

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102620\
 Data File : VN064315.D
 Acq On : 26 Oct 2020 21:26
 Operator : JC/MD
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 27 02:38:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102620W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Oct 26 17:44:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	45605	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	257090	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	234041	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	132911	32.39	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	107.97%
60) 4-Bromofluorobenzene	12.38	95	127943	30.56	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	101.87%
63) Toluene-d8	10.06	98	321395	30.79	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	73660	19.749 ug/l	92
3) Chloromethane	2.04	50	65530	18.803 ug/l	98
4) Vinyl Chloride	2.16	62	65171	19.180 ug/l	98
5) Bromomethane	2.53	94	42496	20.262 ug/l	98
6) Chloroethane	2.67	64	36832	19.405 ug/l	99
7) Trichlorofluoromethane	2.98	101	107129	20.465 ug/l	93
8) Diethyl Ether	3.37	74	31801	18.964 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52552	19.708 ug/l	95
10) 1,1-Dichloroethene	3.69	96	48863	19.069 ug/l	98
11) Methyl Iodide	3.91	142	68327	18.621 ug/l	95
12) Methyl Acetate	4.28	43	56216	18.321 ug/l #	91
13) Acrolein	3.57	56	17098	84.370 ug/l	95
14) Acrylonitrile	4.93	53	123158	92.279 ug/l	99
15) Acetone	3.78	58	32581	88.747 ug/l	97
16) Carbon Disulfide	4.01	76	142948	18.793 ug/l	97
17) Allyl chloride	4.28	41	92187	18.948 ug/l	97
18) Methylene Chloride	4.50	84	55223	18.925 ug/l	92
19) trans-1,2-Dichloroethene	4.99	96	52764	18.972 ug/l	92
20) Diisopropyl ether	5.90	45	182971	18.580 ug/l	93
21) 1,1-Dichloroethane	5.80	63	103178	18.704 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	59447	18.524 ug/l	99
23) tert-Butyl Alcohol	4.73	59	57750	95.074 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	181753	18.777 ug/l	100
25) Chloroform	7.33	83	111011	19.507 ug/l	93
26) Cyclohexane	7.61	56	85909	19.011 ug/l #	98
29) 1,1-Dichloropropene	7.75	75	82693	18.684 ug/l	97
30) 2-Butanone	6.78	43	188056	90.175 ug/l #	96
31) 2,2-Dichloropropane	6.78	77	89596	16.852 ug/l #	95
32) 1,1,1-Trichloroethane	7.53	97	105773	19.092 ug/l	98
33) Carbon Tetrachloride	7.73	117	94092	18.561 ug/l	95
34) Benzene	8.00	78	218966	18.434 ug/l	95
35) Methacrylonitrile	7.13	41	37868	17.388 ug/l	97
36) 1,2-Dichloroethane	8.09	62	101209	19.182 ug/l	98
37) Trichloroethene	8.80	130	61827	19.083 ug/l	89
38) Methylcyclohexane	9.05	83	76201	17.818 ug/l	97
39) 1,2-Dichloropropane	9.08	63	57363	17.888 ug/l	94
40) Dibromomethane	9.18	93	42389	19.045 ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	89618	18.643	ug/l	97
42) Vinyl Acetate	5.84	43	802817	90.087	ug/l	99
43) Ethyl Acetate	7.16	43	28434	6.689	ug/l	98
44) Isopropyl Acetate	8.13	43	141186	18.076	ug/l	98
45) 1,4-Dioxane	9.16	88	21561	357.929	ug/l	92
46) Methyl methacrylate	9.16	41	71294	18.705	ug/l	97
47) n-amyl Acetate	12.05	43	114623	17.431	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	95209	17.560	ug/l	98
49) cis-1,3-Dichloropropene	9.81	75	100348	18.160	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	55697	18.639	ug/l	91
51) Ethyl methacrylate	10.40	69	81942	17.562	ug/l	99
52) 1,3-Dichloropropane	10.68	76	97099	18.505	ug/l	100
53) Dibromochloromethane	10.87	129	66960	18.348	ug/l	98
54) 1,2-Dibromoethane	10.98	107	57035	17.868	ug/l	96
55) 2-Chloroethyl vinyl ether	9.66	63	214305	92.280	ug/l	99
56) Bromoform	12.10	173	45455	17.373	ug/l	97
58) 4-Methyl-2-Pentanone	9.95	43	408024	94.233	ug/l	100
59) 2-Hexanone	10.72	43	298379	92.225	ug/l	99
61) Tetrachloroethene	10.60	164	60382	19.347	ug/l	93
62) Toluene	10.13	91	238781	18.522	ug/l	99
64) Chlorobenzene	11.41	112	148046	18.421	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.48	131	60461	19.043	ug/l	98
66) Ethyl Benzene	11.48	91	269506	18.292	ug/l	97
67) m/p-Xylenes	11.59	106	198741	36.730	ug/l	96
68) o-Xylene	11.92	106	95733	17.991	ug/l	99
69) Styrene	11.94	104	158848	17.911	ug/l	99
70) Isopropylbenzene	12.22	105	259595	18.399	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	73738	18.343	ug/l	98
72) 1,2,3-Trichloropropane	12.53	75	110213	25.745	ug/l	69
73) Bromobenzene	12.50	156	62319	18.017	ug/l	98
74) n-propylbenzene	12.57	91	286380	17.808	ug/l	99
75) 2-Chlorotoluene	12.65	91	182626	18.364	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	217892	18.261	ug/l	97
77) t-1,4-Dichloro-2-butene	12.28	75	27008	16.896	ug/l	93
78) 4-Chlorotoluene	12.75	91	187812	18.047	ug/l	98
79) tert-butylbenzene	12.97	119	174507	17.746	ug/l	98
80) 1,2,4-Trimethylbenzene	13.01	105	220224	18.297	ug/l	99
81) sec-Butylbenzene	13.14	105	227118	17.795	ug/l	100
82) p-Isopropyltoluene	13.26	119	202449	17.317	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	108191	18.008	ug/l	97
84) 1,4-Dichlorobenzene	13.34	146	108838	18.039	ug/l	98
85) n-Butylbenzene	13.59	91	176918	17.355	ug/l	97
86) Hexachloroethane	13.85	117	38416	17.621	ug/l	96
87) 1,2-Dichlorobenzene	13.63	146	107845	18.229	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	18776	18.478	ug/l	98
89) 1,2,4-Trichlorobenzene	14.88	180	57765	17.233	ug/l	99
90) Hexachlorobutadiene	14.98	225	31772	17.610	ug/l	94
91) Naphthalene	15.10	128	182204	18.006	ug/l	100
92) 1,2,3-Trichlorobenzene	15.28	180	56208	17.359	ug/l	98

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QLast Update : Mon Oct 26 17:44:53 2020
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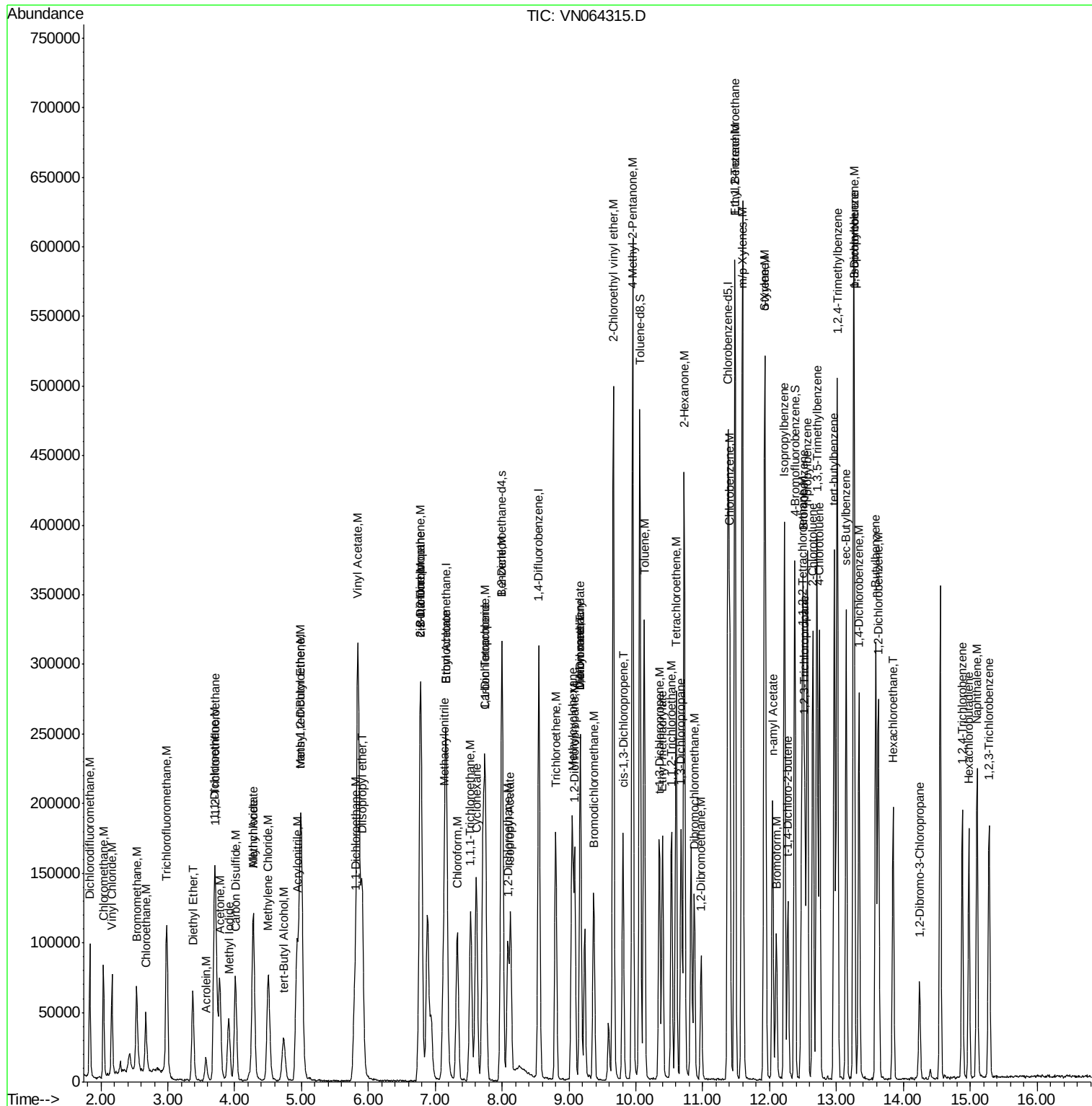
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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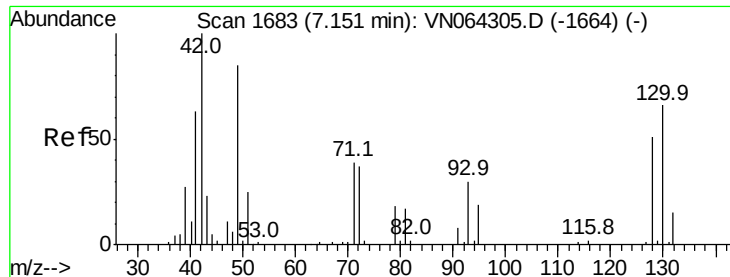
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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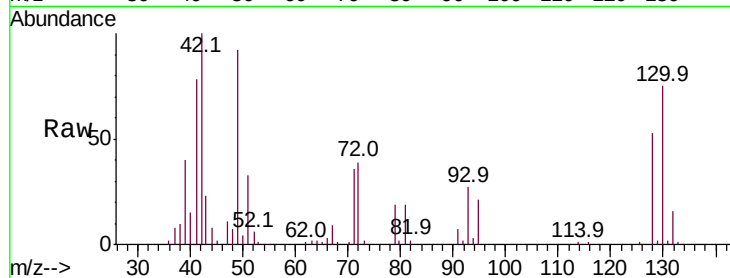




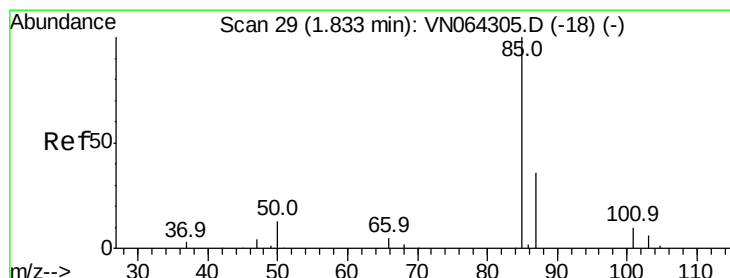
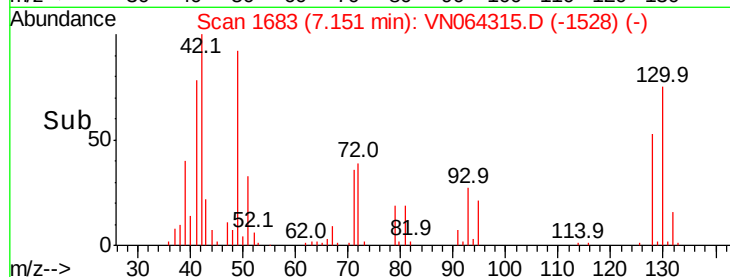
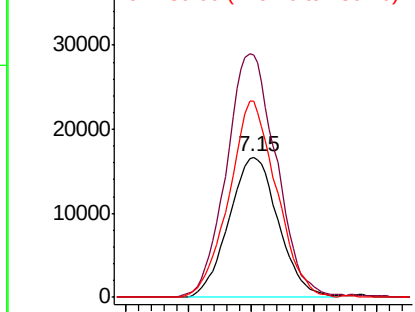
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.15 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

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ClientSampleId :
VSTDCCC020EC

Tot Ion:128 Resp: 45605
Ion Ratio Lower Upper
128 100
49 175.7 0.0 439.5
130 134.7 0.0 323.8

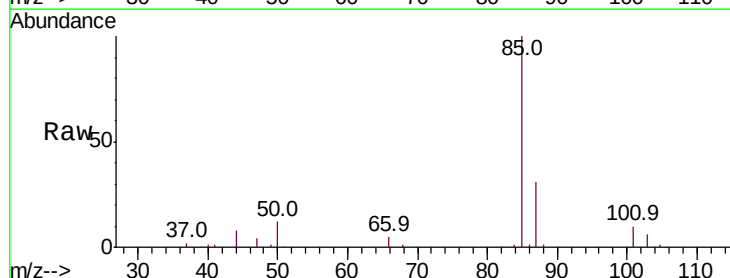


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V

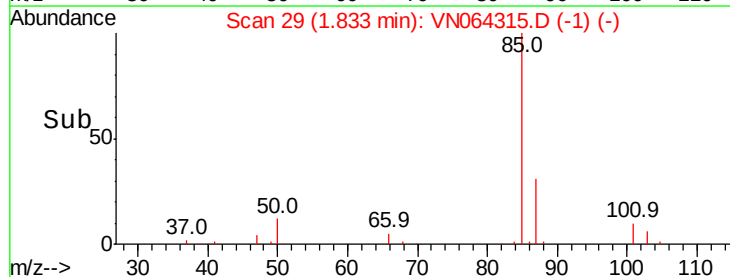
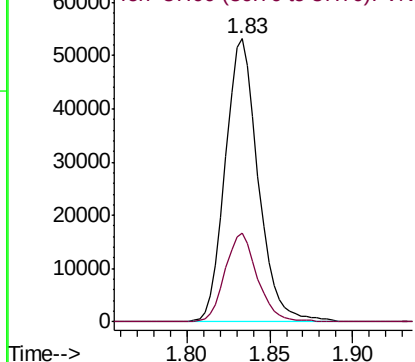


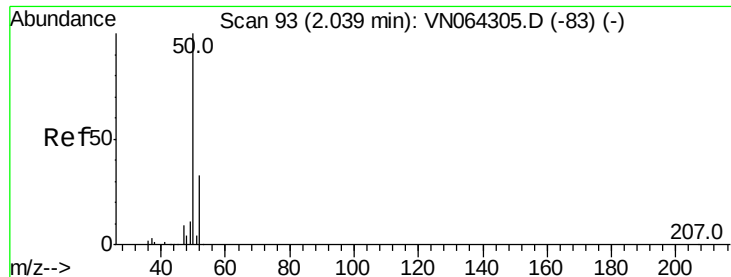
#2
Dichlorodifluoromethane
Concen: 19.749 ug/l
RT: 1.83 min Scan# 29
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 85 Resp: 73660
Ion Ratio Lower Upper
85 100
87 31.3 18.1 54.4



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN

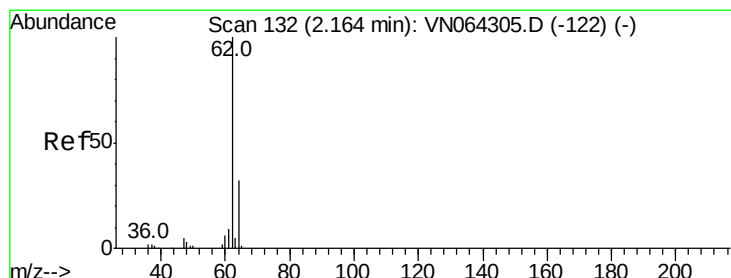
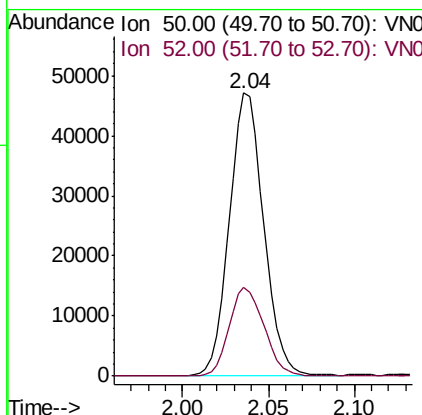
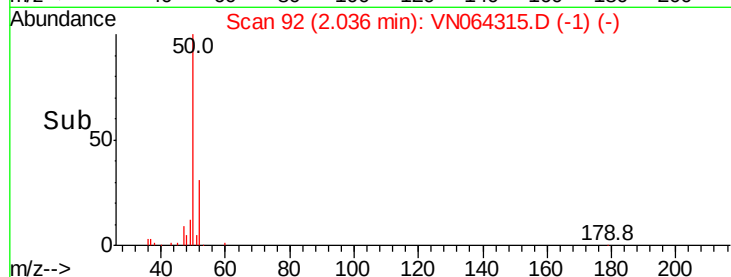
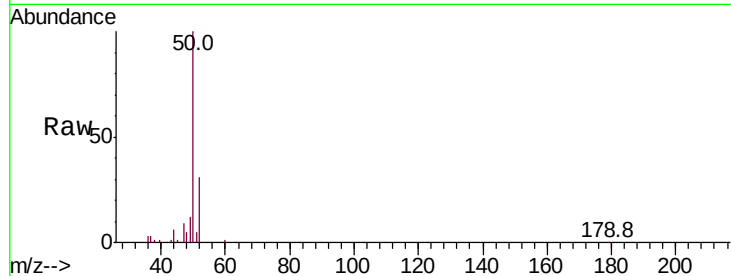




#3
Chloromethane
Concen: 18.803 ug/l
RT: 2.04 min Scan# 92
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

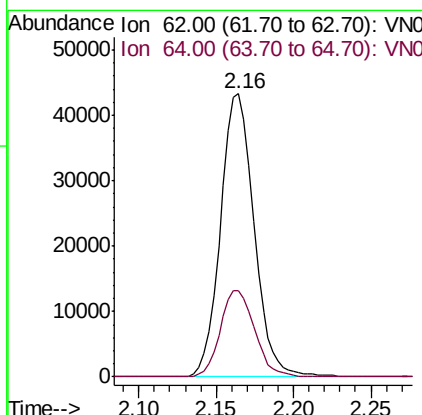
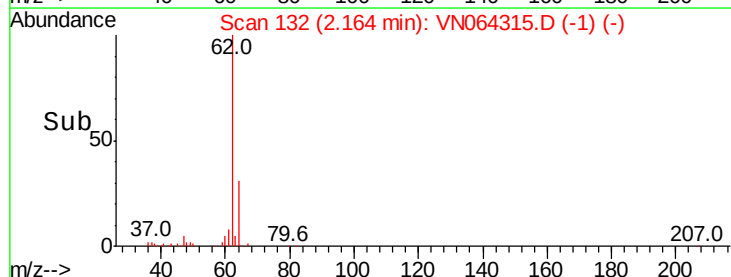
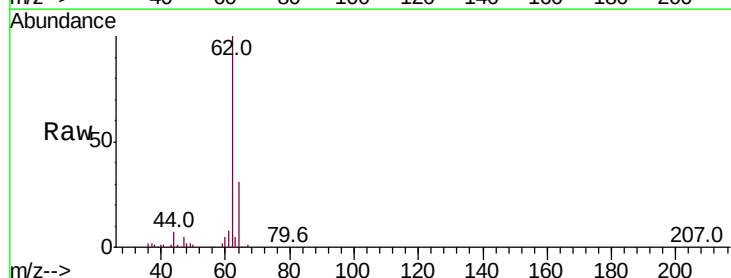
Instrument :
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ClientSampleId :
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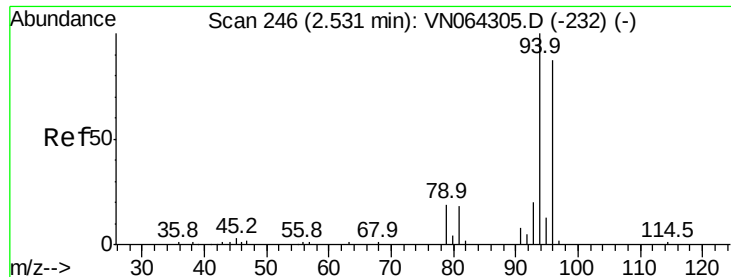
Tot Ion: 50 Resp: 65530
Ion Ratio Lower Upper
50 100
52 31.4 26.2 39.2



#4
Vinyl Chloride
Concen: 19.180 ug/l
RT: 2.16 min Scan# 132
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 62 Resp: 65171
Ion Ratio Lower Upper
62 100
64 30.5 25.5 38.3





#5

Bromomethane

Concen: 20.262 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

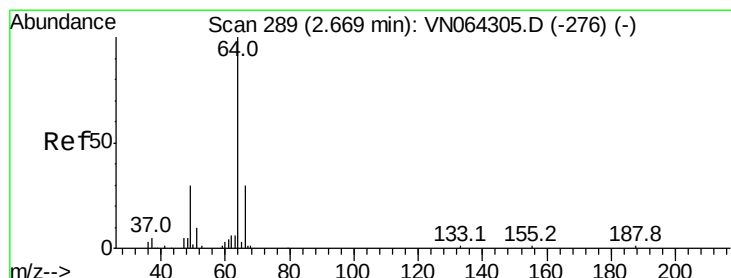
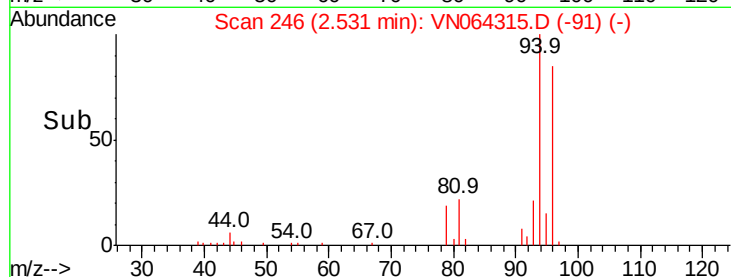
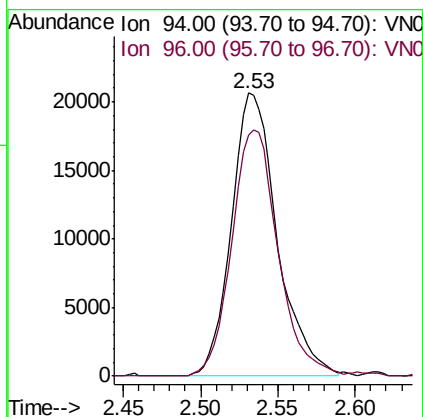
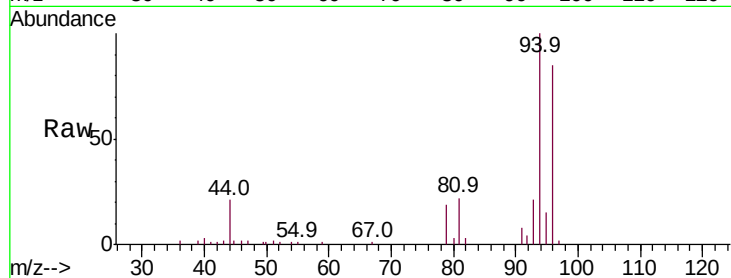
VSTDCCC020EC

Tot Ion: 94 Resp: 42496

Ion Ratio Lower Upper

94 100

96 85.1 69.4 104.0



#6

Chloroethane

Concen: 19.405 ug/l

RT: 2.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN064315.D

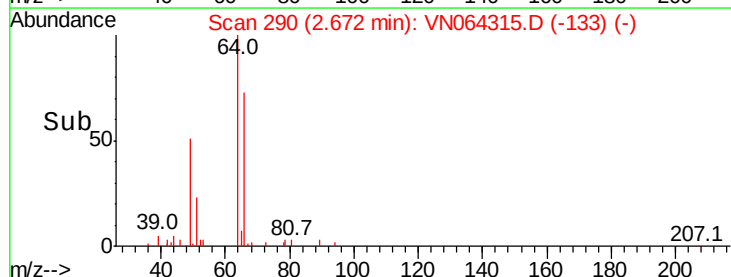
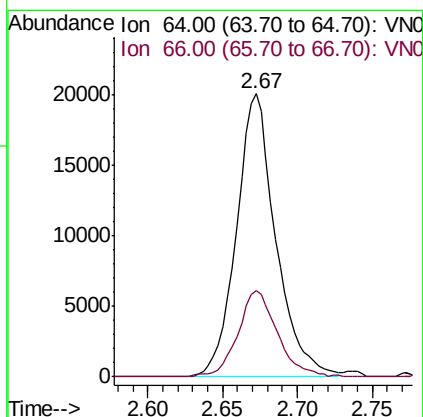
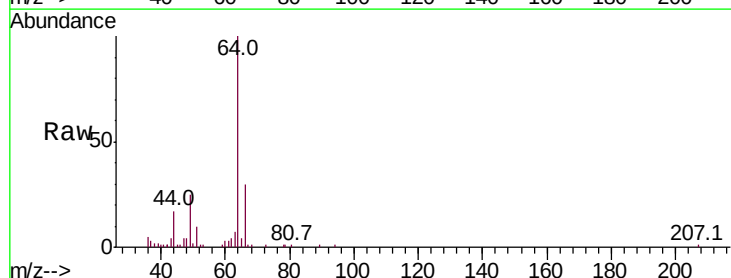
Acq: 26 Oct 2020 21:26

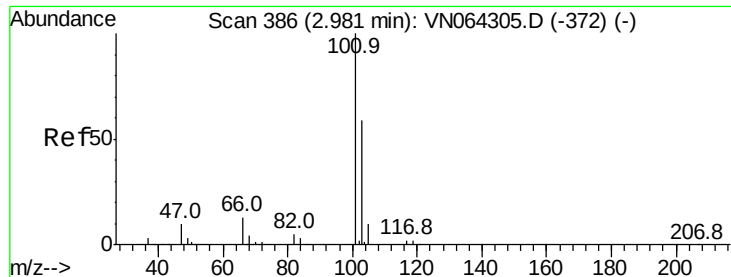
Tgt Ion: 64 Resp: 36832

Ion Ratio Lower Upper

64 100

66 30.4 24.1 36.1



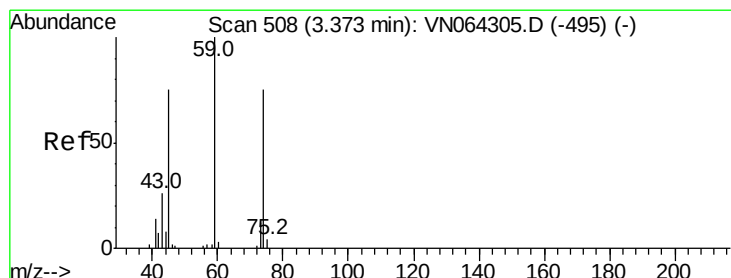
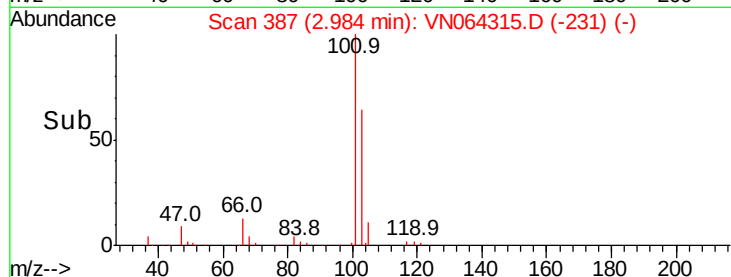
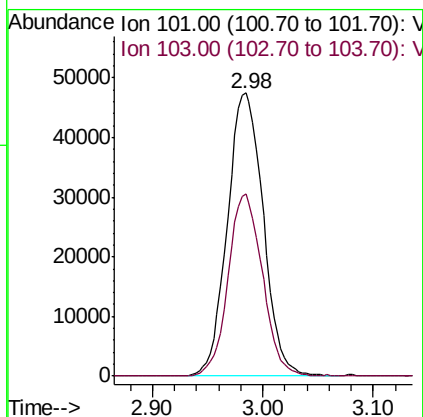
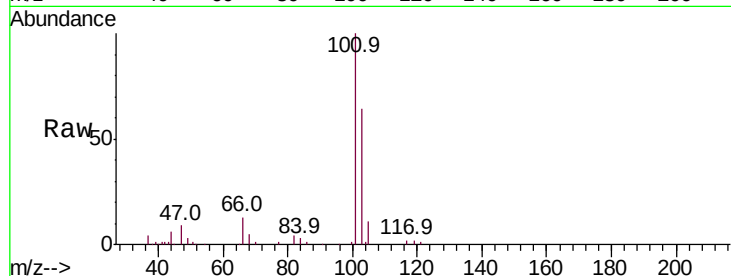


#7

Trichlorofluoromethane
Concen: 20.465 ug/l
RT: 2.98 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN064315.D
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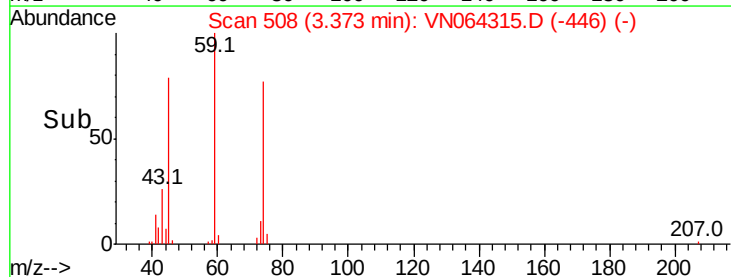
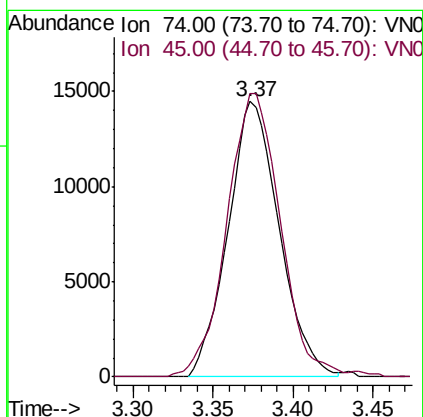
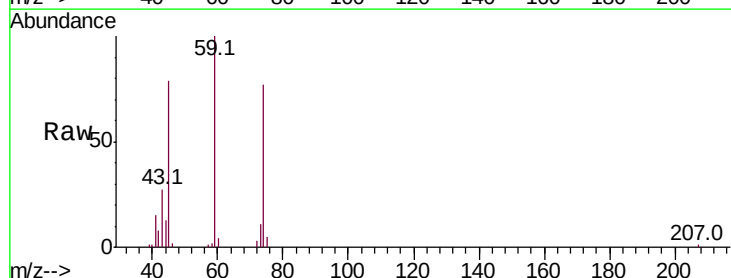
Tot Ion:101 Resp: 107129
Ion Ratio Lower Upper
101 100
103 64.3 47.1 70.7

