

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110420\
 Data File : VN064427.D
 Acq On : 4 Nov 2020 10:36
 Operator : JC/MD
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 04 11:39:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 11:31:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	365472	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	650850	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	600761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	264227	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	130852	21.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.76%	
35) Dibromofluoromethane	7.55	113	91058	20.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.94%	
50) Toluene-d8	10.06	98	338881	20.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.58%	
62) 4-Bromofluorobenzene	12.37	95	127270	20.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.30%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	93522	21.638	ug/l	99
3) Chloromethane	2.04	50	113010	23.564	ug/l	96
4) Vinyl Chloride	2.17	62	115812	24.774	ug/l	97
5) Bromomethane	2.54	94	73067	23.848	ug/l	94
6) Chloroethane	2.68	64	73739	25.856	ug/l	99
7) Trichlorofluoromethane	2.99	101	172838	22.587	ug/l	99
8) Diethyl Ether	3.38	74	59578	24.178	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	78898	20.786	ug/l	99
10) Methyl Iodide	3.91	142	93800	18.938	ug/l	99
11) Tert butyl alcohol	4.75	59	68891	82.917	ug/l	100
12) 1,1-Dichloroethene	3.69	96	76539	21.353	ug/l	94
13) Acrolein	3.57	56	40683	161.661	ug/l	93
14) Allyl chloride	4.28	41	146134	20.011	ug/l	95
15) Acrylonitrile	4.93	53	198251	105.690	ug/l	98
16) Acetone	3.78	43	257405	115.650	ug/l	100
17) Carbon Disulfide	4.01	76	229477	21.461	ug/l	98
18) Methyl Acetate	4.28	43	90830	20.308	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	278324	20.383	ug/l	100
20) Methylene Chloride	4.51	84	92457	21.604	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	89079	22.068	ug/l	95
22) Diisopropyl ether	5.90	45	318547	21.904	ug/l	100
23) Vinyl Acetate	5.85	43	1339299	110.081	ug/l	99
24) 1,1-Dichloroethane	5.80	63	176560	21.890	ug/l	99
25) 2-Butanone	6.79	43	322610	106.877	ug/l	100
26) 2,2-Dichloropropane	6.78	77	156754	20.149	ug/l	98
27) cis-1,2-Dichloroethene	6.78	96	100164	21.730	ug/l	98
28) Bromochloromethane	7.15	49	92759	24.749	ug/l	97
29) Tetrahydrofuran	7.17	42	186981	96.798	ug/l	99
30) Chloroform	7.33	83	186705	21.684	ug/l	99
31) Cyclohexane	7.61	56	145492	20.546	ug/l	93
32) 1,1,1-Trichloroethane	7.52	97	164822	20.274	ug/l	98
36) 1,1-Dichloropropene	7.75	75	133760	19.931	ug/l	99
37) Ethyl Acetate	6.88	43	130846	19.545	ug/l	99
38) Carbon Tetrachloride	7.73	117	142587	18.737	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	117677	17.979	ug/l	98
40) Benzene	8.00	78	389799	20.735	ug/l	100
41) Methacrylonitrile	7.12	41	56931	17.459	ug/l	93
42) 1,2-Dichloroethane	8.08	62	163275	20.398	ug/l	99
43) Isopropyl Acetate	8.13	43	220189	19.277	ug/l	99
44) Trichloroethene	8.80	130	99911	20.587	ug/l	96
45) 1,2-Dichloropropane	9.08	63	104957	20.815	ug/l	98
46) Dibromomethane	9.17	93	70987	20.508	ug/l	98
47) Bromodichloromethane	9.37	83	148931	19.376	ug/l #	98
48) Methyl methacrylate	9.17	41	110986	18.811	ug/l	98
49) 1,4-Dioxane	9.17	88	30243	355.757	ug/l	98
51) 4-Methyl-2-Pentanone	9.95	43	653001	97.804	ug/l	100
52) Toluene	10.12	92	244639	20.657	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	159864	19.560	ug/l	99
54) cis-1,3-Dichloropropene	9.81	75	168916	20.092	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	92334	19.852	ug/l	97
56) Ethyl methacrylate	10.40	69	136110	19.414	ug/l	99
57) 1,3-Dichloropropane	10.68	76	166536	20.996	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.66	63	345267	94.653	ug/l	98
59) 2-Hexanone	10.72	43	478944	97.603	ug/l	100
60) Dibromochloromethane	10.87	129	103608	19.132	ug/l	100
61) 1,2-Dibromoethane	10.97	107	95699	20.319	ug/l	100
64) Tetrachloroethene	10.60	164	88483	17.946	ug/l	94
65) Chlorobenzene	11.41	112	257838	20.750	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	96560	19.423	ug/l	99
67) Ethyl Benzene	11.48	91	461909	20.010	ug/l	100
68) m/p-Xylenes	11.60	106	333798	39.080	ug/l	97
69) o-Xylene	11.92	106	159867	19.407	ug/l	97
70) Styrene	11.94	104	269980	19.996	ug/l	99
71) Bromoform	12.10	173	63681	16.660	ug/l #	97
73) Isopropylbenzene	12.22	105	413679	20.457	ug/l	100
74) N-amyl acetate	12.04	43	184483	20.780	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	127453	21.585	ug/l	98
76) 1,2,3-Trichloropropane	12.52	75	179888	28.402	ug/l #	100
77) Bromobenzene	12.50	156	98833	20.136	ug/l	100
78) n-propylbenzene	12.56	91	471072	20.581	ug/l	99
79) 2-Chlorotoluene	12.65	91	302965	20.784	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	343810	20.188	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	42140	18.922	ug/l	93
82) 4-Chlorotoluene	12.75	91	316542	21.183	ug/l	100
83) tert-Butylbenzene	12.97	119	272310	19.670	ug/l	99
84) 1,2,4-Trimethylbenzene	13.01	105	350765	20.585	ug/l	98
85) sec-Butylbenzene	13.14	105	346228	19.261	ug/l	100
86) p-Isopropyltoluene	13.26	119	310604	19.235	ug/l	98
87) 1,3-Dichlorobenzene	13.25	146	171990	19.937	ug/l	99
88) 1,4-Dichlorobenzene	13.33	146	174819	19.895	ug/l	96
89) n-Butylbenzene	13.59	91	262491	18.430	ug/l	99
90) Hexachloroethane	13.85	117	55701	18.479	ug/l	99
91) 1,2-Dichlorobenzene	13.63	146	168854	19.680	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	25511	18.032	ug/l	97

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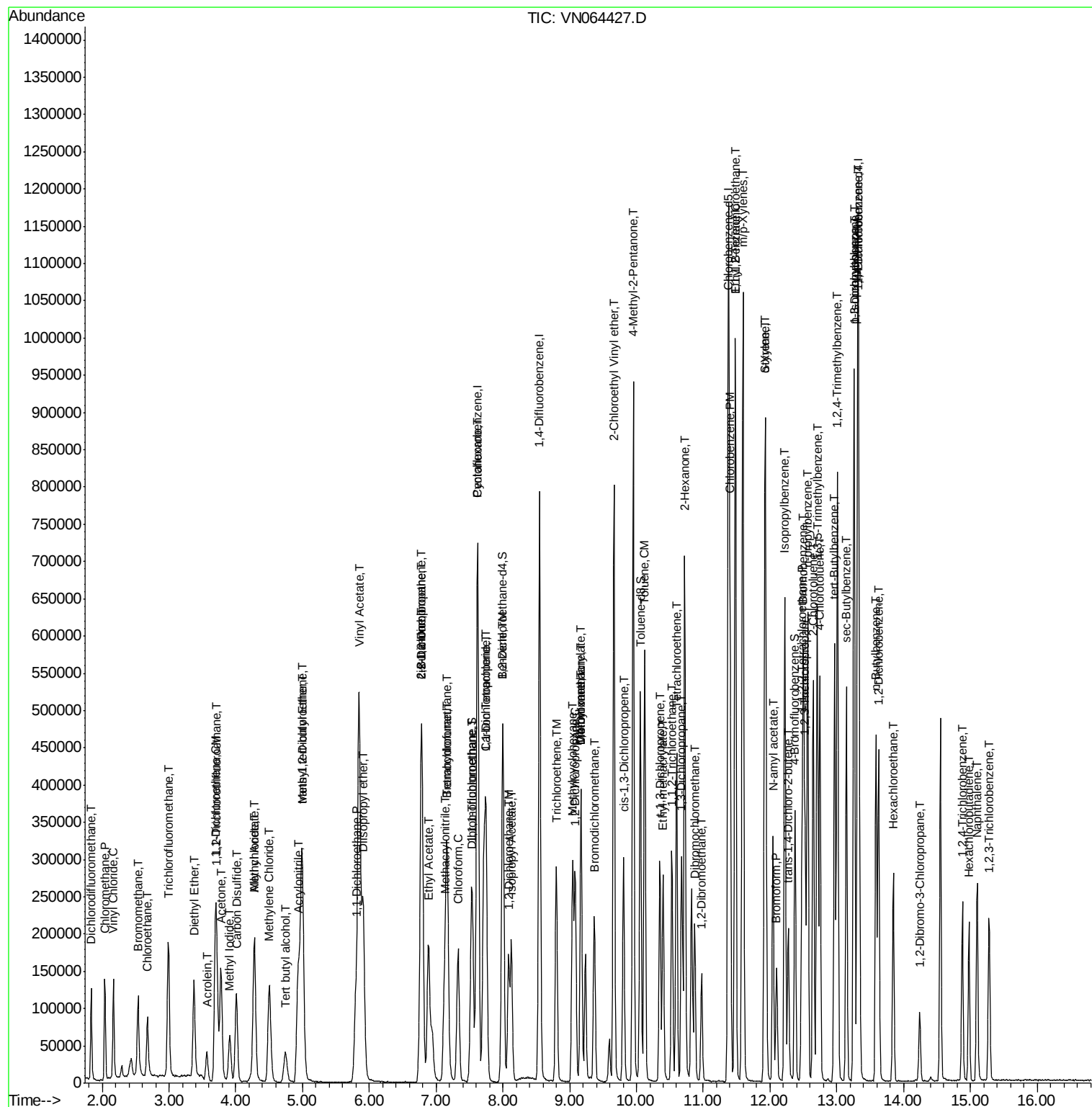
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	69421	16.833	ug/l	99
94) Hexachlorobutadiene	14.98	225	34458	13.838	ug/l	97
95) Naphthalene	15.10	128	220969	17.103	ug/l	99
96) 1,2,3-Trichlorobenzene	15.28	180	67594	16.970	ug/l	99

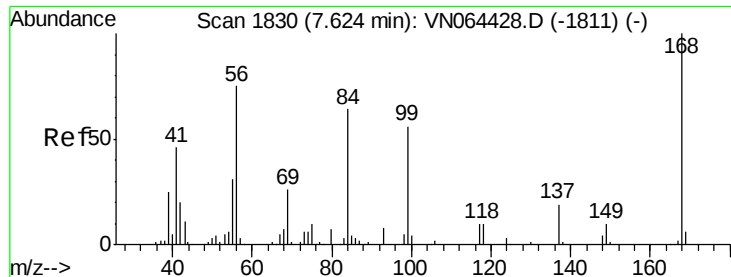
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

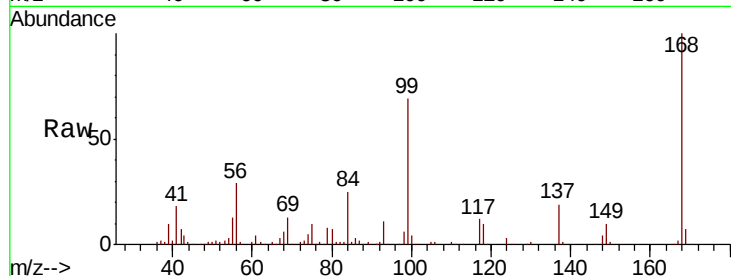
ClientSampleId :

Tot Ion:168 Resp: 365472

Ion Ratio Lower Upper

168 100

99 68.3 53.4 80.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

150000

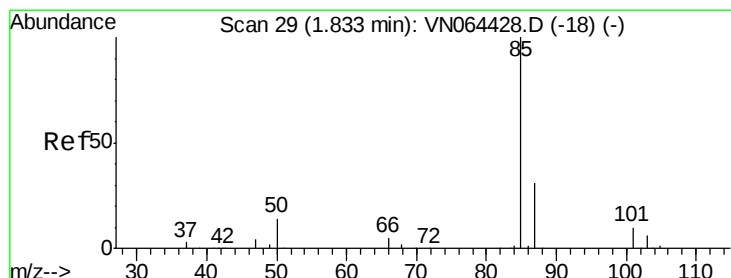
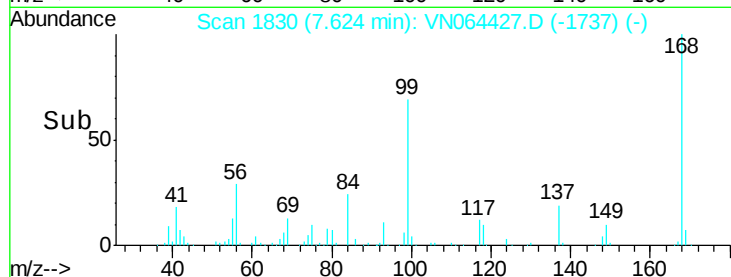
100000

50000

0

7.50 7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.638 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064427.D

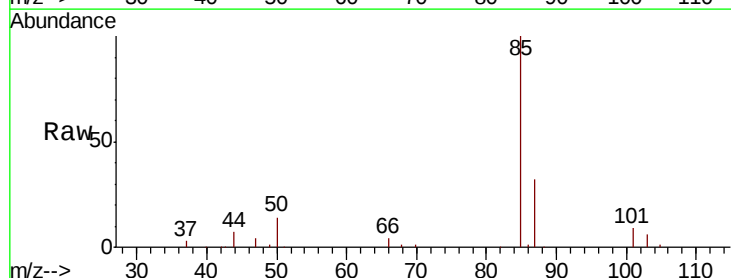
Acq: 4 Nov 2020 10:36

Tgt Ion: 85 Resp: 93522

Ion Ratio Lower Upper

85 100

87 31.7 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

80000

60000

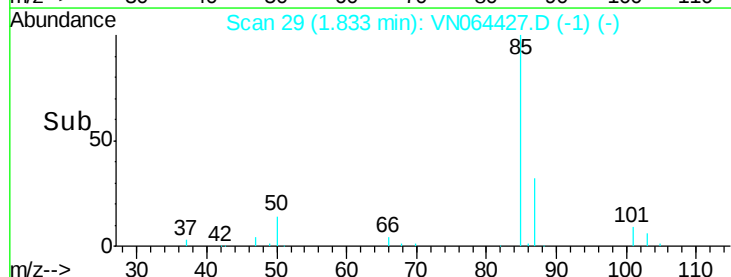
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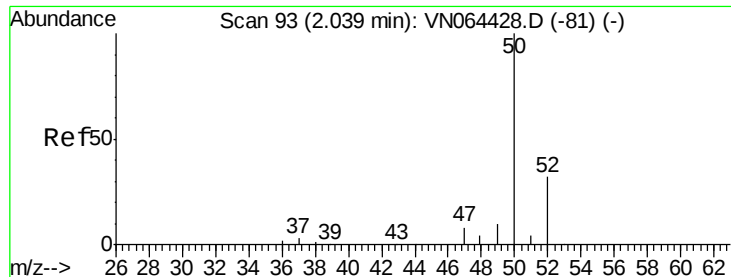
20000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 23.564 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

