

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064198.D
 Acq On : 20 Oct 2020 16:19
 Operator : JC/MD
 Sample : L4214-08 5.0PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 05:40:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N102020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 20 11:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.15	128	51334	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	289538	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	252109	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	131331	31.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	104.17%
60) 4-Bromofluorobenzene	12.37	95	134475	29.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.20%
63) Toluene-d8	10.06	98	342282	29.99	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	13125	3.727 ug/l	91
3) Chloromethane	2.04	50	15586	4.318 ug/l	99
4) Vinyl Chloride	2.16	62	15340	4.320 ug/l	90
5) Bromomethane	2.53	94	10658	5.017 ug/l	94
6) Chloroethane	2.67	64	9762	4.720 ug/l	96
7) Trichlorofluoromethane	2.99	101	27536	4.831 ug/l	98
8) Diethyl Ether	3.37	74	9351	4.832 ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.73	101	13303	4.422 ug/l	92
10) 1,1-Dichloroethene	3.70	96	13564	4.631 ug/l	97
11) Methyl Iodide	3.91	142	18211	4.313 ug/l	95
12) Methyl Acetate	4.28	43	15808	5.120 ug/l	100
13) Acrolein	3.57	56	9060	26.838 ug/l #	31
14) Acrylonitrile	4.93	53	28787	23.138 ug/l	97
15) Acetone	3.78	58	5285	15.734 ug/l	96
16) Carbon Disulfide	4.01	76	37796	4.512 ug/l	97
17) Allyl chloride	4.28	41	24667	4.529 ug/l	92
18) Methylene Chloride	4.51	84	16673	4.977 ug/l	94
19) trans-1,2-Dichloroethene	4.99	96	14696	4.651 ug/l	84
20) Diisopropyl ether	5.90	45	48078	4.777 ug/l #	93
21) 1,1-Dichloroethane	5.80	63	30005	4.883 ug/l	98
22) cis-1,2-Dichloroethene	6.78	96	17872	4.838 ug/l	95
23) tert-Butyl Alcohol	4.71	59	6014	10.451 ug/l #	100
24) Methyl tert-Butyl Ether	4.99	73	47550	4.913 ug/l #	68
25) Chloroform	7.32	83	32890	5.151 ug/l	100
26) Cyclohexane	7.61	56	22861	4.692 ug/l #	87
29) 1,1-Dichloropropene	7.75	75	23502	4.888 ug/l	59
30) 2-Butanone	6.78	43	51582	26.014 ug/l #	90
31) 2,2-Dichloropropane	6.78	77	28550	4.677 ug/l #	64
32) 1,1,1-Trichloroethane	7.52	97	15284	2.495 ug/l #	22
33) Carbon Tetrachloride	7.74	117	26955	4.826 ug/l	93
34) Benzene	8.00	78	64532	4.819 ug/l #	70
35) Methacrylonitrile	7.12	41	6708	3.084 ug/l	90
36) 1,2-Dichloroethane	8.08	62	28794	5.317 ug/l	98
37) Trichloroethene	8.80	130	17904	4.856 ug/l	97
38) Methylcyclohexane	9.05	83	20744	4.511 ug/l	94
39) 1,2-Dichloropropane	9.08	63	17203	4.814 ug/l	91
40) Dibromomethane	9.18	93	11717	4.713 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.37	83	26810	4.983	ug/l	98
42) Vinyl Acetate	5.84	43	225803	23.987	ug/l	100
44) Isopropyl Acetate	8.13	43	45695	5.496	ug/l #	86
45) 1,4-Dioxane	9.16	88	4918	101.139	ug/l #	85
46) Methyl methacrylate	9.17	41	19644	4.980	ug/l	98
47) n-amyl Acetate	12.04	43	31366	4.253	ug/l	99
48) t-1,3-Dichloropropene	10.35	75	29826	4.915	ug/l	99
49) cis-1,3-Dichloropropene	9.81	75	29797	4.752	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	15465	4.643	ug/l	94
51) Ethyl methacrylate	10.40	69	26549	5.041	ug/l	99
52) 1,3-Dichloropropane	10.68	76	27923	4.863	ug/l	98
53) Dibromochloromethane	10.87	129	20054	4.784	ug/l	94
54) 1,2-Dibromoethane	10.98	107	17026	4.809	ug/l	91
55) 2-Chloroethyl vinyl ether	9.66	63	63781	24.639	ug/l	99
56) Bromoform	12.10	173	13084	4.482	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	108355	25.363	ug/l	99
59) 2-Hexanone	10.72	43	78251	24.672	ug/l	98
61) Tetrachloroethene	10.60	164	17006	5.004	ug/l	90
62) Toluene	10.12	91	70068	4.861	ug/l	100
64) Chlorobenzene	11.41	112	44138	4.918	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	17421	4.954	ug/l	100
66) Ethyl Benzene	11.48	91	80605	4.864	ug/l	96
67) m/p-Xylenes	11.59	106	57890	9.394	ug/l	95
68) o-Xylene	11.92	106	27491	4.597	ug/l	94
69) Styrene	11.94	104	46126	4.559	ug/l	98
70) Isopropylbenzene	12.22	105	76920	4.870	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.48	83	21369	4.937	ug/l #	97
72) 1,2,3-Trichloropropane	12.53	75	32079	7.103	ug/l	47
73) Bromobenzene	12.50	156	17331	4.550	ug/l	90
74) n-propylbenzene	12.57	91	83917	4.655	ug/l	99
75) 2-Chlorotoluene	12.65	91	54634	4.896	ug/l	96
76) 1,3,5-Trimethylbenzene	12.70	105	63565	4.730	ug/l	98
77) t-1,4-Dichloro-2-butene	12.27	75	8546	4.840	ug/l	94
78) 4-Chlorotoluene	12.75	91	55574	4.761	ug/l	99
79) tert-butylbenzene	12.97	119	52780	4.804	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	64398	4.720	ug/l	99
81) sec-Butylbenzene	13.14	105	68206	4.771	ug/l	97
82) p-Isopropyltoluene	13.26	119	62396	4.716	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	31589	4.627	ug/l	98
84) 1,4-Dichlorobenzene	13.34	146	30771	4.502	ug/l	95
85) n-Butylbenzene	13.59	91	50756	4.321	ug/l	99
86) Hexachloroethane	13.85	117	10423	4.576	ug/l	91
87) 1,2-Dichlorobenzene	13.62	146	30835	4.631	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.24	75	5319	4.852	ug/l	90
89) 1,2,4-Trichlorobenzene	14.88	180	16474	4.121	ug/l	94
90) Hexachlorobutadiene	14.98	225	9803	4.837	ug/l	93
91) Naphthalene	15.10	128	54218	4.474	ug/l	97
92) 1,2,3-Trichlorobenzene	15.28	180	16334	4.272	ug/l	99

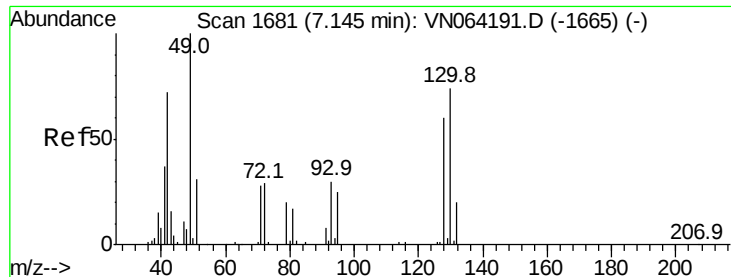
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.15 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :

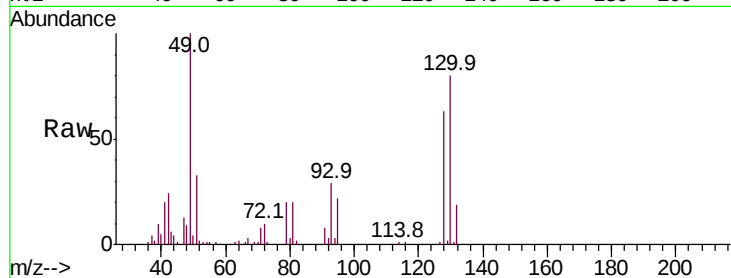
Tot Ion:128 Resp: 51334

Ion Ratio Lower Upper

128 100

49 168.6 0.0 433.3

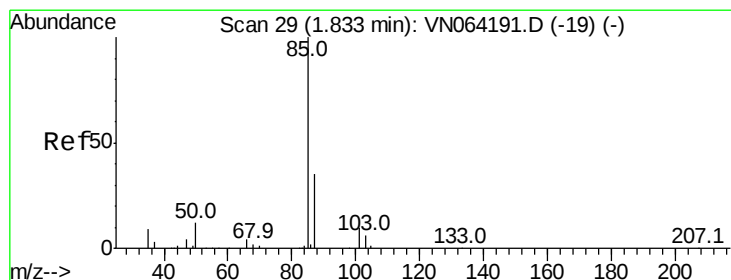
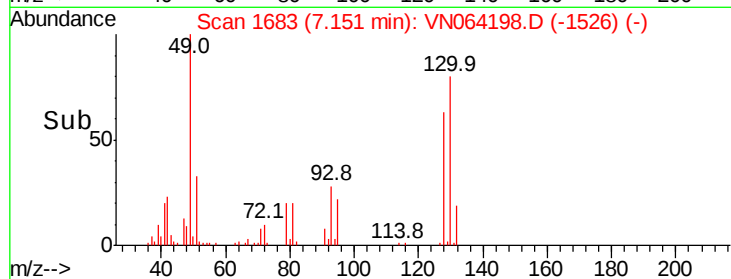
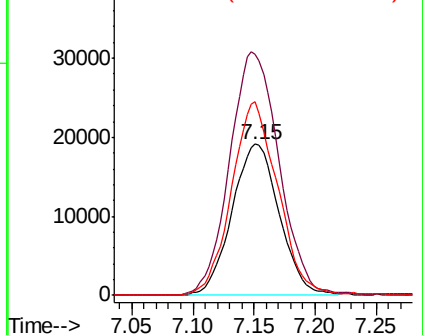
130 125.4 0.0 322.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 3.727 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064198.D

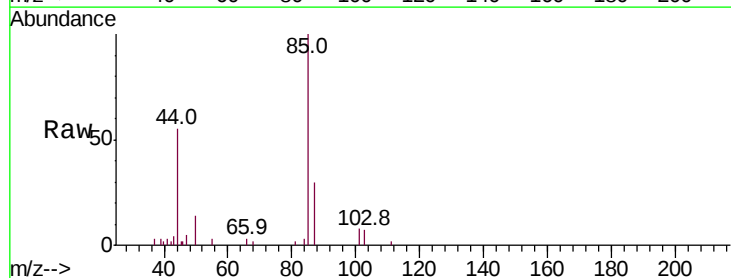
Acq: 20 Oct 2020 16:19

Tgt Ion: 85 Resp: 13125

Ion Ratio Lower Upper

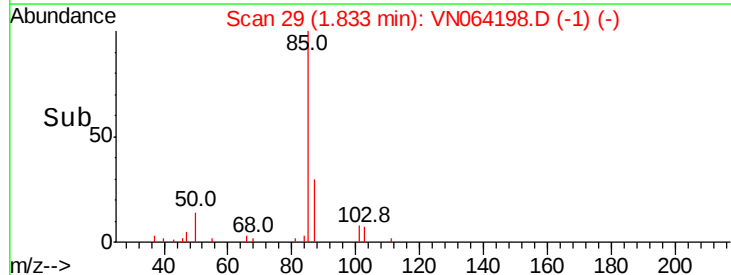
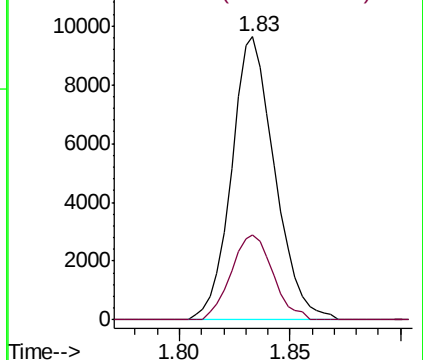
85 100

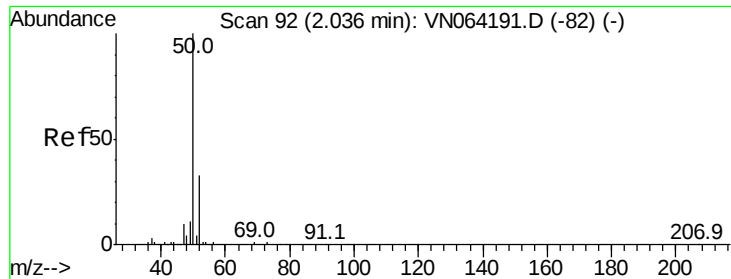
87 30.1 17.8 53.3



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 4.318 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

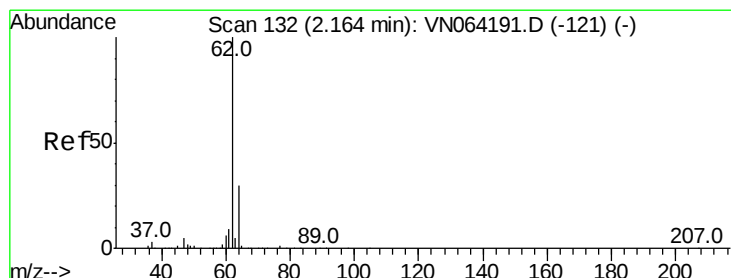
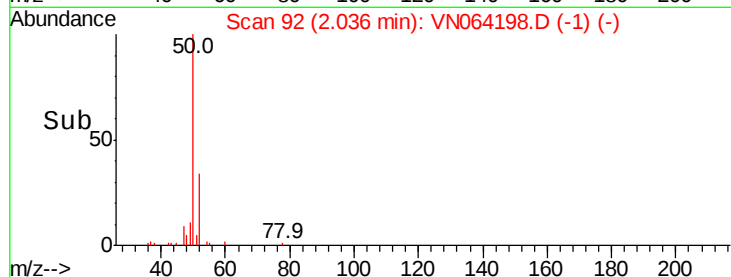
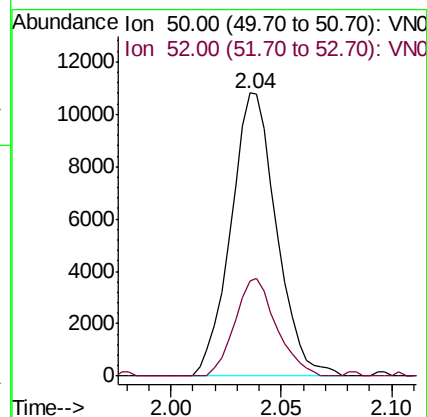
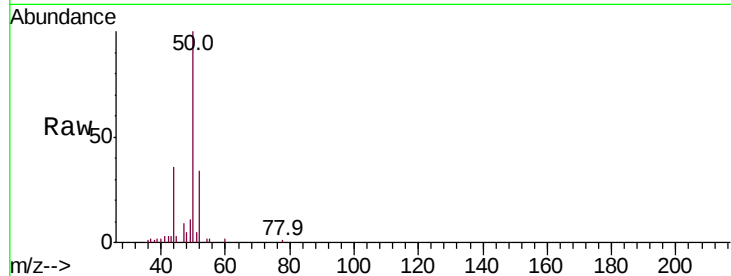
ClientSampleId :

Tot Ion: 50 Resp: 15586

Ion Ratio Lower Upper

50 100

52 33.6 26.6 40.0



#4

Vinyl Chloride

Concen: 4.320 ug/l

RT: 2.16 min Scan# 132

Delta R.T. -0.00 min

Lab File: VN064198.D

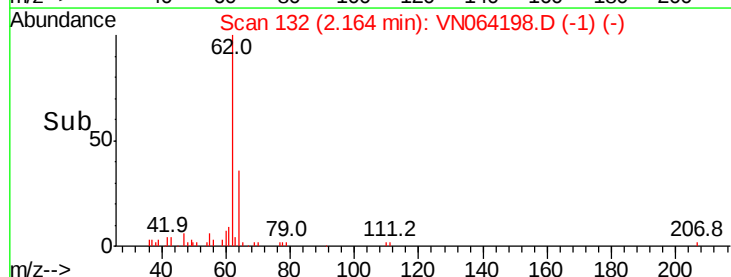
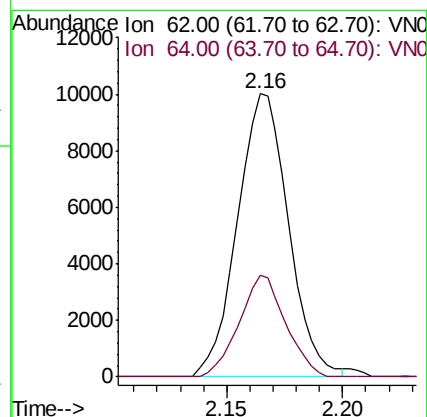
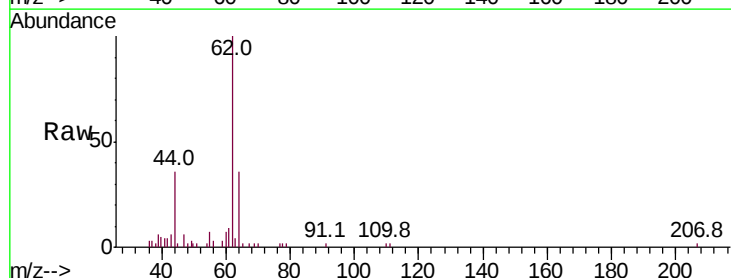
Acq: 20 Oct 2020 16:19

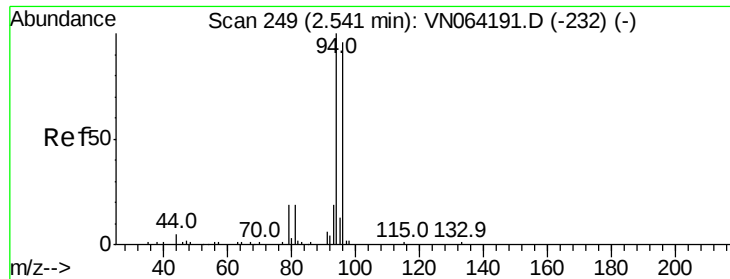
Tgt Ion: 62 Resp: 15340

Ion Ratio Lower Upper

62 100

64 35.9 24.4 36.6





#5

Bromomethane

Concen: 5.017 ug/l

RT: 2.53 min Scan# 246

Delta R.T. -0.01 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

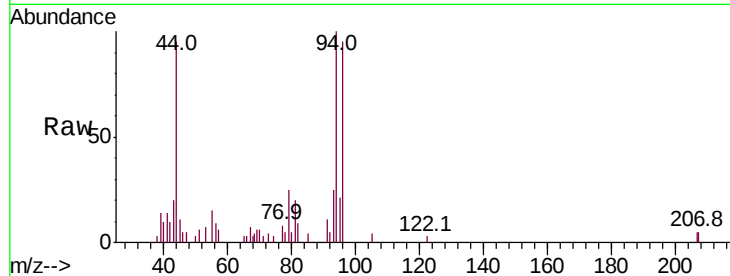
ClientSampleId :

Tot Ion: 94 Resp: 10658

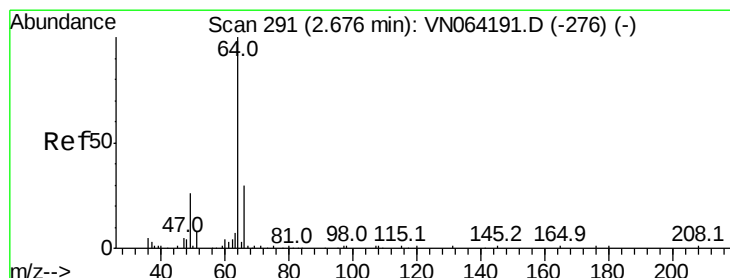
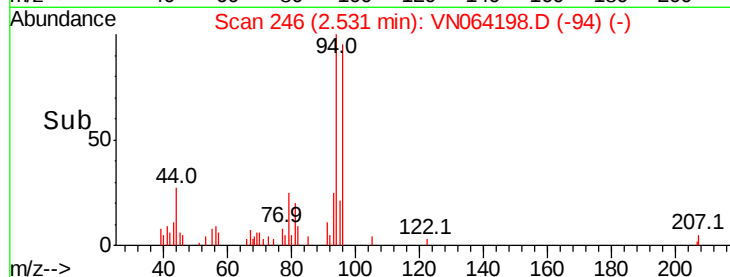
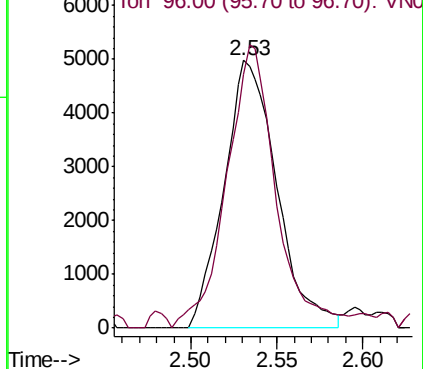
Ion Ratio Lower Upper

94 100

96 89.9 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064198.D (-232) (-)



#6

Chloroethane

Concen: 4.720 ug/l

RT: 2.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN064198.D

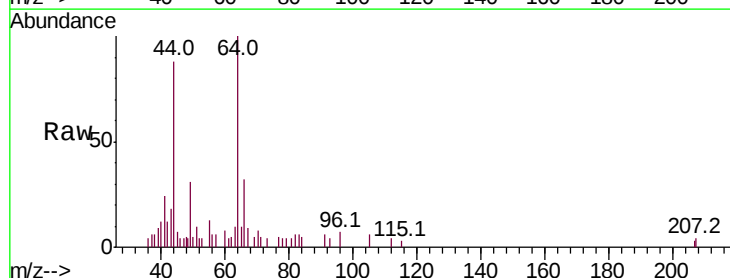
Acq: 20 Oct 2020 16:19

Tgt Ion: 64 Resp: 9762

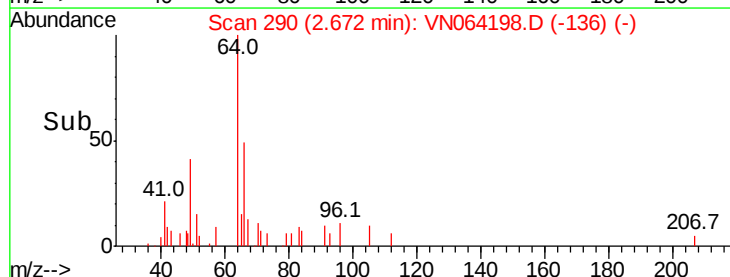
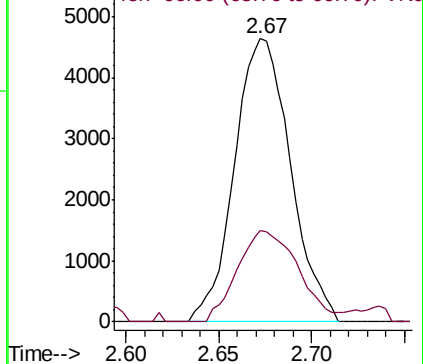
Ion Ratio Lower Upper

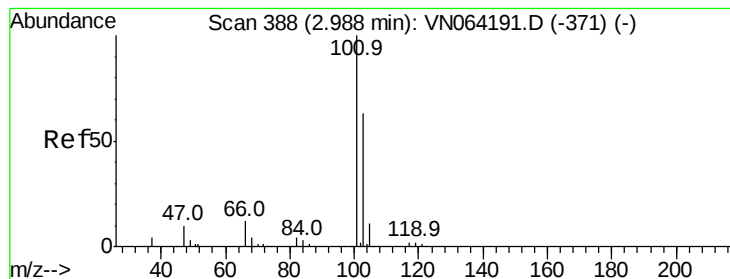
64 100

66 32.4 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064198.D (-276) (-)



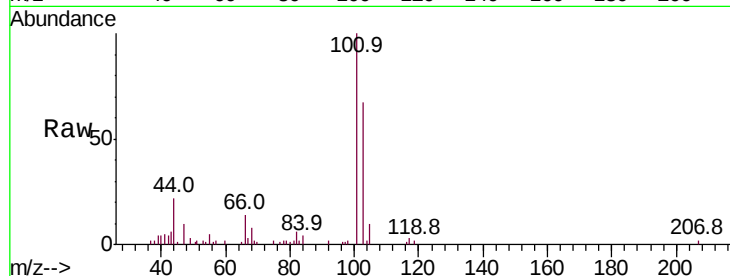


#7

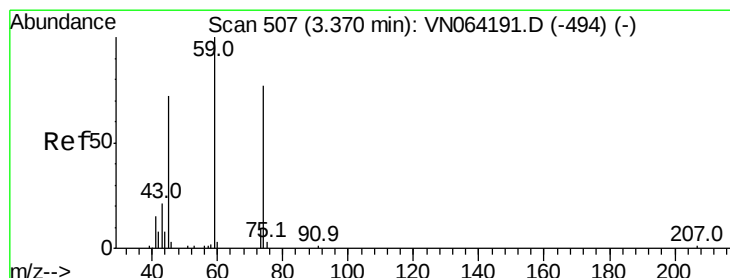
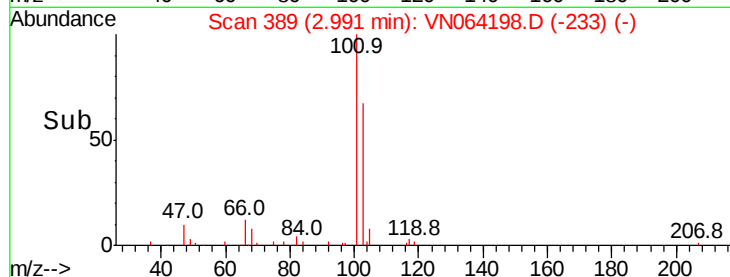
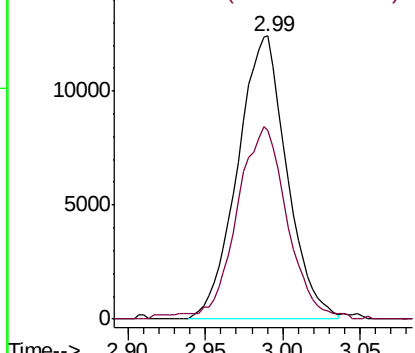
Trichlorofluoromethane
 Concen: 4.831 ug/l
 RT: 2.99 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 27536
 Ion Ratio Lower Upper
 101 100
 103 64.8 50.7 76.1



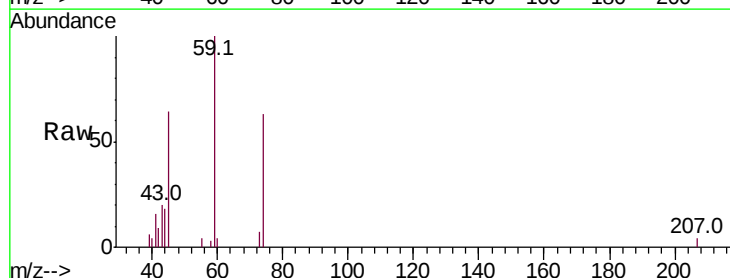
Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V



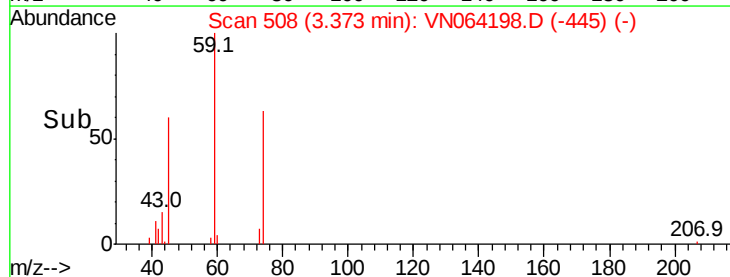
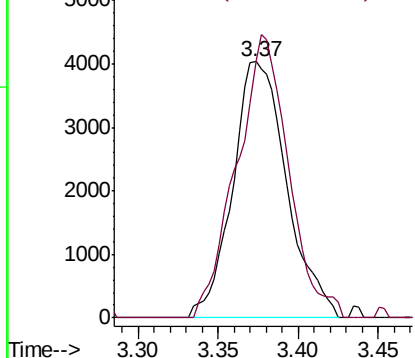
#8

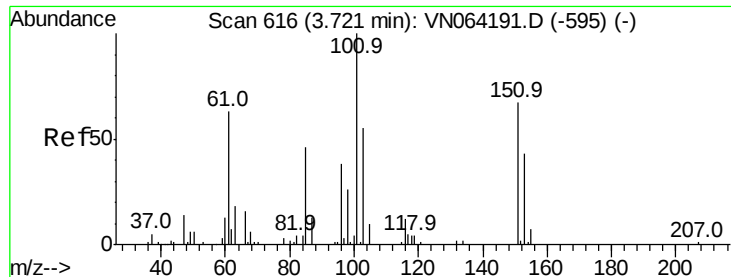
Diethyl Ether
 Concen: 4.832 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 74 Resp: 9351
 Ion Ratio Lower Upper
 74 100
 45 106.4 19.5 175.3



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.422 ug/l

RT: 3.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

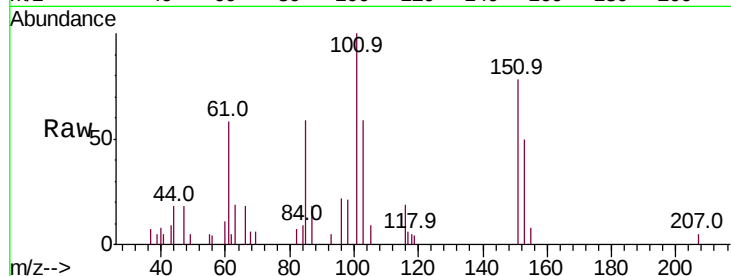
Tot Ion:101 Resp: 13303

Ion Ratio Lower Upper

101 100

85 49.7 0.0 94.0

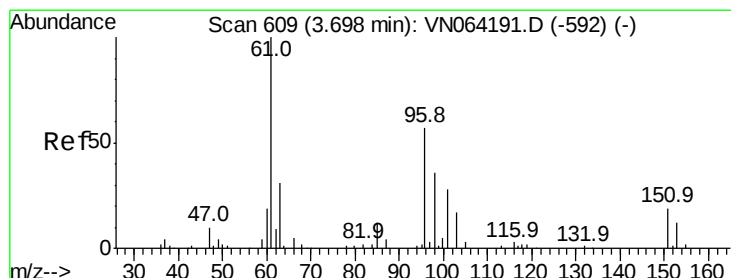
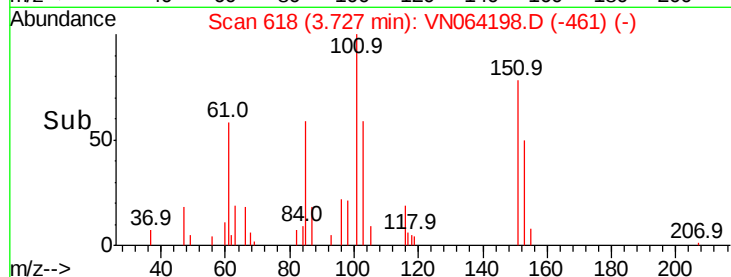
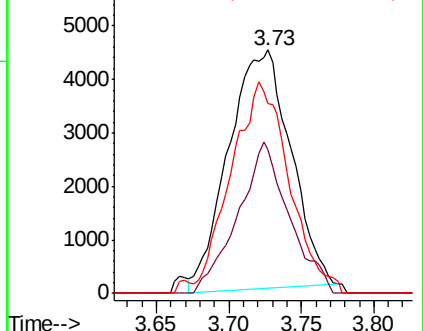
151 82.9 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 4.631 ug/l