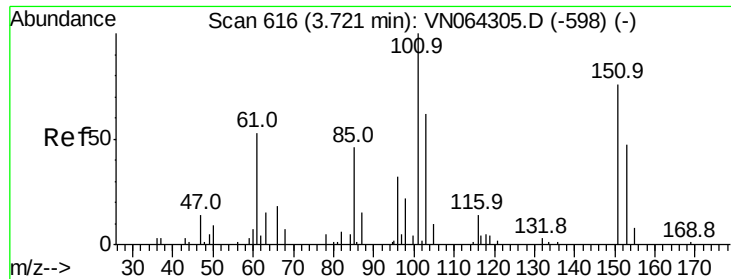


#8

Diethyl Ether
Concen: 18.964 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 74 Resp: 31801
Ion Ratio Lower Upper
74 100
45 106.8 20.4 183.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.708 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

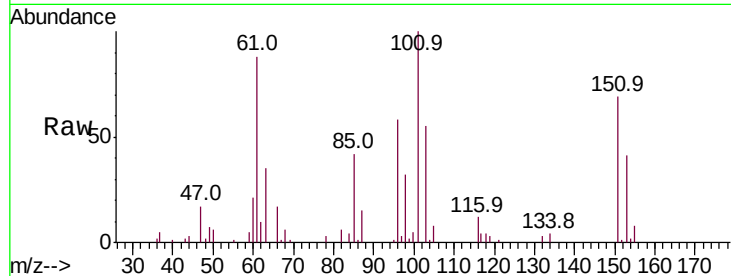
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Ion Ratio Lower Upper

101 100

85 46.2 0.0 96.2

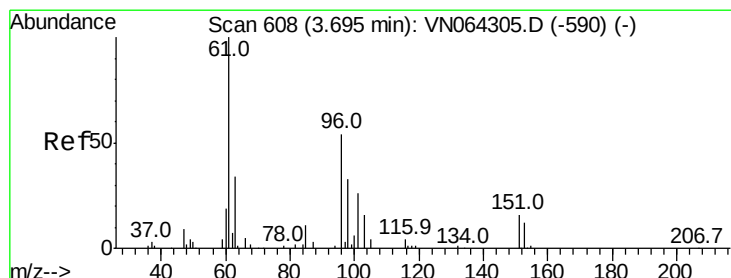
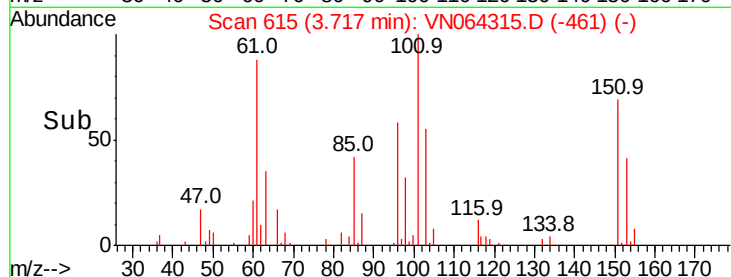
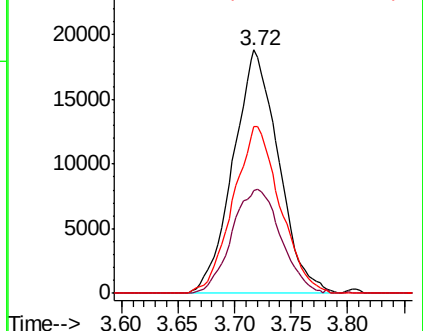
151 71.1 0.0 154.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.069 ug/l

RT: 3.69 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

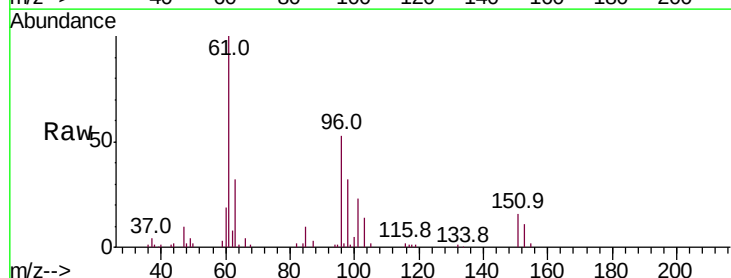
Tgt Ion: 96 Resp: 48863

Ion Ratio Lower Upper

96 100

61 187.2 147.4 221.2

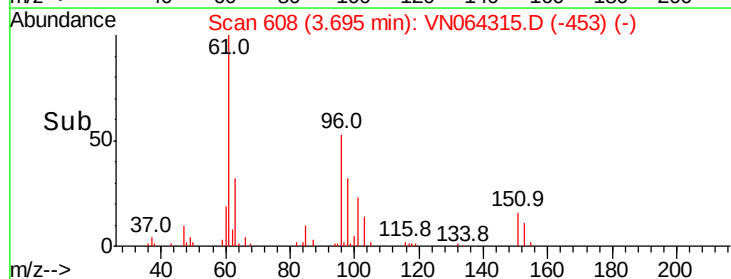
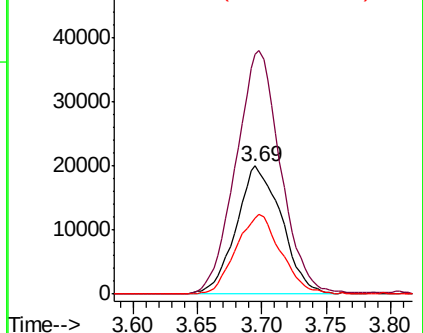
98 59.5 48.8 73.2

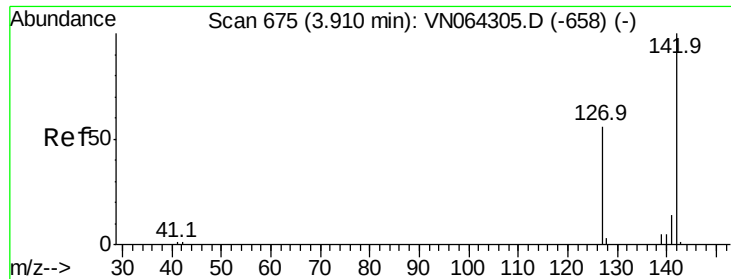


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

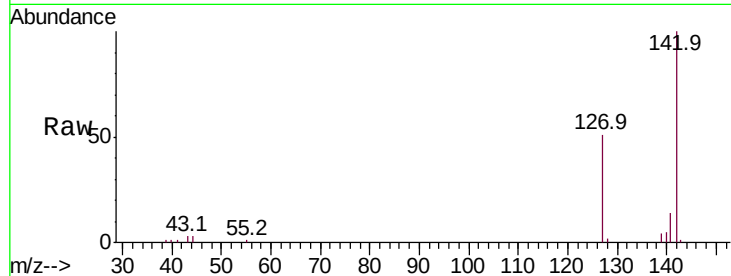




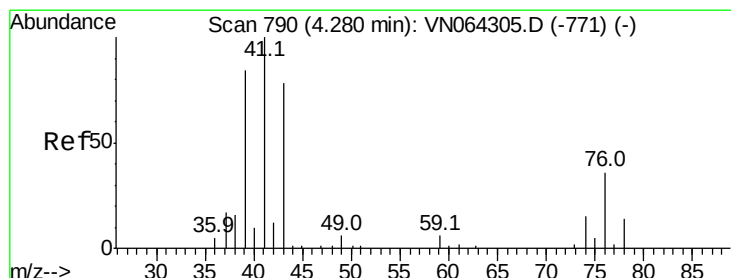
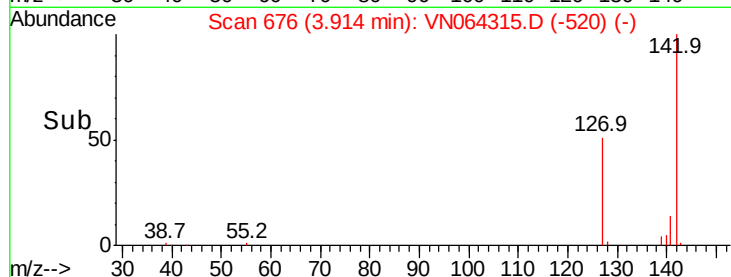
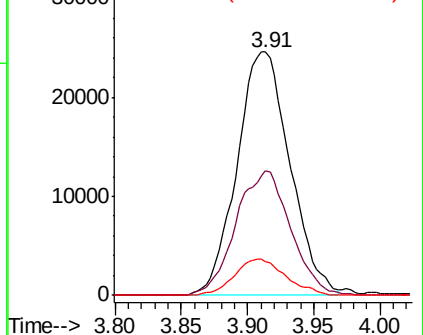
#11
Methvl Iodide
Concen: 18.621 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:142 Resp: 68327
Ion Ratio Lower Upper
142 100
127 51.0 27.9 83.7
141 14.1 7.1 21.3

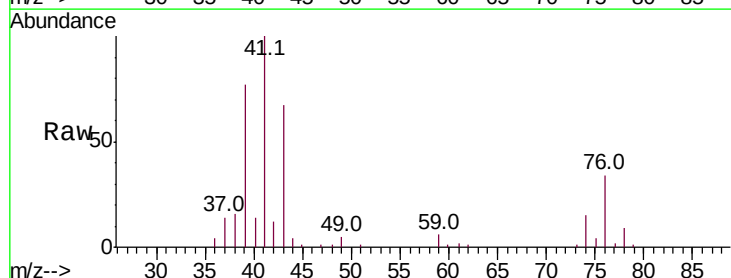


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

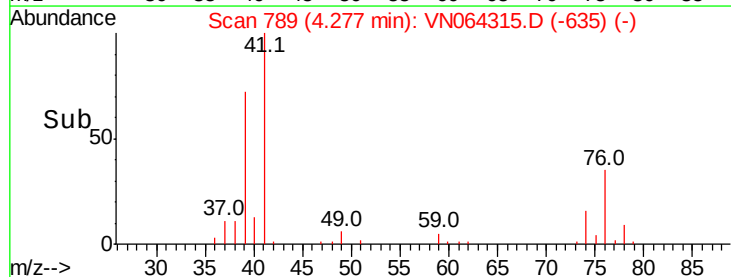
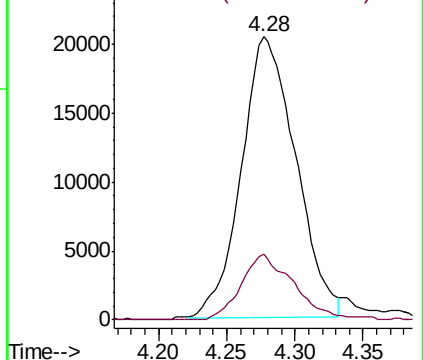


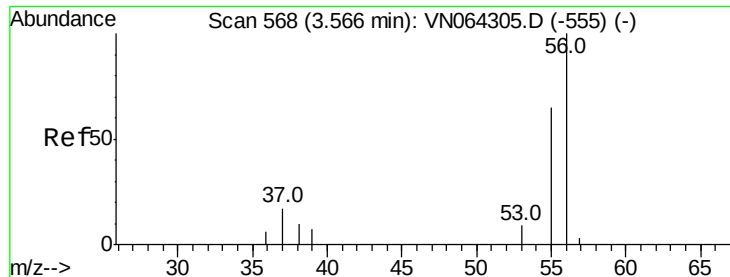
#12
Methyl Acetate
Concen: 18.321 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 43 Resp: 56216
Ion Ratio Lower Upper
43 100
74 23.2 15.4 23.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO





#13

Acrolein

Concen: 84.370 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

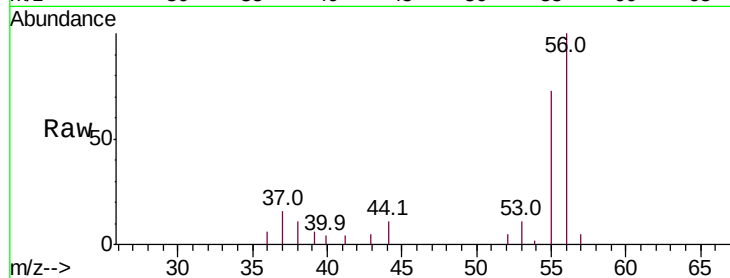
VSTDCCC020EC

Tot Ion: 56 Resp: 17098

Ion Ratio Lower Upper

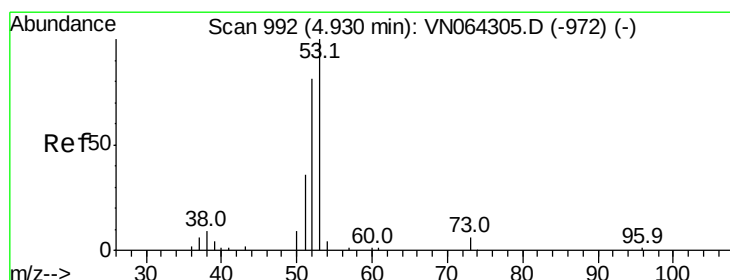
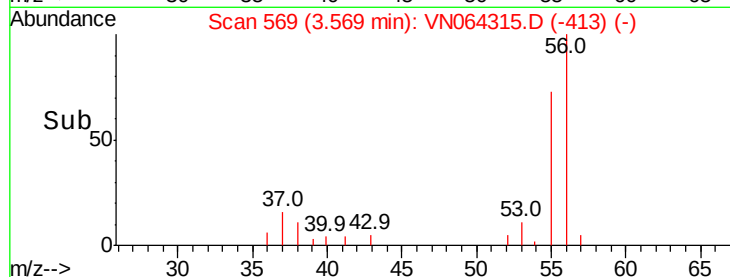
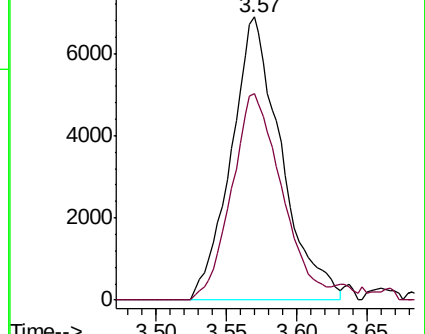
56 100

55 73.2 55.5 83.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 92.279 ug/l

RT: 4.93 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

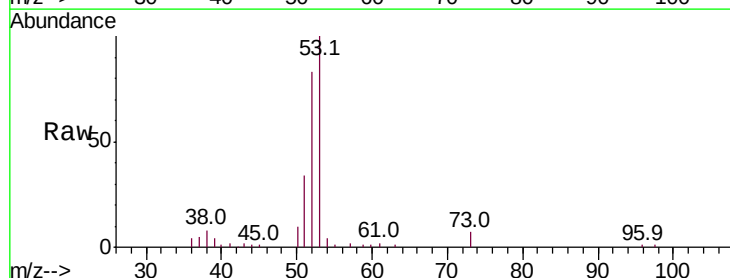
Tgt Ion: 53 Resp: 123158

Ion Ratio Lower Upper

53 100

52 82.1 41.7 125.1

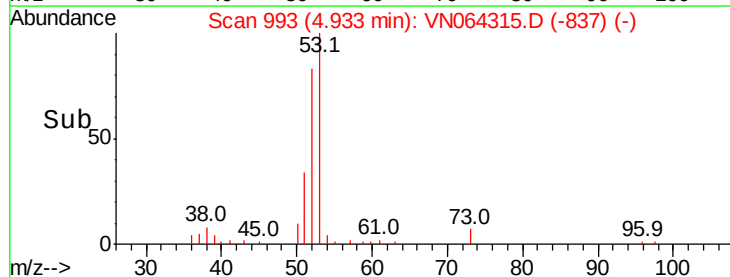
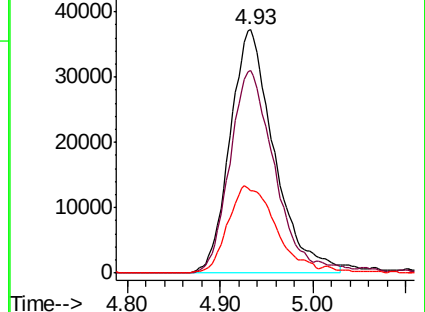
51 38.5 19.4 58.2

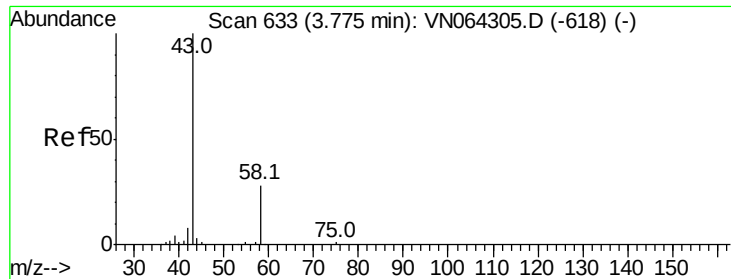


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 88.747 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

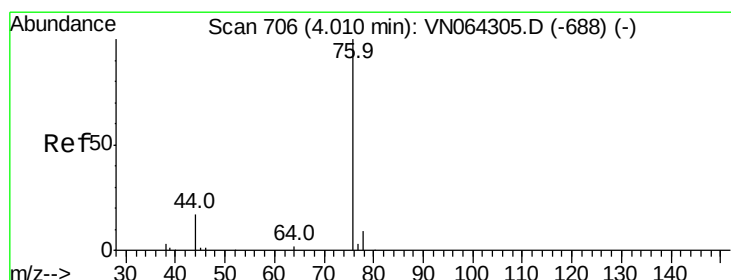
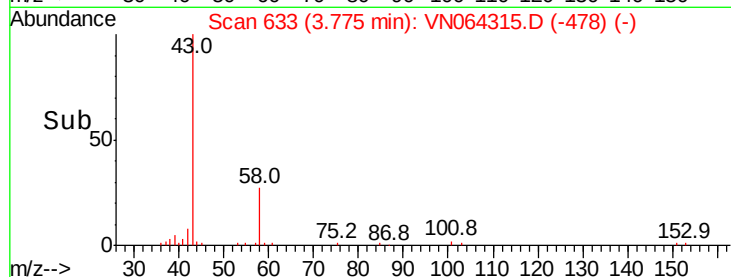
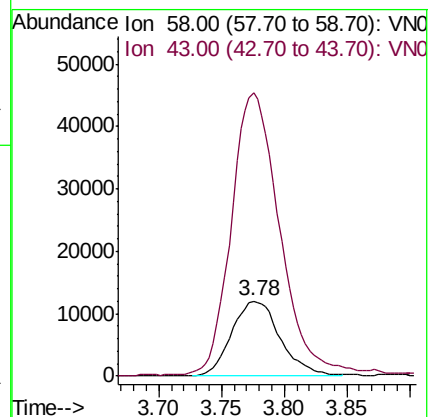
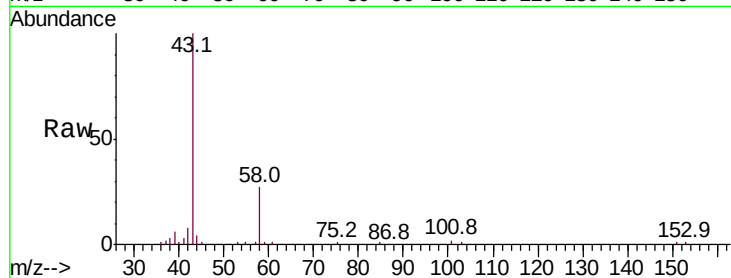
VSTDCCC020EC

Tot Ion: 58 Resp: 32581

Ion Ratio Lower Upper

58 100

43 369.9 289.9 434.9



#16

Carbon Disulfide

Concen: 18.793 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN064315.D

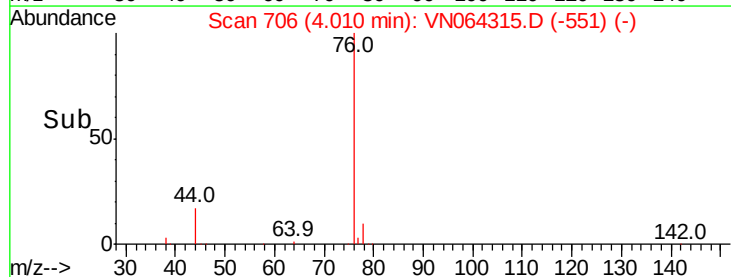
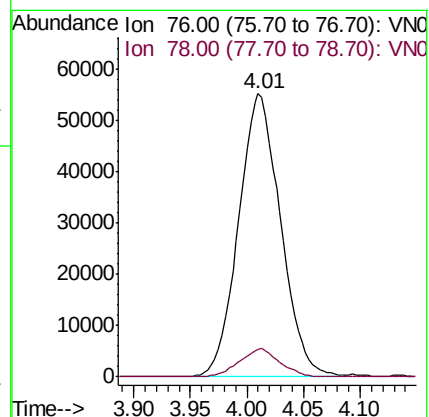
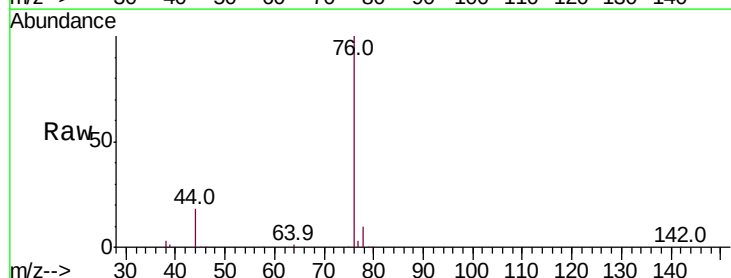
Acq: 26 Oct 2020 21:26

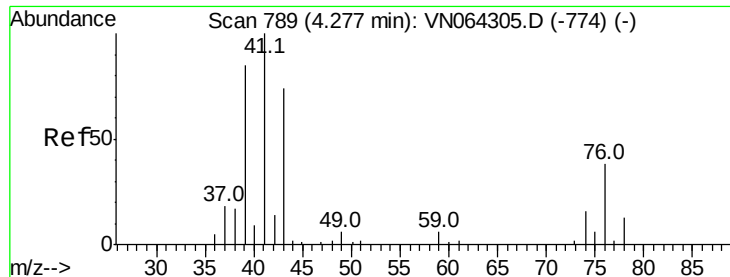
Tgt Ion: 76 Resp: 142948

Ion Ratio Lower Upper

76 100

78 9.6 7.0 10.4

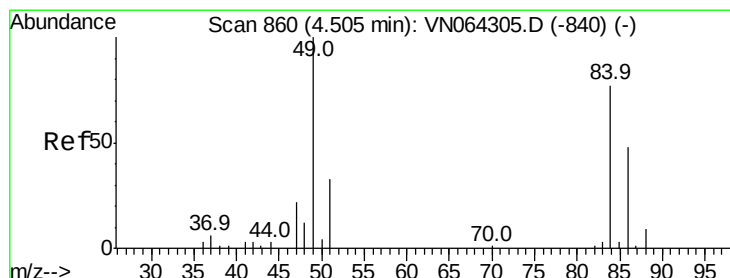
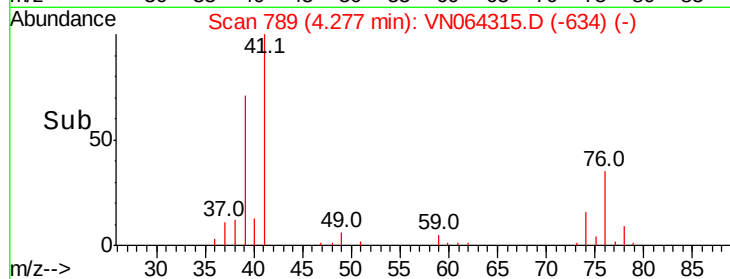
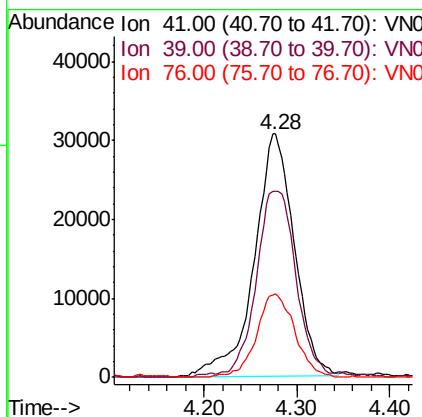
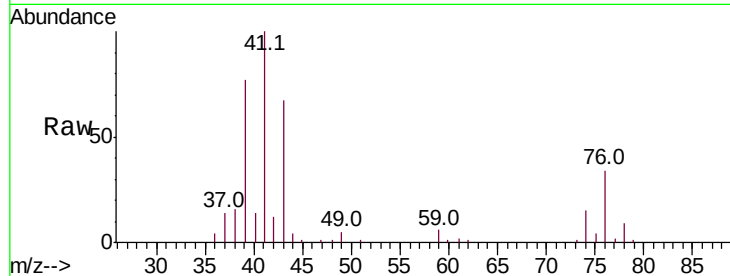




#17
Allvl chloride
Concen: 18.948 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

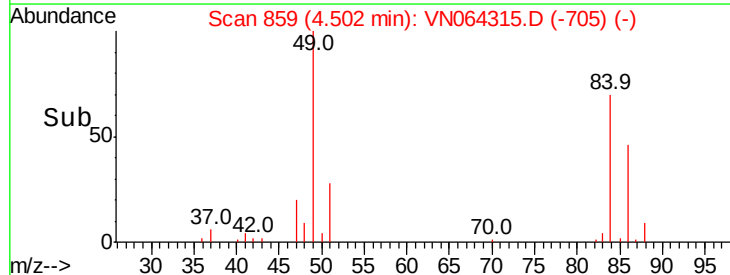
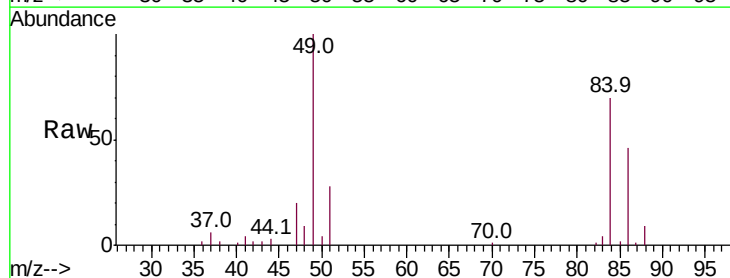
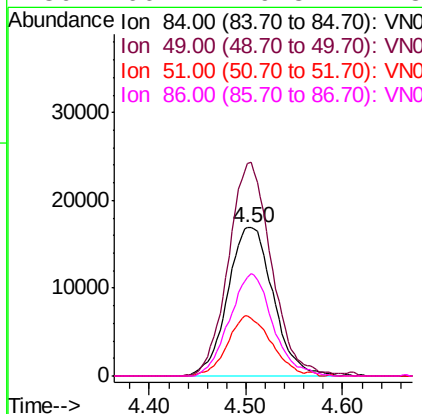
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

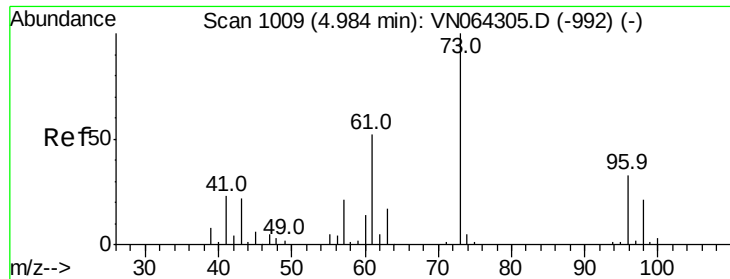
Tot Ion: 41 Resp: 92187
Ion Ratio Lower Upper
41 100
39 77.1 40.3 120.9
76 34.4 17.6 52.9



#18
Methylene Chloride
Concen: 18.925 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 84 Resp: 55223
Ion Ratio Lower Upper
84 100
49 142.7 103.1 154.7
51 40.6 33.8 50.8
86 66.4 49.8 74.8

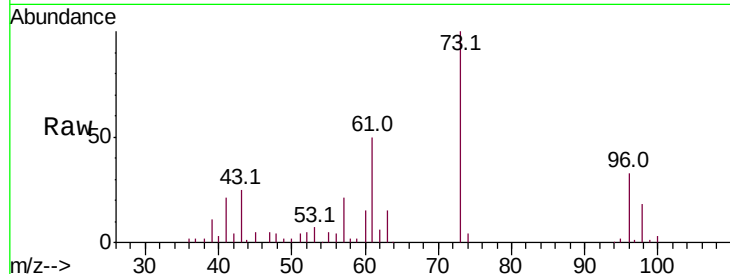




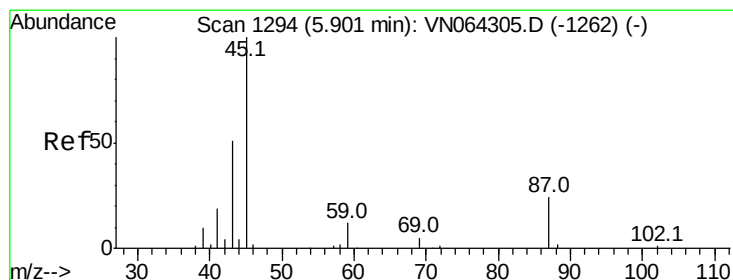
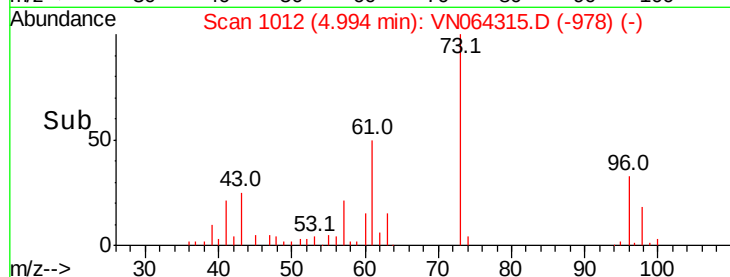
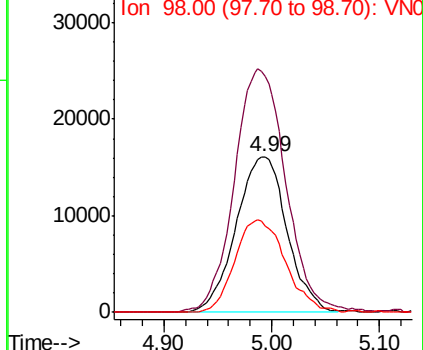
#19
trans-1,2-Dichloroethene
Concen: 18.972 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 96 Resp: 52764
Ion Ratio Lower Upper
96 100
61 148.9 126.9 190.3
98 55.0 50.6 76.0

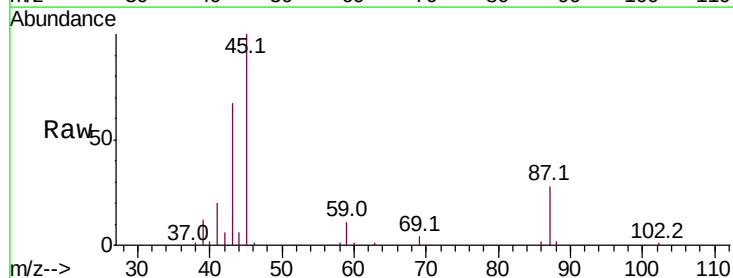


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

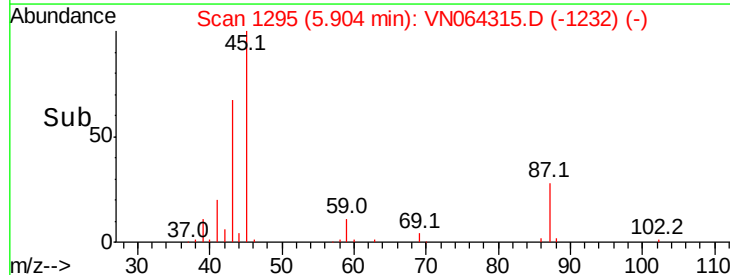
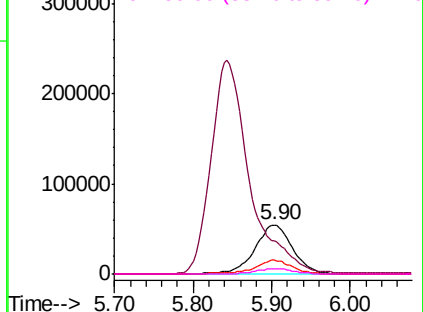


