

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102020\
 Data File : VN064199.D
 Acq On : 20 Oct 2020 16:43
 Operator : JC/MD
 Sample : VN1020WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 21 04:49:20 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	47795	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.55	114	281665	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.38	117	248390	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	7.99	65	130574	33.37	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	111.23%
60) 4-Bromofluorobenzene	12.38	95	135666	30.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.60%
63) Toluene-d8	10.06	98	346214	30.79	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	68169	20.789 ug/l	92
3) Chloromethane	2.04	50	66564	19.809 ug/l	98
4) Vinyl Chloride	2.16	62	65436	19.793 ug/l	98
5) Bromomethane	2.54	94	42224	21.348 ug/l	94
6) Chloroethane	2.68	64	38428	19.957 ug/l	95
7) Trichlorofluoromethane	2.99	101	105083	19.800 ug/l	99
8) Diethyl Ether	3.38	74	34295	19.033 ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	52660	18.800 ug/l	100
10) 1,1-Dichloroethene	3.70	96	50449	18.498 ug/l	91
11) Methyl Iodide	3.91	142	71326	18.145 ug/l	98
12) Methyl Acetate	4.27	43	27885	9.701 ug/l	97
13) Acrolein	3.57	56	30639	97.483 ug/l #	34
14) Acrylonitrile	4.93	53	106944	92.325 ug/l	96
15) Acetone	3.77	58	28638	91.568 ug/l	92
16) Carbon Disulfide	4.01	76	146454	18.778 ug/l	98
17) Allyl chloride	4.28	41	91747	18.092 ug/l	96
18) Methylene Chloride	4.51	84	59212	18.983 ug/l	95
19) trans-1,2-Dichloroethene	4.99	96	53238	18.096 ug/l	98
20) Diisopropyl ether	5.90	45	177762	18.968 ug/l	97
21) 1,1-Dichloroethane	5.80	63	107602	18.807 ug/l	96
22) cis-1,2-Dichloroethene	6.78	96	65240	18.970 ug/l #	60
23) tert-Butyl Alcohol	4.73	59	53422	99.713 ug/l #	100
24) Methyl tert-Butyl Ether	4.98	73	83102	9.221 ug/l	94
25) Chloroform	7.33	83	112933	18.998 ug/l	96
26) Cyclohexane	7.61	56	83115	18.322 ug/l #	87
29) 1,1-Dichloropropene	7.76	75	85359	18.248 ug/l	99
30) 2-Butanone	6.78	43	175120	90.785 ug/l	99
31) 2,2-Dichloropropane	6.78	77	103557	17.438 ug/l	98
32) 1,1,1-Trichloroethane	7.53	97	108793	18.254 ug/l	98
33) Carbon Tetrachloride	7.74	117	99449	18.303 ug/l	95
34) Benzene	8.00	78	233293	17.910 ug/l	99
35) Methacrylonitrile	7.13	41	36274	17.144 ug/l	94
36) 1,2-Dichloroethane	8.09	62	97168	18.444 ug/l	99
37) Trichloroethene	8.80	130	63931	17.826 ug/l	98
38) Methylcyclohexane	9.05	83	75945	16.976 ug/l	97
39) 1,2-Dichloropropane	9.09	63	62423	17.958 ug/l	100
40) Dibromomethane	9.17	93	43065	17.806 ug/l	100

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.37	83	94155	17.988	ug/l	99
42) Vinyl Acetate	5.84	43	830870	90.730	ug/l	99
43) Ethyl Acetate	6.88	43	81611	19.372	ug/l #	85
44) Isopropyl Acetate	8.13	43	152415	18.845	ug/l #	87
45) 1,4-Dioxane	9.16	88	16779	354.708	ug/l	98
46) Methyl methacrylate	9.16	41	69831	18.196	ug/l	97
47) n-amyl Acetate	12.05	43	123149	17.163	ug/l	98
48) t-1,3-Dichloropropene	10.35	75	104729	17.741	ug/l	92
49) cis-1,3-Dichloropropene	9.81	75	109539	17.959	ug/l	98
50) 1,1,2-Trichloroethane	10.53	97	58554	18.071	ug/l	96
51) Ethyl methacrylate	10.40	69	88739	17.319	ug/l	96
52) 1,3-Dichloropropane	10.68	76	98375	17.610	ug/l	99
53) Dibromochloromethane	10.87	129	70625	17.318	ug/l	100
54) 1,2-Dibromoethane	10.98	107	62253	18.075	ug/l	98
55) 2-Chloroethyl vinyl ether	9.66	63	235871	93.666	ug/l	100
56) Bromoform	12.10	173	47186	16.614	ug/l	99
58) 4-Methyl-2-Pentanone	9.95	43	392922	93.350	ug/l	99
59) 2-Hexanone	10.72	43	281259	90.008	ug/l	100
61) Tetrachloroethene	10.60	164	60040	17.930	ug/l	98
62) Toluene	10.13	91	253367	17.842	ug/l	100
64) Chlorobenzene	11.41	112	158194	17.889	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.48	131	61323	17.699	ug/l	98
66) Ethyl Benzene	11.48	91	290591	17.799	ug/l	95
67) m/p-Xylenes	11.59	106	218254	35.946	ug/l	99
68) o-Xylene	11.92	106	106166	18.019	ug/l	94
69) Styrene	11.94	104	177130	17.770	ug/l	99
70) Isopropylbenzene	12.22	105	283761	18.236	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.48	83	76448	17.928	ug/l	97
72) 1,2,3-Trichloropropane	12.52	75	115685	25.997	ug/l	47
73) Bromobenzene	12.50	156	66471	17.714	ug/l	97
74) n-propylbenzene	12.57	91	317269	17.864	ug/l	99
75) 2-Chlorotoluene	12.65	91	199756	18.169	ug/l	99
76) 1,3,5-Trimethylbenzene	12.71	105	240111	18.134	ug/l	99
77) t-1,4-Dichloro-2-butene	12.28	75	30613	17.596	ug/l	98
78) 4-Chlorotoluene	12.75	91	203988	17.738	ug/l	100
79) tert-butylbenzene	12.97	119	197000	18.198	ug/l	99
80) 1,2,4-Trimethylbenzene	13.01	105	240644	17.903	ug/l	100
81) sec-Butylbenzene	13.14	105	245054	17.399	ug/l	99
82) p-Isopropyltoluene	13.26	119	226783	17.397	ug/l	99
83) 1,3-Dichlorobenzene	13.26	146	118594	17.632	ug/l	99
84) 1,4-Dichlorobenzene	13.34	146	117480	17.446	ug/l	97
85) n-Butylbenzene	13.59	91	200061	17.288	ug/l	100
86) Hexachloroethane	13.85	117	38842	17.308	ug/l	95
87) 1,2-Dichlorobenzene	13.63	146	114362	17.435	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.24	75	19315	17.884	ug/l	93
89) 1,2,4-Trichlorobenzene	14.88	180	66465	16.874	ug/l	98
90) Hexachlorobutadiene	14.98	225	33930	16.994	ug/l	97
91) Naphthalene	15.10	128	205175	17.184	ug/l	99
92) 1,2,3-Trichlorobenzene	15.28	180	63834	16.945	ug/l	96

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ClientSampleId :

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QLast Update : Tue Oct 20 11:51:57 2020
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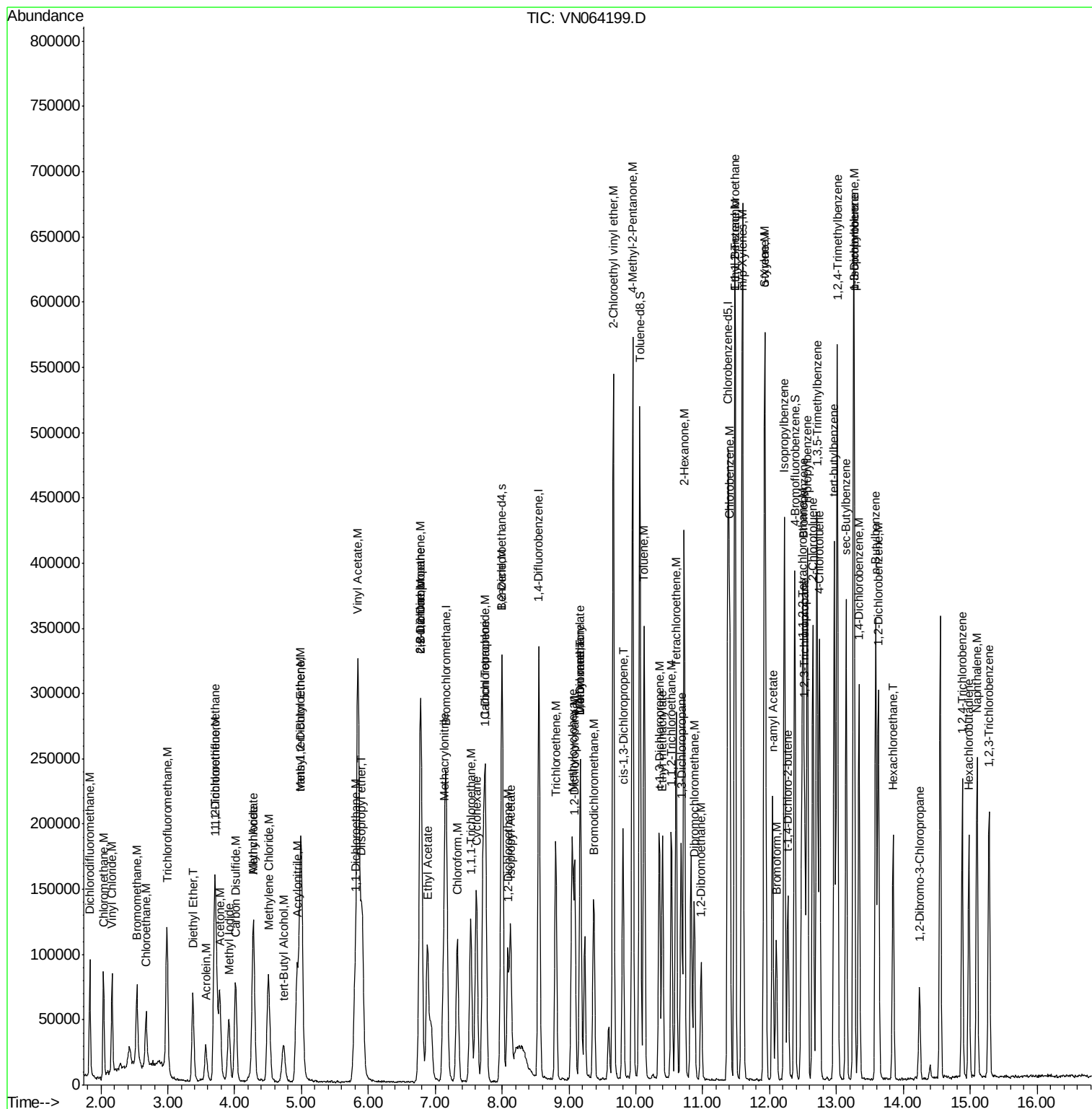
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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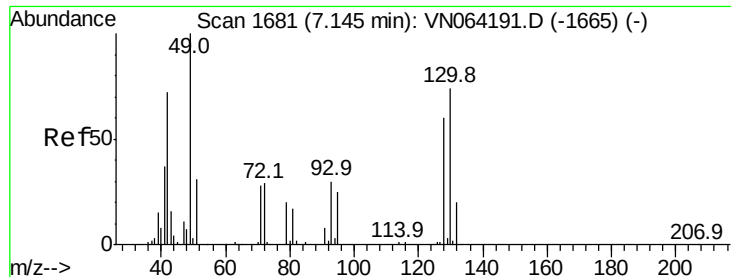
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_N
ClientSampled :

Quant Time: Oct 21 04:49:20 2020
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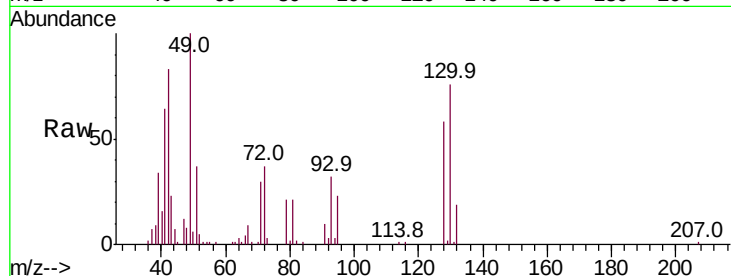




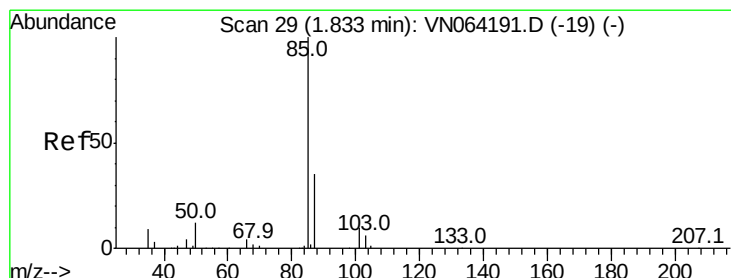
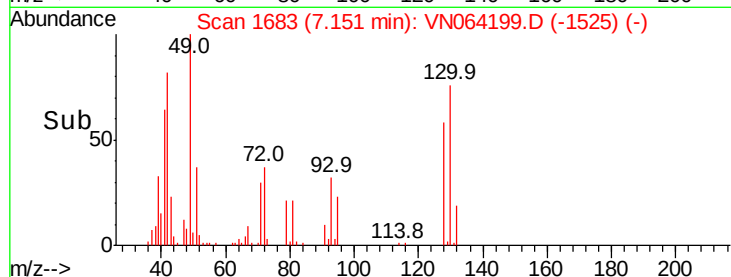
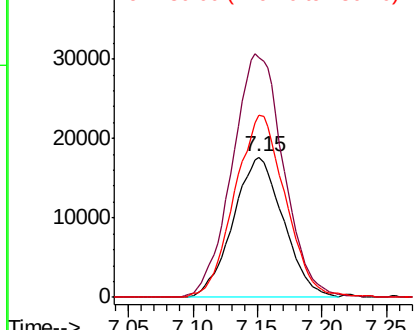
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.15 min Scan# 1683
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:128 Resp: 47795
 Ion Ratio Lower Upper
 128 100
 49 178.0 0.0 433.3
 130 130.7 0.0 322.5

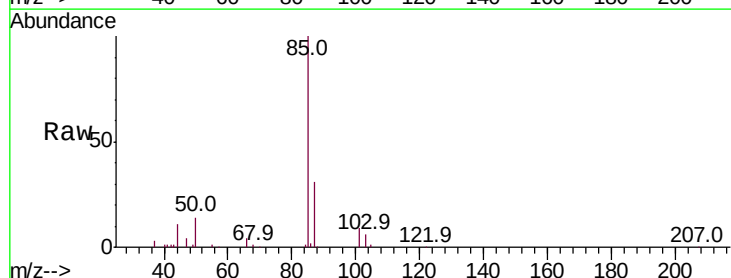


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

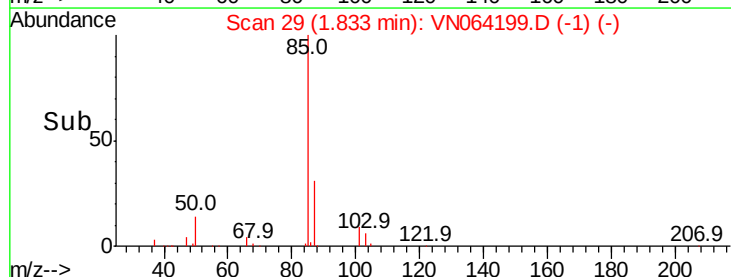
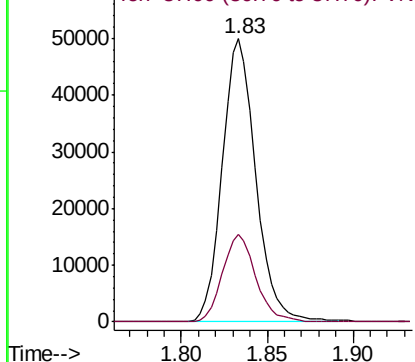


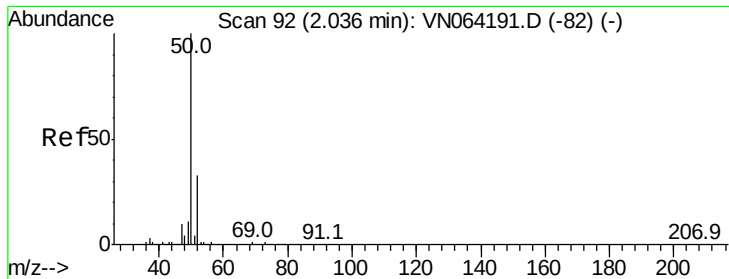
#2
 Dichlorodifluoromethane
 Concen: 20.789 ug/l
 RT: 1.83 min Scan# 29
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion: 85 Resp: 68169
 Ion Ratio Lower Upper
 85 100
 87 30.8 17.8 53.3



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





#3

Chloromethane

Concen: 19.809 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

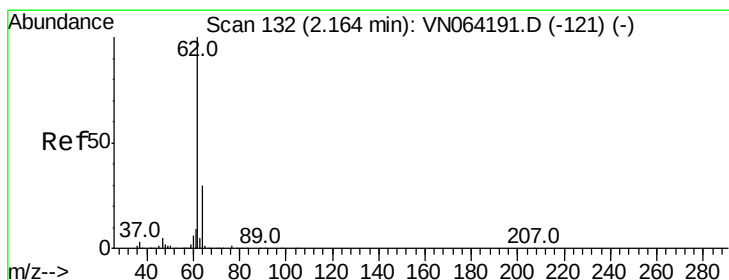
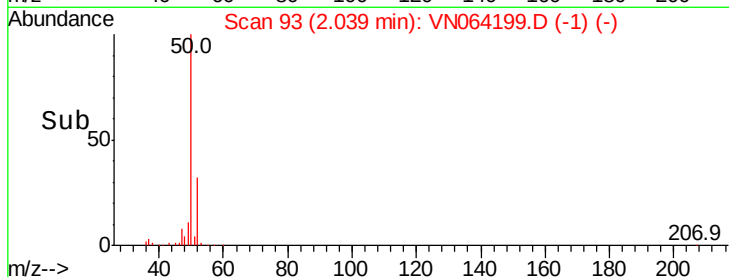
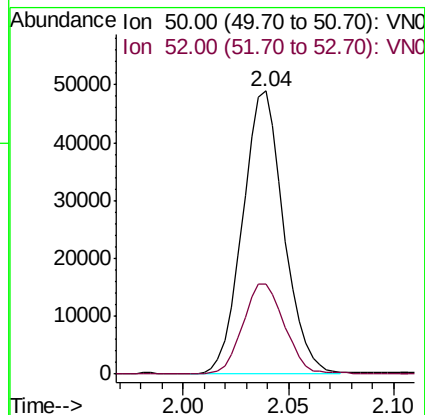
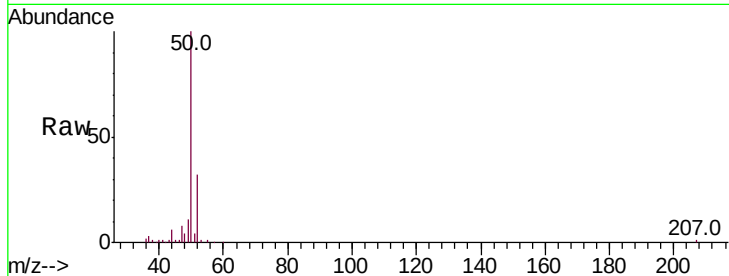
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 66564

Ion Ratio Lower Upper

50 100

52 31.9 26.6 40.0



#4

Vinyl Chloride

Concen: 19.793 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064199.D

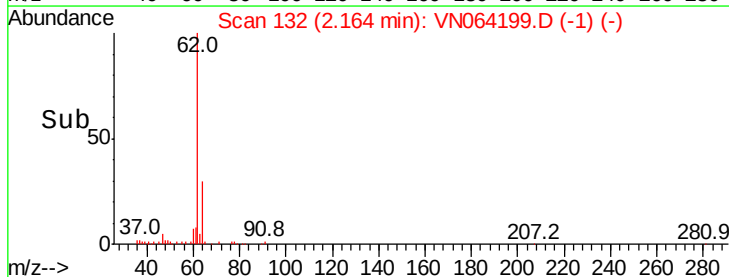
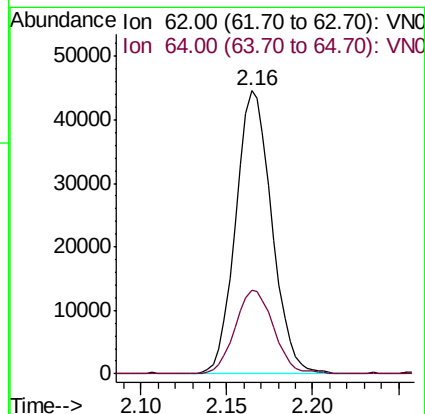
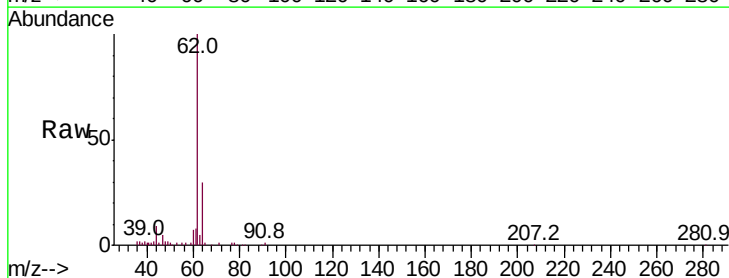
Acq: 20 Oct 2020 16:43

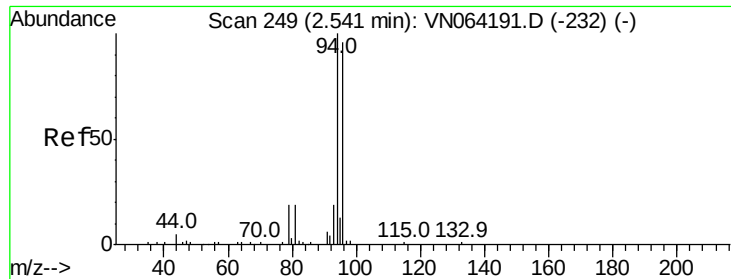
Tgt Ion: 62 Resp: 65436

Ion Ratio Lower Upper

62 100

64 29.5 24.4 36.6





#5

Bromomethane

Concen: 21.348 ug/l

RT: 2.54 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

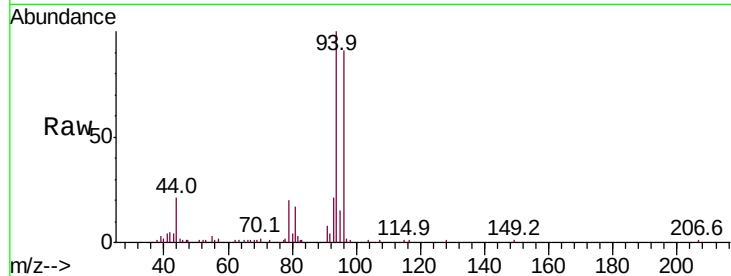
ClientSampled :

Tot Ion: 94 Resp: 42224

Ion Ratio Lower Upper

94 100

96 90.2 76.6 115.0



Abundance Ion 94.00 (93.70 to 94.70): VN064199.D (-232) (-)

Ion 96.00 (95.70 to 96.70): VN064199.D (-232) (-)

25000

20000

15000

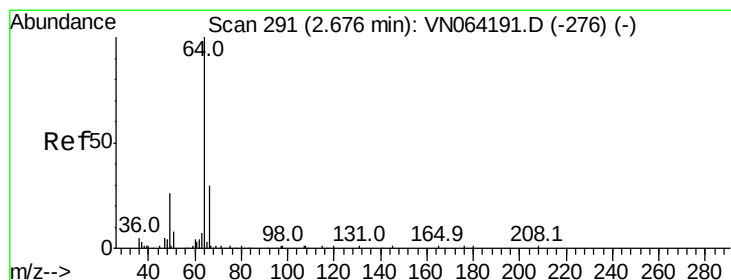
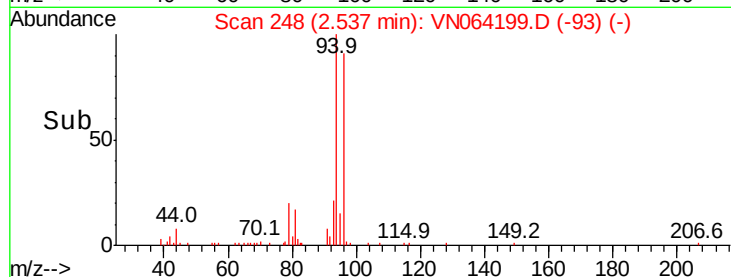
10000

5000

0

2.45 2.50 2.55 2.60

Time-->



#6

Chloroethane

Concen: 19.957 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064199.D

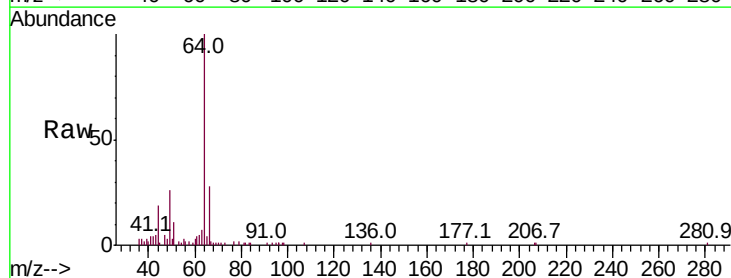
Acq: 20 Oct 2020 16:43

Tgt Ion: 64 Resp: 38428

Ion Ratio Lower Upper

64 100

66 27.9 24.3 36.5



Abundance Ion 64.00 (63.70 to 64.70): VN064199.D (-276) (-)

Ion 66.00 (65.70 to 66.70): VN064199.D (-276) (-)

20000

15000

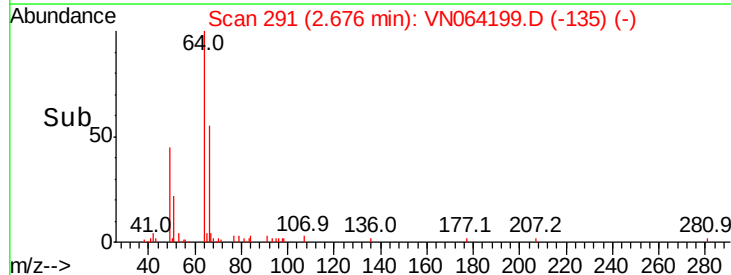
10000

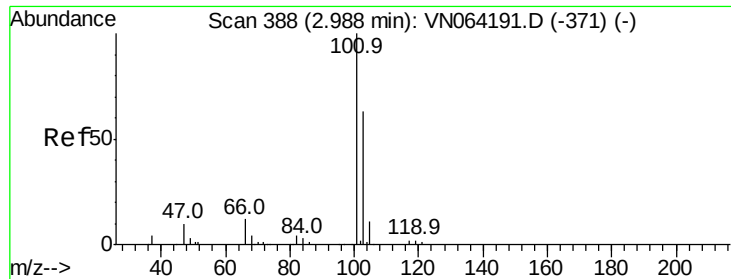
5000

0

2.60 2.65 2.70 2.75

Time-->



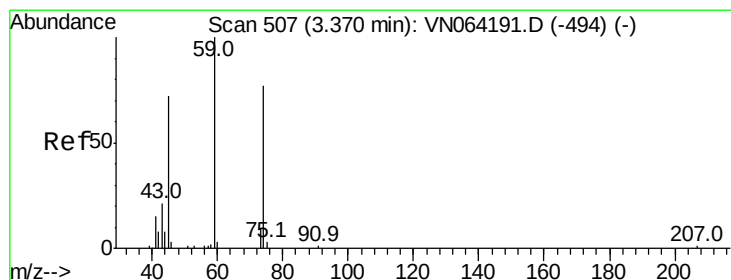
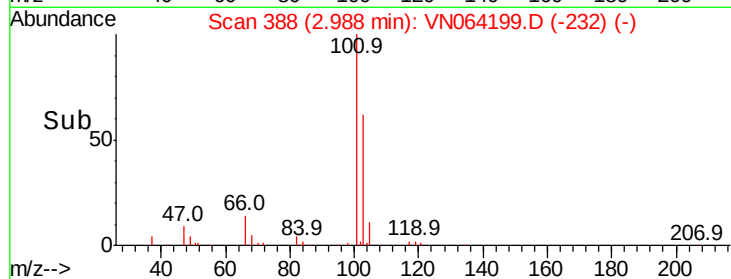
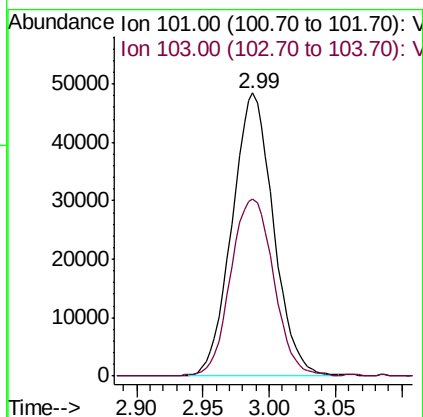
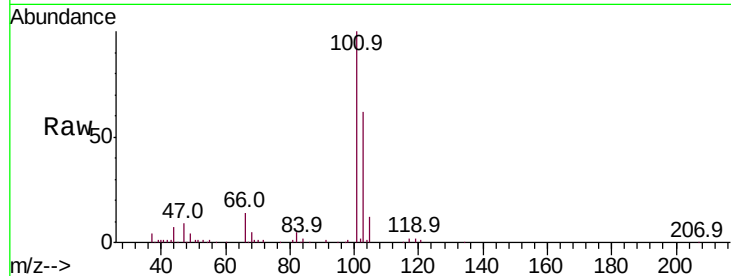


#7

Trichlorofluoromethane
 Concen: 19.800 ug/l
 RT: 2.99 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :

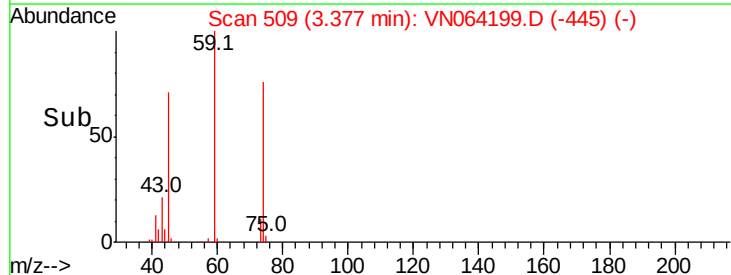
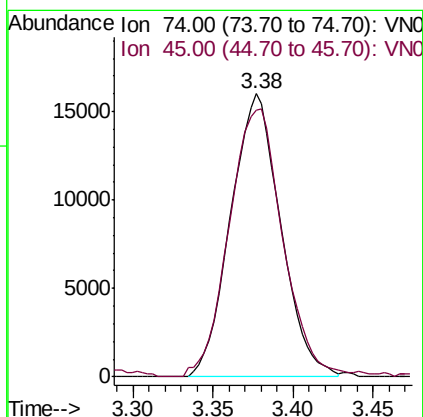
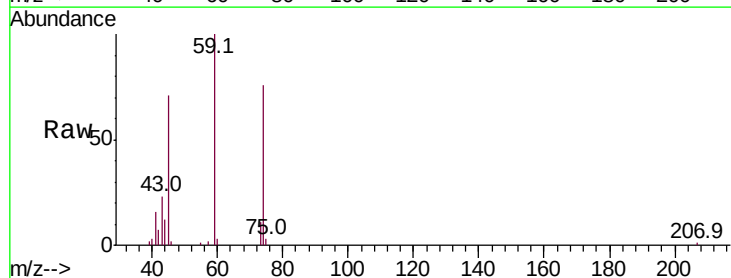
Tot Ion:101 Resp: 105083
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.7 76.1

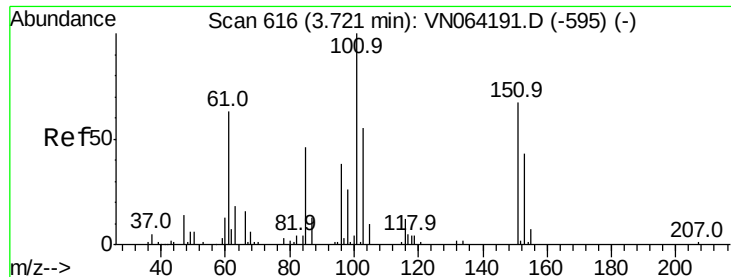


#8

Diethyl Ether
 Concen: 19.033 ug/l
 RT: 3.38 min Scan# 509
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion: 74 Resp: 34295
 Ion Ratio Lower Upper
 74 100
 45 101.2 19.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.800 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