RT: 3.70 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

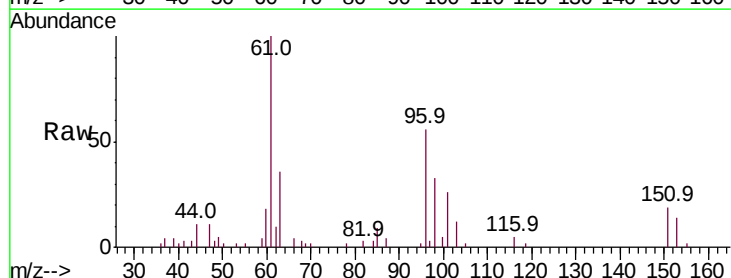
Tgt Ion: 96 Resp: 13564

Ion Ratio Lower Upper

96 100

61 178.1 141.0 211.4

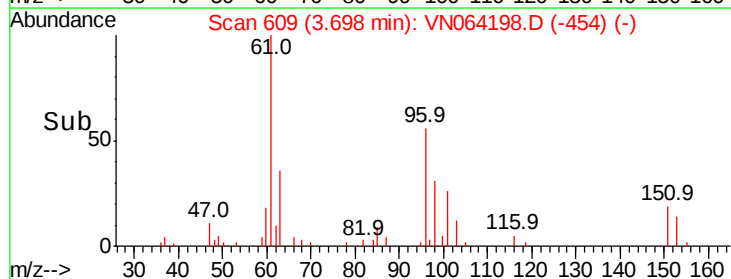
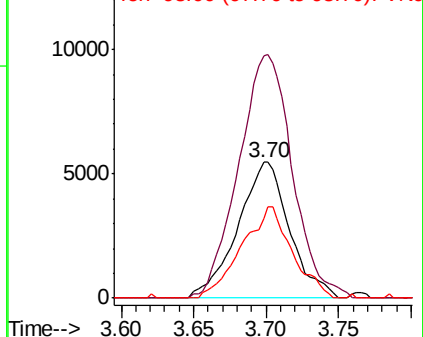
98 58.5 51.4 77.2

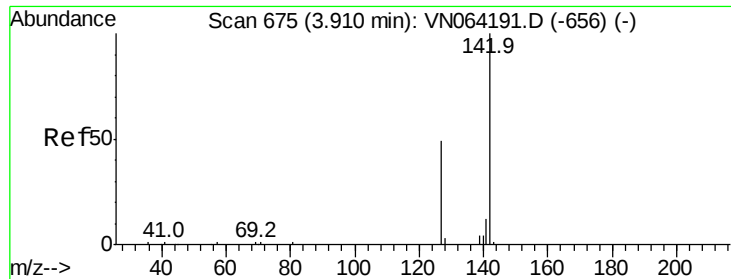


Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

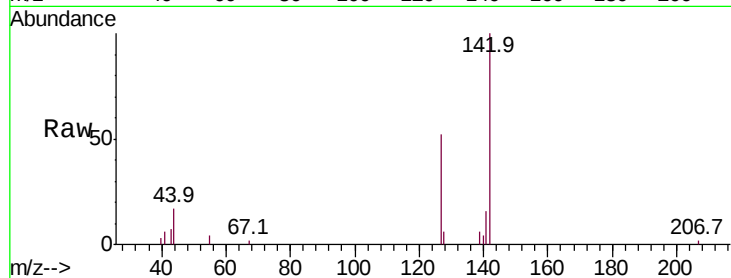




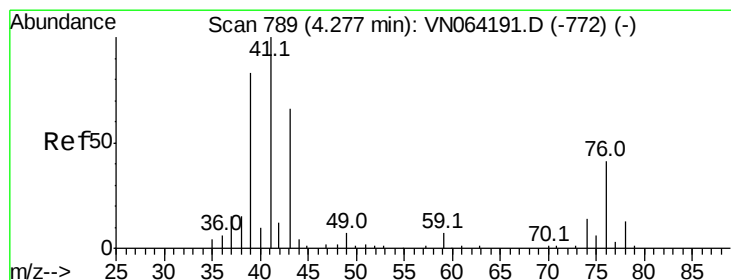
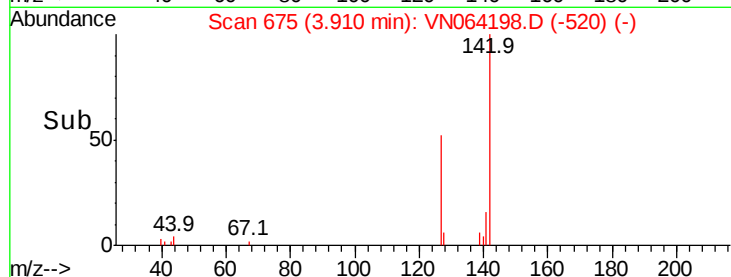
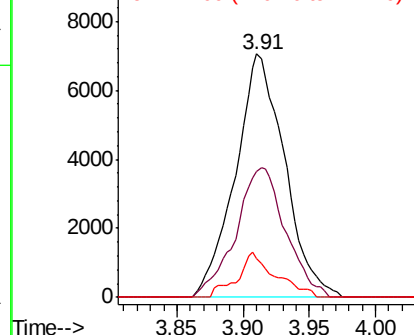
#11
Methyl Iodide
Concen: 4.313 ug/l
RT: 3.91 min Scan# 675
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 18211
Ion Ratio Lower Upper
142 100
127 51.8 24.5 73.5
141 16.0 6.0 18.1

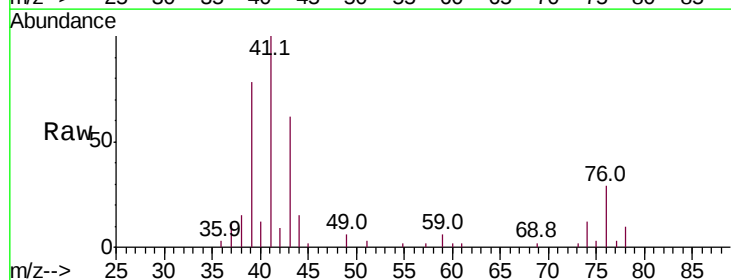


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

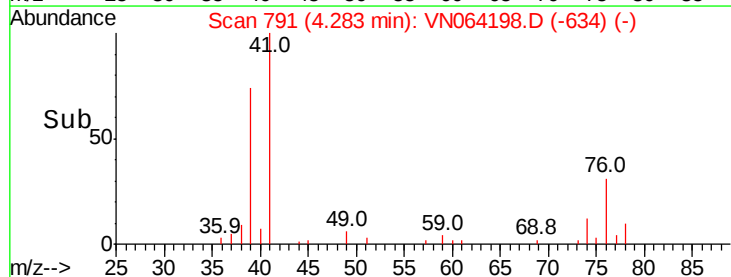
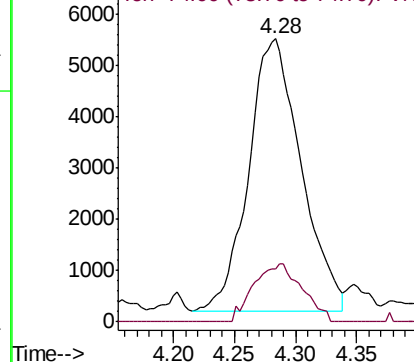


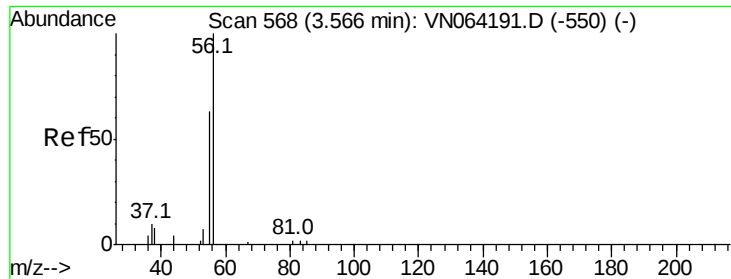
#12
Methyl Acetate
Concen: 5.120 ug/l
RT: 4.28 min Scan# 791
Delta R.T. 0.01 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 43 Resp: 15808
Ion Ratio Lower Upper
43 100
74 20.1 16.2 24.2



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





#13

Acrolein

Concen: 26.838 ug/l

RT: 3.57 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

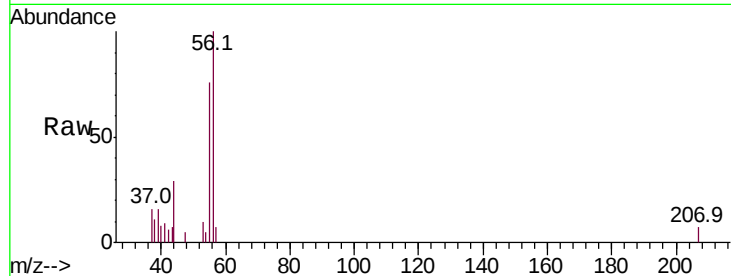
ClientSampleId :

Tot Ion: 56 Resp: 9060

Ion Ratio Lower Upper

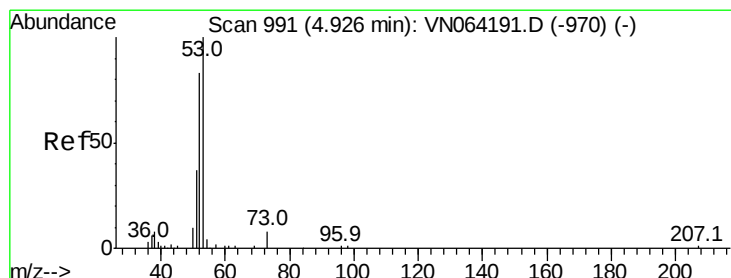
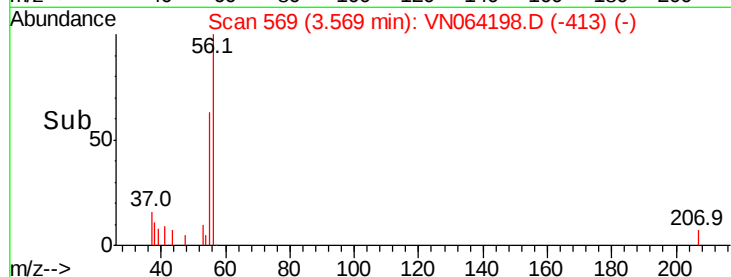
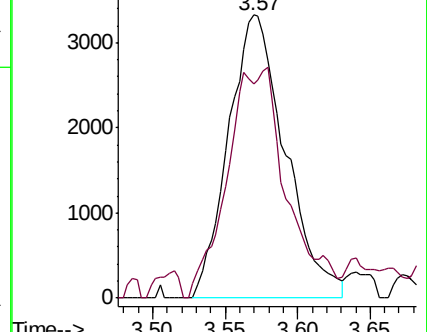
56 100

55 40.3 0.5 0.7#



Abundance Ion 56.00 (55.70 to 56.70): VN064198.D (-550) (-)

Ion 55.00 (54.70 to 55.70): VN064198.D (-550) (-)



#14

Acrylonitrile

Concen: 23.138 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

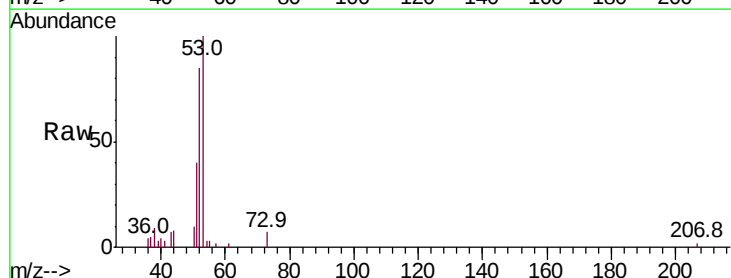
Tgt Ion: 53 Resp: 28787

Ion Ratio Lower Upper

53 100

52 85.8 41.3 123.9

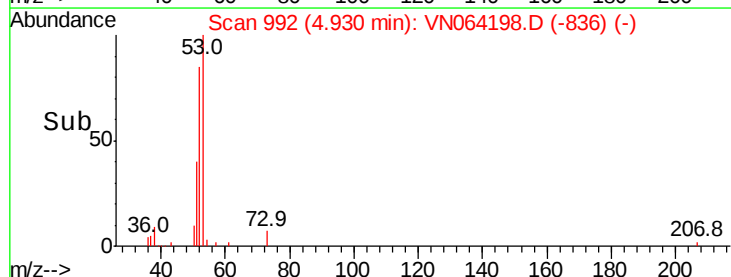
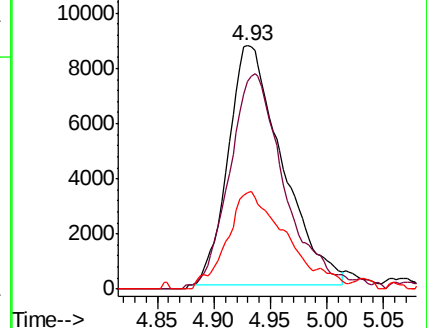
51 35.1 18.1 54.1

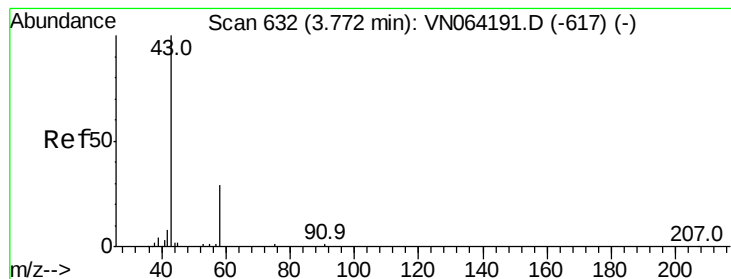


Abundance Ion 53.00 (52.70 to 53.70): VN064198.D (-836) (-)

Ion 52.00 (51.70 to 52.70): VN064198.D (-836) (-)

Ion 51.00 (50.70 to 51.70): VN064198.D (-836) (-)





#15

Acetone

Concen: 15.734 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

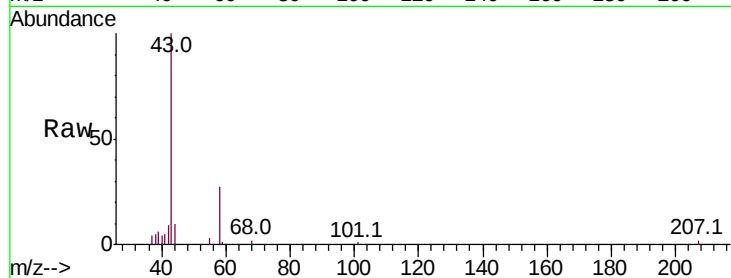
ClientSampled :

Tot Ion: 58 Resp: 5285

Ion Ratio Lower Upper

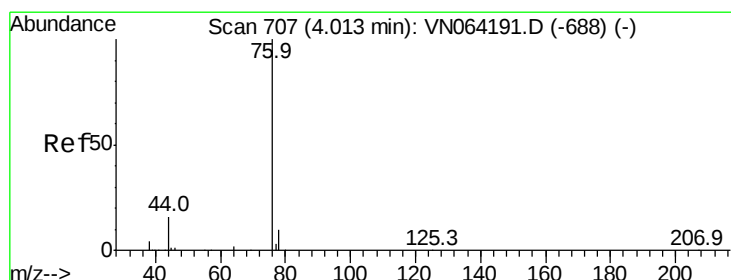
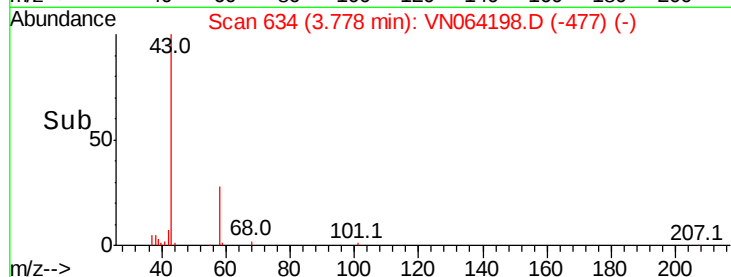
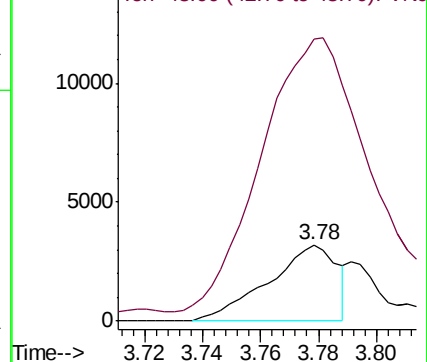
58 100

43 348.7 272.1 408.1



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 4.512 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN064198.D

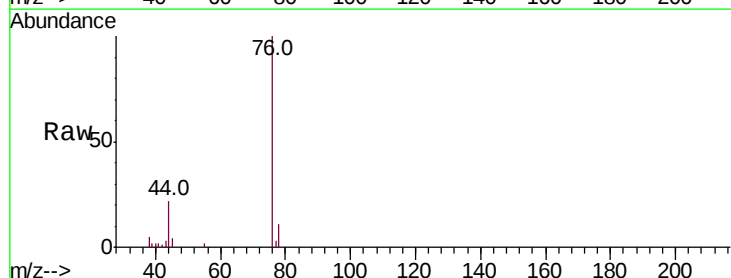
Acq: 20 Oct 2020 16:19

Tgt Ion: 76 Resp: 37796

Ion Ratio Lower Upper

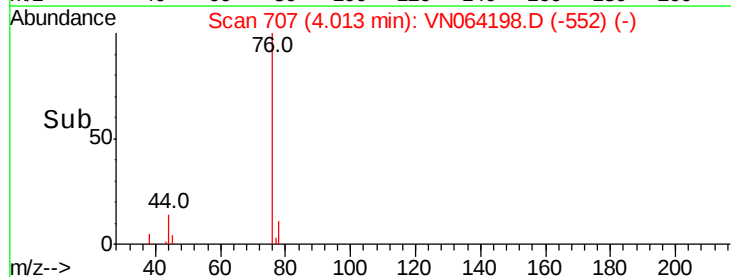
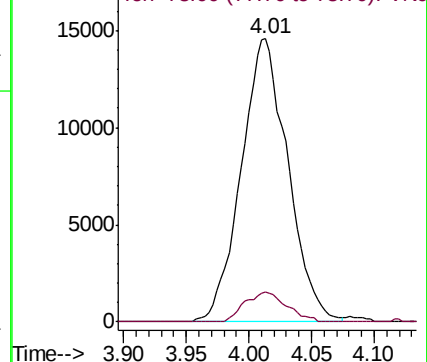
76 100

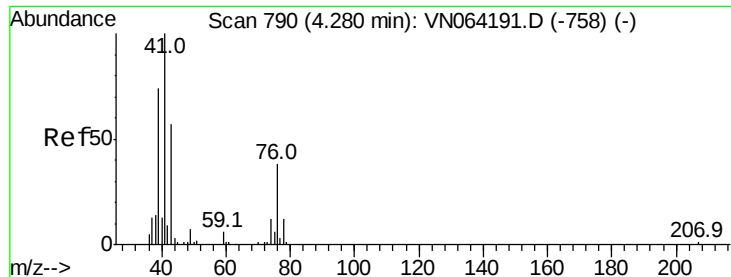
78 10.7 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 4.529 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

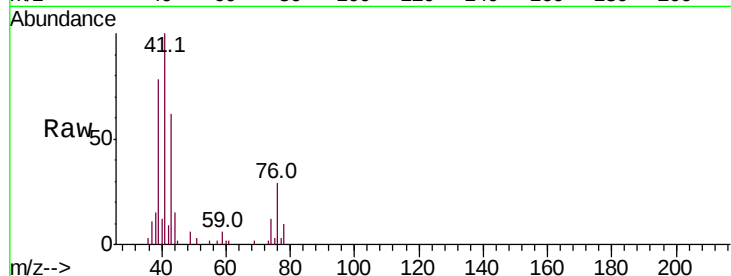
Tot Ion: 41 Resp: 24667

Ion Ratio Lower Upper

41 100

39 79.6 36.8 110.4

76 30.9 18.8 56.4

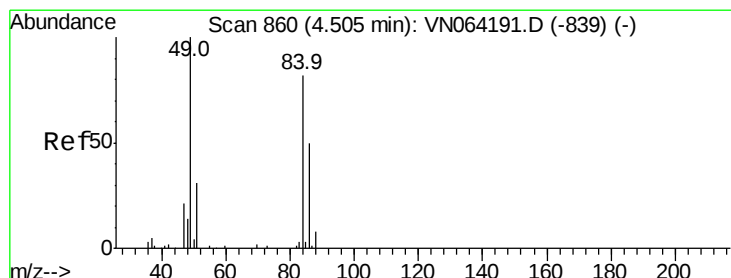
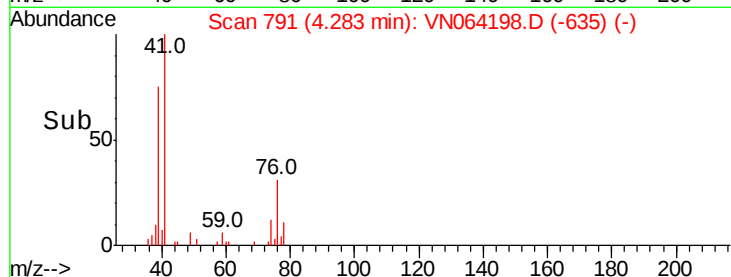
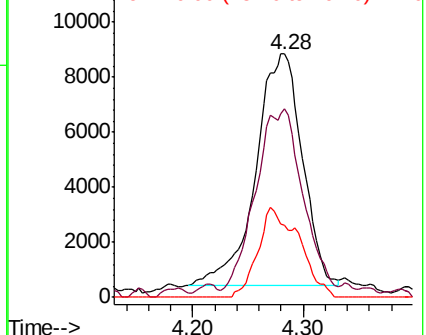


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#18

Methylene Chloride

Concen: 4.977 ug/l

RT: 4.51 min Scan# 860

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Tgt Ion: 84 Resp: 16673

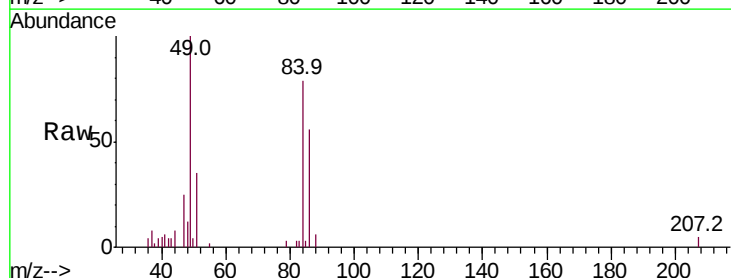
Ion Ratio Lower Upper

84 100

49 124.0 97.6 146.4

51 44.1 31.1 46.7

86 70.9 49.3 73.9



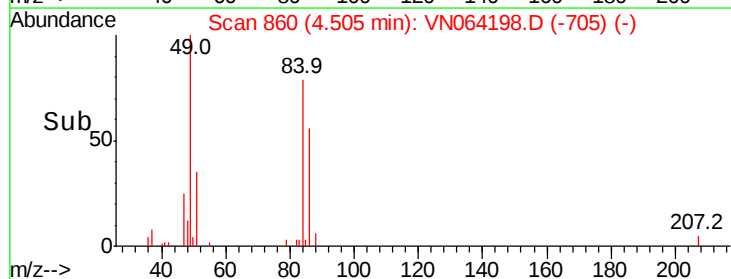
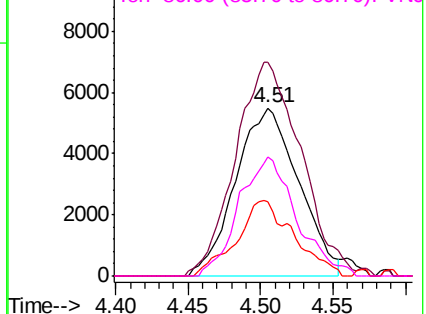
Abundance

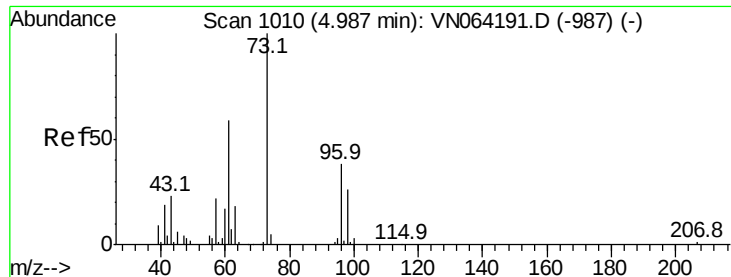
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO

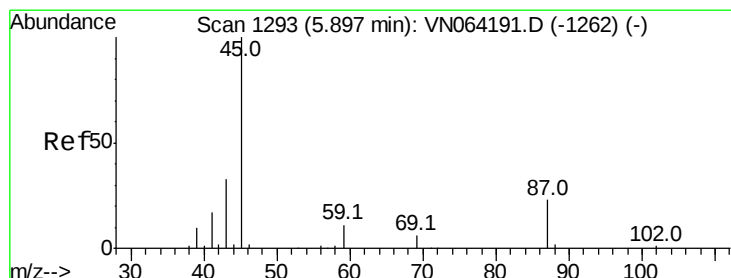
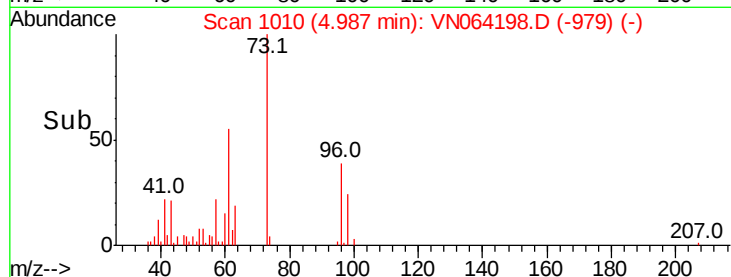
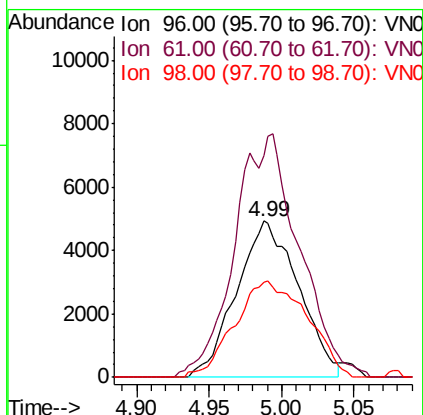
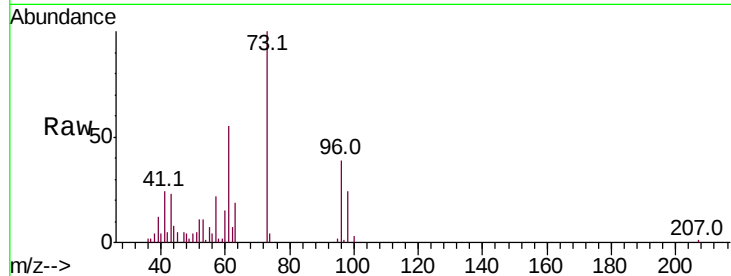




#19
trans-1,2-Dichloroethene
Concen: 4.651 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

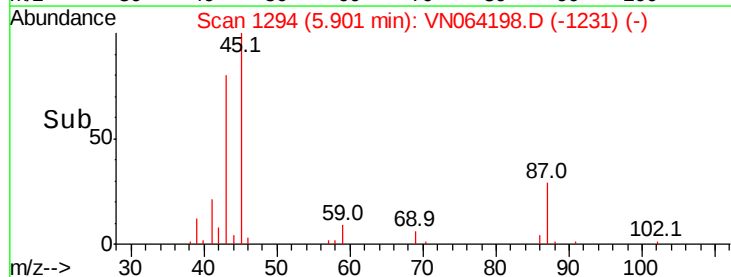
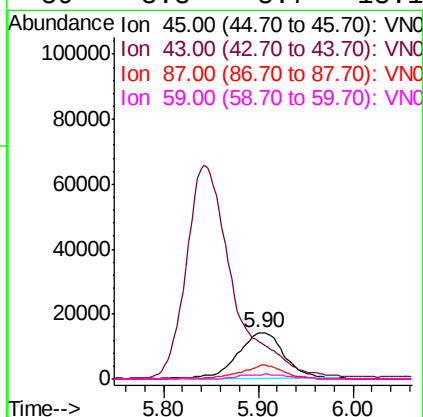
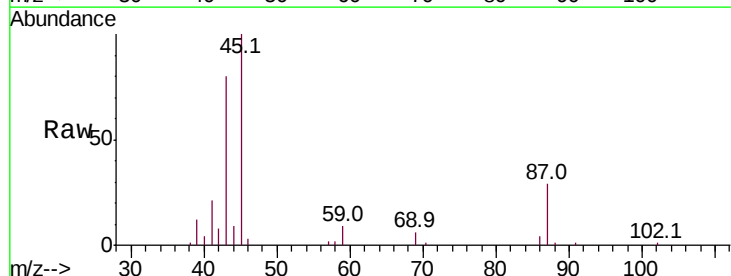
Instrument :
MSVOA_N
ClientSampled :

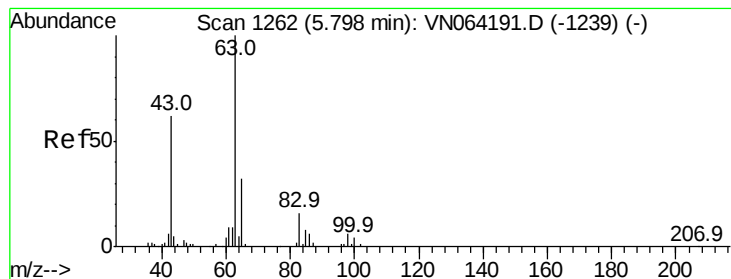
Tot Ion: 96 Resp: 14696
Ion Ratio Lower Upper
96 100
61 134.6 125.5 188.3
98 57.6 54.7 82.1



#20
Diisopropyl ether
Concen: 4.777 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 45 Resp: 48078
Ion Ratio Lower Upper
45 100
43 74.2 55.1 82.7
87 29.4 19.4 29.2#
59 8.8 8.7 13.1