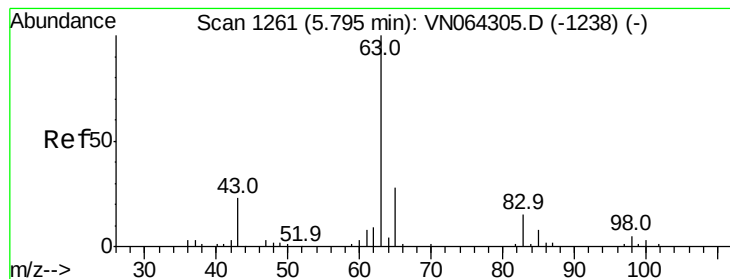
#20
Diisopropyl ether
Concen: 18.580 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 45 Resp: 182971
Ion Ratio Lower Upper
45 100
43 64.3 56.6 85.0
87 27.4 20.3 30.5
59 10.3 10.1 15.1



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





#21

1,1-Dichloroethane

Concen: 18.704 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

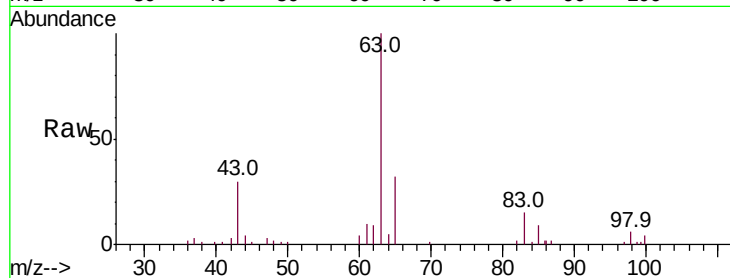
Tot Ion: 63 Resp: 103178

Ion Ratio Lower Upper

63 100

98 6.4 2.6 8.0

100 3.6 1.6 4.8

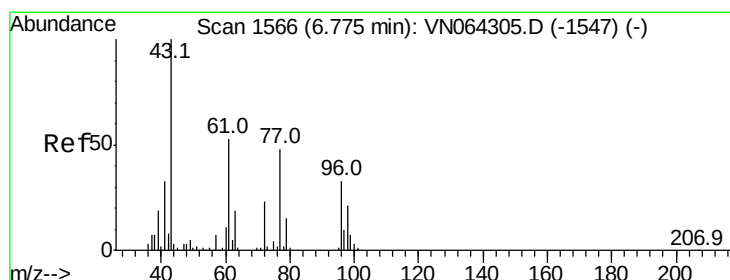
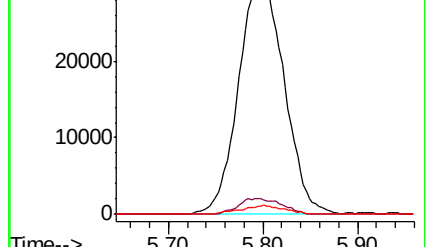
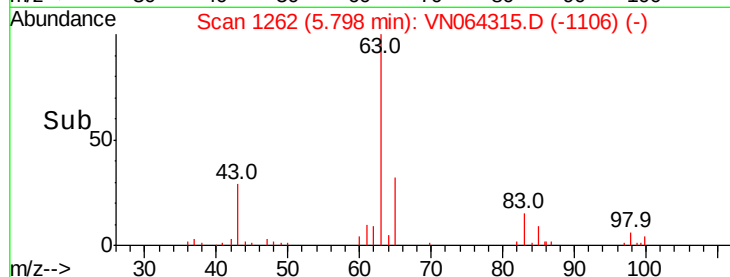


Abundance Ion 63.00 (62.70 to 63.70): VN064315.D (-1238) (-)

Ion 98.00 (97.70 to 98.70): VN064315.D (-1238) (-)

Ion 100.00 (99.70 to 100.70): VN064315.D (-1238) (-)

Time-->



#22

cis-1,2-Dichloroethene

Concen: 18.524 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.01 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

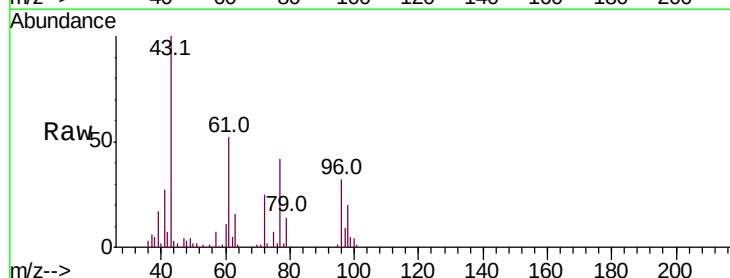
Tgt Ion: 96 Resp: 59447

Ion Ratio Lower Upper

96 100

61 165.5 133.0 199.6

98 64.0 51.6 77.4

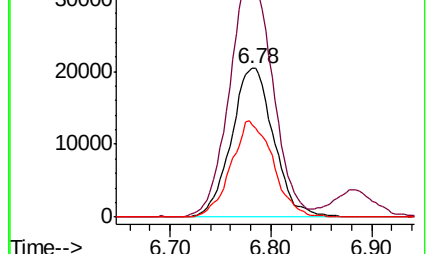
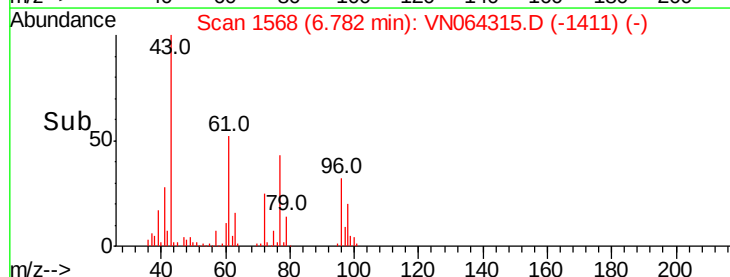


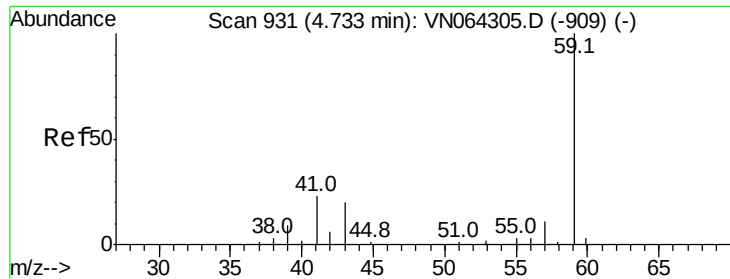
Abundance Ion 96.00 (95.70 to 96.70): VN064315.D (-1547) (-)

Ion 61.00 (60.70 to 61.70): VN064315.D (-1547) (-)

Ion 98.00 (97.70 to 98.70): VN064315.D (-1547) (-)

Time-->

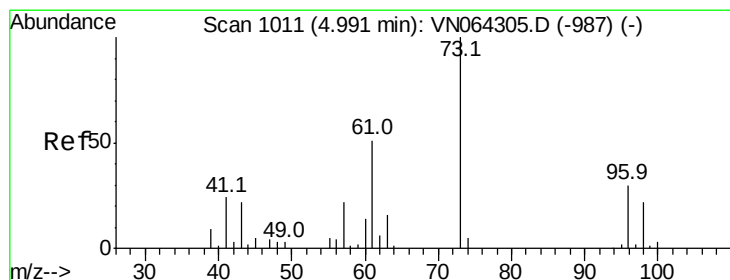
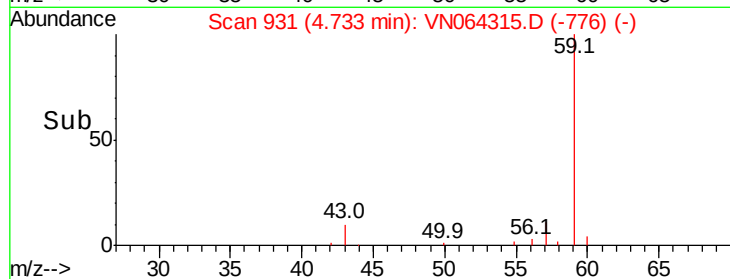
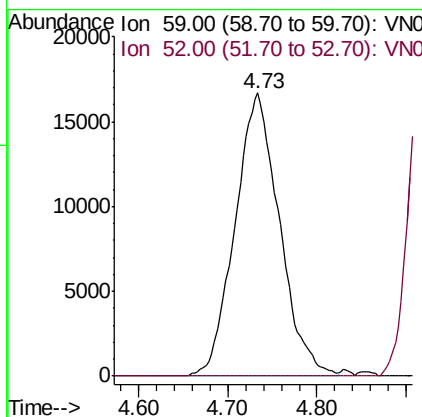
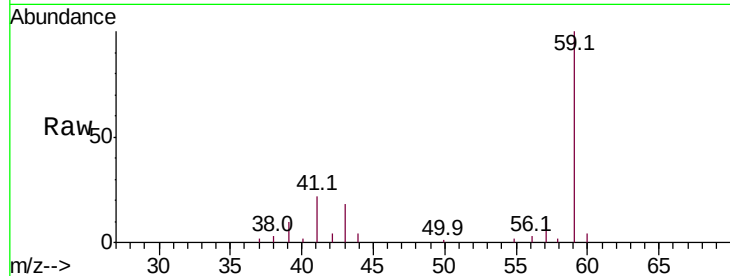




#23
 tert-Butyl Alcohol
 Concen: 95.074 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

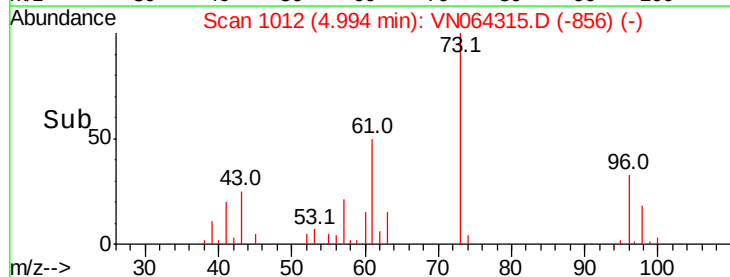
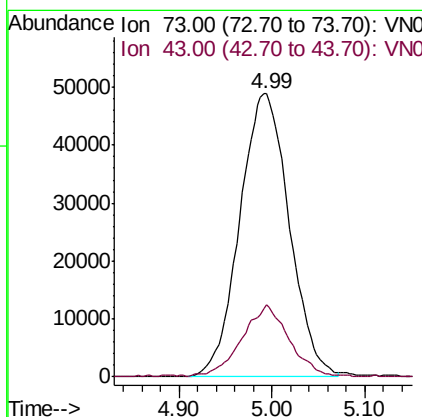
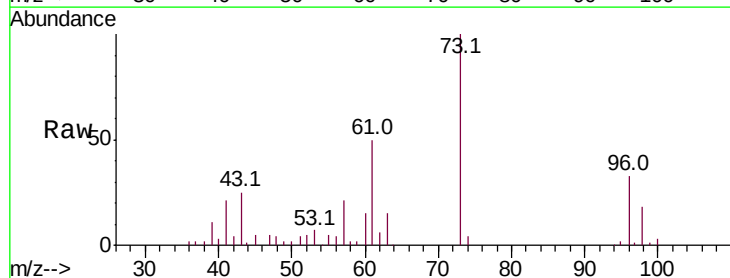
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

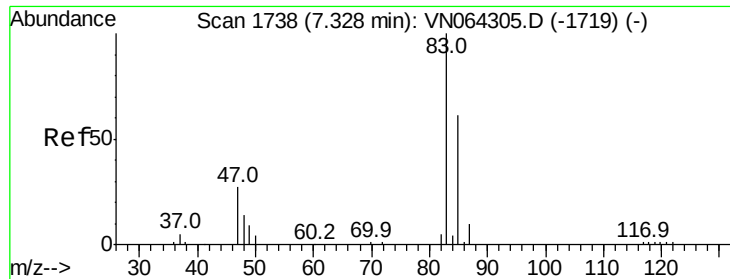
Tot Ion: 59 Resp: 57750
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



#24
 Methyl tert-Butyl Ether
 Concen: 18.777 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion: 73 Resp: 181753
 Ion Ratio Lower Upper
 73 100
 43 24.1 19.4 29.2

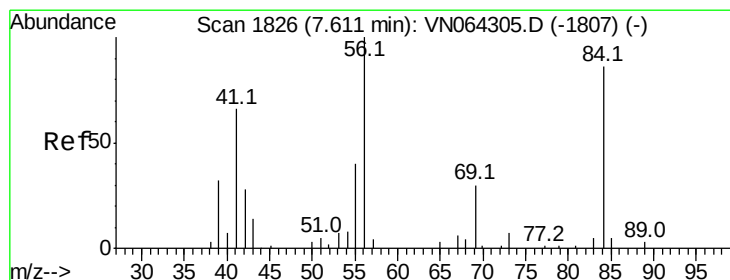
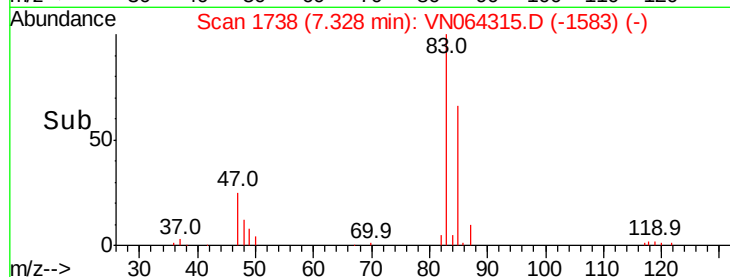
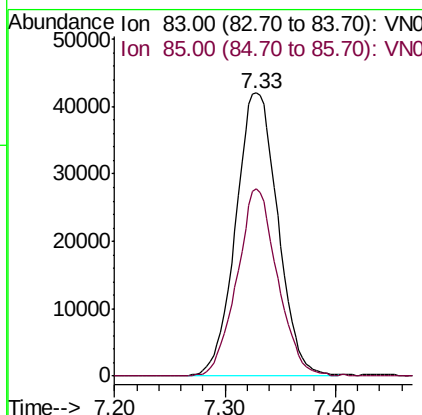
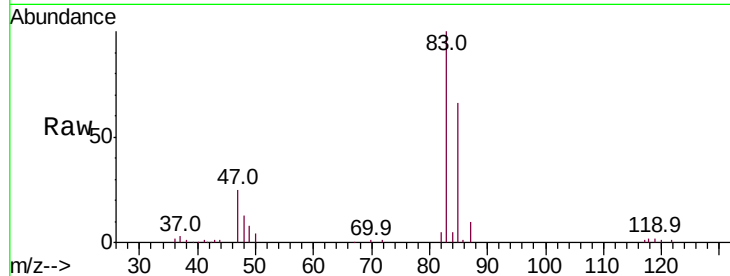




#25
Chloroform
Concen: 19.507 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

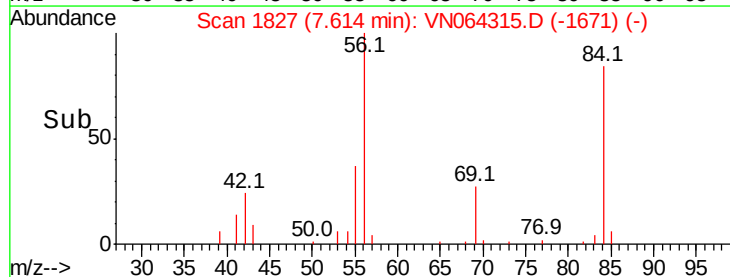
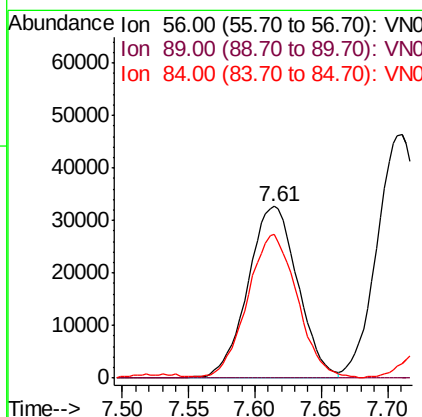
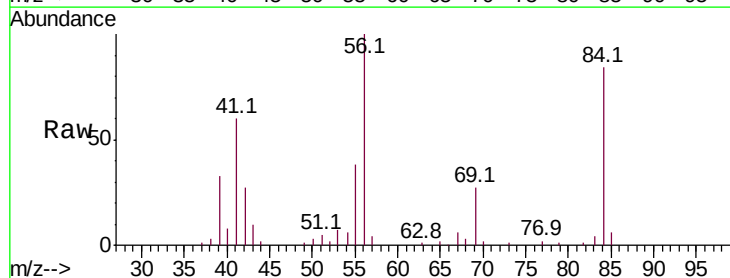
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

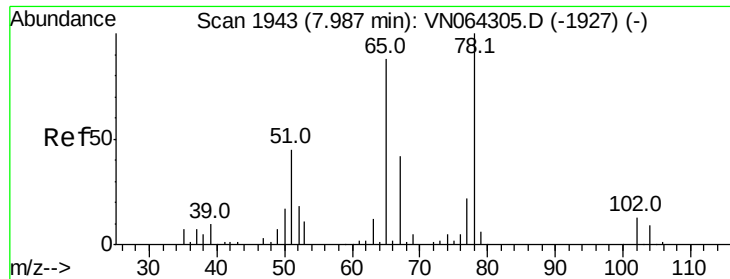
Tot Ion: 83 Resp: 111011
Ion Ratio Lower Upper
83 100
85 66.2 48.6 73.0



#26
Cyclohexane
Concen: 19.011 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 56 Resp: 85909
Ion Ratio Lower Upper
56 100
89 0.0 1.0 1.6#
84 82.9 67.5 101.3

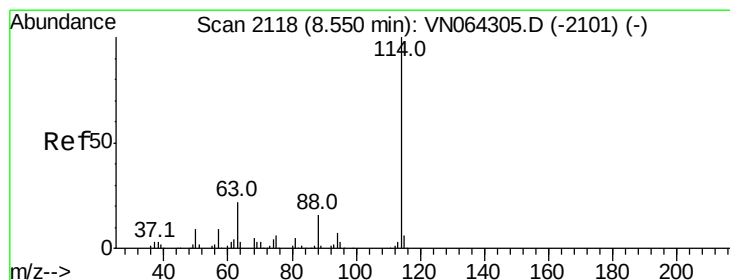
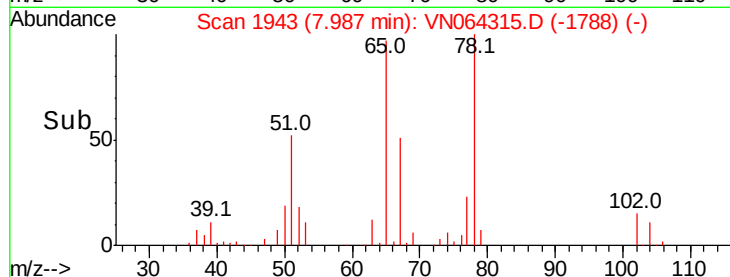
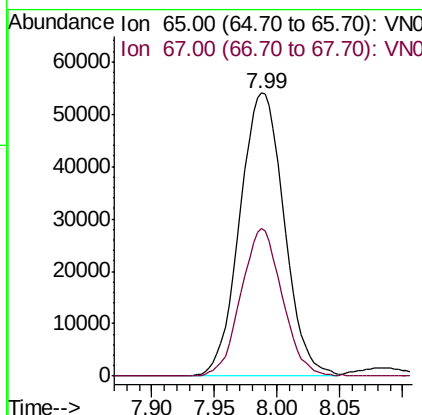
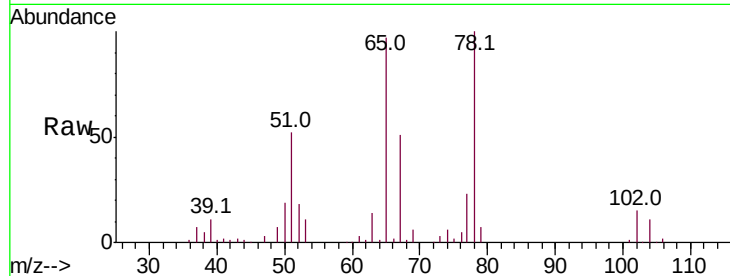




#27
 1,2-Dichloroethane-d4
 Concen: 32.394 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

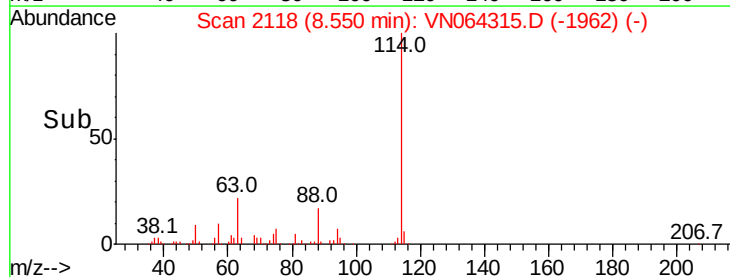
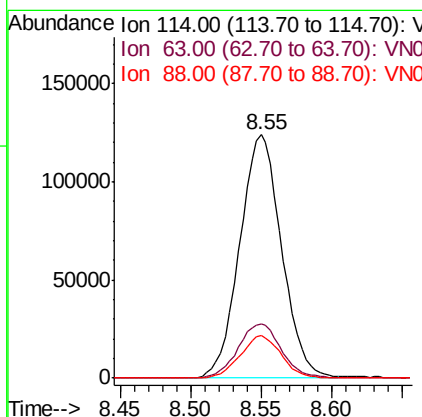
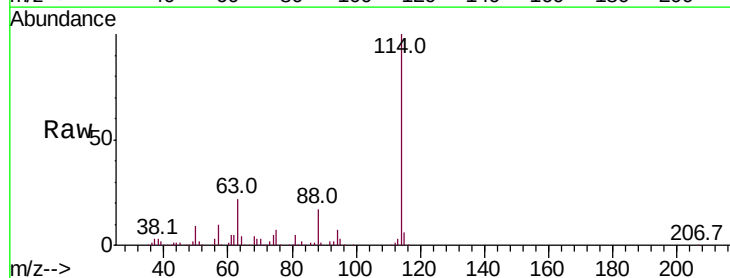
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

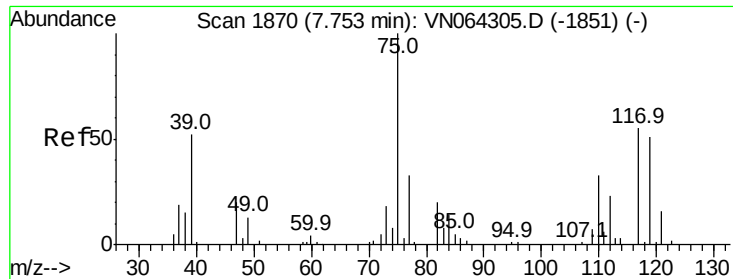
Tot Ion: 65 Resp: 132911
 Ion Ratio Lower Upper
 65 100
 67 48.3 38.5 57.7



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion: 114 Resp: 257090
 Ion Ratio Lower Upper
 114 100
 63 23.0 18.3 27.5
 88 17.3 13.2 19.8





#29

1,1-Dichloropropene

Concen: 18.684 ug/l

RT: 7.75 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

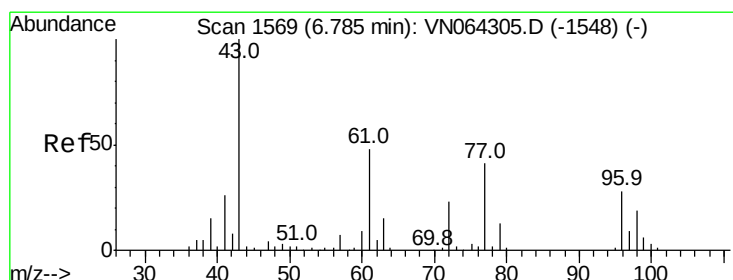
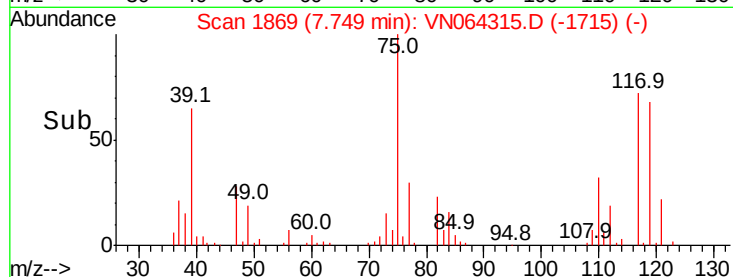
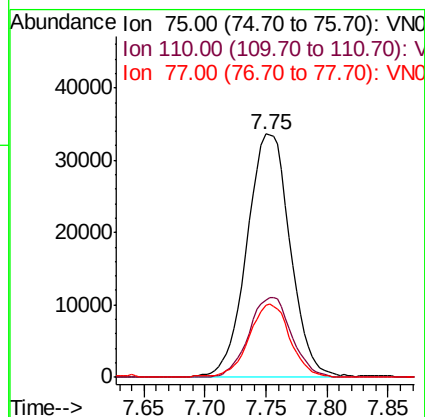
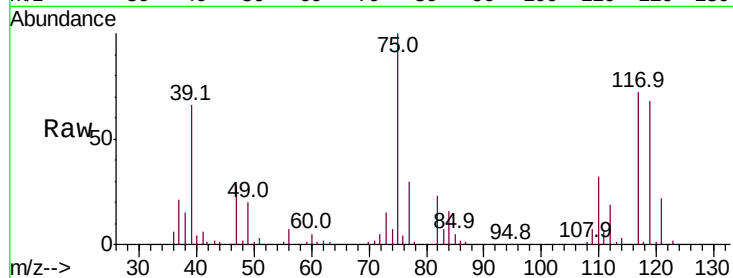
Tot Ion: 75 Resp: 82693

Ion Ratio Lower Upper

75 100

110 32.2 0.0 64.4

77 28.7 0.0 63.6



#30

2-Butanone

Concen: 90.175 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

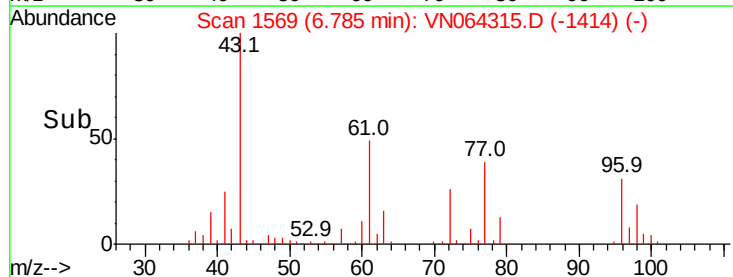
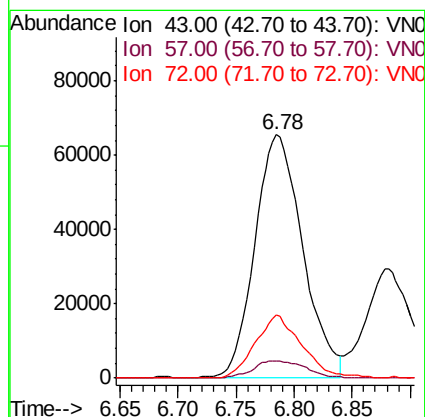
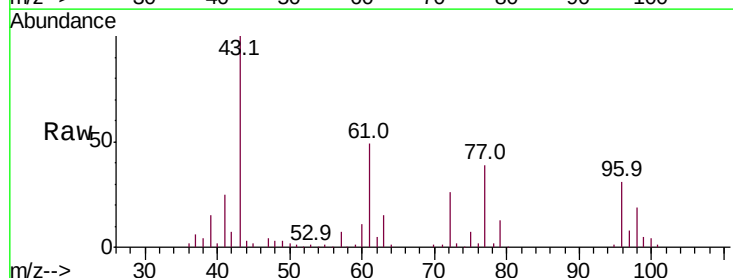
Tgt Ion: 43 Resp: 188056

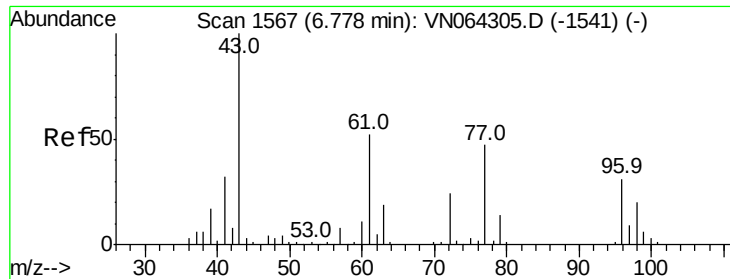
Ion Ratio Lower Upper

43 100

57 7.8 4.1 6.1#

72 25.2 19.0 28.6





#31

2,2-Dichloropropane

Concen: 16.852 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

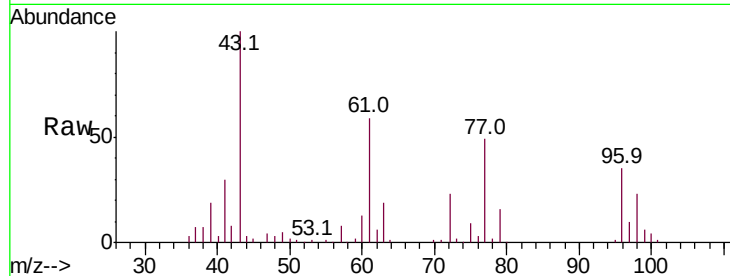
VSTDCCC020EC

Tot Ion: 77 Resp: 89596

Ion Ratio Lower Upper

77 100

97 9.0 5.8 8.8#



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0

6.78

30000

25000

20000

15000

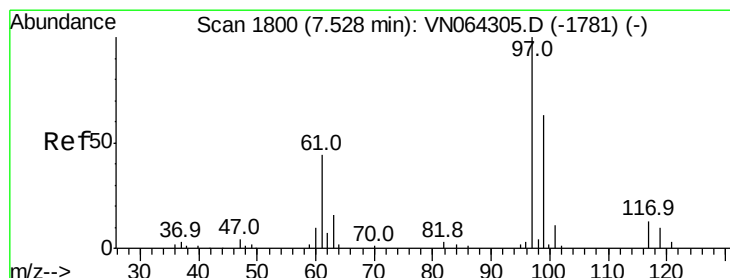
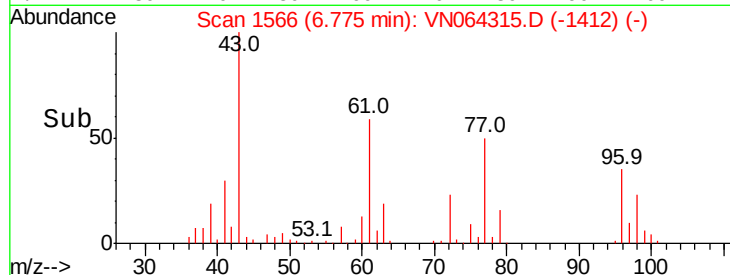
10000