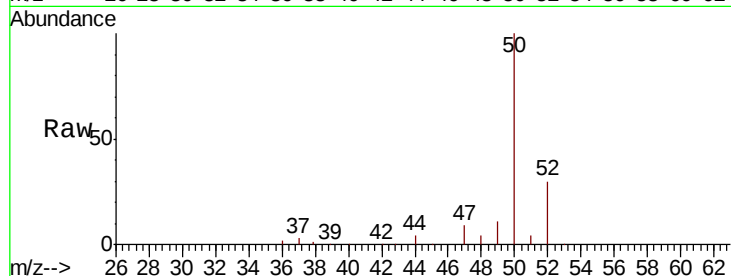
ClientSampled :

Tot Ion: 50 Resp: 113010

Ion Ratio Lower Upper

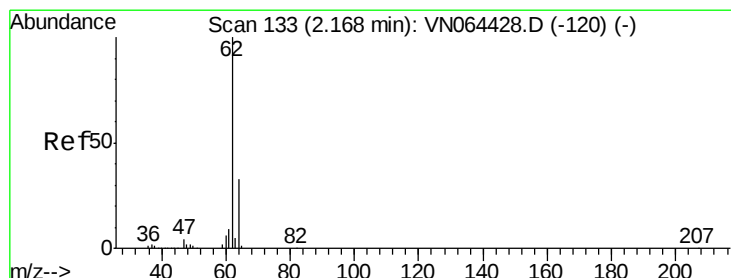
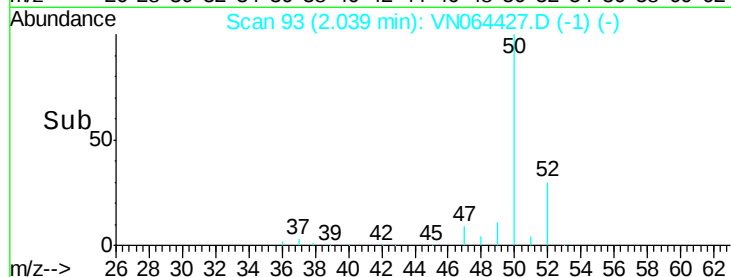
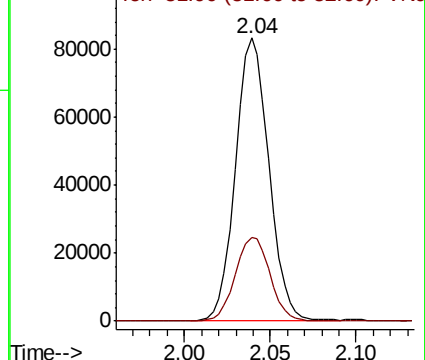
50 100

52 29.6 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 24.774 ug/l

RT: 2.17 min Scan# 133

Delta R.T. -0.00 min

Lab File: VN064427.D

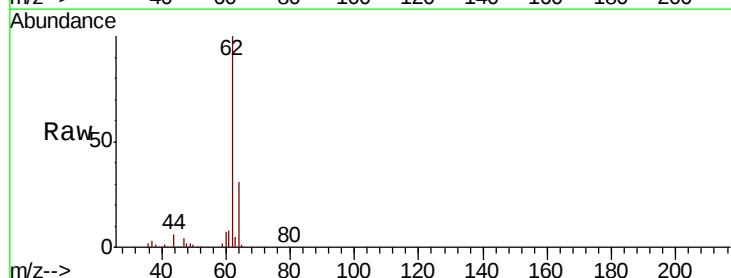
Acq: 4 Nov 2020 10:36

Tgt Ion: 62 Resp: 115812

Ion Ratio Lower Upper

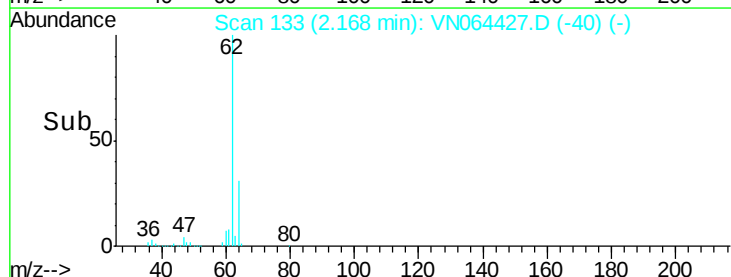
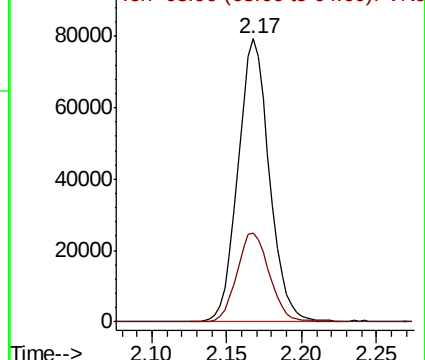
62 100

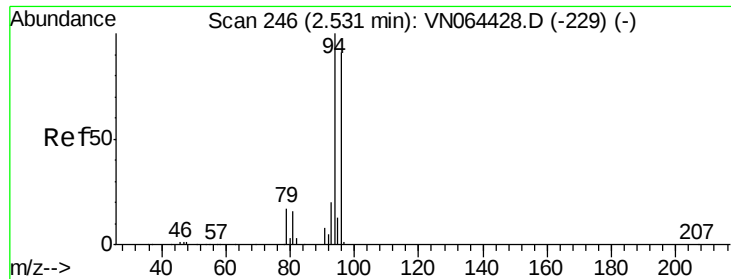
64 31.4 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 23.848 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

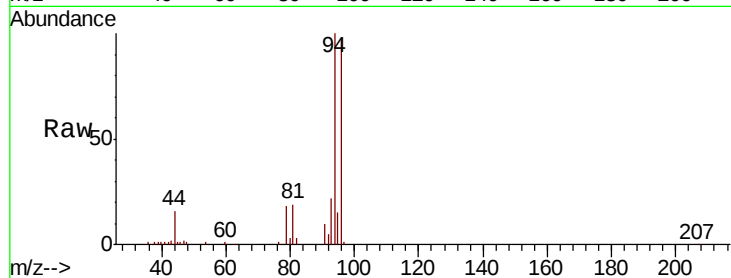
ClientSampled :

Tot Ion: 94 Resp: 73067

Ion Ratio Lower Upper

94 100

96 97.4 73.1 109.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

40000

30000

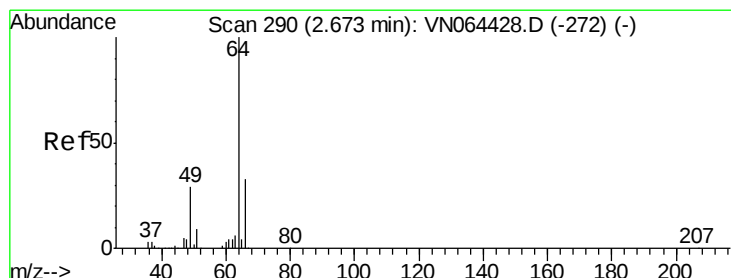
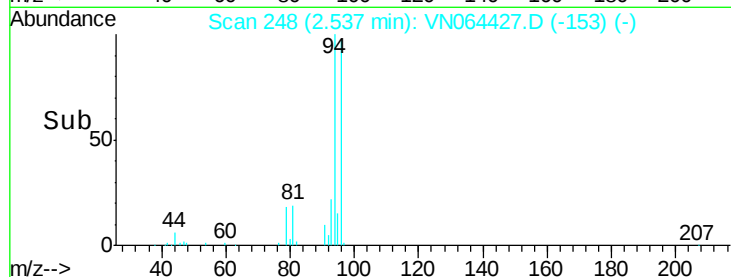
20000

10000

0

Time-->

2.45 2.50 2.55 2.60



#6

Chloroethane

Concen: 25.856 ug/l

RT: 2.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN064427.D

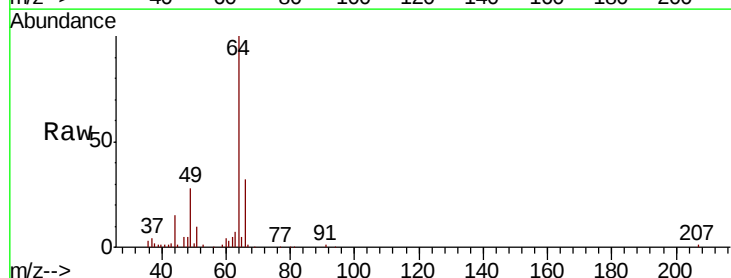
Acq: 4 Nov 2020 10:36

Tgt Ion: 64 Resp: 73739

Ion Ratio Lower Upper

64 100

66 31.9 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

40000

30000

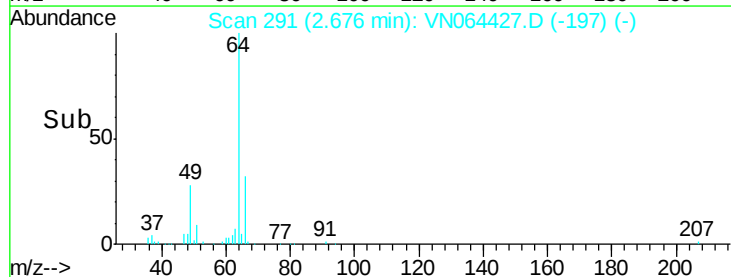
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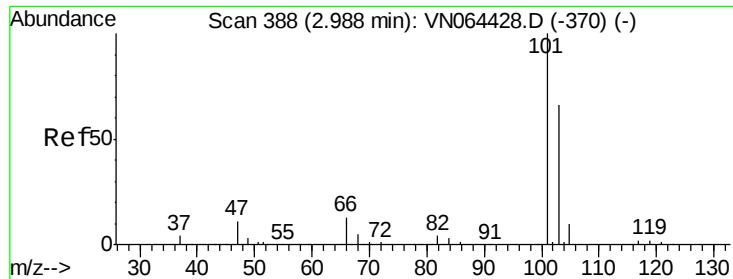
10000

0

Time-->

2.60 2.65 2.70 2.75 2.80



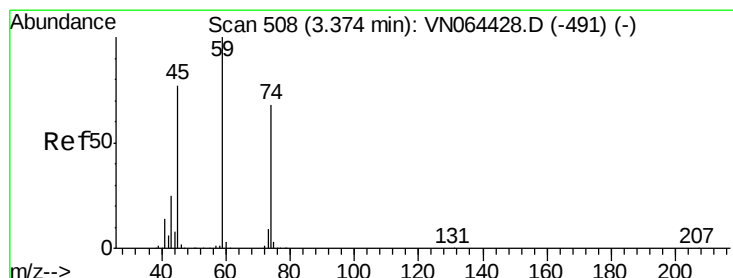
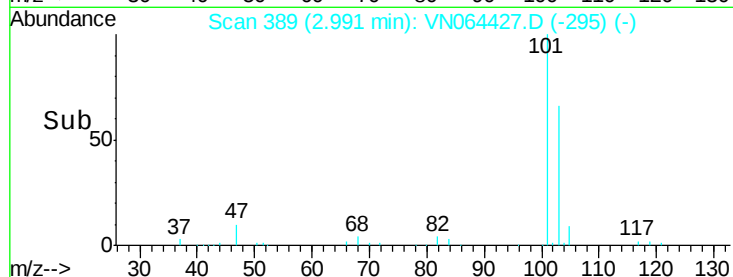
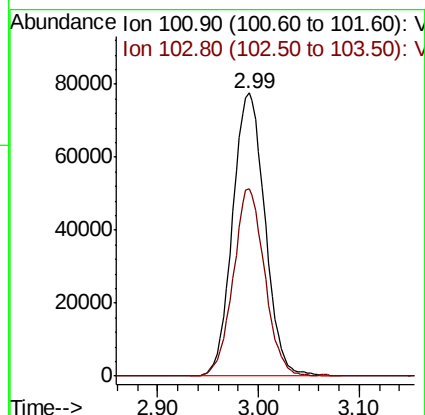
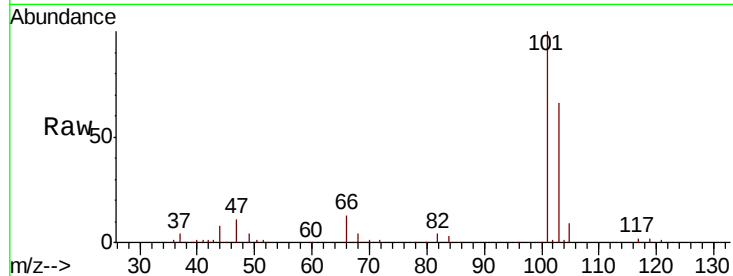


#7

Trichlorofluoromethane
Concen: 22.587 ug/l
RT: 2.99 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :

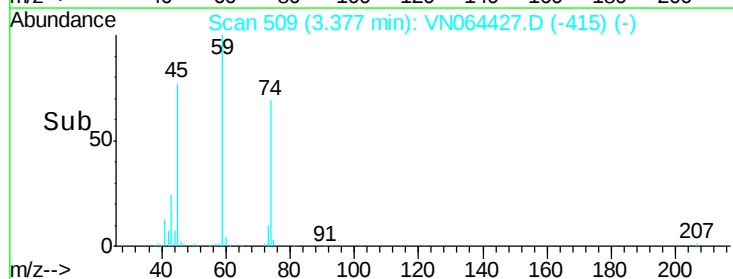
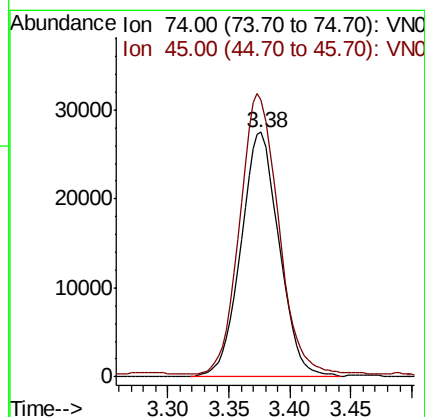
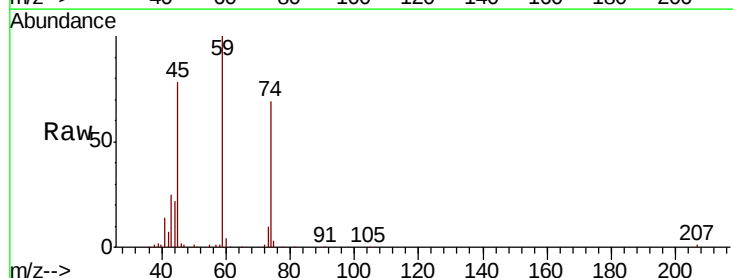
Tot Ion:101 Resp: 172838
Ion Ratio Lower Upper
101 100
103 66.4 52.4 78.6

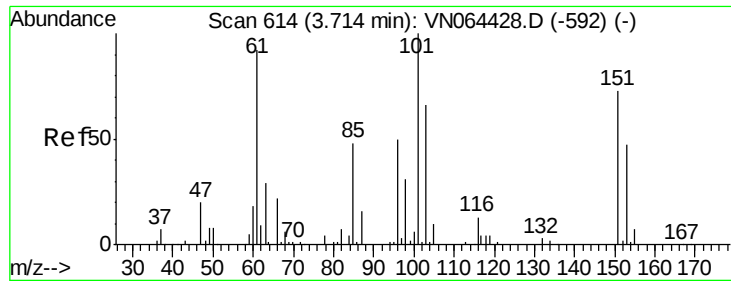


#8

Diethyl Ether
Concen: 24.178 ug/l
RT: 3.38 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 74 Resp: 59578
Ion Ratio Lower Upper
74 100
45 115.2 55.9 167.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.786 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