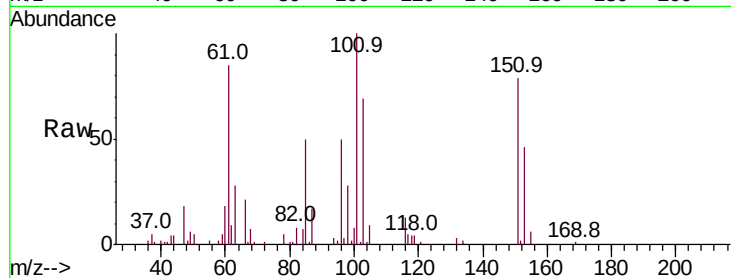
Tot Ion:101 Resp: 52660

Ion Ratio Lower Upper

101 100

85 46.9 0.0 94.0

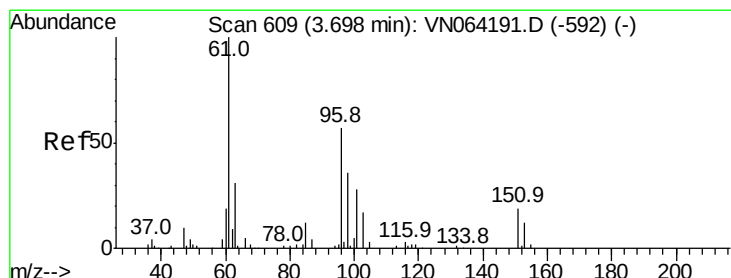
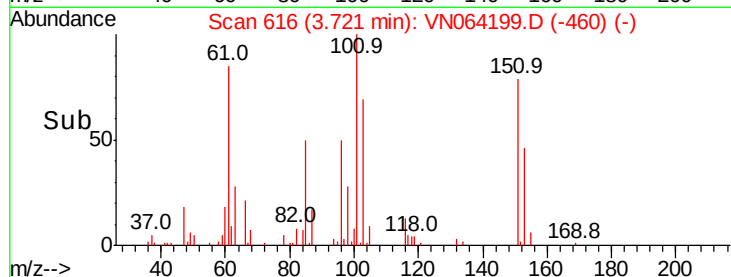
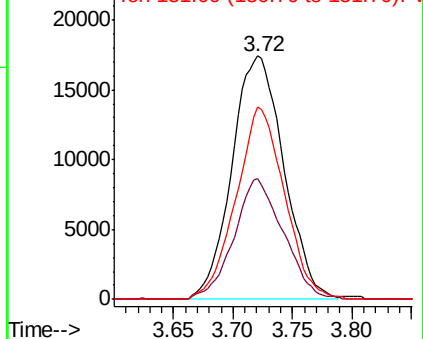
151 73.5 0.0 146.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 18.498 ug/l

RT: 3.70 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

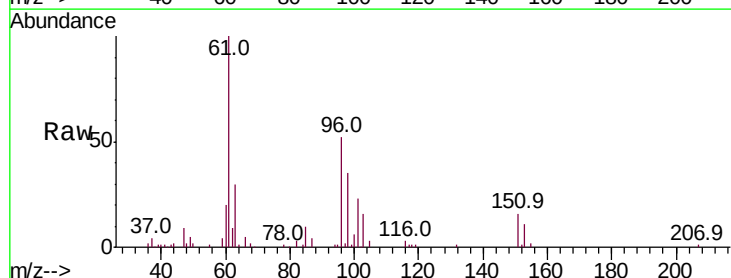
Tgt Ion: 96 Resp: 50449

Ion Ratio Lower Upper

96 100

61 191.5 141.0 211.4

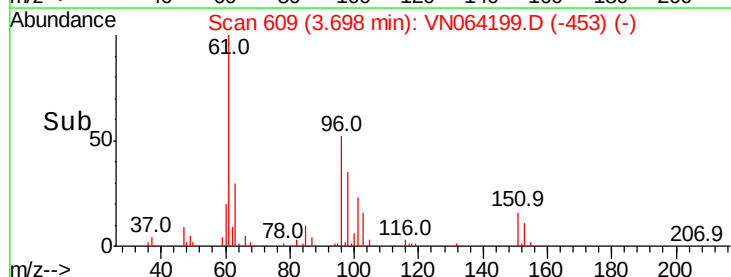
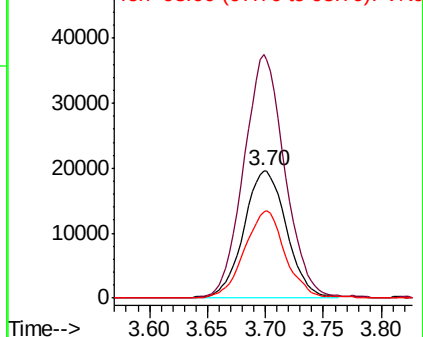
98 67.9 51.4 77.2

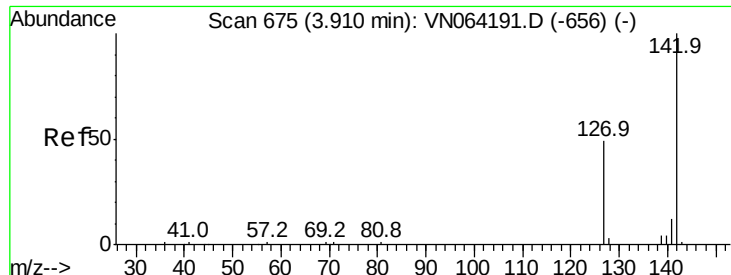


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

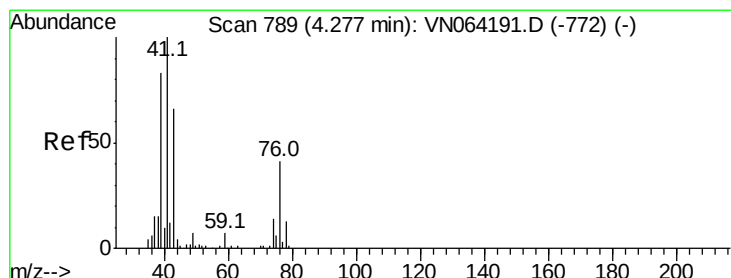
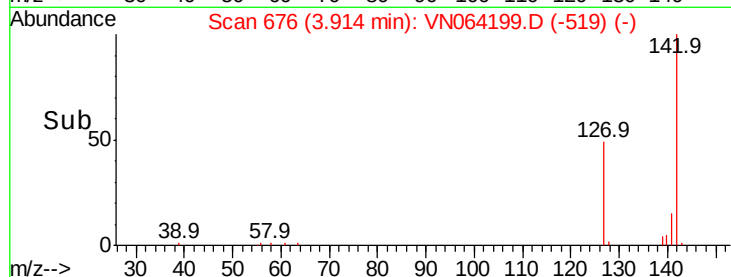
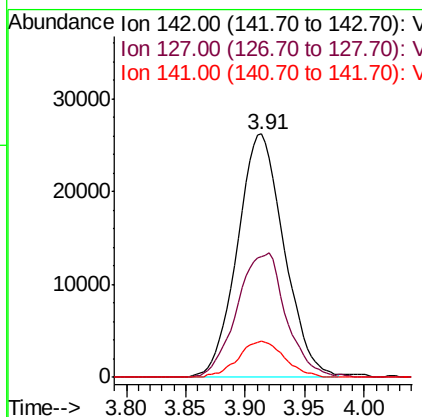
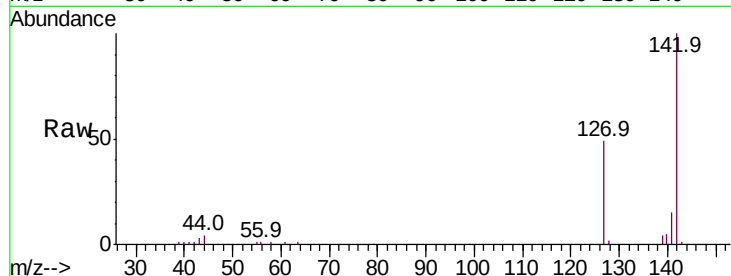




#11
Methvl Iodide
Concen: 18.145 ug/l
RT: 3.91 min Scan# 676
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

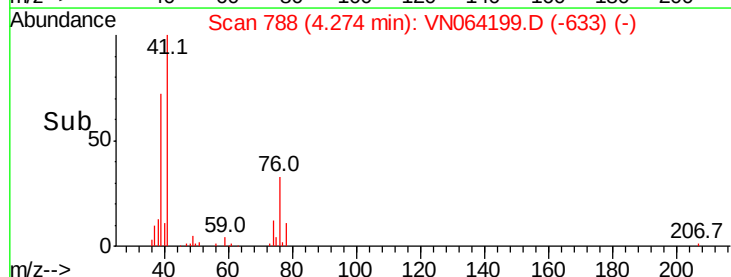
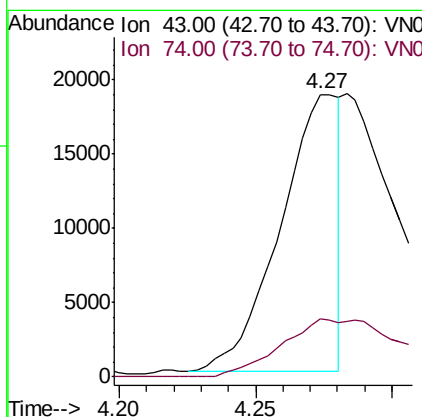
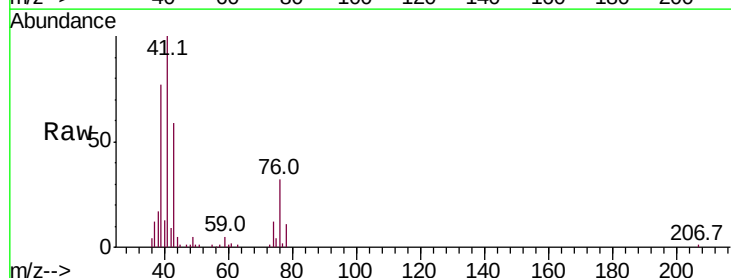
Instrument :
MSVOA_N
ClientSampleId :

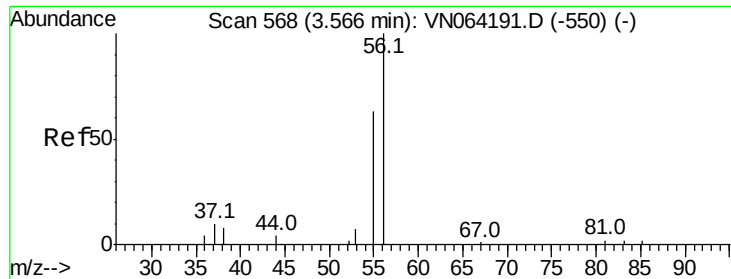
Tot Ion:142 Resp: 71326
Ion Ratio Lower Upper
142 100
127 49.2 24.5 73.5
141 14.8 6.0 18.1



#12
Methyl Acetate
Concen: 9.701 ug/l
RT: 4.27 min Scan# 788
Delta R.T. -0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 43 Resp: 27885
Ion Ratio Lower Upper
43 100
74 21.5 16.2 24.2

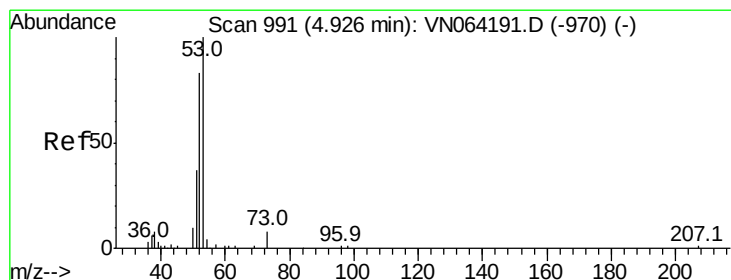
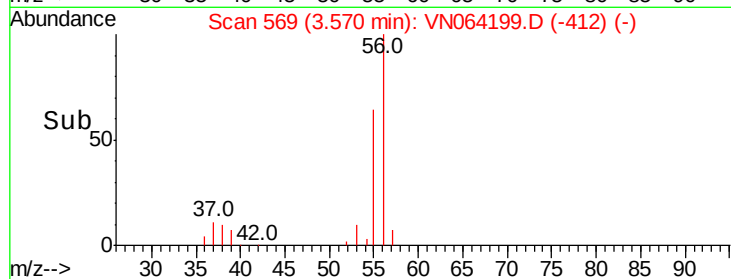
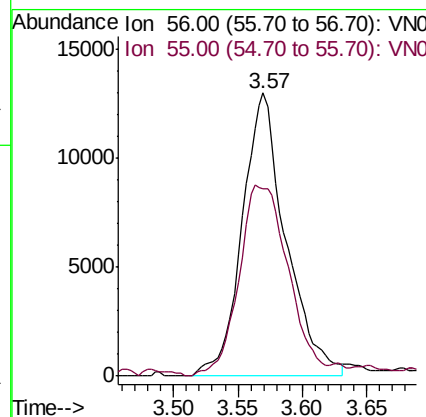
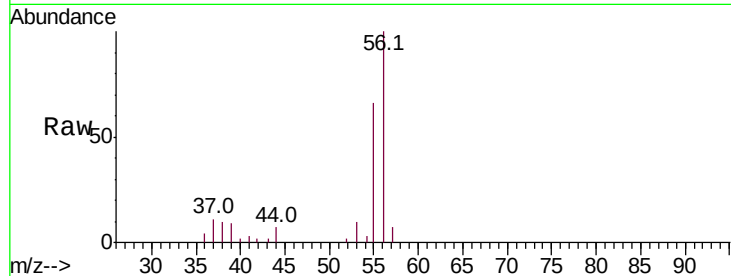




#13
Acrolein
Concen: 97.483 ug/l
RT: 3.57 min Scan# 569
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

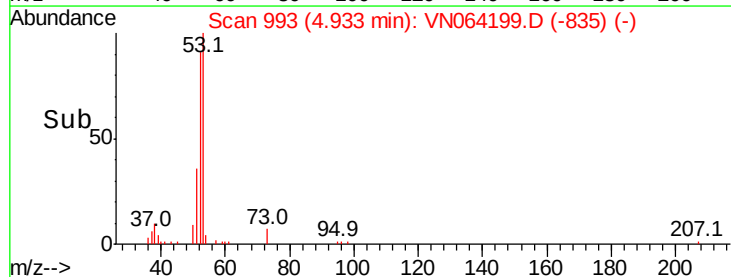
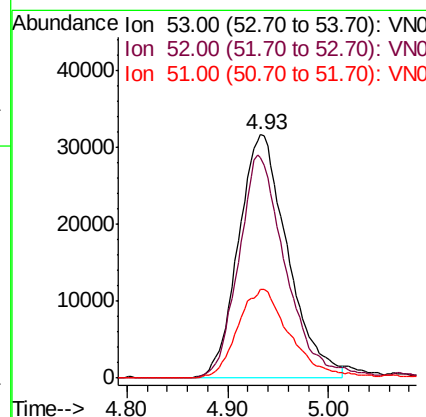
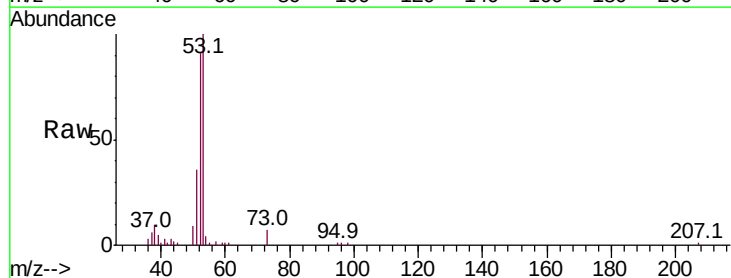
Instrument :
MSVOA_N
ClientSampled :

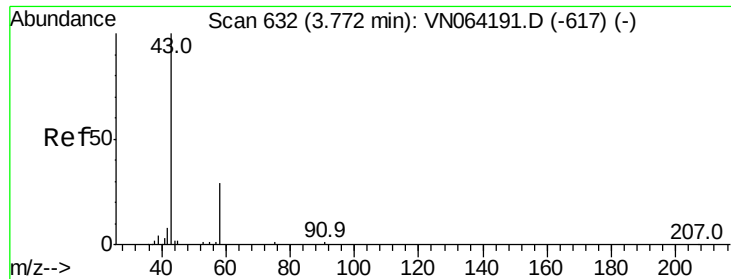
Tot Ion: 56 Resp: 30639
Ion Ratio Lower Upper
56 100
55 39.0 0.5 0.7#



#14
Acrylonitrile
Concen: 92.325 ug/l
RT: 4.93 min Scan# 993
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 53 Resp: 106944
Ion Ratio Lower Upper
53 100
52 86.0 41.3 123.9
51 38.1 18.1 54.1

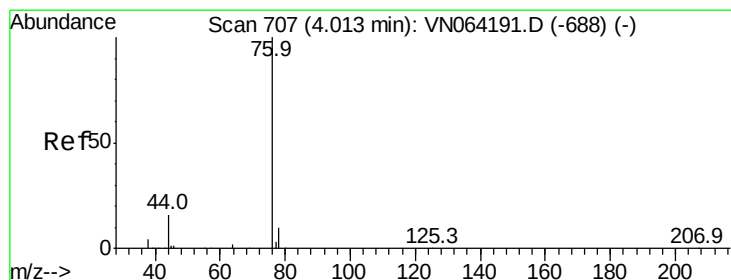
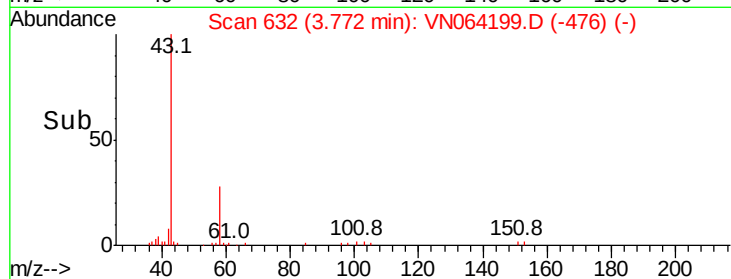
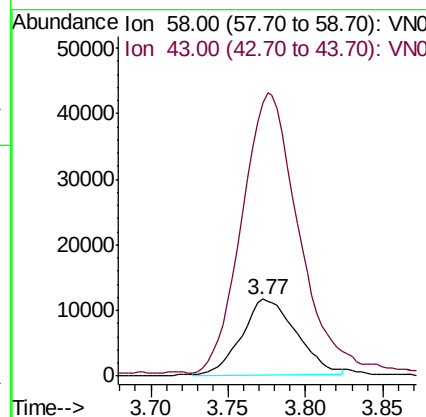
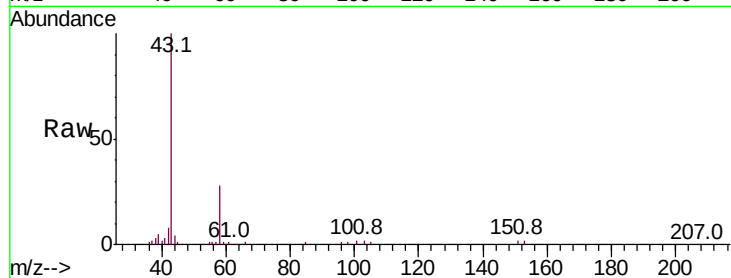




#15
Acetone
Concen: 91.568 ug/l
RT: 3.77 min Scan# 632
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

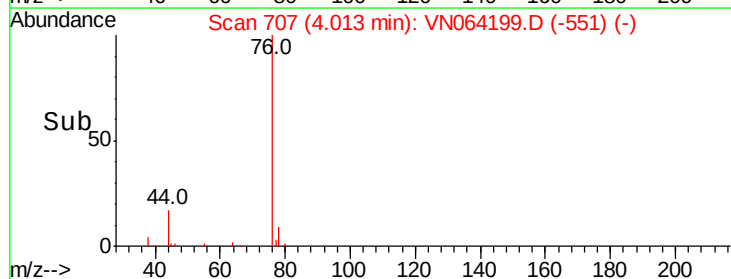
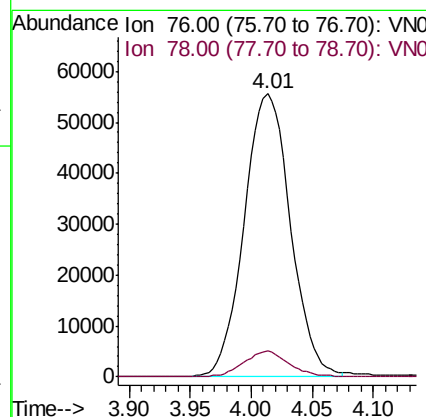
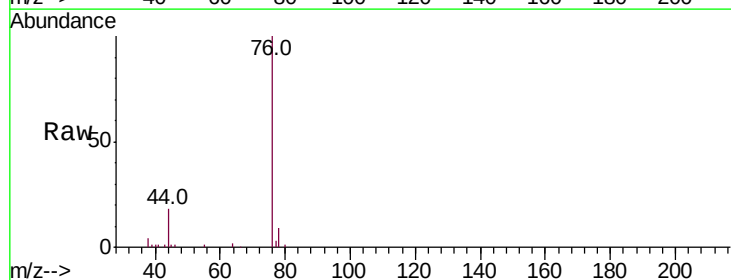
Instrument :
MSVOA_N
ClientSampleId :

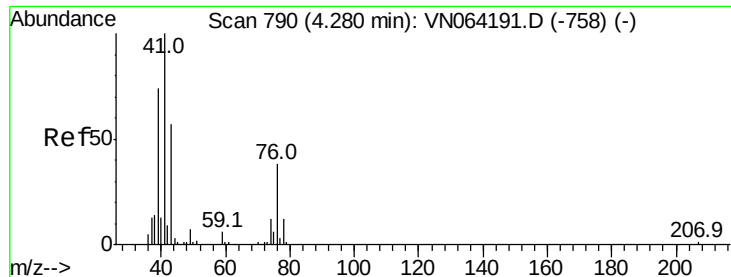
Tot Ion: 58 Resp: 28638
Ion Ratio Lower Upper
58 100
43 357.3 272.1 408.1



#16
Carbon Disulfide
Concen: 18.778 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 76 Resp: 146454
Ion Ratio Lower Upper
76 100
78 9.0 7.7 11.5

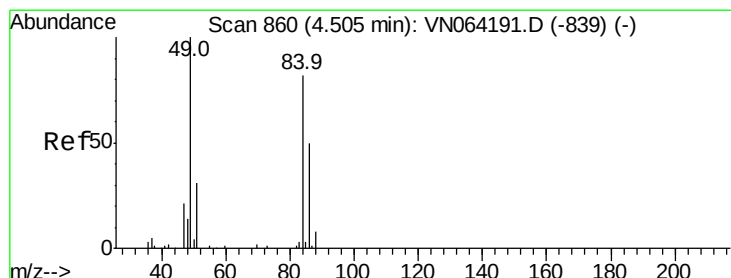
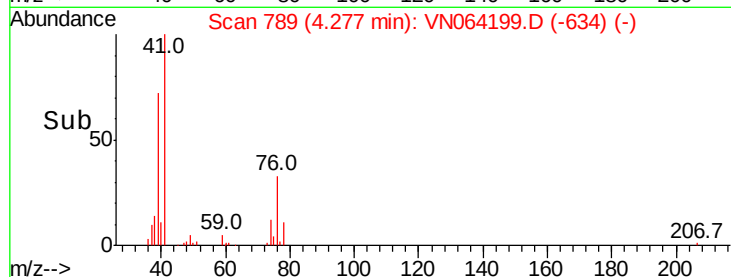
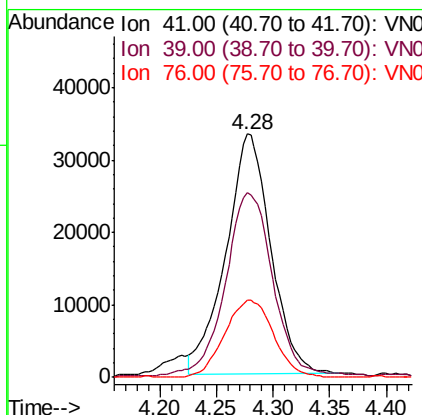
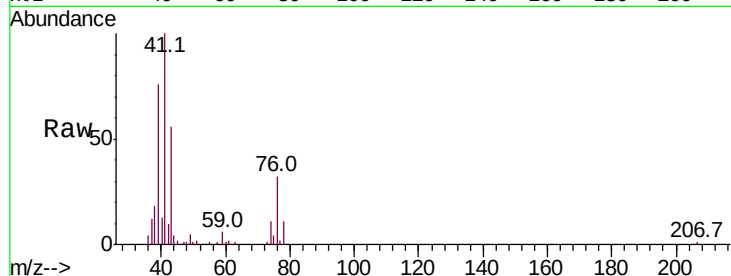




#17
Allvl chloride
Concen: 18.092 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

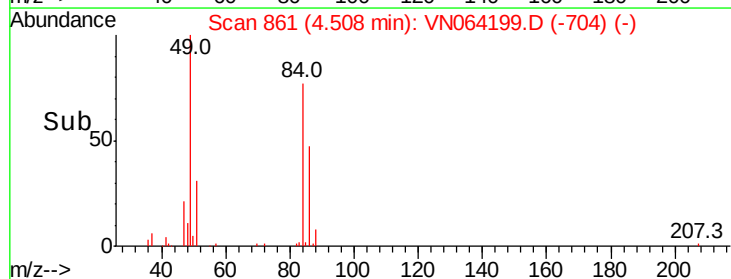
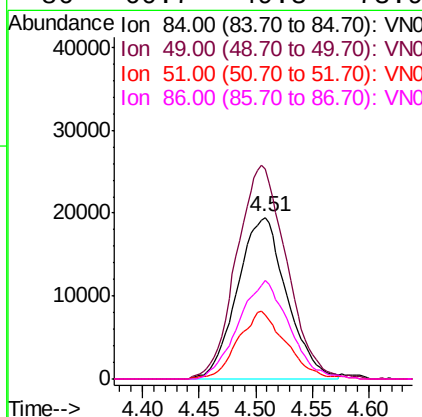
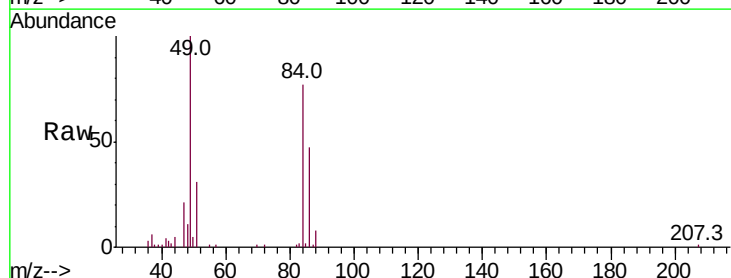
Instrument :
MSVOA_N
ClientSampleId :

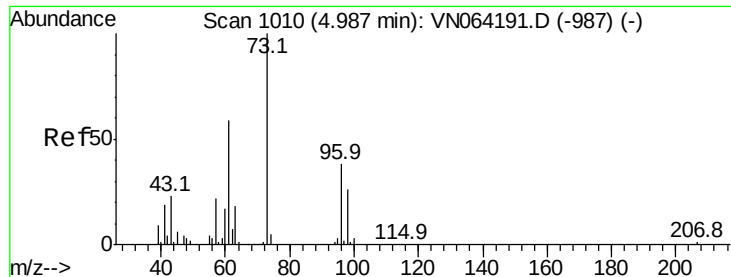
Tot Ion: 41 Resp: 91747
Ion Ratio Lower Upper
41 100
39 75.2 36.8 110.4
76 32.3 18.8 56.4



#18
Methylene Chloride
Concen: 18.983 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 84 Resp: 59212
Ion Ratio Lower Upper
84 100
49 130.1 97.6 146.4
51 39.9 31.1 46.7
86 60.7 49.3 73.9

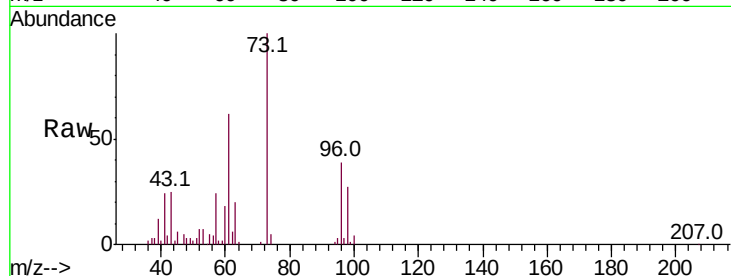




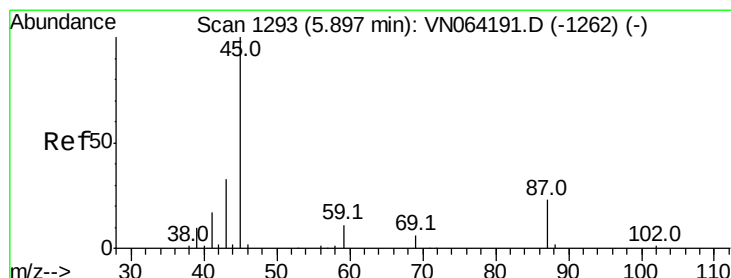
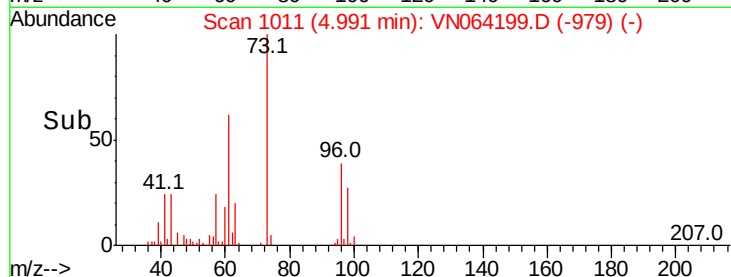
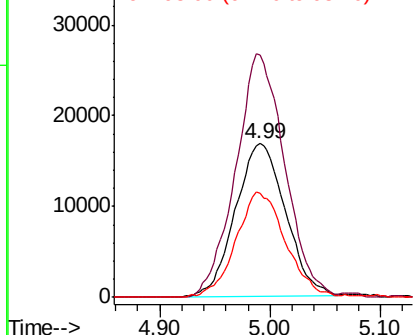
#19
trans-1,2-Dichloroethene
Concen: 18.096 ug/l
RT: 4.99 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 53238
Ion Ratio Lower Upper
96 100
61 159.3 125.5 188.3
98 67.0 54.7 82.1

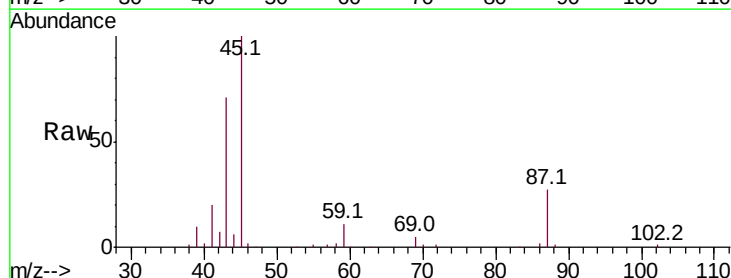


Abundance Ion 96.00 (95.70 to 96.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

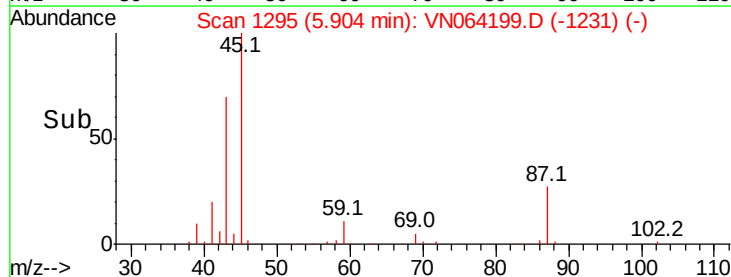
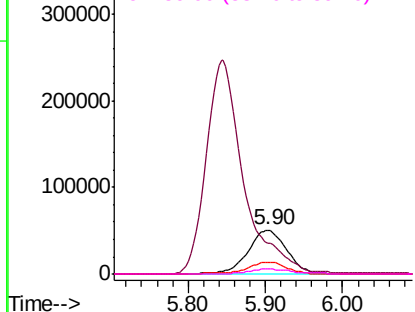