5000

0

6.70 6.80 6.90

Time-->



#32

1,1,1-Trichloroethane

Concen: 19.092 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

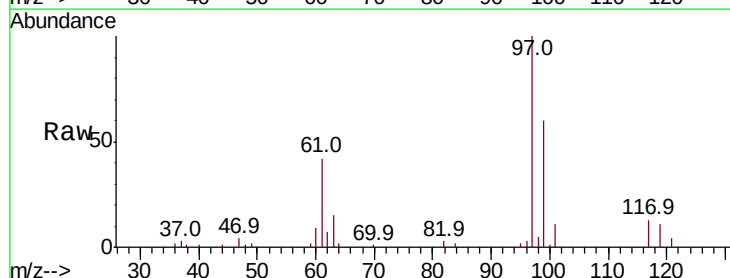
Tgt Ion: 97 Resp: 105773

Ion Ratio Lower Upper

97 100

99 62.2 51.6 77.4

61 45.2 36.4 54.6



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

7.53

50000

40000

30000

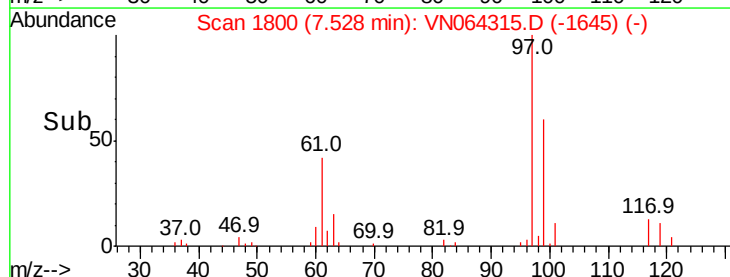
20000

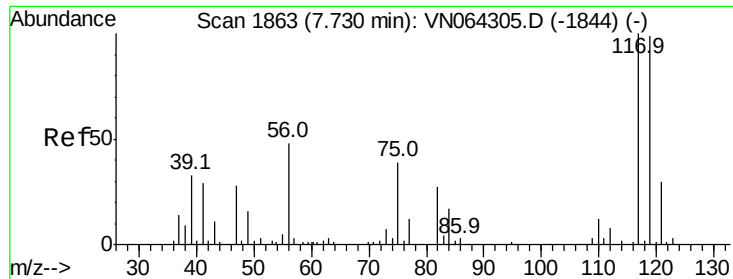
10000

0

7.45 7.50 7.55 7.60

Time-->

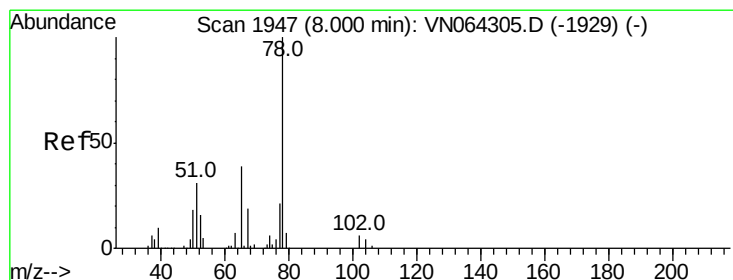
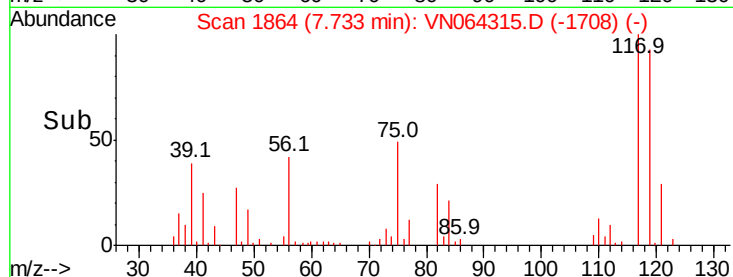
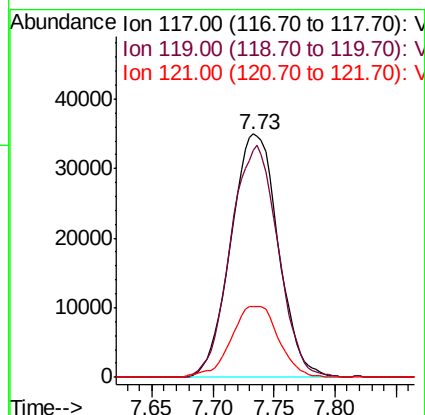
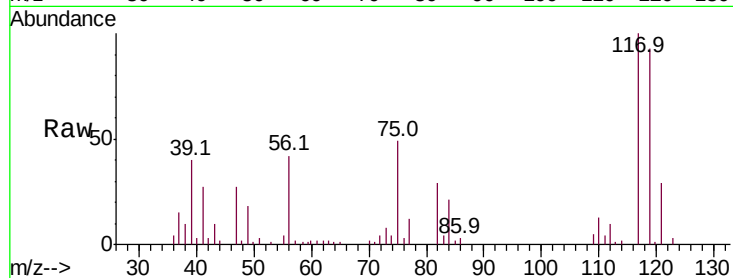




#33
Carbon Tetrachloride
Concen: 18.561 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

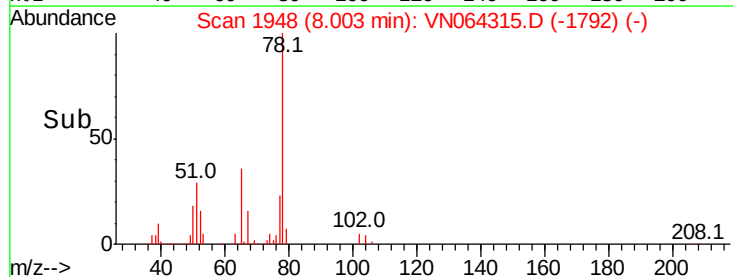
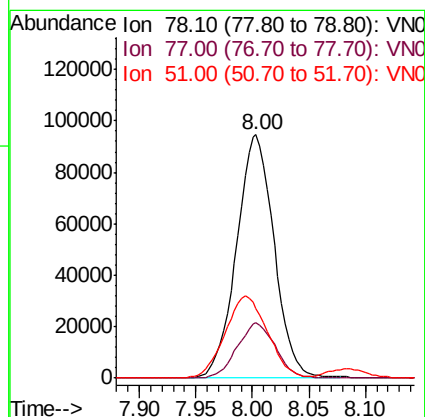
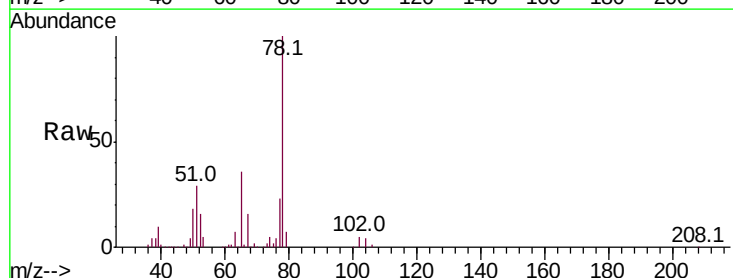
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

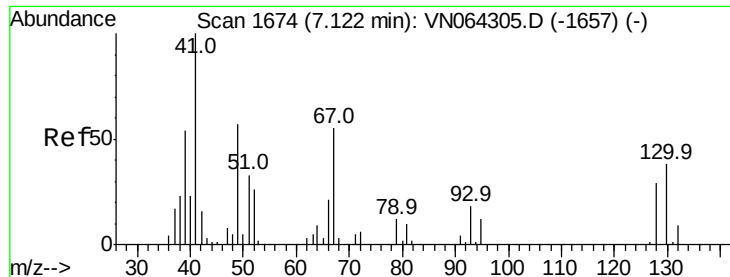
Tot Ion:117 Resp: 94092
Ion Ratio Lower Upper
117 100
119 92.9 79.3 118.9
121 29.3 24.6 37.0



#34
Benzene
Concen: 18.434 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 78 Resp: 218966
Ion Ratio Lower Upper
78 100
77 22.9 16.5 24.7
51 28.3 24.5 36.7

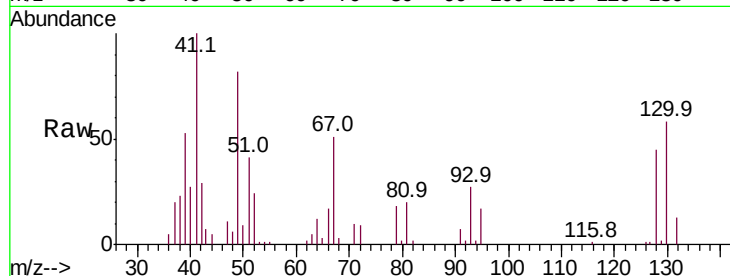




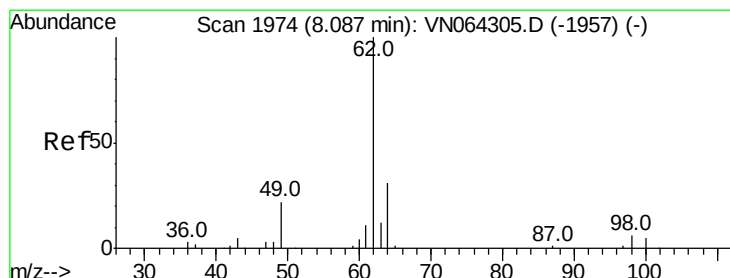
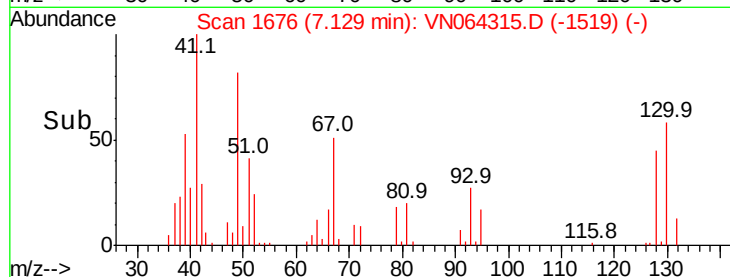
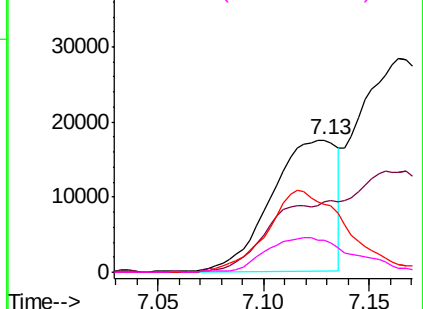
#35
Methacrylonitrile
Concen: 17.388 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 41 Resp: 37868
Ion Ratio Lower Upper
41 100
39 53.5 27.1 81.2
67 51.8 27.7 83.1
52 24.2 13.2 39.5

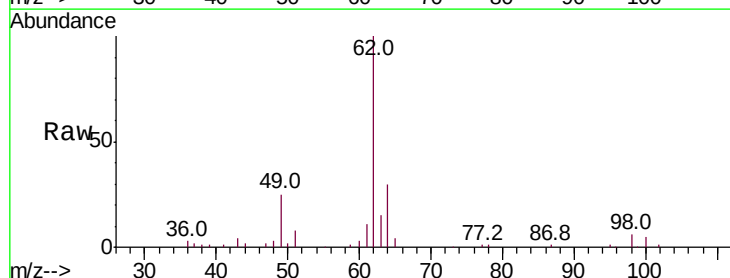


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

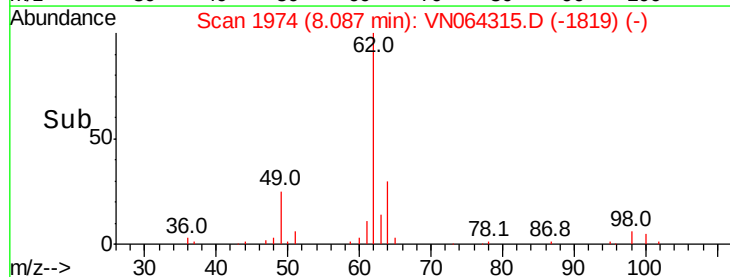
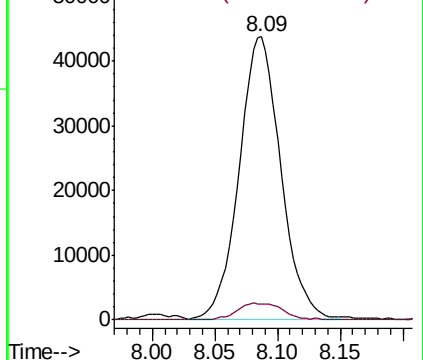


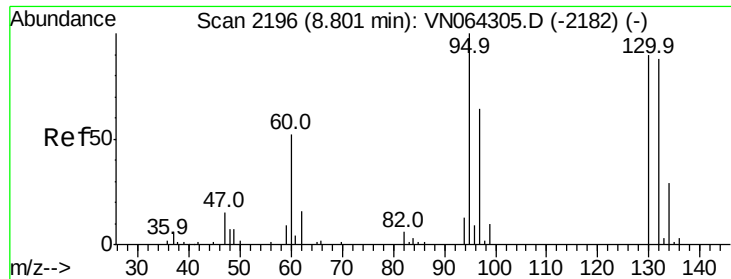
#36
1,2-Dichloroethane
Concen: 19.182 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 62 Resp: 101209
Ion Ratio Lower Upper
62 100
98 3.5 3.4 5.0



Abundance Ion 62.00 (61.70 to 62.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#37

Trichloroethene

Concen: 19.083 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

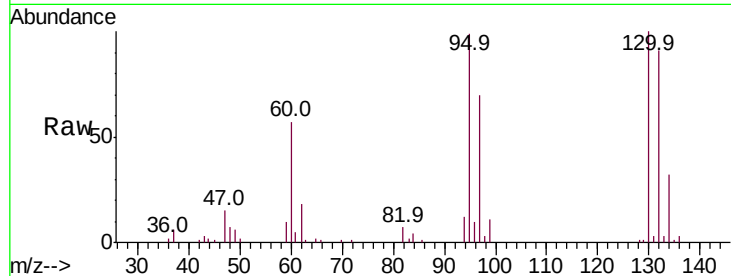
VSTDCCC020EC

Tot Ion:130 Resp: 61827

Ion Ratio Lower Upper

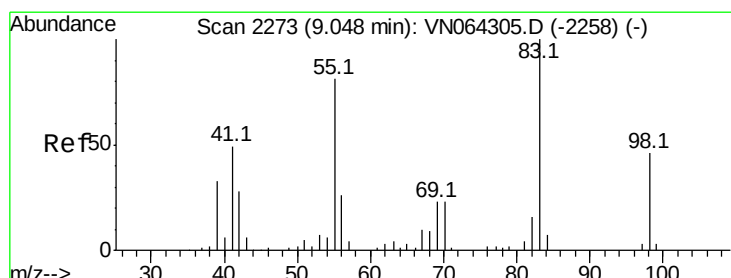
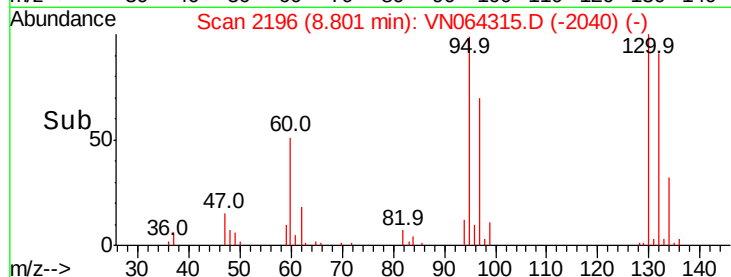
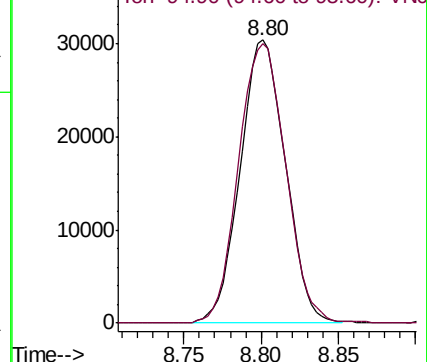
130 100

95 98.8 88.8 133.2



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN



#38

Methylcyclohexane

Concen: 17.818 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

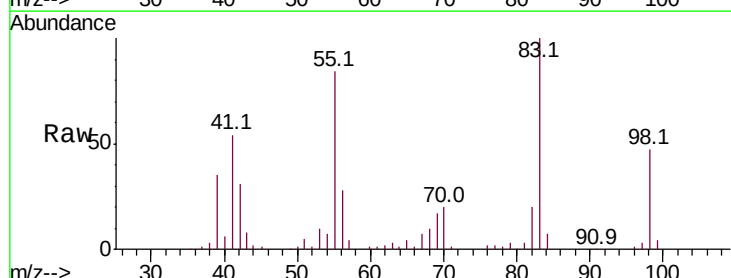
Tgt Ion: 83 Resp: 76201

Ion Ratio Lower Upper

83 100

55 84.6 40.3 120.8

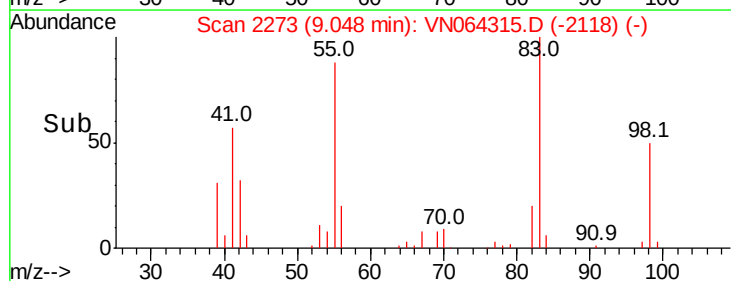
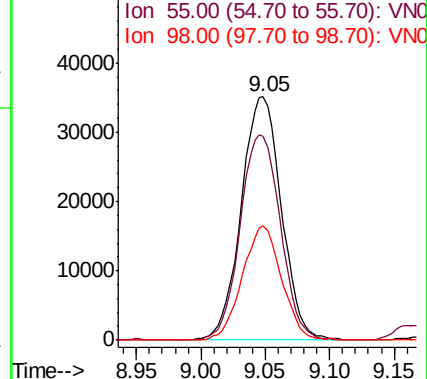
98 45.6 22.8 68.3

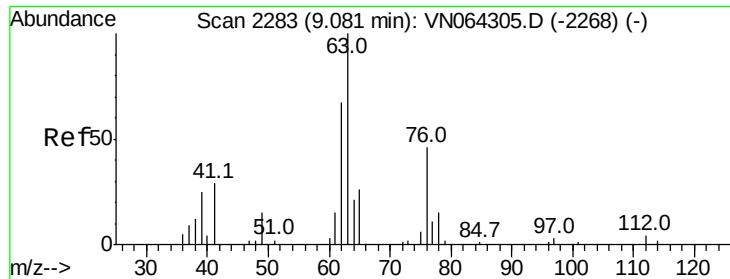


Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN





#39

1,2-Dichloropropane

Concen: 17.888 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

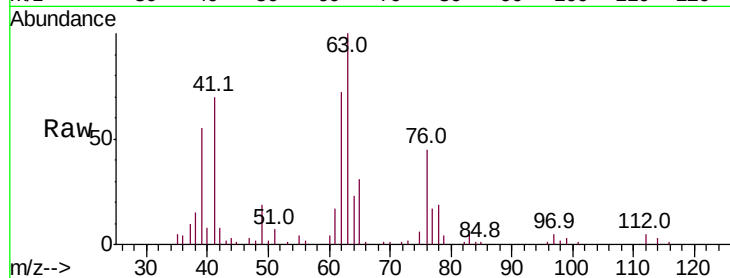
VSTDCCC020EC

Tot Ion: 63 Resp: 57363

Ion Ratio Lower Upper

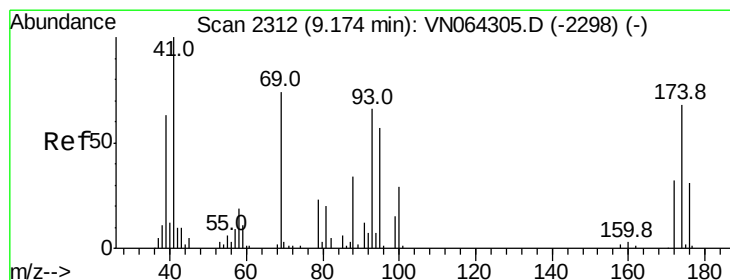
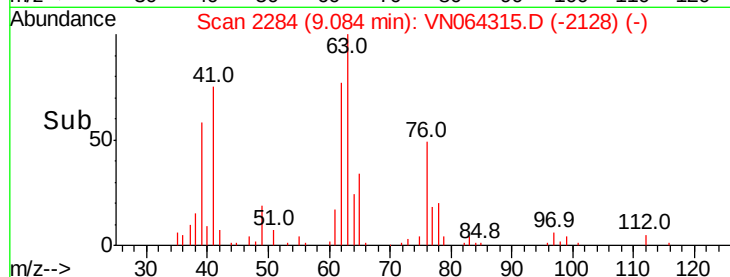
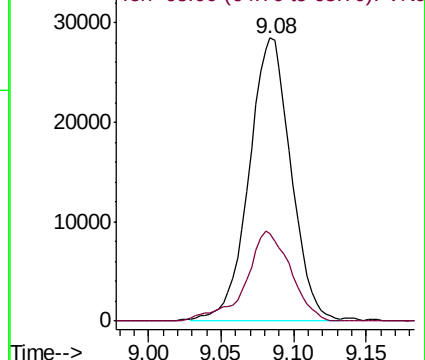
63 100

65 31.2 22.6 33.8



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 19.045 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

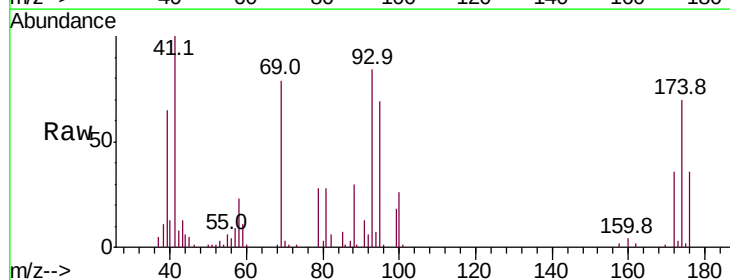
Tgt Ion: 93 Resp: 42389

Ion Ratio Lower Upper

93 100

95 80.6 0.0 174.4

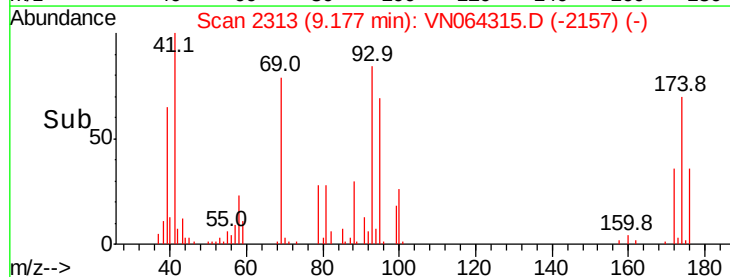
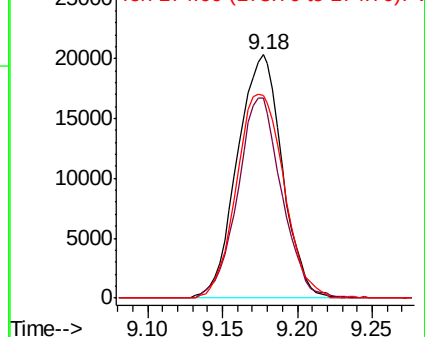
174 88.6 0.0 188.0

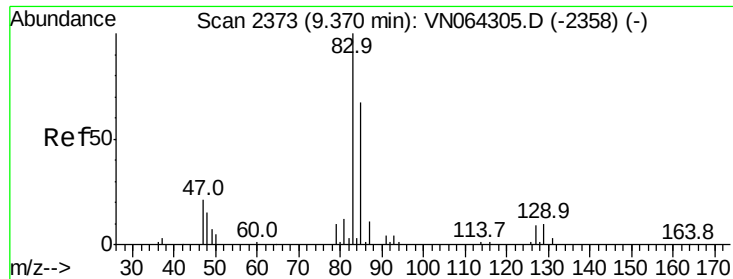


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.643 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

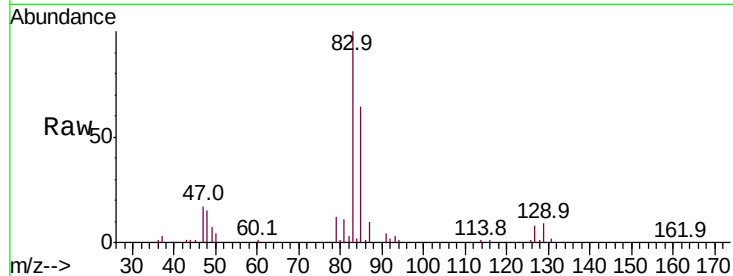
Tot Ion: 83 Resp: 89618

Ion Ratio Lower Upper

83 100

85 64.0 53.4 80.0

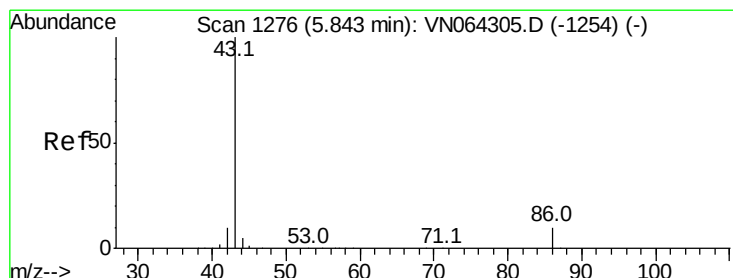
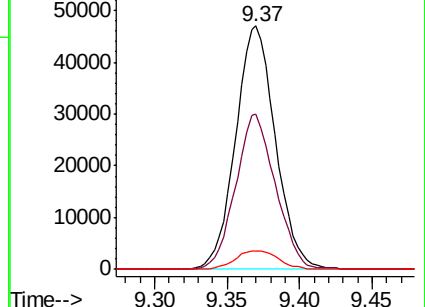
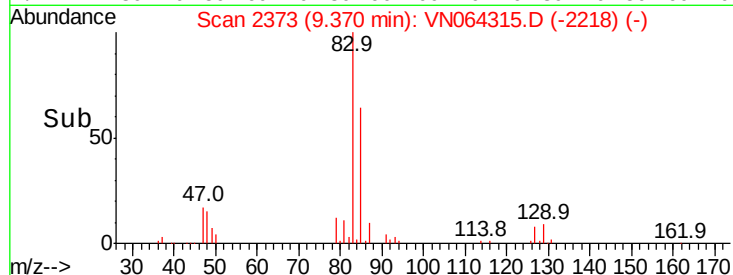
127 7.6 7.0 10.4



Abundance Ion 83.00 (82.70 to 83.70): VN064315.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064315.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064315.D (-2358) (-)



#42

Vinyl Acetate

Concen: 90.087 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN064315.D

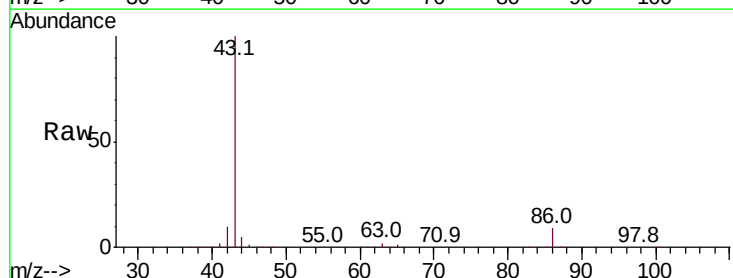
Acq: 26 Oct 2020 21:26

Tgt Ion: 43 Resp: 802817

Ion Ratio Lower Upper

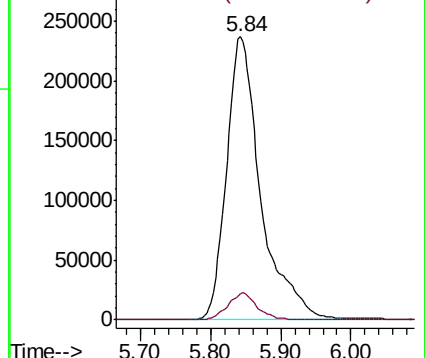
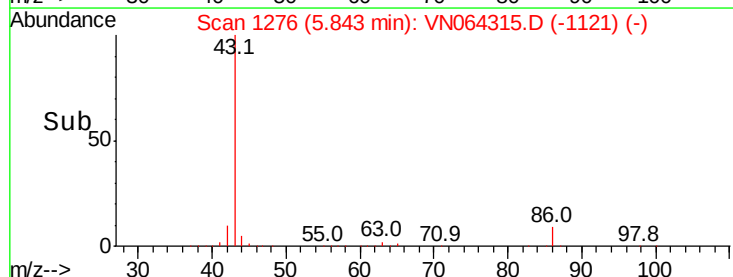
43 100

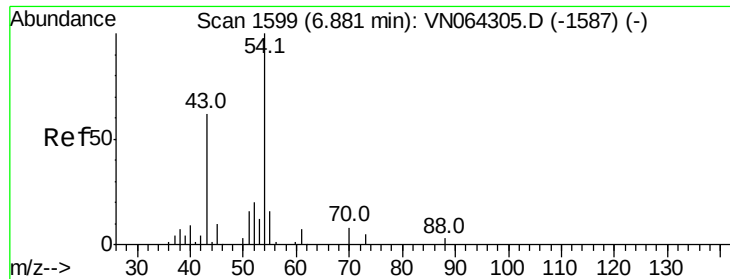
86 7.9 6.6 9.8



Abundance Ion 43.00 (42.70 to 43.70): VN064315.D (-1121) (-)

Ion 86.00 (85.70 to 86.70): VN064315.D (-1121) (-)





#43

Ethyl Acetate

Concen: 6.689 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.28 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

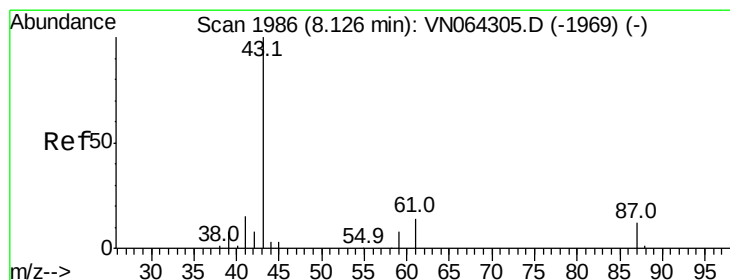
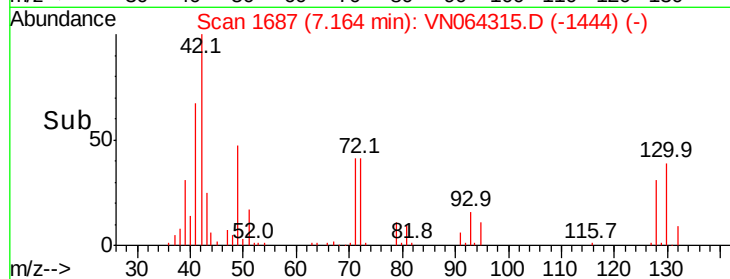
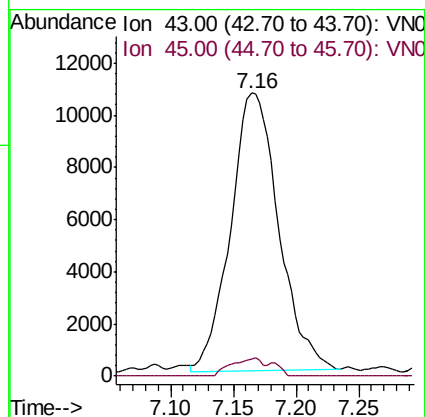
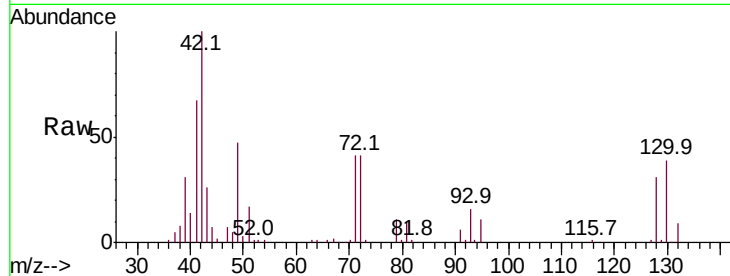
VSTDCCC020EC

Tot Ion: 43 Resp: 28434

Ion Ratio Lower Upper

43 100

45 4.3 4.0 6.0



#44

Isopropyl Acetate

Concen: 18.076 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064315.D

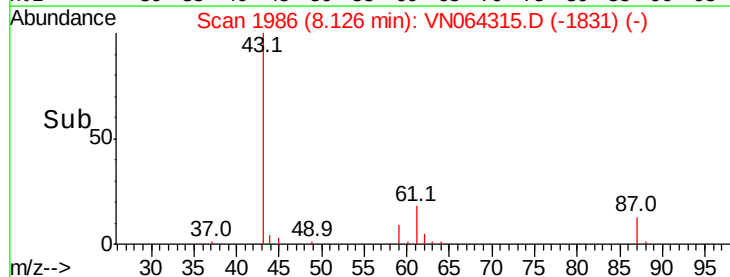
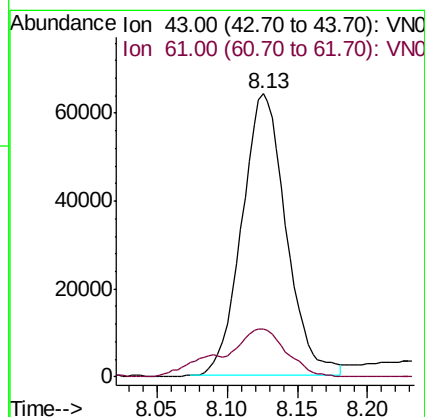
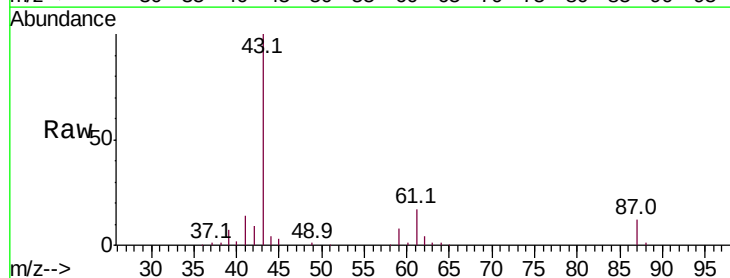
Acq: 26 Oct 2020 21:26