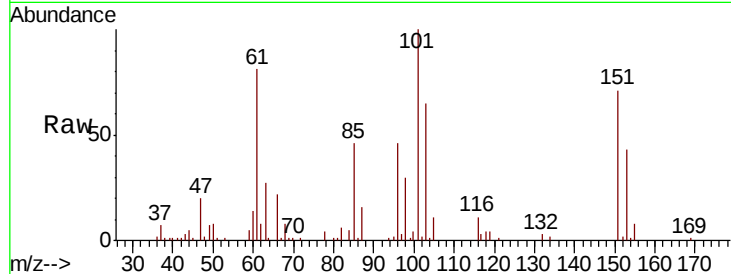
Tot Ion:101 Resp: 78898

Ion Ratio Lower Upper

101 100

85 48.9 38.6 57.8

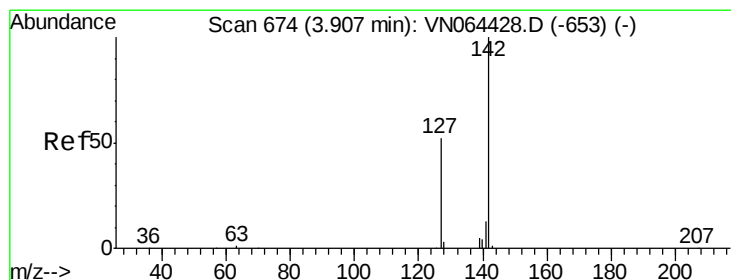
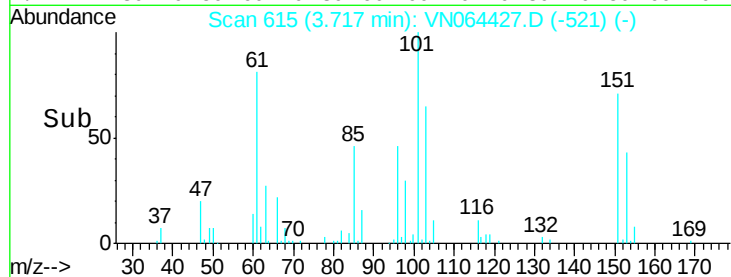
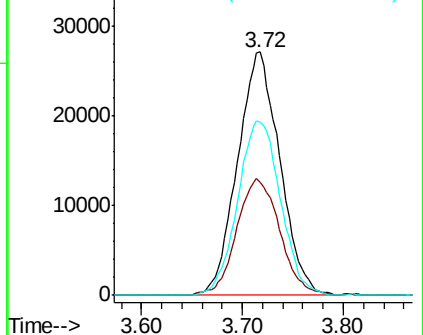
151 72.7 57.5 86.3



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.938 ug/l

RT: 3.91 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

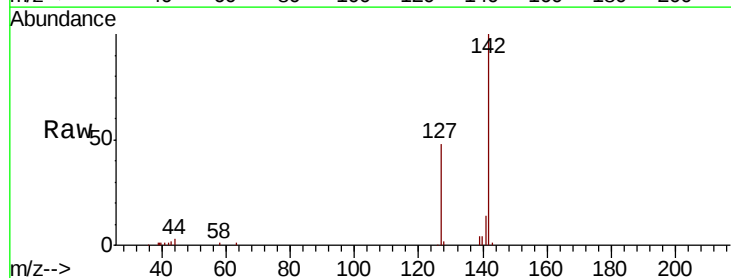
Tgt Ion:142 Resp: 93800

Ion Ratio Lower Upper

142 100

127 51.3 41.8 62.8

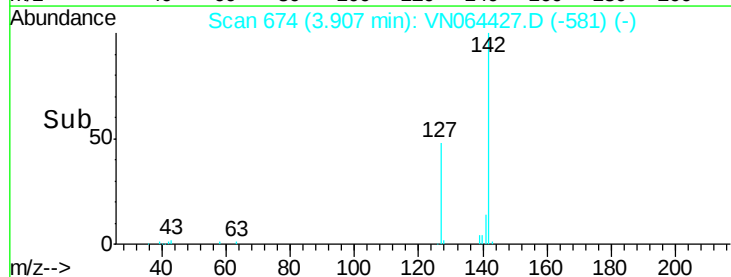
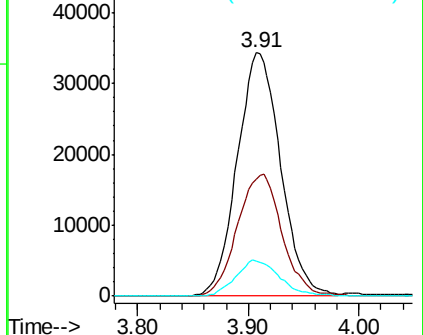
141 14.7 11.4 17.2

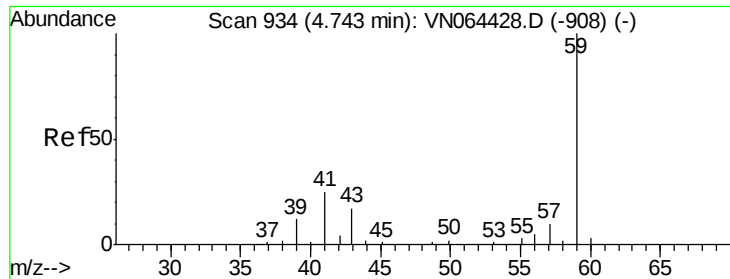


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

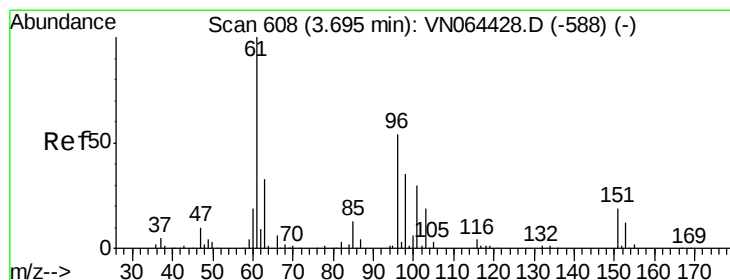
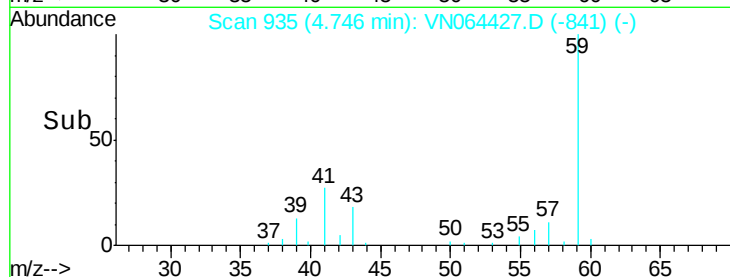
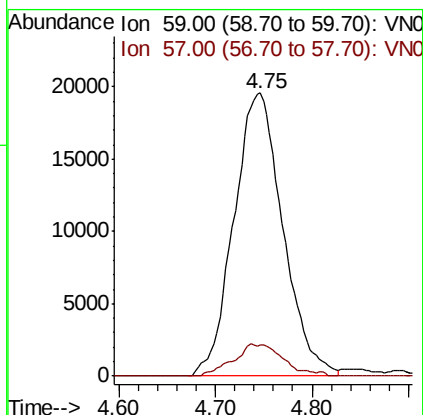
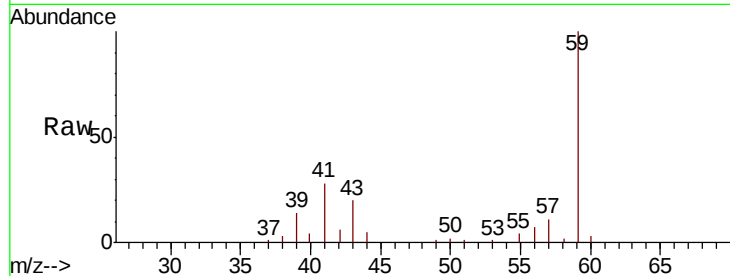




#11
Tert butyl alcohol
Concen: 82.917 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

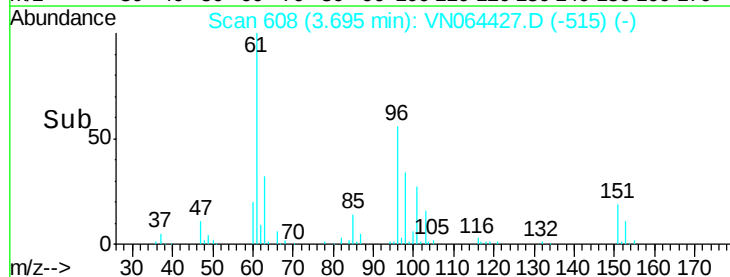
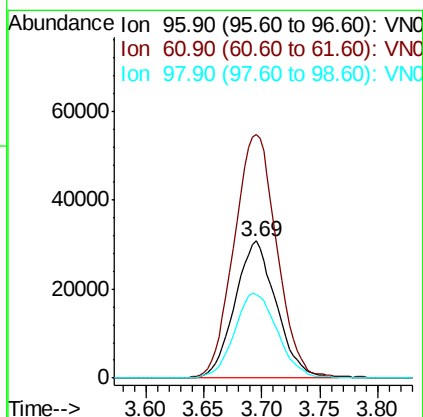
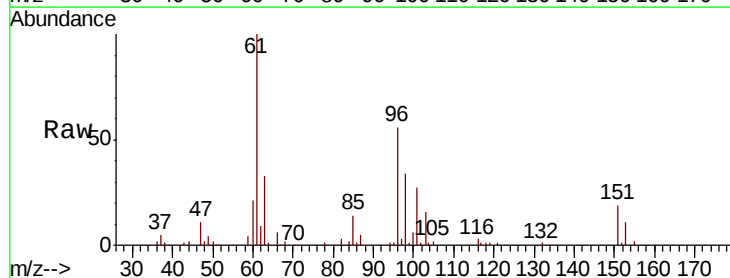
Instrument :
MSVOA_N
ClientSampled :

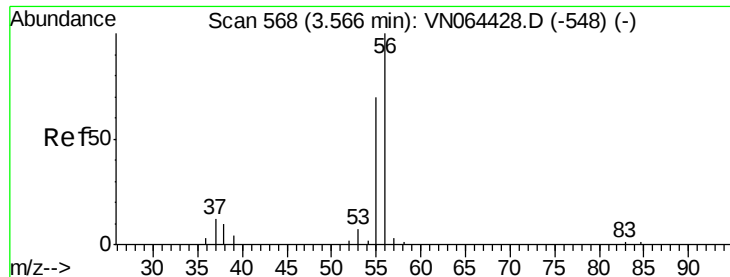
Tot Ion: 59 Resp: 68891
Ion Ratio Lower Upper
59 100
57 11.4 9.0 13.4



#12
1,1-Dichloroethene
Concen: 21.353 ug/l
RT: 3.69 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 96 Resp: 76539
Ion Ratio Lower Upper
96 100
61 177.3 149.5 224.3
98 61.2 52.4 78.6





#13

Acrolein

Concen: 161.661 ug/l

RT: 3.57 min Scan# 568

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

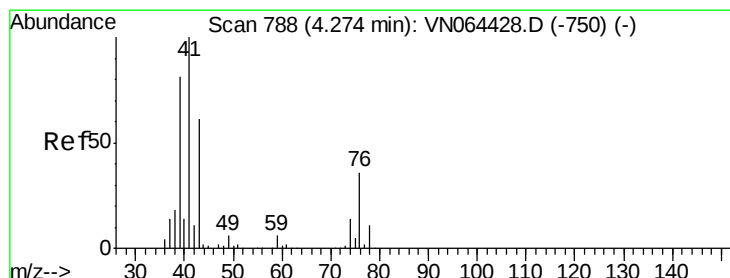
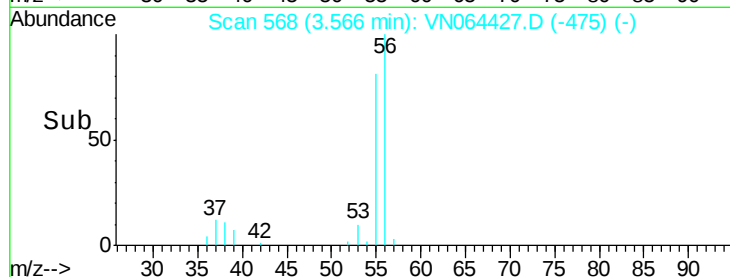
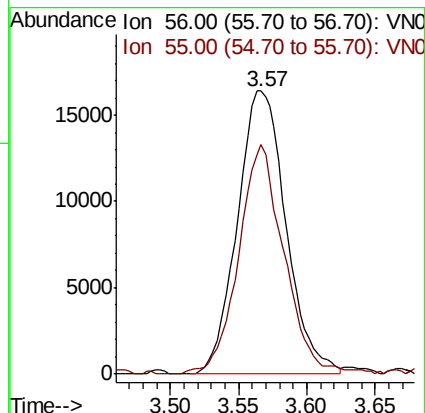
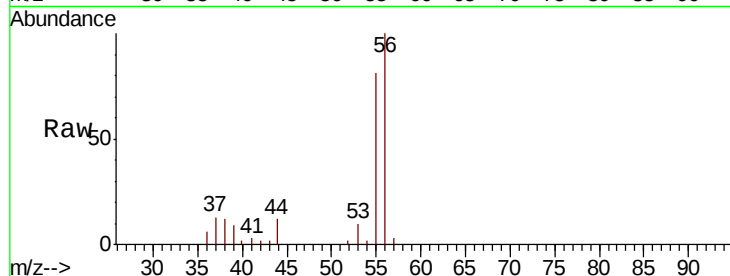
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 40683

Ion Ratio Lower Upper

56 100

55 75.8 55.9 83.9



#14

Allyl chloride

Concen: 20.011 ug/l

RT: 4.28 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

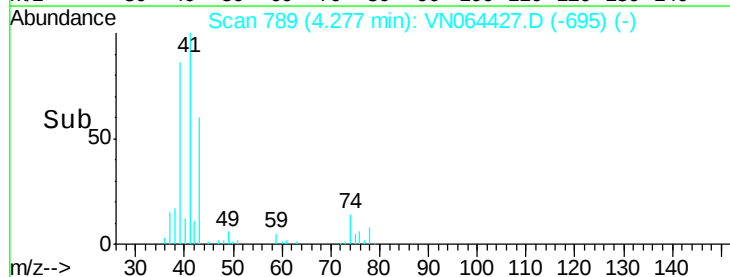
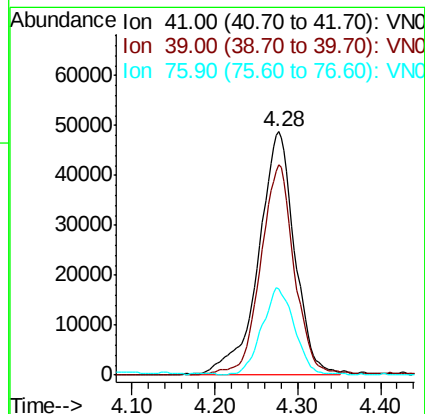
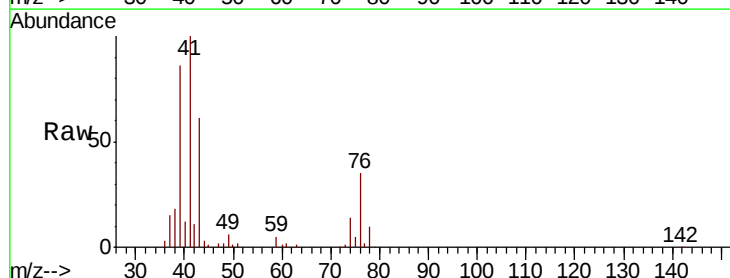
Tgt Ion: 41 Resp: 146134

