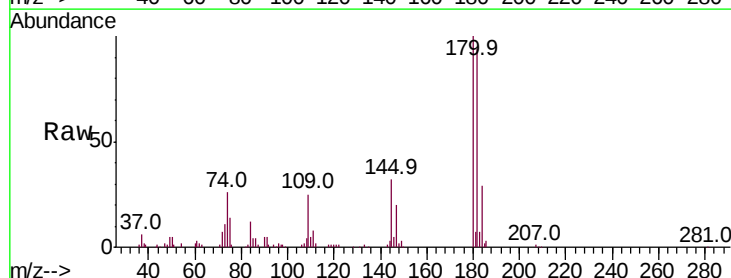
Tgt Ion:180 Resp: 123417

Ion Ratio Lower Upper

180 100

182 95.4 48.1 144.4

145 31.6 16.4 49.1



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