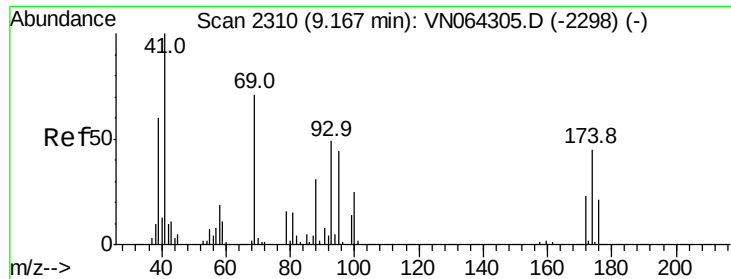
Tgt Ion: 43 Resp: 141186

Ion Ratio Lower Upper

43 100

61 18.7 14.3 21.5

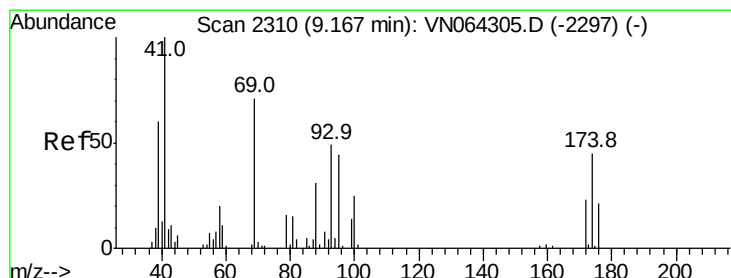
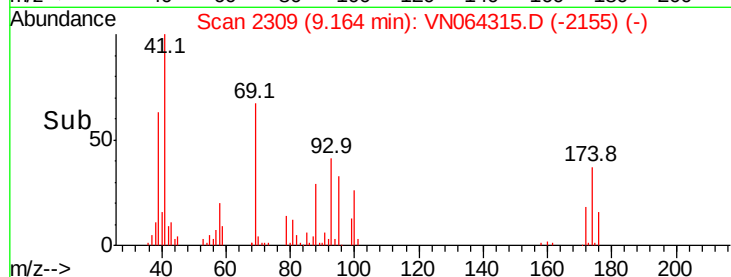
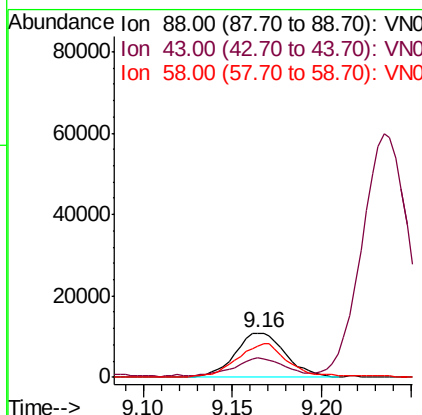
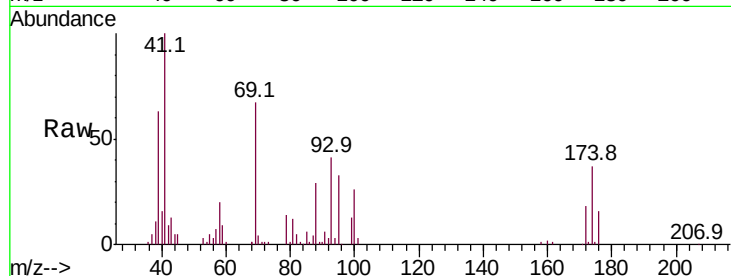




#45
 1,4-Dioxane
 Concen: 357.929 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

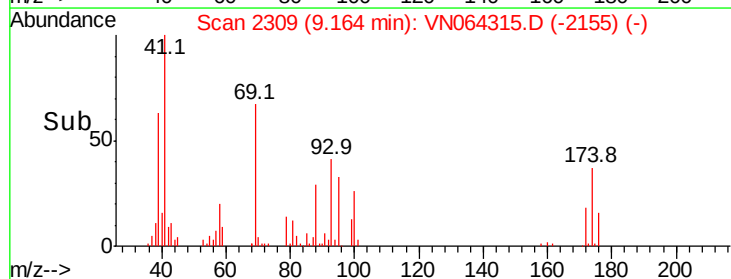
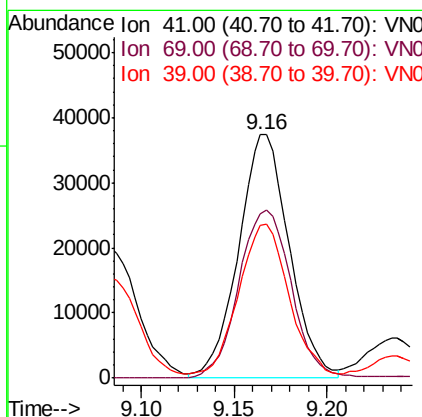
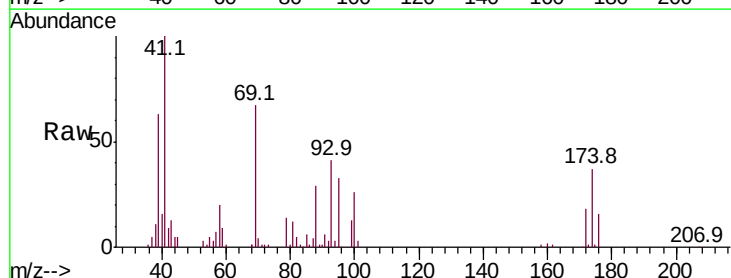
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

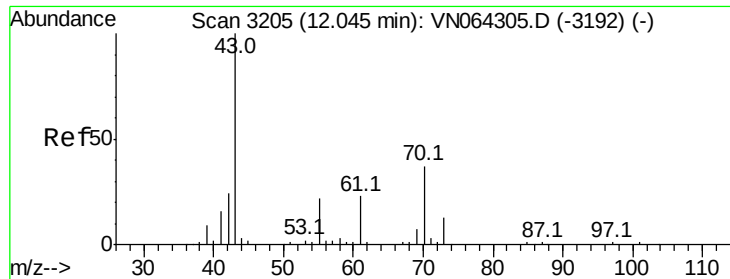
Tot Ion: 88 Resp: 21561
 Ion Ratio Lower Upper
 88 100
 43 37.1 31.2 46.8
 58 77.9 55.4 83.2



#46
 Methyl methacrylate
 Concen: 18.705 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion: 41 Resp: 71294
 Ion Ratio Lower Upper
 41 100
 69 68.5 35.3 105.9
 39 62.4 30.2 90.6





#47

n-amvl Acetate

Concen: 17.431 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

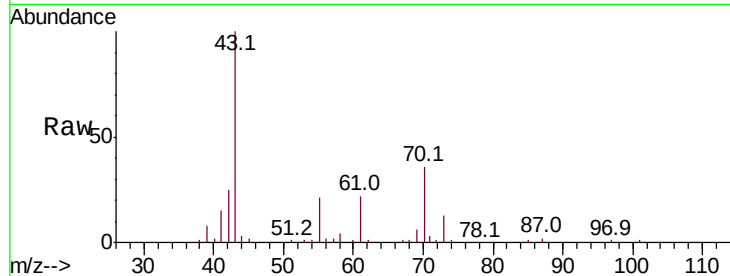
VSTDCCC020EC

Tot Ion: 43 Resp: 114623

Ion Ratio Lower Upper

43 100

55 20.9 17.3 25.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.05

80000

60000

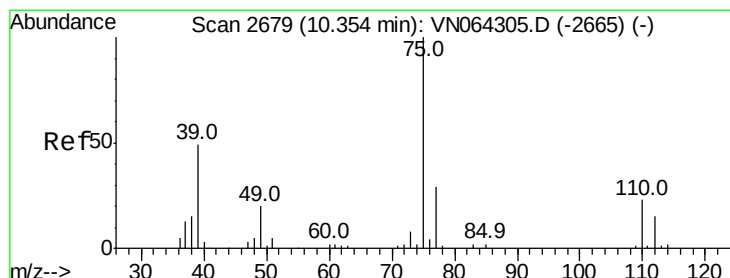
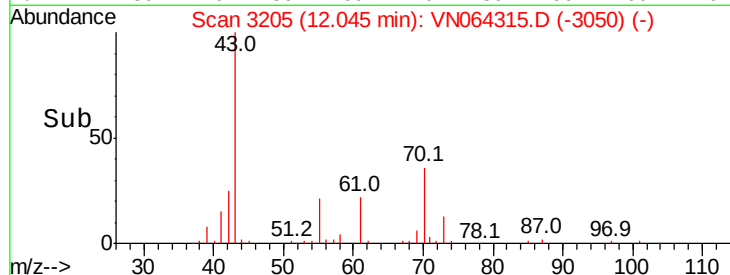
40000

20000

0

Time-->

12.00 12.05 12.10



#48

t-1,3-Dichloropropene

Concen: 17.560 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064315.D

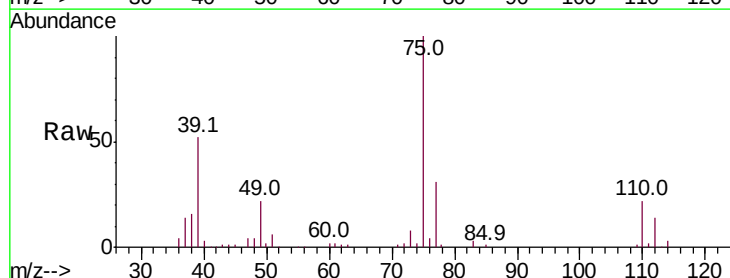
Acq: 26 Oct 2020 21:26

Tgt Ion: 75 Resp: 95209

Ion Ratio Lower Upper

75 100

77 30.4 23.7 35.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.35

60000

50000

40000

30000

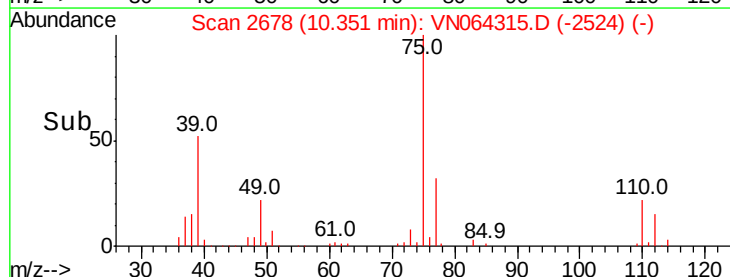
20000

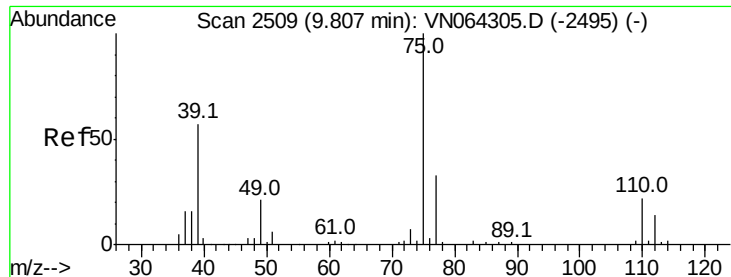
10000

0

Time-->

10.30 10.35 10.40



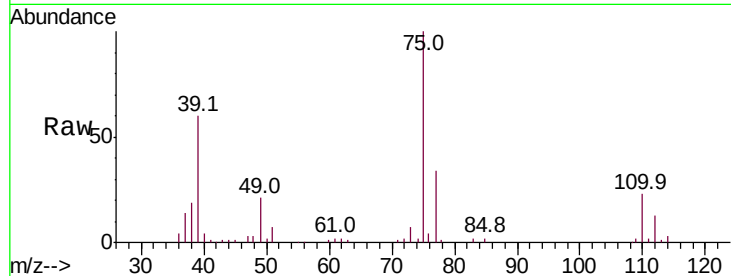


#49

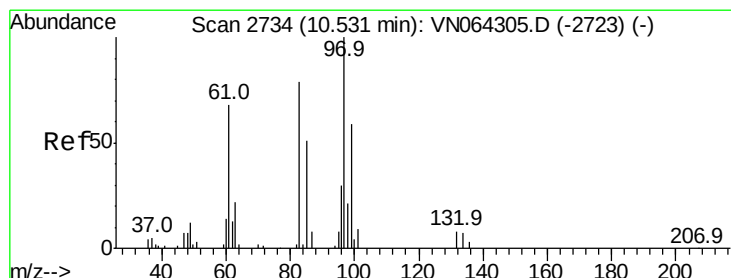
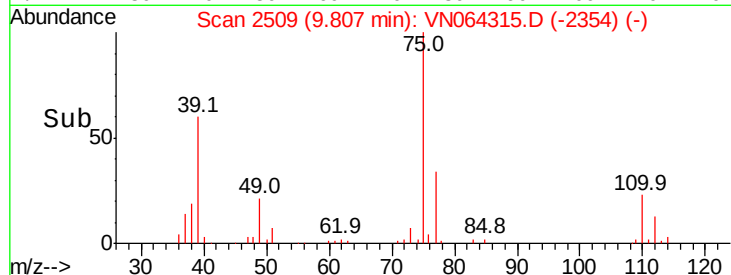
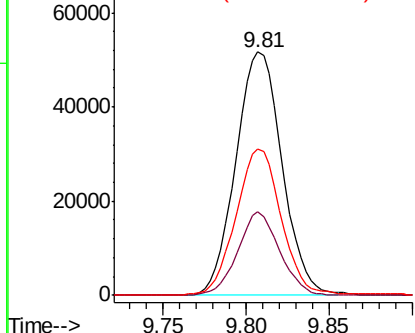
cis-1,3-Dichloropropene
 Concen: 18.160 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	26.7	40.1
39	59.5	45.9	68.9



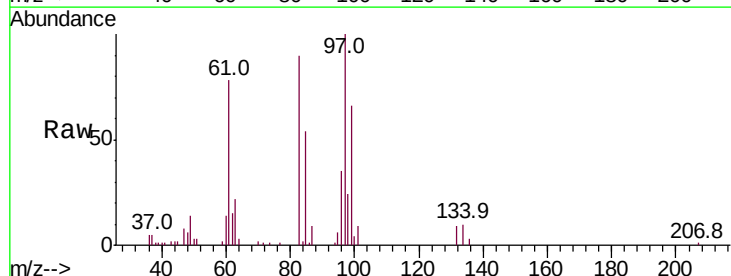
Abundance Ion 75.00 (74.70 to 75.70): VNO
 Ion 77.00 (76.70 to 77.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO



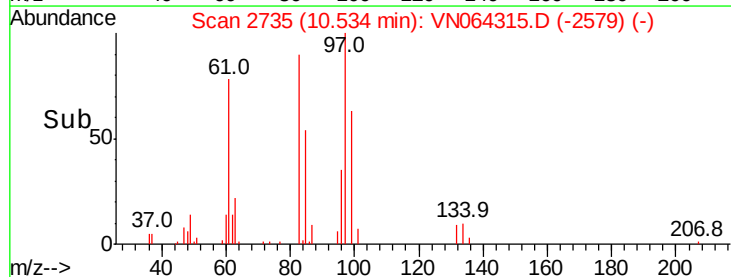
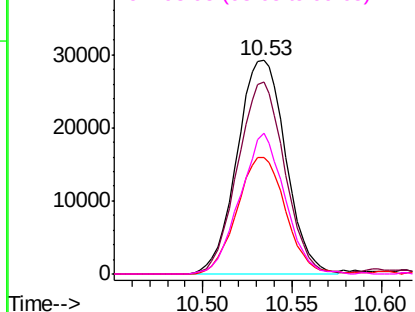
#50

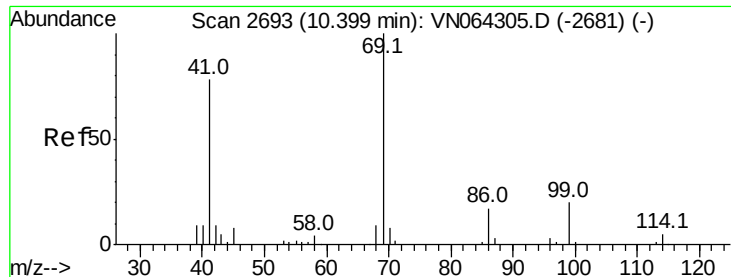
1,1,2-Trichloroethane
 Concen: 18.639 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	63.2	94.8
85	54.4	41.0	61.6
99	66.2	47.4	71.0



Abundance Ion 97.00 (96.70 to 97.70): VNO
 Ion 82.95 (82.65 to 83.65): VNO
 Ion 84.95 (84.65 to 85.65): VNO
 Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 17.562 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

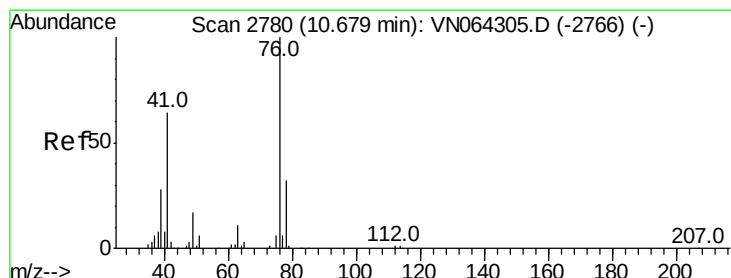
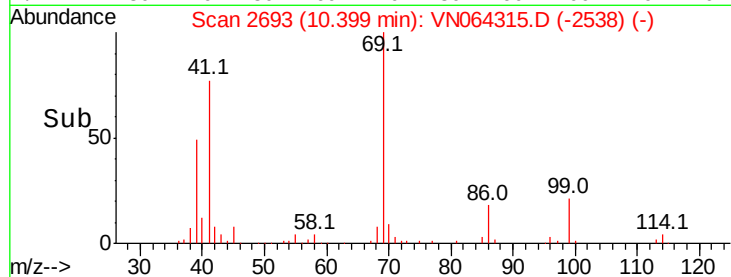
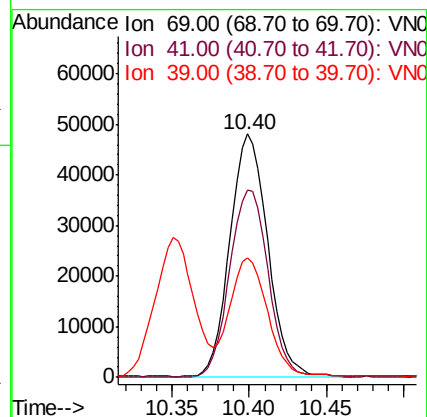
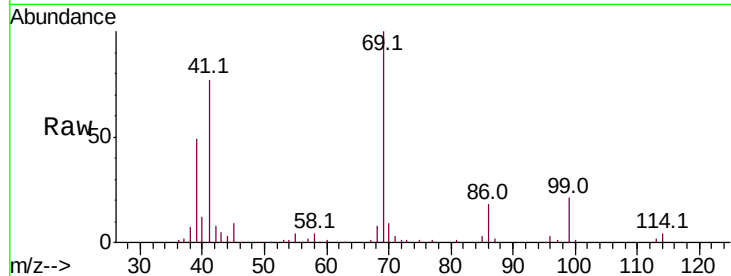
Tot Ion: 69 Resp: 81942

Ion Ratio Lower Upper

69 100

41 76.5 38.8 116.4

39 48.4 24.6 74.0



#52

1,3-Dichloropropane

Concen: 18.505 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064315.D

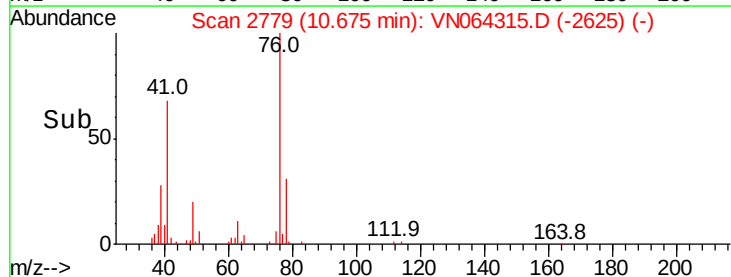
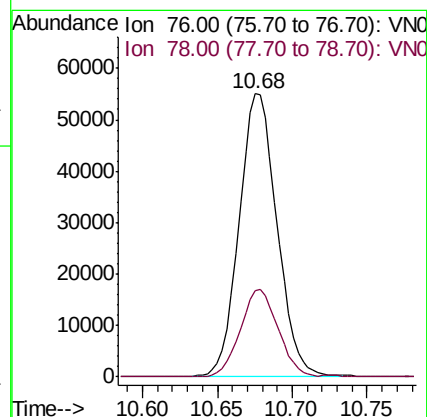
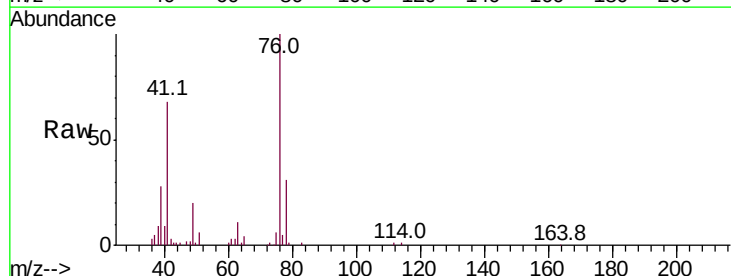
Acq: 26 Oct 2020 21:26

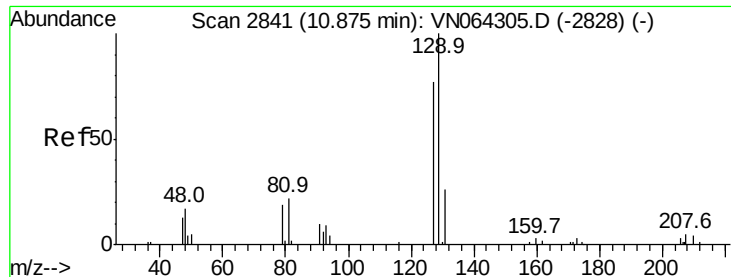
Tgt Ion: 76 Resp: 97099

Ion Ratio Lower Upper

76 100

78 30.8 0.0 61.6





#53

Dibromochloromethane

Concen: 18.348 ug/l

RT: 10.87 min Scan# 2840

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

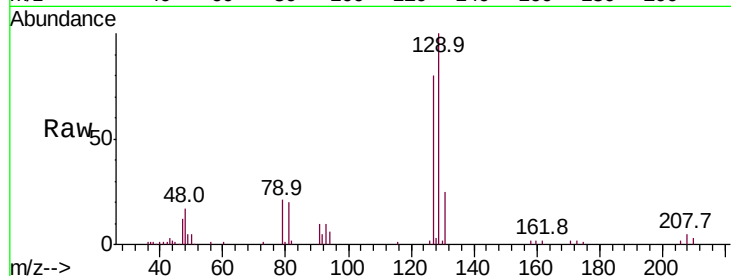
VSTDCCC020EC

Tot Ion:129 Resp: 66960

Ion Ratio Lower Upper

129 100

127 79.2 38.9 116.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.87

40000

30000

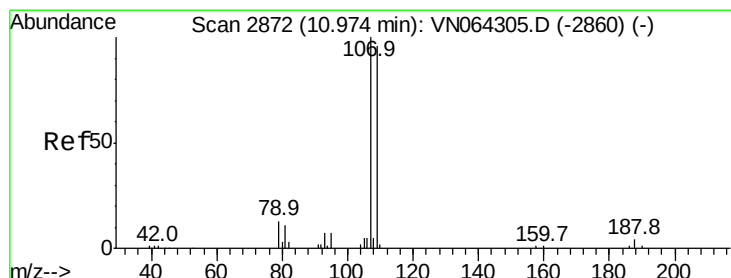
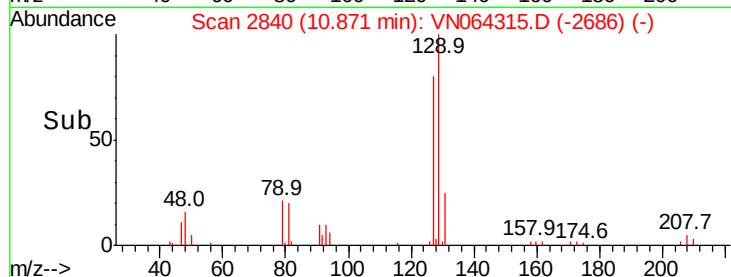
20000

10000

0

Time-->

10.80 10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 17.868 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064315.D

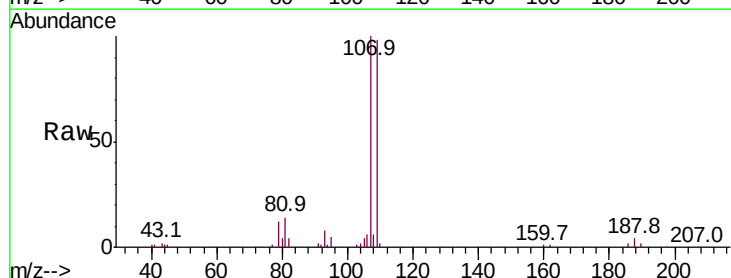
Acq: 26 Oct 2020 21:26

Tgt Ion:107 Resp: 57035

Ion Ratio Lower Upper

107 100

109 97.1 74.8 112.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

10.98

30000

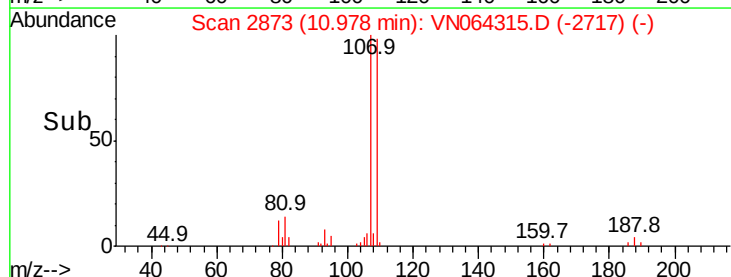
20000

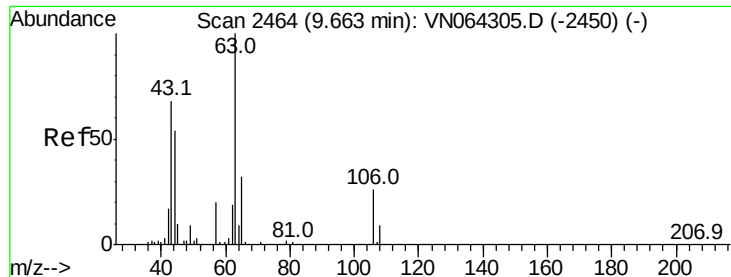
10000

0

Time-->

10.90 10.95 11.00 11.05

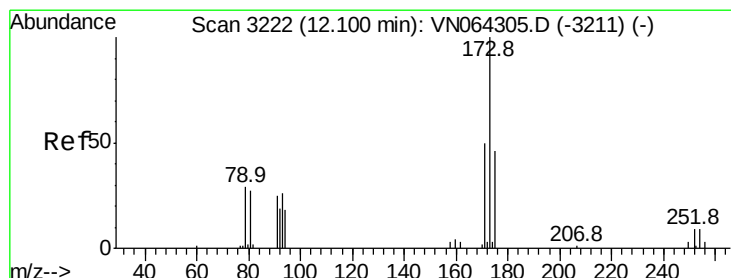
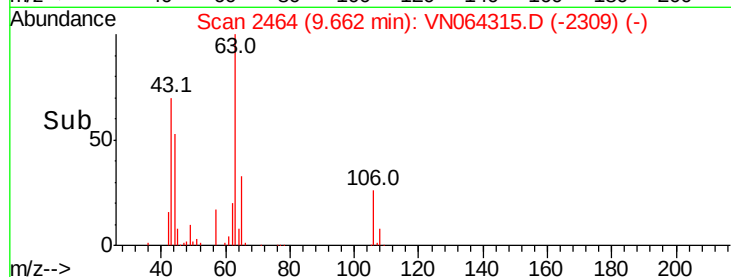
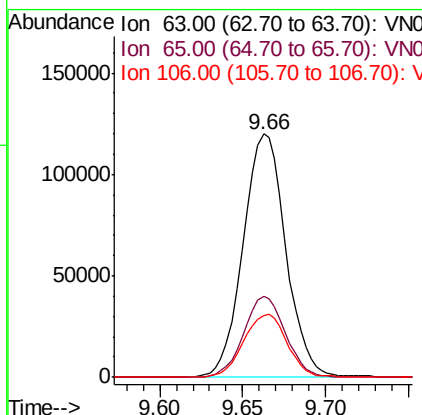
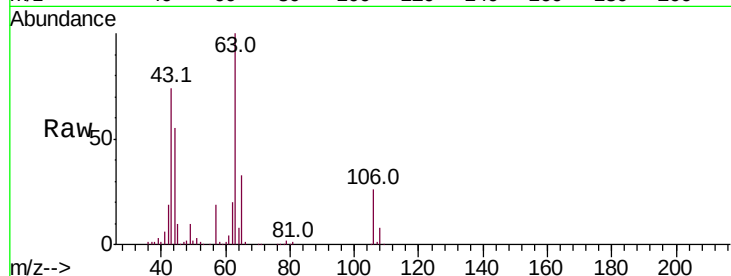




#55
 2-Chloroethyl vinyl ether
 Concen: 92.280 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

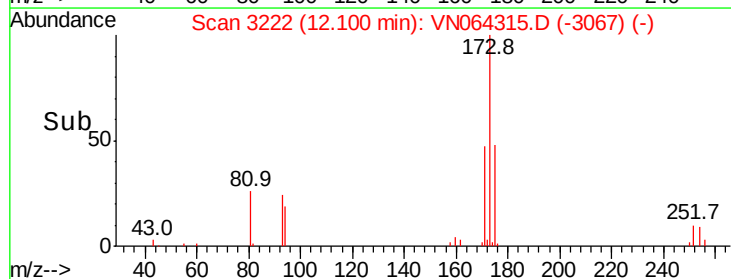
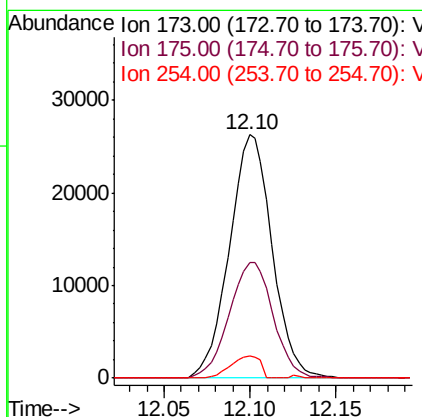
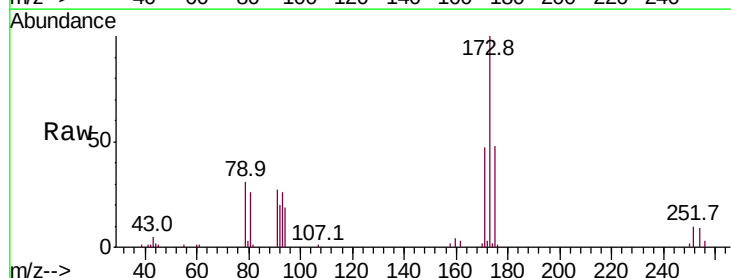
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

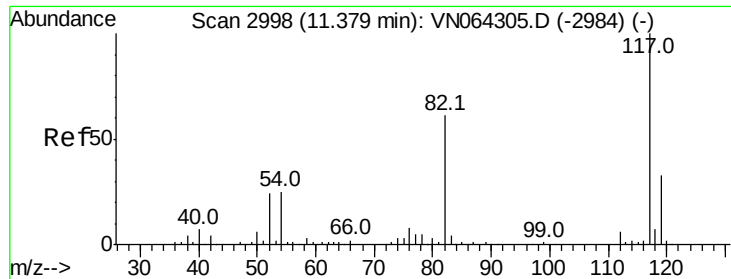
Tot Ion: 63 Resp: 214305
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.6 38.4
 106 26.5 20.7 31.1