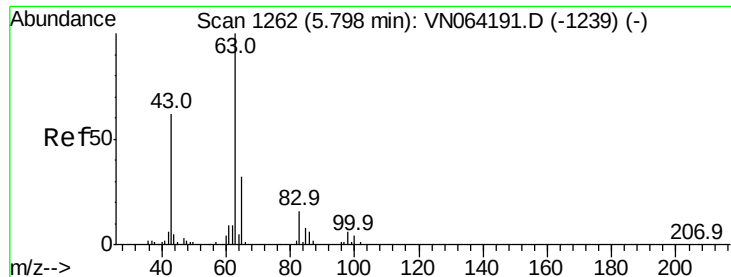
#20
Diisopropyl ether
Concen: 18.968 ug/l
RT: 5.90 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 45 Resp: 177762
Ion Ratio Lower Upper
45 100
43 67.1 55.1 82.7
87 26.7 19.4 29.2
59 11.1 8.7 13.1



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

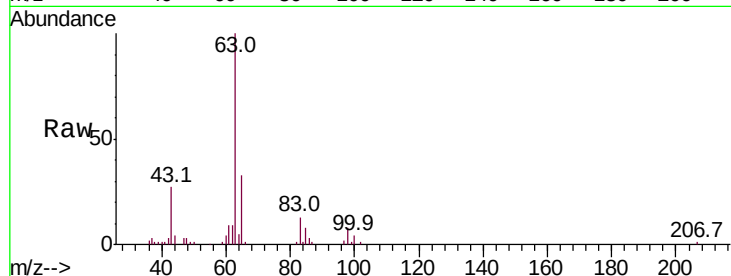




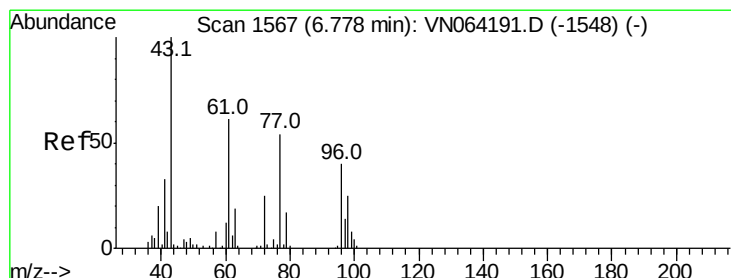
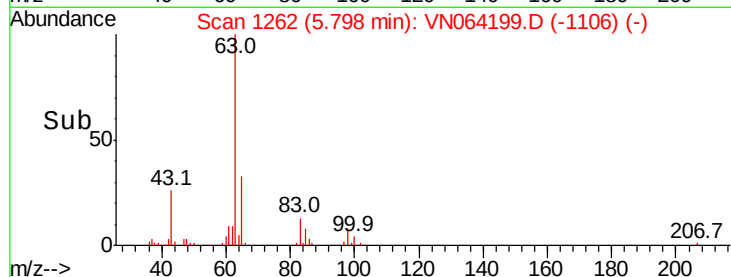
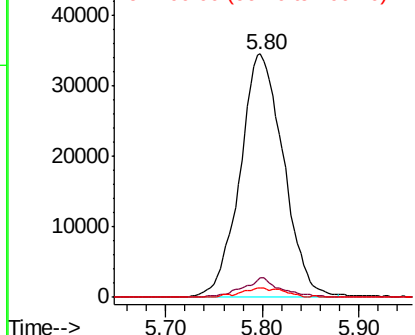
#21
 1,1-Dichloroethane
 Concen: 18.807 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
98	8.1	2.9	8.7
100	3.8	2.1	6.3

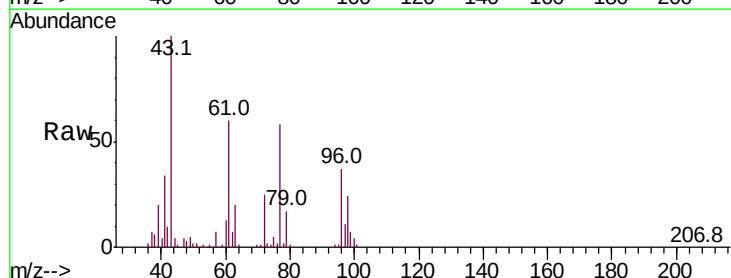


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

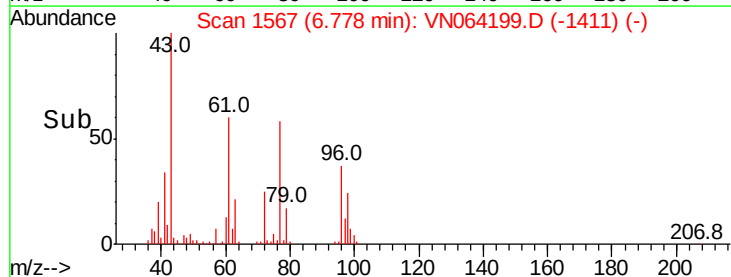
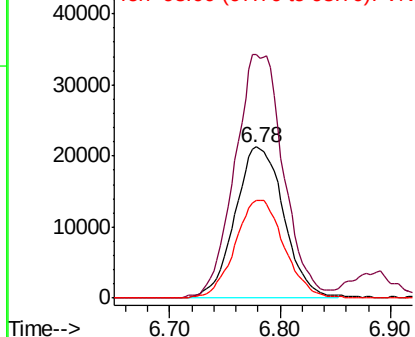


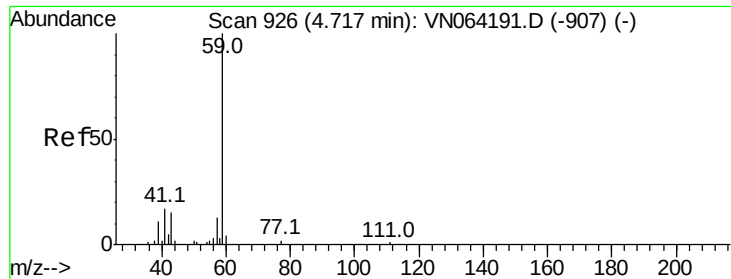
#22
 cis-1,2-Dichloroethene
 Concen: 18.970 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	86.4	126.2	189.4#
98	64.7	50.2	75.4



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





#23

tert-Butyl Alcohol

Concen: 99.713 ug/l

RT: 4.73 min Scan# 931

Delta R.T. 0.02 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

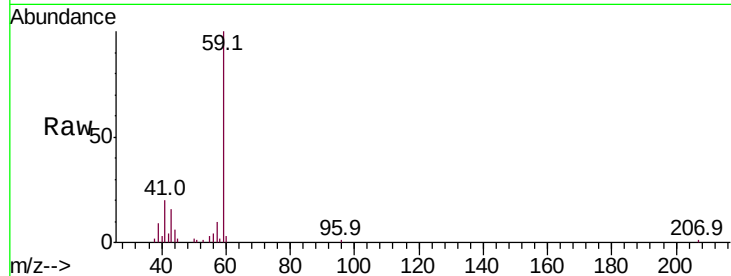
ClientSampled :

Tot Ion: 59 Resp: 53422

Ion Ratio Lower Upper

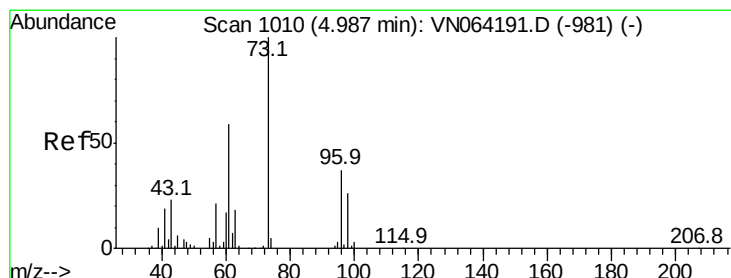
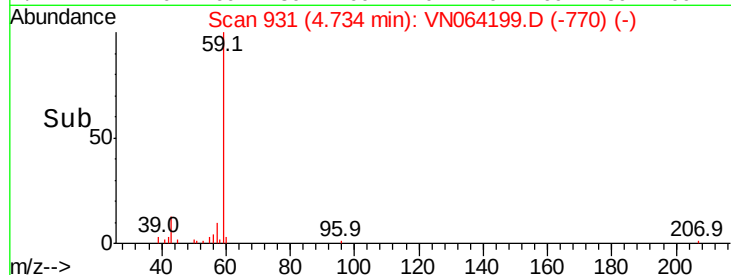
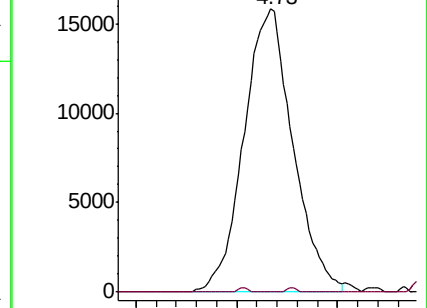
59 100

52 0.3 0.0 0.0#



Abundance Ion 59.00 (58.70 to 59.70): VN064199.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN064199.D (-907) (-)



#24

Methyl tert-Butyl Ether

Concen: 9.221 ug/l

RT: 4.98 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VN064199.D

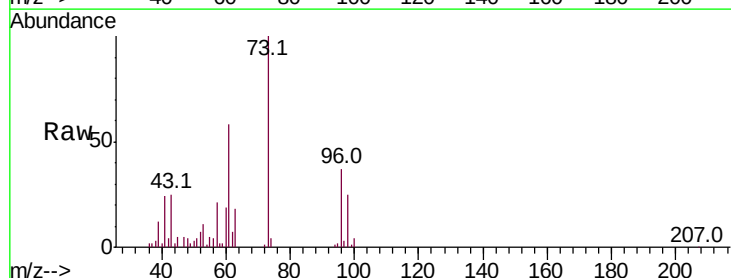
Acq: 20 Oct 2020 16:43

Tgt Ion: 73 Resp: 83102

Ion Ratio Lower Upper

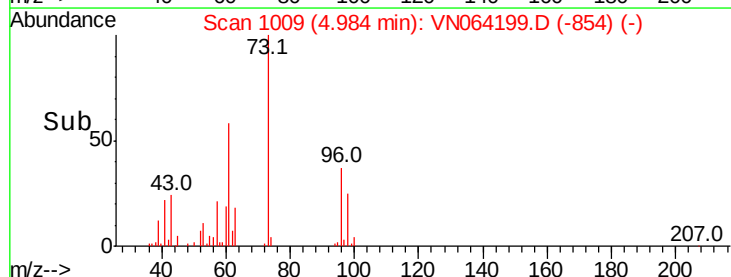
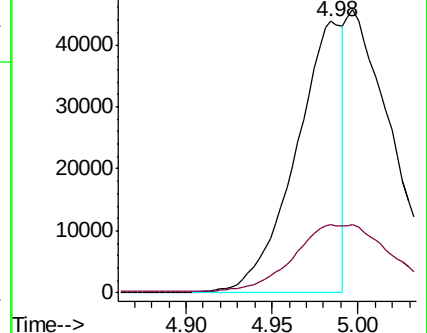
73 100

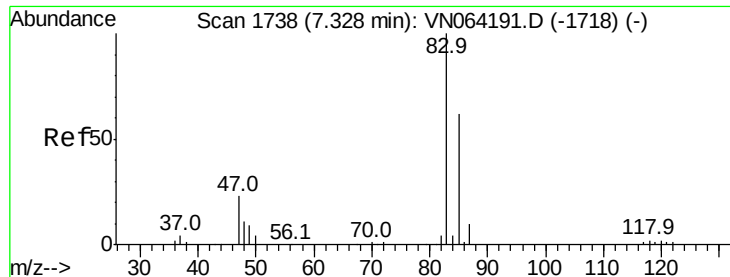
43 25.5 18.2 27.2



Abundance Ion 73.00 (72.70 to 73.70): VN064199.D (-981) (-)

Ion 43.00 (42.70 to 43.70): VN064199.D (-981) (-)

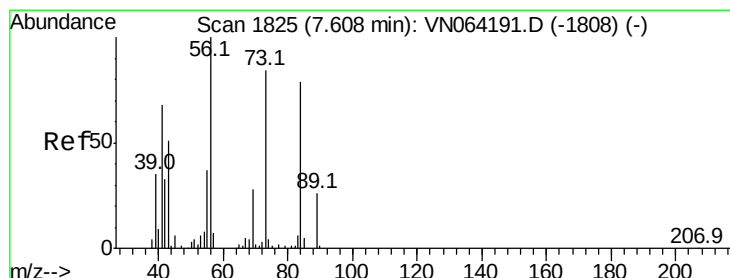
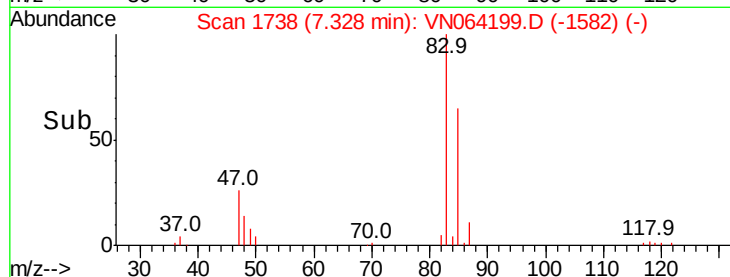
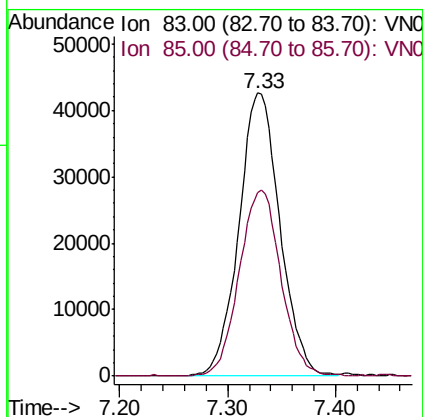
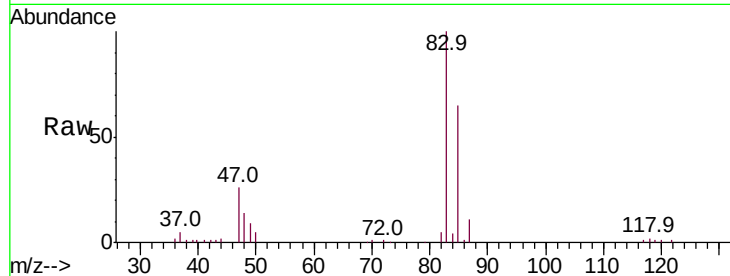




#25
Chloroform
Concen: 18.998 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

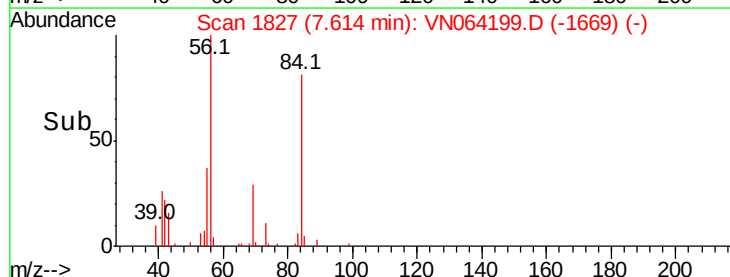
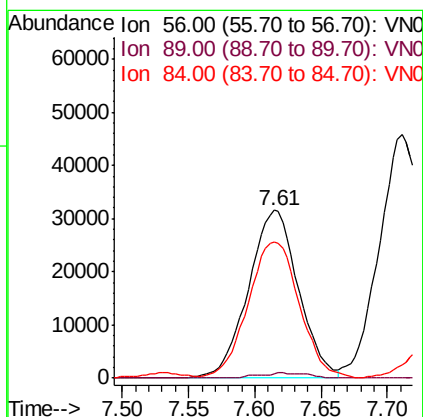
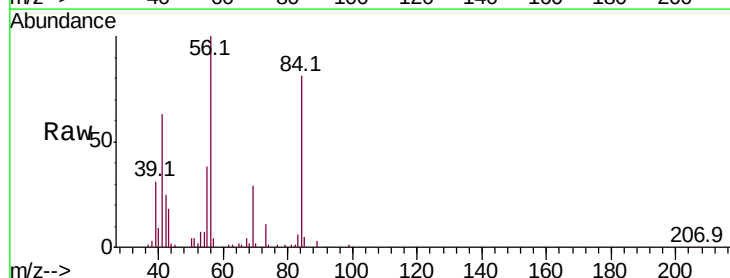
Instrument :
MSVOA_N
ClientSampleId :

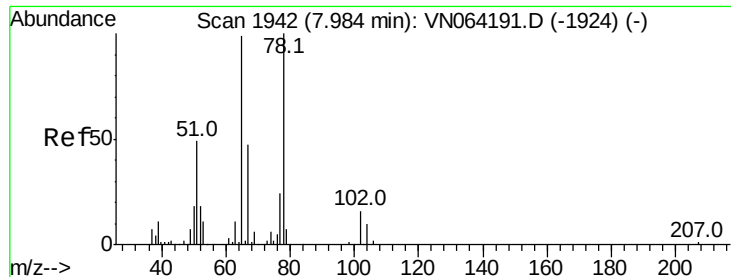
Tot Ion: 83 Resp: 112933
Ion Ratio Lower Upper
83 100
85 64.9 49.7 74.5



#26
Cyclohexane
Concen: 18.322 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 56 Resp: 83115
Ion Ratio Lower Upper
56 100
89 0.4 21.4 32.0#
84 83.3 65.8 98.6





#27

1,2-Dichloroethane-d4

Concen: 33.368 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

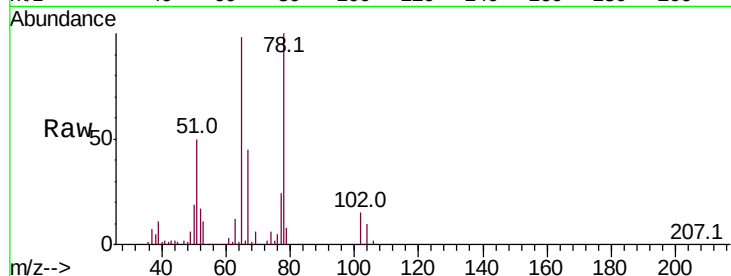
ClientSampleId :

Tot Ion: 65 Resp: 130574

Ion Ratio Lower Upper

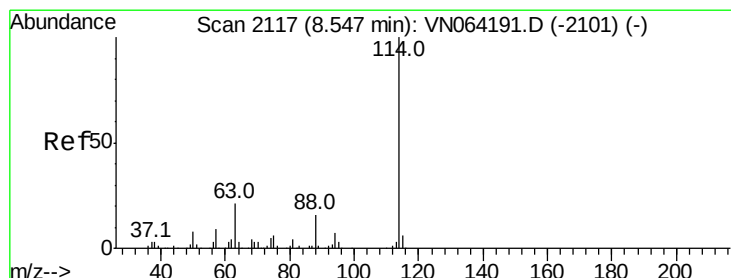
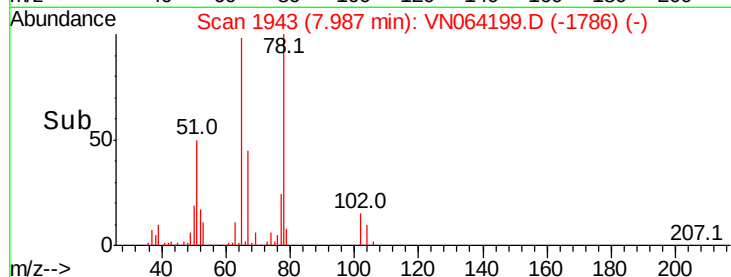
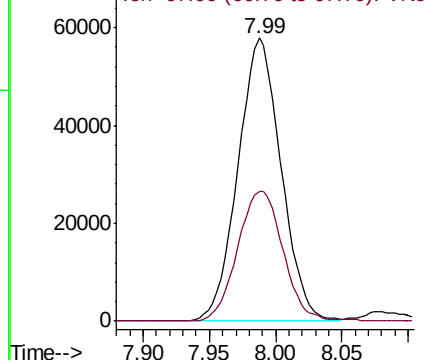
65 100

67 48.3 39.8 59.6



Abundance Ion 65.00 (64.70 to 65.70): VN064199.D (-1924) (-)

Ion 67.00 (66.70 to 67.70): VN064199.D (-1924) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

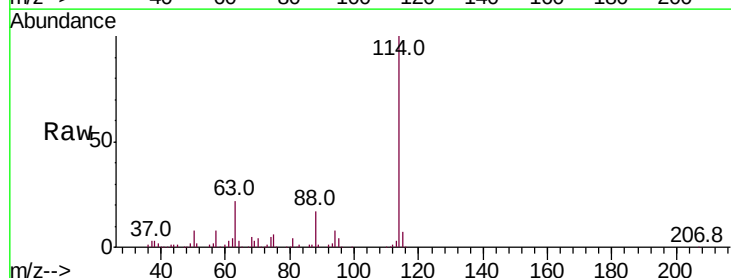
Tgt Ion: 114 Resp: 281665

Ion Ratio Lower Upper

114 100

63 21.9 17.0 25.4

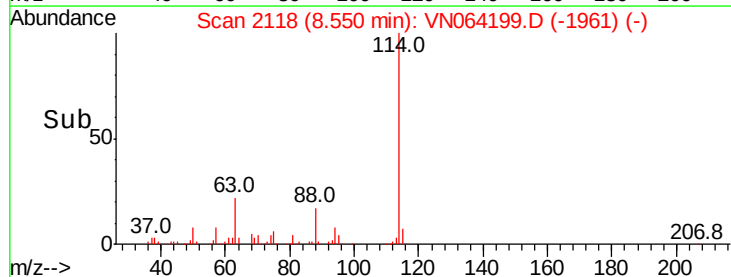
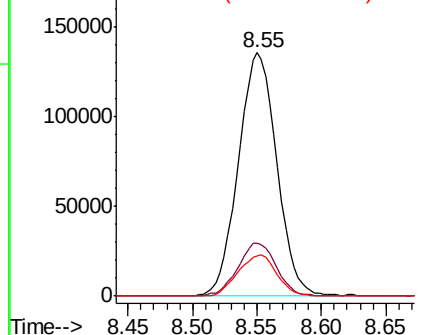
88 17.1 13.0 19.4

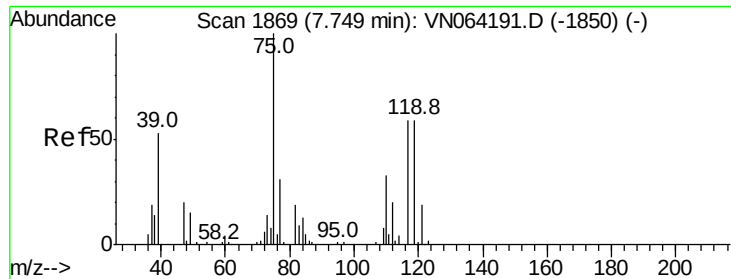


Abundance Ion 114.00 (113.70 to 114.70): VN064199.D (-1961) (-)

Ion 63.00 (62.70 to 63.70): VN064199.D (-1961) (-)

Ion 88.00 (87.70 to 88.70): VN064199.D (-1961) (-)

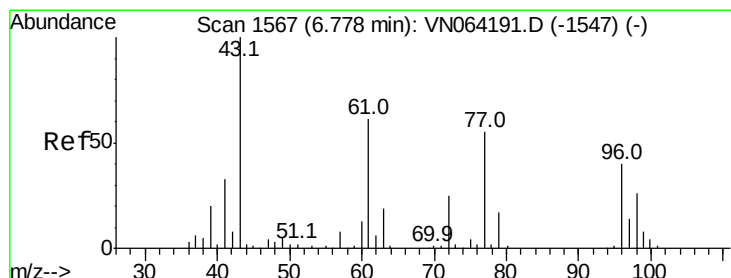
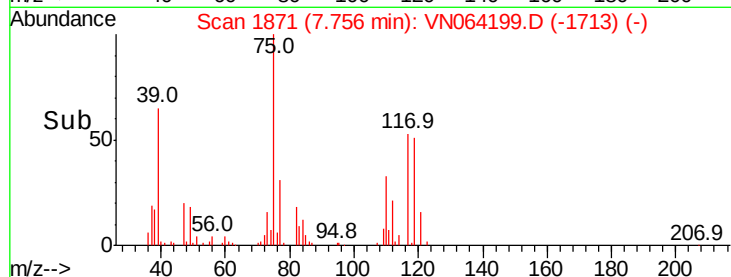
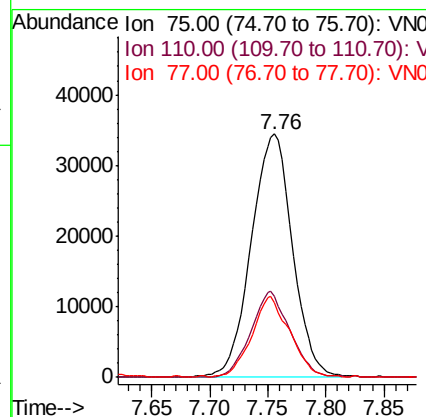
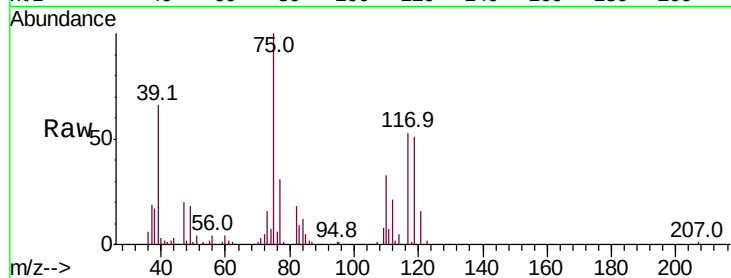




#29
 1,1-Dichloropropene
 Concen: 18.248 ug/l
 RT: 7.76 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

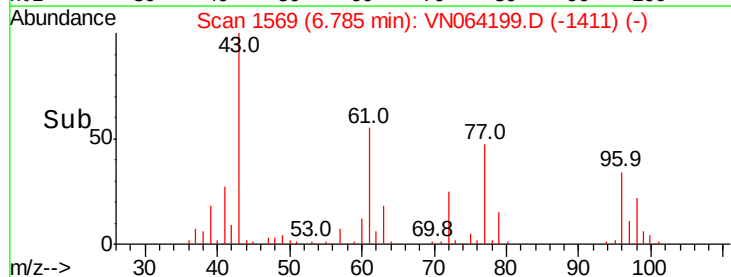
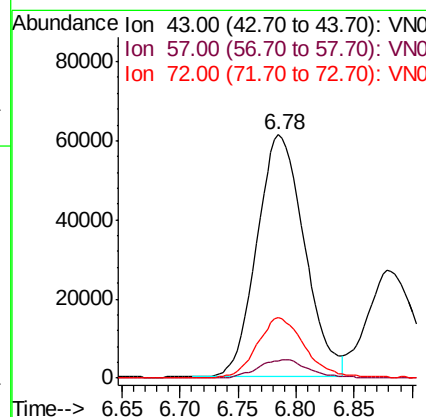
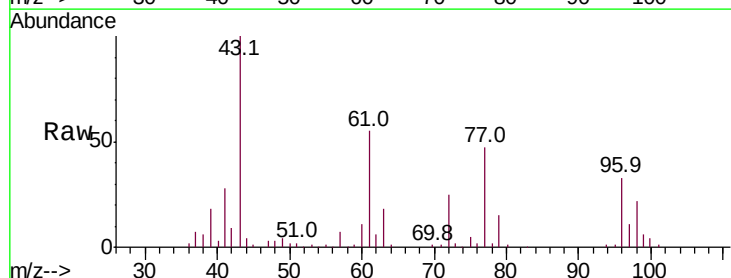
Instrument :
 MSVOA_N
 ClientSampleId :

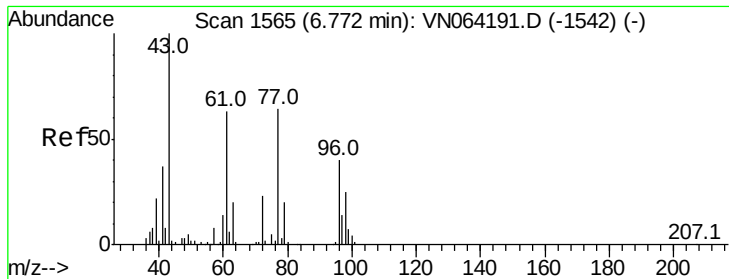
Tot Ion: 75 Resp: 85359
 Ion Ratio Lower Upper
 75 100
 110 33.2 0.0 66.8
 77 30.7 0.0 63.6



#30
 2-Butanone
 Concen: 90.785 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion: 43 Resp: 175120
 Ion Ratio Lower Upper
 43 100
 57 7.9 5.8 8.6
 72 25.1 19.8 29.8

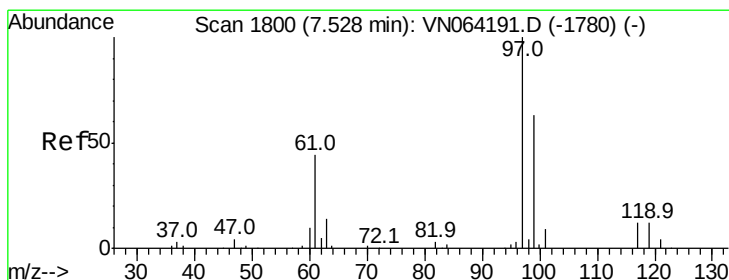
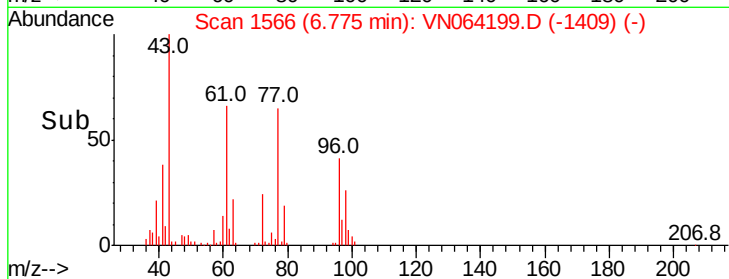
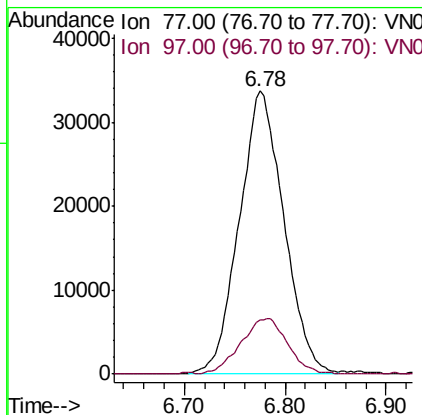
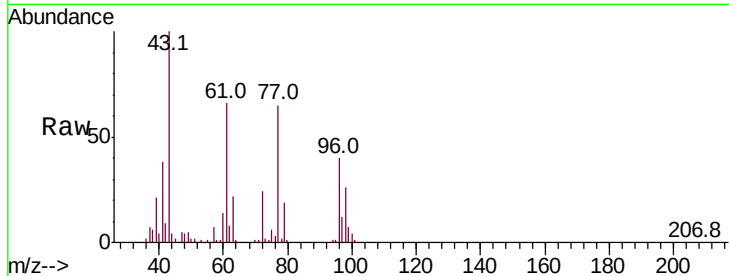




#31
 2,2-Dichloropropane
 Concen: 17.438 ug/l
 RT: 6.78 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