#21

1,1-Dichloroethane

Concen: 4.883 ug/l

RT: 5.80 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

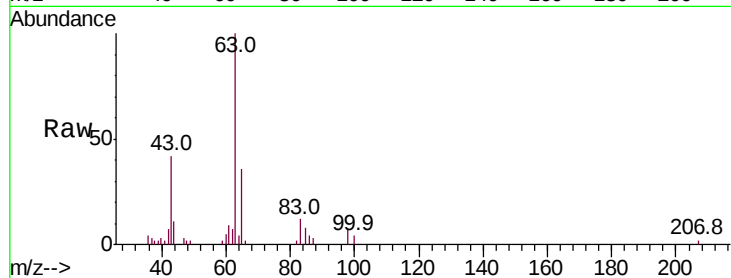
Tot Ion: 63 Resp: 30005

Ion Ratio Lower Upper

63 100

98 6.9 2.9 8.7

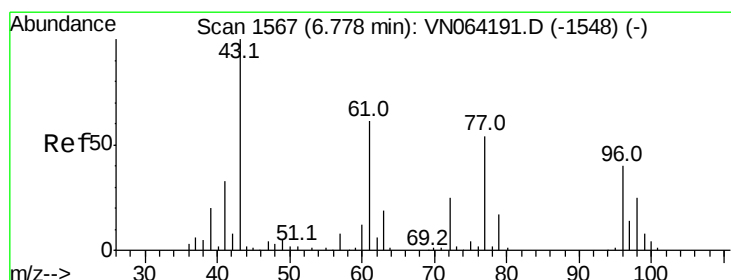
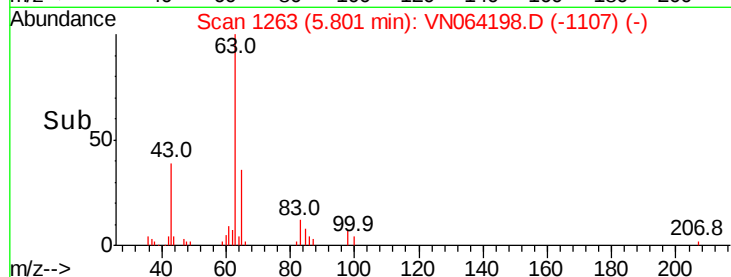
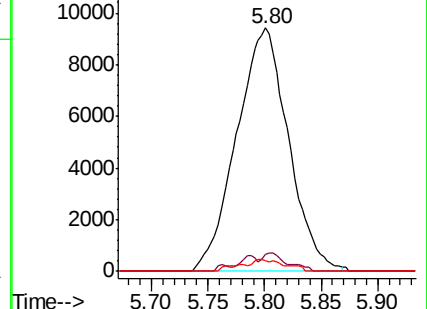
100 4.2 2.1 6.3



Abundance Ion 63.00 (62.70 to 63.70): VN064198.D (-1239) (-)

Ion 98.00 (97.70 to 98.70): VN064198.D (-1239) (-)

Ion 100.00 (99.70 to 100.70): VN064198.D (-1239) (-)



#22

cis-1,2-Dichloroethene

Concen: 4.838 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

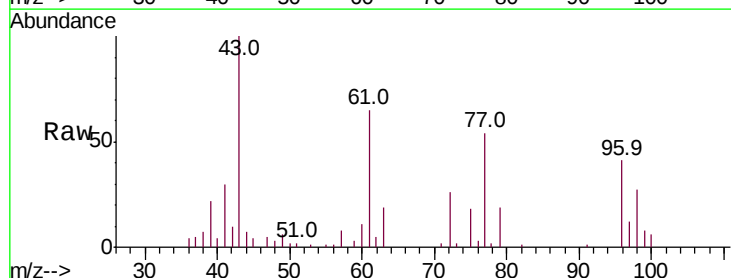
Tgt Ion: 96 Resp: 17872

Ion Ratio Lower Upper

96 100

61 165.5 126.2 189.4

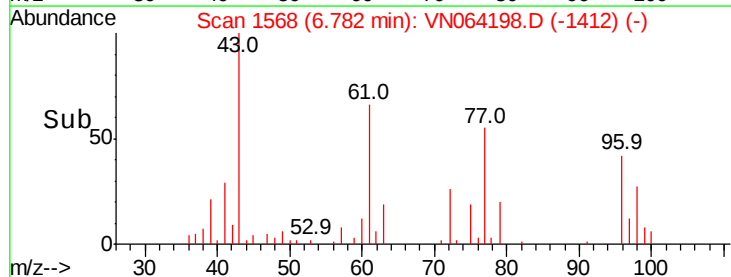
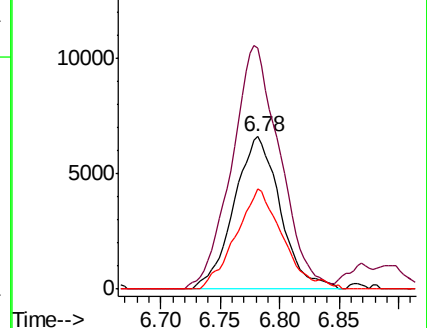
98 64.4 50.2 75.4

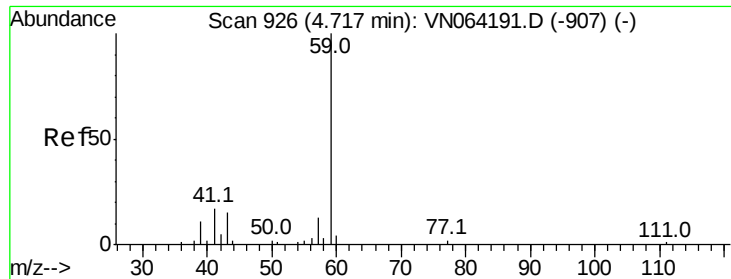


Abundance Ion 96.00 (95.70 to 96.70): VN064198.D (-1548) (-)

Ion 61.00 (60.70 to 61.70): VN064198.D (-1548) (-)

Ion 98.00 (97.70 to 98.70): VN064198.D (-1548) (-)

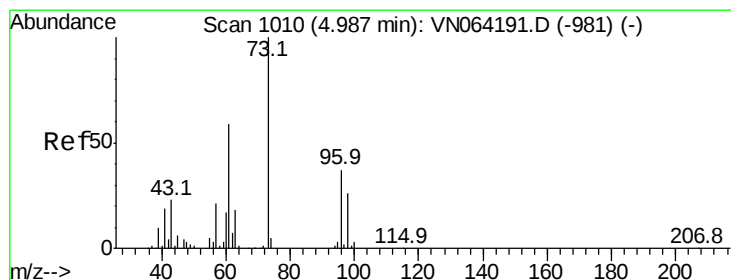
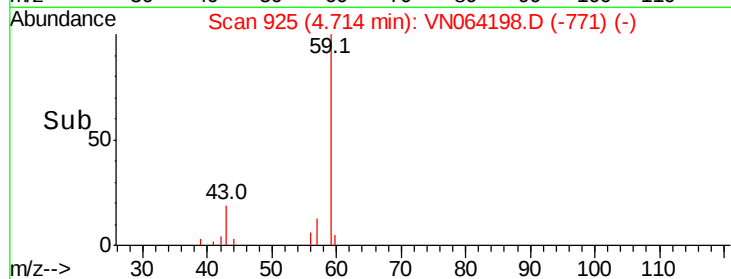
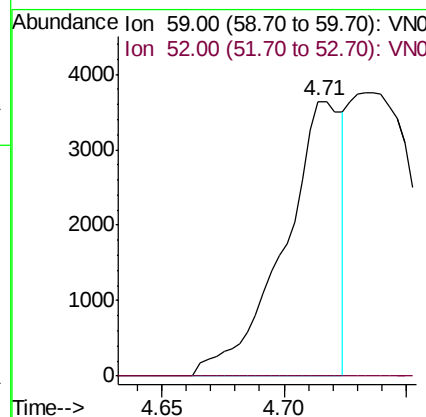
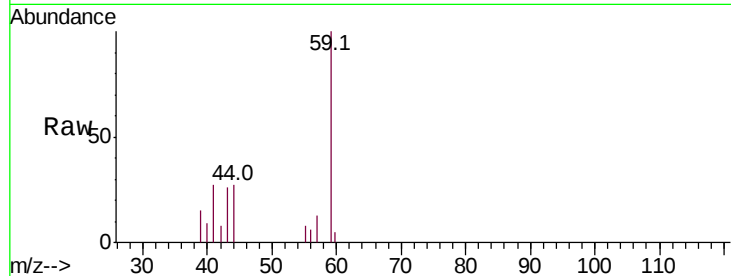




#23
tert-Butyl Alcohol
Concen: 10.451 ug/l
RT: 4.71 min Scan# 925
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

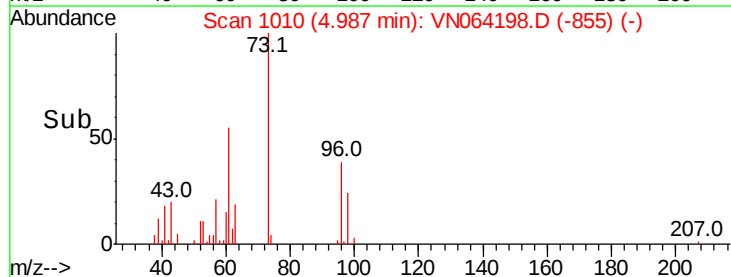
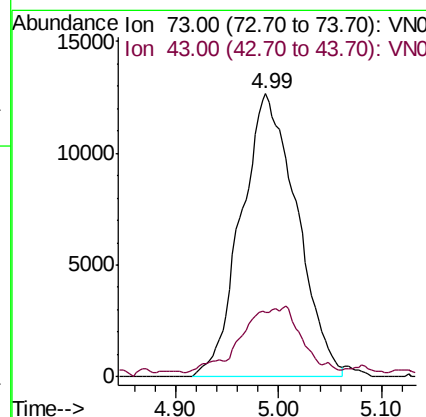
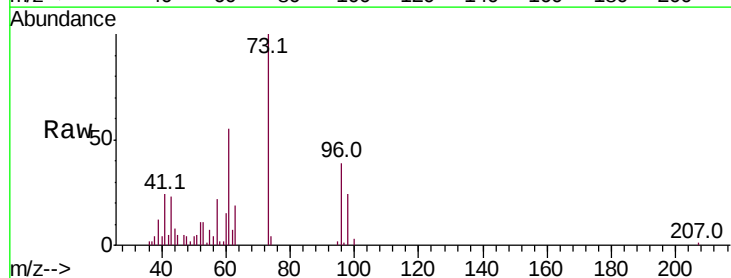
Instrument :
MSVOA_N
ClientSampled :

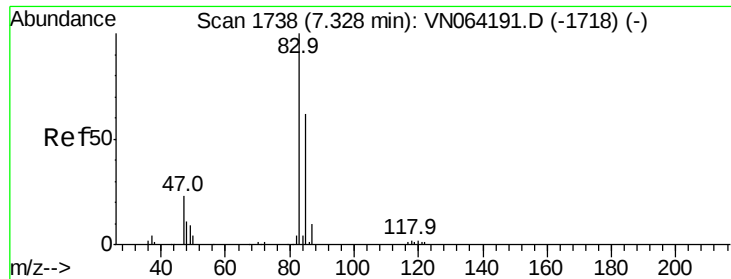
Tot Ion: 59 Resp: 6014
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 4.913 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 73 Resp: 47550
Ion Ratio Lower Upper
73 100
43 7.0 18.2 27.2#

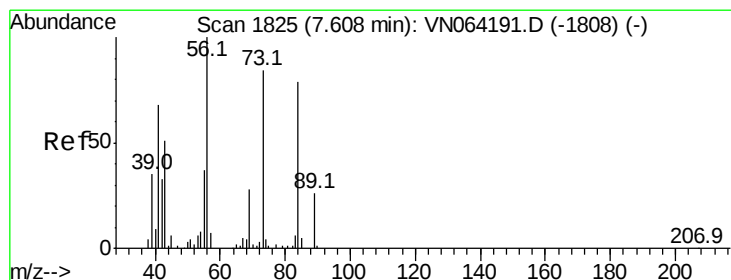
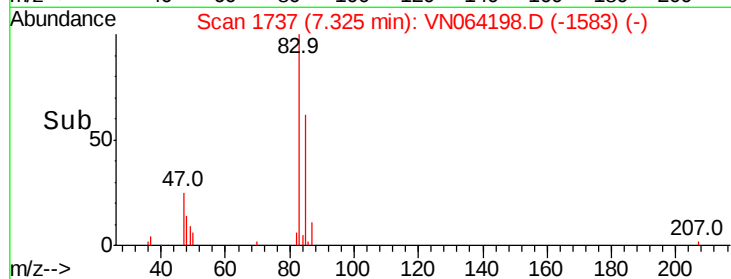
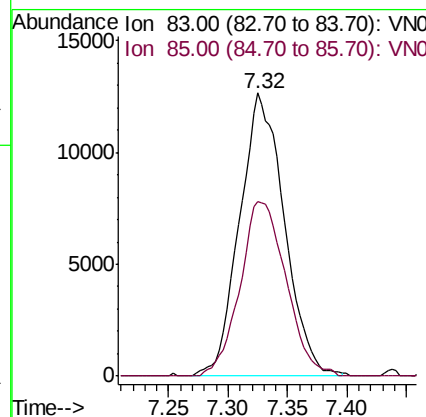
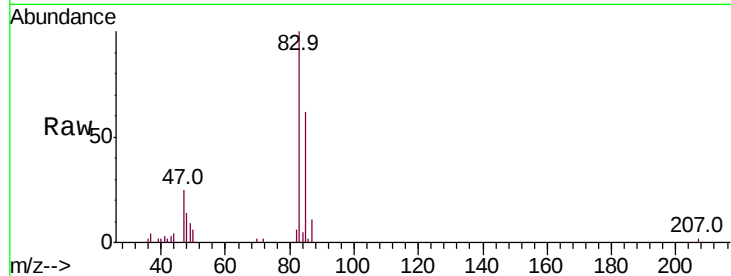




#25
Chloroform
Concen: 5.151 ug/l
RT: 7.32 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

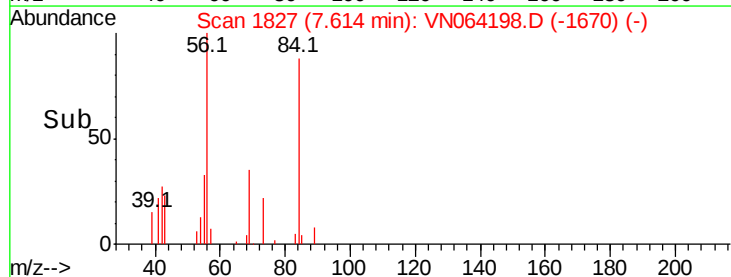
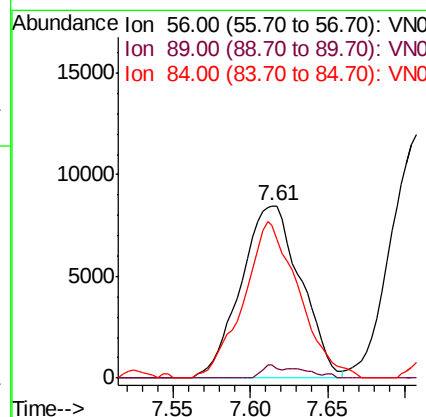
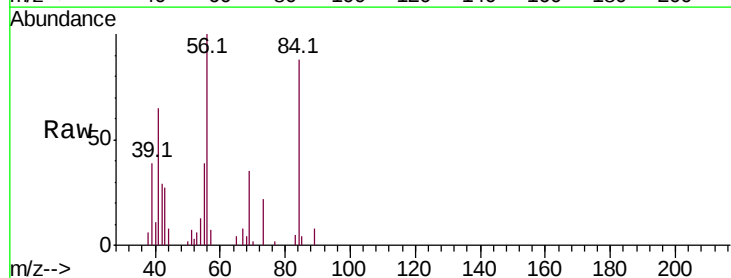
Instrument :
MSVOA_N
ClientSampled :

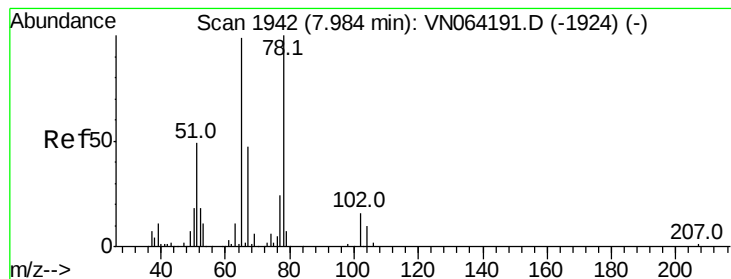
Tot Ion: 83 Resp: 32890
Ion Ratio Lower Upper
83 100
85 61.7 49.7 74.5



#26
Cyclohexane
Concen: 4.692 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 56 Resp: 22861
Ion Ratio Lower Upper
56 100
89 2.4 21.4 32.0#
84 83.6 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 31.248 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

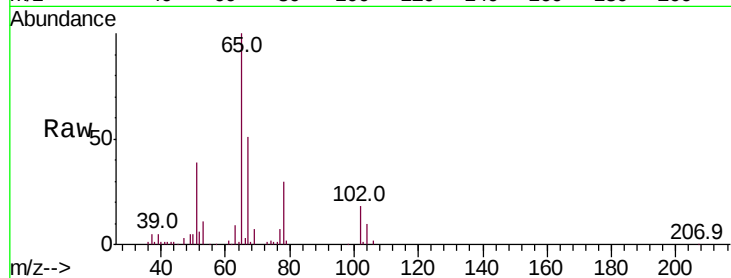
ClientSampleId :

Tot Ion: 65 Resp: 131331

Ion Ratio Lower Upper

65 100

67 50.2 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN064198.D (-1924) (-)

Ion 67.00 (66.70 to 67.70): VN064198.D (-1924) (-)

7.99

60000

50000

40000

30000

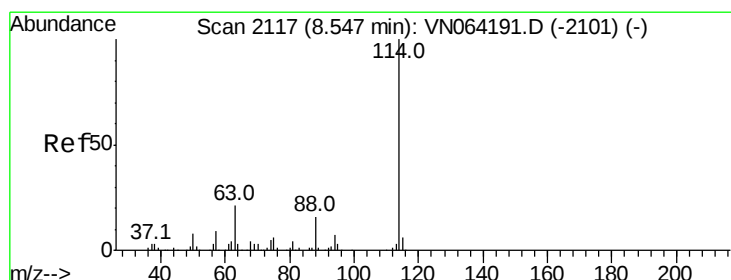
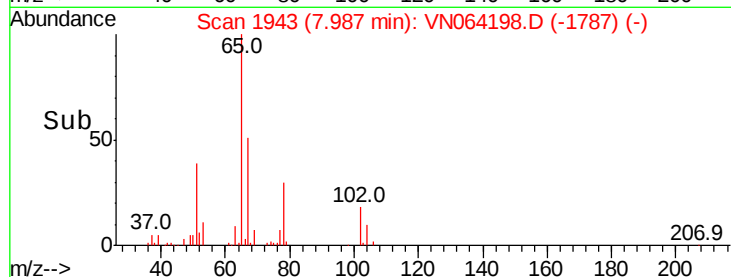
20000

10000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

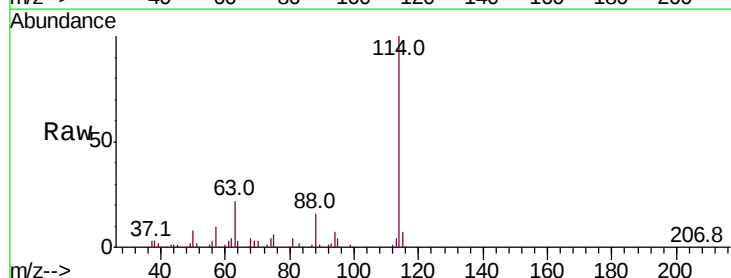
Tgt Ion: 114 Resp: 289538

Ion Ratio Lower Upper

114 100

63 22.2 17.0 25.4

88 16.6 13.0 19.4



Abundance Ion 114.00 (113.70 to 114.70): VN064198.D (-1962) (-)

Ion 63.00 (62.70 to 63.70): VN064198.D (-1962) (-)

Ion 88.00 (87.70 to 88.70): VN064198.D (-1962) (-)

8.55

150000

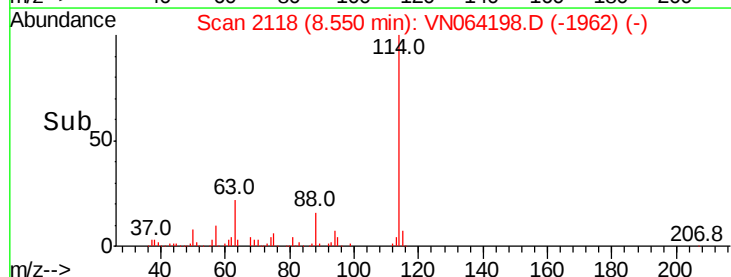
100000

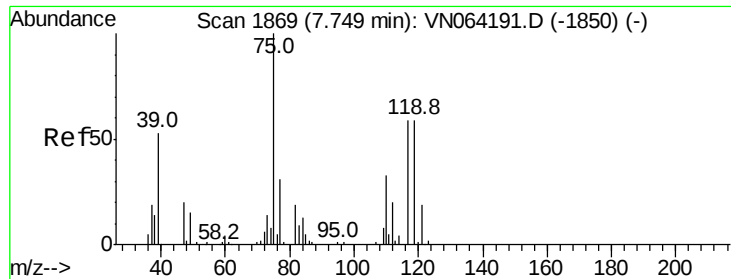
50000

0

8.45 8.50 8.55 8.60 8.65

Time-->

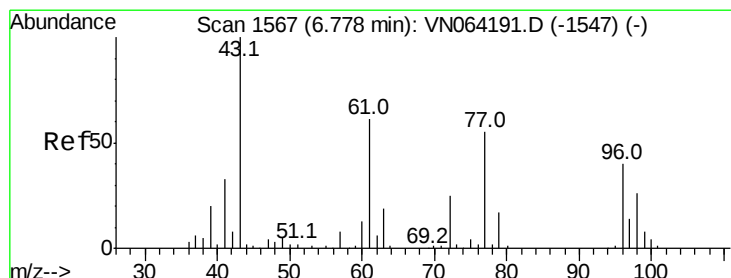
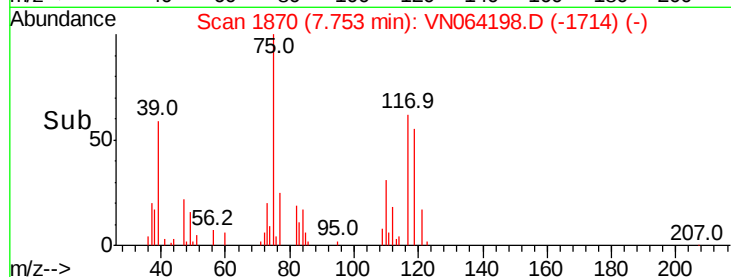
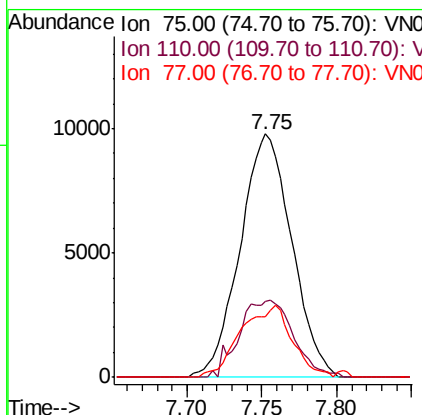
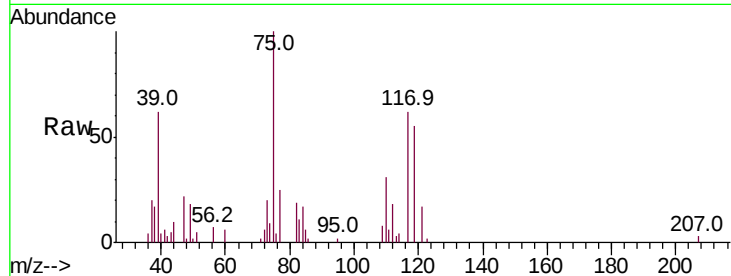




#29
 1,1-Dichloropropene
 Concen: 4.888 ug/l
 RT: 7.75 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

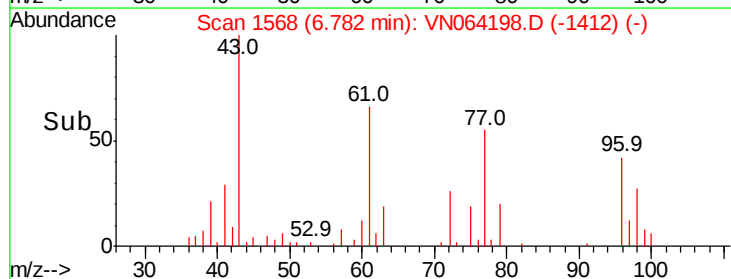
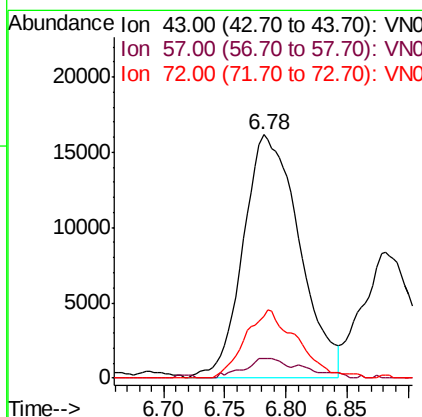
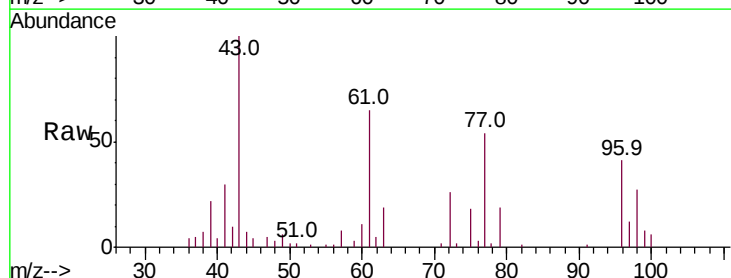
Instrument :
 MSVOA_N
 ClientSampled :

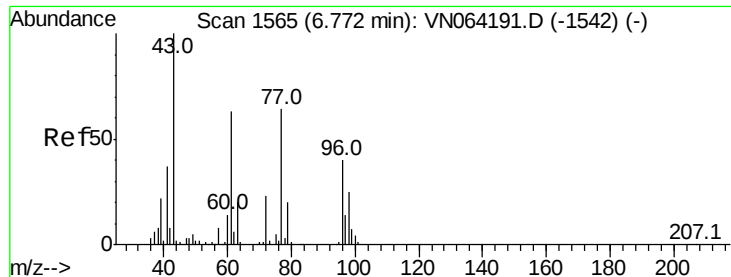
Tot Ion: 75 Resp: 23502
 Ion Ratio Lower Upper
 75 100
 110 6.1 0.0 66.8
 77 13.6 0.0 63.6



#30
 2-Butanone
 Concen: 26.014 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 43 Resp: 51582
 Ion Ratio Lower Upper
 43 100
 57 4.9 5.8 8.6#
 72 19.6 19.8 29.8#

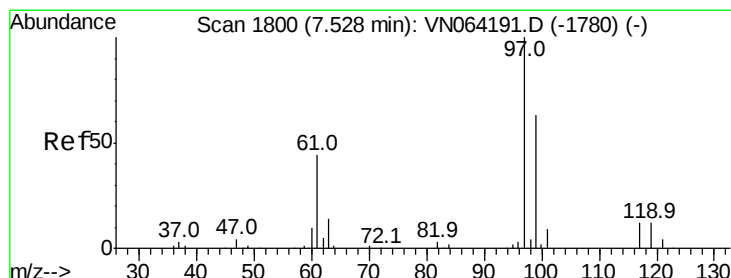
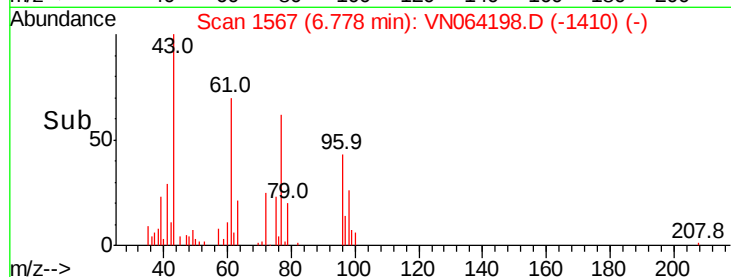
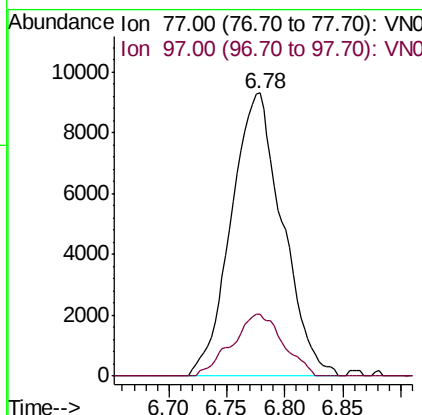
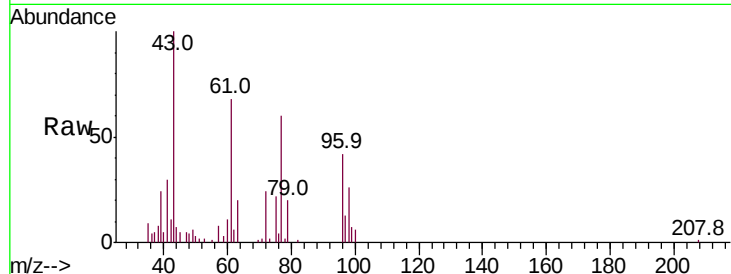




#31
 2,2-Dichloropropane
 Concen: 4.677 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

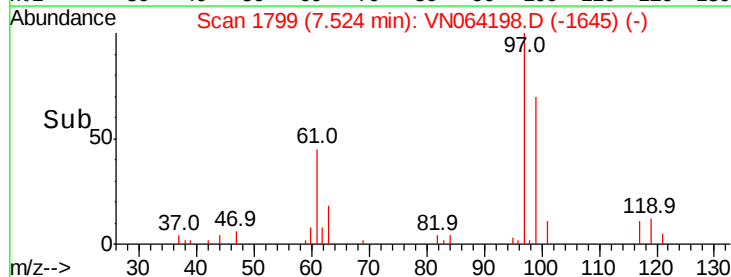
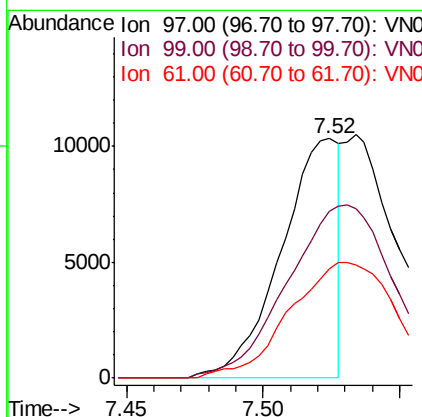
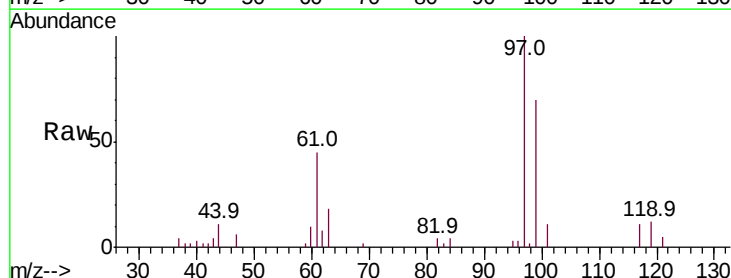
Instrument :
 MSVOA_N
 ClientSampleId :