#56
 Bromoform
 Concen: 17.373 ug/l
 RT: 12.10 min Scan# 3222
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion: 173 Resp: 45455
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.3 55.9
 254 6.4 4.8 7.2

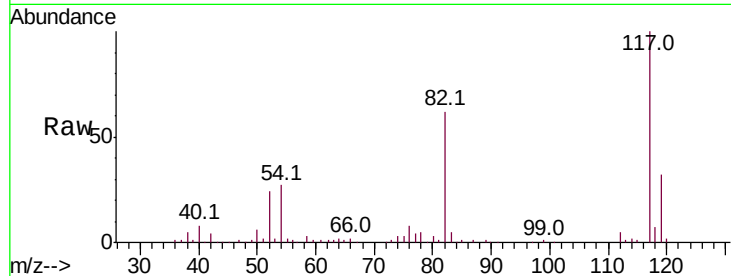




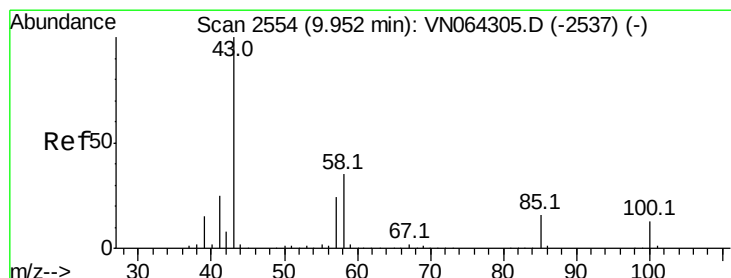
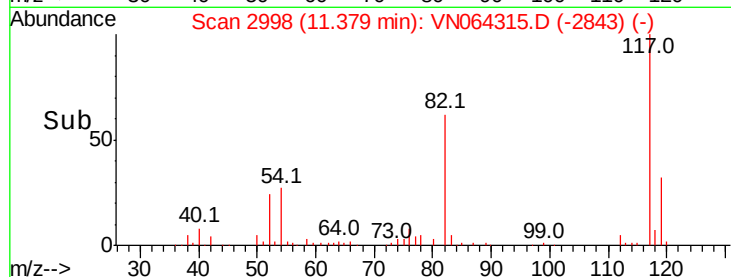
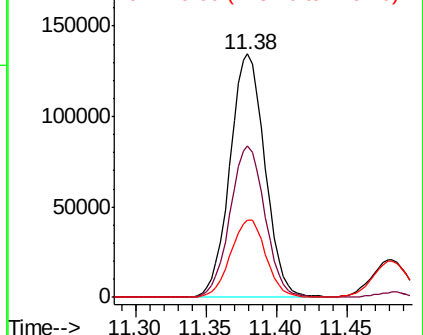
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:117 Resp: 234041
Ion Ratio Lower Upper
117 100
82 62.0 48.7 73.1
119 31.9 25.1 37.7

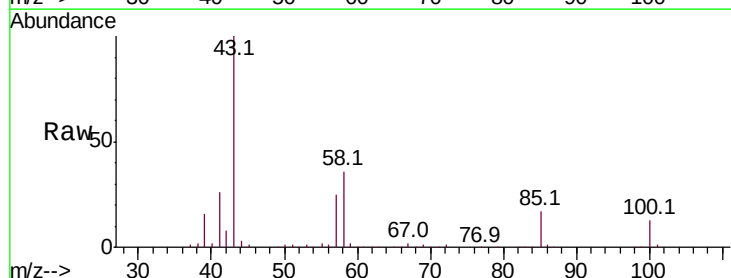


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

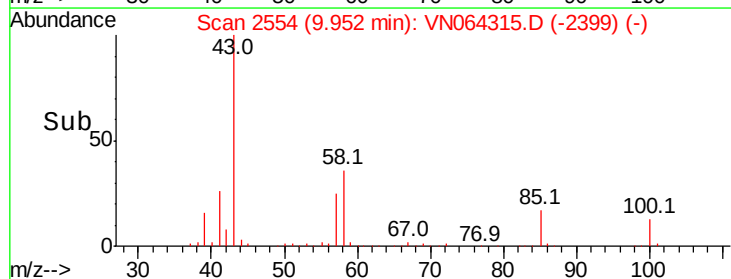
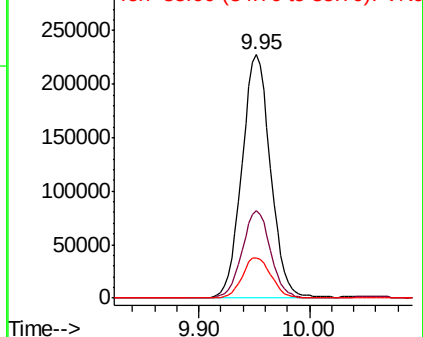


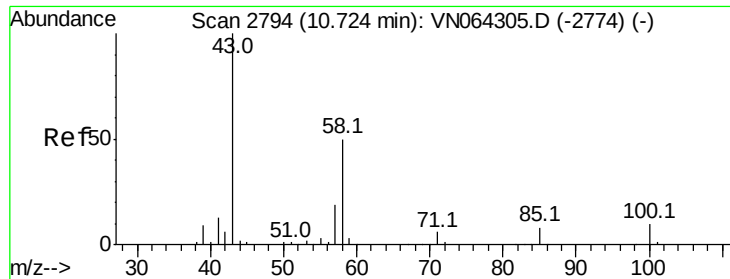
#58
4-Methyl-2-Pentanone
Concen: 94.233 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 43 Resp: 408024
Ion Ratio Lower Upper
43 100
58 35.8 28.7 43.1
85 17.0 13.4 20.2



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN
Ion 85.00 (84.70 to 85.70): VN

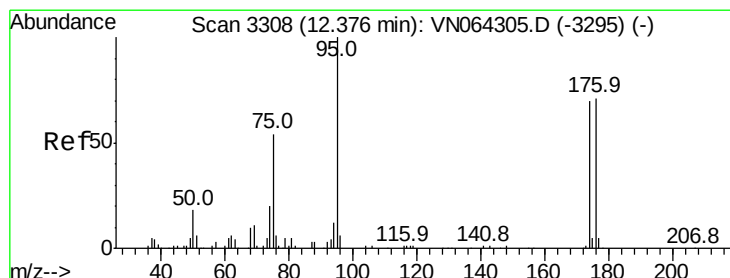
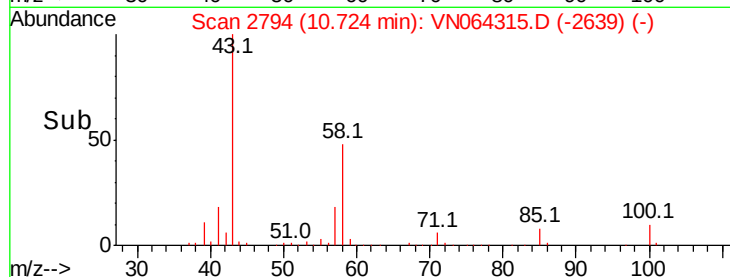
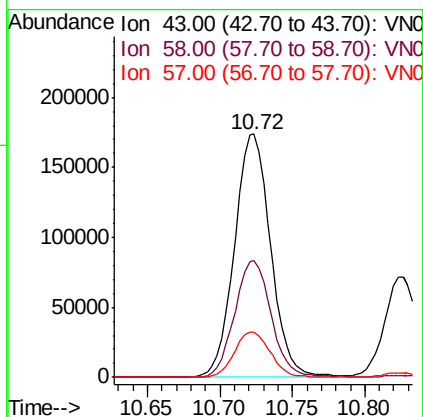
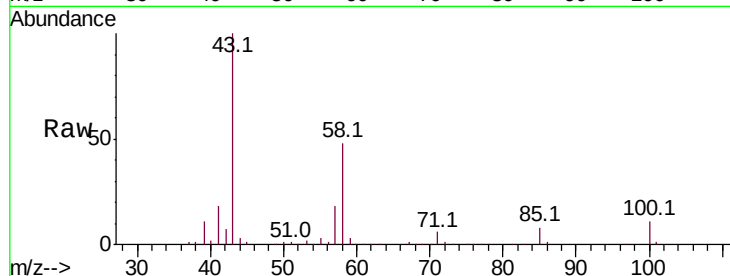




#59
2-Hexanone
Concen: 92.225 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

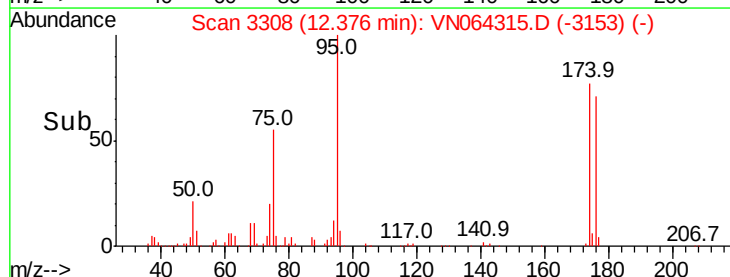
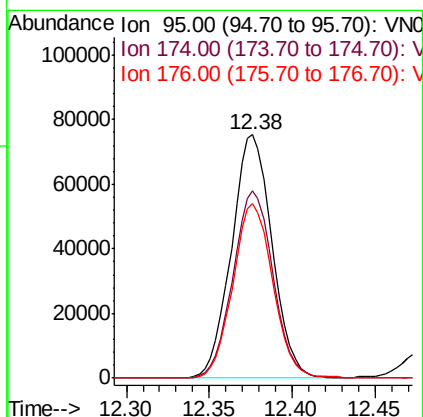
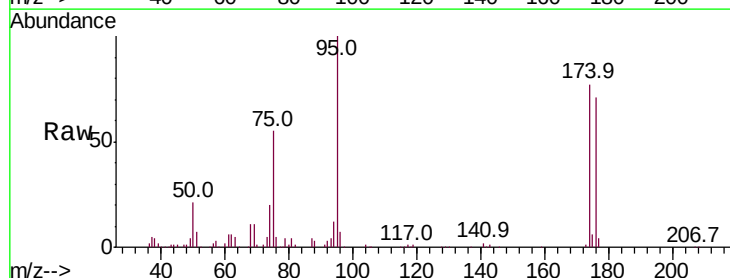
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

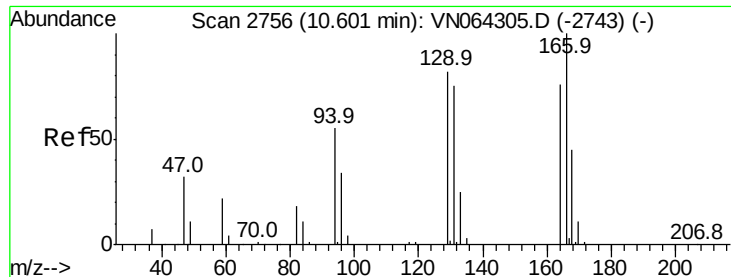
Tot Ion: 43 Resp: 298379
Ion Ratio Lower Upper
43 100
58 48.9 39.4 59.2
57 18.8 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 30.558 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion: 95 Resp: 127943
Ion Ratio Lower Upper
95 100
174 75.9 57.6 86.4
176 70.6 55.5 83.3





#61

Tetrachloroethene

Concen: 19.347 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 60382

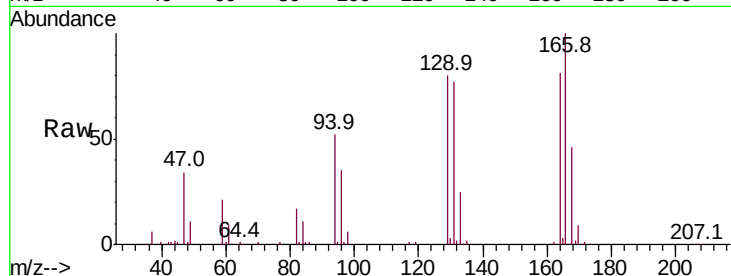
Ion Ratio Lower Upper

164 100

166 123.0 105.4 158.0

129 98.9 86.4 129.6

131 94.2 78.5 117.7

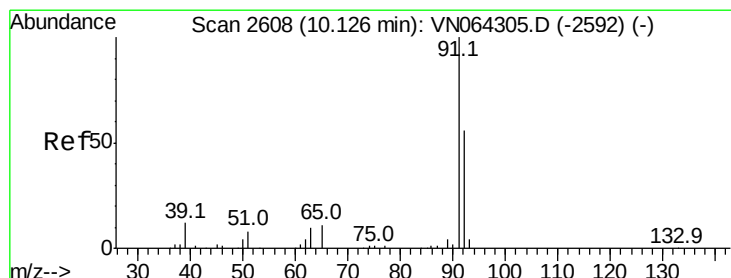
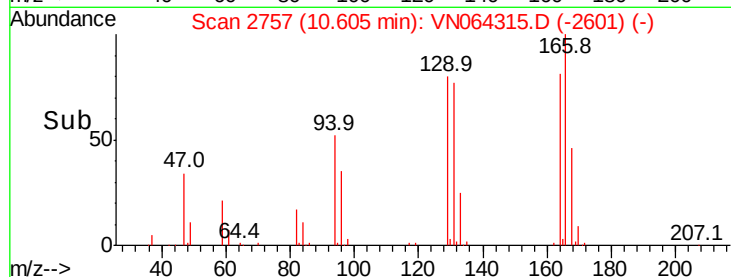
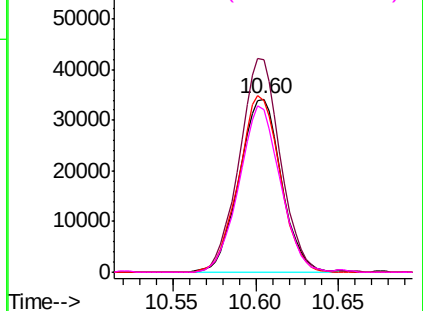


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.522 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. -0.00 min

Lab File: VN064315.D

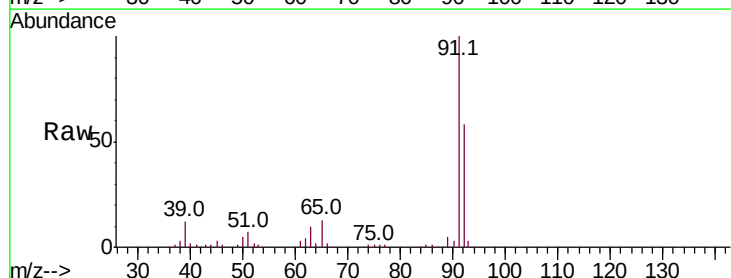
Acq: 26 Oct 2020 21:26

Tgt Ion: 91 Resp: 238781

Ion Ratio Lower Upper

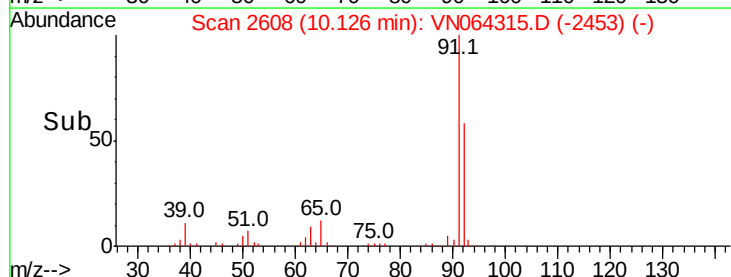
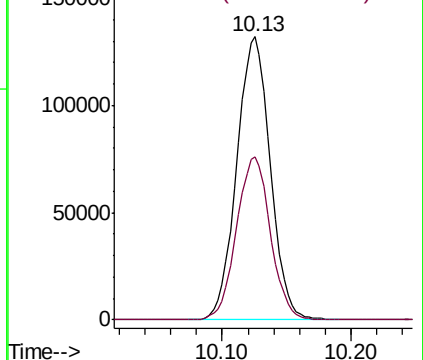
91 100

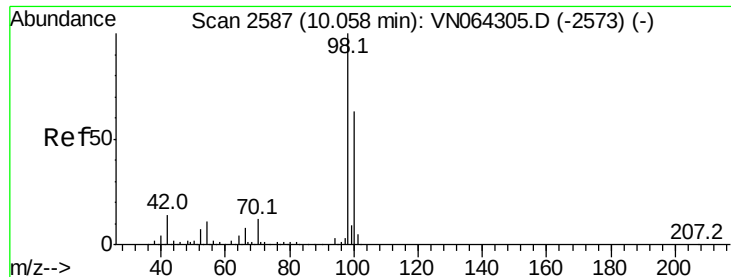
92 58.2 45.8 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.793 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

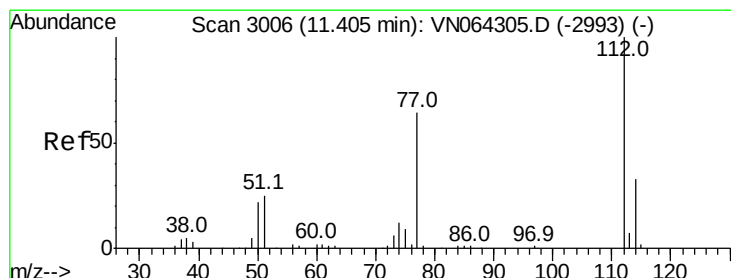
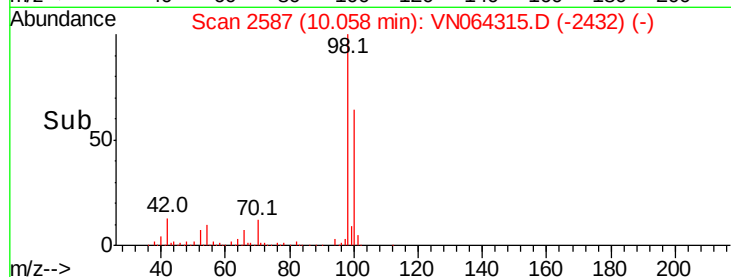
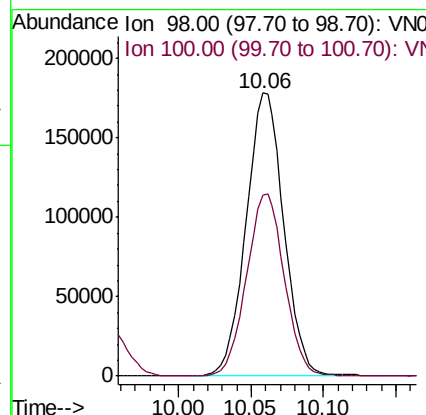
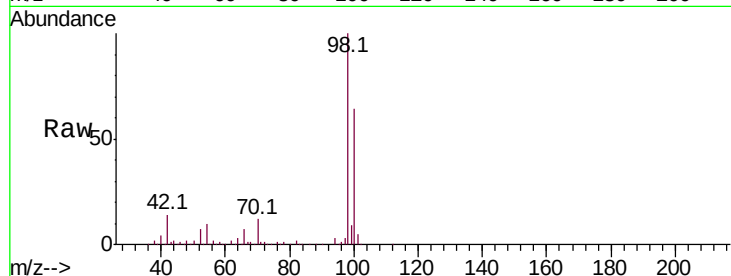
VSTDCCC020EC

Tot Ion: 98 Resp: 321395

Ion Ratio Lower Upper

98 100

100 64.4 50.6 75.8



#64

Chlorobenzene

Concen: 18.421 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. -0.00 min

Lab File: VN064315.D

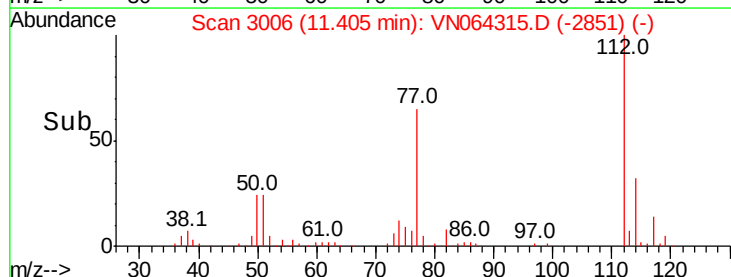
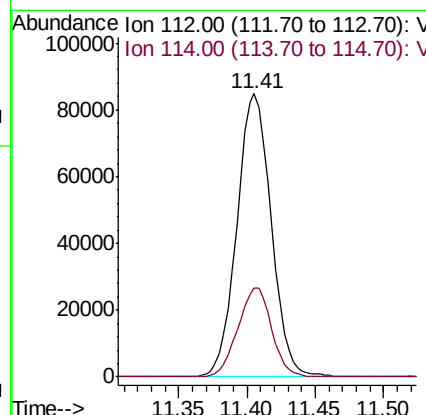
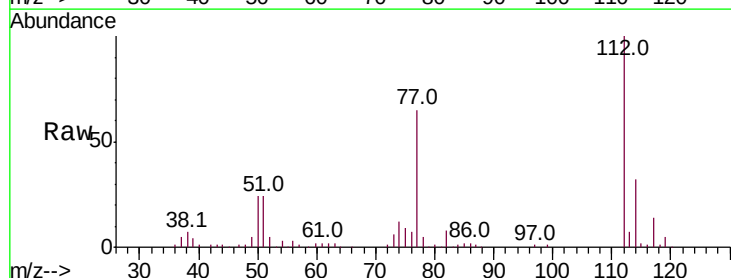
Acq: 26 Oct 2020 21:26

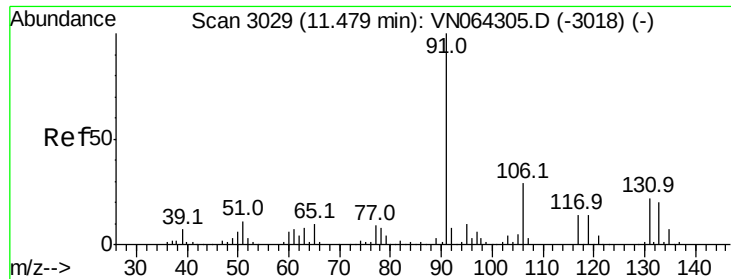
Tgt Ion: 112 Resp: 148046

Ion Ratio Lower Upper

112 100

114 31.6 26.7 40.1

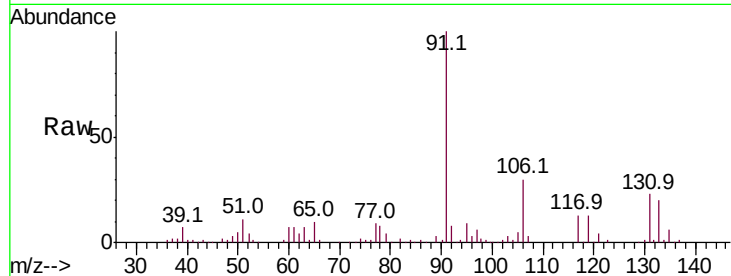




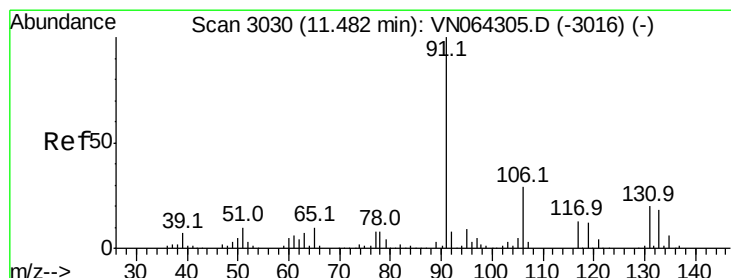
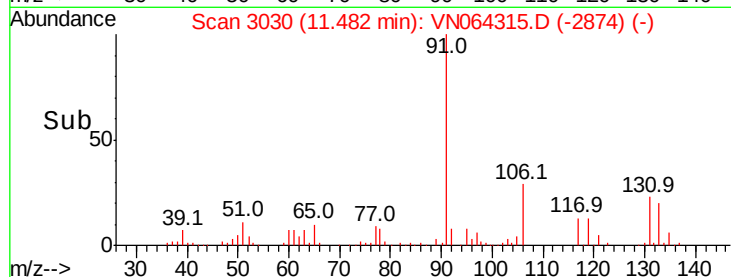
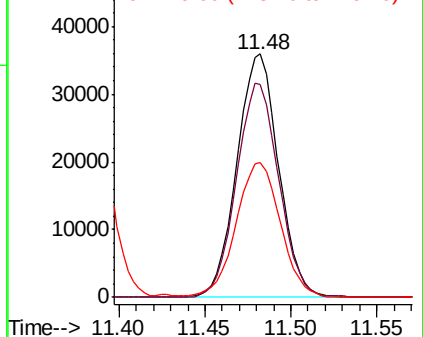
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.043 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. 0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:131 Resp: 60461
 Ion Ratio Lower Upper
 131 100
 133 89.3 0.0 183.0
 119 59.1 0.0 121.6

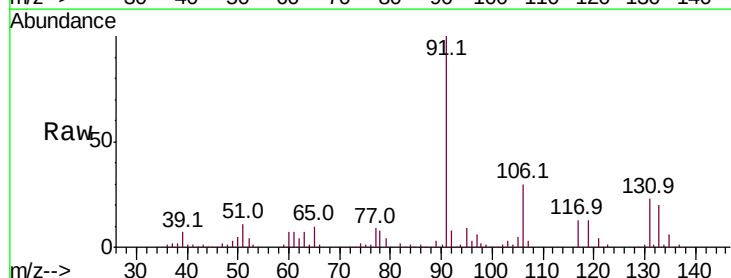


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

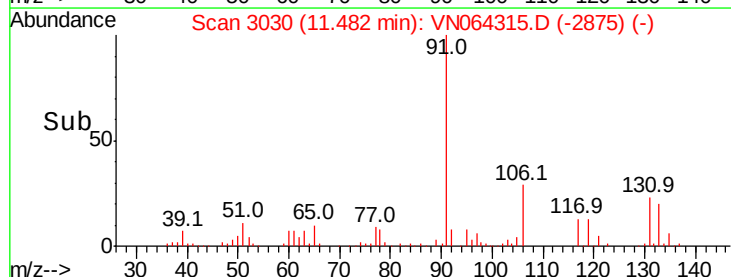
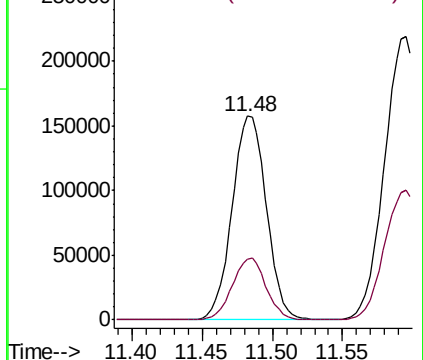


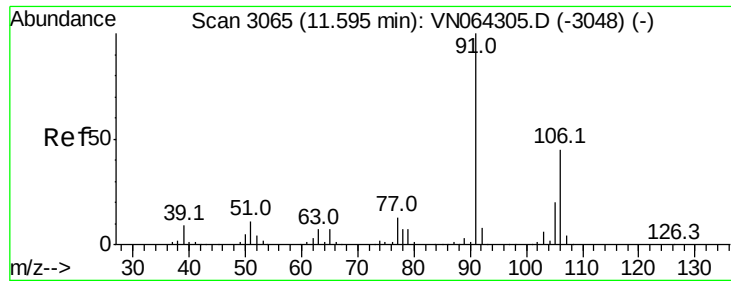
#66
 Ethyl Benzene
 Concen: 18.292 ug/l
 RT: 11.48 min Scan# 3030
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion: 91 Resp: 269506
 Ion Ratio Lower Upper
 91 100
 106 30.0 22.8 34.2



Abundance Ion 91.00 (90.70 to 91.70): VN0
 Ion 106.00 (105.70 to 106.70): V

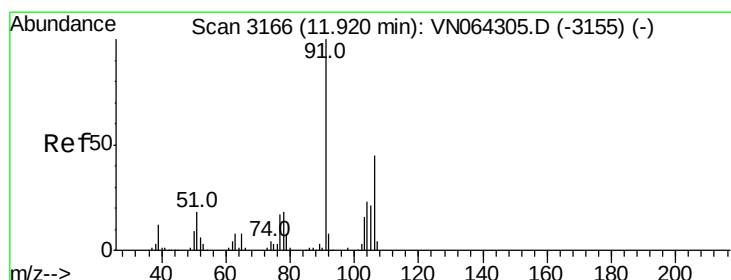
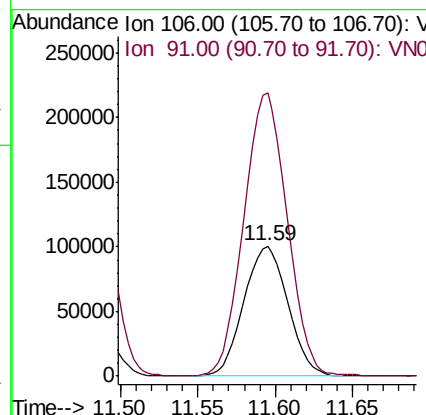
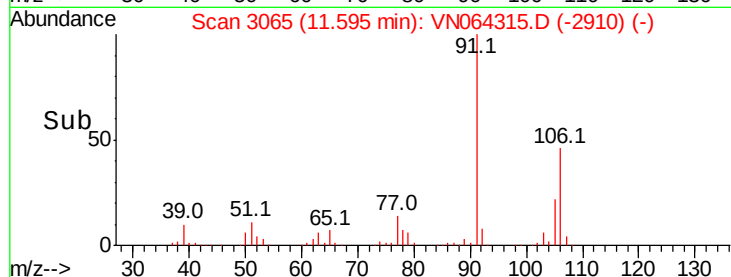
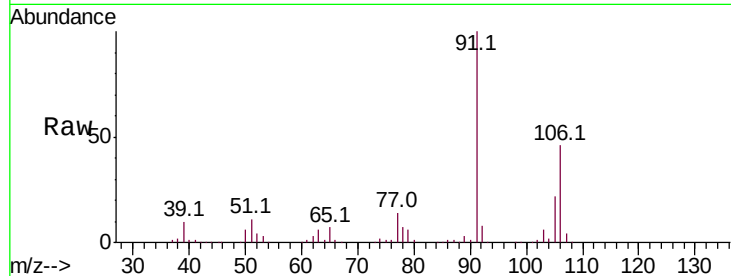




#67
m/p-Xylenes
Concen: 36.730 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

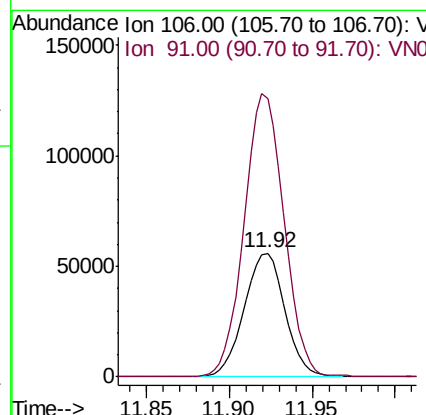
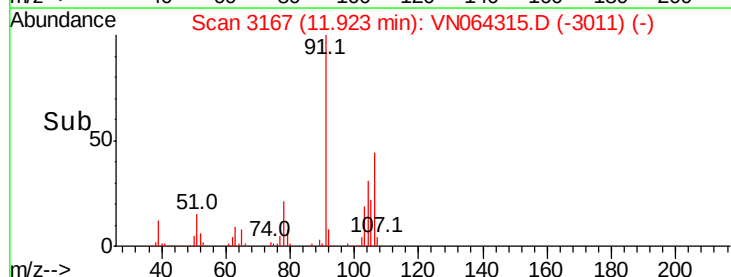
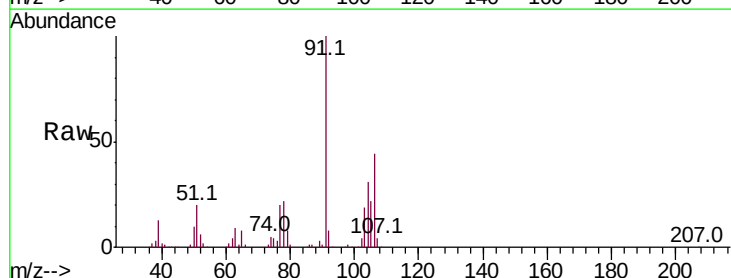
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