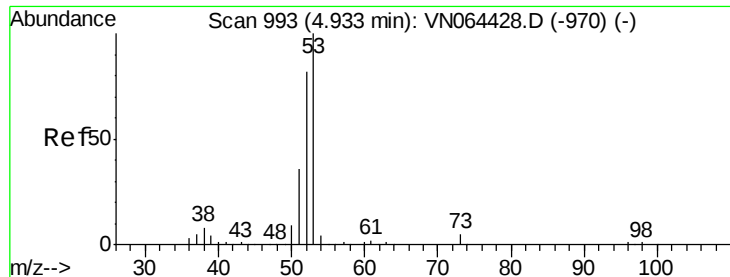
Ion Ratio Lower Upper

41 100

39 82.2 61.8 92.8

76 33.0 25.4 38.0





#15

Acrylonitrile

Concen: 105.690 ug/l

RT: 4.93 min Scan# 993

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :

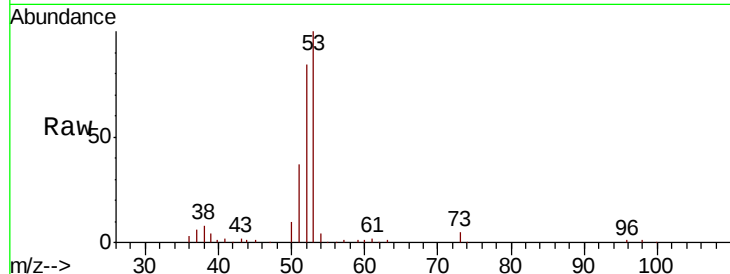
Tot Ion: 53 Resp: 198251

Ion Ratio Lower Upper

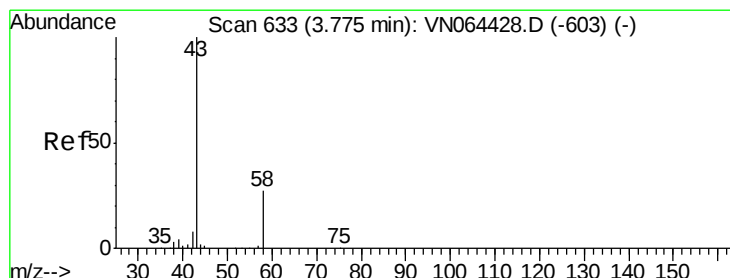
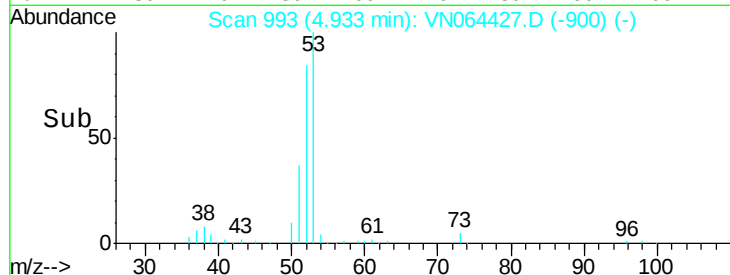
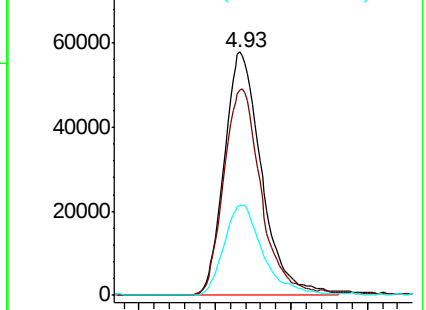
53 100

52 84.1 65.6 98.4

51 38.7 29.9 44.9



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 115.650 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064427.D

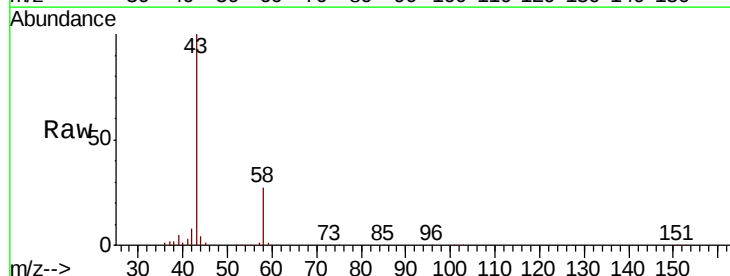
Acq: 4 Nov 2020 10:36

Tgt Ion: 43 Resp: 257405

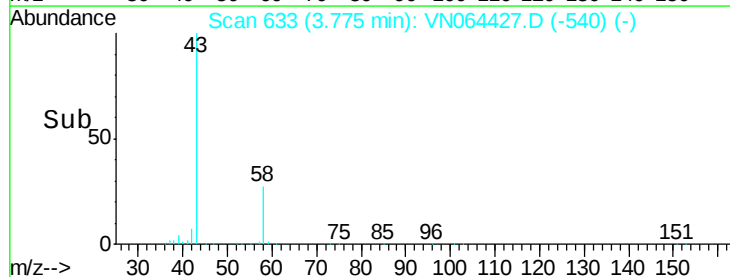
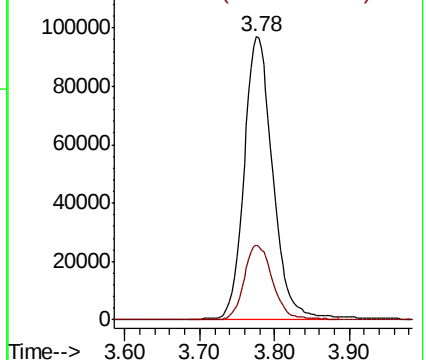
Ion Ratio Lower Upper

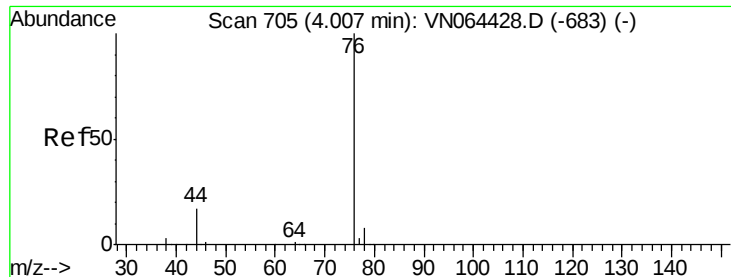
43 100

58 26.6 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

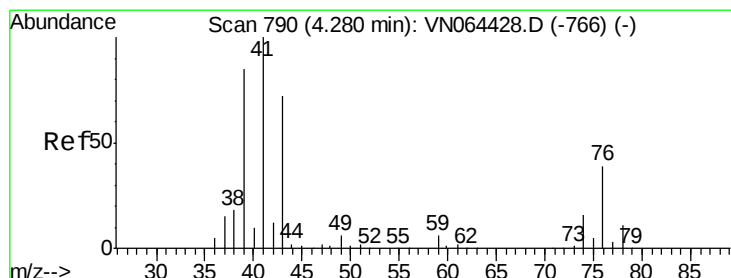
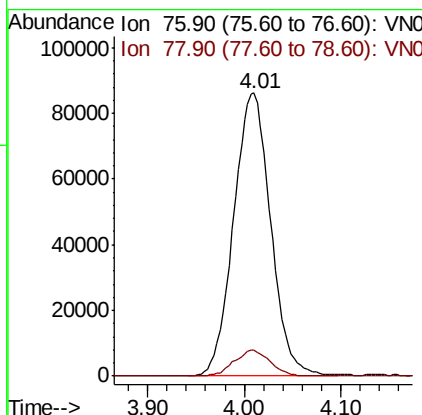
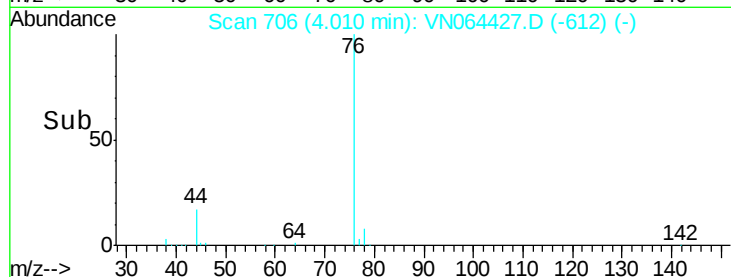
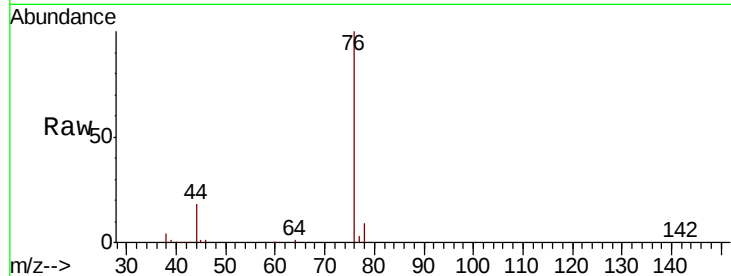




#17
Carbon Disulfide
Concen: 21.461 ug/l
RT: 4.01 min Scan# 706
Delta R.T. 0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

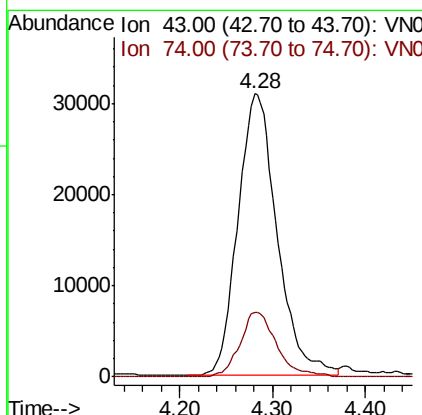
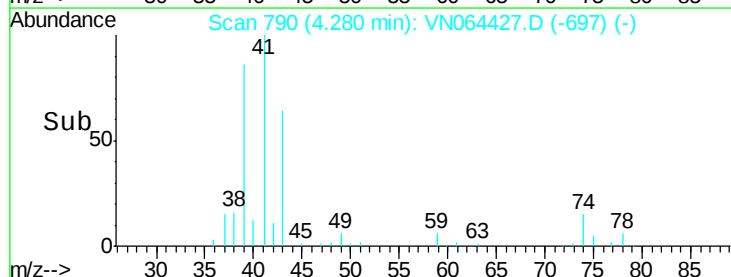
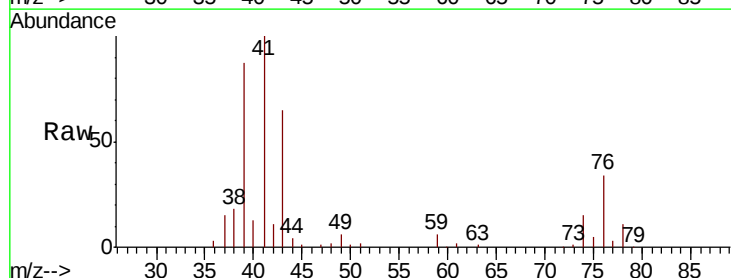
Instrument :
MSVOA_N
ClientSampleId :

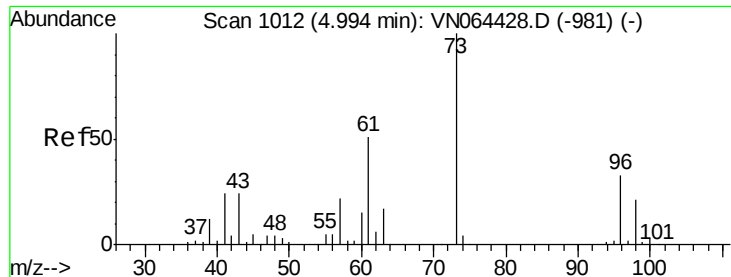
Tot Ion: 76 Resp: 229477
Ion Ratio Lower Upper
76 100
78 9.2 6.8 10.2



#18
Methyl Acetate
Concen: 20.308 ug/l
RT: 4.28 min Scan# 790
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 43 Resp: 90830
Ion Ratio Lower Upper
43 100
74 21.5 17.0 25.4

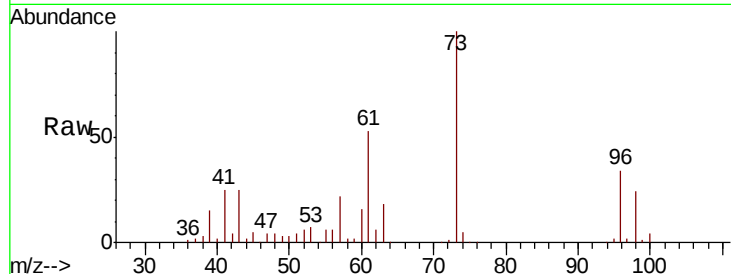




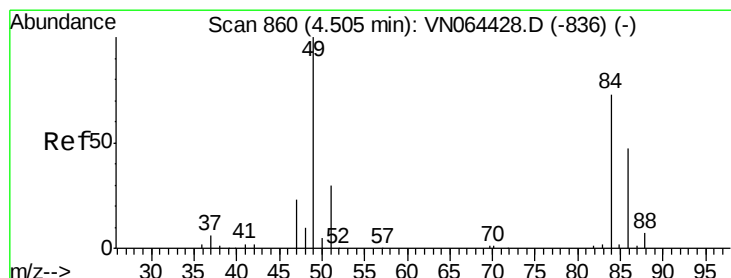
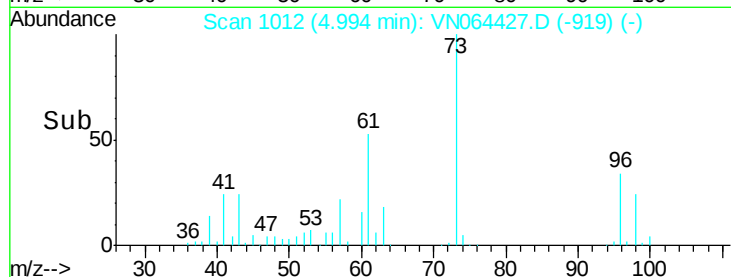
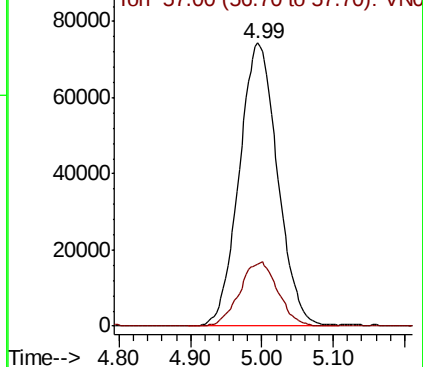
#19
Methyl tert-butyl Ether
Concen: 20.383 ug/l
RT: 4.99 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 278324
Ion Ratio Lower Upper
73 100
57 22.0 17.7 26.5

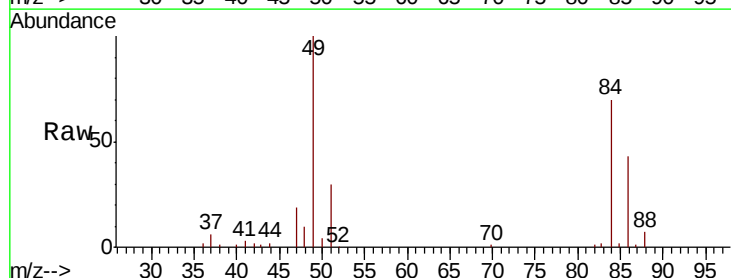


Abundance Ion 73.00 (72.70 to 73.70): VN064427.D (-919) (-)
Ion 57.00 (56.70 to 57.70): VN064427.D (-919) (-)