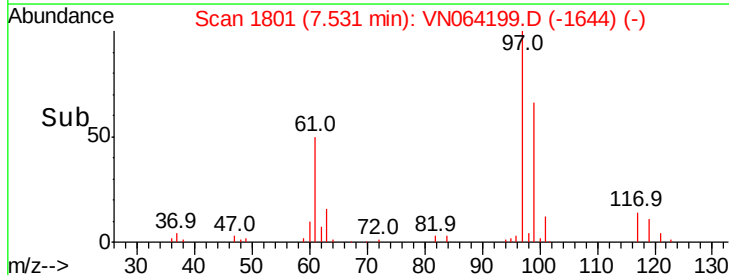
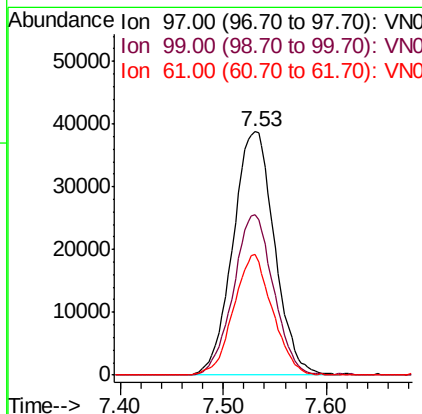
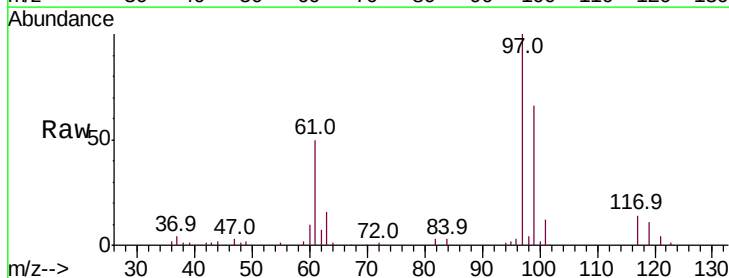
Instrument :
 MSVOA_N
 ClientSampleId :

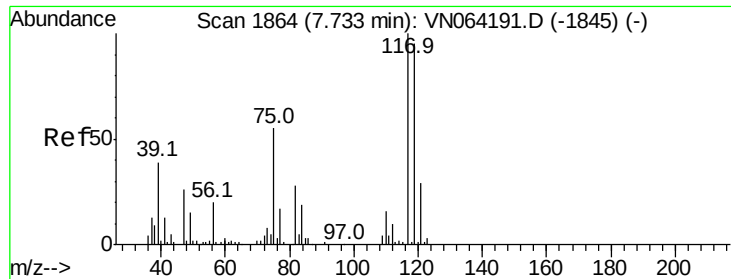
Tot Ion: 77 Resp: 103557
 Ion Ratio Lower Upper
 77 100
 97 20.7 17.3 25.9



#32
 1,1,1-Trichloroethane
 Concen: 18.254 ug/l
 RT: 7.53 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion: 97 Resp: 108793
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.3 76.9
 61 46.2 34.8 52.2





#33

Carbon Tetrachloride

Concen: 18.303 ug/l

RT: 7.74 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampled :

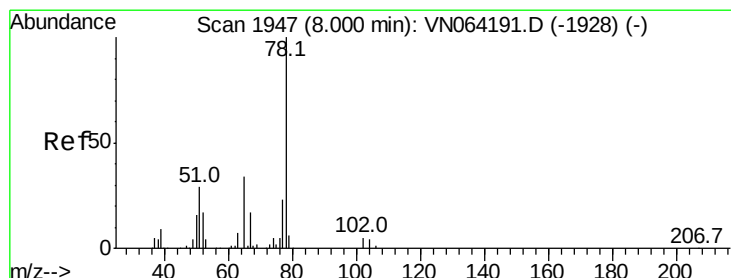
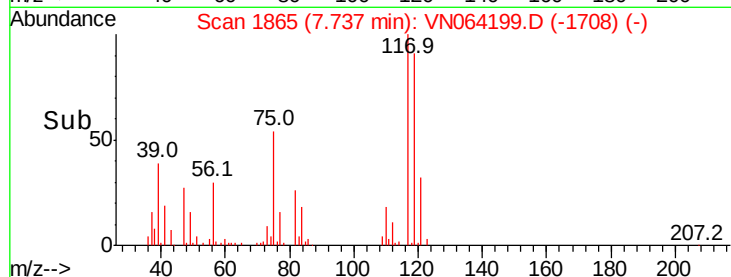
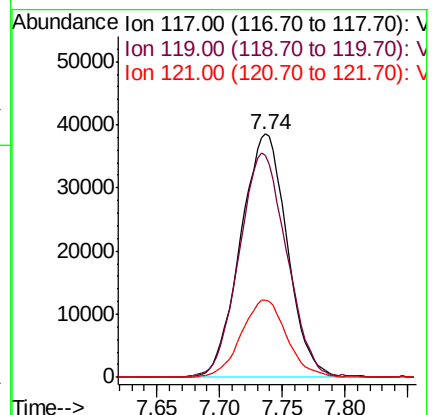
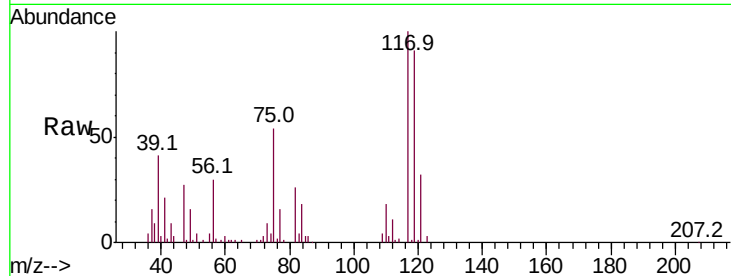
Tot Ion:117 Resp: 99449

Ion Ratio Lower Upper

117 100

119 90.3 76.0 114.0

121 31.9 23.0 34.6



#34

Benzene

Concen: 17.910 ug/l

RT: 8.00 min Scan# 1948

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

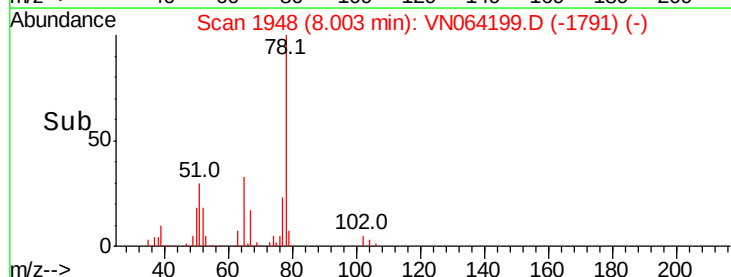
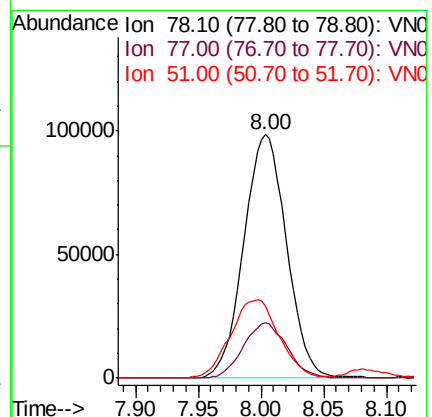
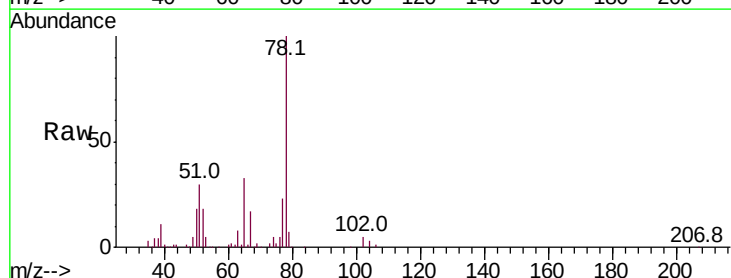
Tgt Ion: 78 Resp: 233293

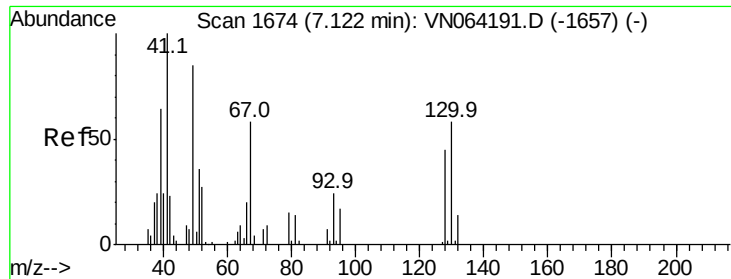
Ion Ratio Lower Upper

78 100

77 22.8 18.4 27.6

51 29.3 23.0 34.6

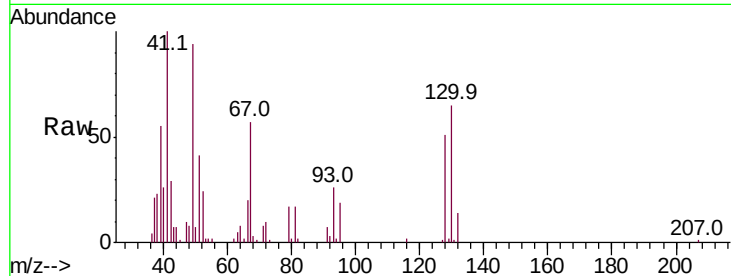




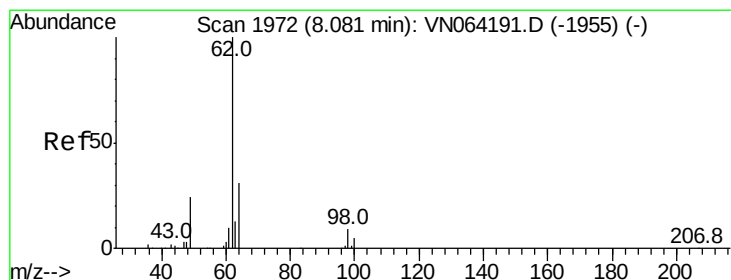
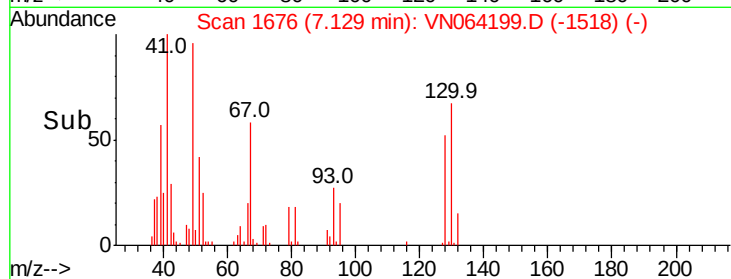
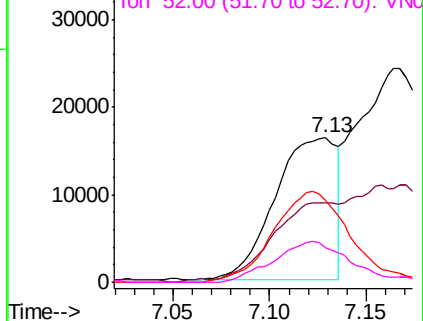
#35
Methacrylonitrile
Concen: 17.144 ug/l
RT: 7.13 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	36274
Ion	Ratio	Lower	Upper
41	100		
39	54.6	32.1	96.3
67	57.8	28.9	86.8
52	24.6	13.4	40.2

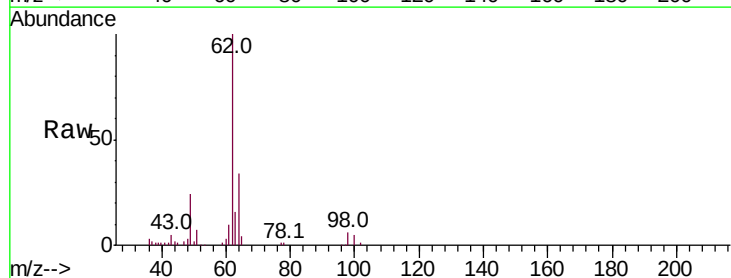


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

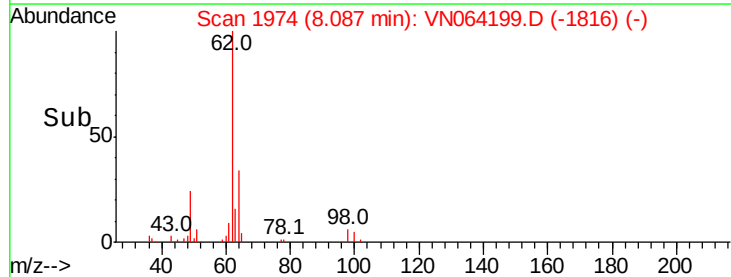
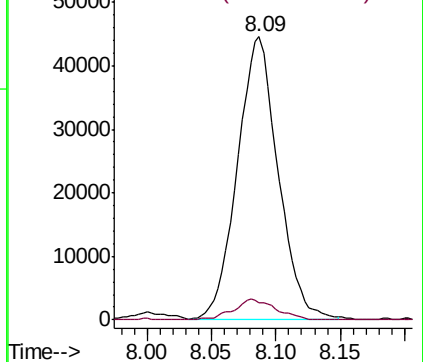


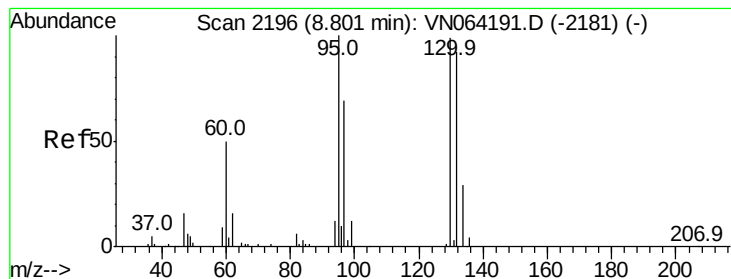
#36
1,2-Dichloroethane
Concen: 18.444 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.01 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion:	62	Resp:	97168
Ion	Ratio	Lower	Upper
62	100		
98	7.5	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: 17.826 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

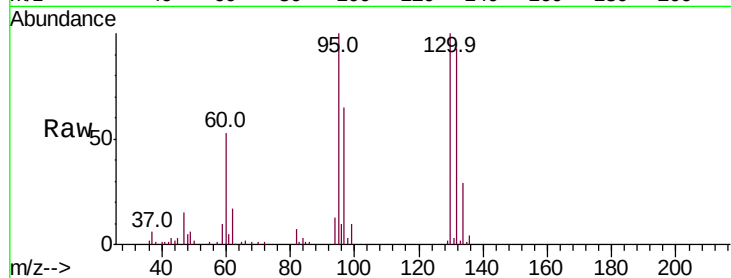
ClientSampleId :

Tot Ion:130 Resp: 63931

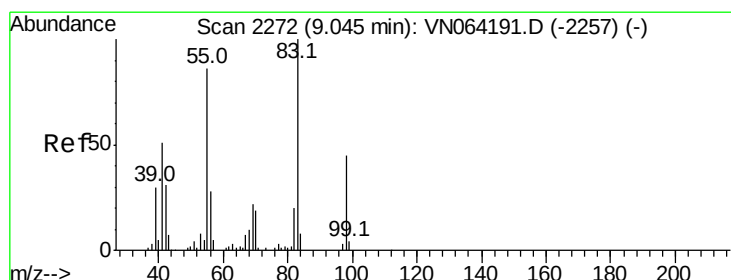
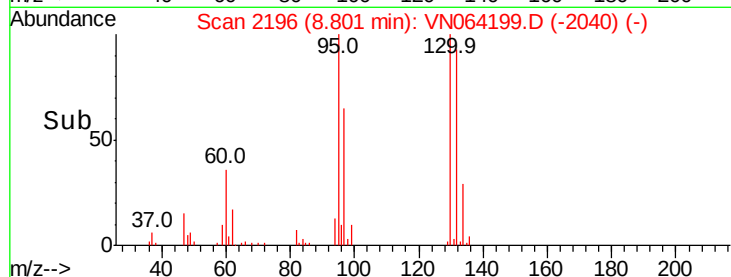
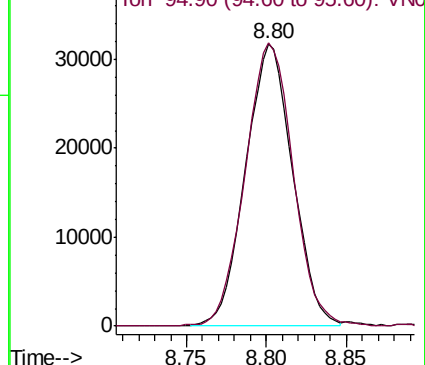
Ion Ratio Lower Upper

130 100

95 99.6 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): VN064199.D (-2181) (-)



#38

Methylcyclohexane

Concen: 16.976 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

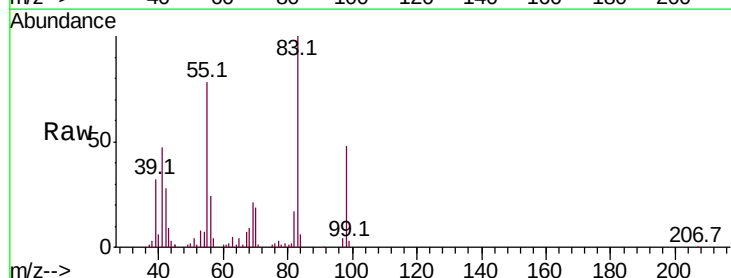
Tgt Ion: 83 Resp: 75945

Ion Ratio Lower Upper

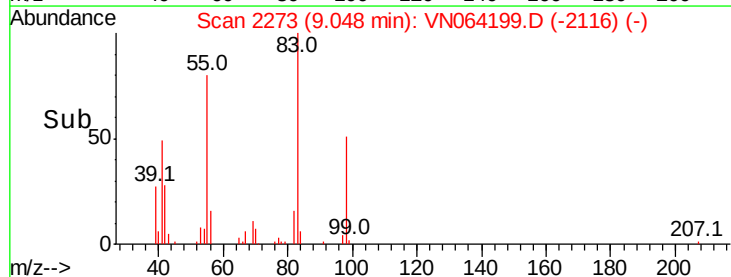
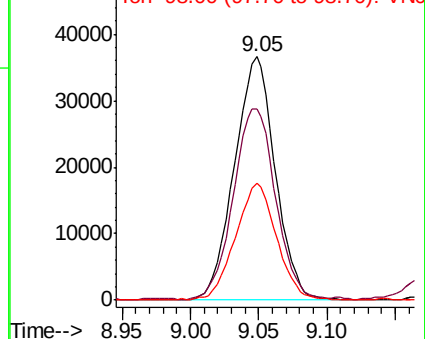
83 100

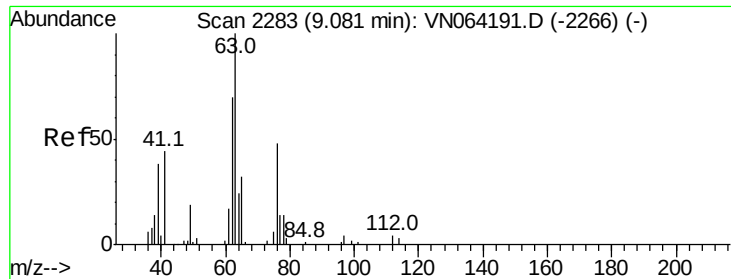
55 82.1 40.3 120.9

98 48.2 22.4 67.0



Abundance Ion 83.00 (82.70 to 83.70): VN064199.D (-2257) (-)





#39

1,2-Dichloropropane

Concen: 17.958 ug/l

RT: 9.09 min Scan# 2285

Delta R.T. 0.01 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

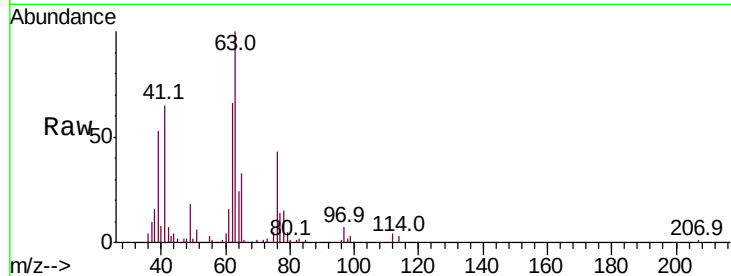
ClientSampleId :

Tot Ion: 63 Resp: 62423

Ion Ratio Lower Upper

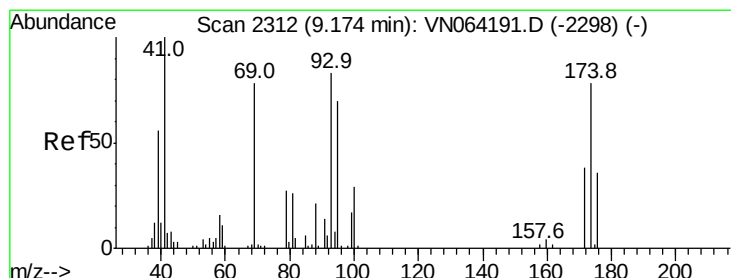
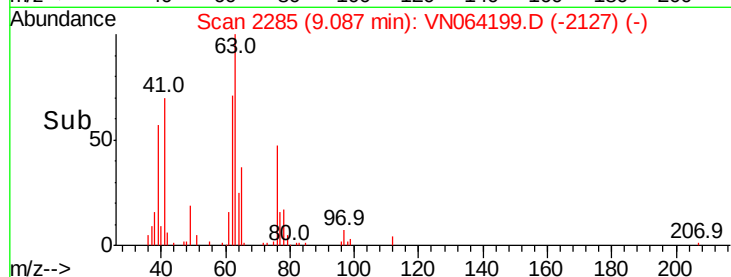
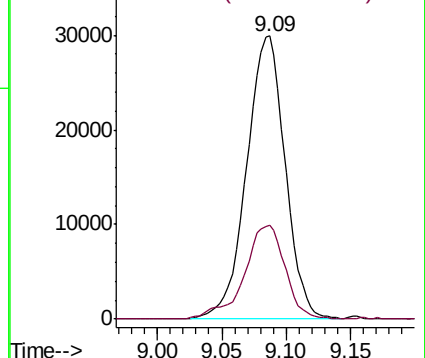
63 100

65 33.1 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: 17.806 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

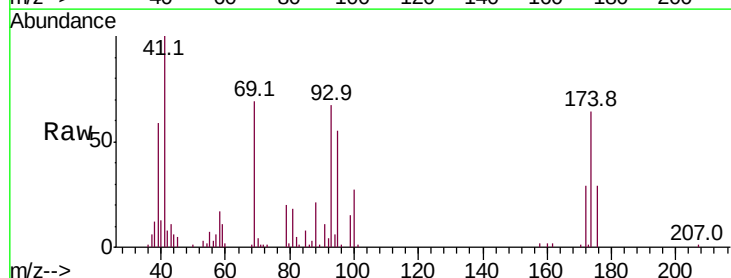
Tgt Ion: 93 Resp: 43065

Ion Ratio Lower Upper

93 100

95 85.0 0.0 169.2

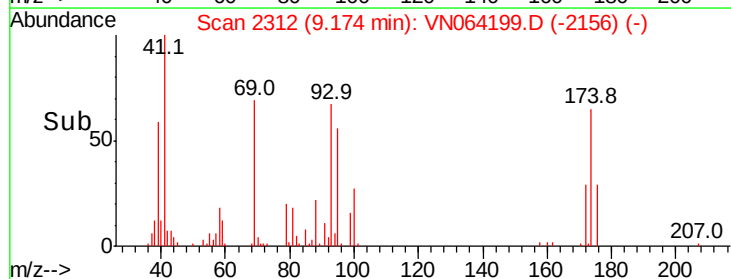
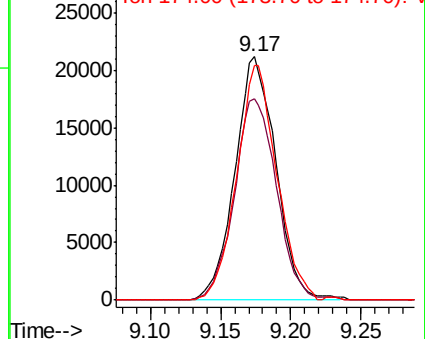
174 94.2 0.0 187.4

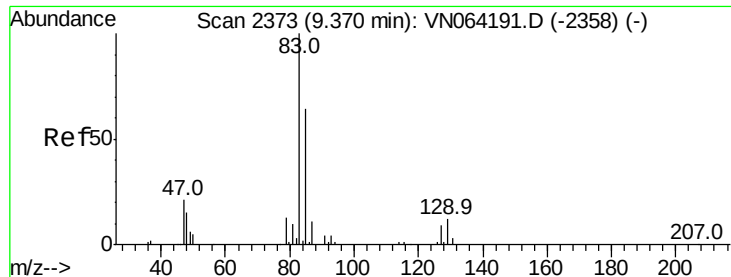


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 17.988 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

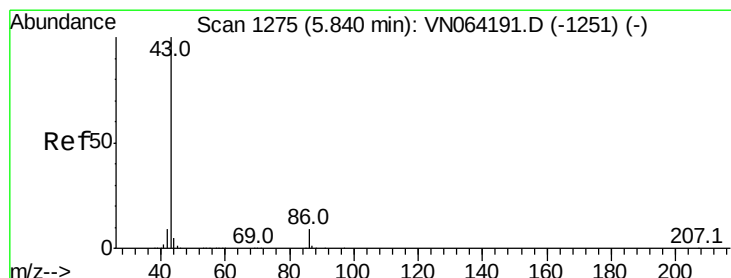
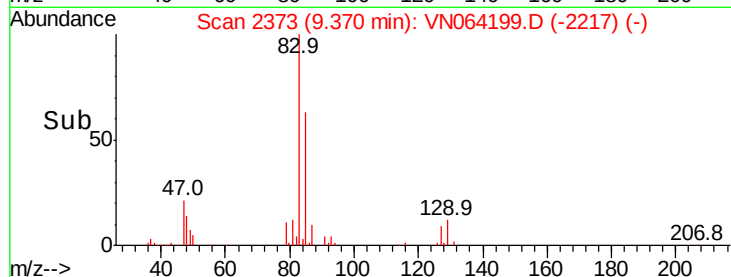
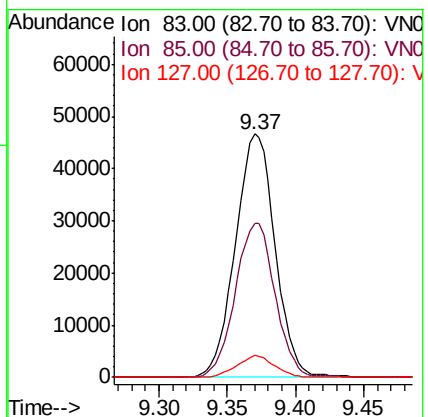
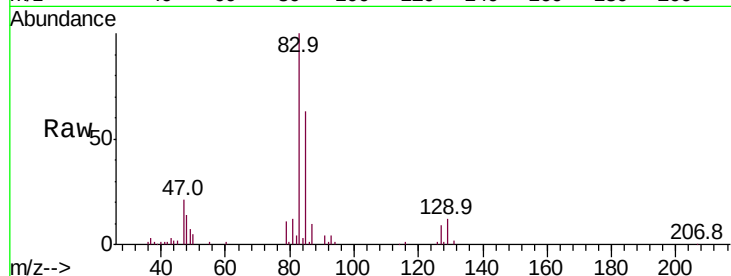
Tot Ion: 83 Resp: 94155

Ion Ratio Lower Upper

83 100

85 63.5 51.5 77.3

127 8.9 6.8 10.2



#42

Vinyl Acetate

Concen: 90.730 ug/l

RT: 5.84 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VN064199.D

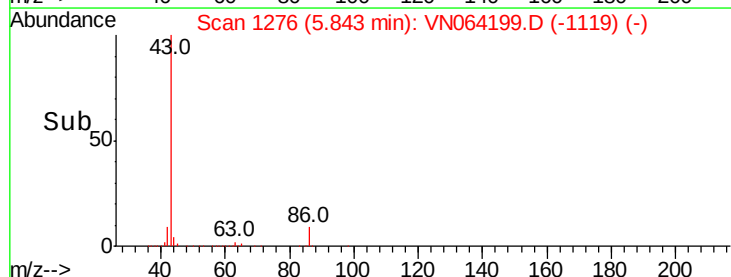
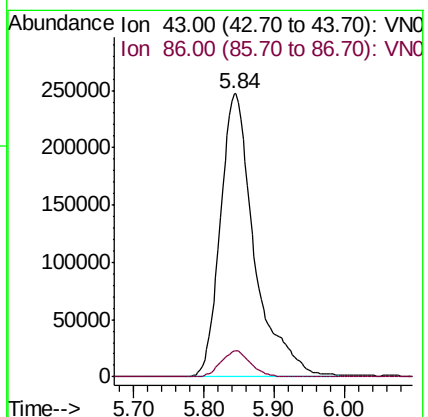
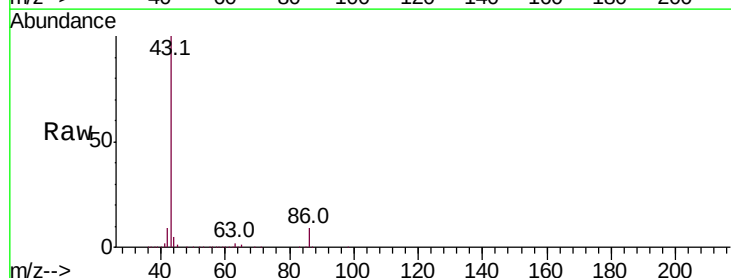
Acq: 20 Oct 2020 16:43

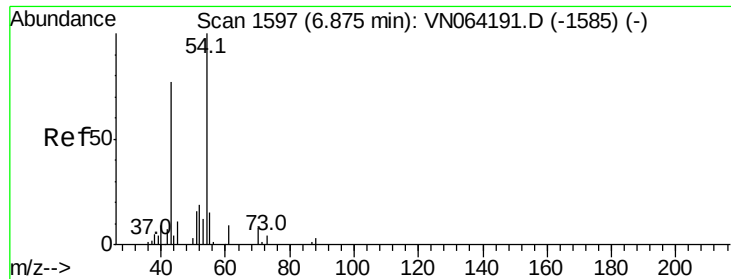
Tgt Ion: 43 Resp: 830870

Ion Ratio Lower Upper

43 100

86 8.2 6.7 10.1

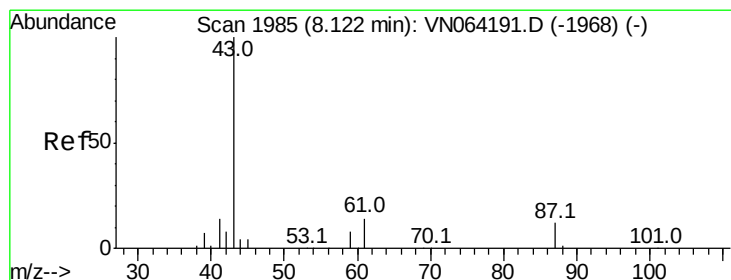
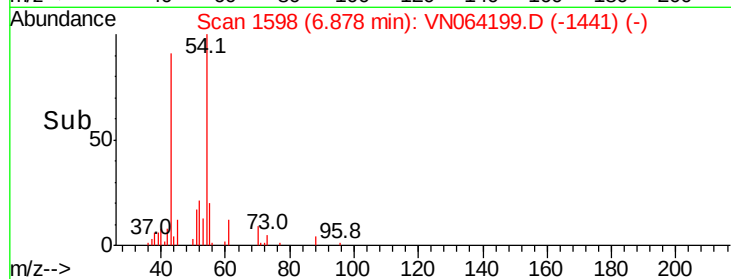
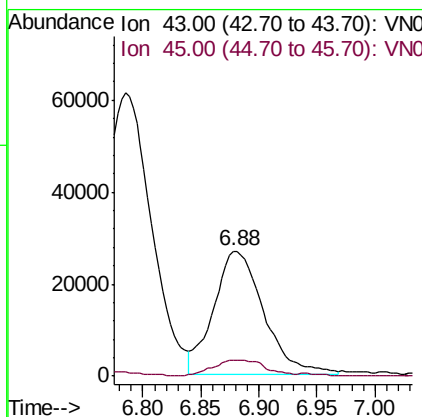
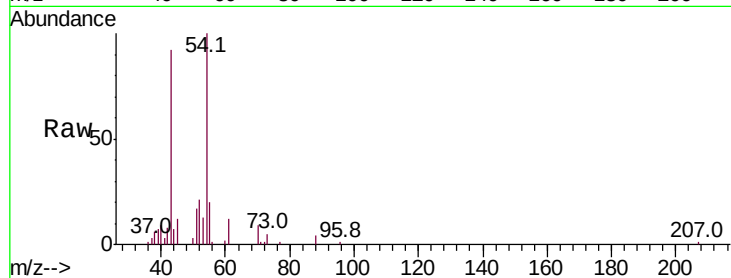




#43
Ethyl Acetate
Concen: 19.372 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