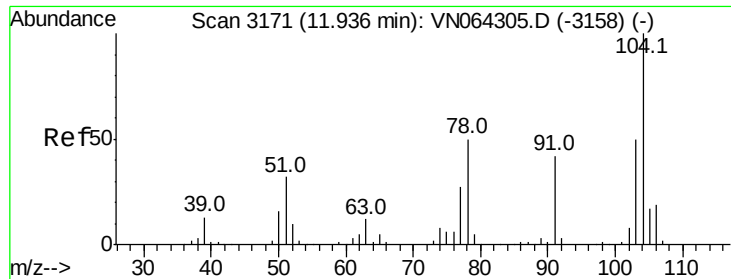
Tot Ion:106 Resp: 198741
Ion Ratio Lower Upper
106 100
91 213.7 176.2 264.2



#68
o-Xylene
Concen: 17.991 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion:106 Resp: 95733
Ion Ratio Lower Upper
106 100
91 224.6 112.9 338.6

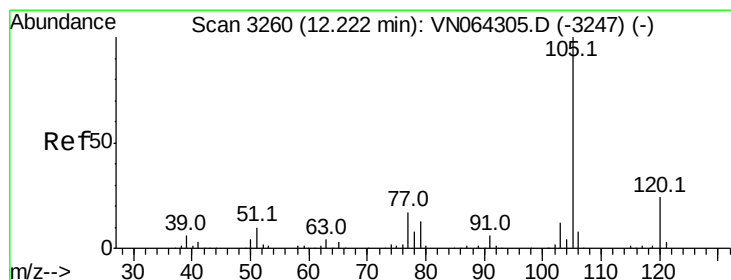
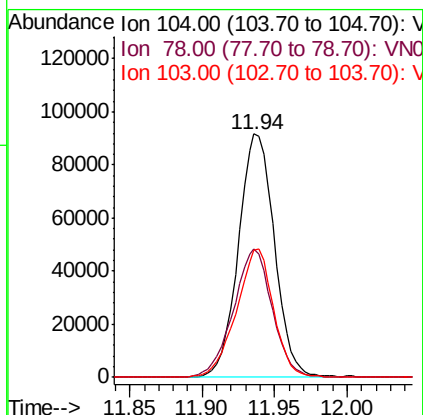
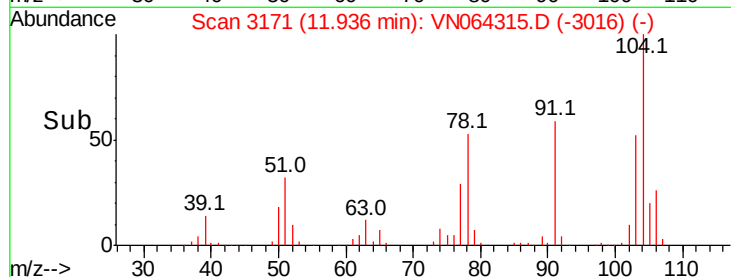
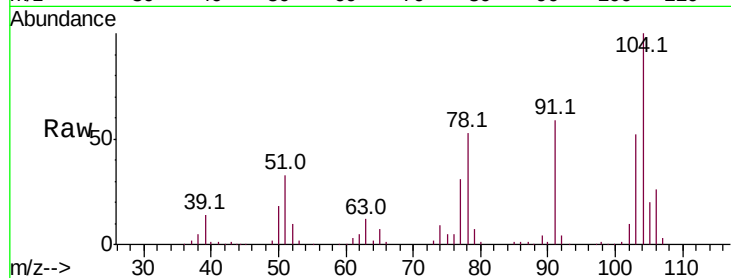




#69
Stvrene
Concen: 17.911 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

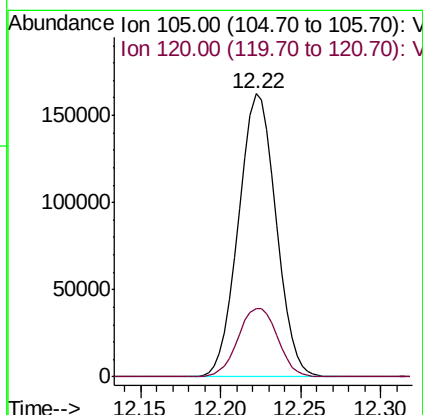
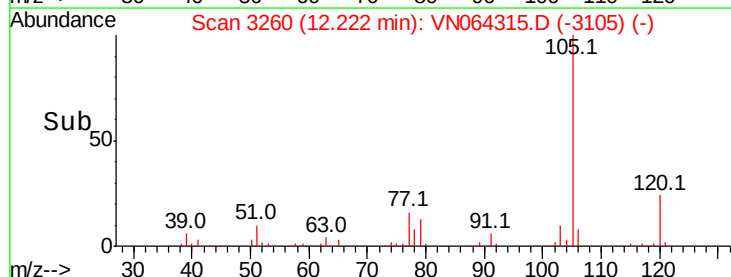
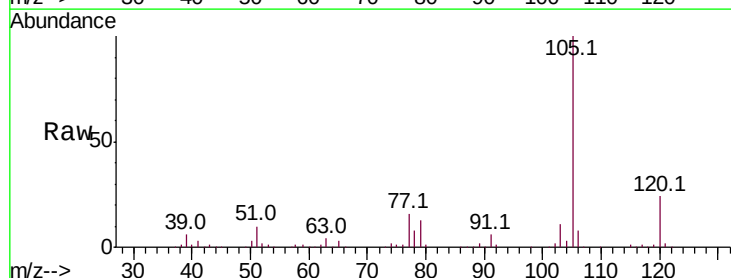
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

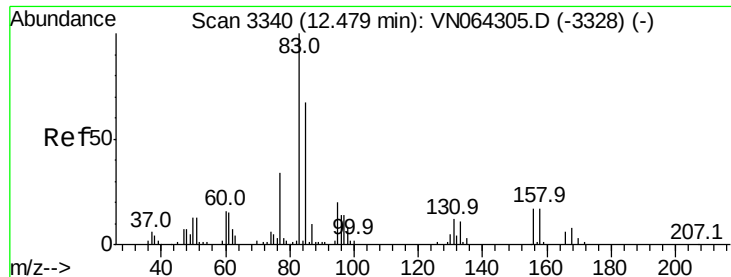
Tot Ion:104 Resp: 158848
Ion Ratio Lower Upper
104 100
78 57.0 46.3 69.5
103 54.3 44.2 66.2



#70
Isopropylbenzene
Concen: 18.399 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion:105 Resp: 259595
Ion Ratio Lower Upper
105 100
120 25.6 17.4 32.2

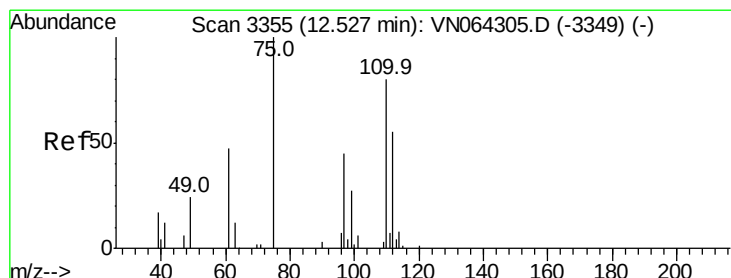
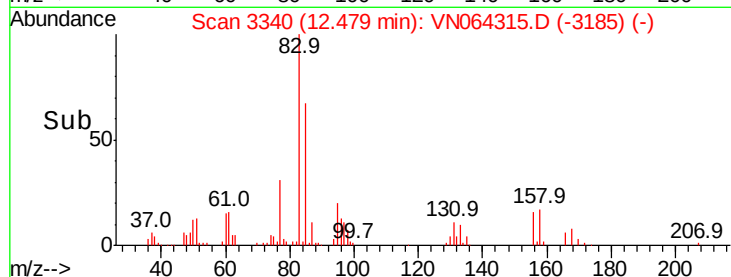
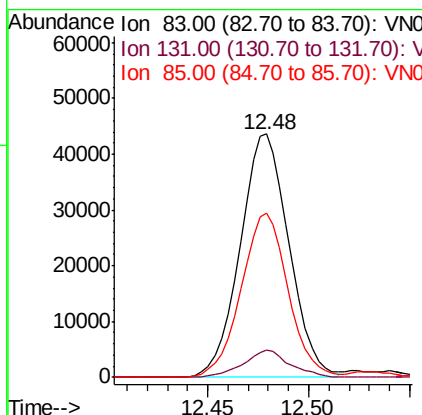
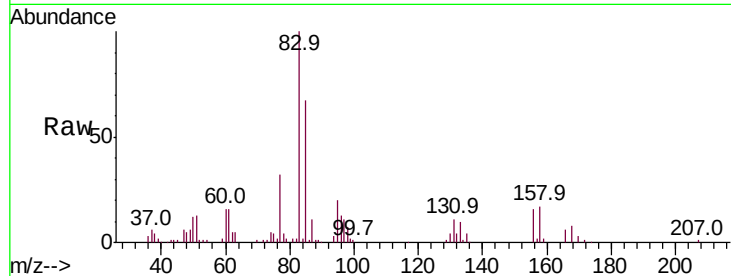




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.343 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

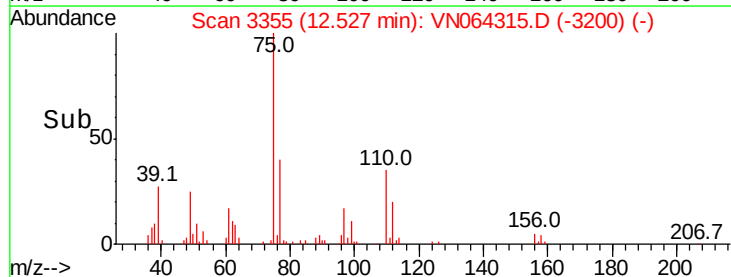
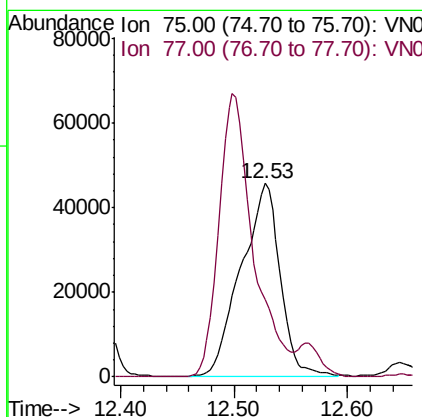
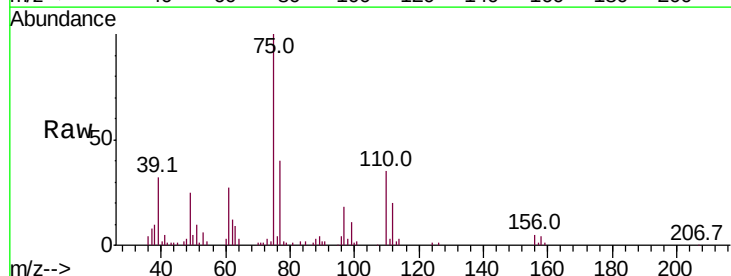
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

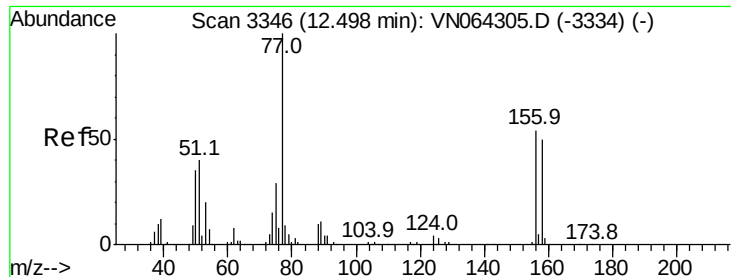
Tot Ion: 83 Resp: 73738
 Ion Ratio Lower Upper
 83 100
 131 10.6 6.0 18.0
 85 65.3 32.0 96.0



#72
 1,2,3-Trichloropropane
 Concen: 25.745 ug/l
 RT: 12.53 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion: 75 Resp: 110213
 Ion Ratio Lower Upper
 75 100
 77 127.6 0.0 340.8





#73

Bromobenzene

Concen: 18.017 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

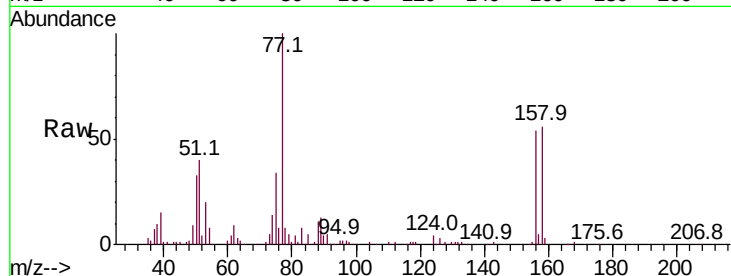
Tot Ion:156 Resp: 62319

Ion Ratio Lower Upper

156 100

77 225.7 0.0 449.2

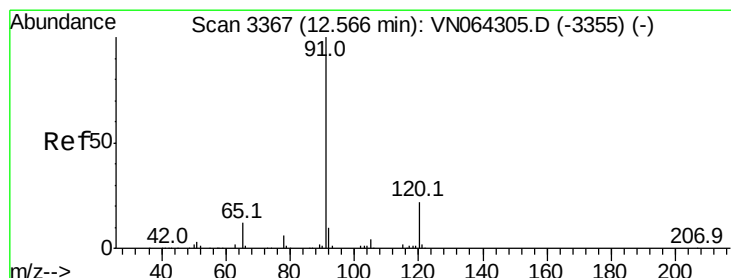
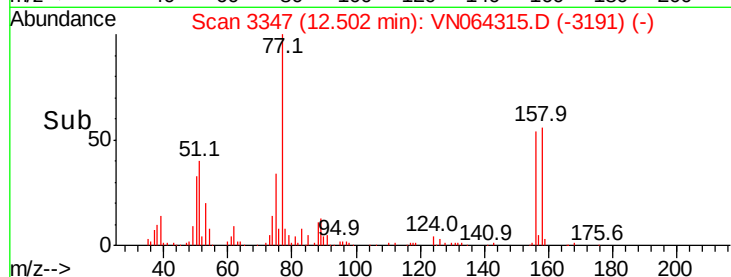
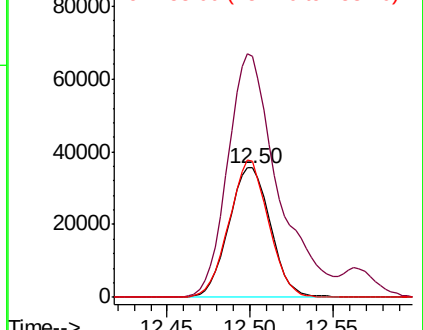
158 100.5 0.0 191.0



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 17.808 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN064315.D

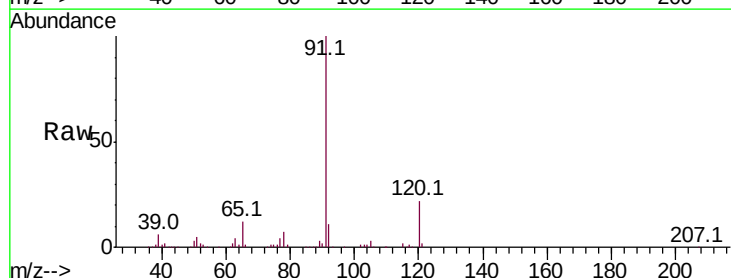
Acq: 26 Oct 2020 21:26

Tgt Ion: 91 Resp: 286380

Ion Ratio Lower Upper

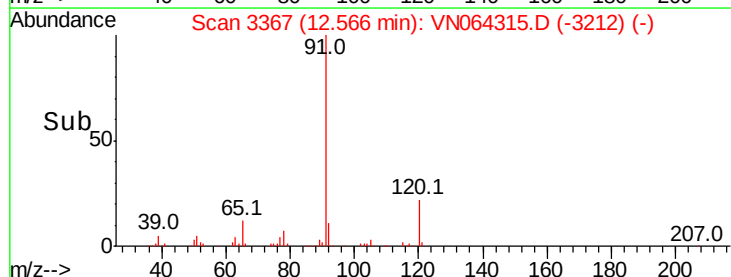
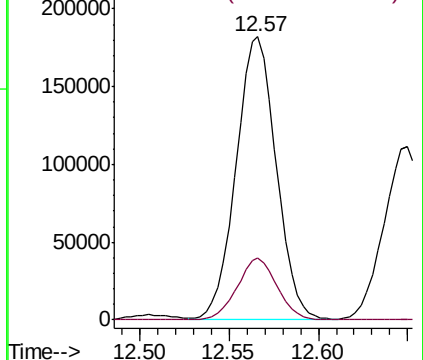
91 100

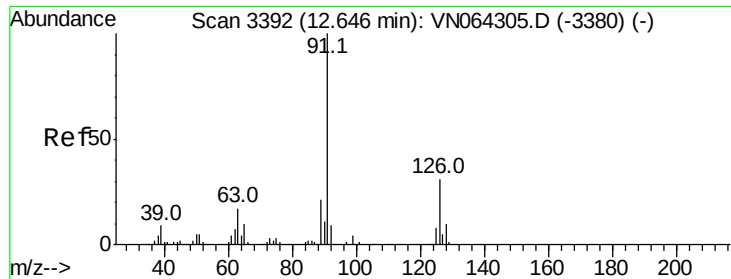
120 21.7 0.0 44.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.364 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

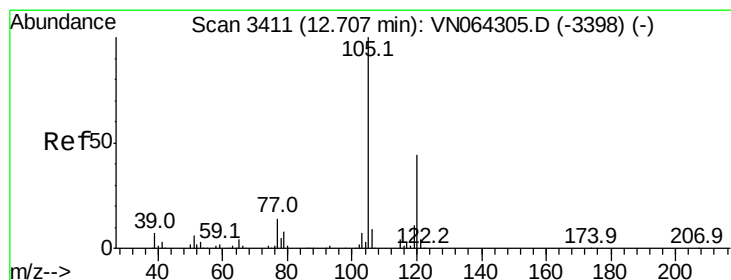
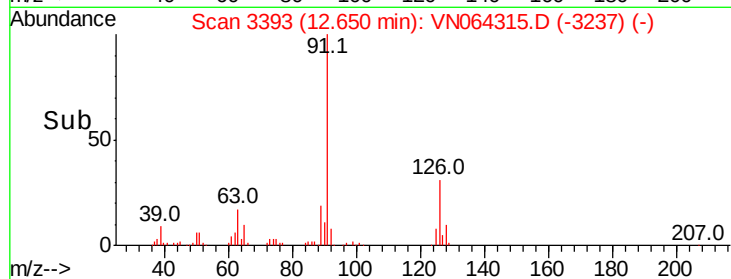
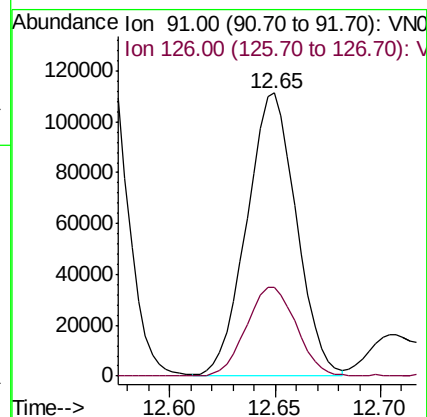
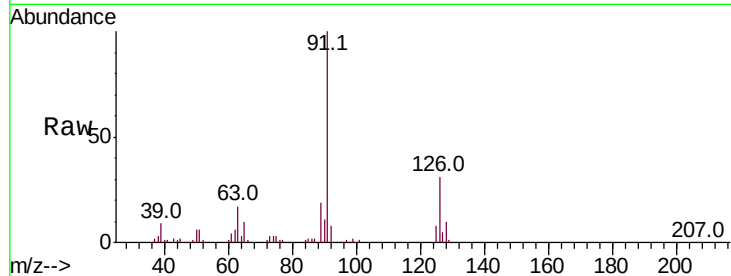
VSTDCCC020EC

Tot Ion: 91 Resp: 182626

Ion Ratio Lower Upper

91 100

126 31.7 0.0 62.0



#76

1,3,5-Trimethylbenzene

Concen: 18.261 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064315.D

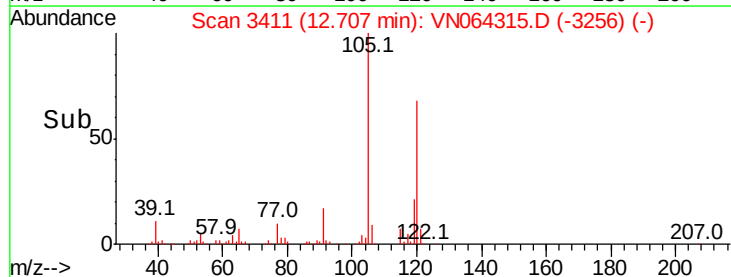
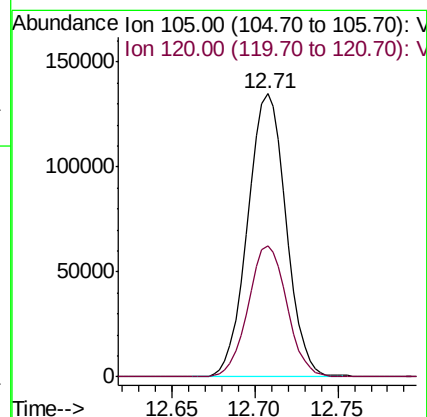
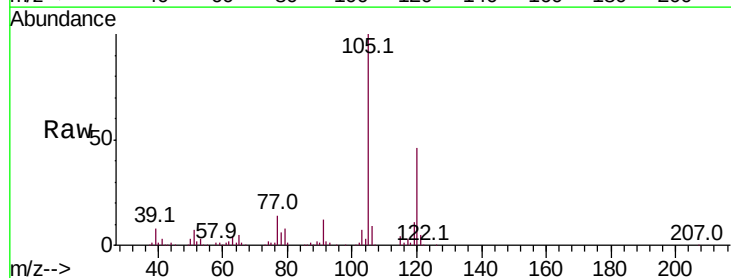
Acq: 26 Oct 2020 21:26

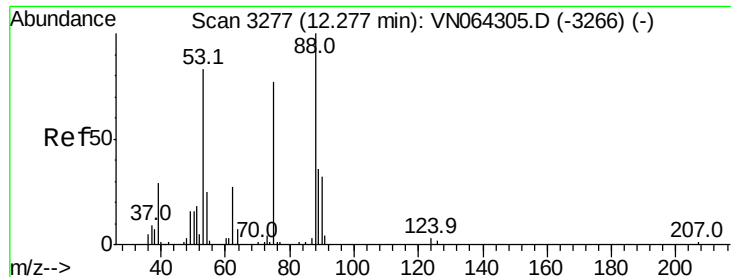
Tgt Ion: 105 Resp: 217892

Ion Ratio Lower Upper

105 100

120 46.8 0.0 89.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.896 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

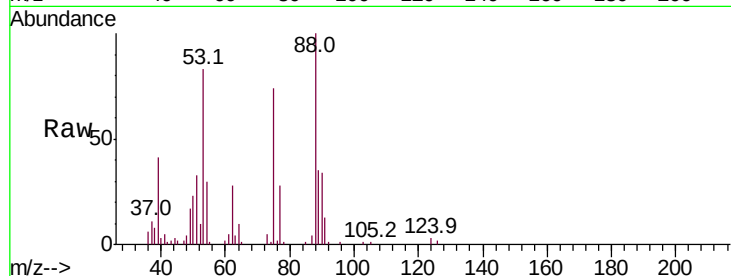
MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 75 Resp: 27008

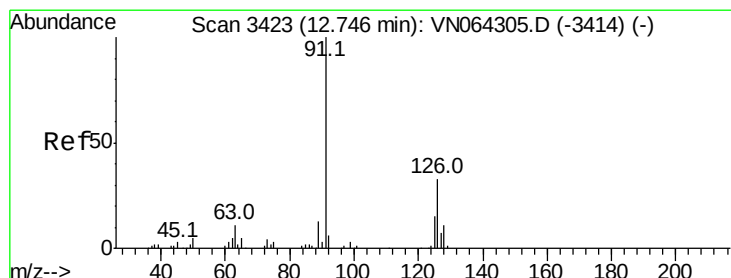
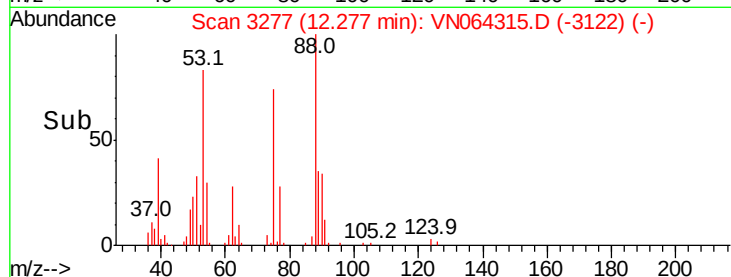
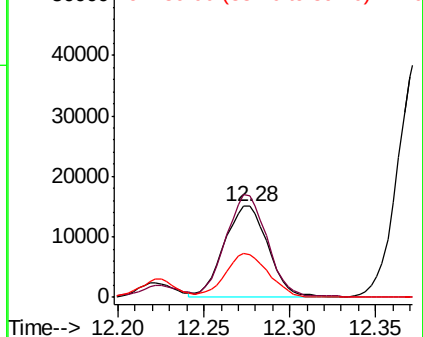
Ion	Ratio	Lower	Upper
75	100		
53	110.4	51.0	153.0
89	47.4	24.8	74.3



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.047 ug/l

RT: 12.75 min Scan# 3423

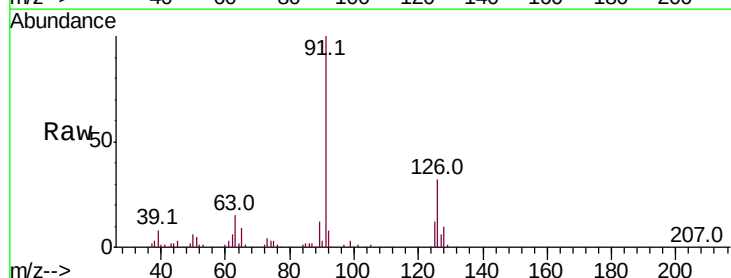
Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

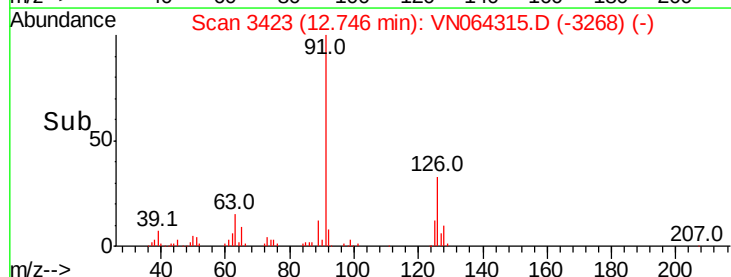
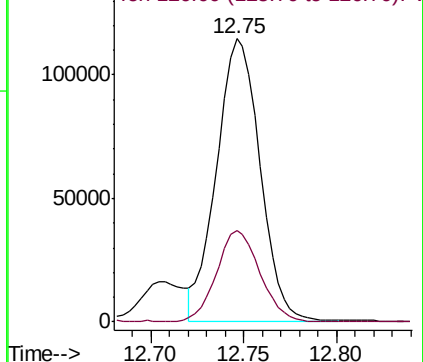
Tgt Ion: 91 Resp: 187812

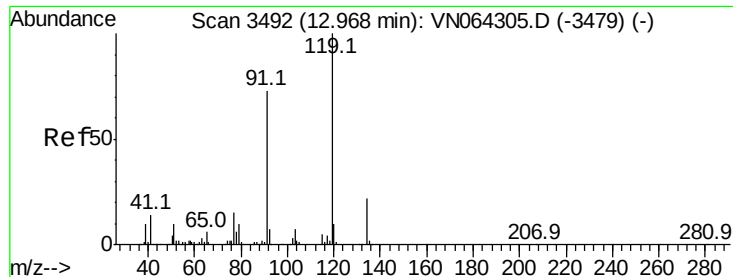
Ion	Ratio	Lower	Upper
91	100		
126	32.0	0.0	62.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

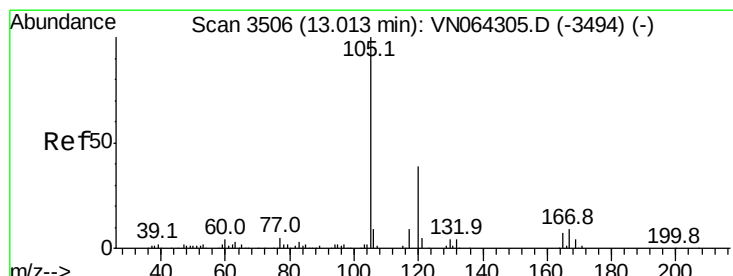
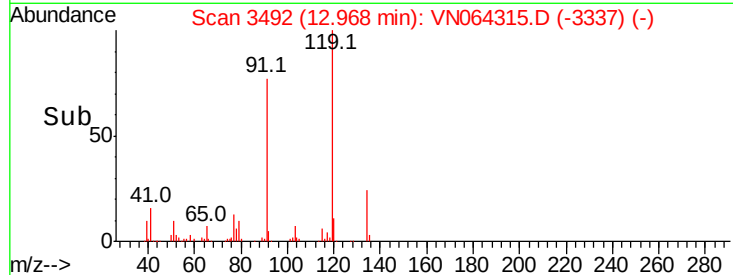
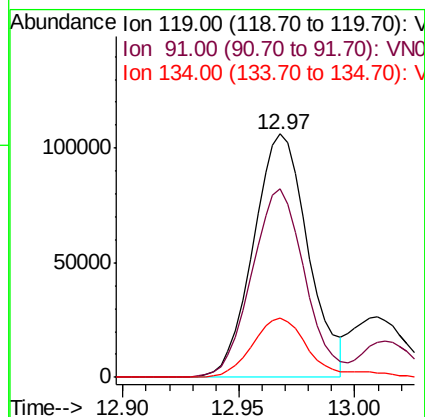
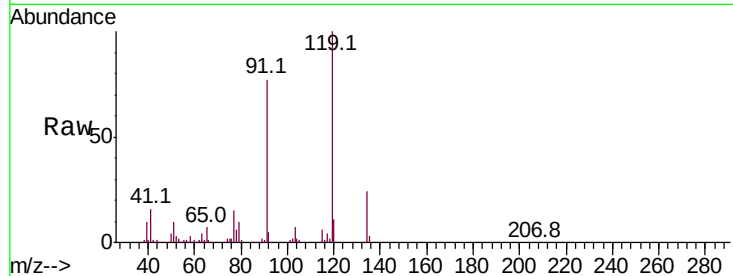




#79
tert-butylbenzene
Concen: 17.746 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

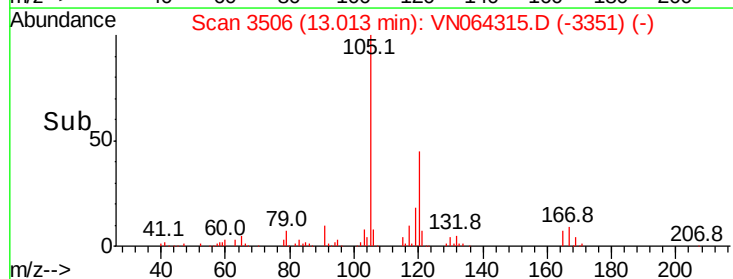
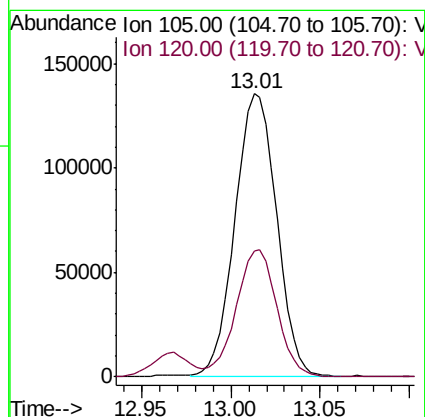
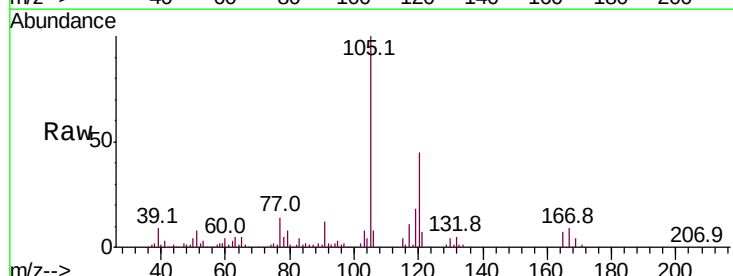
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