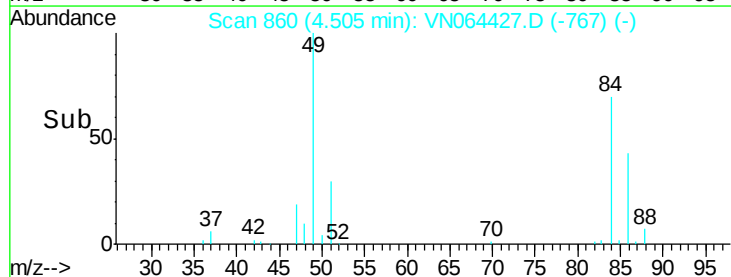
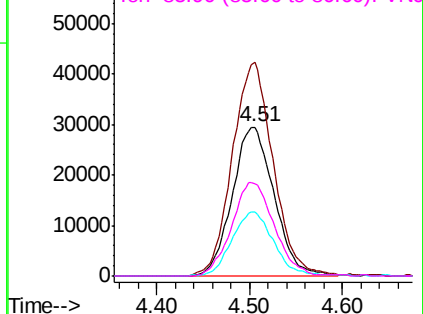


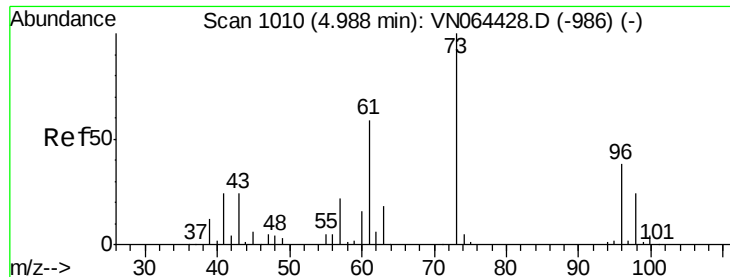
#20
Methylene Chloride
Concen: 21.604 ug/l
RT: 4.51 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 84 Resp: 92457
Ion Ratio Lower Upper
84 100
49 143.2 110.1 165.1
51 42.6 33.6 50.4
86 62.2 52.1 78.1



Abundance Ion 83.90 (83.60 to 84.60): VN064427.D (-767) (-)
Ion 48.90 (48.60 to 49.60): VN064427.D (-767) (-)
Ion 50.90 (50.60 to 51.60): VN064427.D (-767) (-)
Ion 85.90 (85.60 to 86.60): VN064427.D (-767) (-)





#21

trans-1,2-Dichloroethene

Concen: 22.068 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

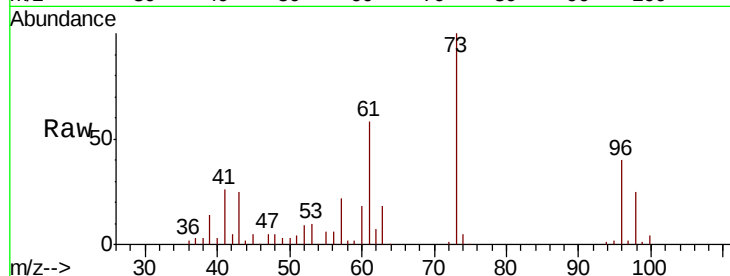
Tot Ion: 96 Resp: 89079

Ion Ratio Lower Upper

96 100

61 144.9 122.4 183.6

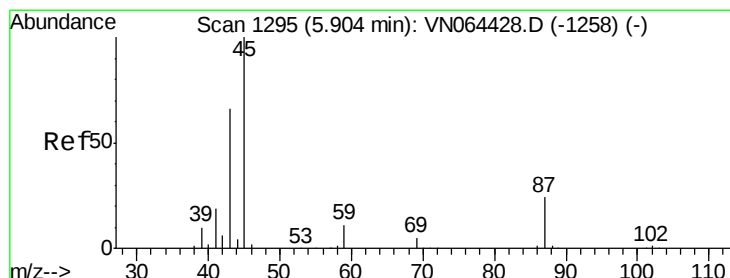
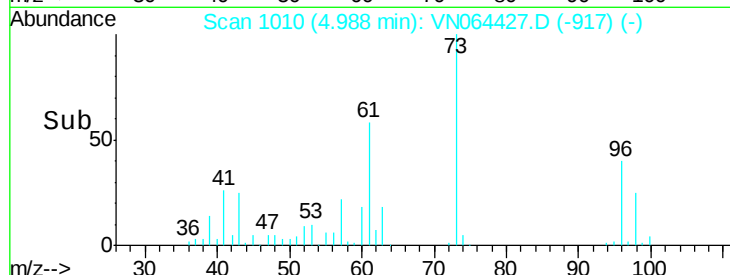
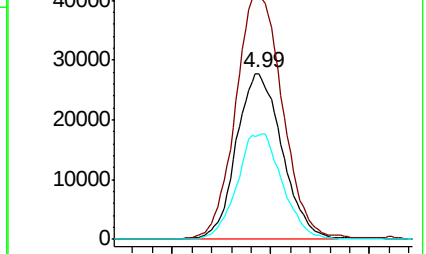
98 62.4 50.4 75.6



Abundance Ion 95.90 (95.60 to 96.60): VN064427.D (-917) (-)

Ion 60.90 (60.60 to 61.60): VN064427.D (-917) (-)

Ion 97.90 (97.60 to 98.60): VN064427.D (-917) (-)



#22

Diisopropyl ether

Concen: 21.904 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Tgt Ion: 45 Resp: 318547

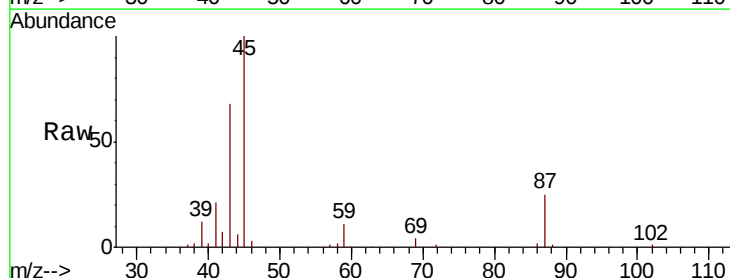
Ion Ratio Lower Upper

45 100

43 66.3 53.2 79.8

87 24.7 19.9 29.9

59 11.3 8.6 13.0

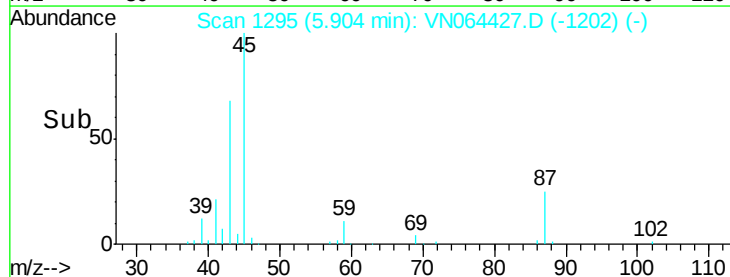
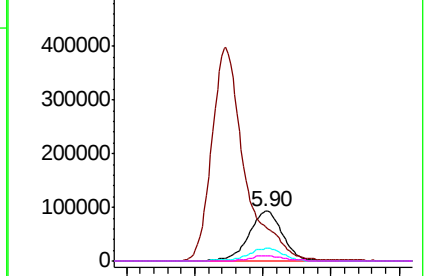


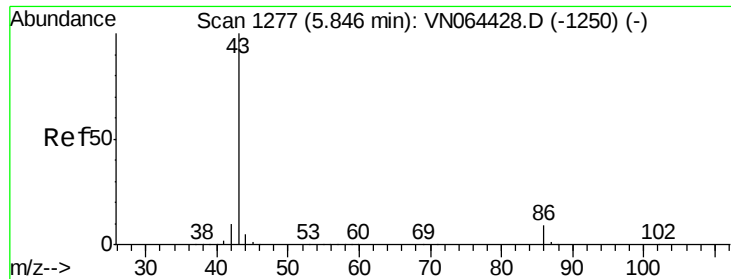
Abundance Ion 45.00 (44.70 to 45.70): VN064427.D (-1202) (-)

Ion 43.00 (42.70 to 43.70): VN064427.D (-1202) (-)

Ion 87.00 (86.70 to 87.70): VN064427.D (-1202) (-)

Ion 59.00 (58.70 to 59.70): VN064427.D (-1202) (-)





#23

Vinyl Acetate

Concen: 110.081 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

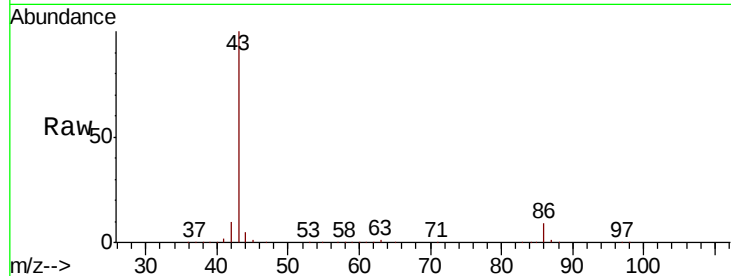
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 1339299

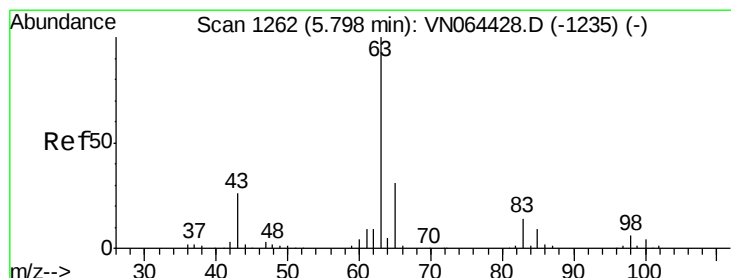
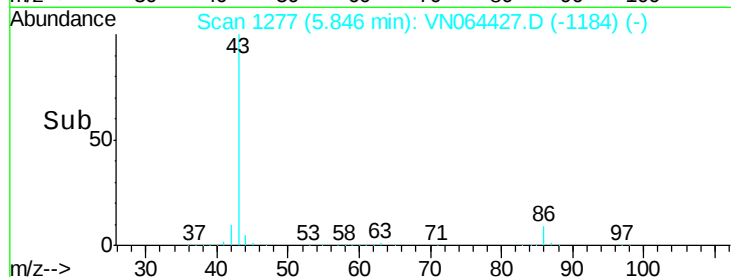
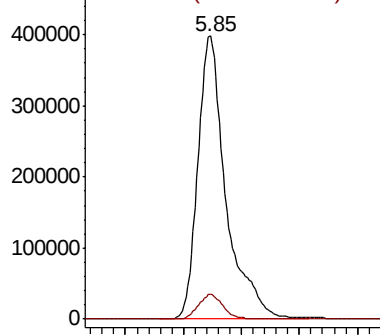
Ion Ratio Lower Upper

43 100

86 8.9 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.890 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

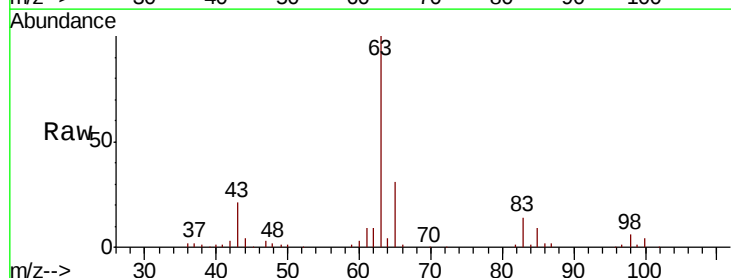
Tgt Ion: 63 Resp: 176560

Ion Ratio Lower Upper

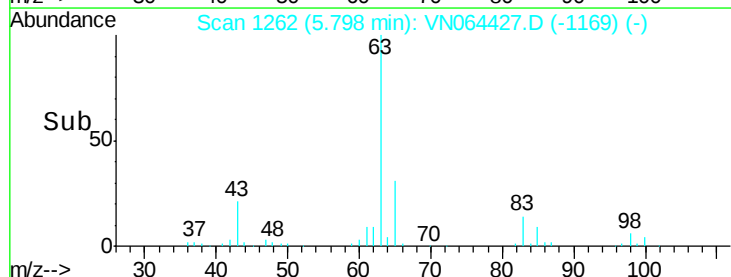
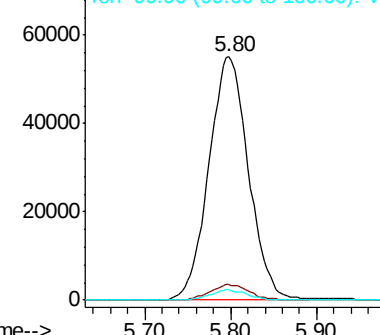
63 100

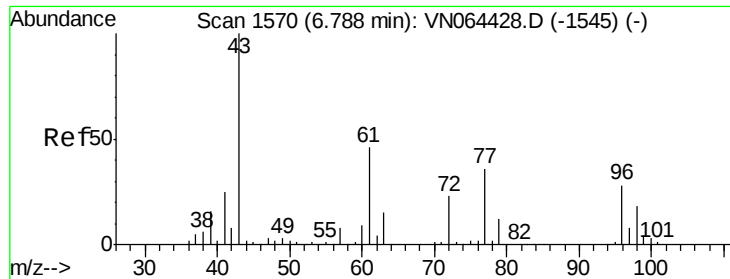
98 6.4 3.0 9.2

100 4.1 1.8 5.3



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 106.877 ug/l

RT: 6.79 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

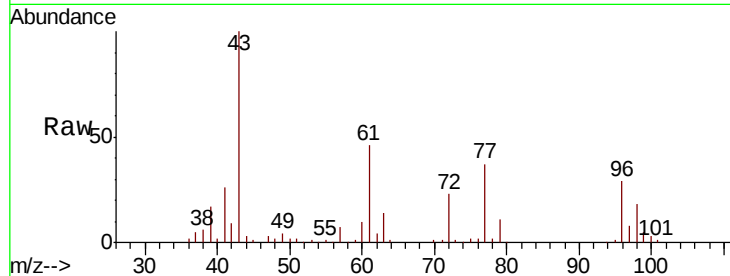
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 322610

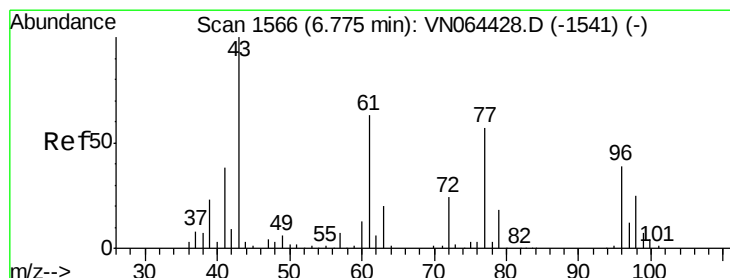
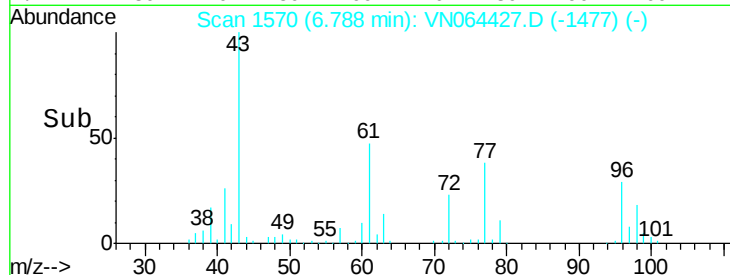
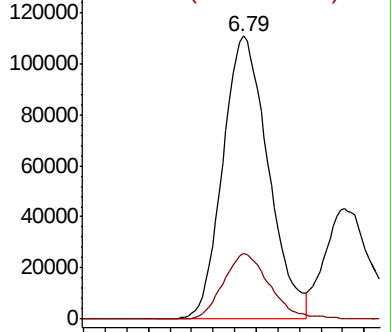
Ion Ratio Lower Upper

43 100

72 23.3 18.5 27.7



Abundance Ion 43.00 (42.70 to 43.70): VN064427.D (-1477) (-)