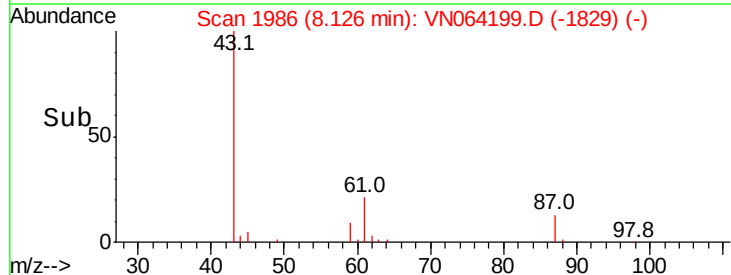
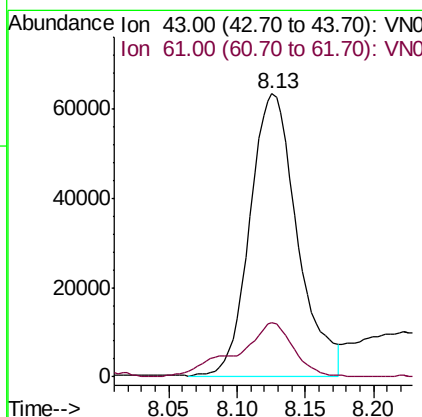
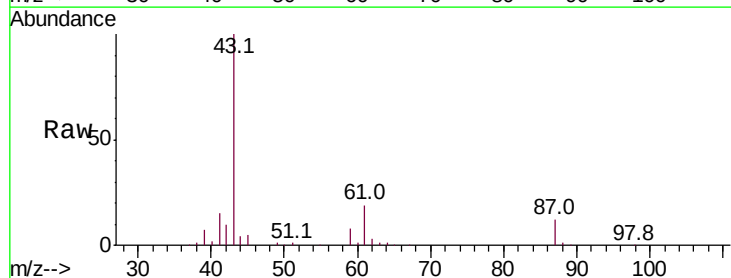
Instrument :
MSVOA_N
ClientSampled :

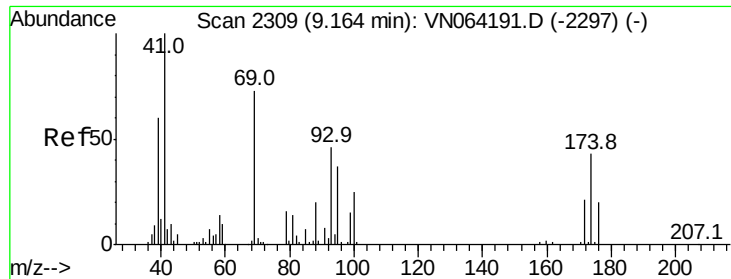
Tot Ion: 43 Resp: 81611
Ion Ratio Lower Upper
43 100
45 6.6 9.8 14.8#



#44
Isopropyl Acetate
Concen: 18.845 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 43 Resp: 152415
Ion Ratio Lower Upper
43 100
61 17.1 18.7 28.1#





#45

1,4-Dioxane

Concen: 354.708 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampleId :

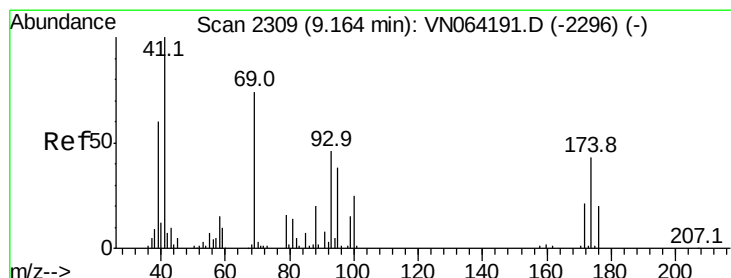
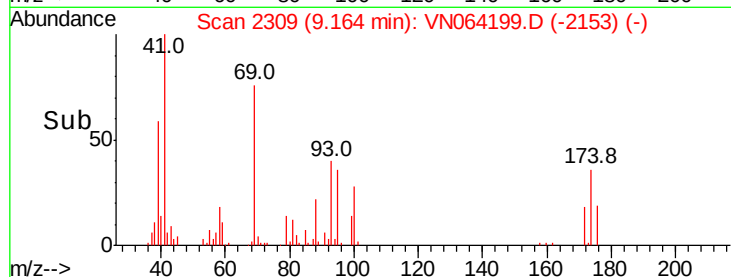
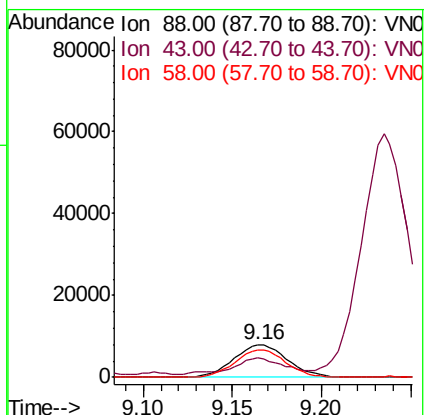
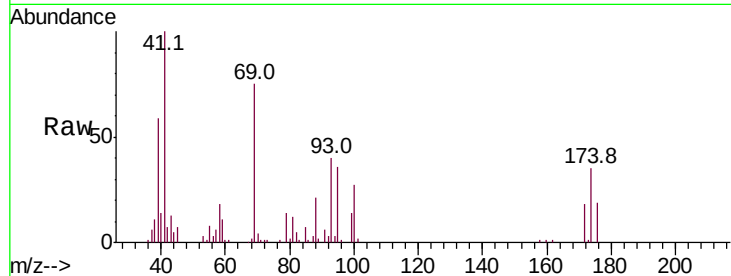
Tot Ion: 88 Resp: 16779

Ion Ratio Lower Upper

88 100

43 45.3 37.0 55.4

58 79.8 62.4 93.6



#46

Methyl methacrylate

Concen: 18.196 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

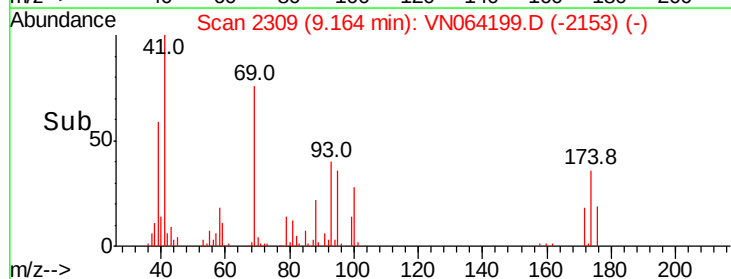
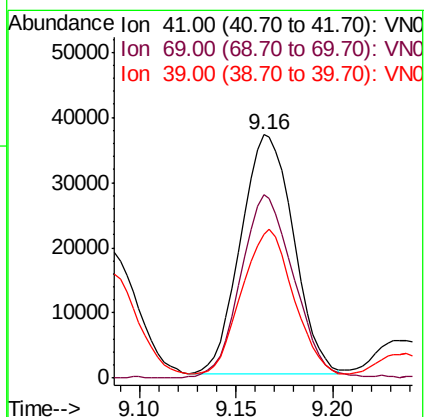
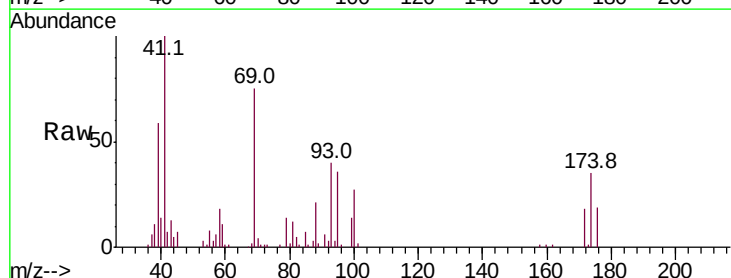
Tgt Ion: 41 Resp: 69831

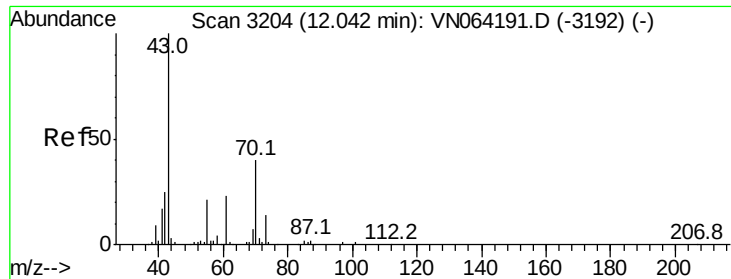
Ion Ratio Lower Upper

41 100

69 76.1 36.8 110.4

39 58.4 30.4 91.2





#47

n-amvl Acetate

Concen: 17.163 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

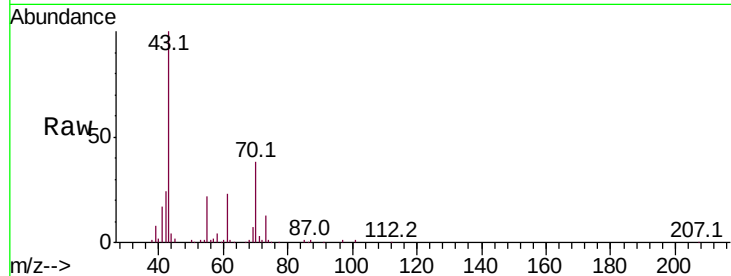
ClientSampled :

Tot Ion: 43 Resp: 123149

Ion Ratio Lower Upper

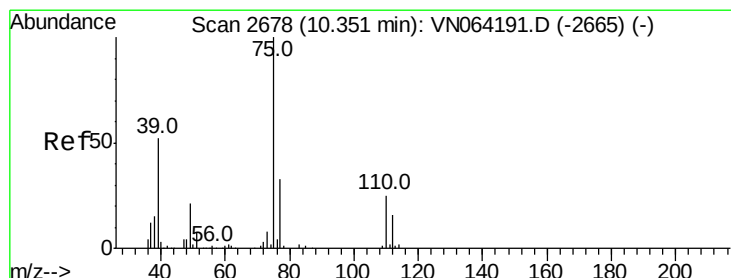
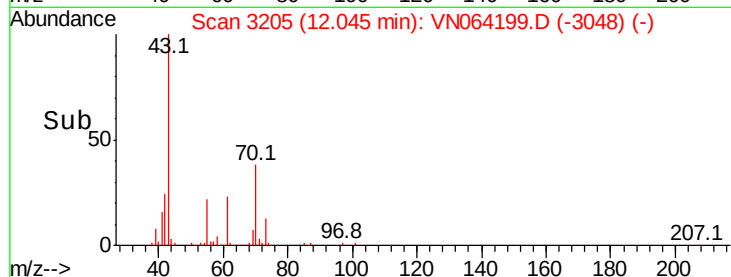
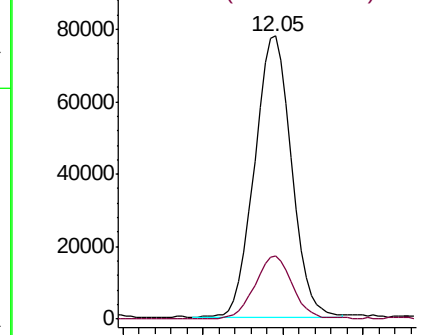
43 100

55 22.9 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#48

t-1,3-Dichloropropene

Concen: 17.741 ug/l

RT: 10.35 min Scan# 2679

Delta R.T. 0.00 min

Lab File: VN064199.D

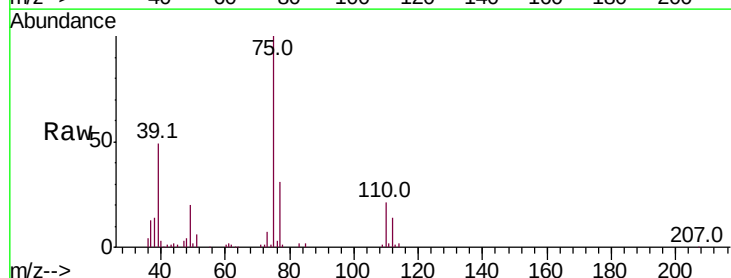
Acq: 20 Oct 2020 16:43

Tgt Ion: 75 Resp: 104729

Ion Ratio Lower Upper

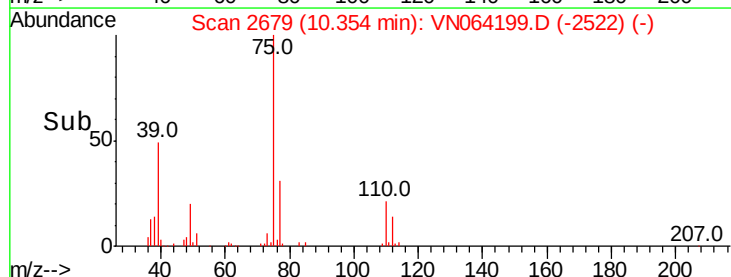
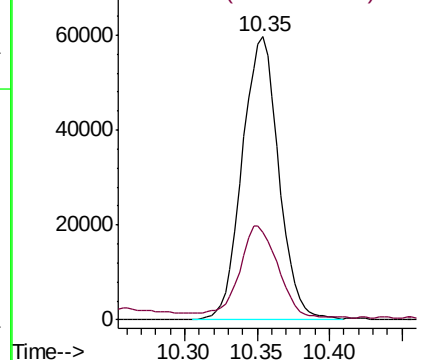
75 100

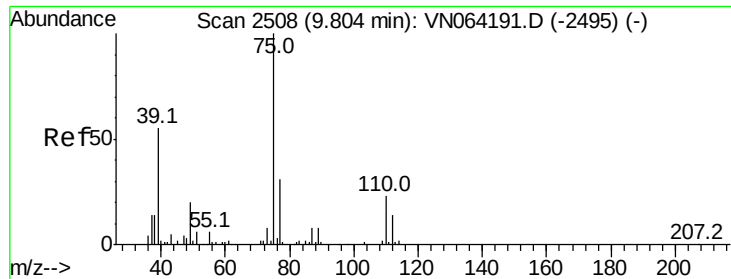
77 29.8 27.4 41.2



Abundance Ion 75.00 (74.70 to 75.70): VNO

Ion 77.00 (76.70 to 77.70): VNO



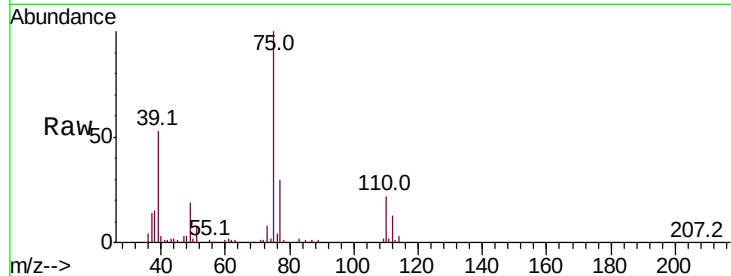


#49

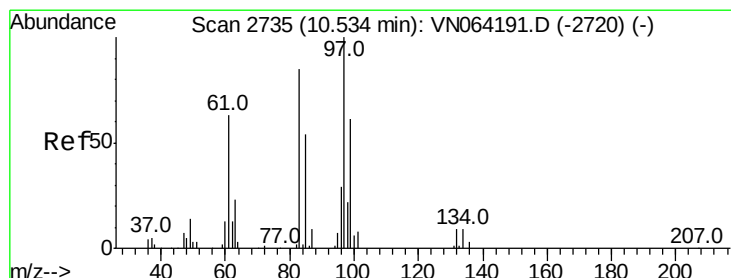
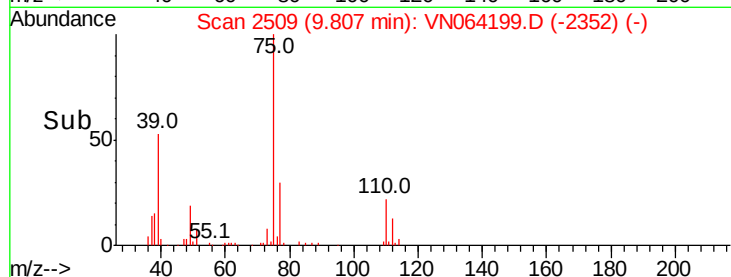
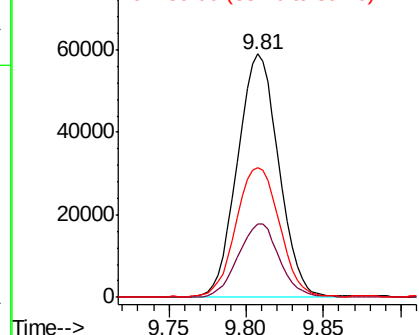
cis-1,3-Dichloropropene
 Concen: 17.959 ug/l
 RT: 9.81 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.5	36.7
39	53.1	43.8	65.8



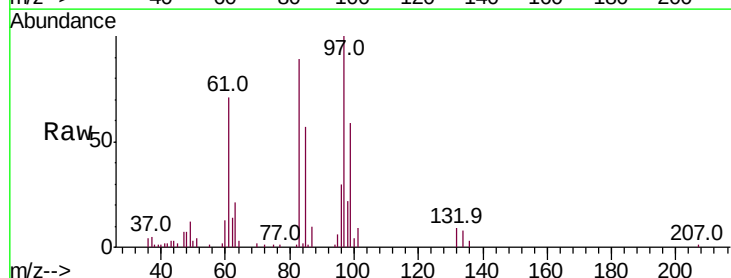
Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0



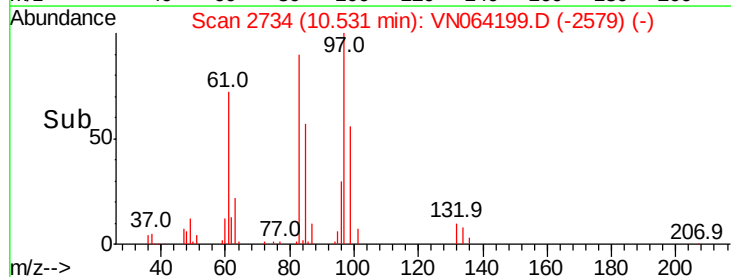
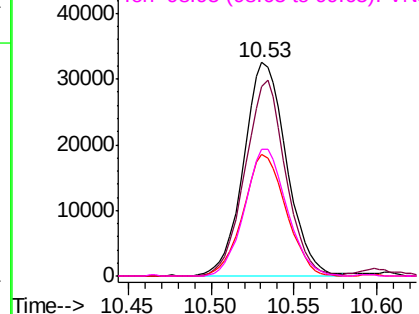
#50

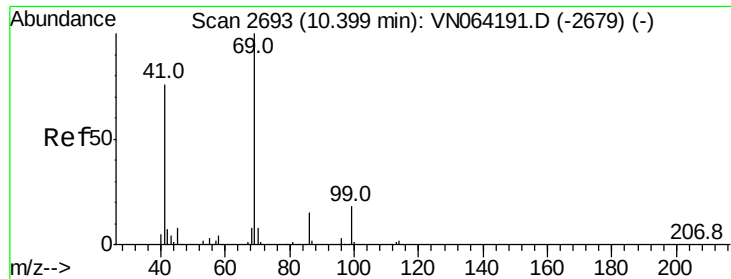
1,1,2-Trichloroethane
 Concen: 18.071 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.8	67.7	101.5
85	56.9	43.2	64.8
99	59.1	49.2	73.8



Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0





#51

Ethyl methacrylate

Concen: 17.319 ug/l

RT: 10.40 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

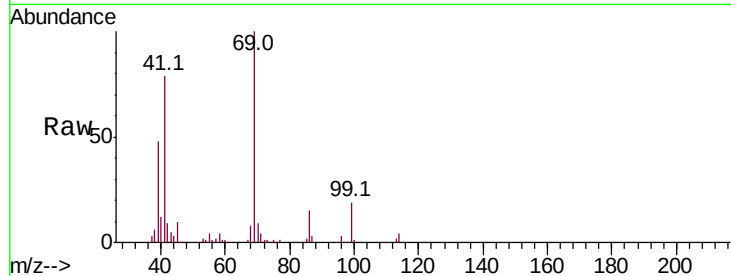
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 69 Resp: 88739

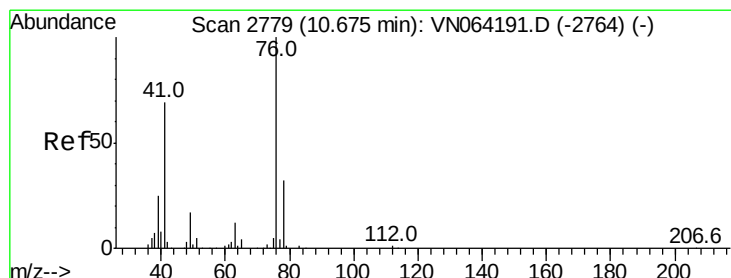
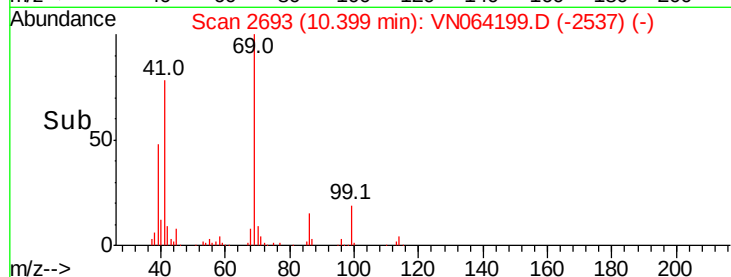
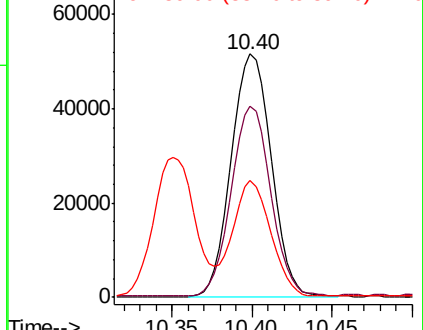
Ion	Ratio	Lower	Upper
69	100		
41	78.0	38.0	114.1
39	47.1	21.4	64.3



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 17.610 ug/l

RT: 10.68 min Scan# 2780

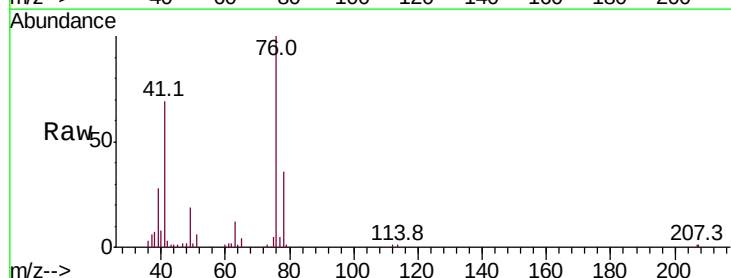
Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

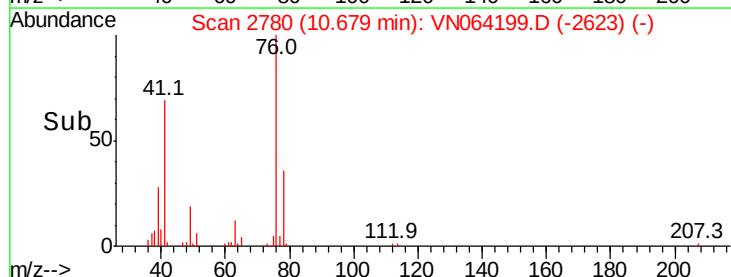
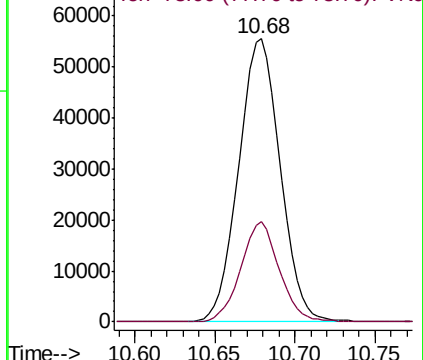
Tgt Ion: 76 Resp: 98375

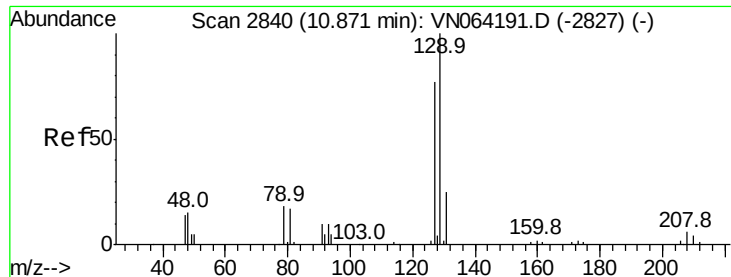
Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	64.4



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.318 ug/l

RT: 10.87 min Scan# 2841

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

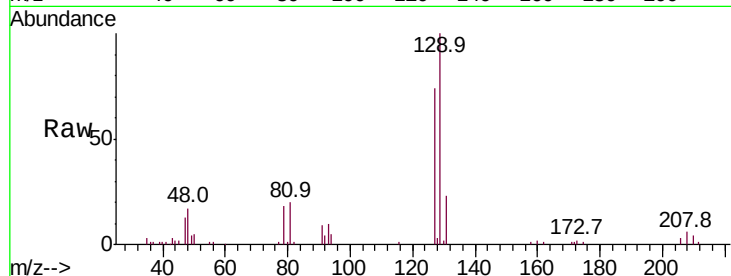
ClientSampled :

Tot Ion:129 Resp: 70625

Ion Ratio Lower Upper

129 100

127 77.9 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

40000

30000

20000

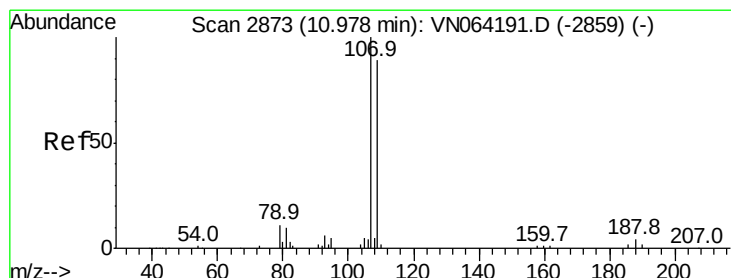
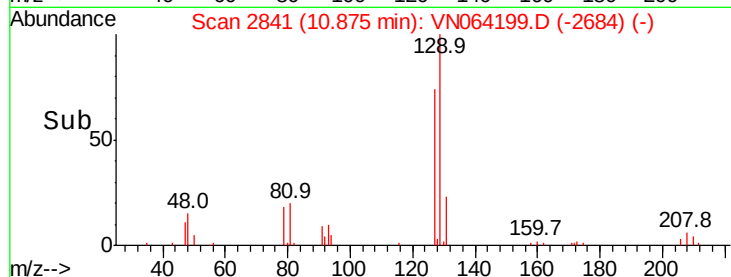
10000

0

10.87

10.80 10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 18.075 ug/l

RT: 10.98 min Scan# 2873

Delta R.T. 0.00 min

Lab File: VN064199.D

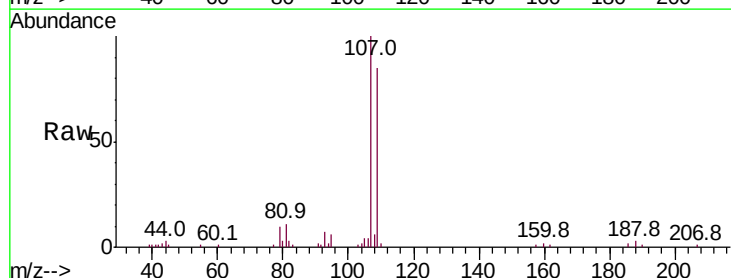
Acq: 20 Oct 2020 16:43

Tgt Ion:107 Resp: 62253

Ion Ratio Lower Upper

107 100

109 87.6 71.8 107.8



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

40000

30000

20000

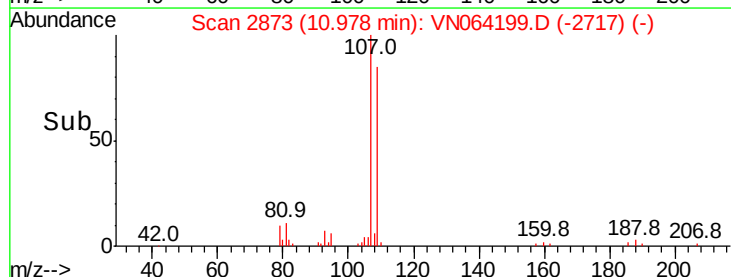
10000

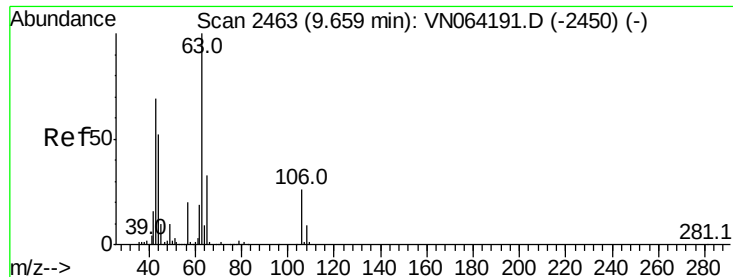
0

10.98

10.90 10.95 11.00 11.05

Time-->





#55

2-Chloroethyl vinyl ether

Concen: 93.666 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

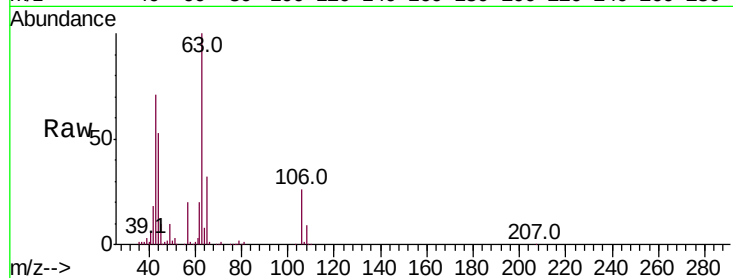
Tot Ion: 63 Resp: 235871

Ion Ratio Lower Upper

63 100

65 32.1 25.9 38.9

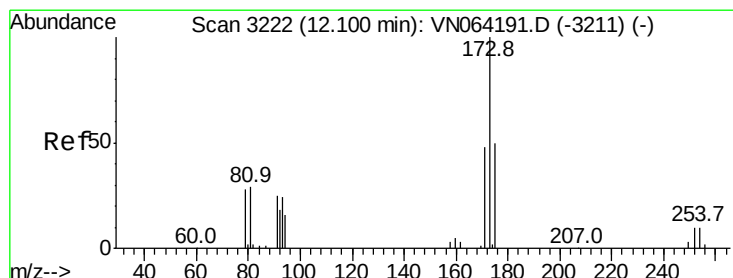
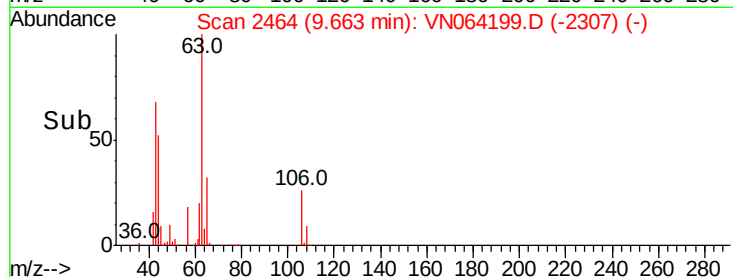
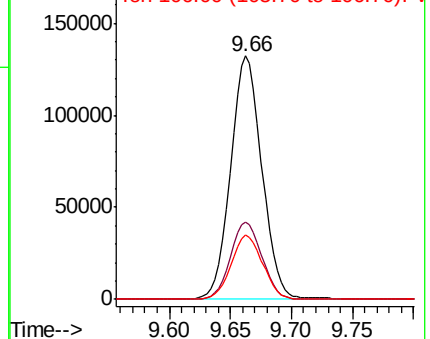
106 26.6 21.4 32.2



Abundance Ion 63.00 (62.70 to 63.70): VN064199.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN064199.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN064199.D (-2450) (-)