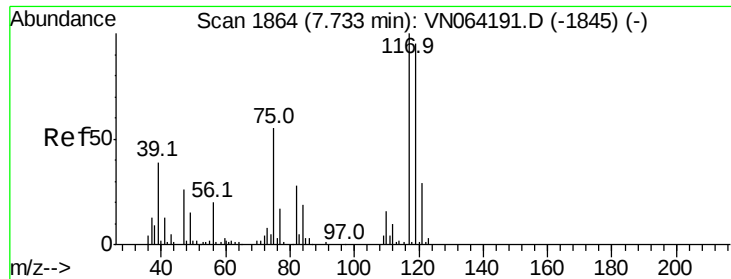
Tot Ion: 77 Resp: 28550
 Ion Ratio Lower Upper
 77 100
 97 4.7 17.3 25.9#



#32
 1,1,1-Trichloroethane
 Concen: 2.495 ug/l
 RT: 7.52 min Scan# 1799
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 97 Resp: 15284
 Ion Ratio Lower Upper
 97 100
 99 130.2 51.3 76.9#
 61 88.2 34.8 52.2#

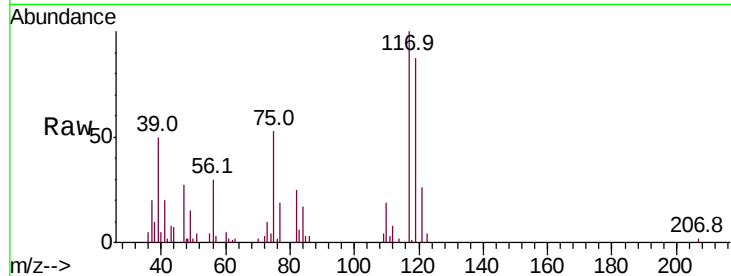




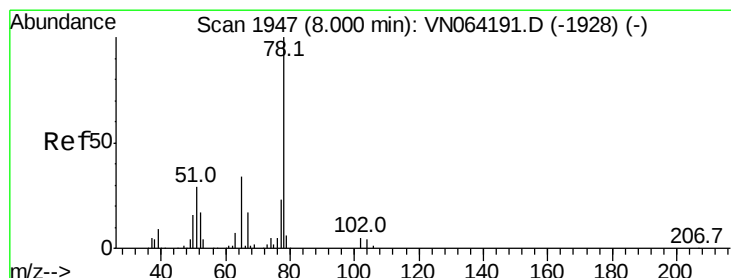
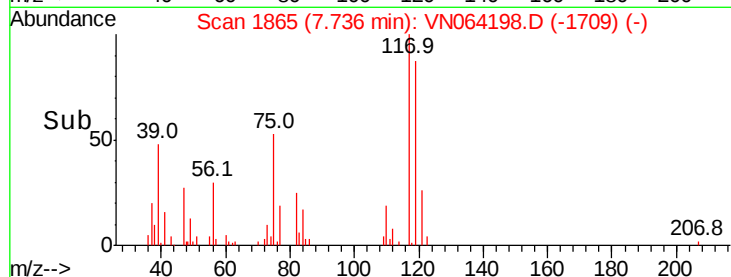
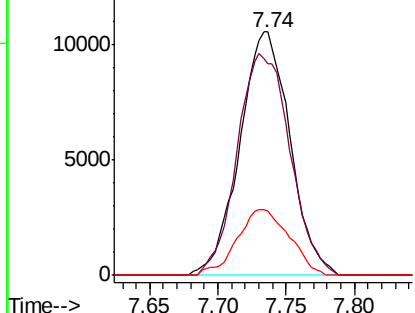
#33
Carbon Tetrachloride
Concen: 4.826 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 26955
Ion Ratio Lower Upper
117 100
119 87.0 76.0 114.0
121 26.5 23.0 34.6

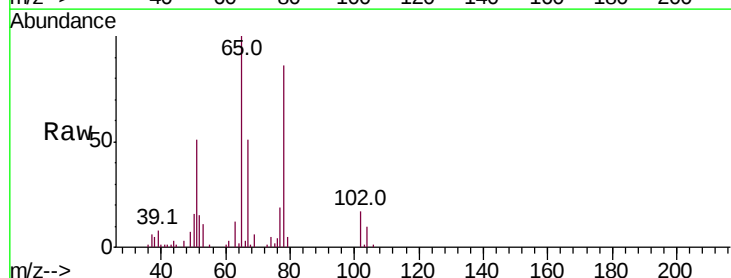


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

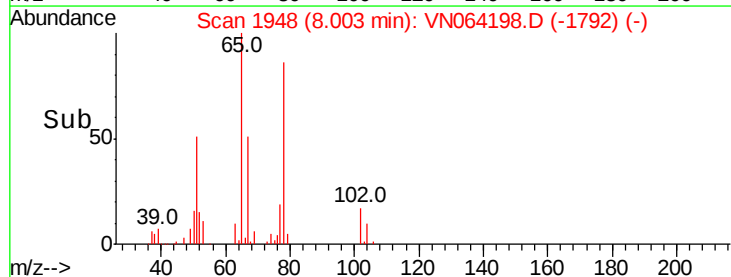
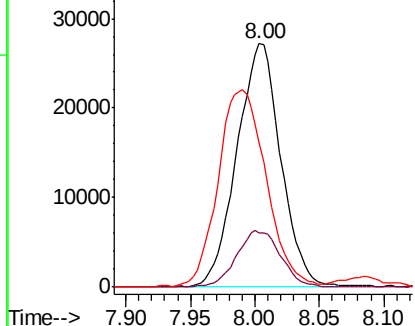


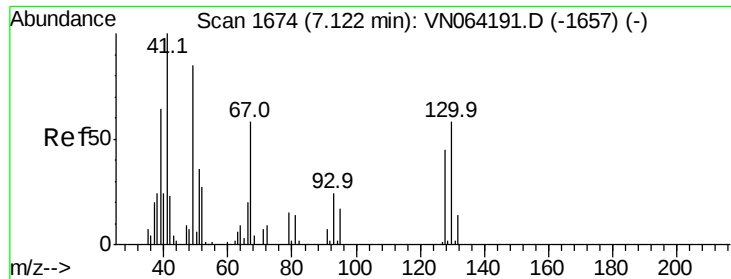
#34
Benzene
Concen: 4.819 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 78 Resp: 64532
Ion Ratio Lower Upper
78 100
77 22.2 18.4 27.6
51 57.0 23.0 34.6#



Abundance Ion 78.10 (77.80 to 78.80): V
Ion 77.00 (76.70 to 77.70): V
Ion 51.00 (50.70 to 51.70): V

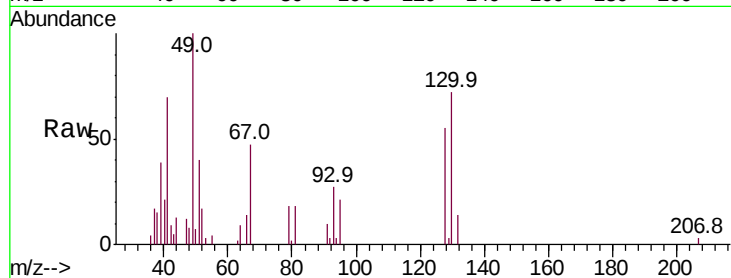




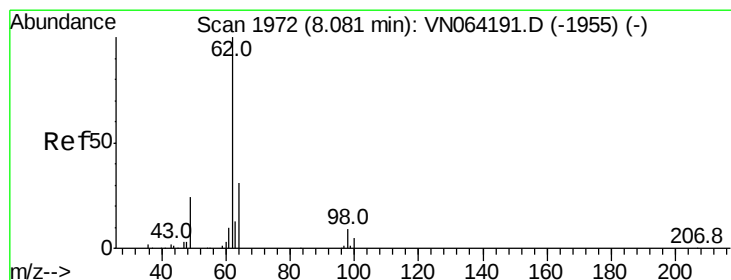
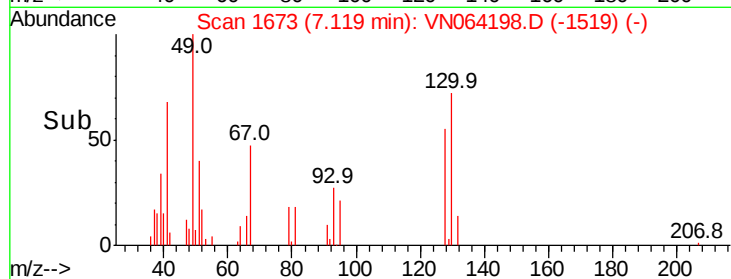
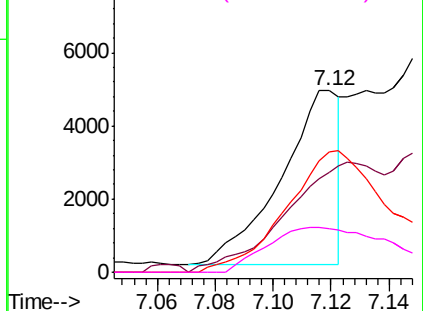
#35
Methacrylonitrile
Concen: 3.084 ug/l
RT: 7.12 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	6708
Ion	Ratio	Lower	Upper
41	100		
39	57.3	32.1	96.3
67	69.3	28.9	86.8
52	24.9	13.4	40.2

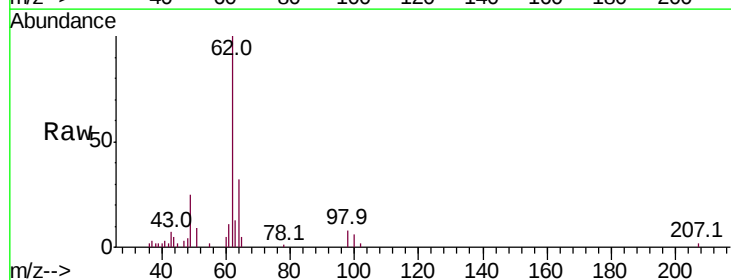


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

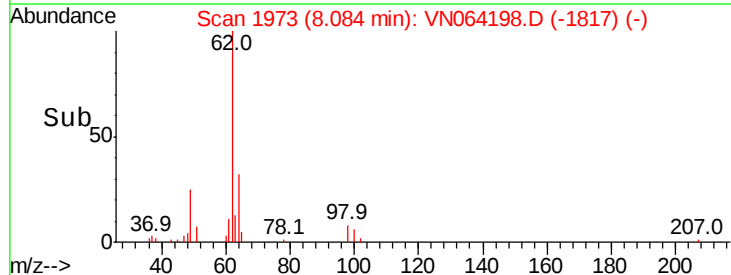
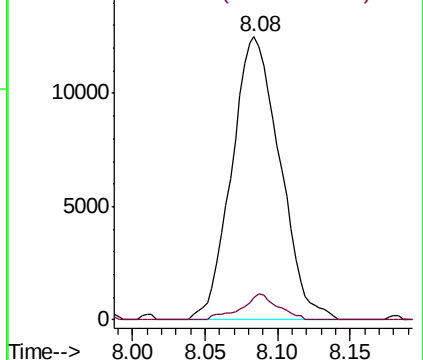


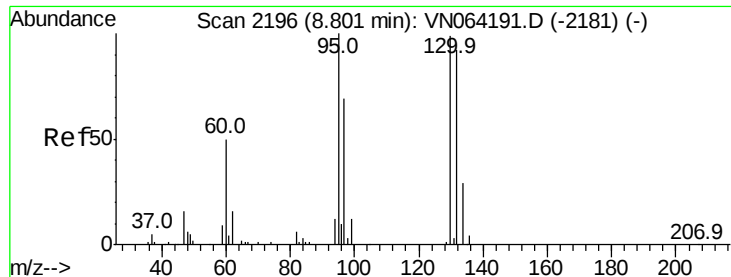
#36
1,2-Dichloroethane
Concen: 5.317 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion:	62	Resp:	28794
Ion	Ratio	Lower	Upper
62	100		
98	7.1	6.3	9.5



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

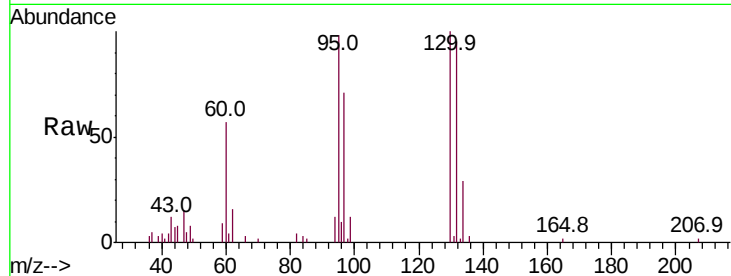




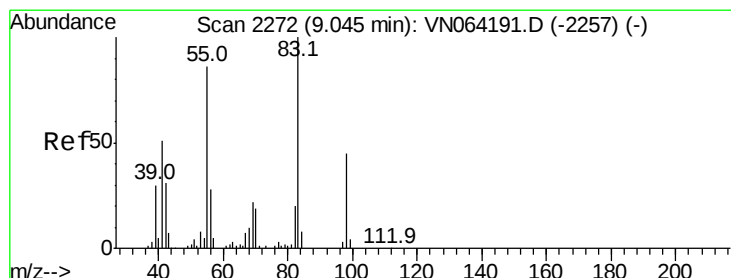
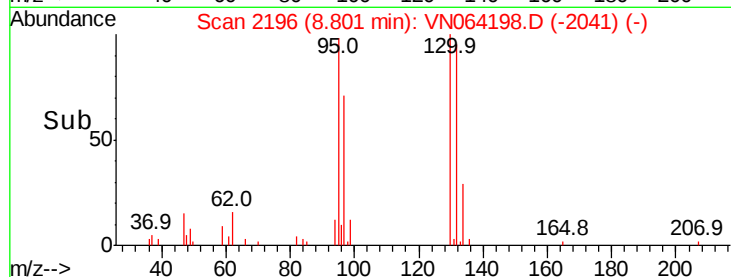
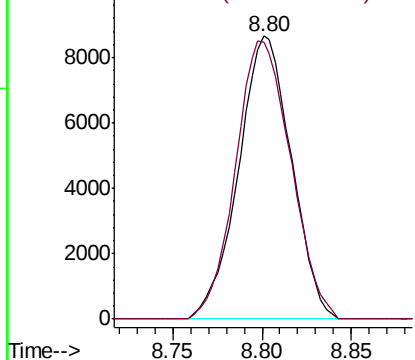
#37
 Trichloroethene
 Concen: 4.856 ug/l
 RT: 8.80 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 17904
 Ion Ratio Lower Upper
 130 100
 95 97.7 81.0 121.4

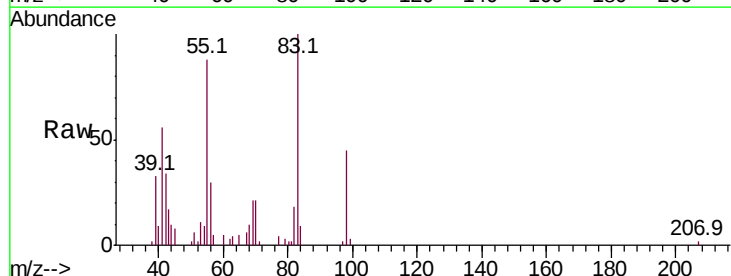


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

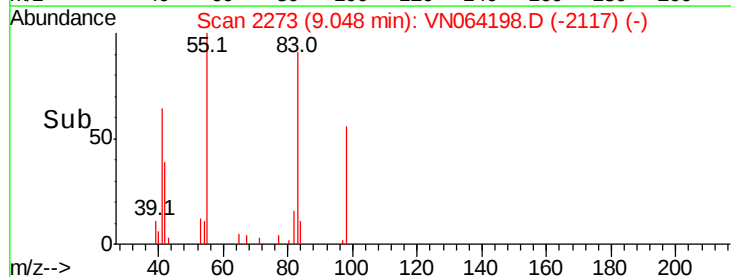
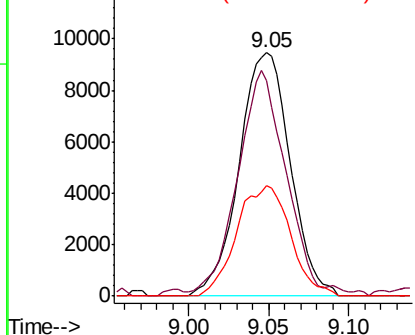


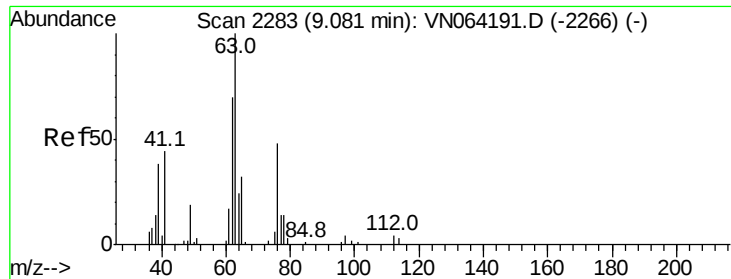
#38
 Methylcyclohexane
 Concen: 4.511 ug/l
 RT: 9.05 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 83 Resp: 20744
 Ion Ratio Lower Upper
 83 100
 55 86.8 40.3 120.9
 98 47.5 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 4.814 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

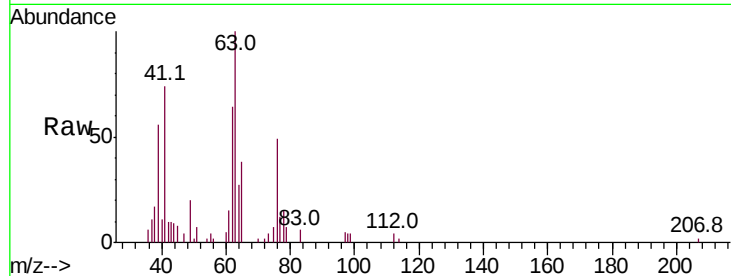
ClientSampleId :

Tot Ion: 63 Resp: 17203

Ion Ratio Lower Upper

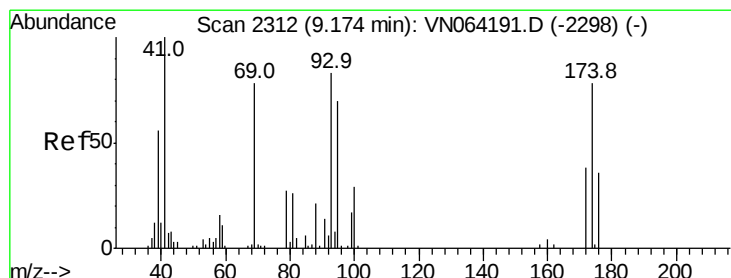
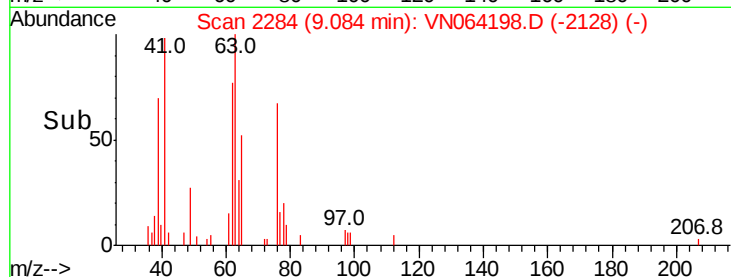
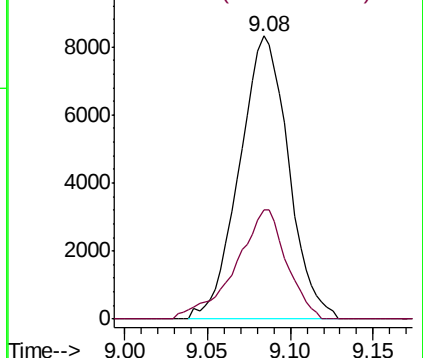
63 100

65 38.5 26.5 39.7



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 4.713 ug/l

RT: 9.18 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

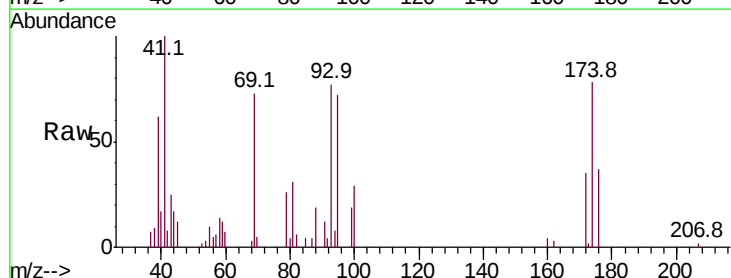
Tgt Ion: 93 Resp: 11717

Ion Ratio Lower Upper

93 100

95 86.4 0.0 169.2

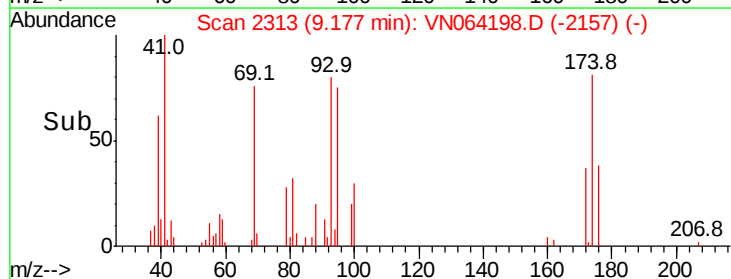
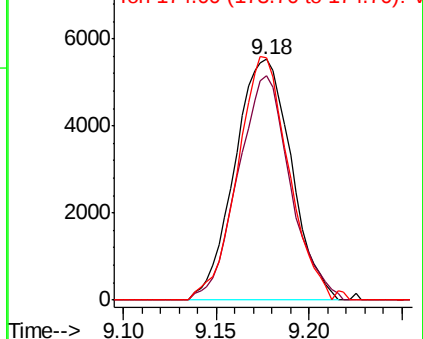
174 91.3 0.0 187.4

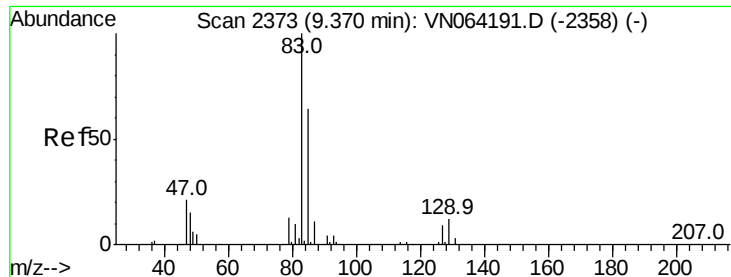


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 4.983 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

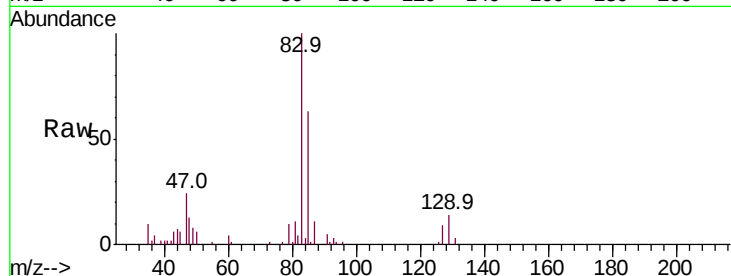
Tot Ion: 83 Resp: 26810

Ion Ratio Lower Upper

83 100

85 62.8 51.5 77.3

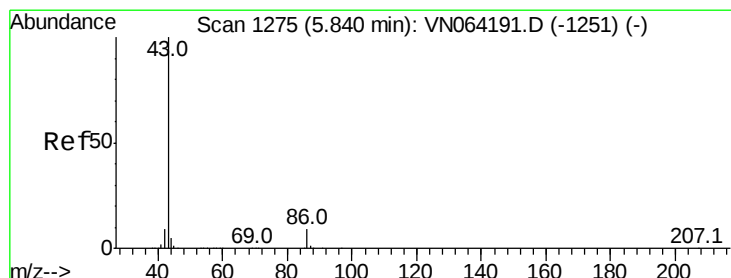
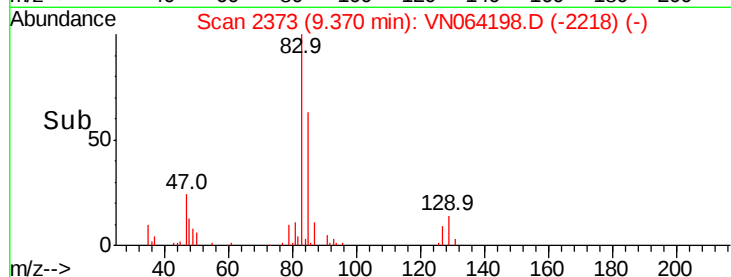
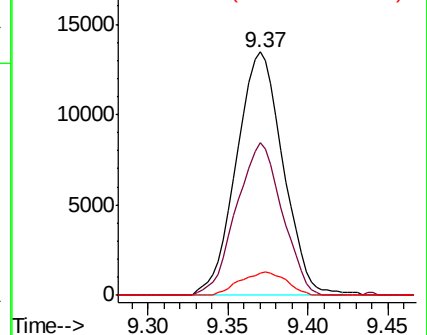
127 9.0 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VN064198.D (-2358) (-)

Ion 85.00 (84.70 to 85.70): VN064198.D (-2358) (-)

Ion 127.00 (126.70 to 127.70): VN064198.D (-2358) (-)



#42

Vinyl Acetate

Concen: 23.987 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064198.D

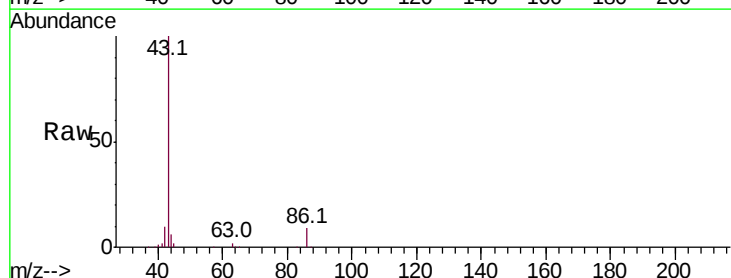
Acq: 20 Oct 2020 16:19

Tgt Ion: 43 Resp: 225803

Ion Ratio Lower Upper

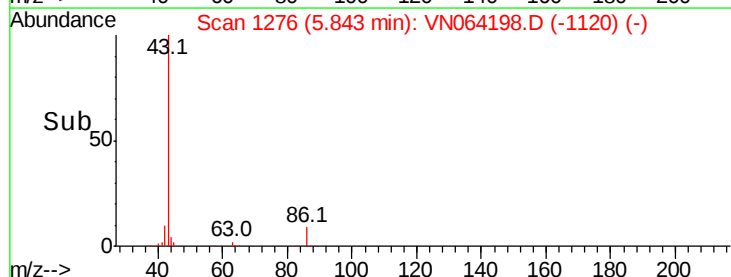
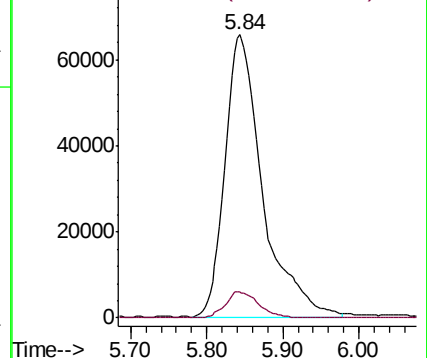
43 100

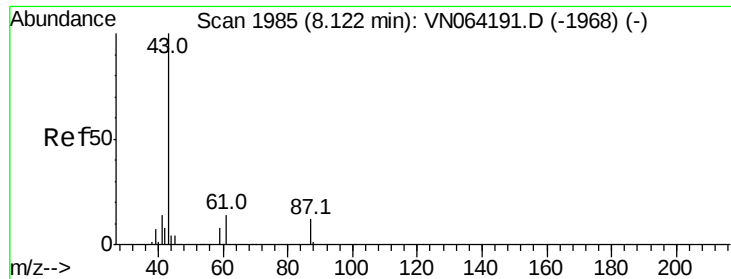
86 8.2 6.7 10.1



Abundance Ion 43.00 (42.70 to 43.70): VN064198.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN064198.D (-1120) (-)



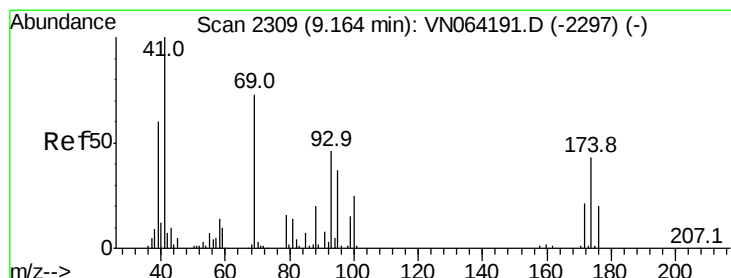
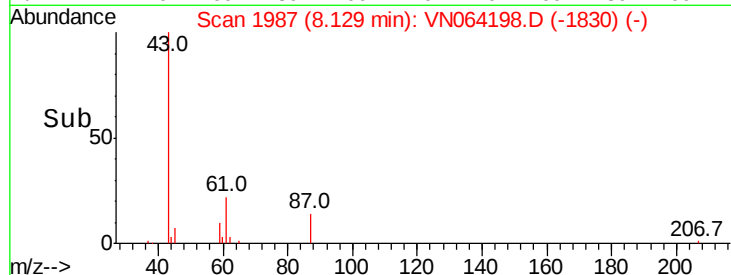
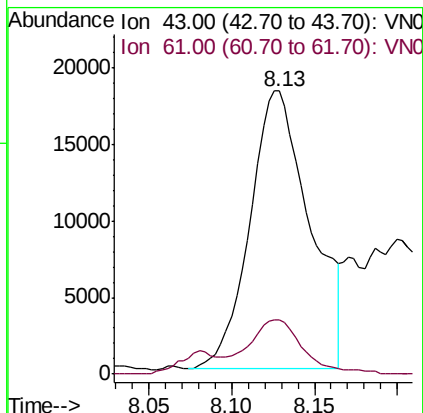
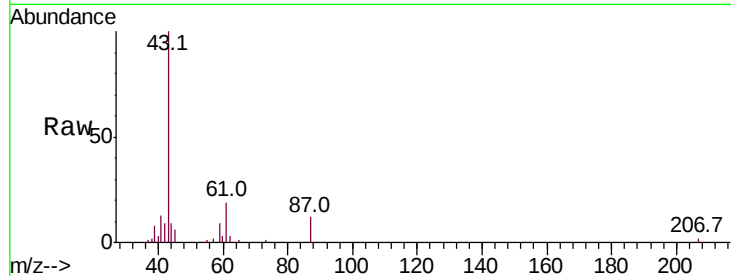