#26

2,2-Dichloropropane

Concen: 20.149 ug/l

RT: 6.78 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN064427.D

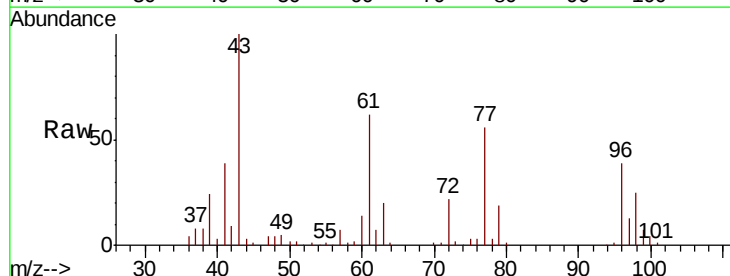
Acq: 4 Nov 2020 10:36

Tgt Ion: 77 Resp: 156754

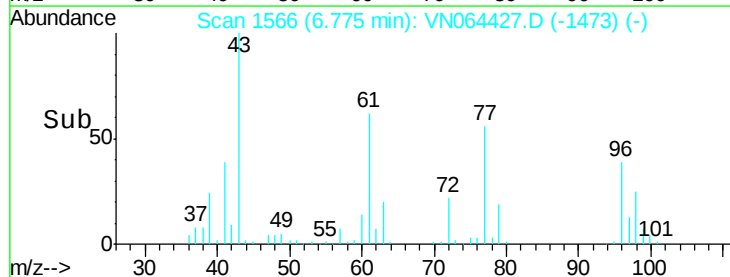
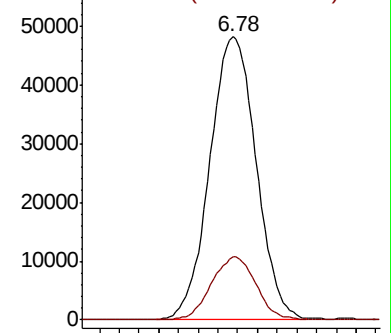
Ion Ratio Lower Upper

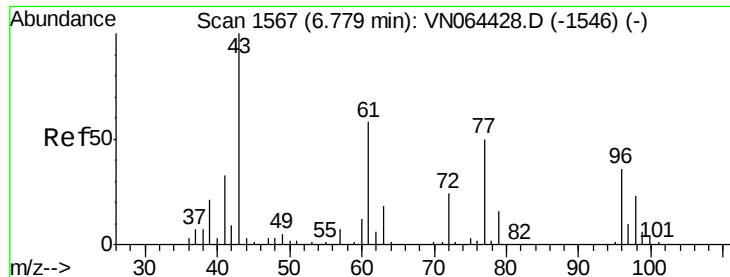
77 100

97 21.4 10.2 30.6



Abundance Ion 76.90 (76.60 to 77.60): VN064427.D (-1473) (-)





#27

cis-1,2-Dichloroethene

Concen: 21.730 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

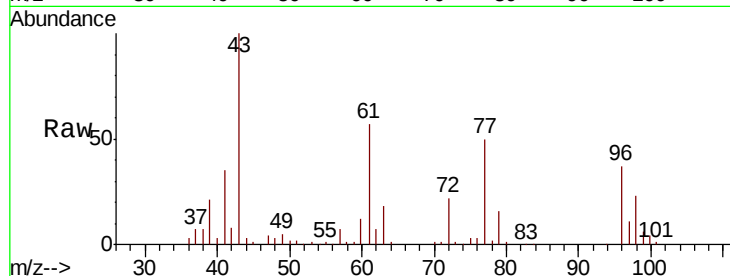
Tot Ion: 96 Resp: 100164

Ion Ratio Lower Upper

96 100

61 166.3 0.0 329.6

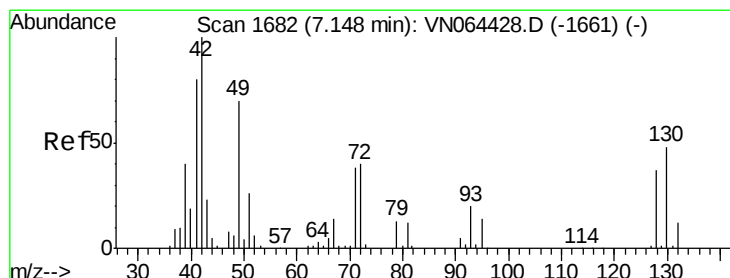
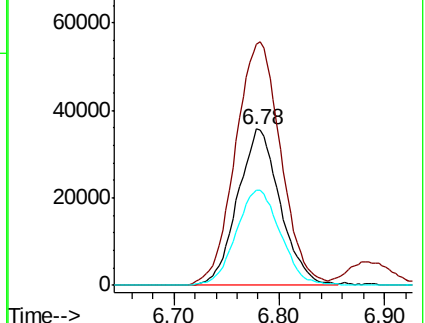
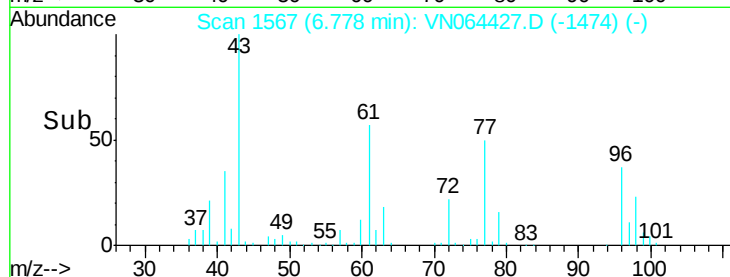
98 63.4 0.0 131.2



Abundance Ion 95.90 (95.60 to 96.60): VN064427.D (-1474) (-)

Ion 60.90 (60.60 to 61.60): VN064427.D (-1474) (-)

Ion 97.90 (97.60 to 98.60): VN064427.D (-1474) (-)



#28

Bromochloromethane

Concen: 24.749 ug/l

RT: 7.15 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

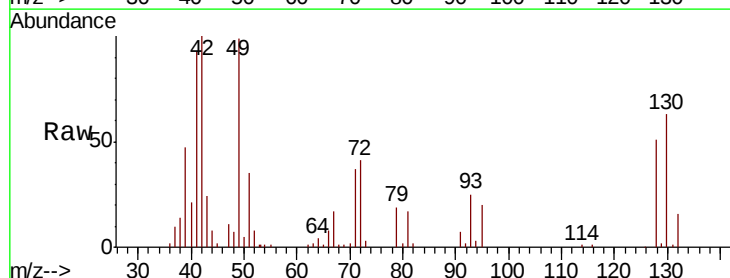
Tgt Ion: 49 Resp: 92759

Ion Ratio Lower Upper

49 100

129 0.9 0.0 3.6

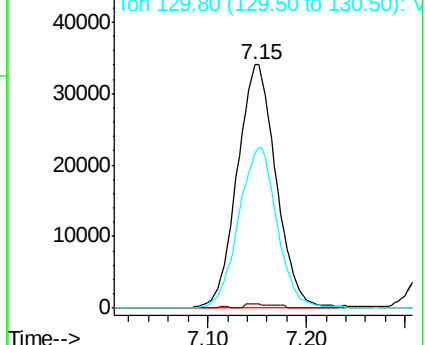
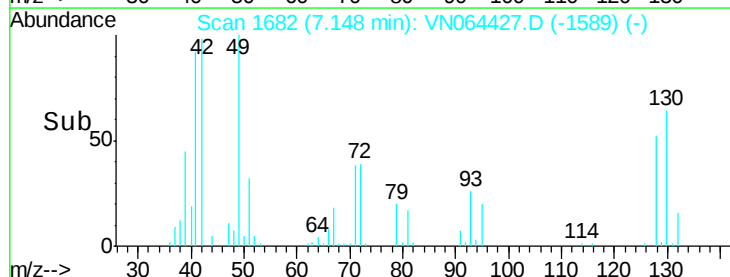
130 65.1 54.2 81.4

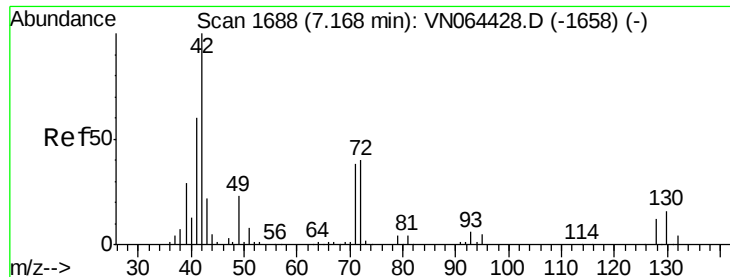


Abundance Ion 48.90 (48.60 to 49.60): VN064427.D (-1589) (-)

Ion 128.80 (128.50 to 129.50): VN064427.D (-1589) (-)

Ion 129.80 (129.50 to 130.50): VN064427.D (-1589) (-)

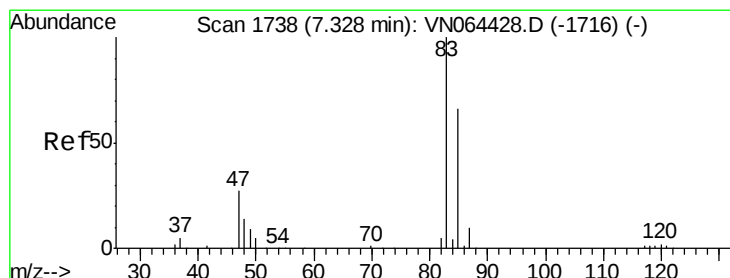
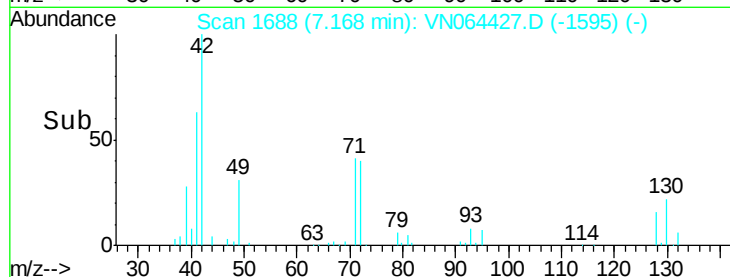
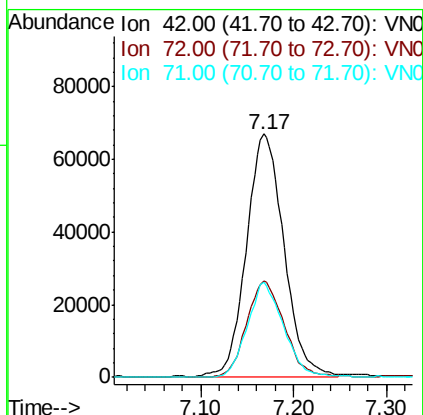
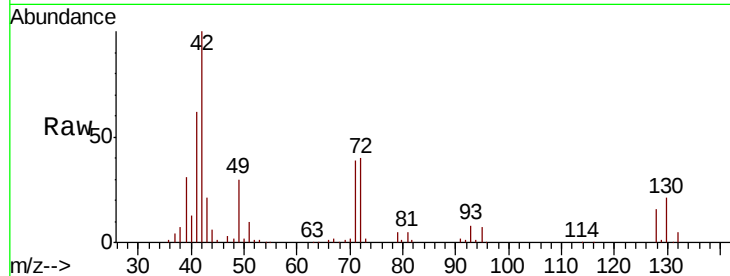




#29
Tetrahydrofuran
Concen: 96.798 ug/l
RT: 7.17 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

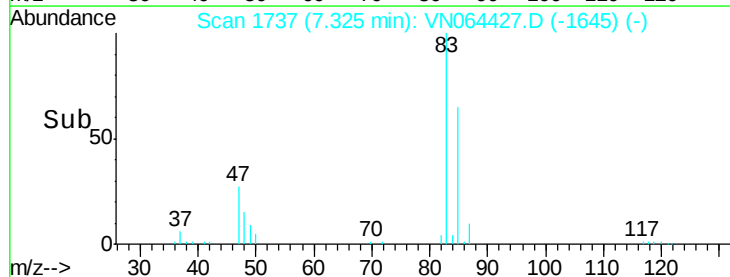
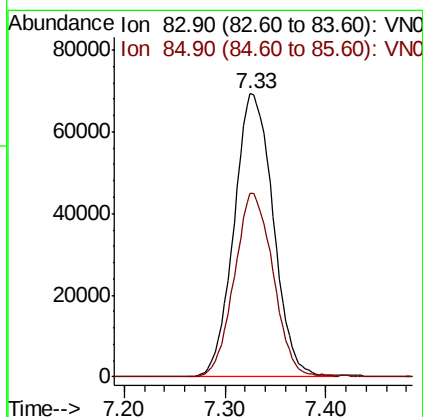
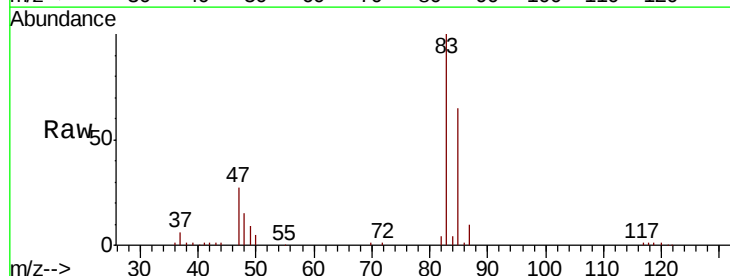
Instrument :
MSVOA_N
ClientSampled :

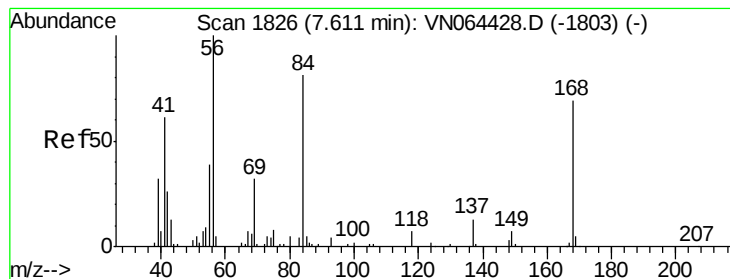
Tot Ion: 42 Resp: 186981
Ion Ratio Lower Upper
42 100
72 40.1 31.7 47.5
71 37.8 29.8 44.6



#30
Chloroform
Concen: 21.684 ug/l
RT: 7.33 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 83 Resp: 186705
Ion Ratio Lower Upper
83 100
85 64.8 52.5 78.7





#31

Cyclohexane

Concen: 20.546 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampleId :

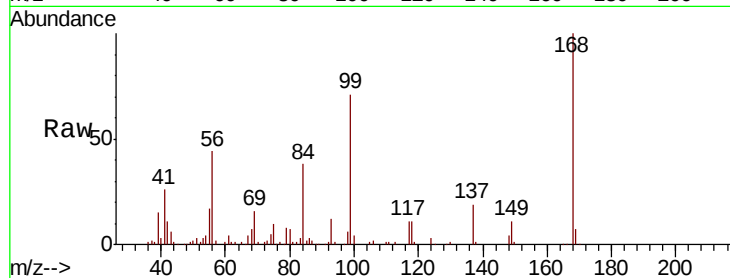
Tot Ion: 56 Resp: 145492

Ion Ratio Lower Upper

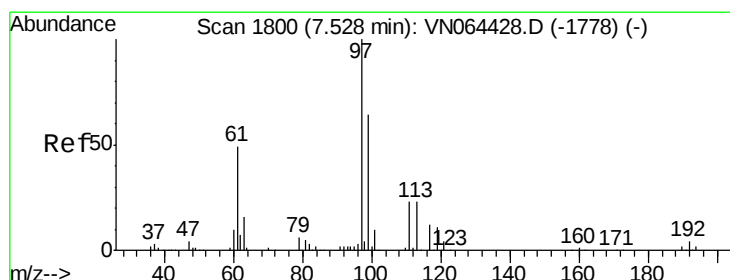
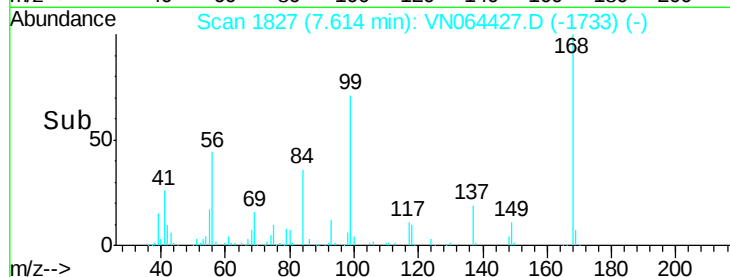
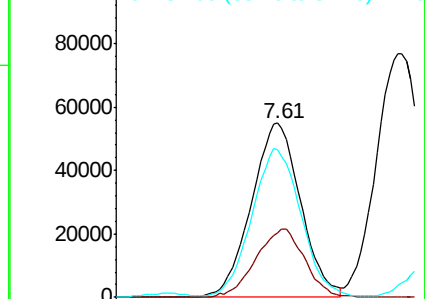
56 100