#56

Bromoform

Concen: 16.614 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

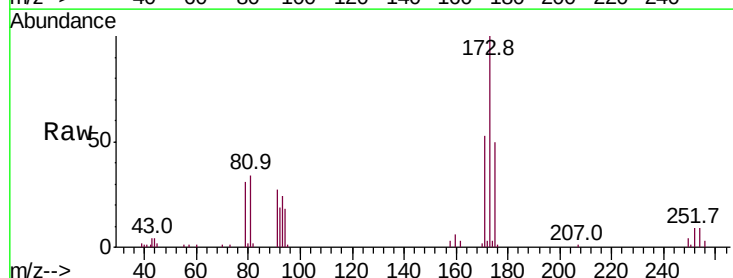
Tgt Ion: 173 Resp: 47186

Ion Ratio Lower Upper

173 100

175 49.7 39.0 58.4

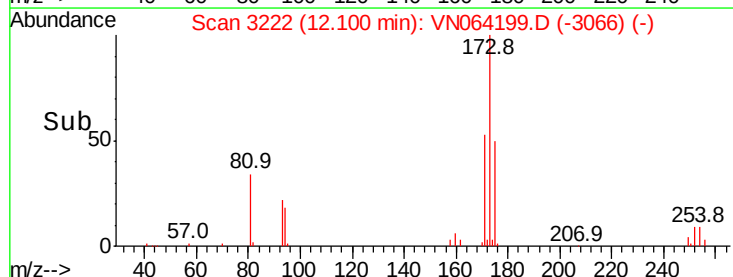
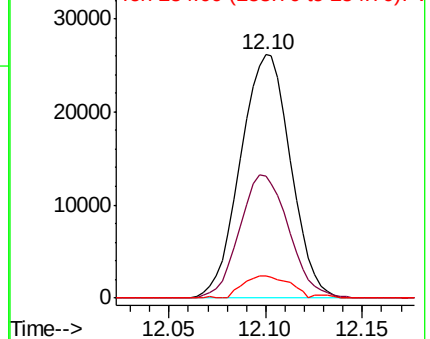
254 8.4 6.8 10.2

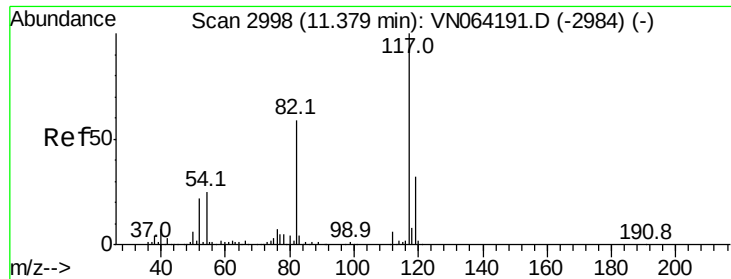


Abundance Ion 173.00 (172.70 to 173.70): VN064199.D (-3066) (-)

Ion 175.00 (174.70 to 175.70): VN064199.D (-3066) (-)

Ion 254.00 (253.70 to 254.70): VN064199.D (-3066) (-)

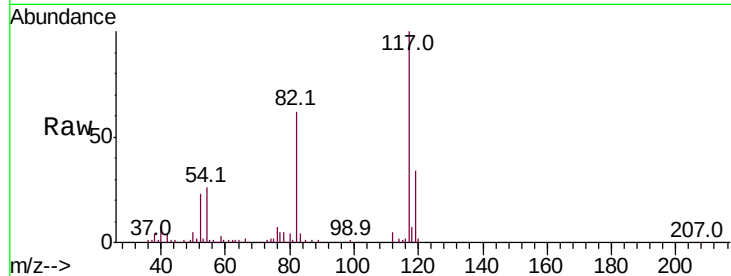




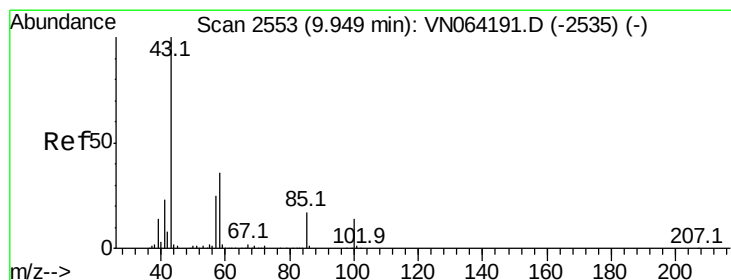
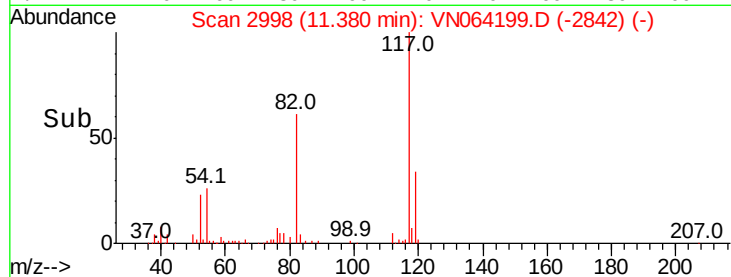
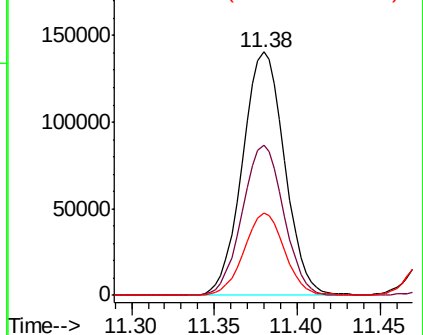
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.8	71.8
119	32.6	25.7	38.5

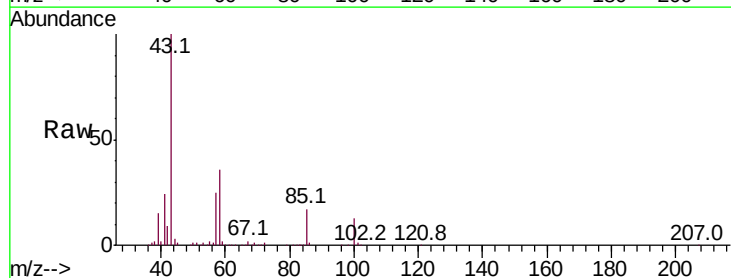


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

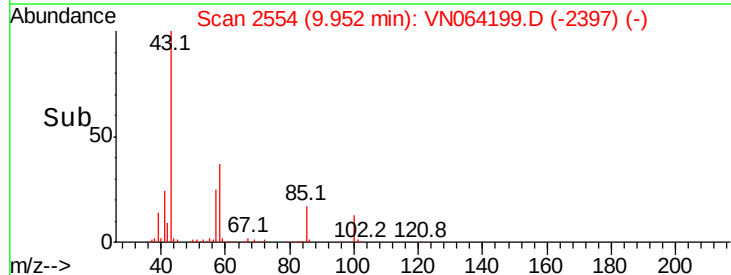
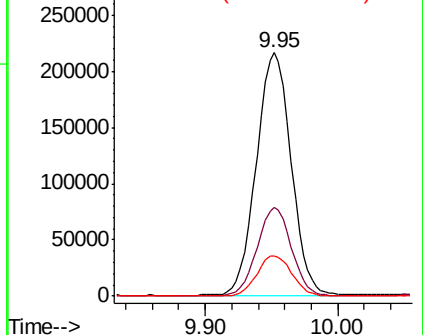


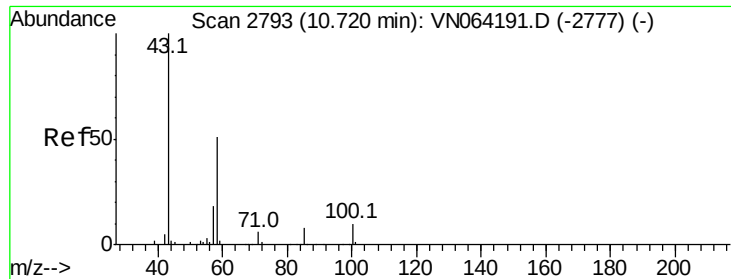
#58
4-Methyl-2-Pentanone
Concen: 93.350 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.3	29.5	44.3
85	16.8	13.7	20.5



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

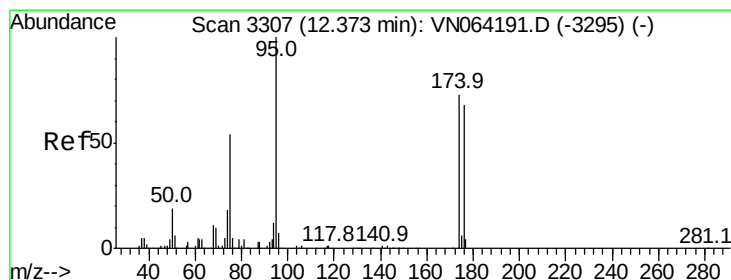
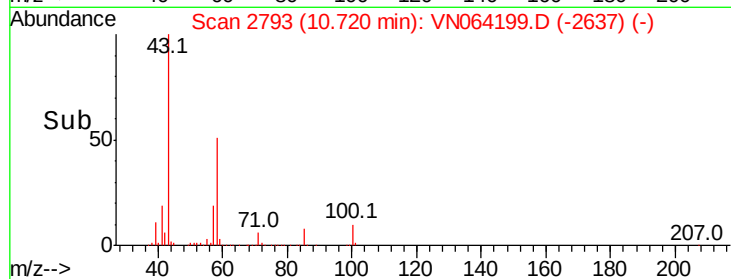
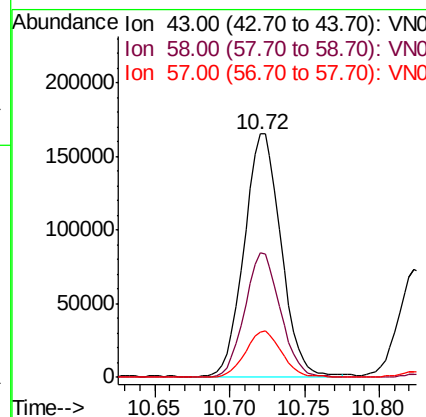
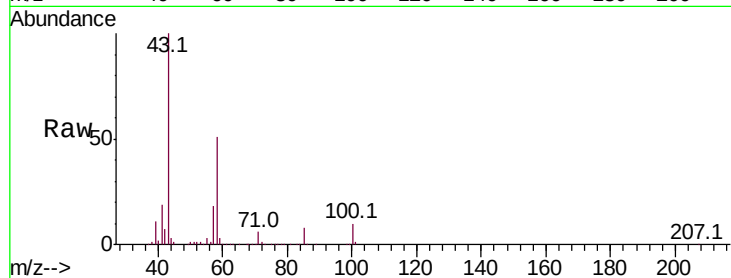




#59
2-Hexanone
Concen: 90.008 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

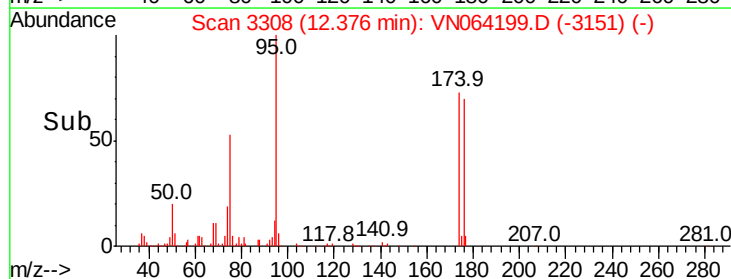
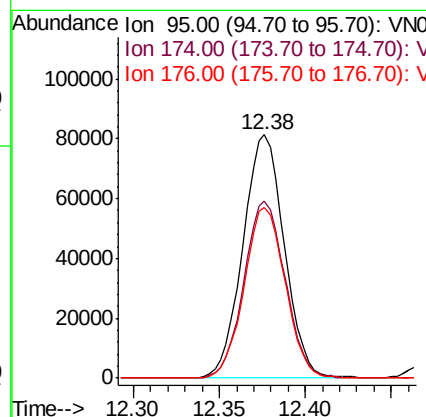
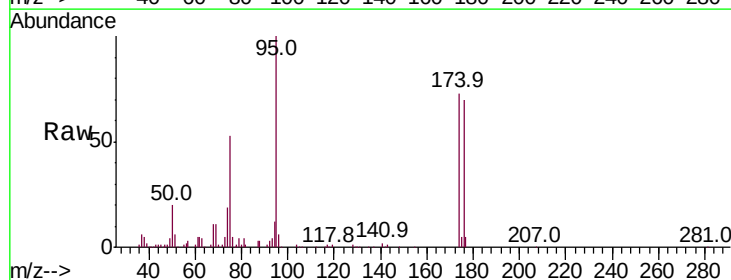
Instrument :
MSVOA_N
ClientSampled :

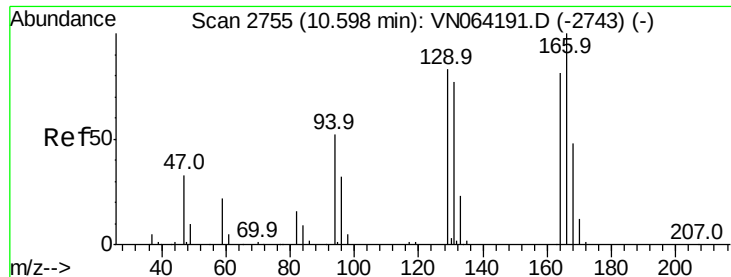
Tot Ion: 43 Resp: 281259
Ion Ratio Lower Upper
43 100
58 50.0 40.2 60.4
57 18.8 14.8 22.2



#60
4-Bromofluorobenzene
Concen: 30.478 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion: 95 Resp: 135666
Ion Ratio Lower Upper
95 100
174 72.6 57.6 86.4
176 69.6 54.9 82.3





#61

Tetrachloroethene

Concen: 17.930 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 60040

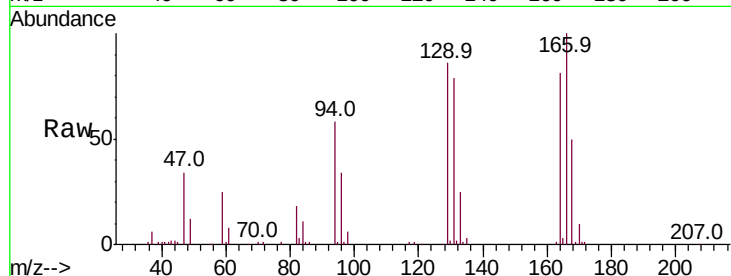
Ion Ratio Lower Upper

164 100

166 122.4 99.2 148.8

129 105.5 82.8 124.2

131 96.6 76.2 114.4



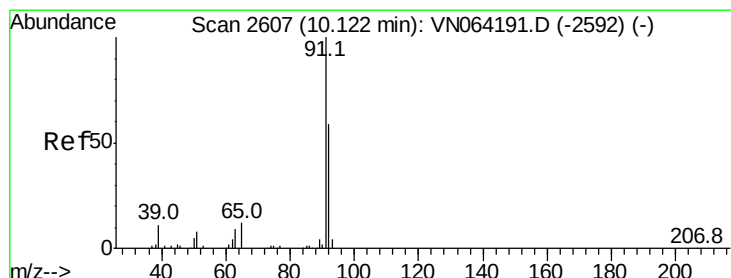
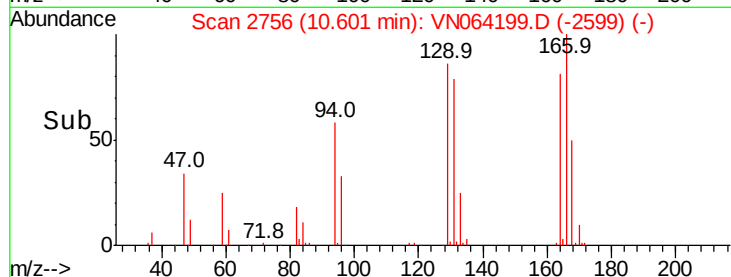
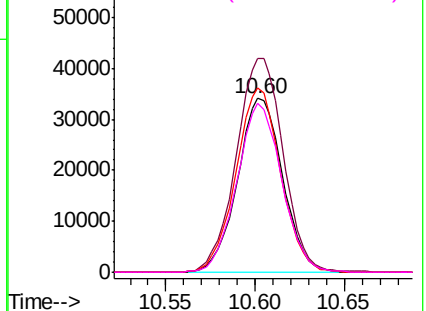
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 17.842 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN064199.D

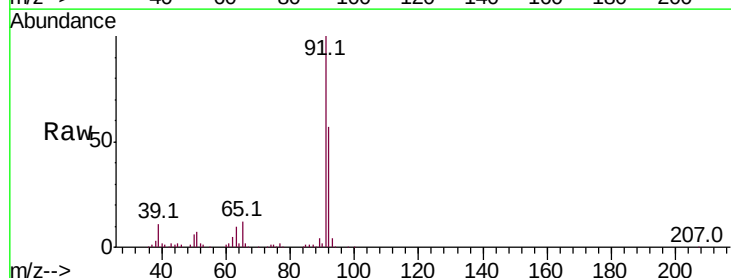
Acq: 20 Oct 2020 16:43

Tgt Ion: 91 Resp: 253367

Ion Ratio Lower Upper

91 100

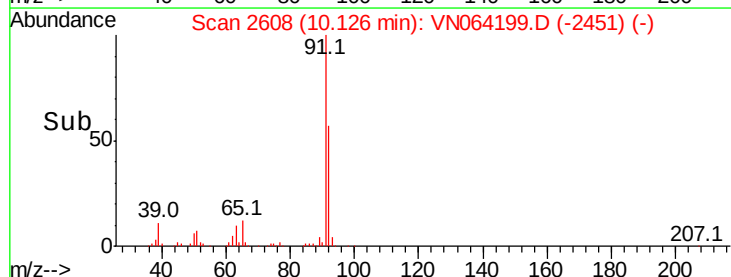
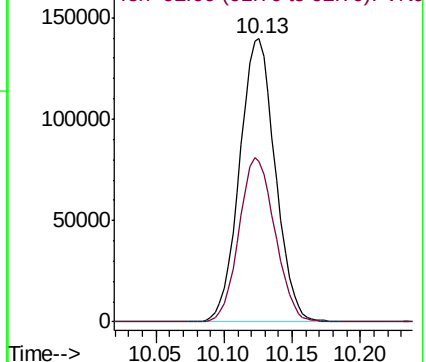
92 58.4 46.8 70.2

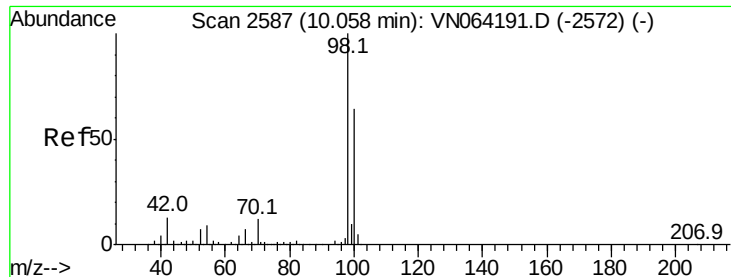


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.787 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

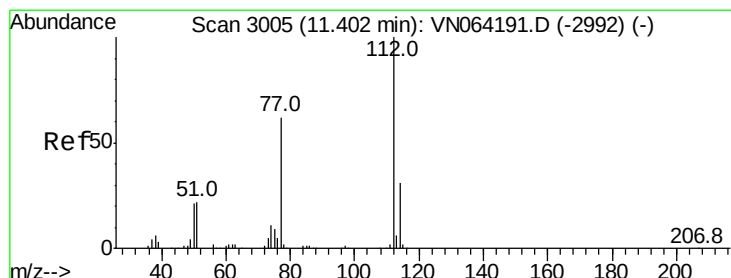
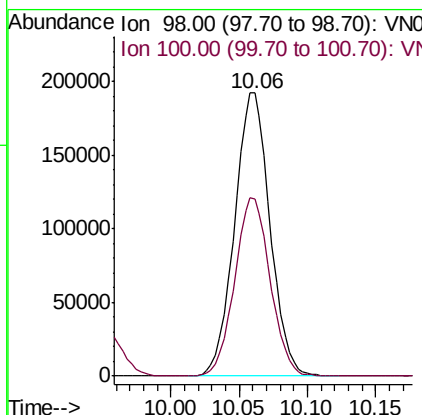
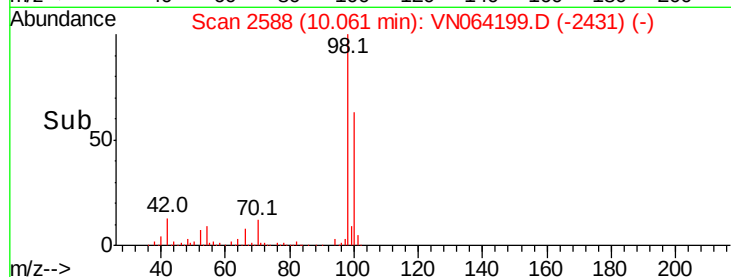
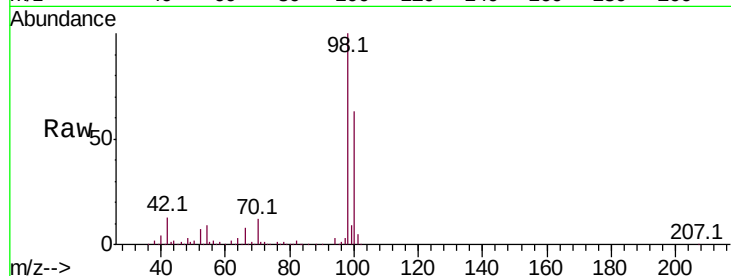
ClientSampleId :

Tot Ion: 98 Resp: 346214

Ion Ratio Lower Upper

98 100

100 63.1 51.4 77.2



#64

Chlorobenzene

Concen: 17.889 ug/l

RT: 11.41 min Scan# 3006

Delta R.T. 0.00 min

Lab File: VN064199.D

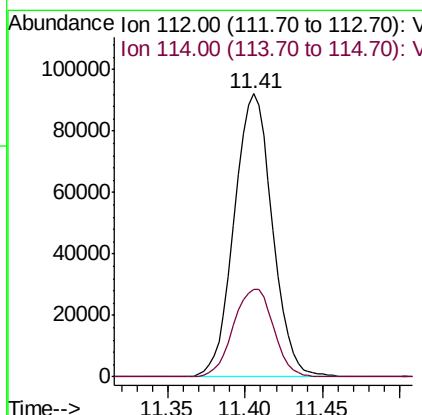
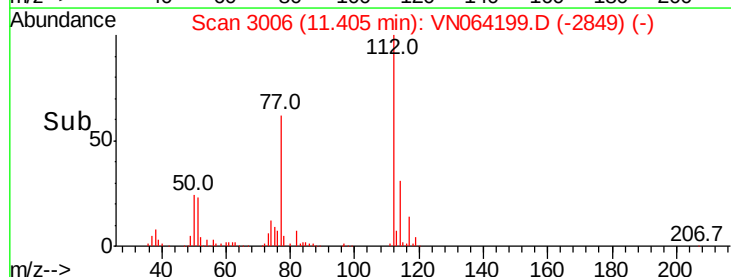
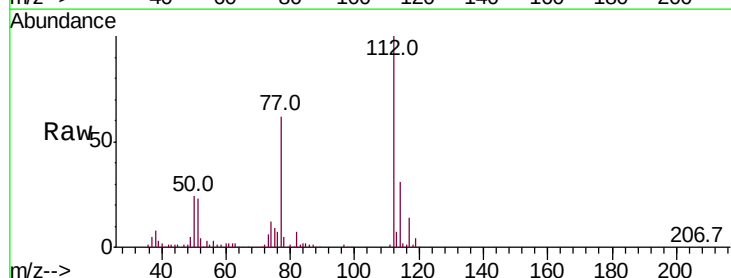
Acq: 20 Oct 2020 16:43

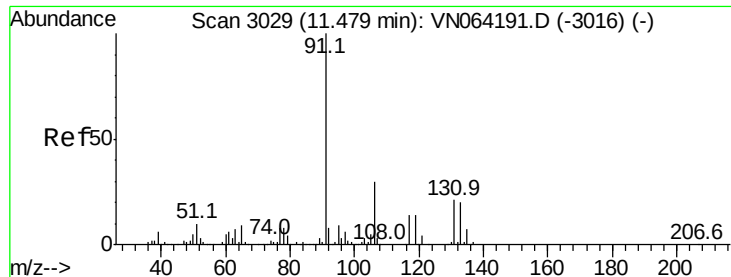
Tgt Ion: 112 Resp: 158194

Ion Ratio Lower Upper

112 100

114 31.1 25.1 37.7





#65

1,1,1,2-Tetrachloroethane

Concen: 17.699 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

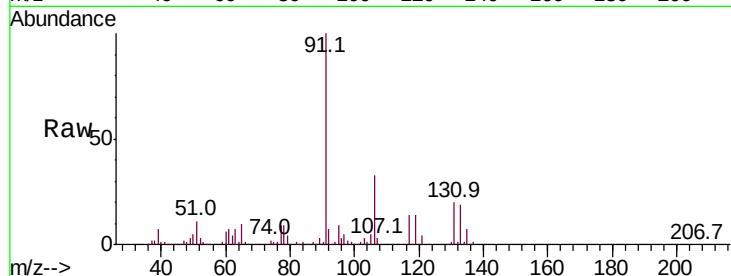
Tot Ion:131 Resp: 61323

Ion Ratio Lower Upper

131 100

133 98.9 0.0 193.0

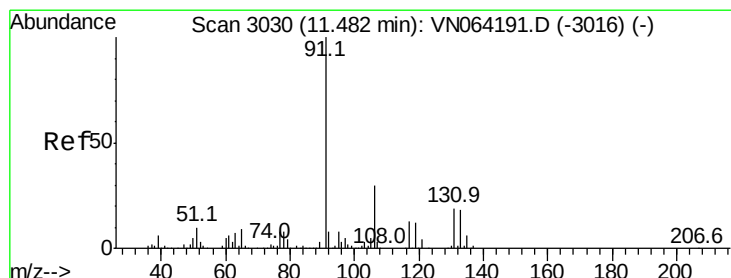
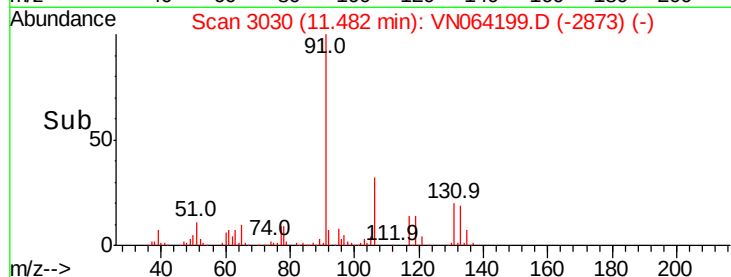
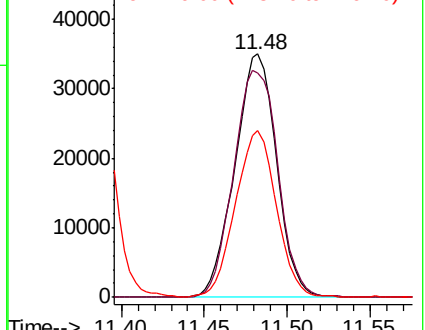
119 67.2 0.0 132.2



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 17.799 ug/l

RT: 11.48 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VN064199.D

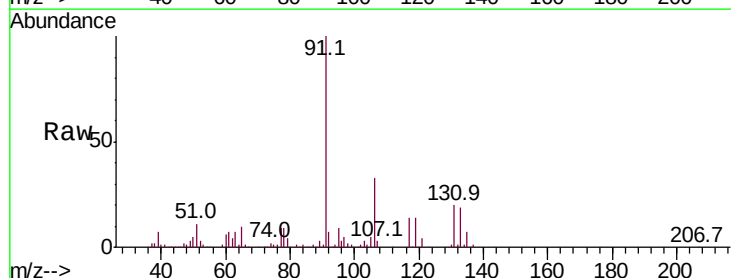
Acq: 20 Oct 2020 16:43

Tgt Ion: 91 Resp: 290591

Ion Ratio Lower Upper

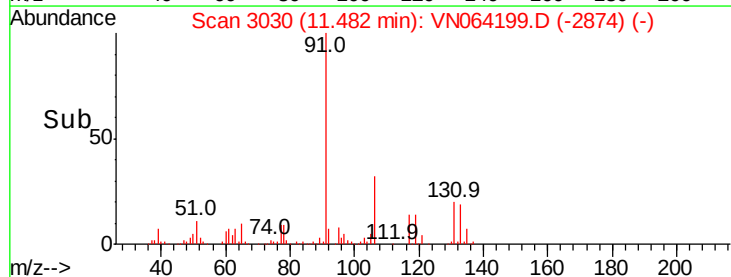
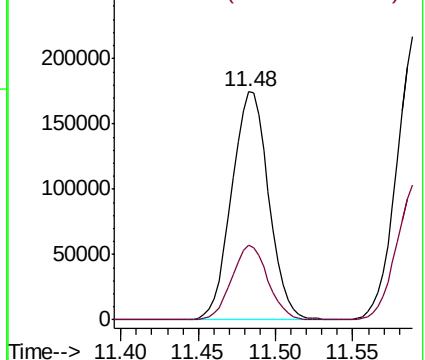
91 100

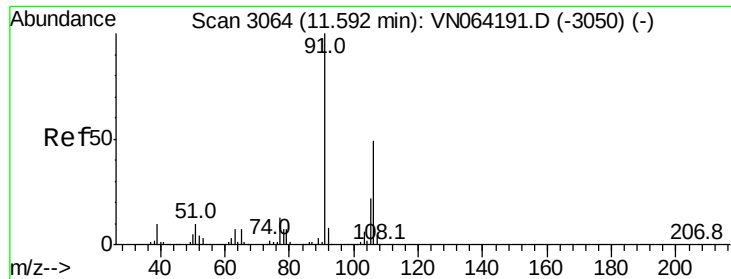
106 32.7 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V

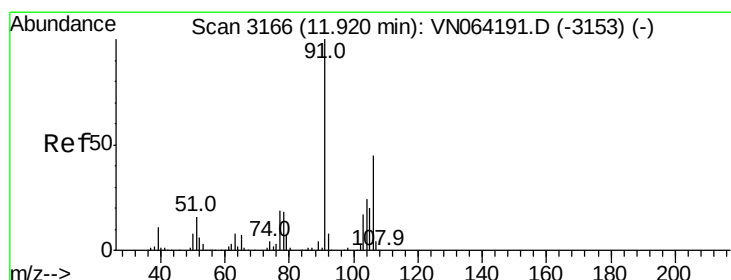
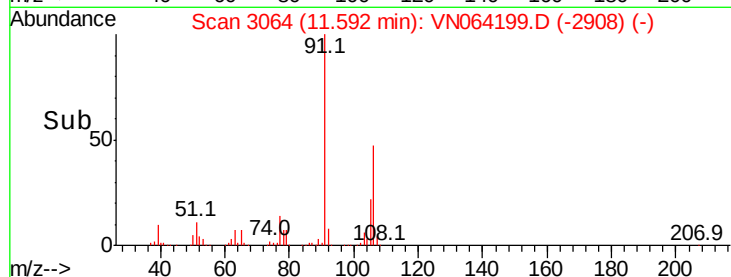
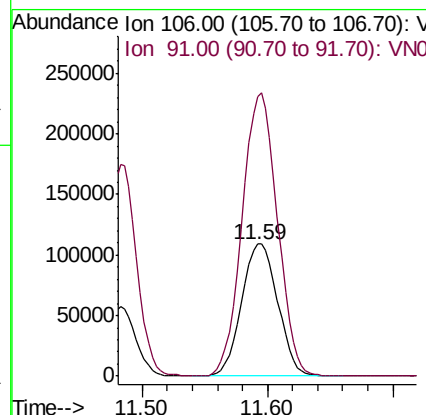
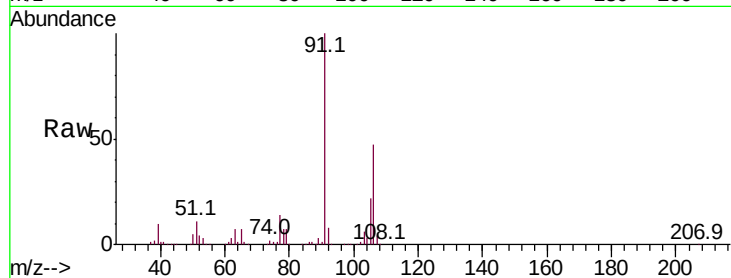




#67
m/p-Xylenes
Concen: 35.946 ug/l
RT: 11.59 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