#44

Isopropyl Acetate
 Concen: 5.496 ug/l
 RT: 8.13 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampled :

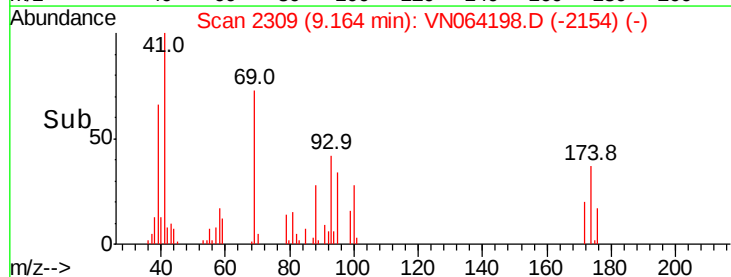
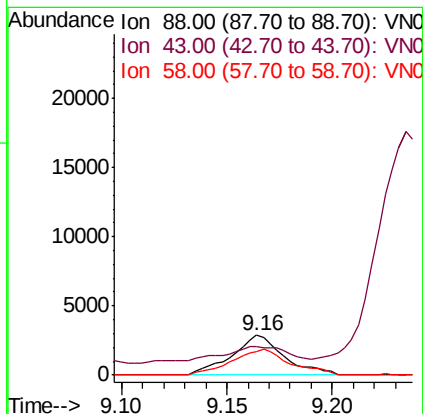
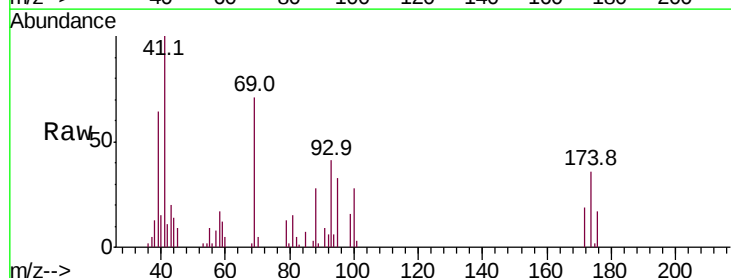
Tot Ion: 43 Resp: 45695
 Ion Ratio Lower Upper
 43 100
 61 16.6 18.7 28.1#

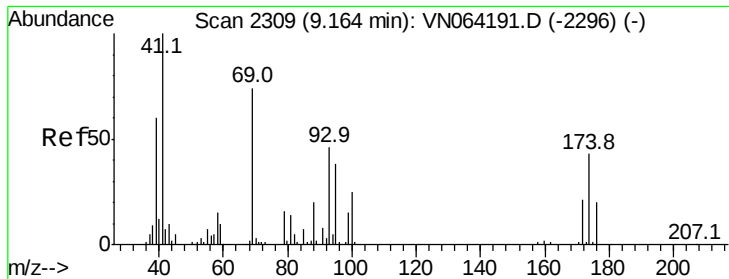


#45

1,4-Dioxane
 Concen: 101.139 ug/l
 RT: 9.16 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 88 Resp: 4918
 Ion Ratio Lower Upper
 88 100
 43 26.9 37.0 55.4#
 58 72.7 62.4 93.6

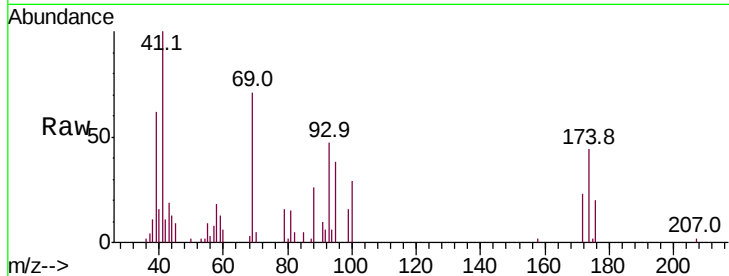




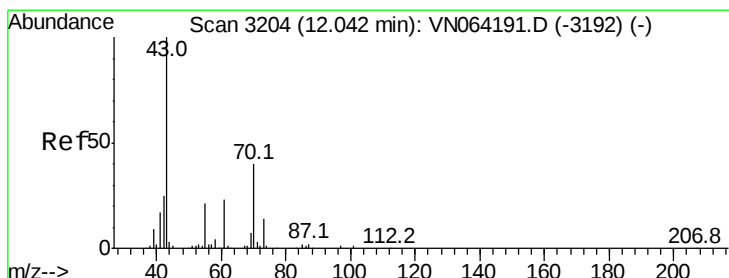
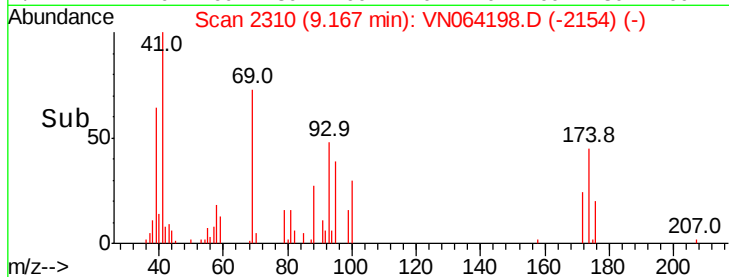
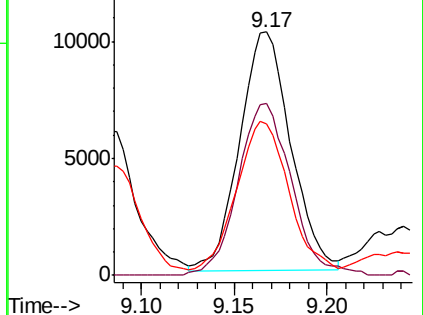
#46
Methvl methacrylate
Concen: 4.980 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 19644
Ion Ratio Lower Upper
41 100
69 72.1 36.8 110.4
39 62.2 30.4 91.2

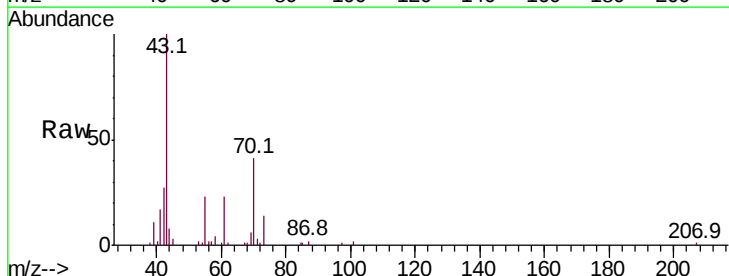


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

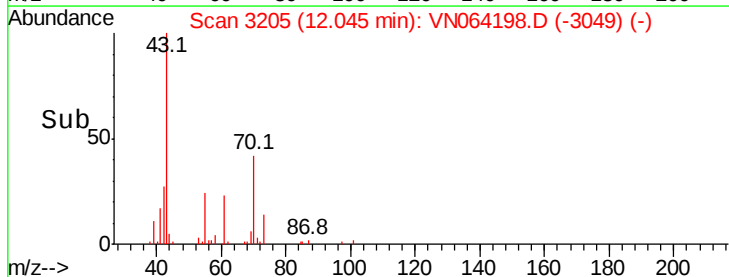
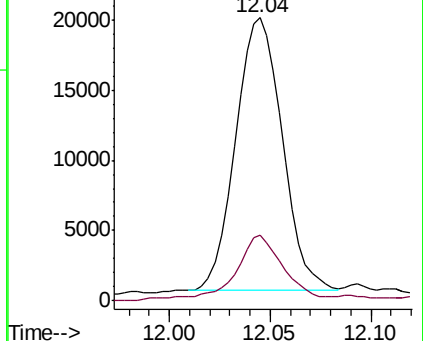


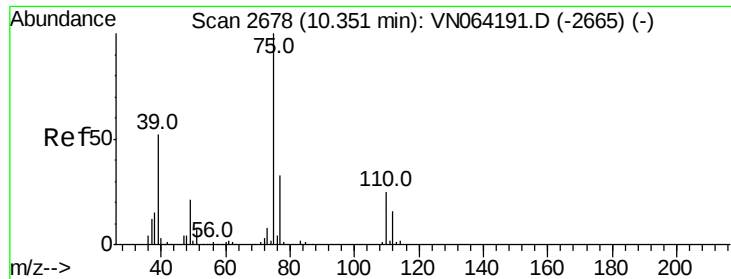
#47
n-amy1 Acetate
Concen: 4.253 ug/l
RT: 12.04 min Scan# 3205
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 43 Resp: 31366
Ion Ratio Lower Upper
43 100
55 21.6 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 55.00 (54.70 to 55.70): VN0





#48

t-1,3-Dichloropropene

Concen: 4.915 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

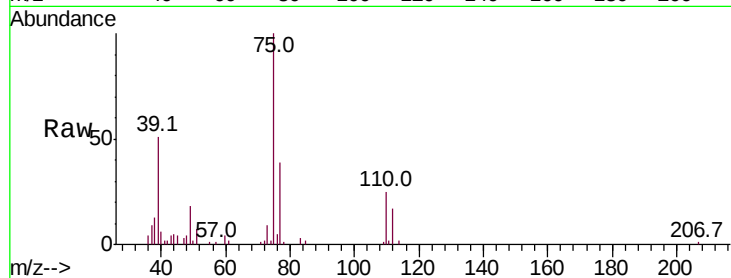
ClientSampled :

Tot Ion: 75 Resp: 29826

Ion Ratio Lower Upper

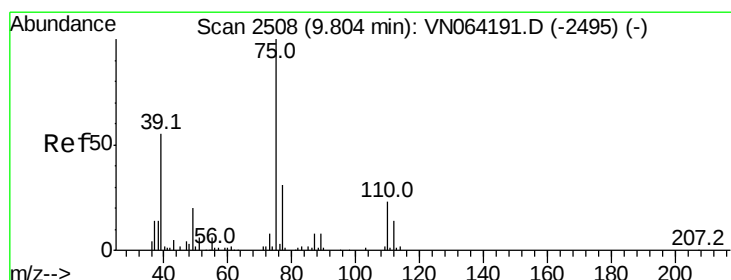
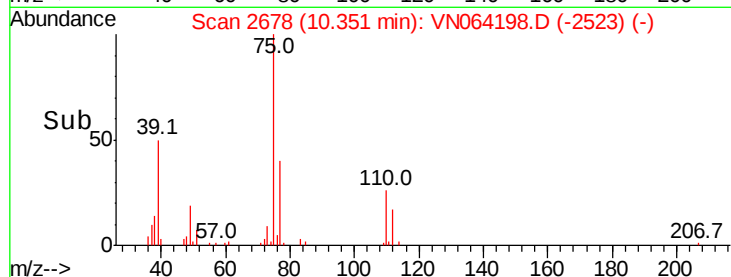
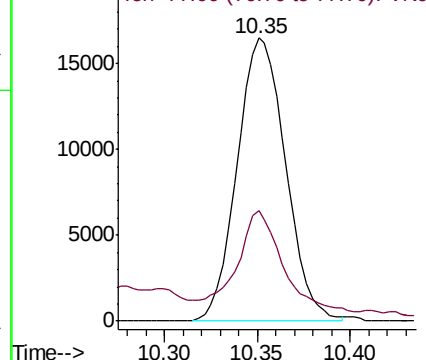
75 100

77 34.6 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#49

cis-1,3-Dichloropropene

Concen: 4.752 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

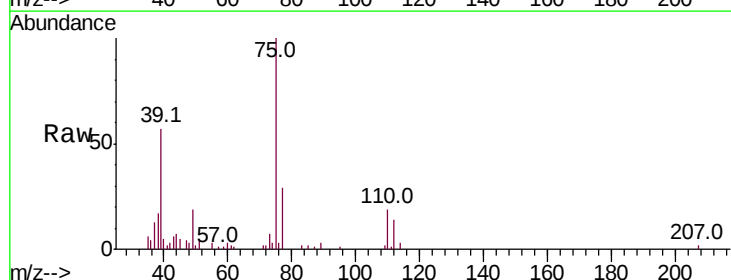
Tgt Ion: 75 Resp: 29797

Ion Ratio Lower Upper

75 100

77 29.2 24.5 36.7

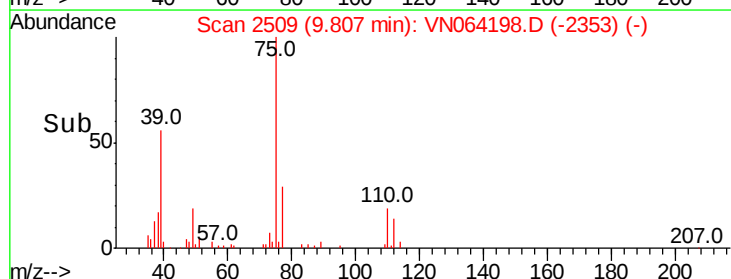
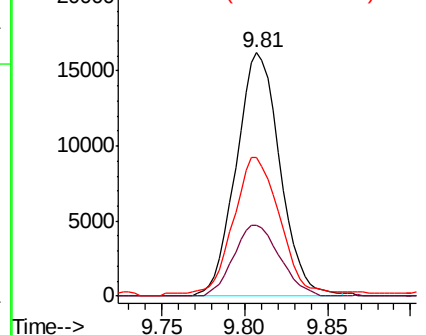
39 55.6 43.8 65.8

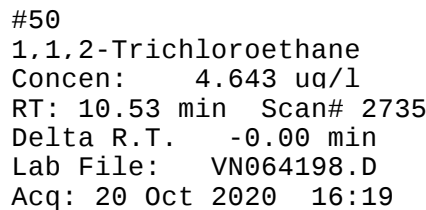


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

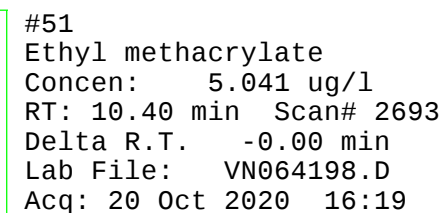
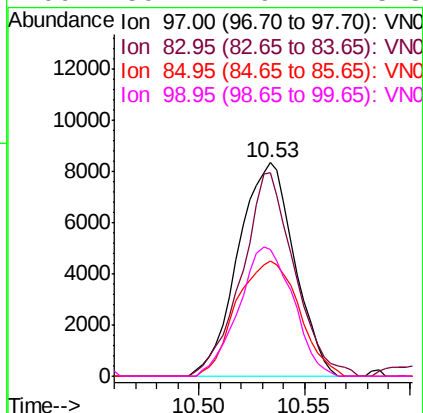
Ion 39.00 (38.70 to 39.70): VN0



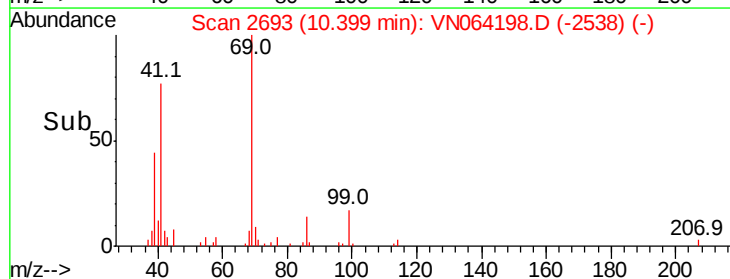
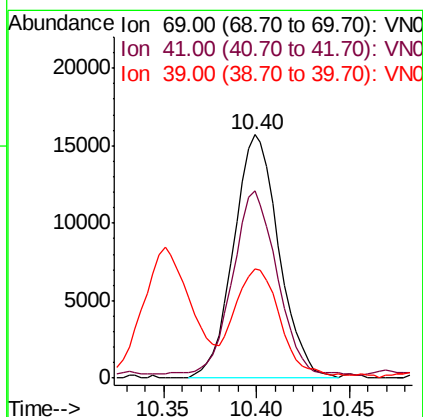


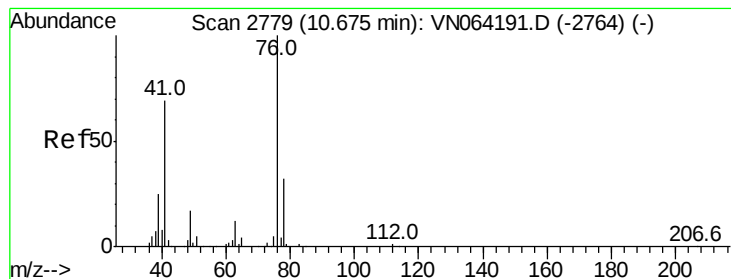
Instrument : MSVOA_N
ClientSampleId :

Tat	Ion: 97	Resp:	15465
Ion	Ratio	Lower	Upper
97	100		
83	95.3	67.7	101.5
85	53.8	43.2	64.8
99	59.2	49.2	73.8



Tgt	Ion: 69	Resp:	26549
Ion	Ratio	Lower	Upper
69	100		
41	74.9	38.0	114.1
39	43.3	21.4	64.3





#52

1,3-Dichloropropane

Concen: 4.863 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

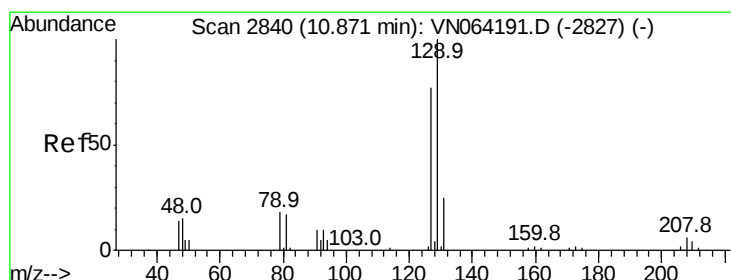
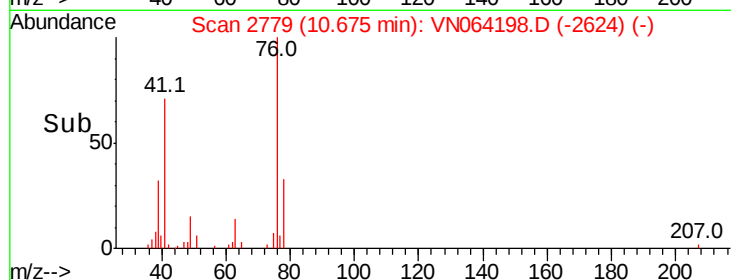
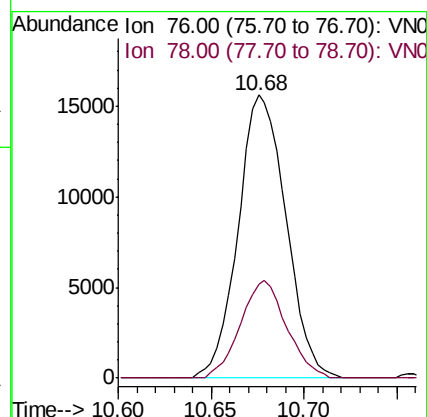
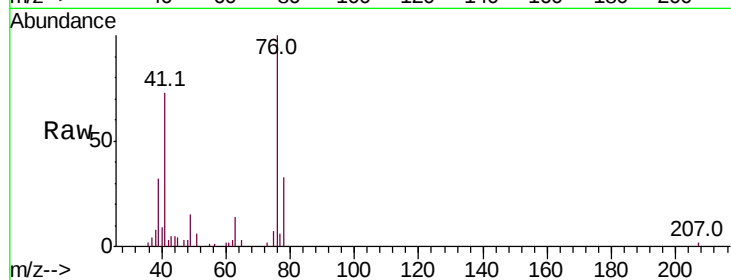
ClientSampleId :

Tot Ion: 76 Resp: 27923

Ion Ratio Lower Upper

76 100

78 33.3 0.0 64.4



#53

Dibromochloromethane

Concen: 4.784 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064198.D

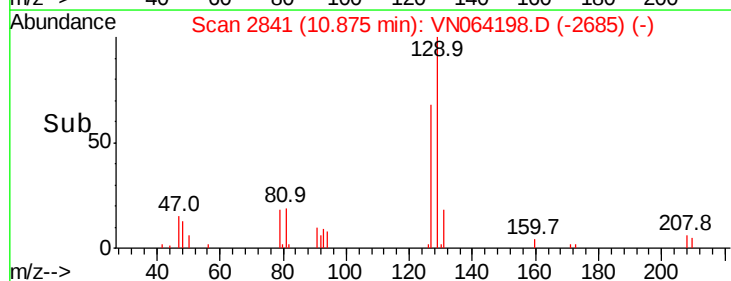
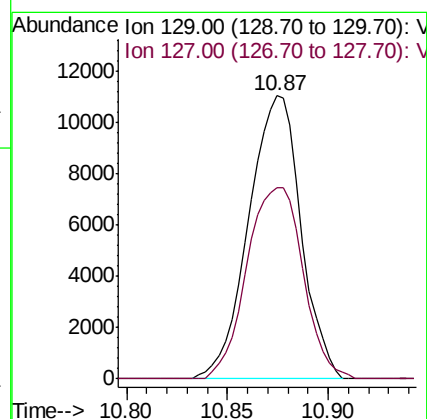
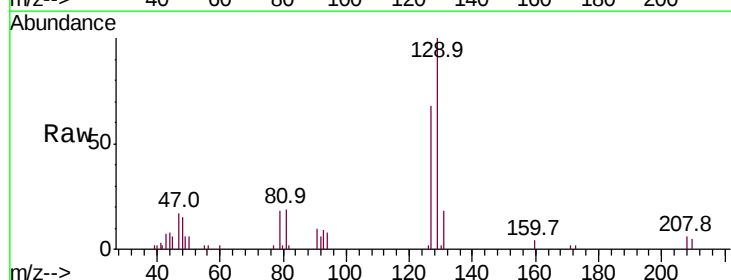
Acq: 20 Oct 2020 16:19

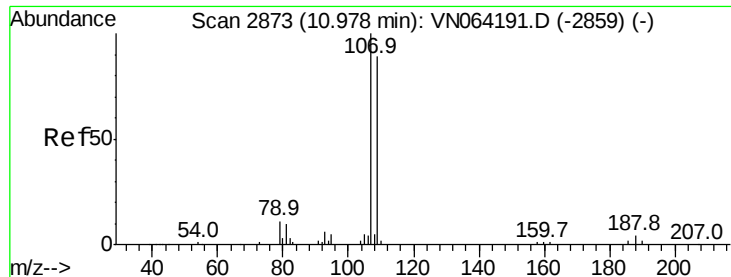
Tgt Ion: 129 Resp: 20054

Ion Ratio Lower Upper

129 100

127 72.7 39.0 117.0

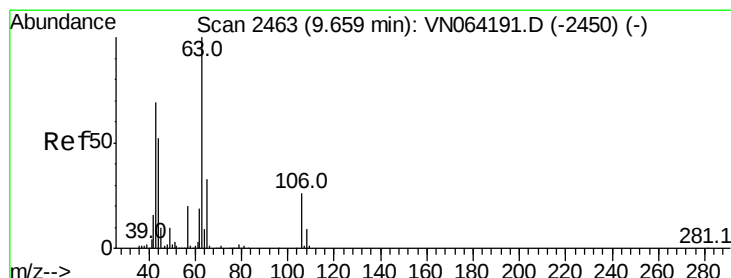
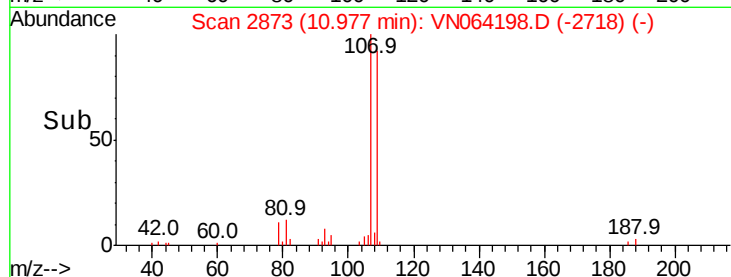
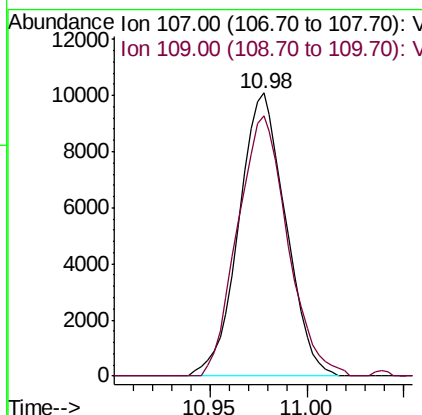
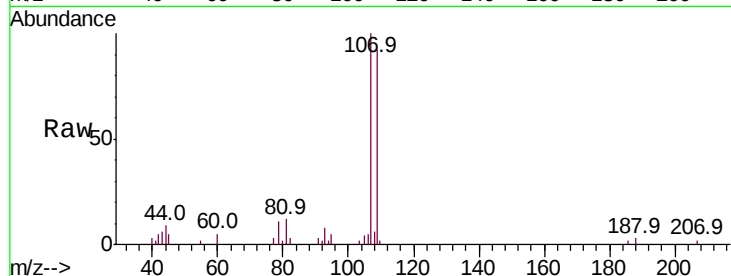




#54
 1,2-Dibromoethane
 Concen: 4.809 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

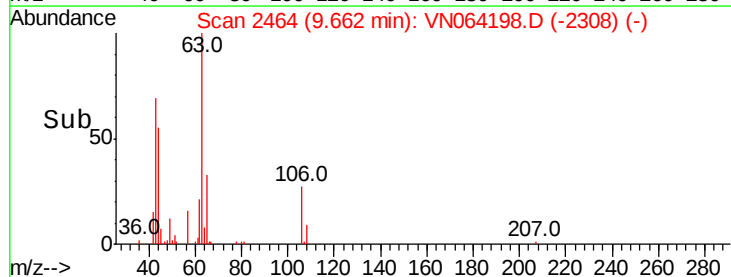
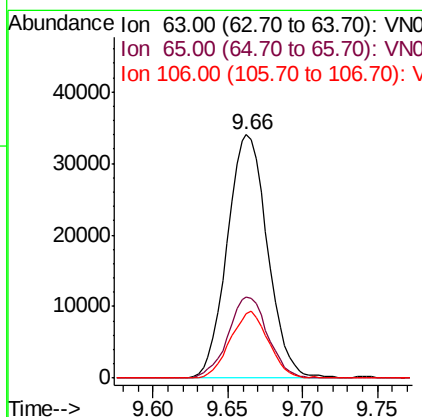
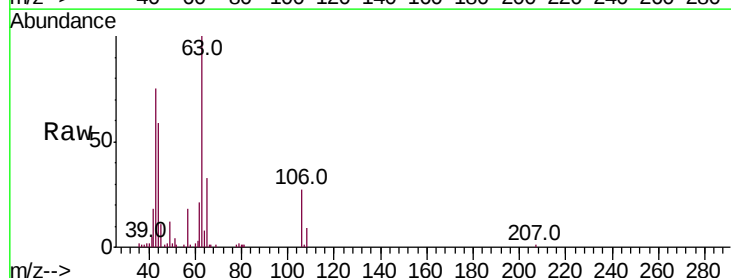
Instrument :
 MSVOA_N
 ClientSampleId :

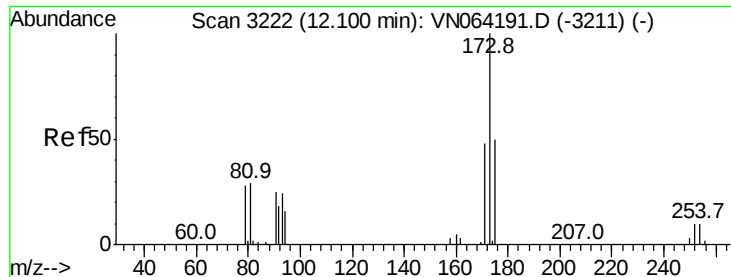
Tot Ion:107 Resp: 17026
 Ion Ratio Lower Upper
 107 100
 109 97.9 71.8 107.8



#55
 2-Chloroethyl vinyl ether
 Concen: 24.639 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion: 63 Resp: 63781
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.9 38.9
 106 25.8 21.4 32.2

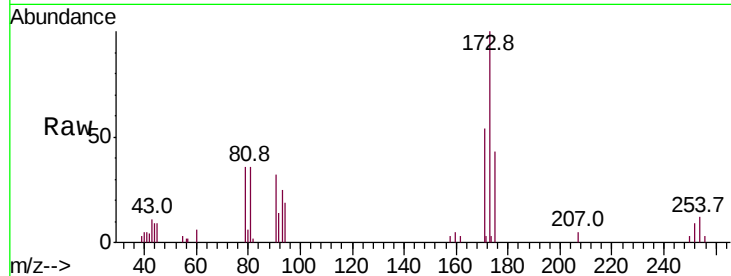




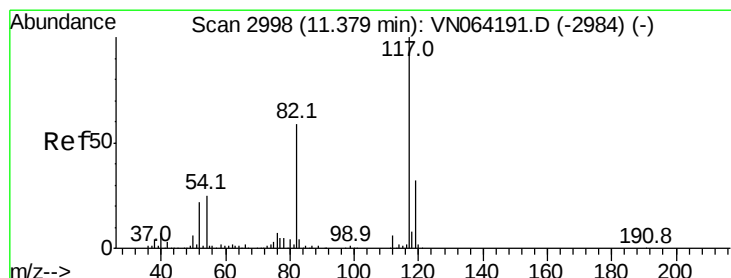
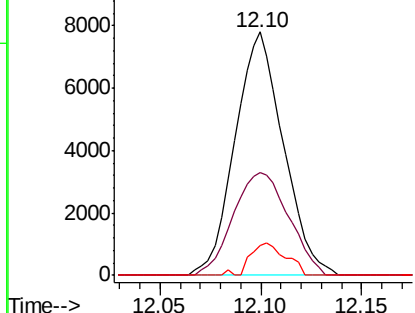
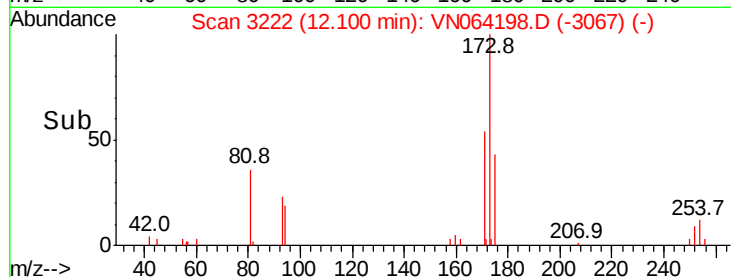
#56
Bromoform
Concen: 4.482 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 13084
Ion Ratio Lower Upper
173 100
175 48.2 39.0 58.4
254 9.5 6.8 10.2