69 37.1 25.6 38.4

84 83.6 63.0 94.6



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO



#32

1,1,1-Trichloroethane

Concen: 20.274 ug/l

RT: 7.52 min Scan# 1799

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

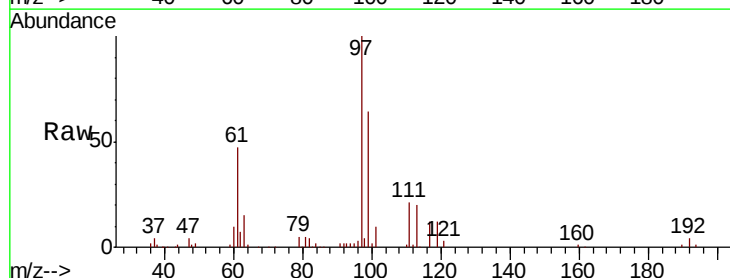
Tgt Ion: 97 Resp: 164822

Ion Ratio Lower Upper

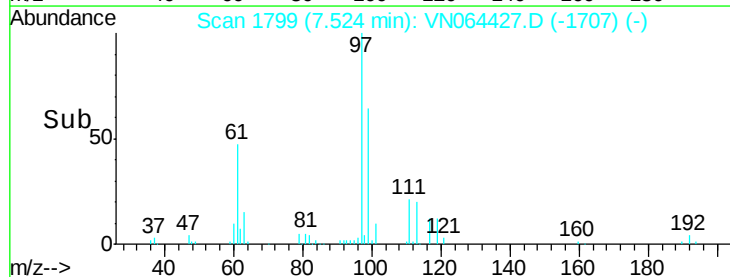
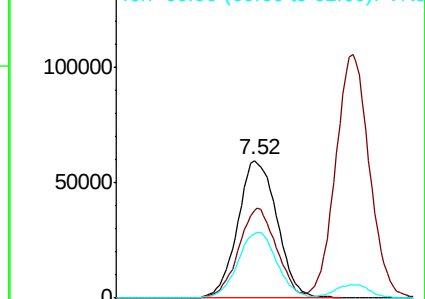
97 100

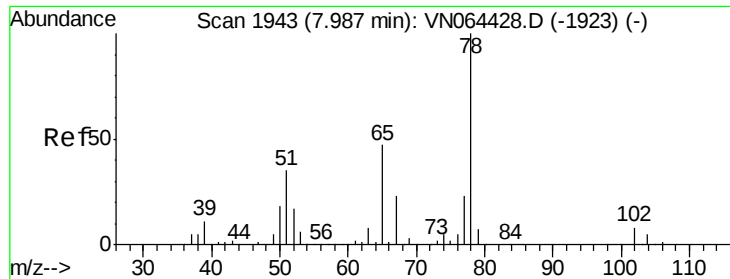
99 62.7 51.3 76.9

61 47.5 39.1 58.7



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO





#33

1,2-Dichloroethane-d4

Concen: 21.883 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

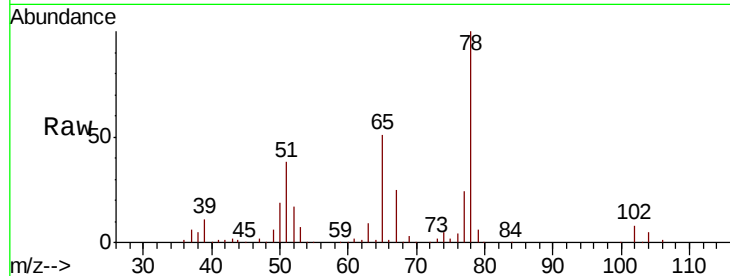
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 130852

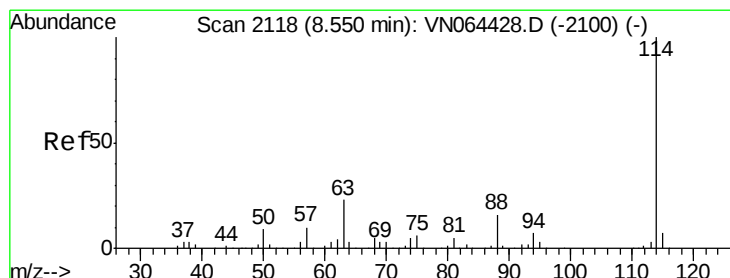
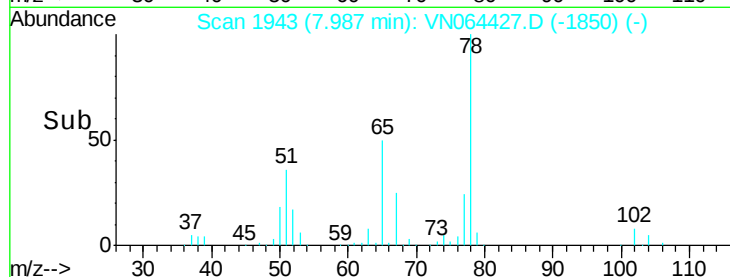
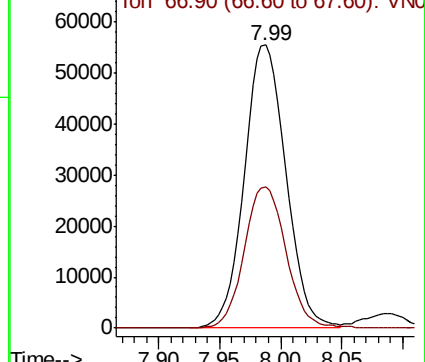
Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.6



Abundance Ion 64.90 (64.60 to 65.60): VN064427.D (-1850) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

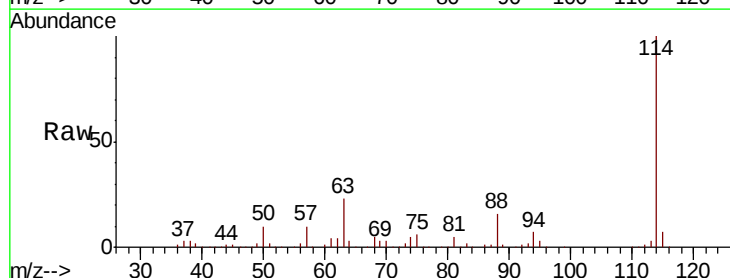
Tgt Ion: 114 Resp: 650850

Ion Ratio Lower Upper

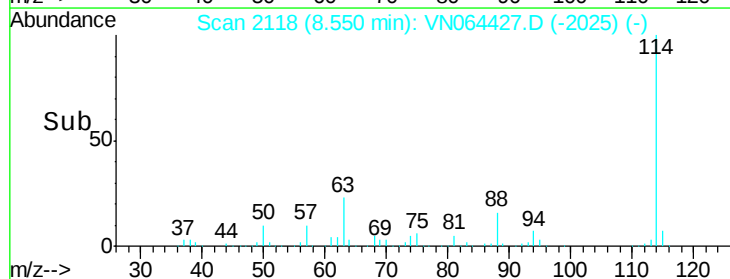
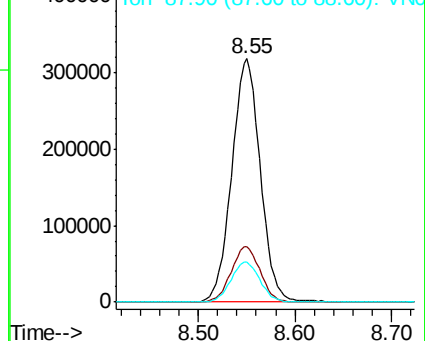
114 100

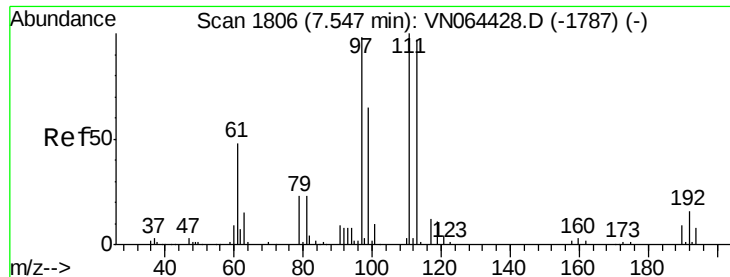
63 22.8 0.0 45.6

88 16.3 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN064427.D (-2025) (-)

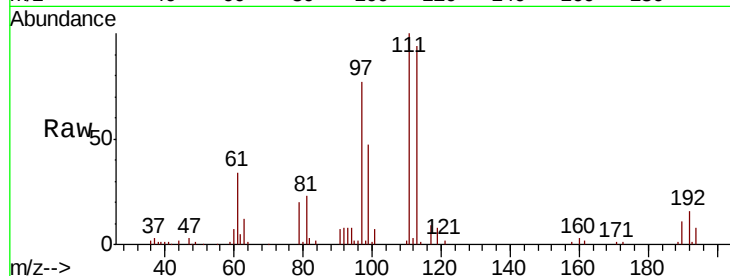




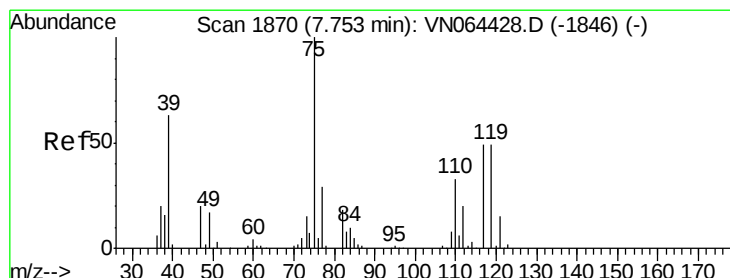
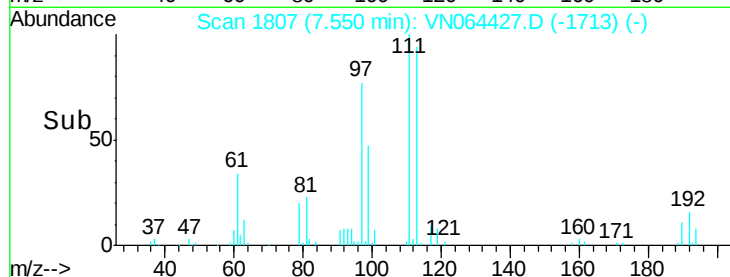
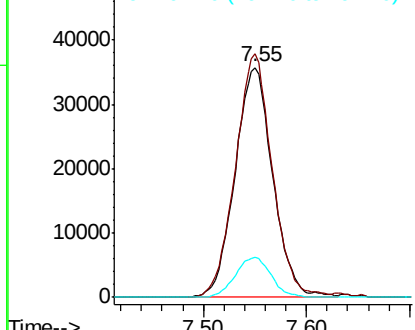
#35
 Dibromofluoromethane
 Concen: 20.965 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 91058
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.1 121.7
 192 16.3 12.8 19.2

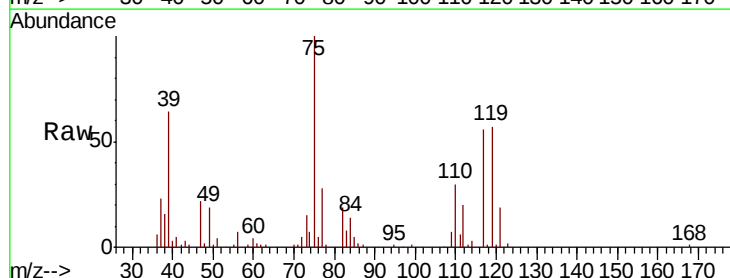


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

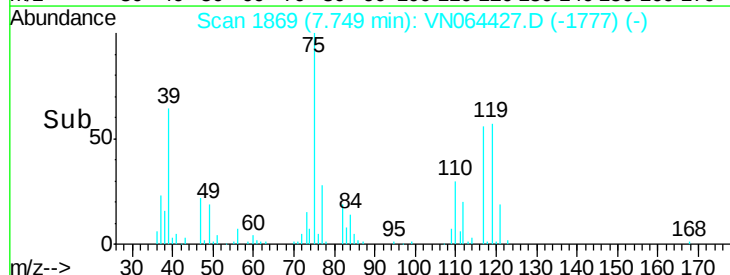
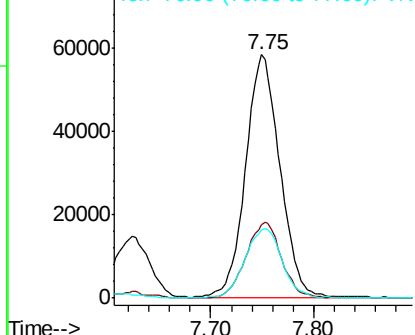


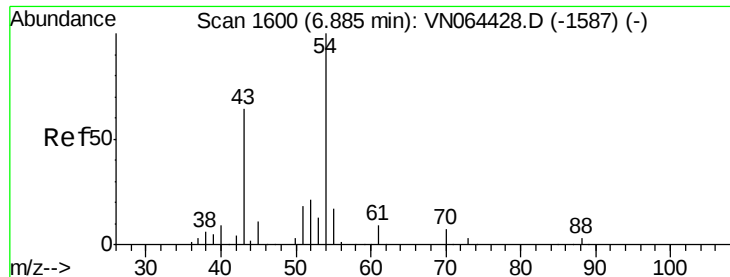
#36
 1,1-Dichloropropene
 Concen: 19.931 ug/l
 RT: 7.75 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 75 Resp: 133760
 Ion Ratio Lower Upper
 75 100
 110 32.4 16.0 48.0
 77 31.2 24.0 36.0



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

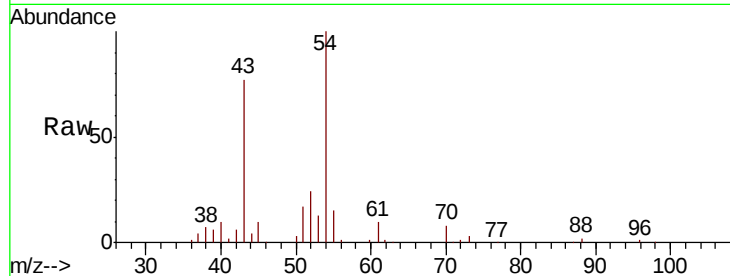




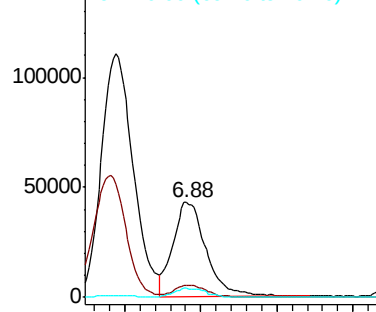
#37
Ethyl Acetate
Concen: 19.545 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :