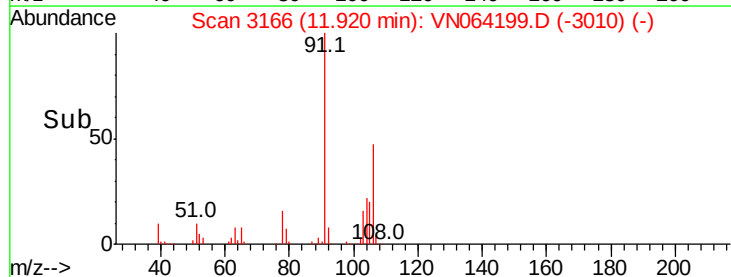
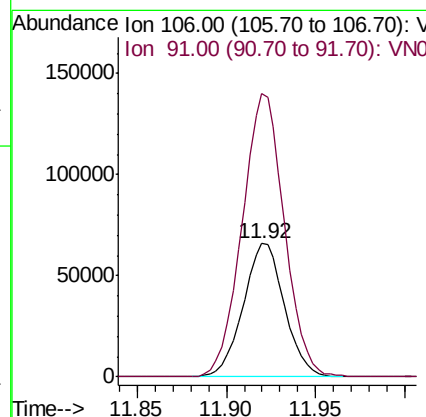
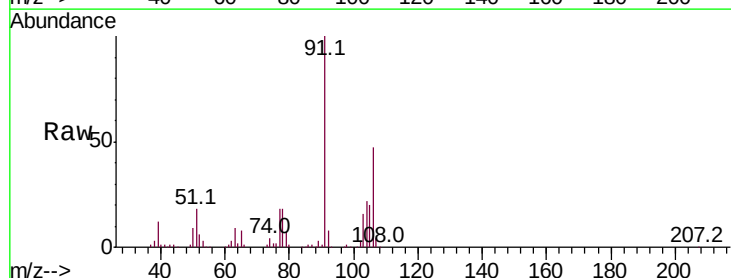
Instrument :
MSVOA_N
ClientSampleId :

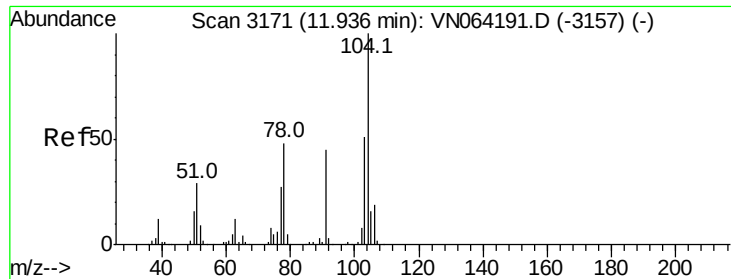
Tot Ion:106 Resp: 218254
Ion Ratio Lower Upper
106 100
91 208.3 167.9 251.9



#68
o-Xylene
Concen: 18.019 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion:106 Resp: 106166
Ion Ratio Lower Upper
106 100
91 217.8 113.9 341.7

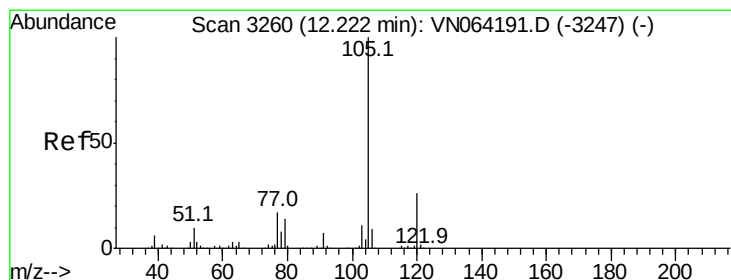
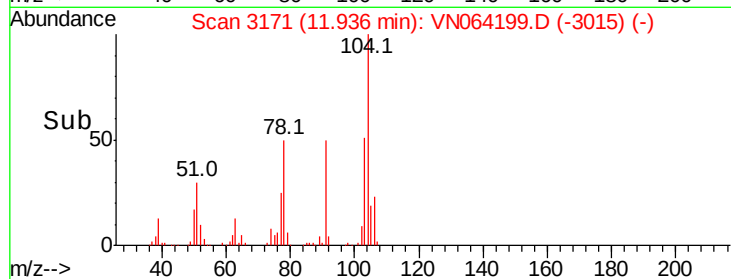
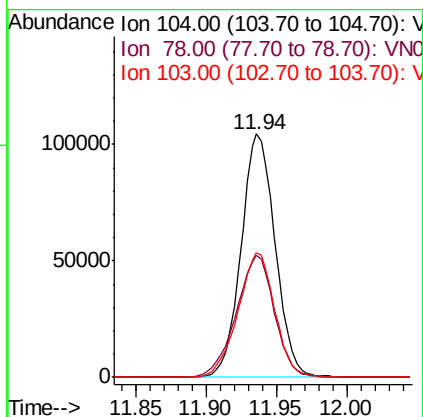
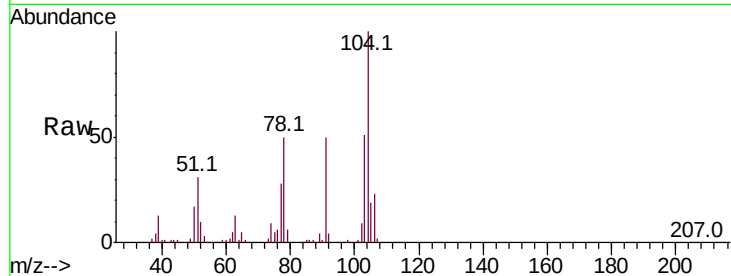




#69
Stvrene
Concen: 17.770 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

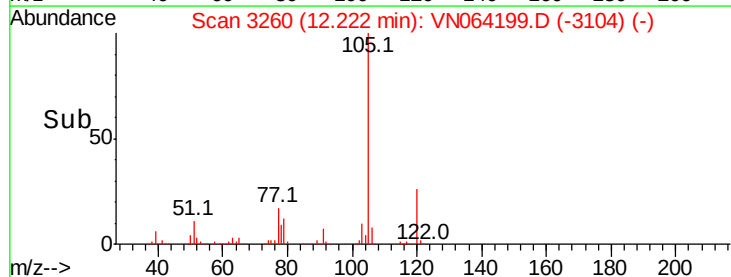
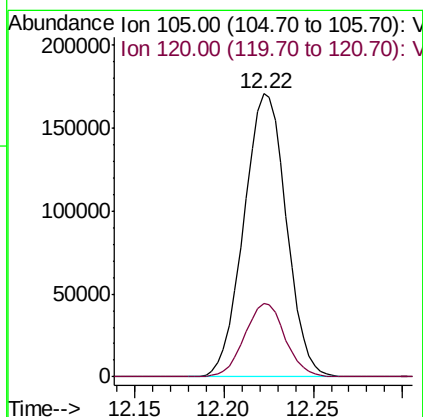
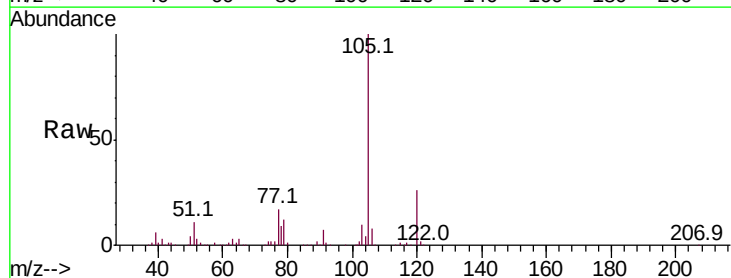
Instrument :
MSVOA_N
ClientSampled :

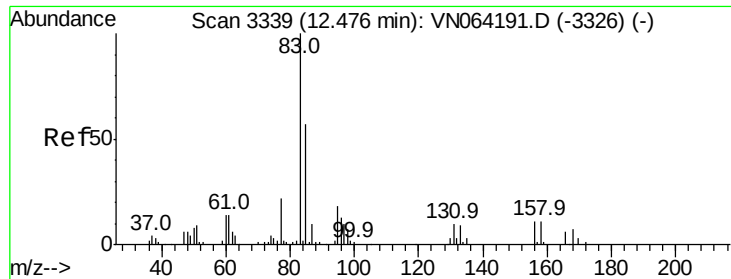
Tot Ion:104 Resp: 177130
Ion Ratio Lower Upper
104 100
78 55.9 43.6 65.4
103 55.2 44.8 67.2



#70
Isopropylbenzene
Concen: 18.236 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN064199.D
Acq: 20 Oct 2020 16:43

Tgt Ion:105 Resp: 283761
Ion Ratio Lower Upper
105 100
120 24.8 18.1 33.7

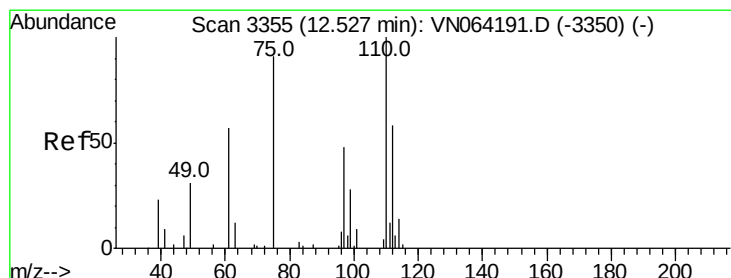
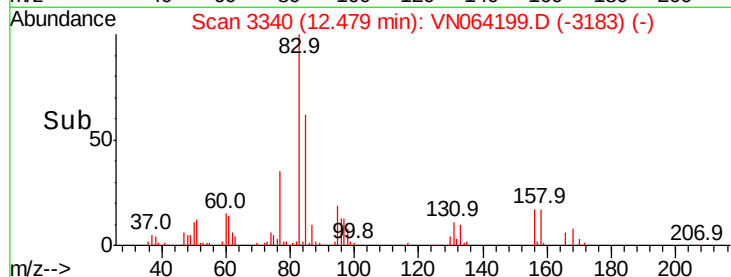
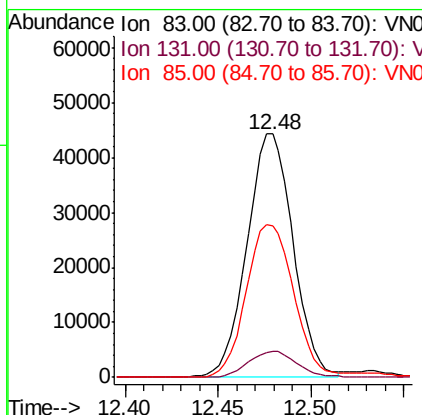
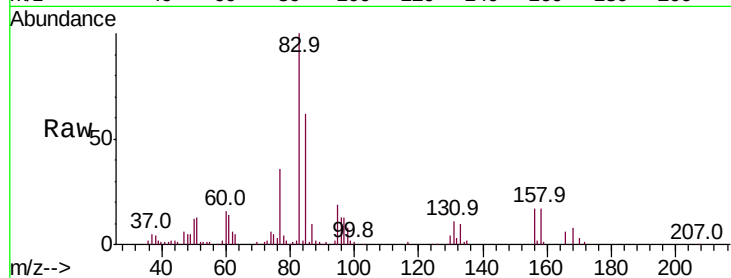




#71
 1,1,2,2-Tetrachloroethane
 Concen: 17.928 ug/l
 RT: 12.48 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

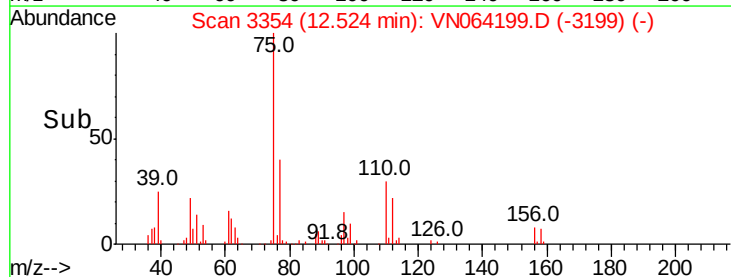
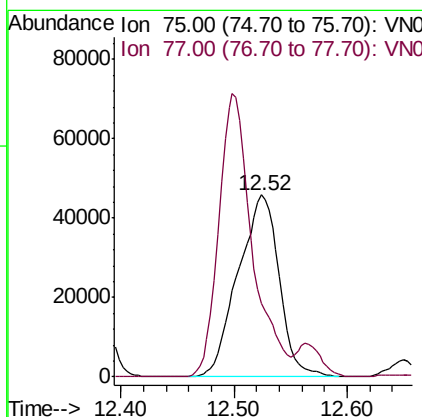
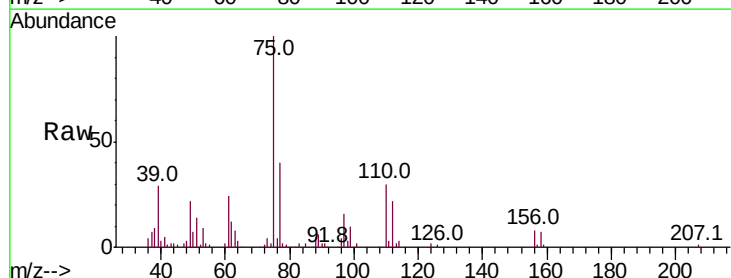
Instrument :
 MSVOA_N
 ClientSampled :

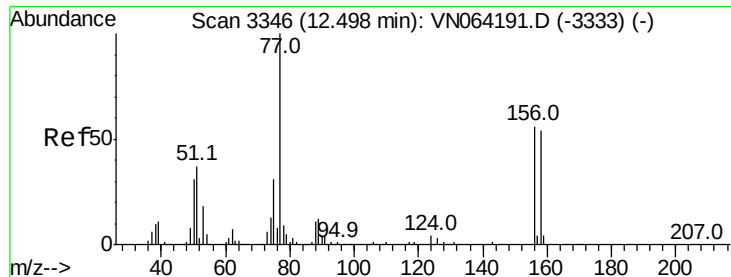
Tot Ion: 83 Resp: 76448
 Ion Ratio Lower Upper
 83 100
 131 11.2 5.5 16.4
 85 64.6 30.8 92.4



#72
 1,2,3-Trichloropropane
 Concen: 25.997 ug/l
 RT: 12.52 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion: 75 Resp: 115685
 Ion Ratio Lower Upper
 75 100
 77 126.8 0.0 417.6





#73

Bromobenzene

Concen: 17.714 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

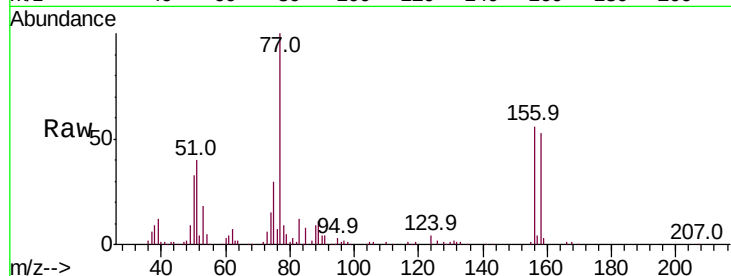
Tot Ion:156 Resp: 66471

Ion Ratio Lower Upper

156 100

77 220.7 0.0 429.8

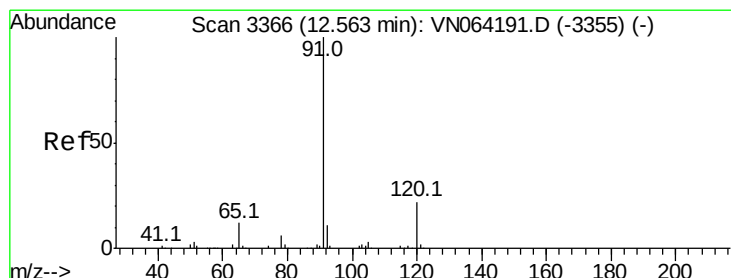
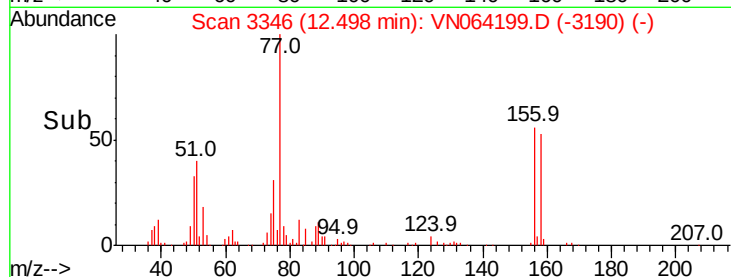
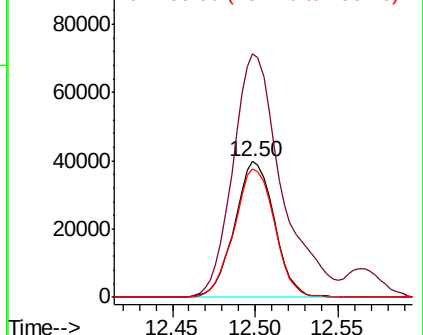
158 96.4 0.0 190.6



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: 17.864 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN064199.D

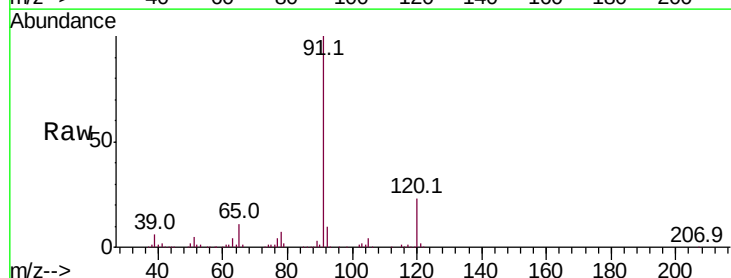
Acq: 20 Oct 2020 16:43

Tgt Ion: 91 Resp: 317269

Ion Ratio Lower Upper

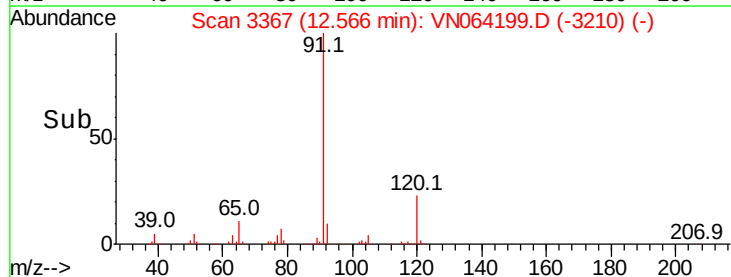
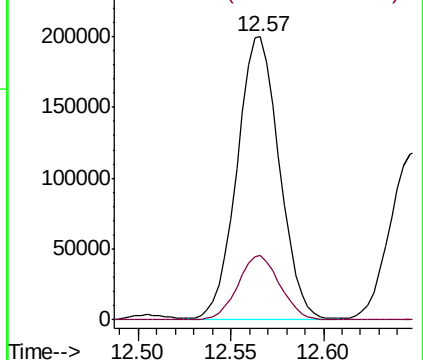
91 100

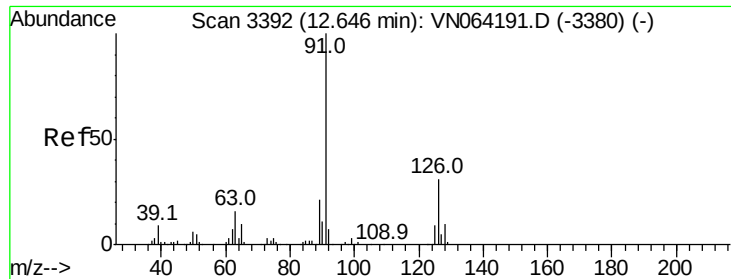
120 22.4 0.0 43.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.169 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

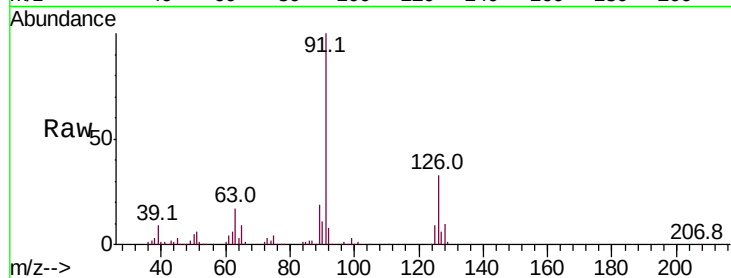
ClientSampled :

Tot Ion: 91 Resp: 199756

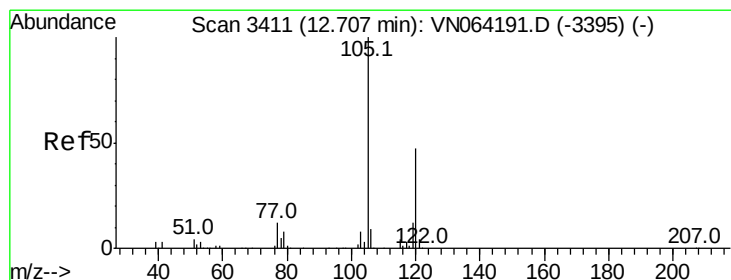
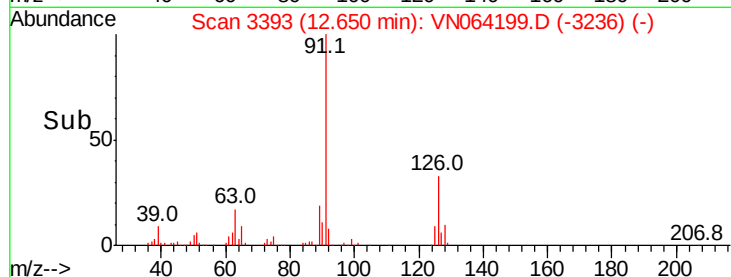
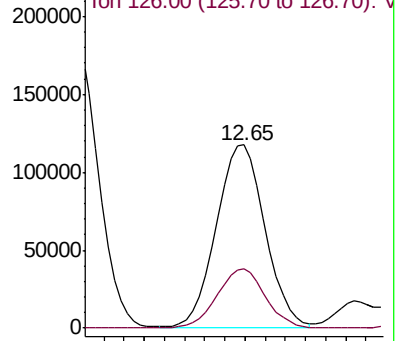
Ion Ratio Lower Upper

91 100

126 31.7 0.0 62.4



Abundance Ion 91.00 (90.70 to 91.70): VN064199.D (-3380) (-)



#76

1,3,5-Trimethylbenzene

Concen: 18.134 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN064199.D

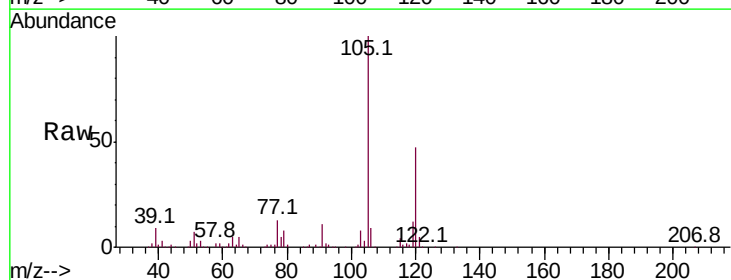
Acq: 20 Oct 2020 16:43

Tgt Ion: 105 Resp: 240111

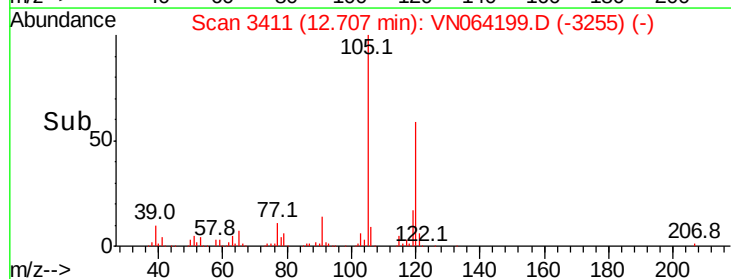
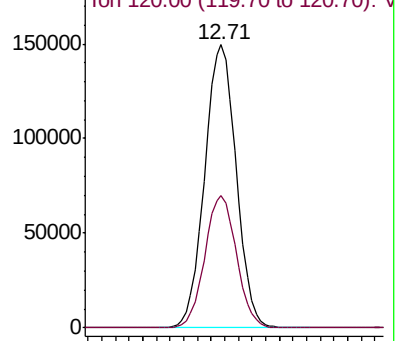
Ion Ratio Lower Upper

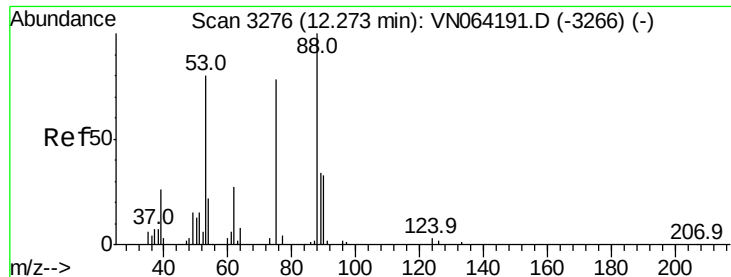
105 100

120 46.7 0.0 95.0



Abundance Ion 105.00 (104.70 to 105.70): VN064199.D (-3395) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 17.596 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

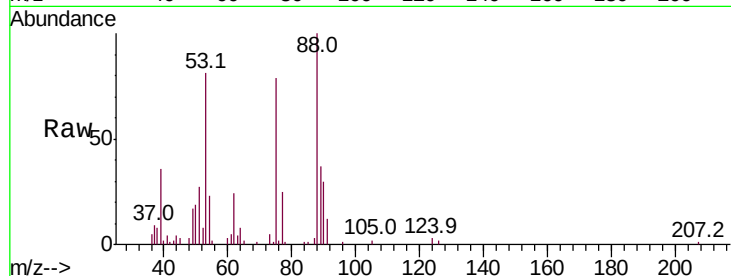
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 30613

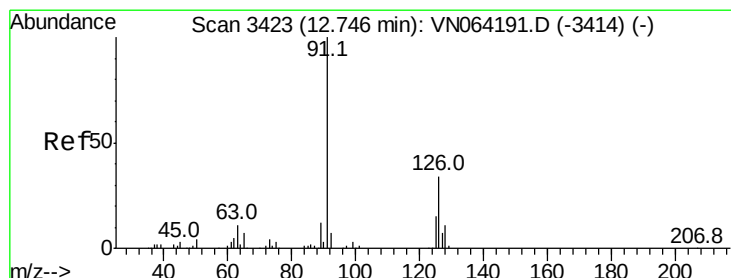
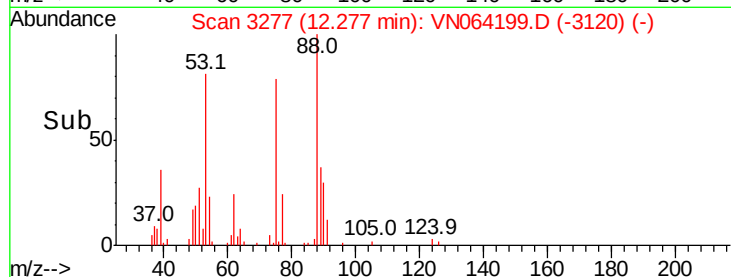
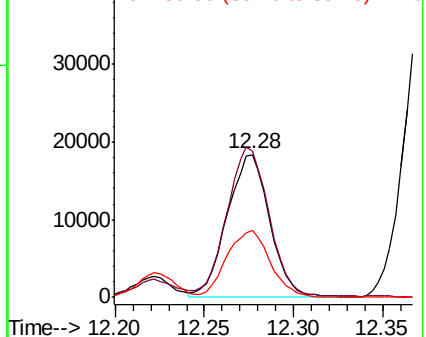
Ion	Ratio	Lower	Upper
75	100		
53	101.1	51.4	154.2
89	46.4	23.8	71.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 17.738 ug/l

RT: 12.75 min Scan# 3423

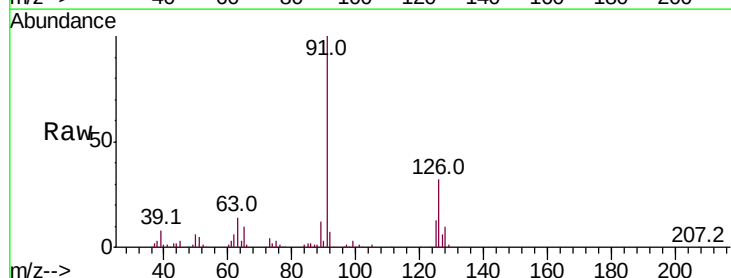
Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

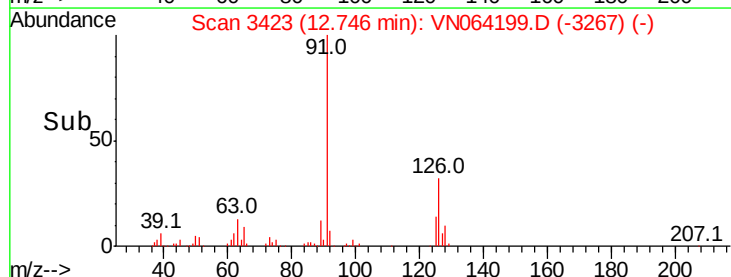
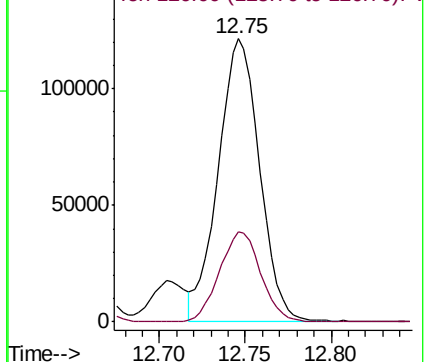
Tgt Ion: 91 Resp: 203988

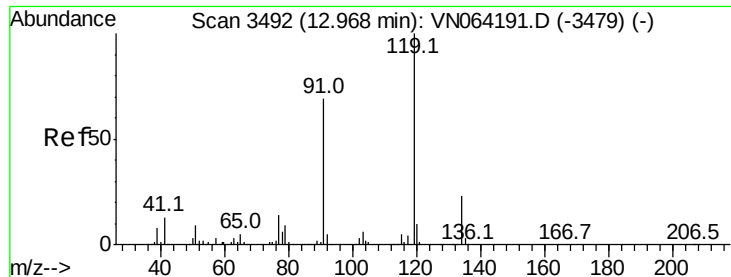
Ion	Ratio	Lower	Upper
91	100		
126	31.8	0.0	63.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 18.198 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

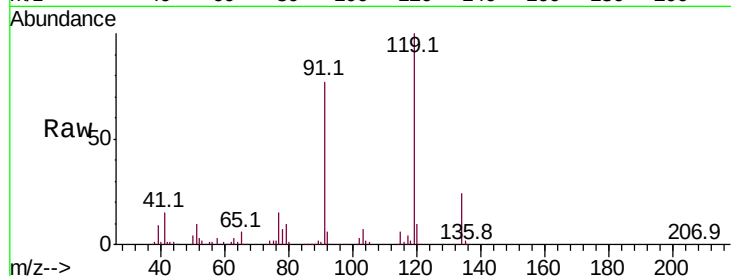
Tot Ion:119 Resp: 197000

Ion Ratio Lower Upper

119 100

91 72.1 0.0 143.2

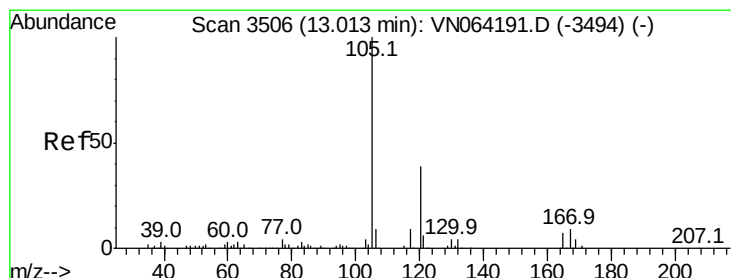
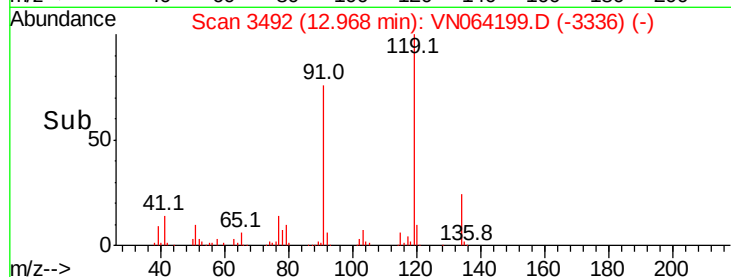
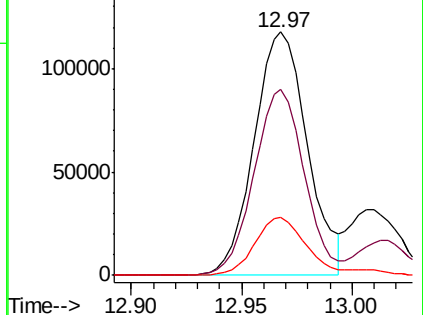
134 22.8 0.0 49.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 17.903 ug/l