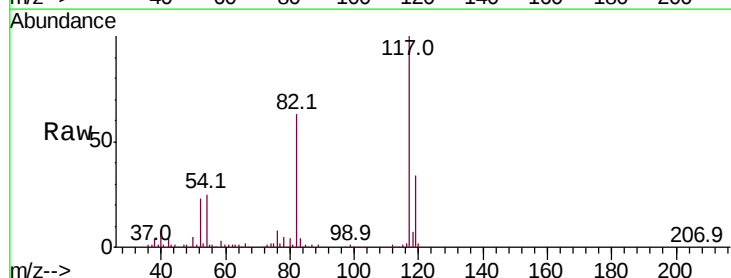


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

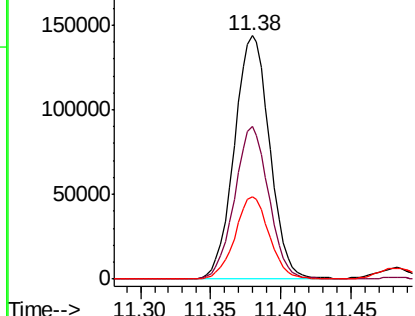
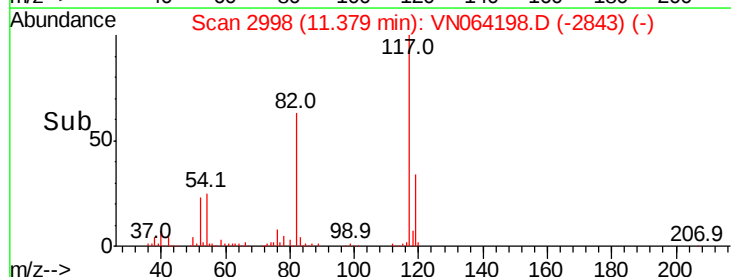


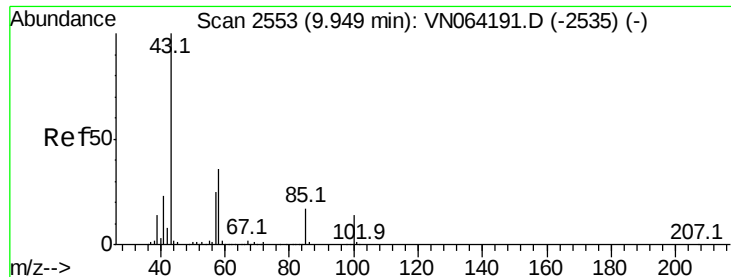
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion:117 Resp: 252109
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 32.9 25.7 38.5



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

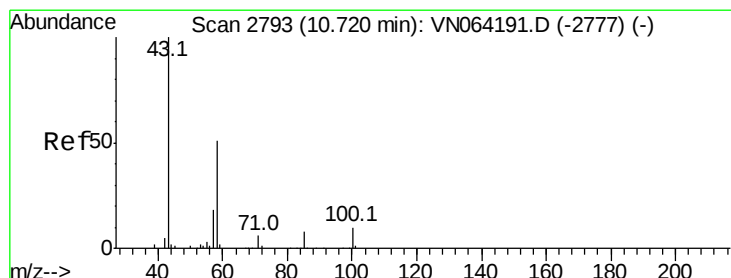
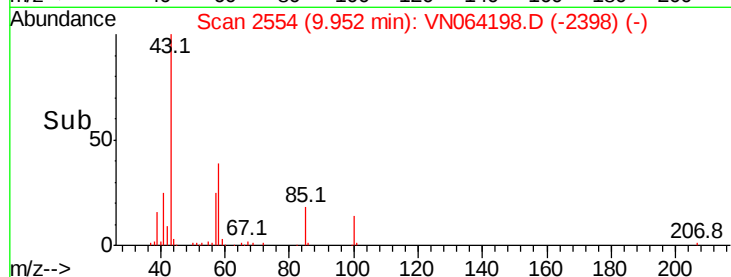
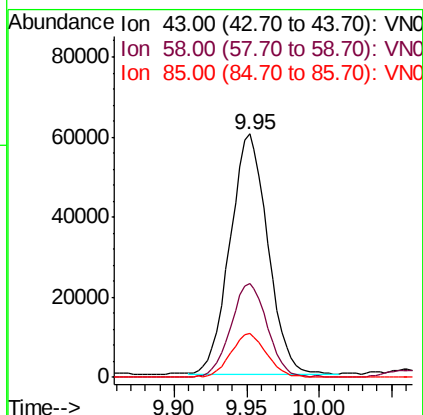
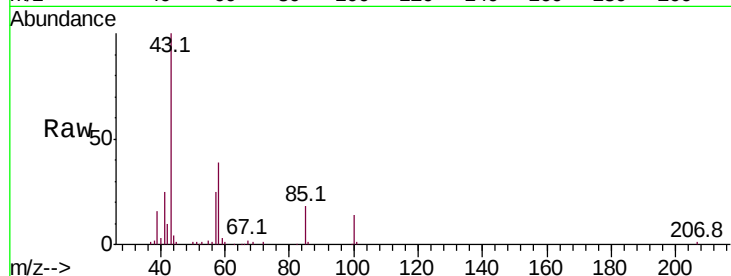




#58
 4-Methyl-2-Pentanone
 Concen: 25.363 ug/l
 RT: 9.95 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

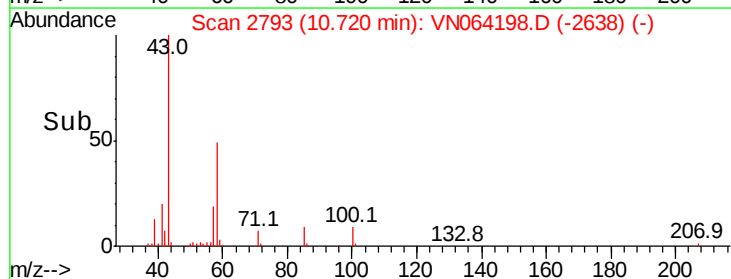
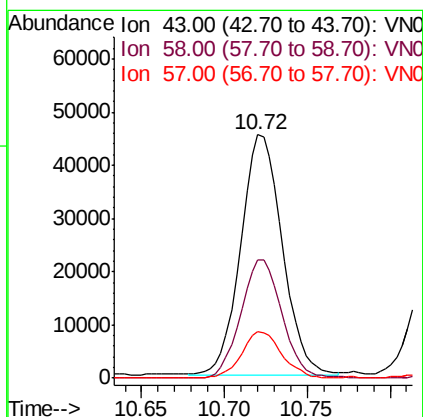
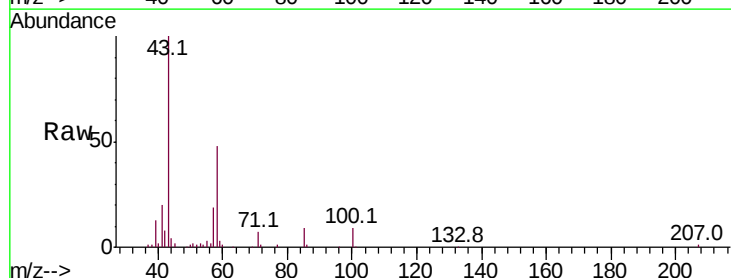
Instrument :
 MSVOA_N
 ClientSampleId :

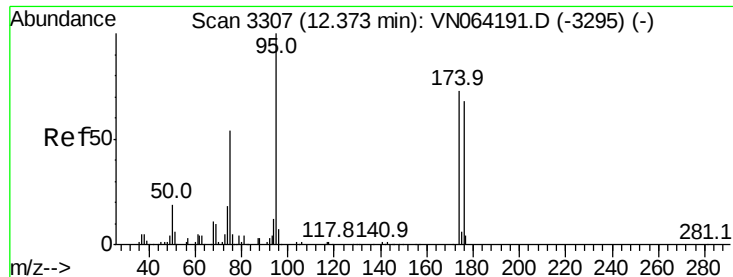
Tot Ion	Ratio	Lower	Upper
43	100		
58	37.8	29.5	44.3
85	17.2	13.7	20.5



#59
 2-Hexanone
 Concen: 24.672 ug/l
 RT: 10.72 min Scan# 2793
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.9	40.2	60.4
57	18.8	14.8	22.2

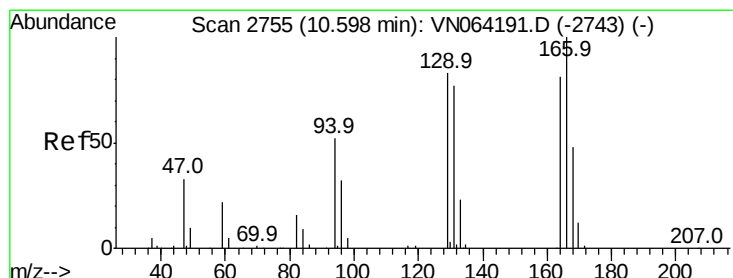
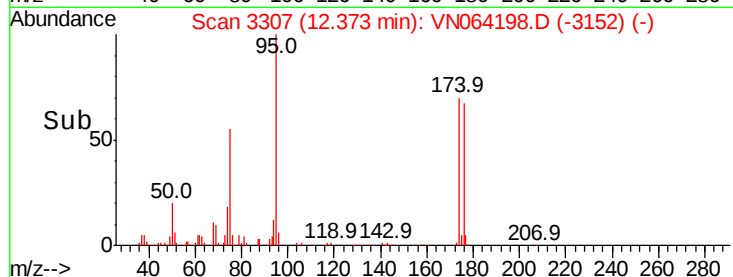
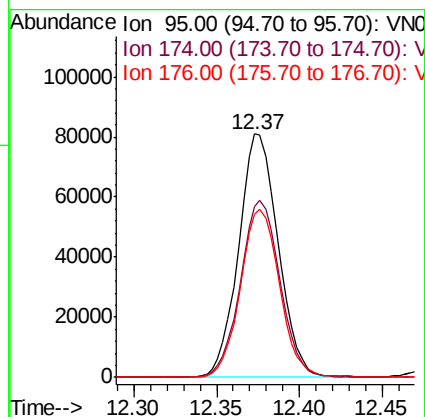
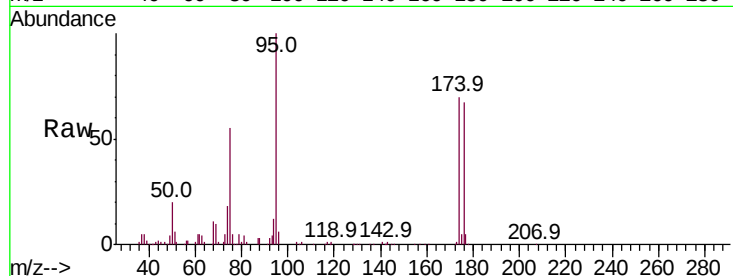




#60
4-Bromofluorobenzene
Concen: 29.765 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

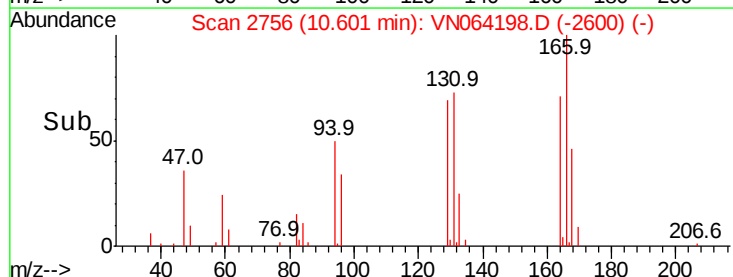
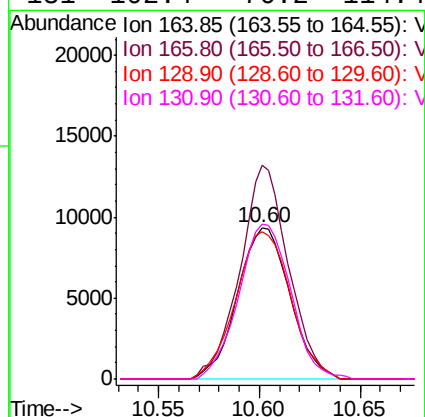
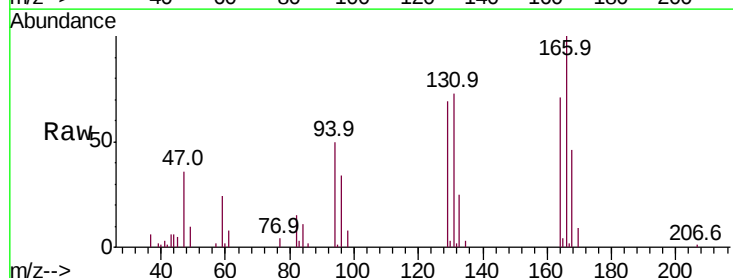
Instrument :
MSVOA_N
ClientSampled :

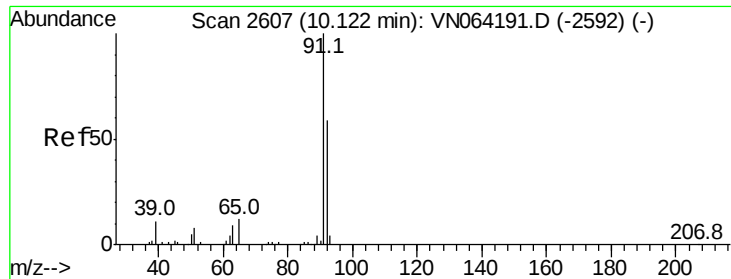
Tot Ion: 95 Resp: 134475
Ion Ratio Lower Upper
95 100
174 72.7 57.6 86.4
176 68.5 54.9 82.3



#61
Tetrachloroethene
Concen: 5.004 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion: 164 Resp: 17006
Ion Ratio Lower Upper
164 100
166 140.9 99.2 148.8
129 97.5 82.8 124.2
131 102.4 76.2 114.4





#62

Toluene

Concen: 4.861 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

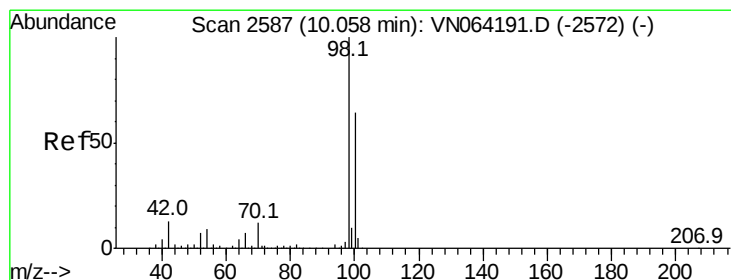
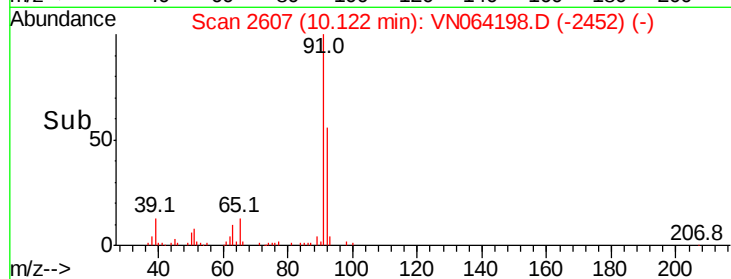
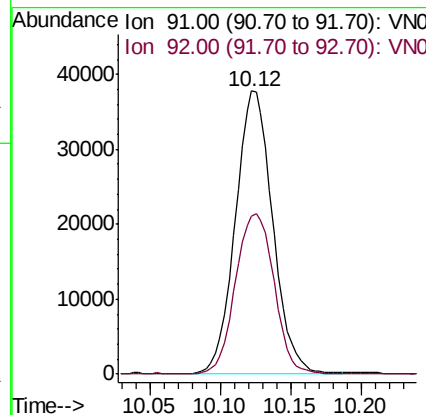
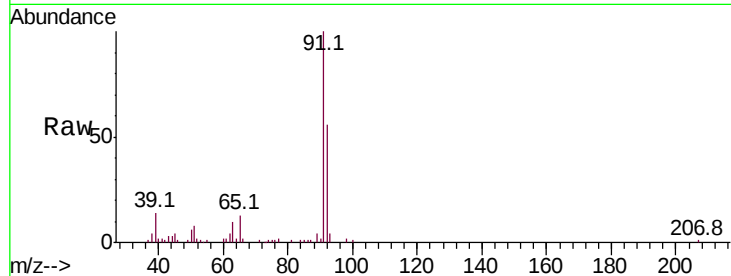
ClientSampleId :

Tot Ion: 91 Resp: 70068

Ion Ratio Lower Upper

91 100

92 58.6 46.8 70.2



#63

Toluene-d8

Concen: 29.988 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064198.D

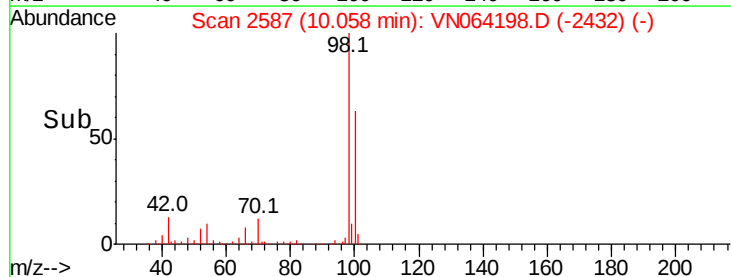
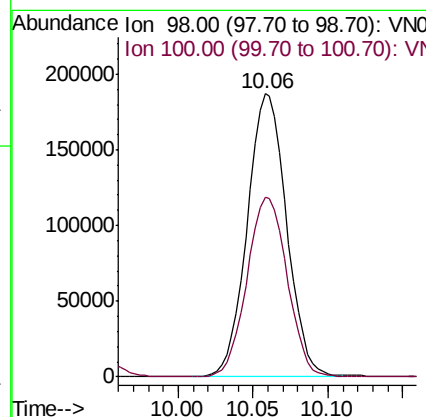
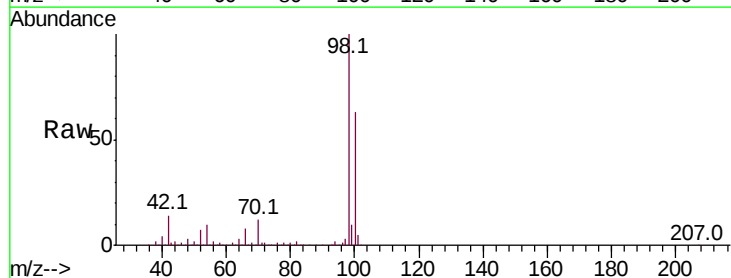
Acq: 20 Oct 2020 16:19

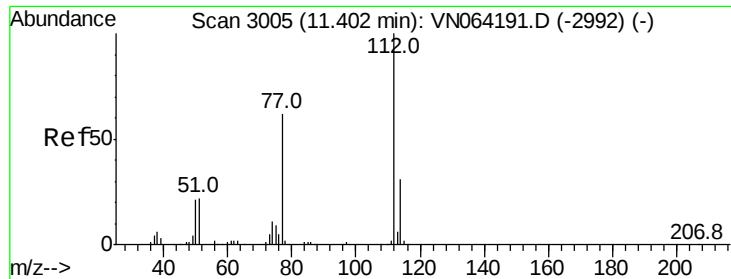
Tgt Ion: 98 Resp: 342282

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.2

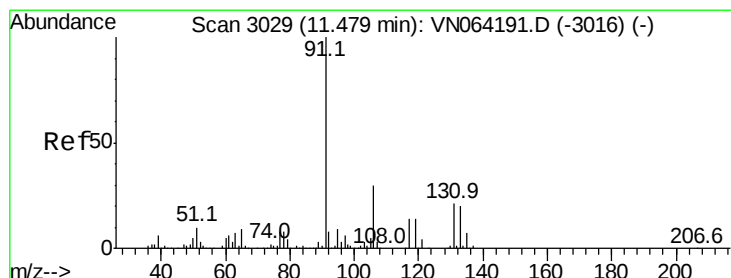
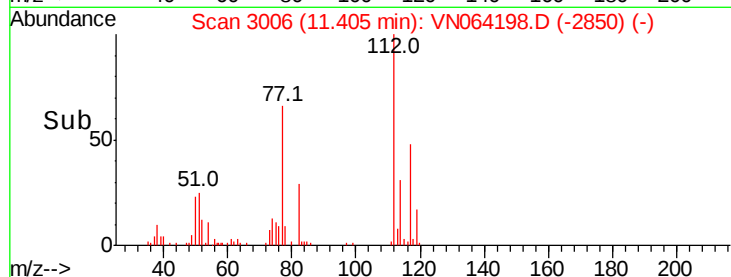
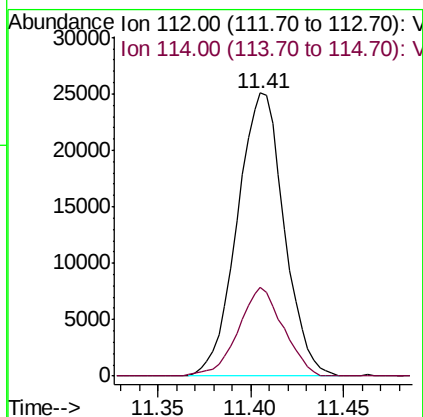
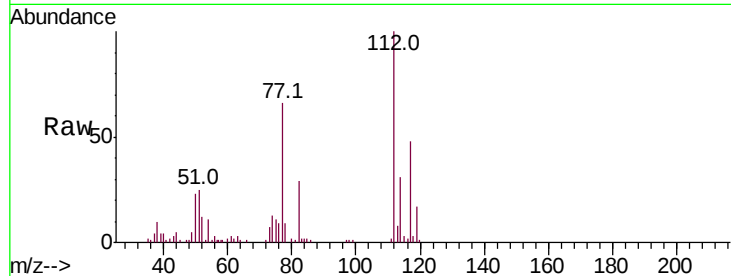




#64
Chlorobenzene
Concen: 4.918 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

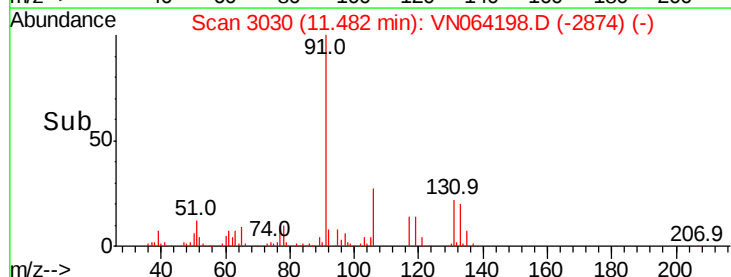
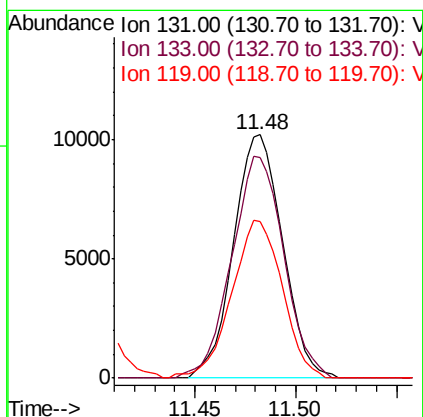
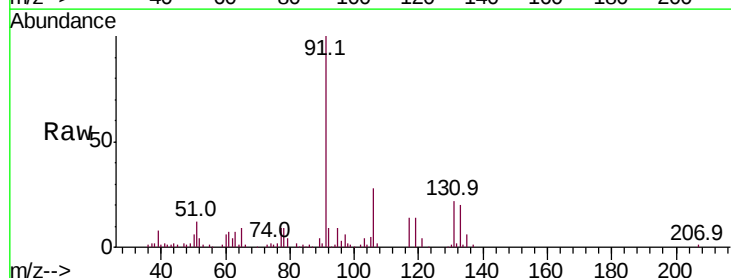
Instrument :
MSVOA_N
ClientSampleId :

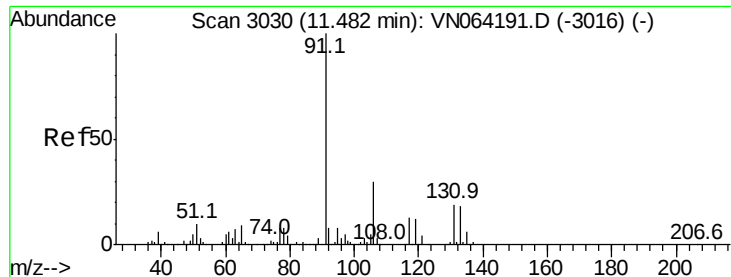
Tot Ion:112 Resp: 44138
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#65
1,1,1,2-Tetrachloroethane
Concen: 4.954 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion:131 Resp: 17421
Ion Ratio Lower Upper
131 100
133 96.3 0.0 193.0
119 66.3 0.0 132.2





#66

Ethyl Benzene

Concen: 4.864 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

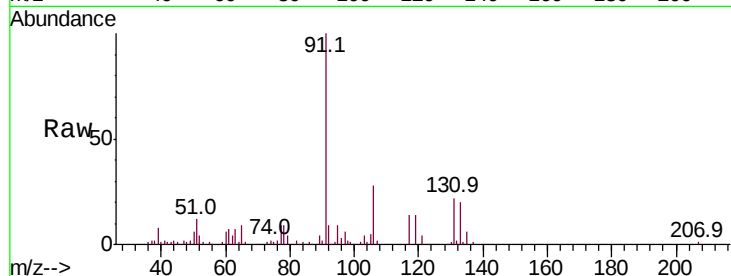
ClientSampled :

Tot Ion: 91 Resp: 80605

Ion Ratio Lower Upper

91 100

106 27.6 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN064198.D (-3016) (-)

Ion 106.00 (105.70 to 106.70): VN064198.D (-3016) (-)

11.48

50000

40000

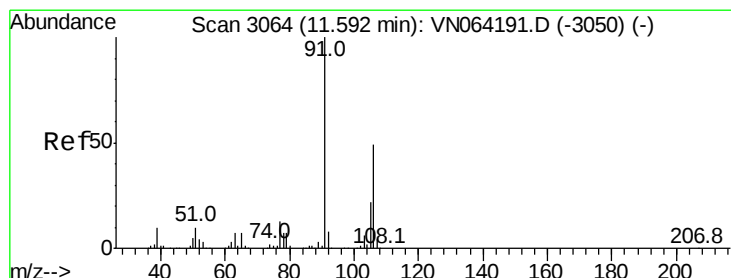
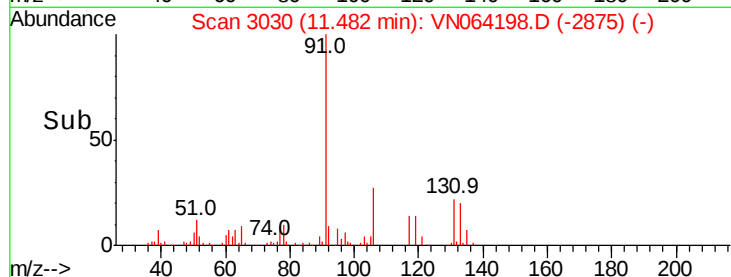
30000

20000

10000

0

Time--> 11.40 11.45 11.50 11.55



#67

m/p-Xylenes

Concen: 9.394 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN064198.D

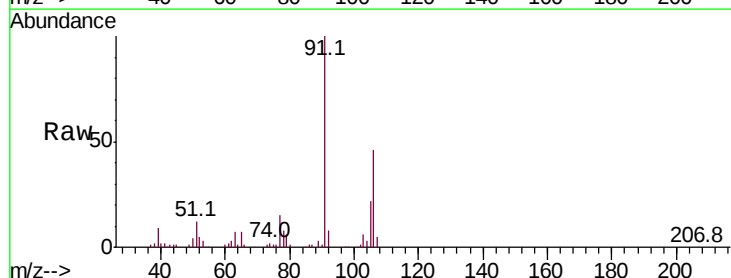
Acq: 20 Oct 2020 16:19

Tgt Ion: 106 Resp: 57890

Ion Ratio Lower Upper

106 100

91 217.0 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN064198.D (-3050) (-)

Ion 91.00 (90.70 to 91.70): VN064198.D (-3050) (-)

11.59

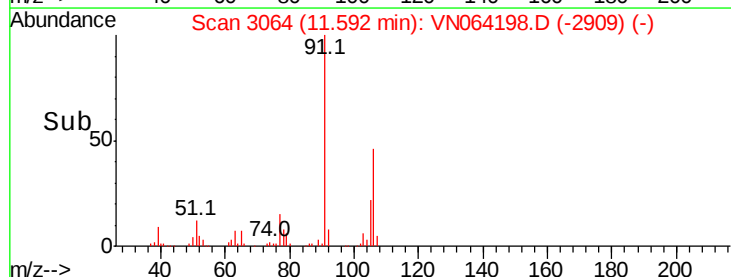
60000

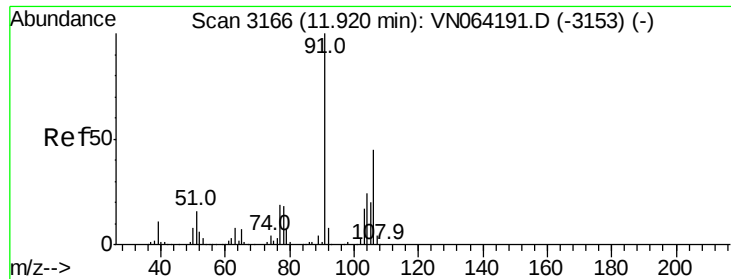
40000

20000

0

Time--> 11.55 11.60 11.65

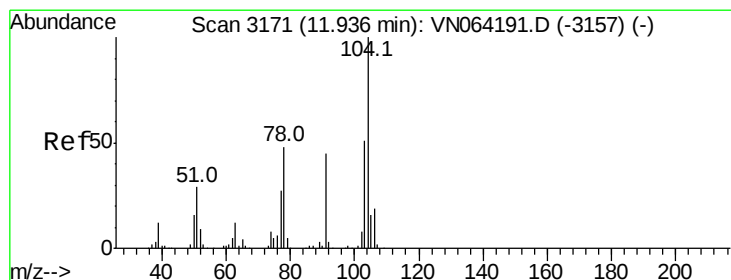
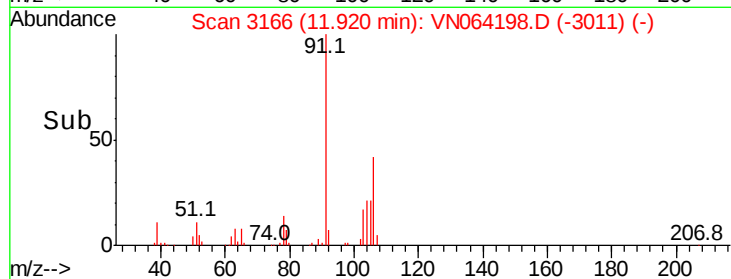
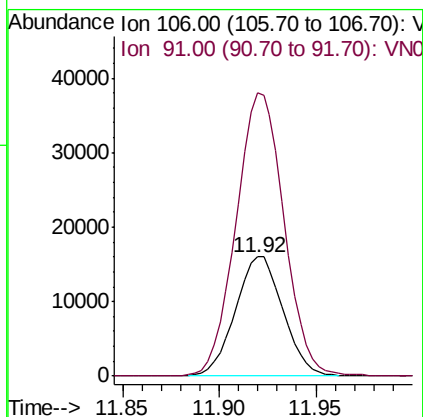
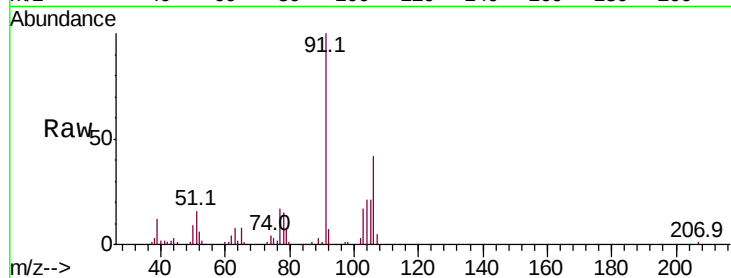