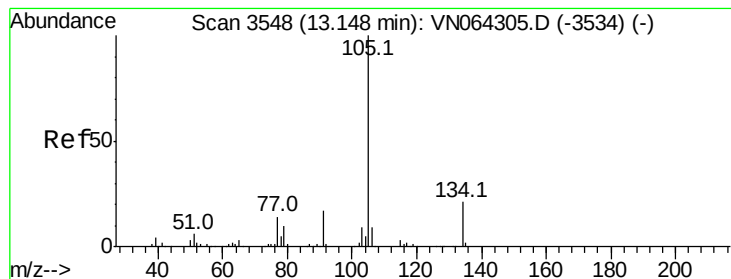
Tot Ion	Ratio	Lower	Upper
119	100		
91	75.3	0.0	146.8
134	23.9	0.0	48.6



#80
1,2,4-Trimethylbenzene
Concen: 18.297 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064315.D
Acq: 26 Oct 2020 21:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	0.0	87.0





#81

sec-Butylbenzene

Concen: 17.795 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

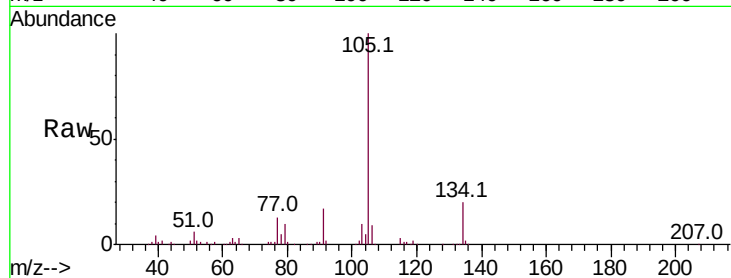
VSTDCCC020EC

Tot Ion:105 Resp: 227118

Ion Ratio Lower Upper

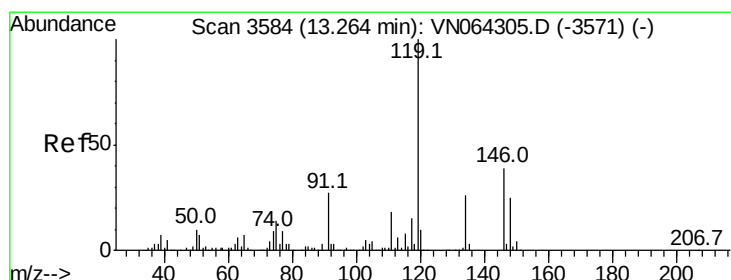
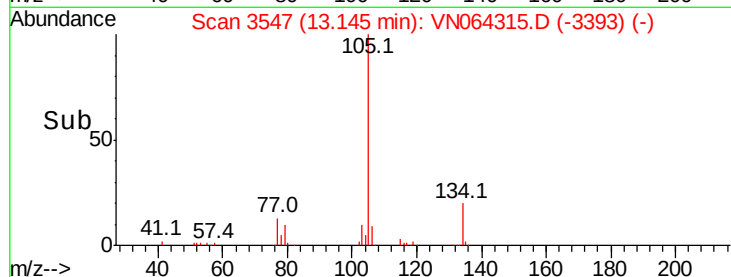
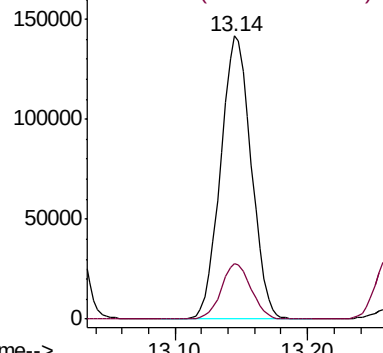
105 100

134 19.2 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#82

p-Isopropyltoluene

Concen: 17.317 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

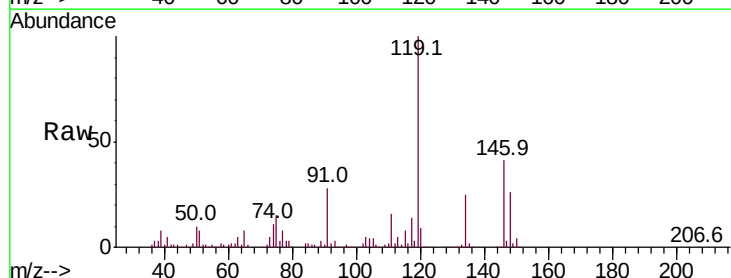
Tgt Ion:119 Resp: 202449

Ion Ratio Lower Upper

119 100

134 25.5 0.0 52.2

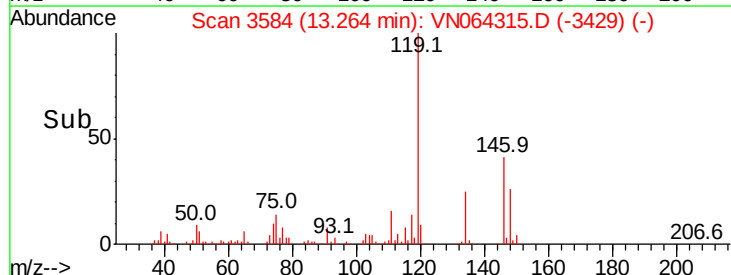
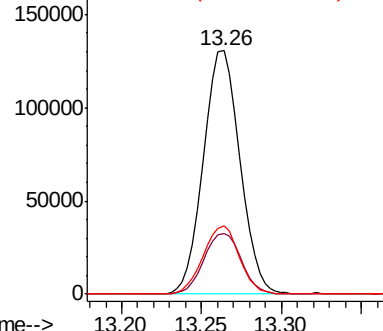
91 27.9 0.0 56.0

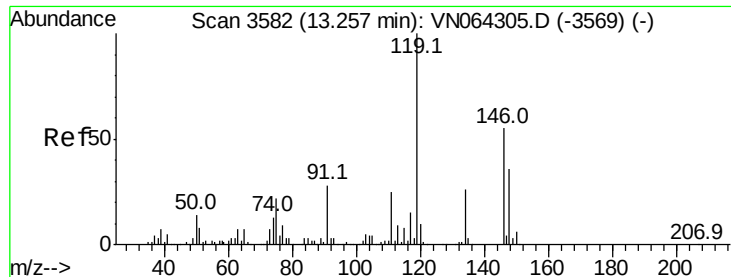


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#83

1,3-Dichlorobenzene

Concen: 18.008 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

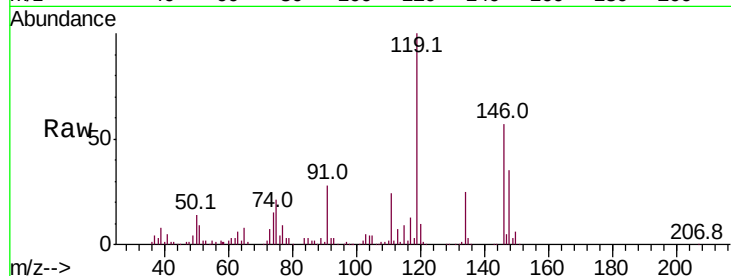
Tot Ion:146 Resp: 108191

Ion Ratio Lower Upper

146 100

111 42.6 22.5 67.5

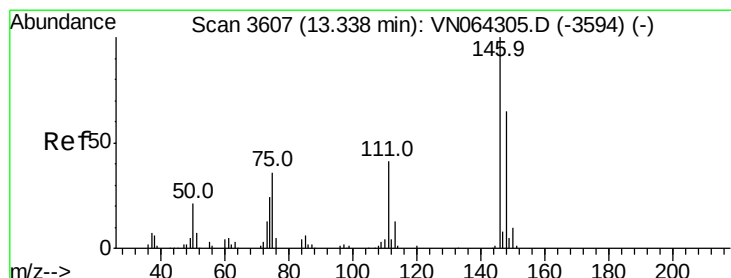
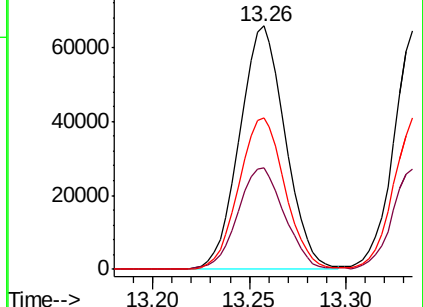
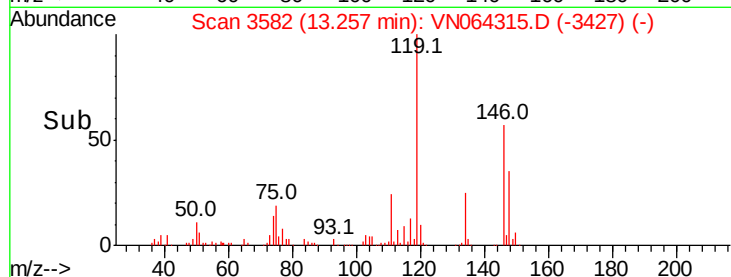
148 62.8 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 18.039 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

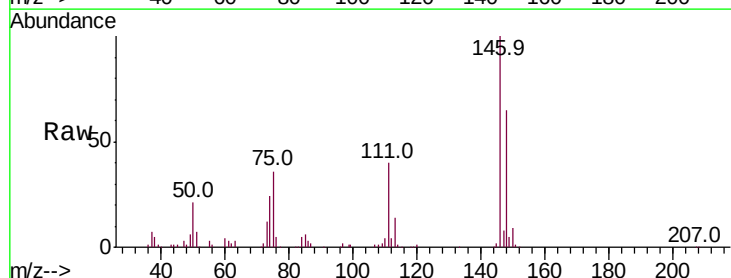
Tgt Ion:146 Resp: 108838

Ion Ratio Lower Upper

146 100

111 41.0 21.6 64.8

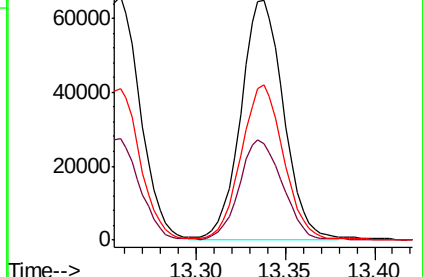
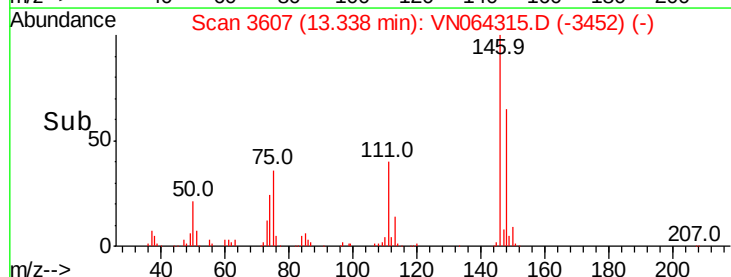
148 64.2 32.4 97.0

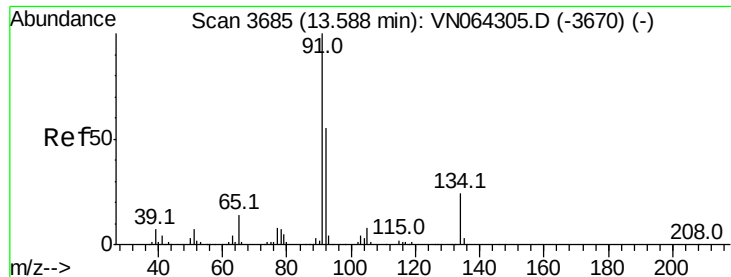


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#85

n-Butylbenzene

Concen: 17.355 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

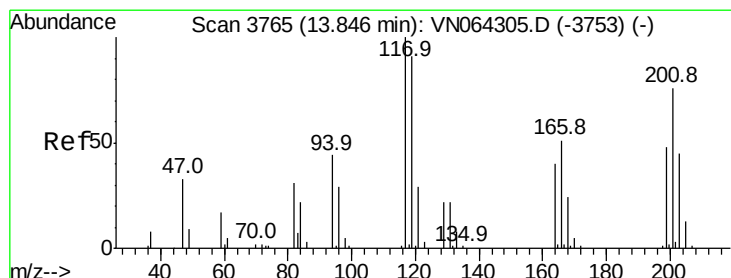
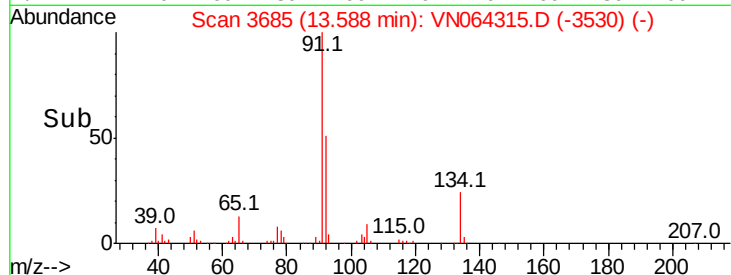
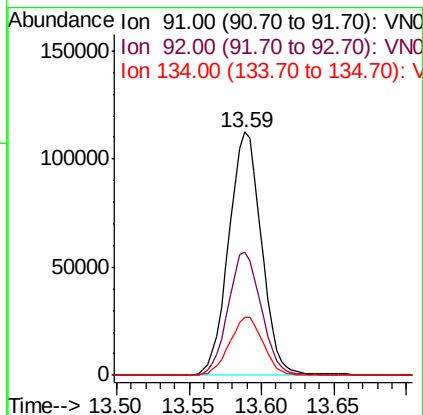
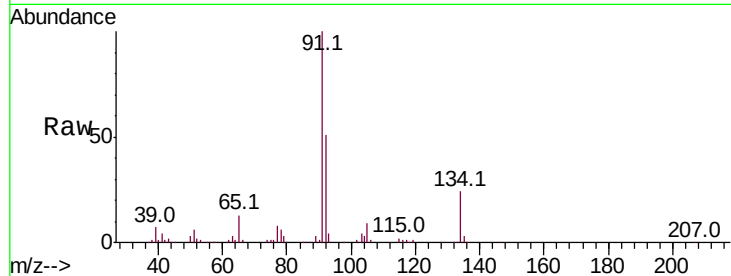
Tot Ion: 91 Resp: 176918

Ion Ratio Lower Upper

91 100

92 51.0 0.0 106.0

134 24.3 0.0 46.4



#86

Hexachloroethane

Concen: 17.621 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN064315.D

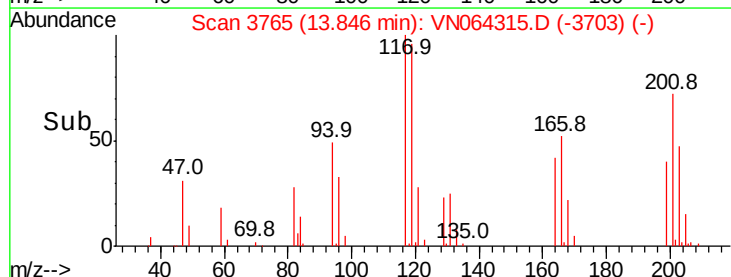
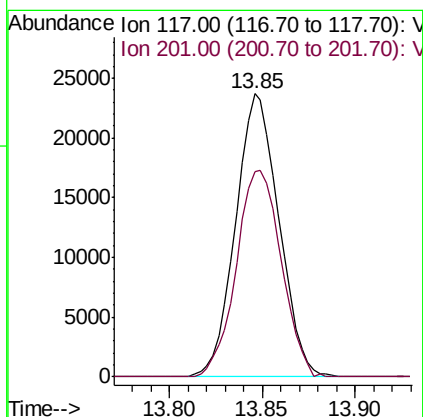
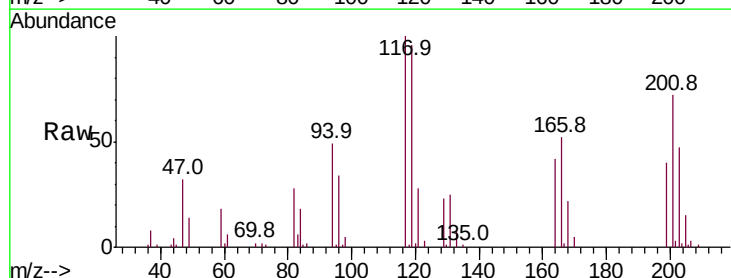
Acq: 26 Oct 2020 21:26

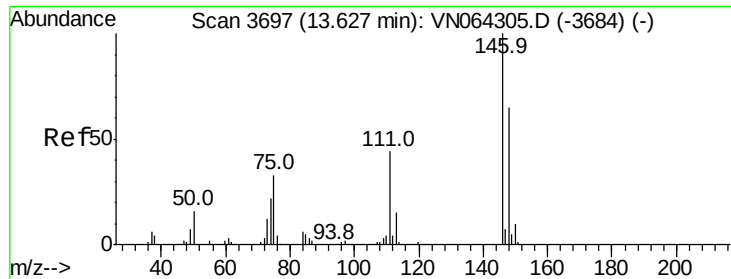
Tgt Ion: 117 Resp: 38416

Ion Ratio Lower Upper

117 100

201 75.6 39.6 118.7

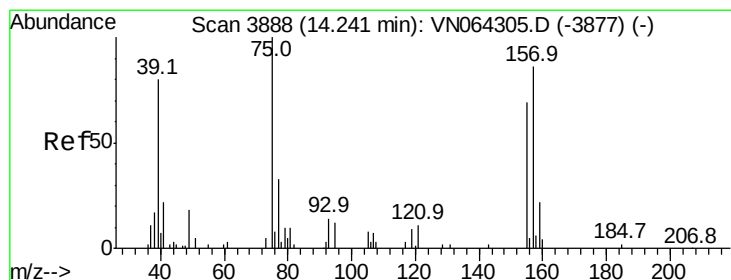
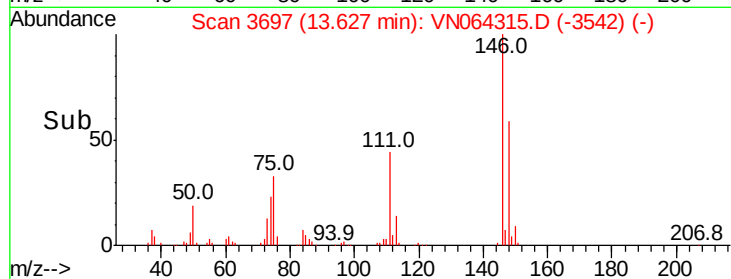
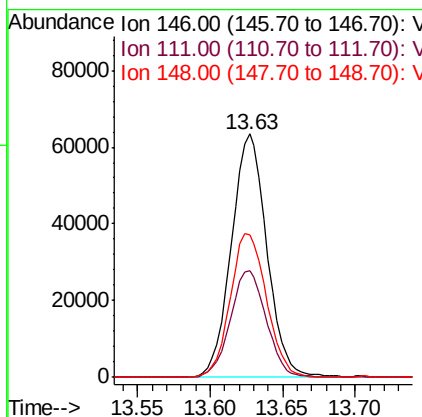
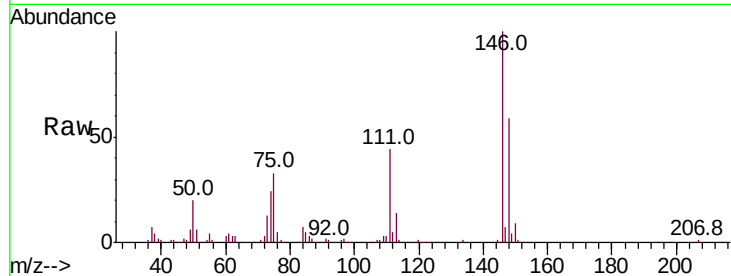




#87
 1,2-Dichlorobenzene
 Concen: 18.229 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

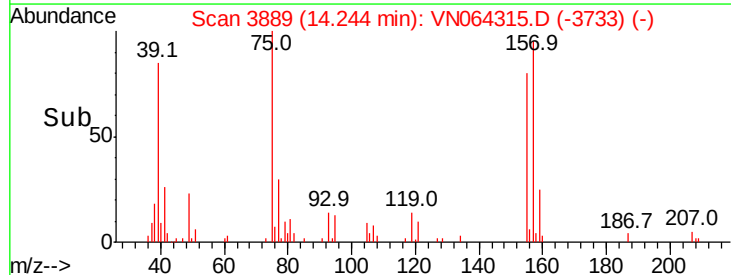
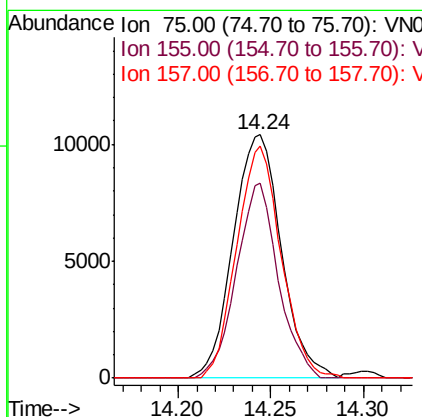
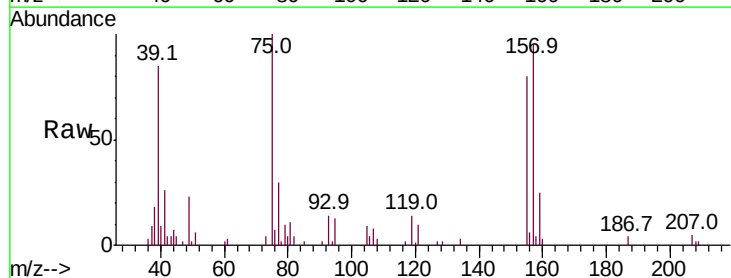
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

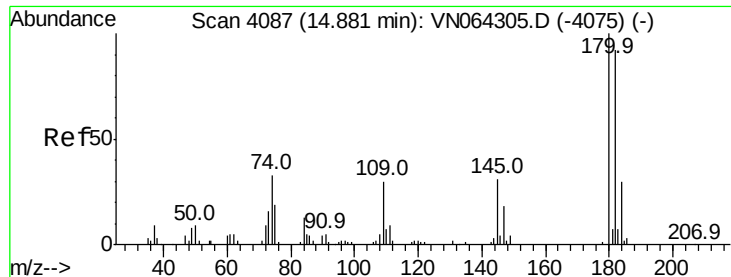
Tot Ion:146 Resp: 107845
 Ion Ratio Lower Upper
 146 100
 111 44.2 22.3 66.8
 148 60.1 31.6 95.0



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.478 ug/l
 RT: 14.24 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion: 75 Resp: 18776
 Ion Ratio Lower Upper
 75 100
 155 69.7 55.8 83.8
 157 87.7 72.1 108.1

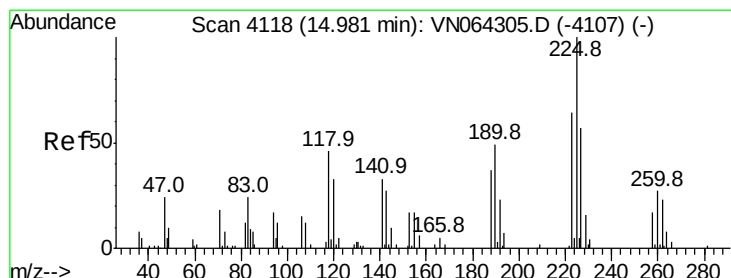
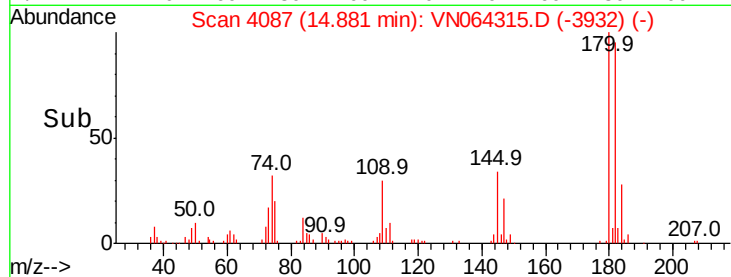
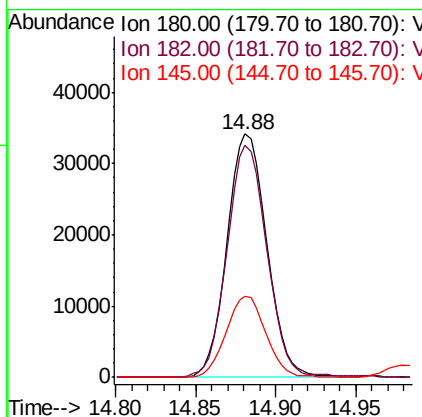
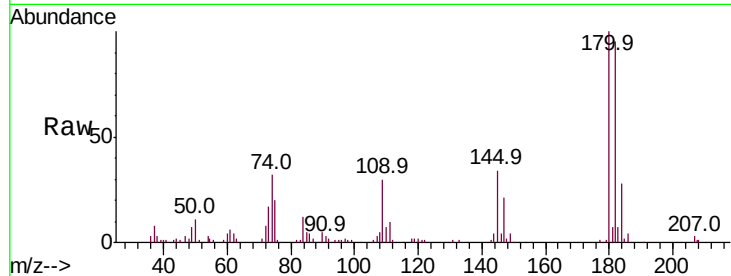




#89
 1,2,4-Trichlorobenzene
 Concen: 17.233 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

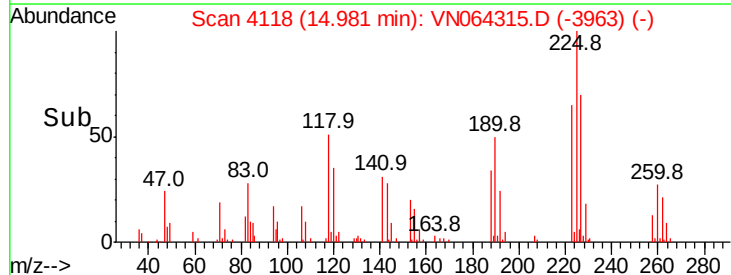
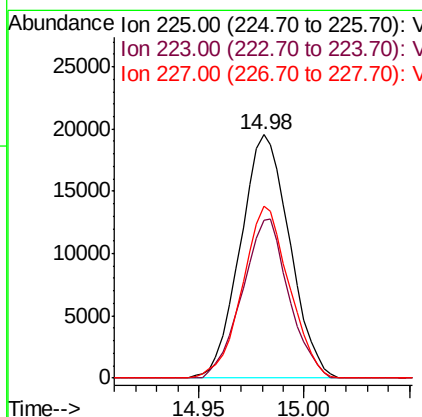
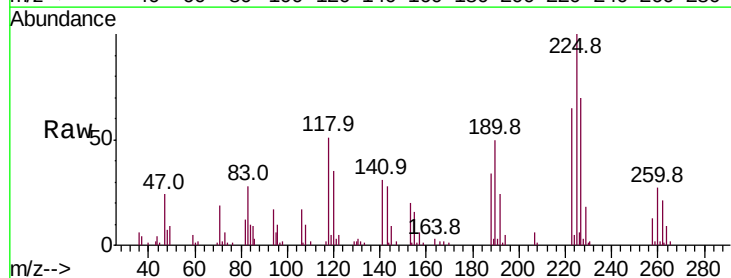
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

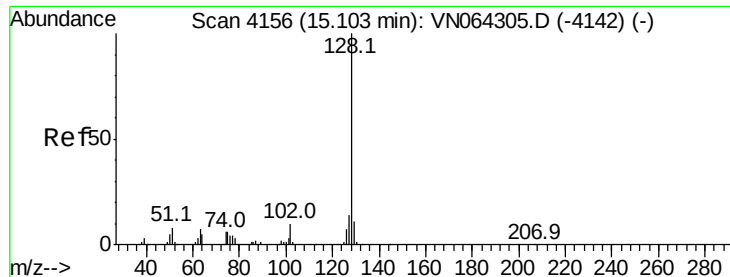
Tot Ion:180 Resp: 57765
 Ion Ratio Lower Upper
 180 100
 182 95.0 76.6 114.8
 145 32.9 25.4 38.0



#90
 Hexachlorobutadiene
 Concen: 17.610 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064315.D
 Acq: 26 Oct 2020 21:26

Tgt Ion:225 Resp: 31772
 Ion Ratio Lower Upper
 225 100
 223 61.8 0.0 122.0
 227 67.0 0.0 118.0





#91

Naphthalene

Concen: 18.006 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

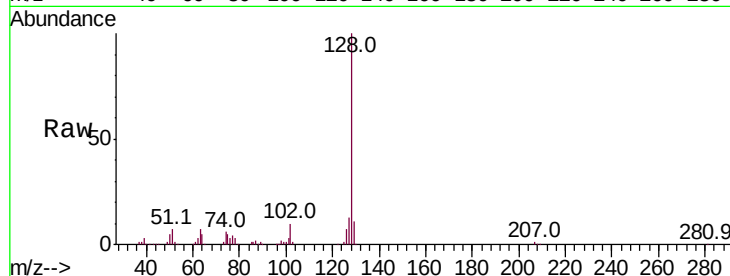
Tot Ion:128 Resp: 182204

Ion Ratio Lower Upper

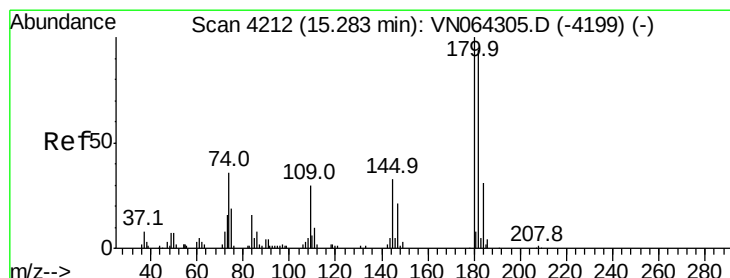
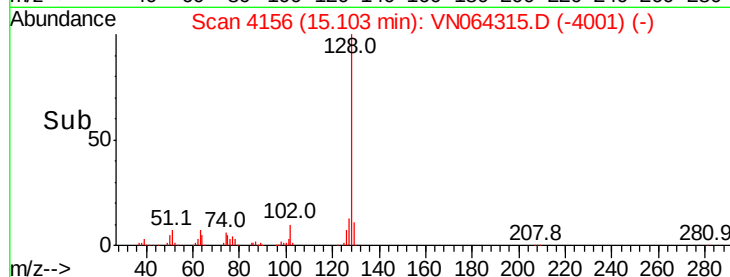
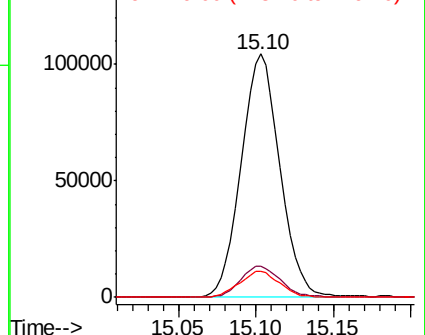
128 100

127 13.2 10.8 16.2

129 11.0 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.359 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064315.D

Acq: 26 Oct 2020 21:26

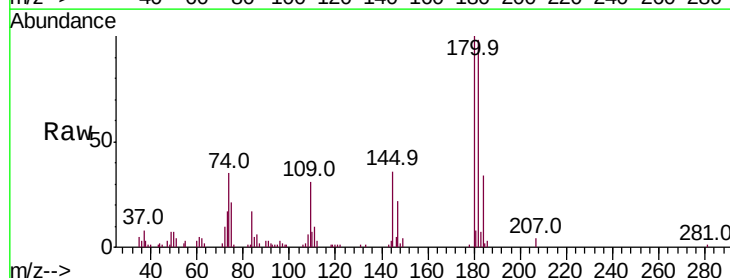
Tgt Ion:180 Resp: 56208

Ion Ratio Lower Upper

180 100

182 97.8 0.0 190.0

145 34.3 0.0 67.8



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