RT: 13.01 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN064199.D

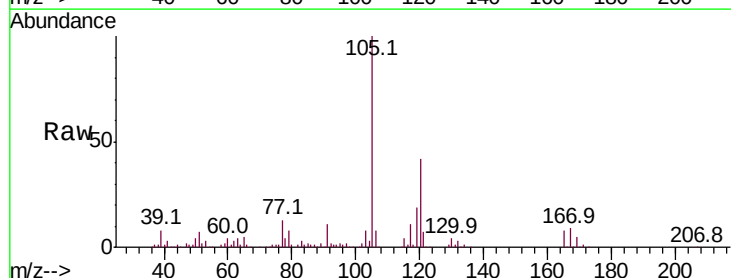
Acq: 20 Oct 2020 16:43

Tgt Ion:105 Resp: 240644

Ion Ratio Lower Upper

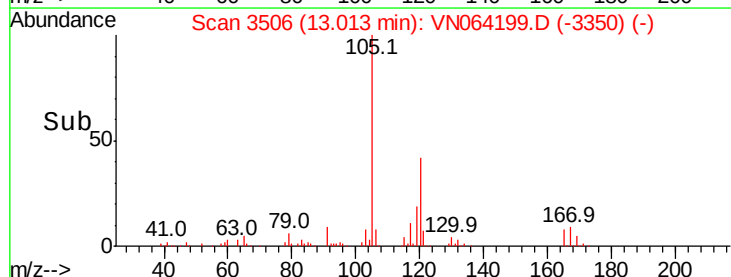
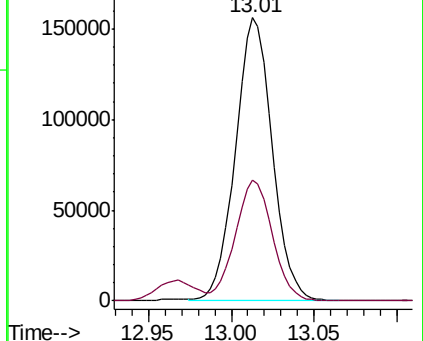
105 100

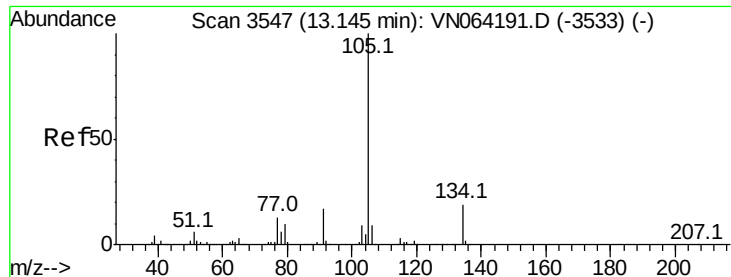
120 42.9 0.0 85.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

sec-Butylbenzene

Concen: 17.399 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

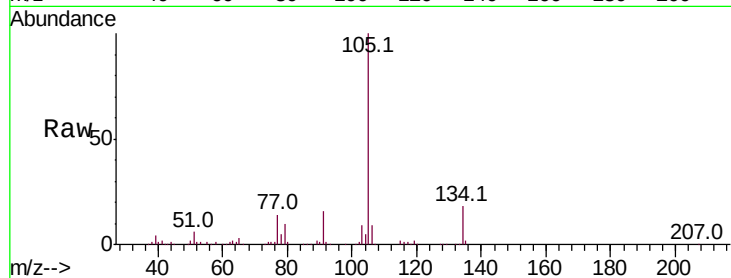
ClientSampled :

Tot Ion:105 Resp: 245054

Ion Ratio Lower Upper

105 100

134 19.5 0.0 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.14

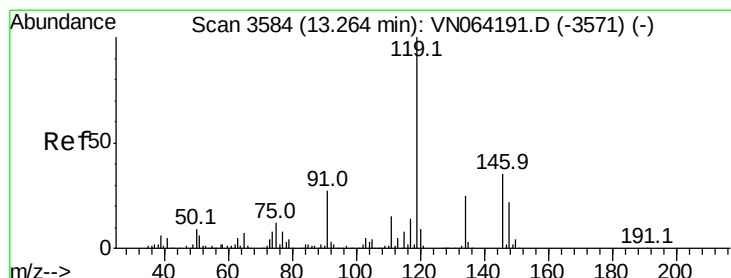
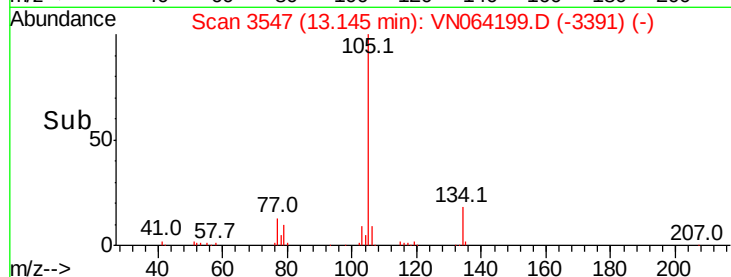
150000

100000

50000

0

Time--> 13.05 13.10 13.15 13.20



#82

p-Isopropyltoluene

Concen: 17.397 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

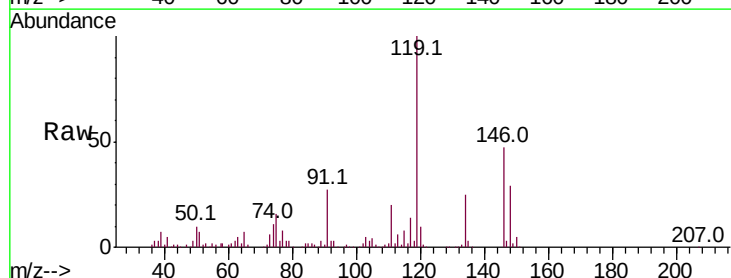
Tgt Ion:119 Resp: 226783

Ion Ratio Lower Upper

119 100

134 25.7 0.0 51.4

91 27.3 0.0 52.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

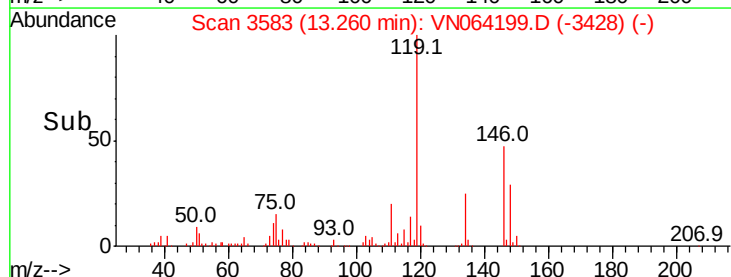
150000

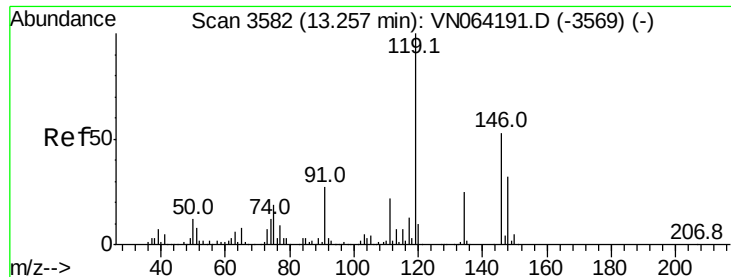
100000

50000

0

Time--> 13.20 13.25 13.30





#83

1,3-Dichlorobenzene

Concen: 17.632 ug/l

RT: 13.26 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampled :

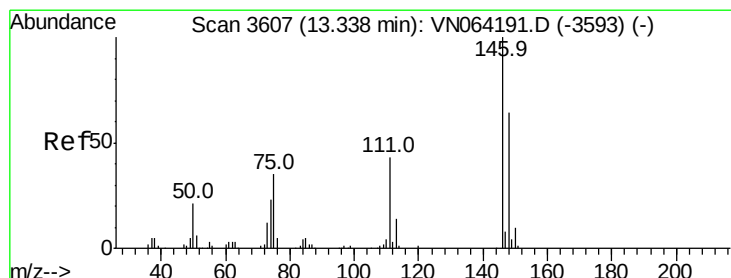
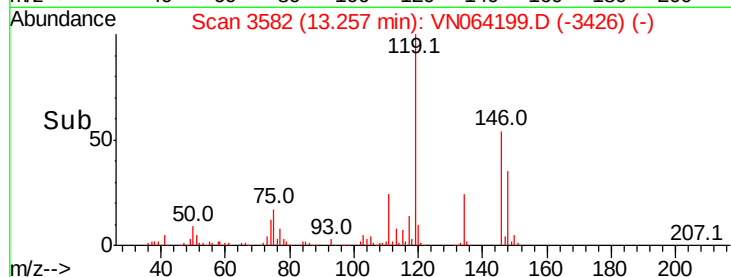
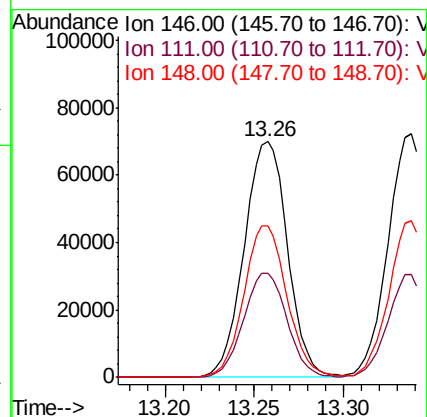
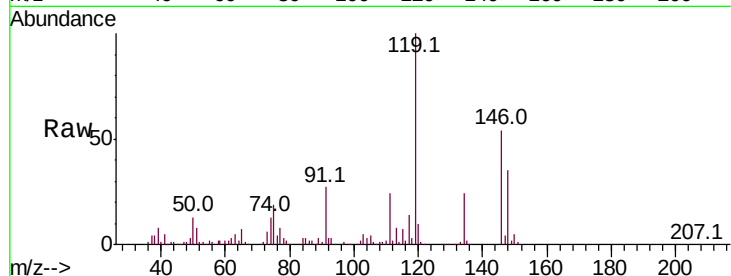
Tot Ion:146 Resp: 118594

Ion Ratio Lower Upper

146 100

111 44.3 21.8 65.4

148 63.8 31.4 94.2



#84

1,4-Dichlorobenzene

Concen: 17.446 ug/l

RT: 13.34 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

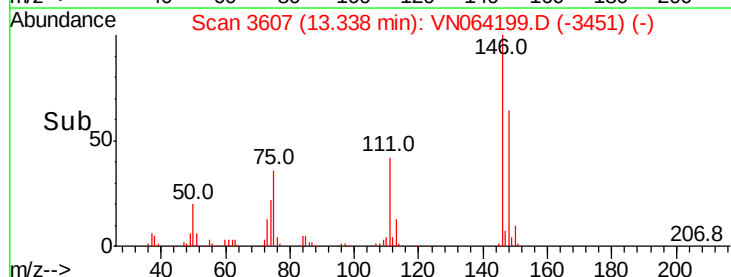
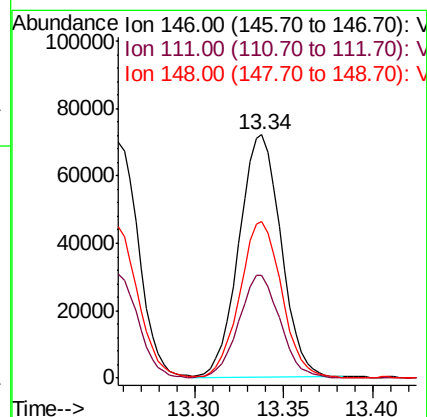
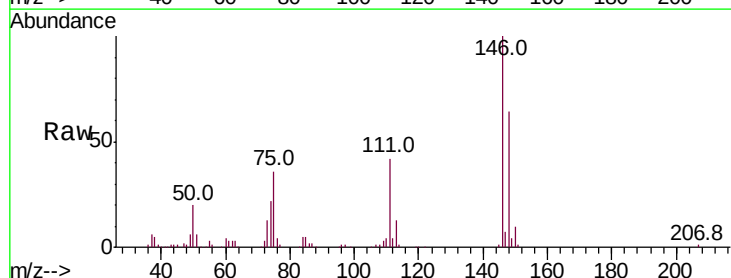
Tgt Ion:146 Resp: 117480

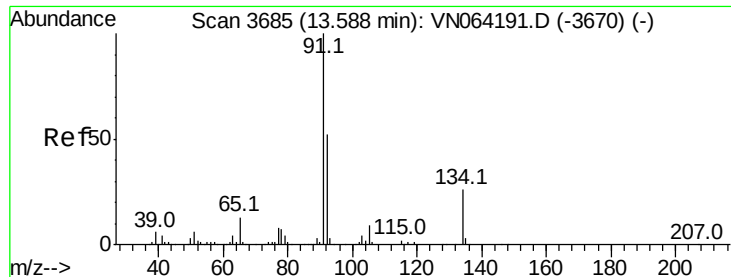
Ion Ratio Lower Upper

146 100

111 42.3 20.9 62.8

148 64.9 30.9 92.7





#85

n-Butylbenzene

Concen: 17.288 ug/l

RT: 13.59 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

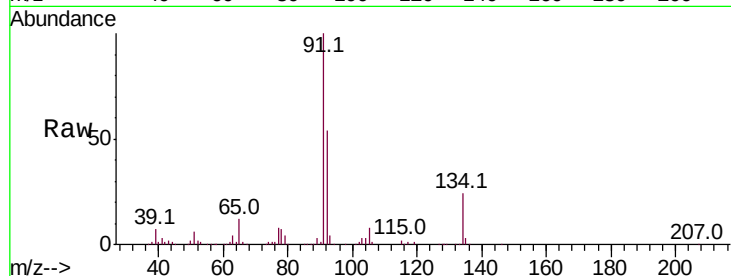
Tot Ion: 91 Resp: 200061

Ion Ratio Lower Upper

91 100

92 52.4 0.0 104.8

134 24.4 0.0 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN064199.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN064199.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN064199.D (-3670) (-)

13.59

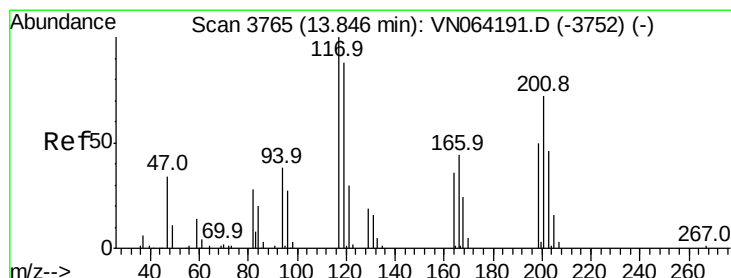
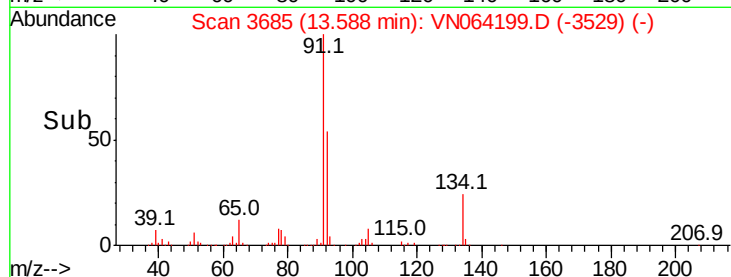
150000

100000

50000

0

Time--> 13.50 13.55 13.60 13.65



#86

Hexachloroethane

Concen: 17.308 ug/l

RT: 13.85 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN064199.D

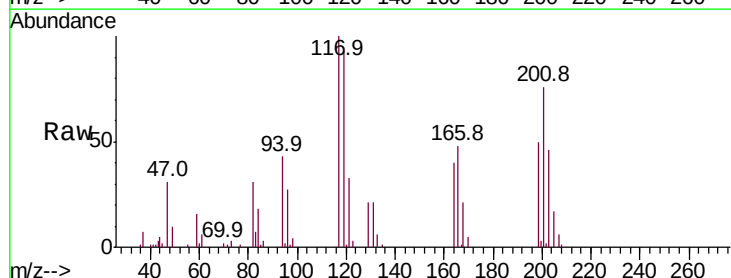
Acq: 20 Oct 2020 16:43

Tgt Ion: 117 Resp: 38842

Ion Ratio Lower Upper

117 100

201 79.3 37.5 112.3



Abundance Ion 117.00 (116.70 to 117.70): VN064199.D (-3752) (-)

Ion 201.00 (200.70 to 201.70): VN064199.D (-3752) (-)

13.85

25000

20000

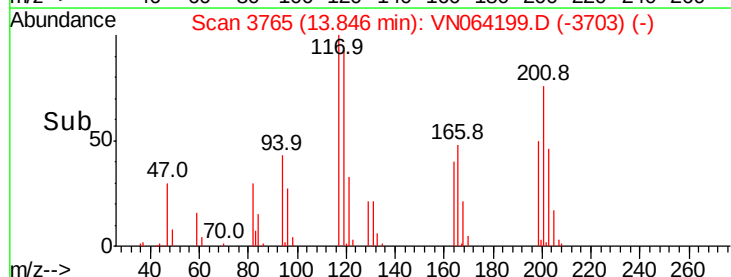
15000

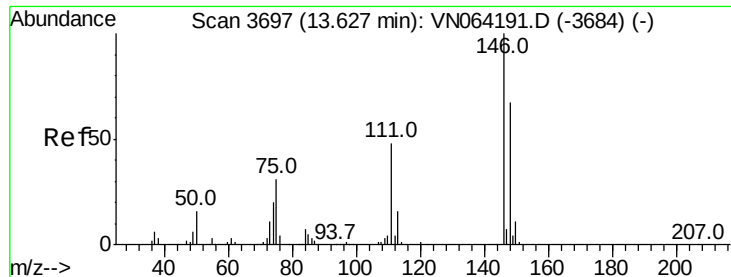
10000

5000

0

Time--> 13.80 13.85 13.90





#87

1,2-Dichlorobenzene

Concen: 17.435 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

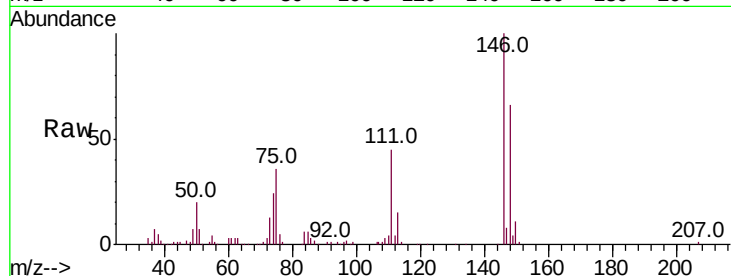
Tot Ion:146 Resp: 114362

Ion Ratio Lower Upper

146 100

111 44.6 22.6 67.8

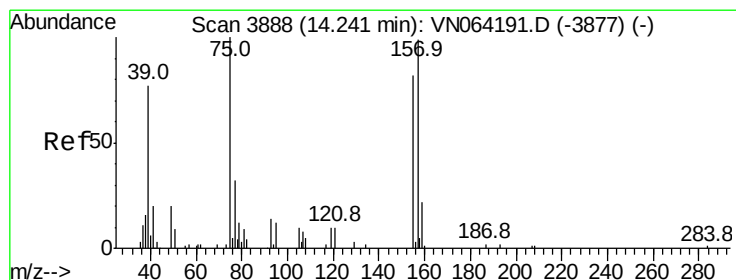
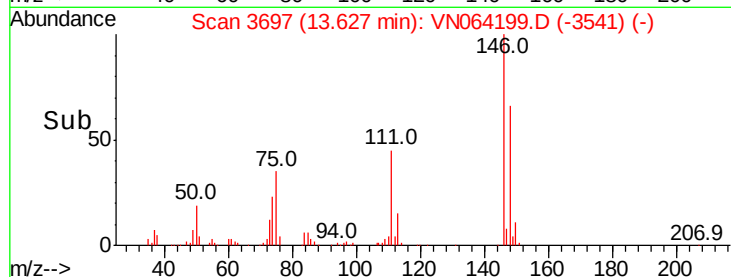
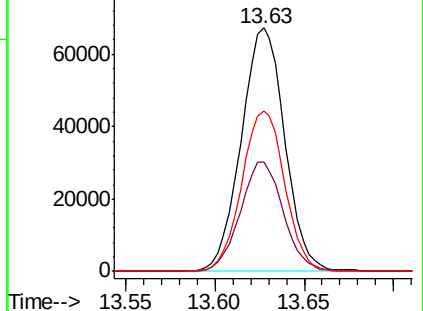
148 64.9 32.6 97.8



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.884 ug/l

RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

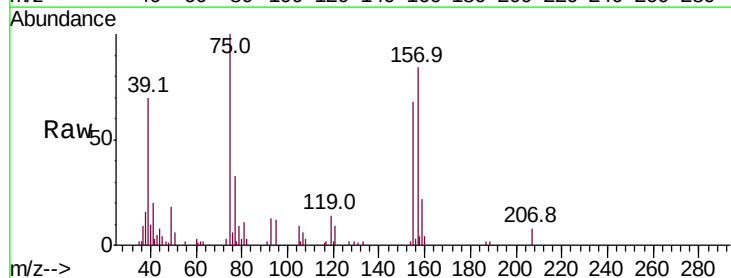
Tgt Ion: 75 Resp: 19315

Ion Ratio Lower Upper

75 100

155 71.6 61.1 91.7

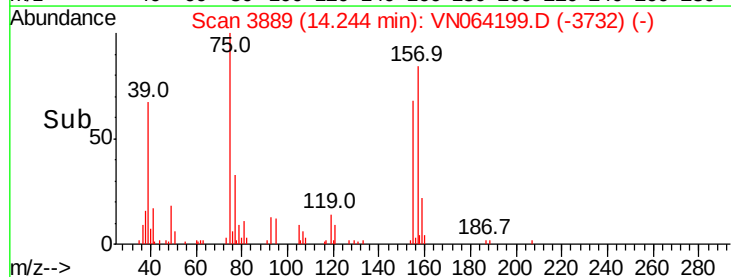
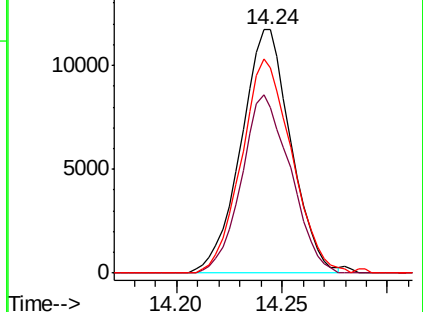
157 88.4 76.5 114.7

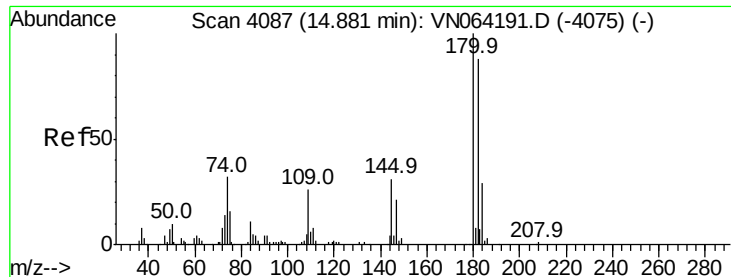


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

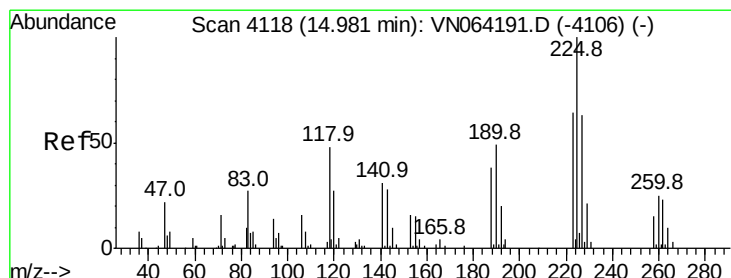
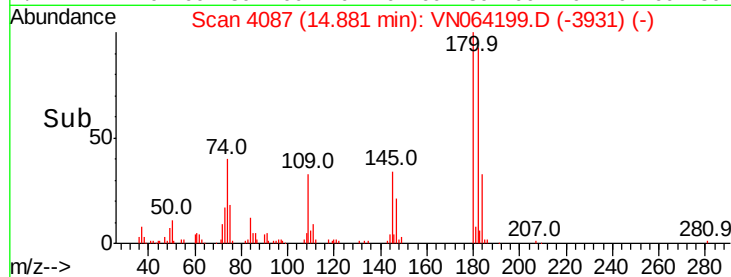
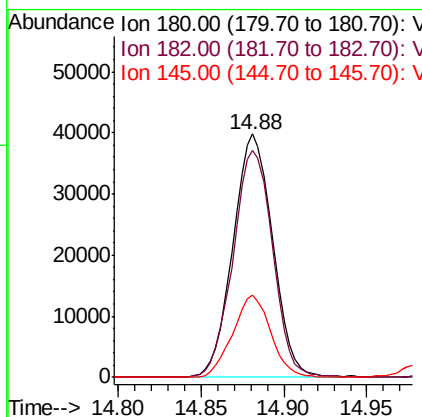
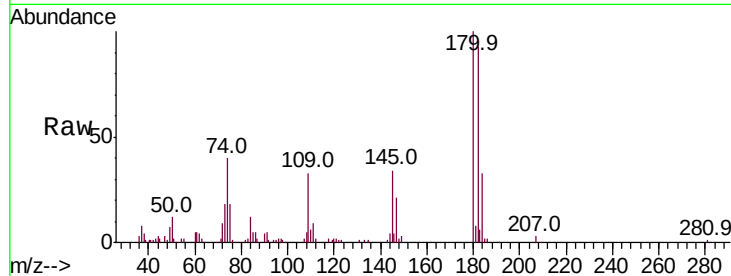




#89
 1,2,4-Trichlorobenzene
 Concen: 16.874 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

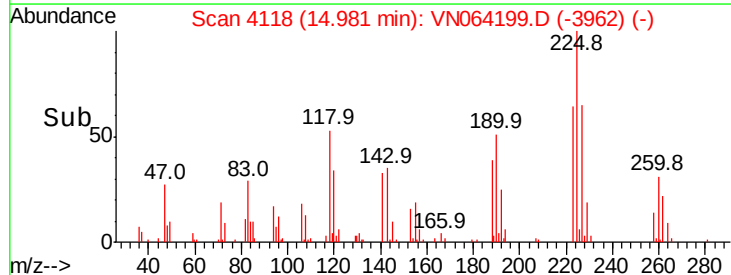
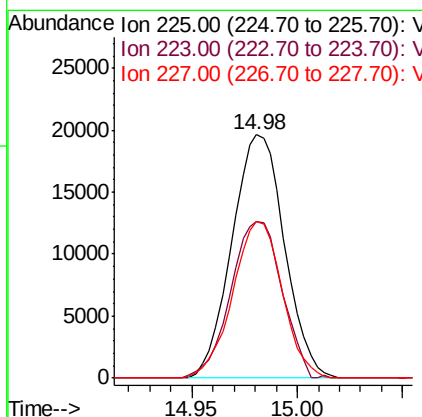
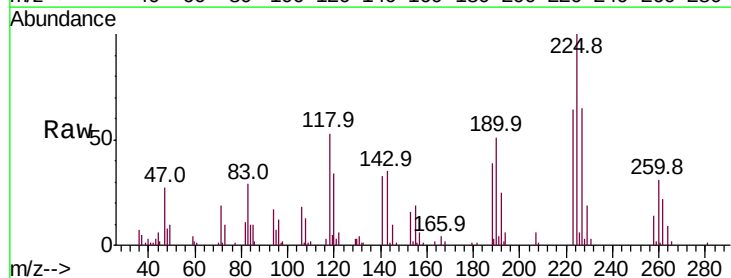
Instrument :
 MSVOA_N
 ClientSampleId :

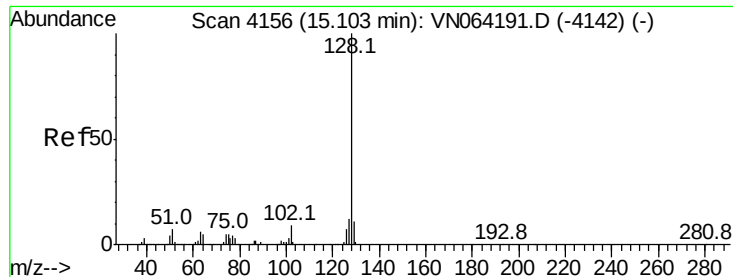
Tot Ion:180 Resp: 66465
 Ion Ratio Lower Upper
 180 100
 182 92.8 73.0 109.4
 145 32.3 24.3 36.5



#90
 Hexachlorobutadiene
 Concen: 16.994 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN064199.D
 Acq: 20 Oct 2020 16:43

Tgt Ion:225 Resp: 33930
 Ion Ratio Lower Upper
 225 100
 223 62.7 0.0 127.0
 227 60.8 0.0 129.4





#91

Naphthalene

Concen: 17.184 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

Instrument :

MSVOA_N

ClientSampleId :

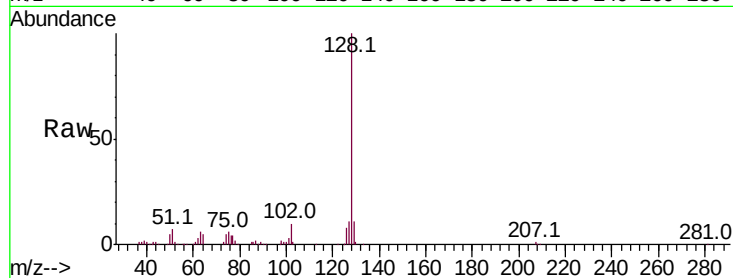
Tot Ion:128 Resp: 205175

Ion Ratio Lower Upper

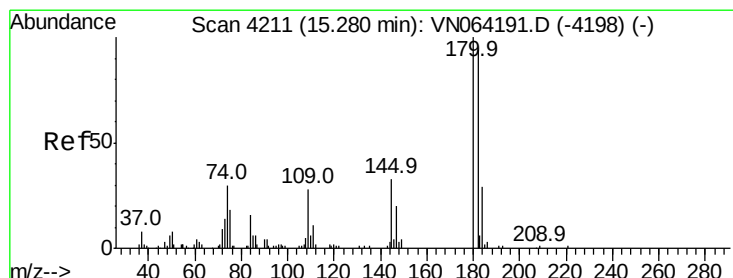
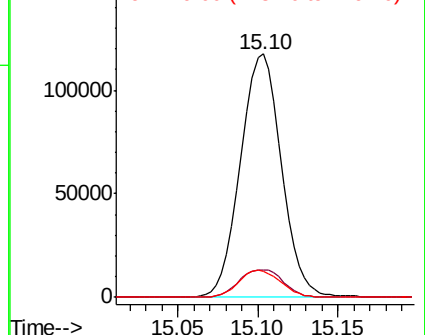
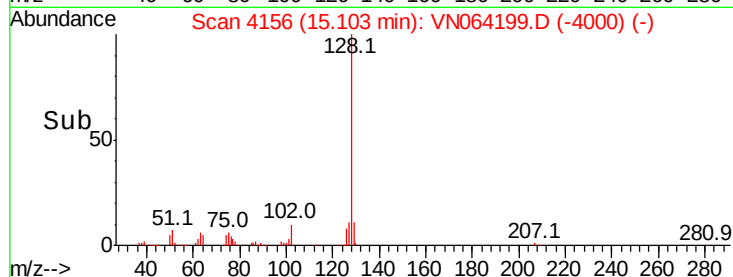
128 100

127 12.2 10.1 15.1

129 11.6 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: 16.945 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064199.D

Acq: 20 Oct 2020 16:43

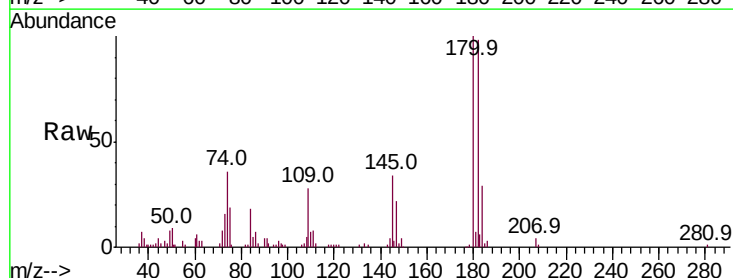
Tgt Ion:180 Resp: 63834

Ion Ratio Lower Upper

180 100

182 99.3 0.0 190.0

145 33.9 0.0 66.6



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