#68
o-Xylene
Concen: 4.597 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

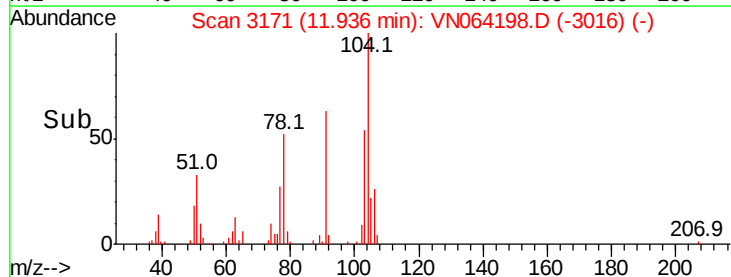
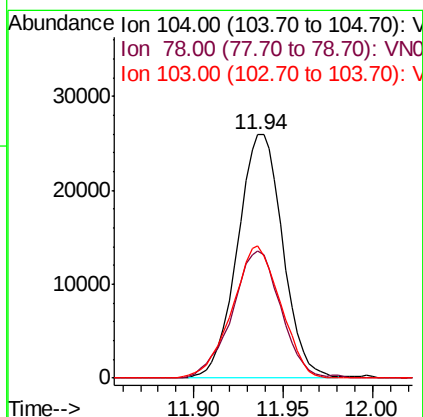
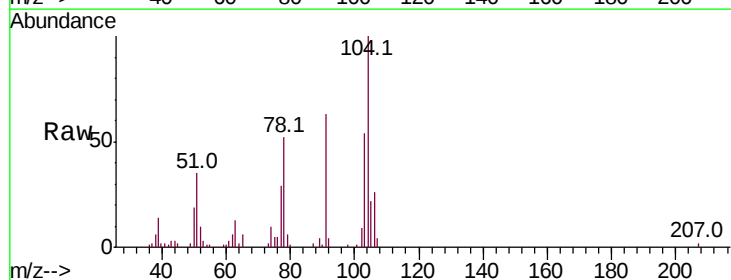
Instrument :
MSVOA_N
ClientSampleId :

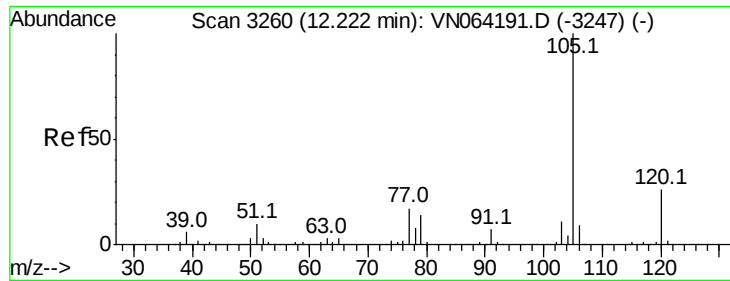
Tot Ion:106 Resp: 27491
Ion Ratio Lower Upper
106 100
91 238.3 113.9 341.7



#69
Styrene
Concen: 4.559 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion:104 Resp: 46126
Ion Ratio Lower Upper
104 100
78 55.5 43.6 65.4
103 57.8 44.8 67.2





#70

Isopropylbenzene

Concen: 4.870 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

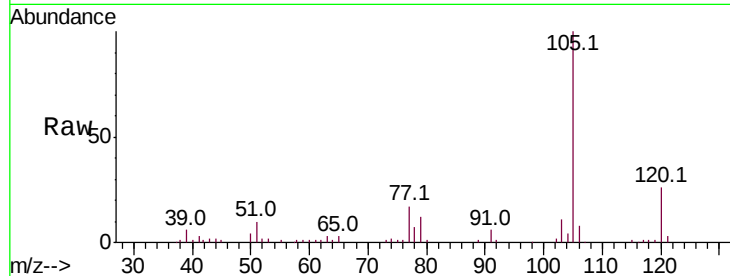
ClientSampled :

Tot Ion:105 Resp: 76920

Ion Ratio Lower Upper

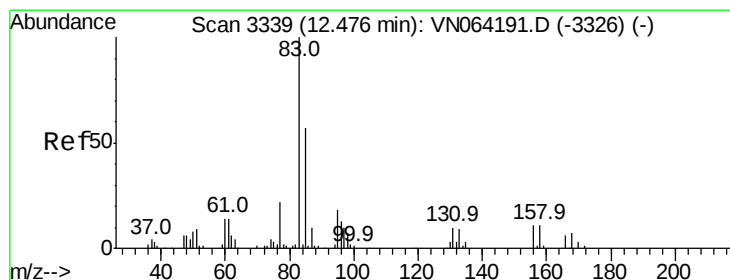
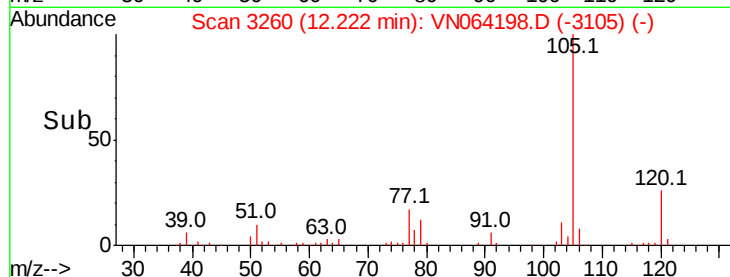
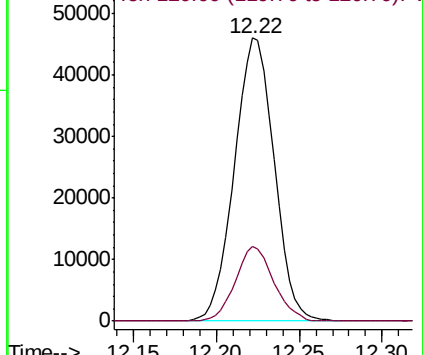
105 100

120 25.5 18.1 33.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#71

1,1,2,2-Tetrachloroethane

Concen: 4.937 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

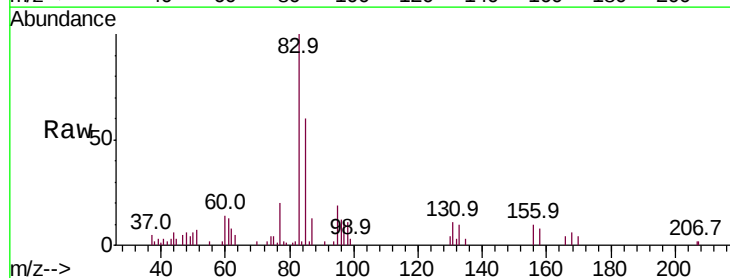
Tgt Ion: 83 Resp: 21369

Ion Ratio Lower Upper

83 100

131 5.1 5.5 16.4#

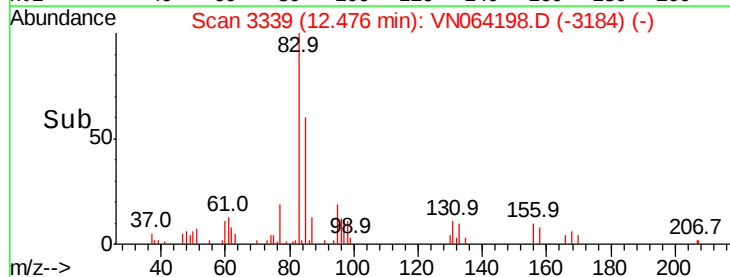
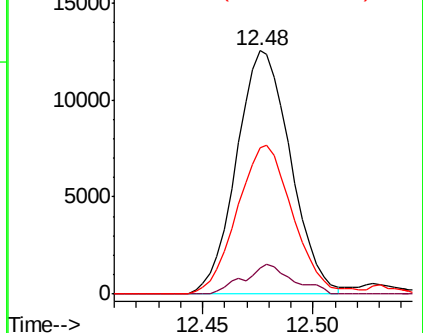
85 62.3 30.8 92.4

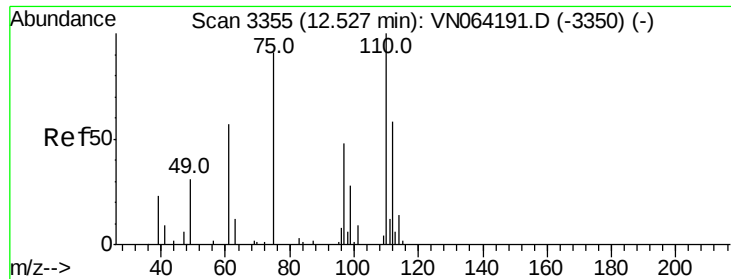


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VN0





#72

1,2,3-Trichloropropane

Concen: 7.103 ug/l

RT: 12.53 min Scan# 3355

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

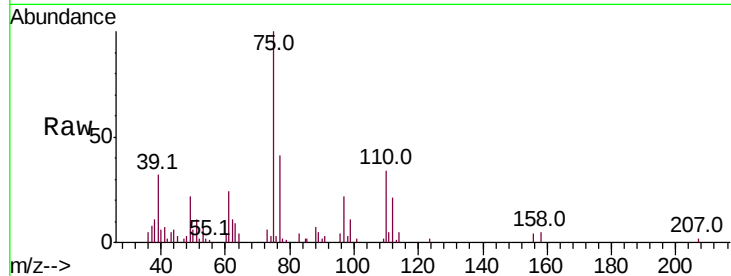
ClientSampleId :

Tot Ion: 75 Resp: 32079

Ion Ratio Lower Upper

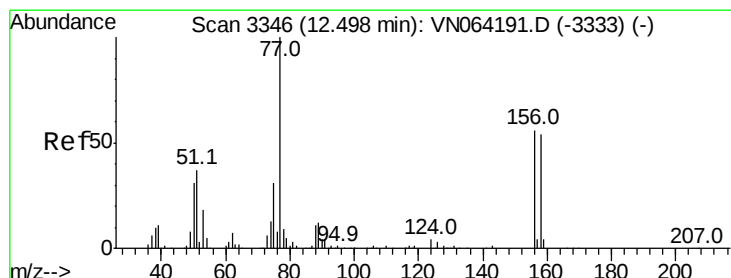
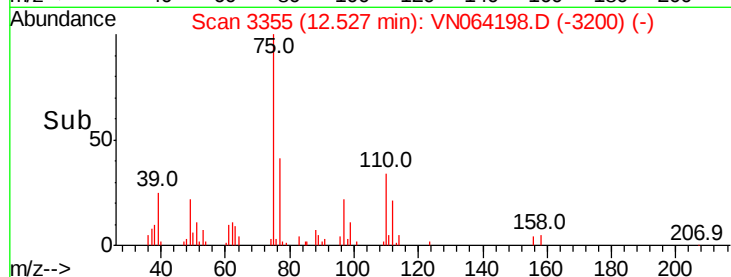
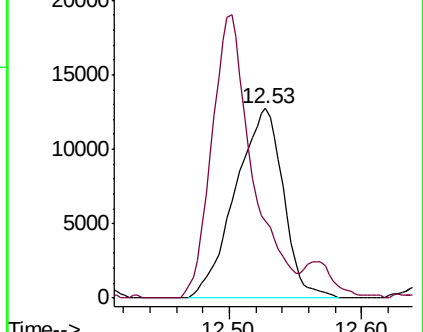
75 100

77 127.0 0.0 417.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#73

Bromobenzene

Concen: 4.550 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

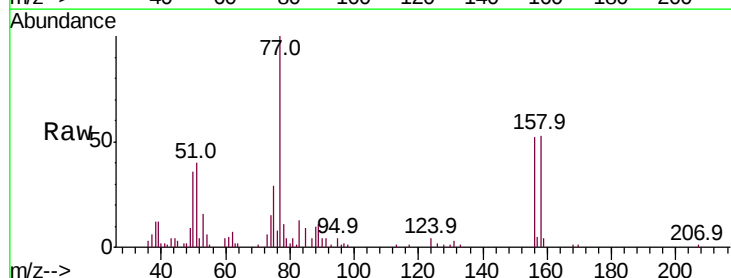
Tgt Ion: 156 Resp: 17331

Ion Ratio Lower Upper

156 100

77 235.1 0.0 429.8

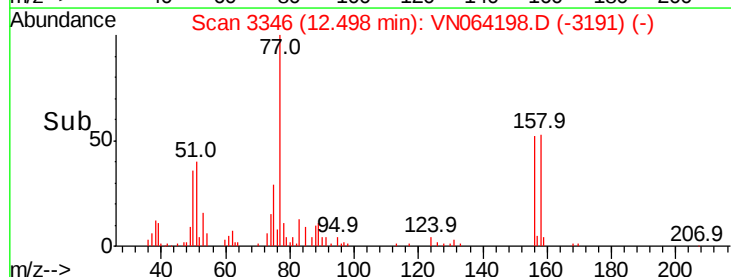
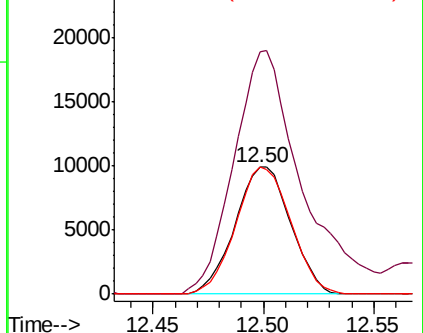
158 98.8 0.0 190.6

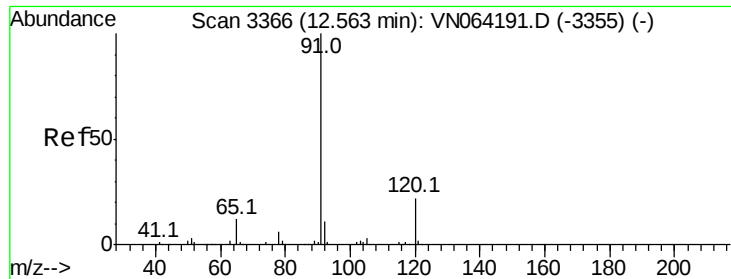


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V





#74

n-propylbenzene

Concen: 4.655 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

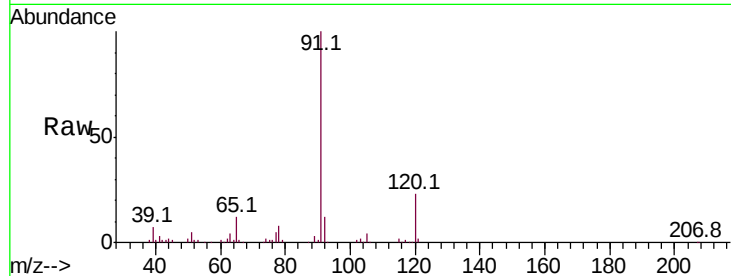
ClientSampleId :

Tot Ion: 91 Resp: 83917

Ion Ratio Lower Upper

91 100

120 22.4 0.0 43.8

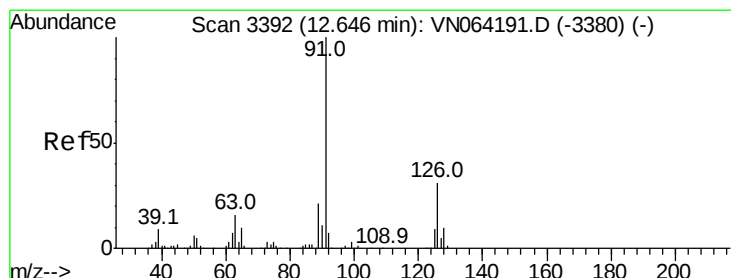
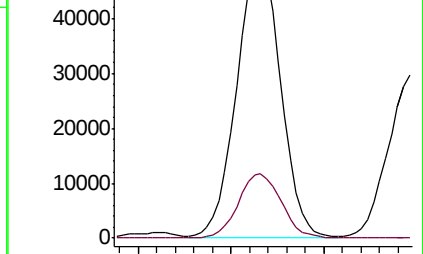
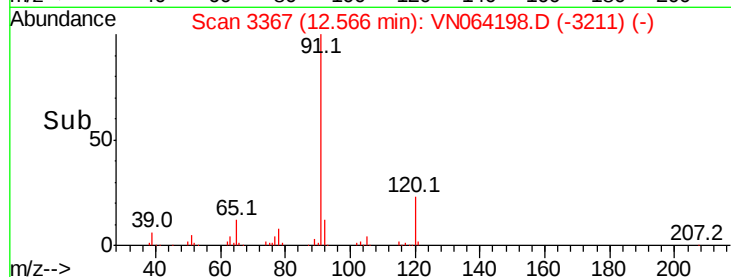


Abundance Ion 91.00 (90.70 to 91.70): VN064198.D (-3366) (-)

Ion 120.00 (119.70 to 120.70): VN064198.D (-3366) (-)

12.57

Time-->



#75

2-Chlorotoluene

Concen: 4.896 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064198.D

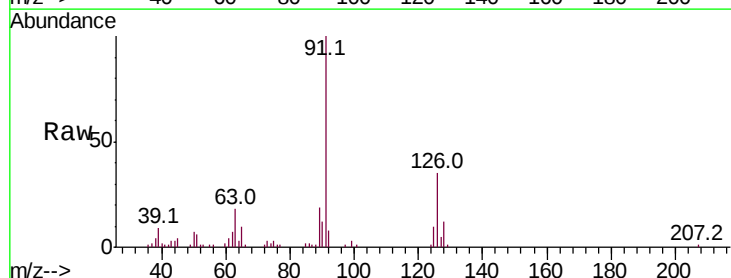
Acq: 20 Oct 2020 16:19

Tgt Ion: 91 Resp: 54634

Ion Ratio Lower Upper

91 100

126 33.3 0.0 62.4

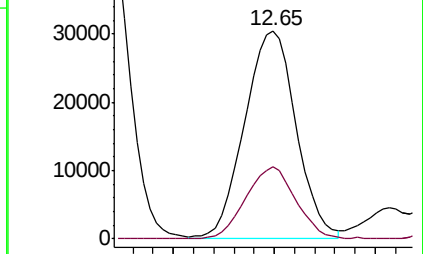
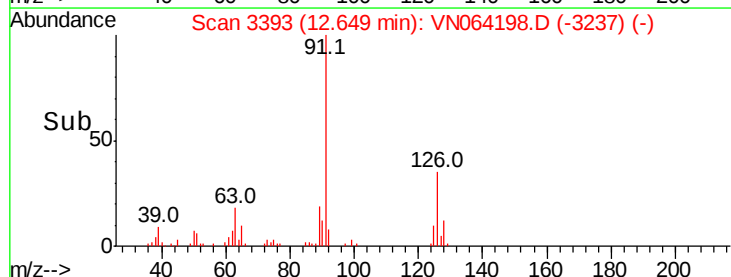


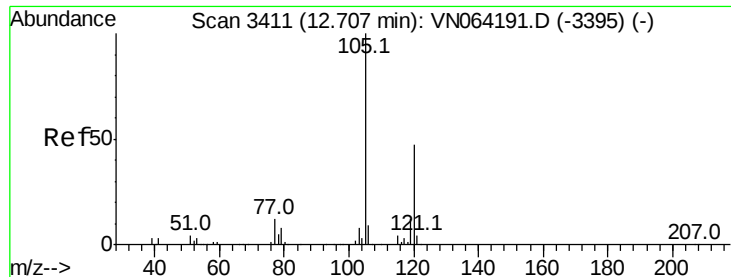
Abundance Ion 91.00 (90.70 to 91.70): VN064198.D (-3392) (-)

Ion 126.00 (125.70 to 126.70): VN064198.D (-3392) (-)

12.65

Time-->





#76

1,3,5-Trimethylbenzene

Concen: 4.730 ug/l

RT: 12.70 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

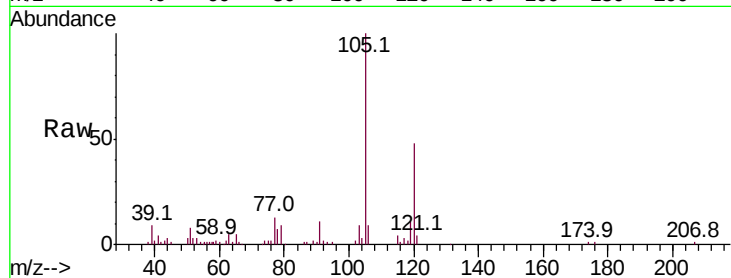
ClientSampled :

Tot Ion:105 Resp: 63565

Ion Ratio Lower Upper

105 100

120 46.5 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.70

40000

30000

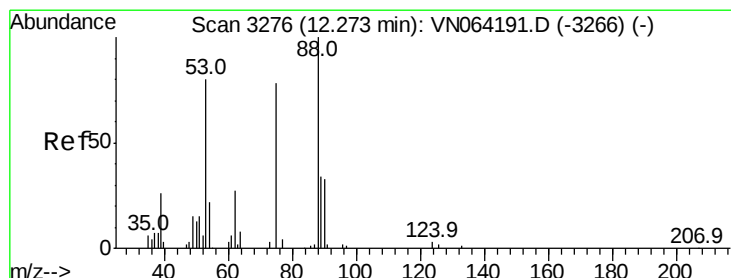
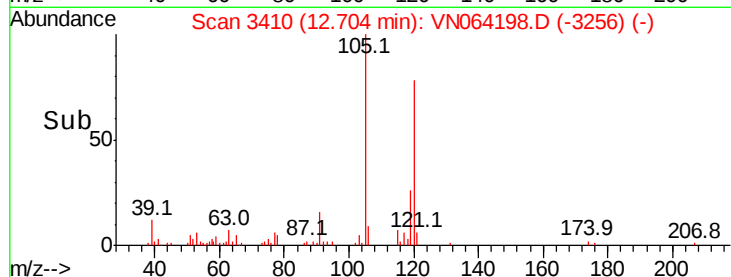
20000

10000

0

Time-->

12.65 12.70 12.75



#77

t-1,4-Dichloro-2-butene

Concen: 4.840 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

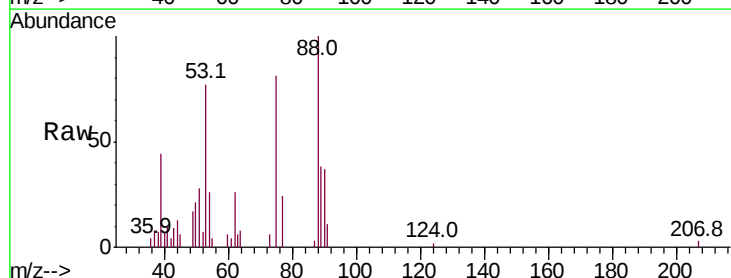
Tgt Ion: 75 Resp: 8546

Ion Ratio Lower Upper

75 100

53 95.0 51.4 154.2

89 46.7 23.8 71.5



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V

12.27

6000

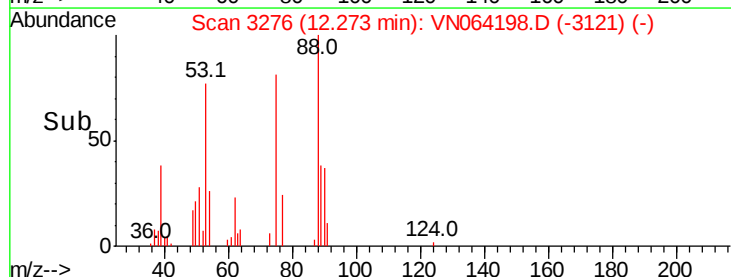
4000

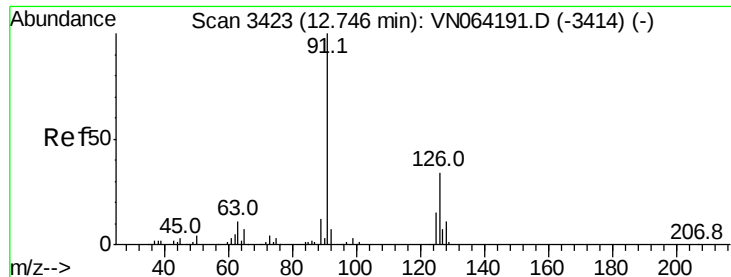
2000

0

Time-->

12.25 12.30





#78

4-Chlorotoluene

Concen: 4.761 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

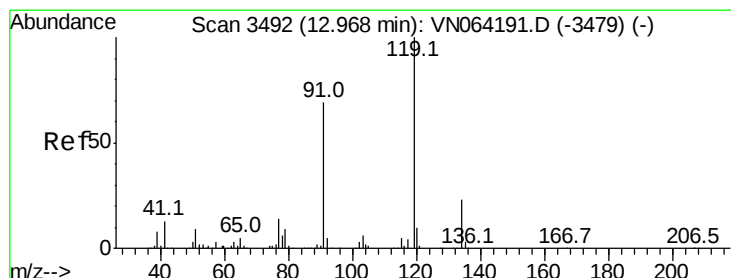
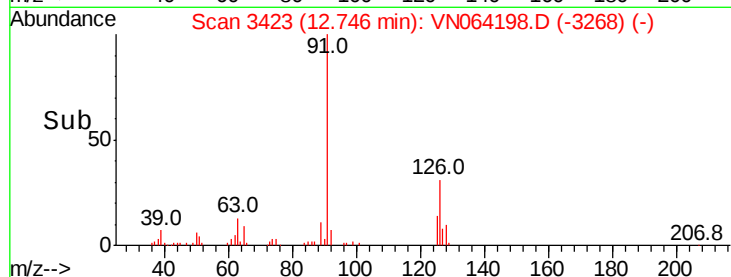
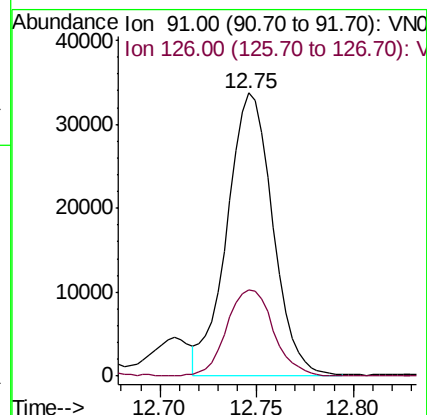
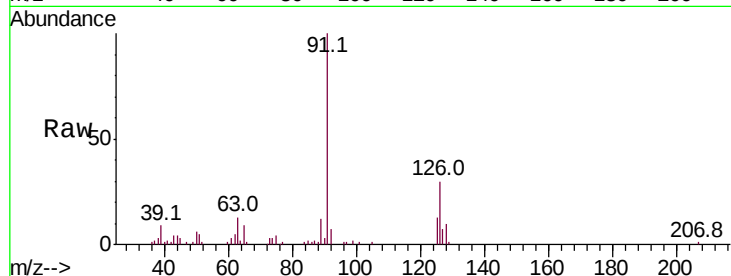
ClientSampleId :

Tot Ion: 91 Resp: 55574

Ion Ratio Lower Upper

91 100

126 31.1 0.0 63.2



#79

tert-butylbenzene

Concen: 4.804 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

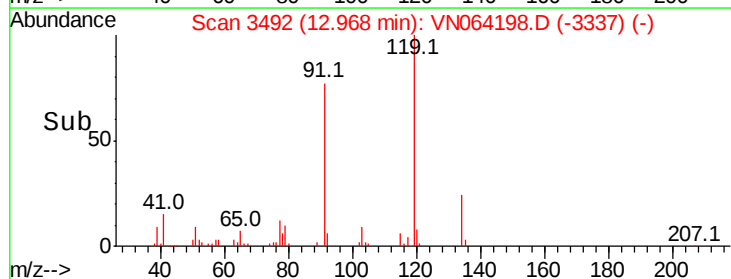
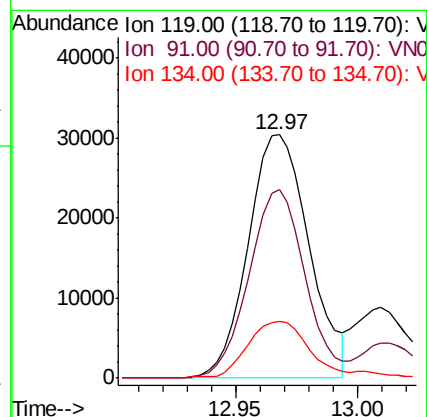
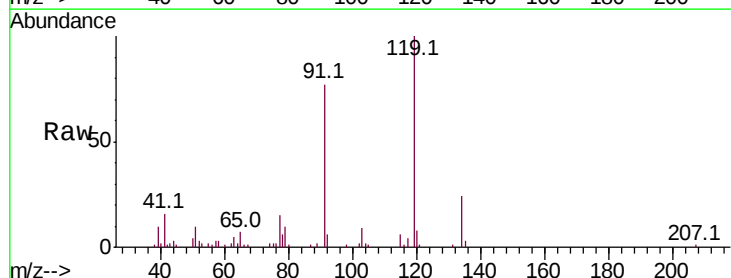
Tgt Ion: 119 Resp: 52780

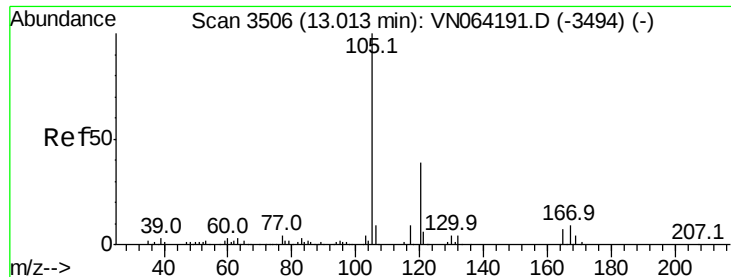
Ion Ratio Lower Upper

119 100

91 71.3 0.0 143.2

134 22.3 0.0 49.2





#80

1,2,4-Trimethylbenzene

Concen: 4.720 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

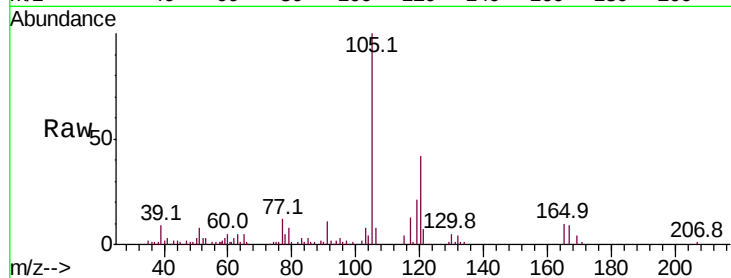
ClientSampled :

Tot Ion:105 Resp: 64398

Ion Ratio Lower Upper

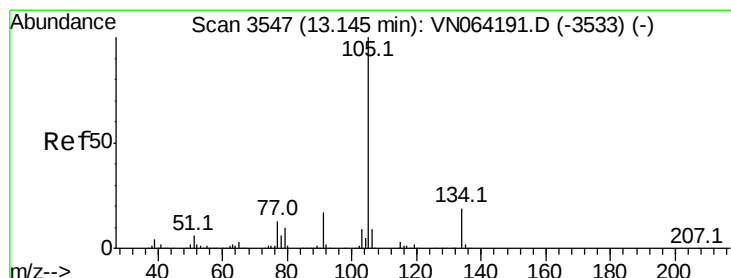
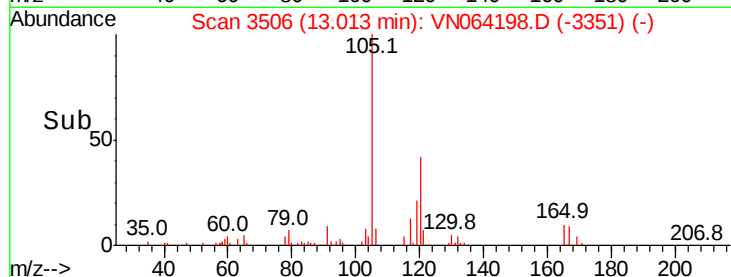
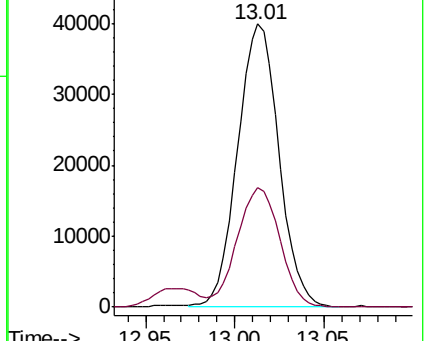
105 100

120 43.6 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

sec-Butylbenzene

Concen: 4.771 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064198.D

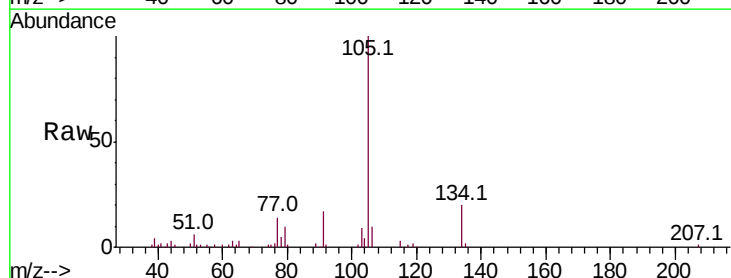
Acq: 20 Oct 2020 16:19

Tgt Ion:105 Resp: 68206

Ion Ratio Lower Upper

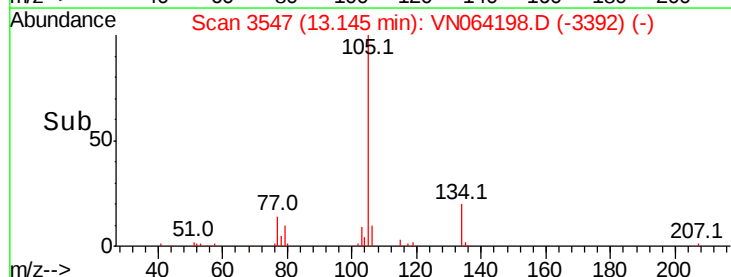
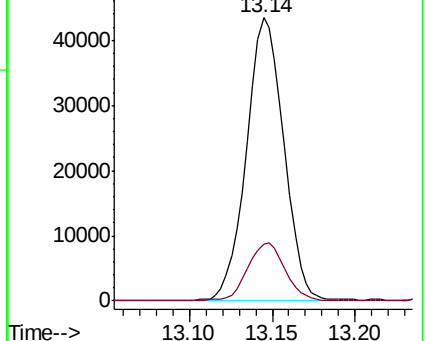
105 100

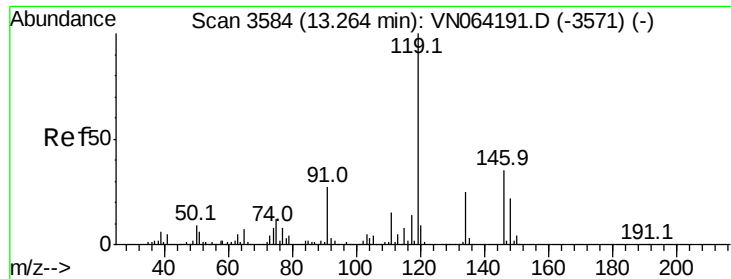
134 20.4 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

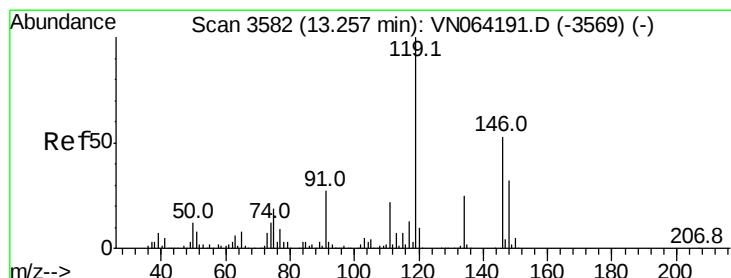
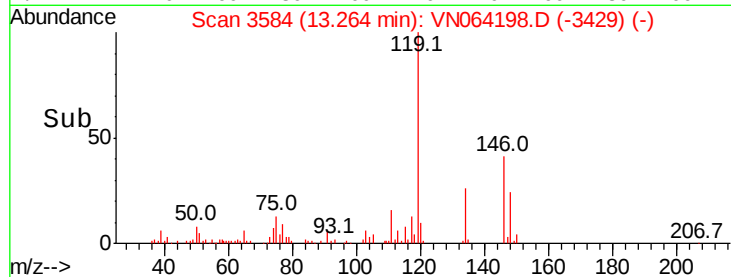
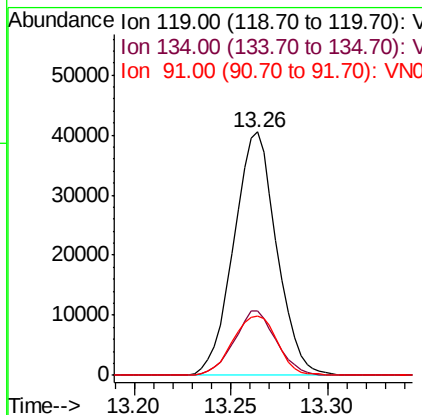
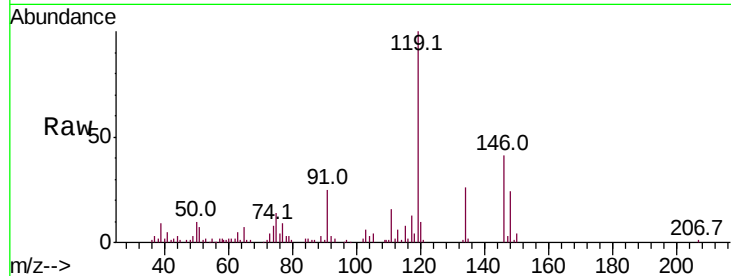




#82
p-Isopropyltoluene
Concen: 4.716 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

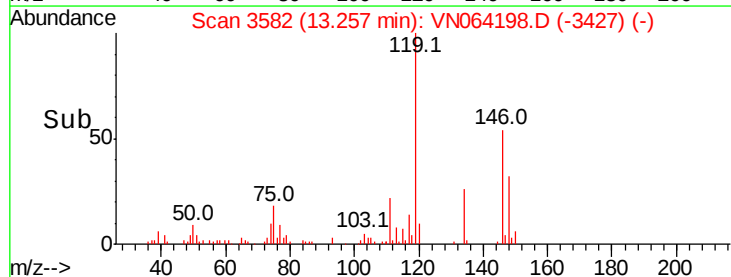
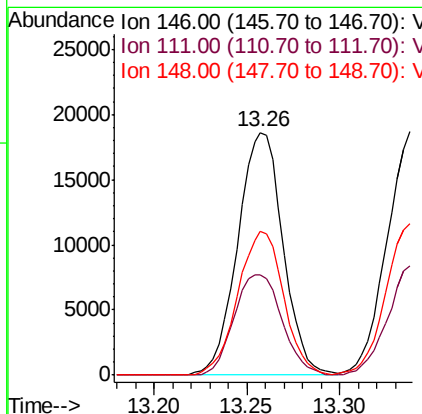
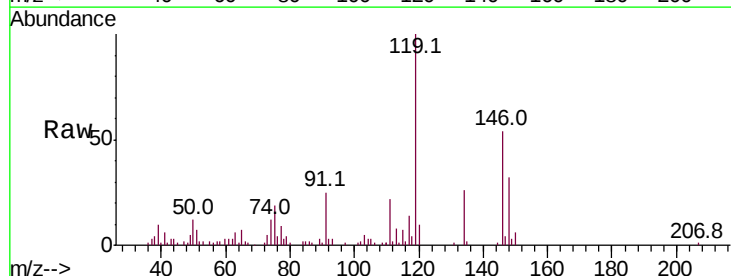
Instrument :
MSVOA_N
ClientSampled :

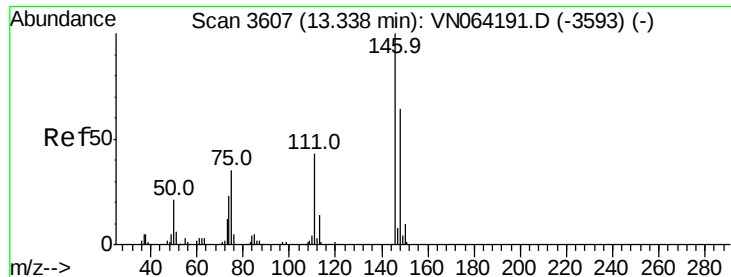
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	0.0	51.4
91	25.5	0.0	52.8



#83
1,3-Dichlorobenzene
Concen: 4.627 ug/l
RT: 13.26 min Scan# 3582
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.8	65.4
148	60.1	31.4	94.2





#84

1,4-Dichlorobenzene

Concen: 4.502 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

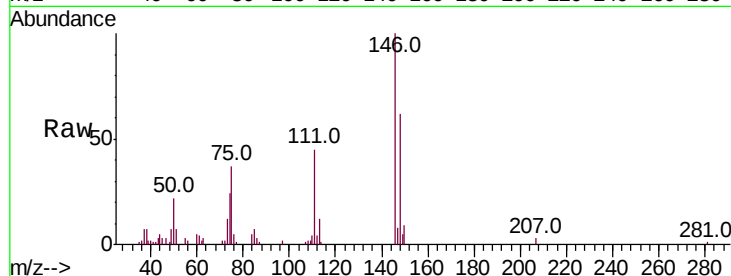
Tot Ion:146 Resp: 30771

Ion Ratio Lower Upper

146 100

111 43.6 20.9 62.8

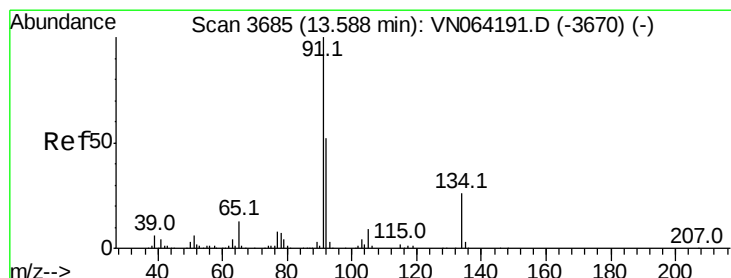
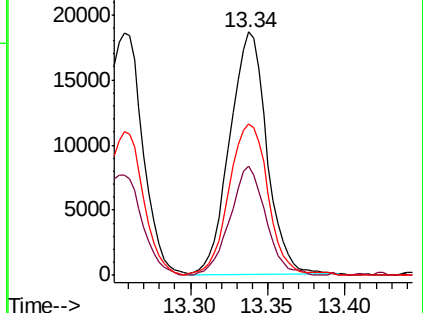
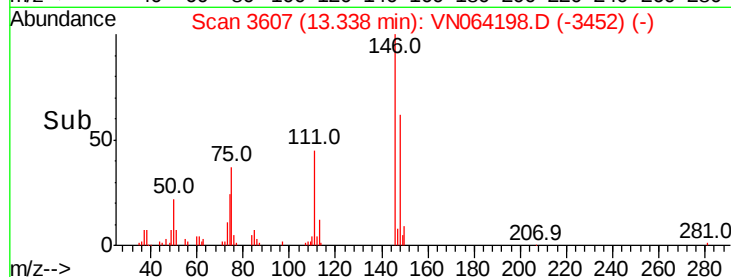
148 66.2 30.9 92.7



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: 4.321 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

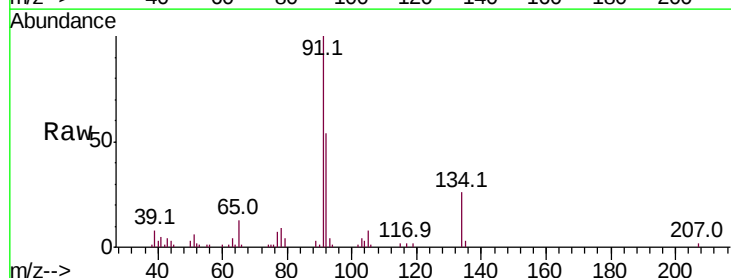
Tgt Ion: 91 Resp: 50756

Ion Ratio Lower Upper

91 100

92 51.9 0.0 104.8

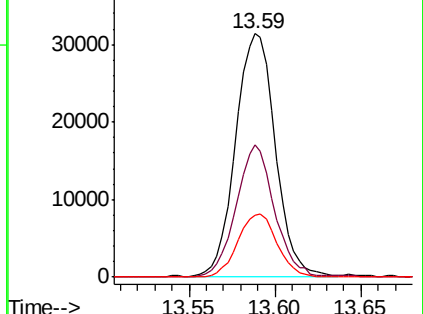
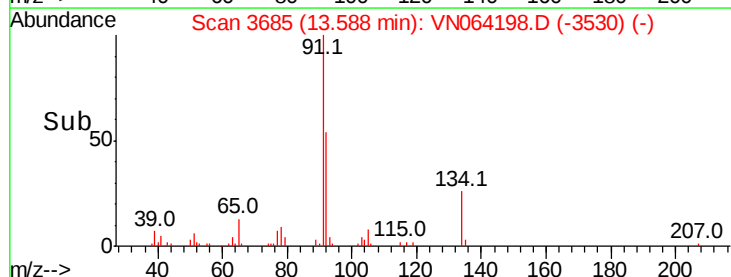
134 25.3 0.0 49.8

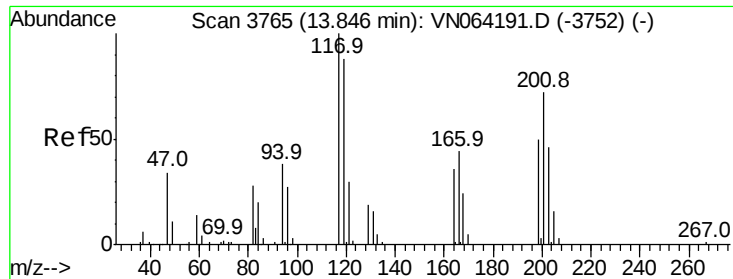


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 4.576 ug/l

RT: 13.85 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

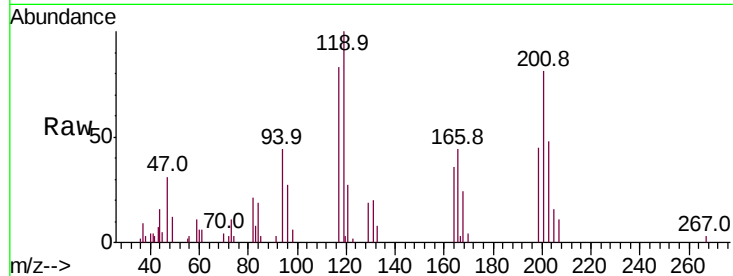
ClientSampleId :

Tot Ion:117 Resp: 10423

Ion Ratio Lower Upper

117 100

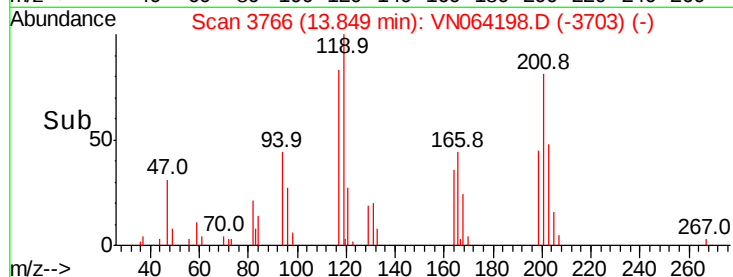
201 67.3 37.5 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.85

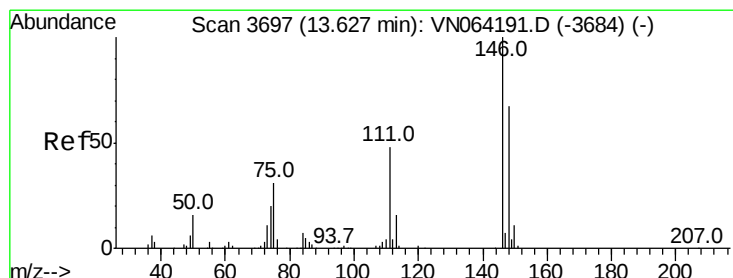


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

13.85

Time-->



#87

1,2-Dichlorobenzene

Concen: 4.631 ug/l

RT: 13.62 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

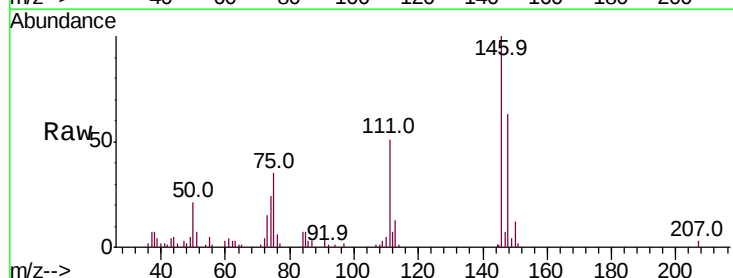
Tgt Ion:146 Resp: 30835

Ion Ratio Lower Upper

146 100

111 47.3 22.6 67.8

148 62.9 32.6 97.8

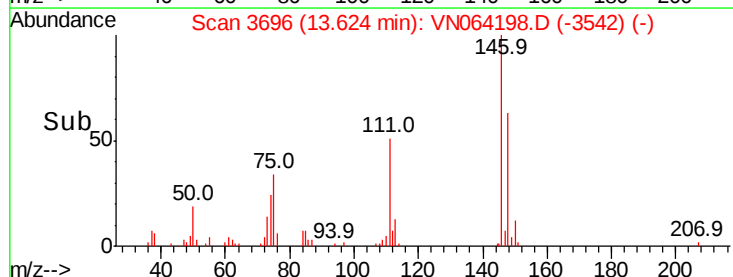


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.62



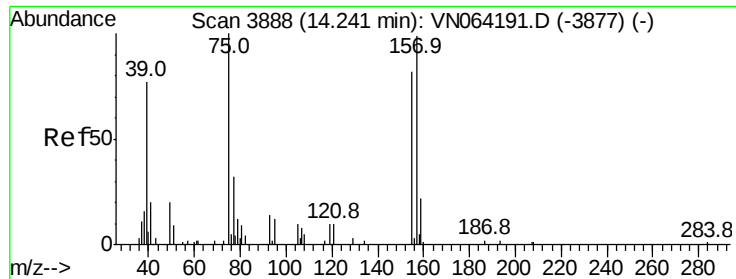
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

13.62

Time-->



#88

1,2-Dibromo-3-Chloropropane

Concen: 4.852 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

Instrument :

MSVOA_N

ClientSampleId :

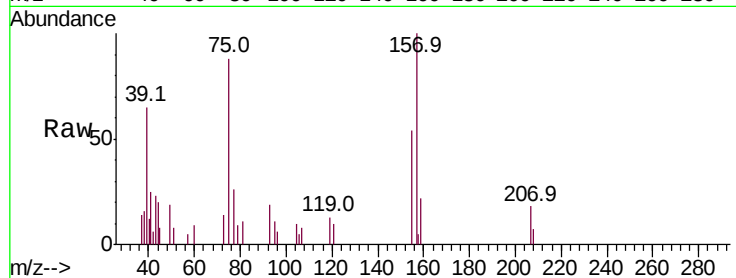
Tot Ion: 75 Resp: 5319

Ion Ratio Lower Upper

75 100

155 65.8 61.1 91.7

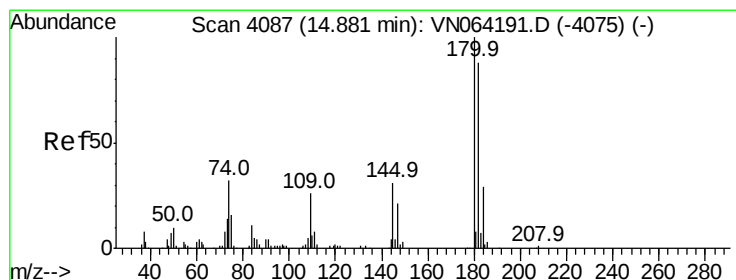
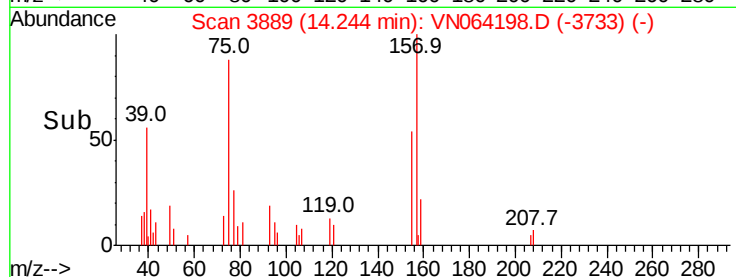
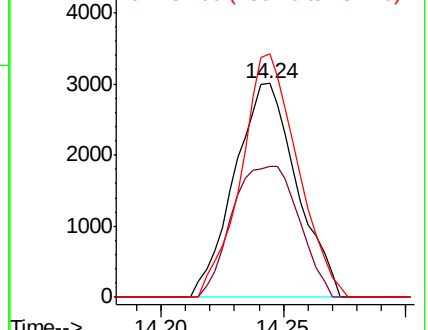
157 103.1 76.5 114.7



Abundance Ion 75.00 (74.70 to 75.70): VN064191.D (-3877) (-)

Ion 155.00 (154.70 to 155.70): VN064191.D (-3877) (-)

Ion 157.00 (156.70 to 157.70): VN064191.D (-3877) (-)



#89

1,2,4-Trichlorobenzene

Concen: 4.121 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. -0.00 min

Lab File: VN064198.D

Acq: 20 Oct 2020 16:19

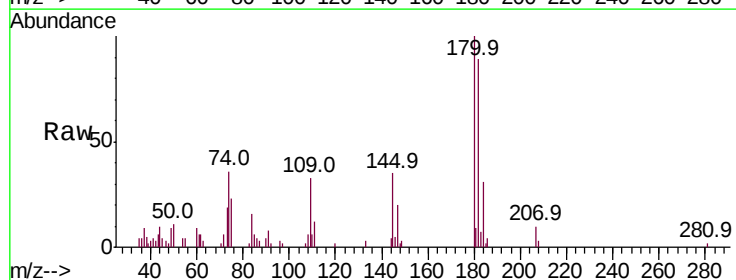
Tgt Ion:180 Resp: 16474

Ion Ratio Lower Upper

180 100

182 95.5 73.0 109.4

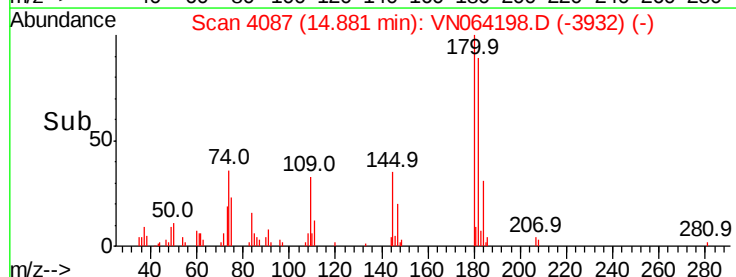
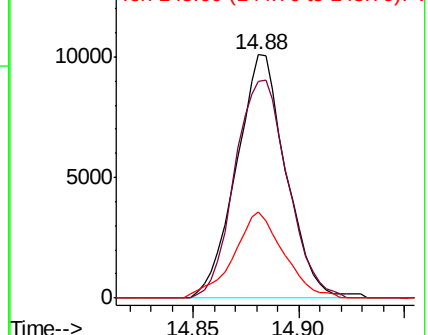
145 35.3 24.3 36.5

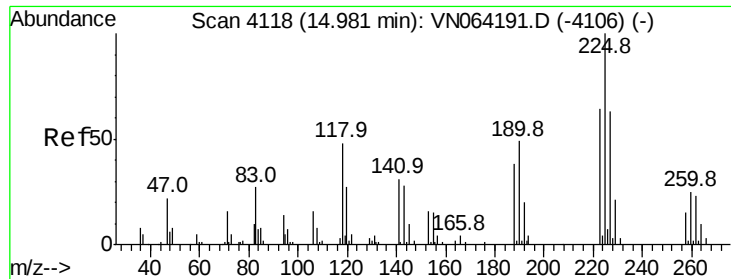


Abundance Ion 180.00 (179.70 to 180.70): VN064191.D (-4075) (-)

Ion 182.00 (181.70 to 182.70): VN064191.D (-4075) (-)

Ion 145.00 (144.70 to 145.70): VN064191.D (-4075) (-)

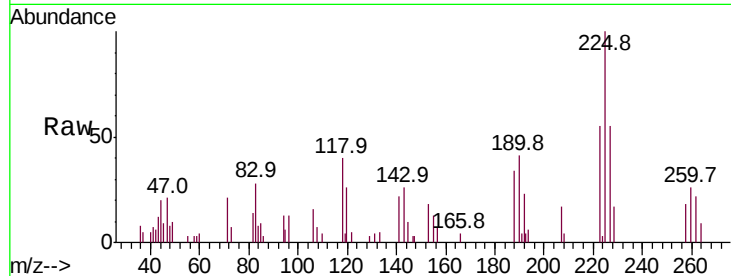




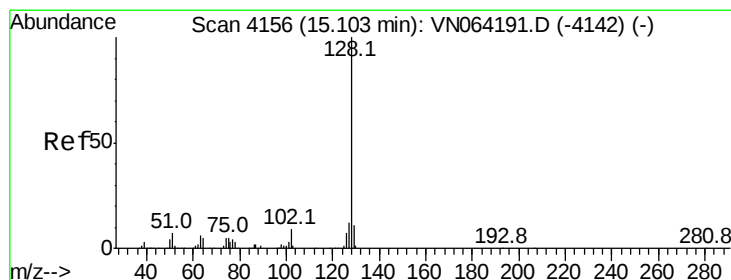
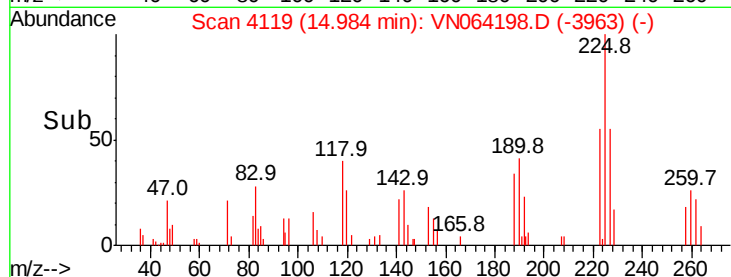
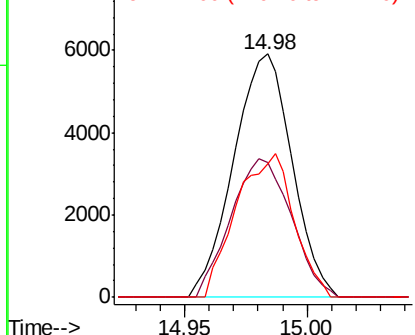
#90
Hexachlorobutadiene
Concen: 4.837 ug/l
RT: 14.98 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:225 Resp: 9803
Ion Ratio Lower Upper
225 100
223 59.2 0.0 127.0
227 58.5 0.0 129.4

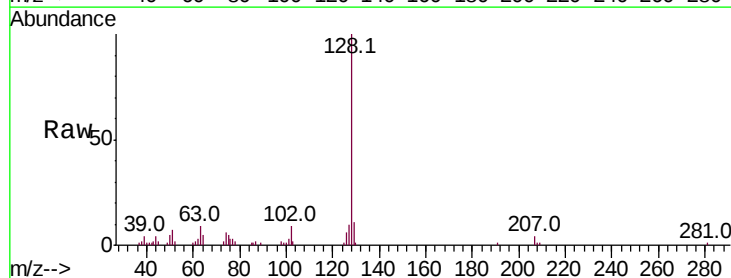


Abundance Ion 225.00 (224.70 to 225.70): V
Ion 223.00 (222.70 to 223.70): V
Ion 227.00 (226.70 to 227.70): V

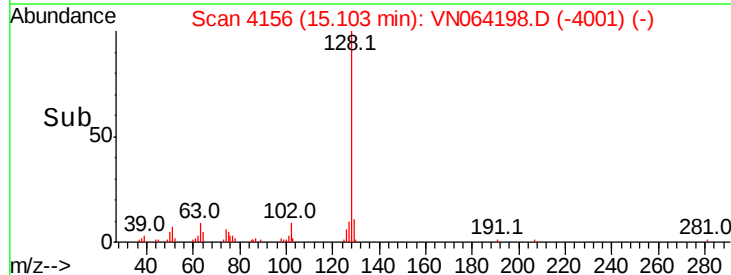
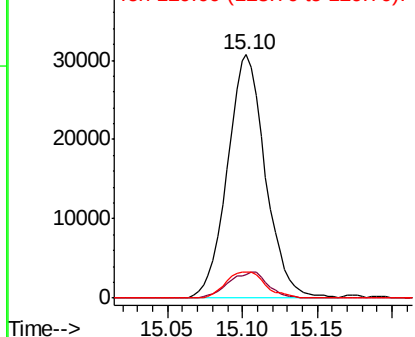


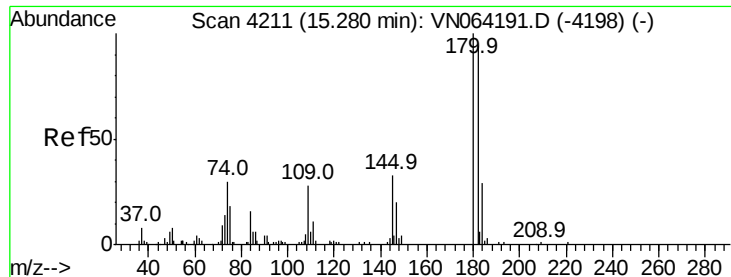
#91
Naphthalene
Concen: 4.474 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN064198.D
Acq: 20 Oct 2020 16:19

Tgt Ion:128 Resp: 54218
Ion Ratio Lower Upper
128 100
127 11.0 10.1 15.1
129 11.2 8.7 13.1



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





#92
 1,2,3-Trichlorobenzene
 Concen: 4.272 ug/l
 RT: 15.28 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN064198.D
 Acq: 20 Oct 2020 16:19

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	190.0
145	35.8	0.0	66.6