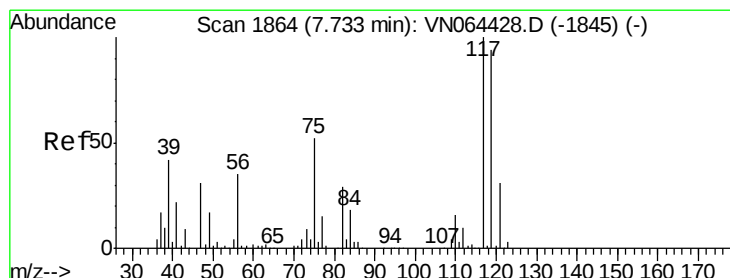
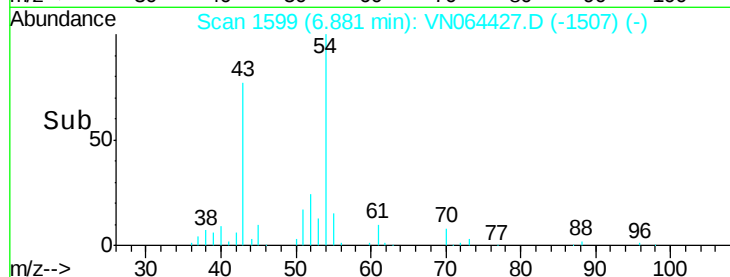
Tot Ion: 43 Resp: 130846
Ion Ratio Lower Upper
43 100
61 12.8 10.0 15.0
70 9.3 7.1 10.7



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

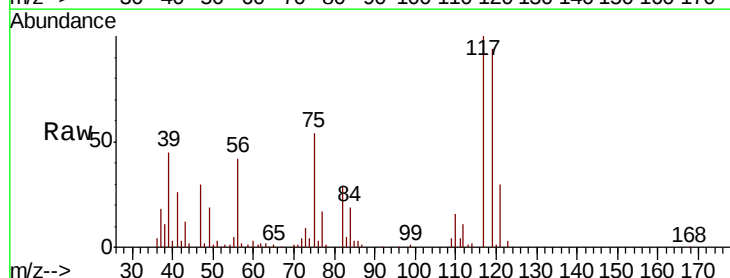


Time-->

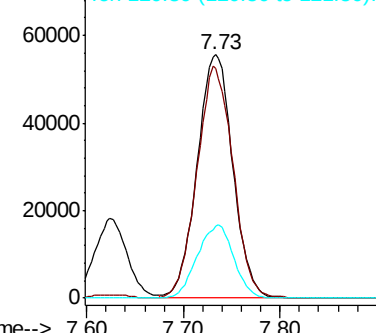


#38
Carbon Tetrachloride
Concen: 18.737 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

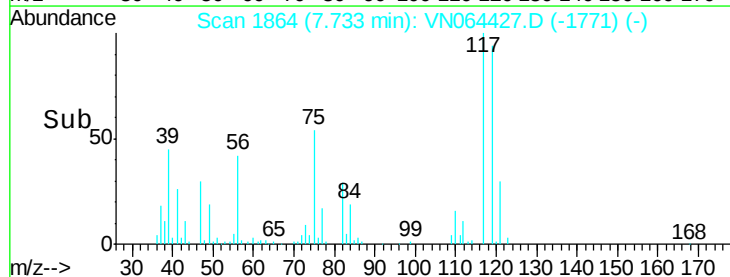
Tgt Ion: 117 Resp: 142587
Ion Ratio Lower Upper
117 100
119 94.4 75.5 113.3
121 29.7 24.4 36.6

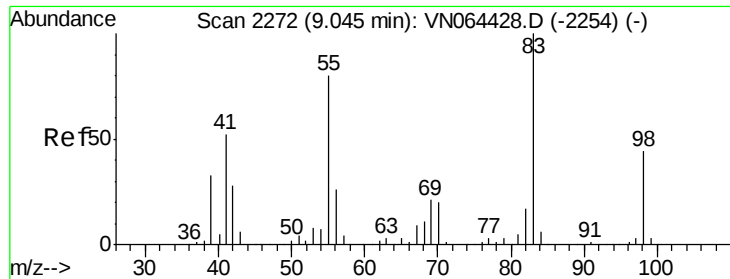


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



Time-->

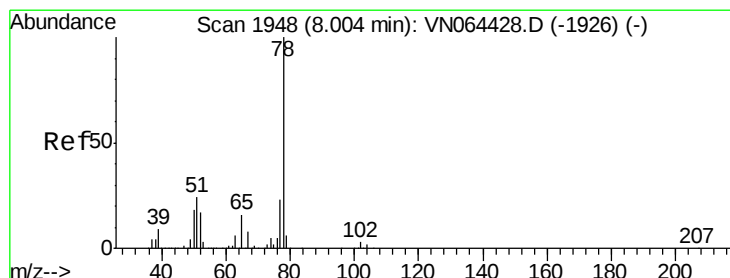
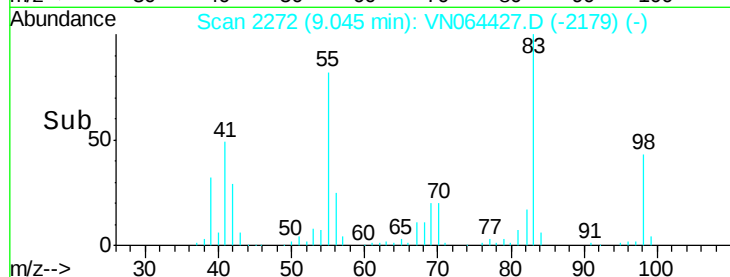
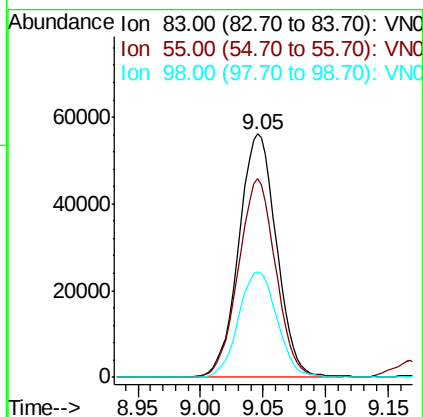
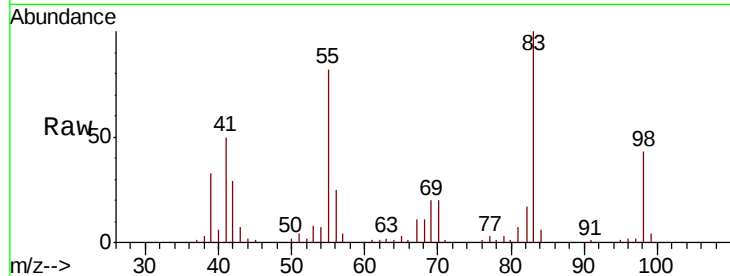




#39
Methvlcvclohexane
Concen: 17.979 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

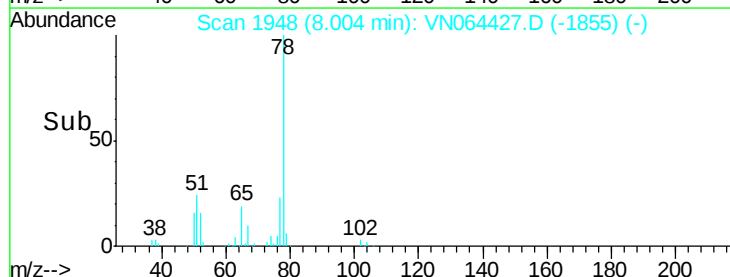
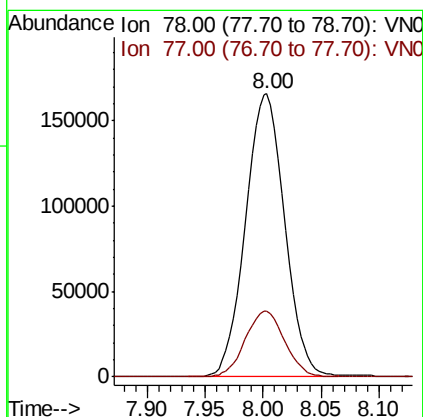
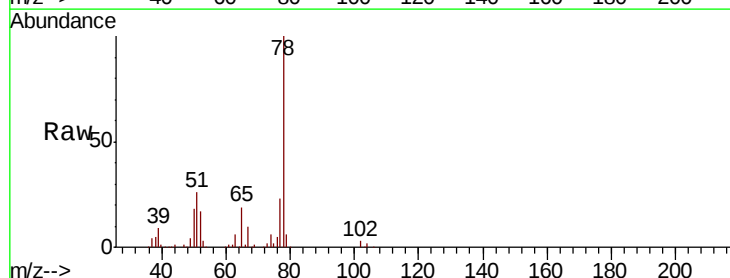
Instrument :
MSVOA_N
ClientSampled :

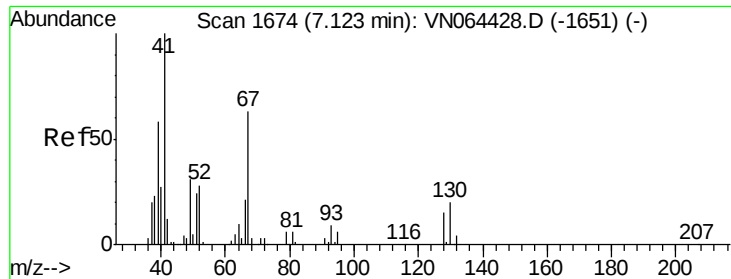
Tot Ion: 83 Resp: 117677
Ion Ratio Lower Upper
83 100
55 81.9 63.8 95.6
98 43.3 35.4 53.2



#40
Benzene
Concen: 20.735 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 78 Resp: 389799
Ion Ratio Lower Upper
78 100
77 23.2 18.7 28.1

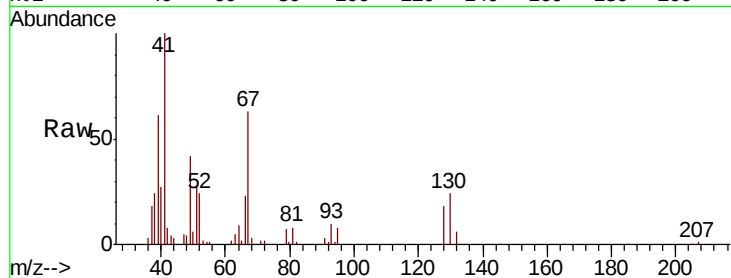




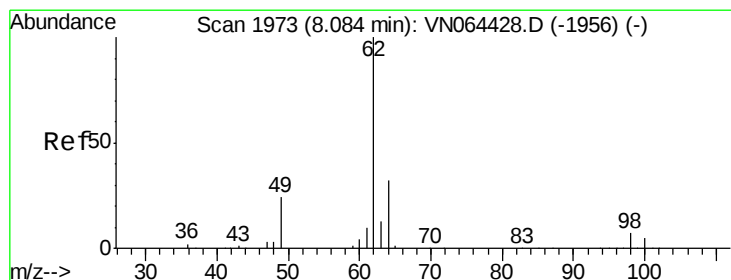
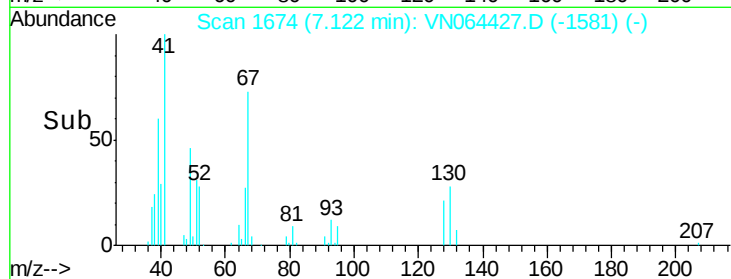
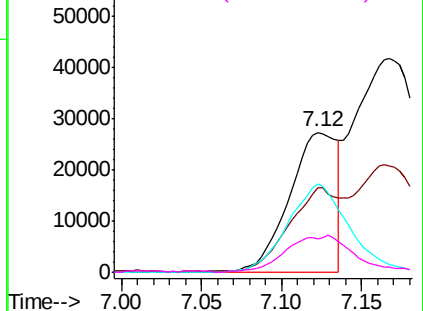
#41
Methacrylonitrile
Concen: 17.459 ug/l
RT: 7.12 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	56931
Ion	Ratio	Lower	Upper
41	100		
39	69.8	50.0	75.0
67	80.8	68.3	102.5
52	37.3	32.7	49.1

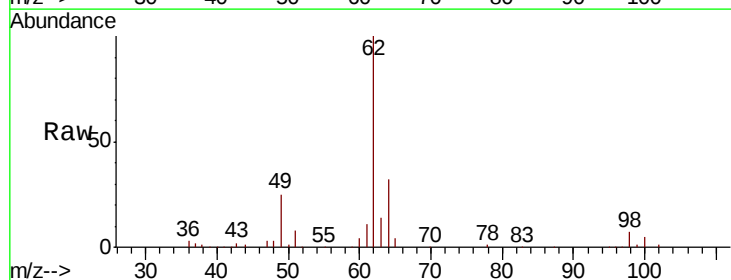


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

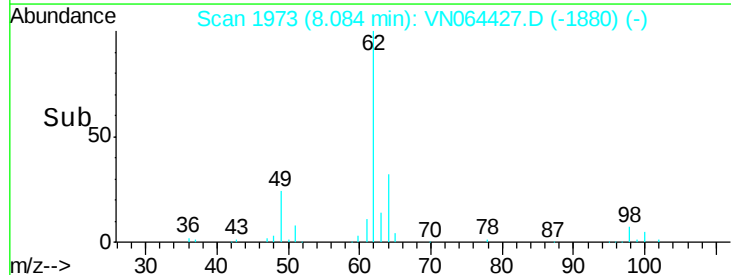
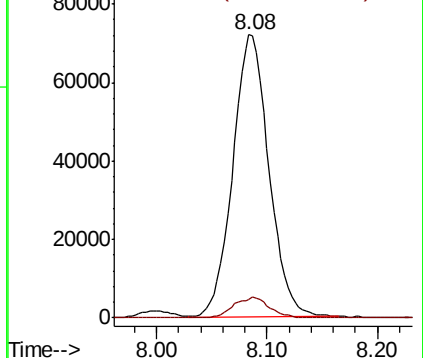


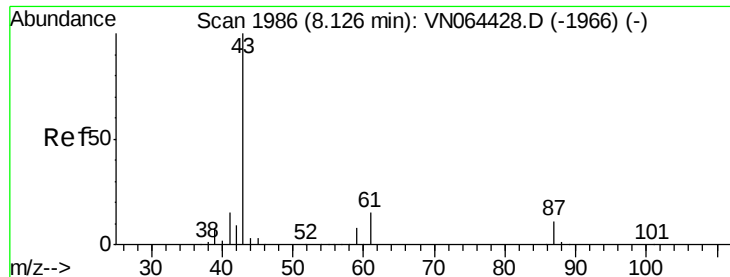
#42
1,2-Dichloroethane
Concen: 20.398 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion:	62	Resp:	163275
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	14.0



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.277 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

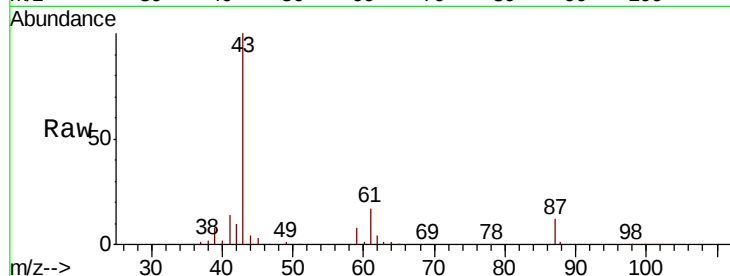
Tot Ion: 43 Resp: 220189

Ion Ratio Lower Upper

43 100

61 17.7 14.0 21.0

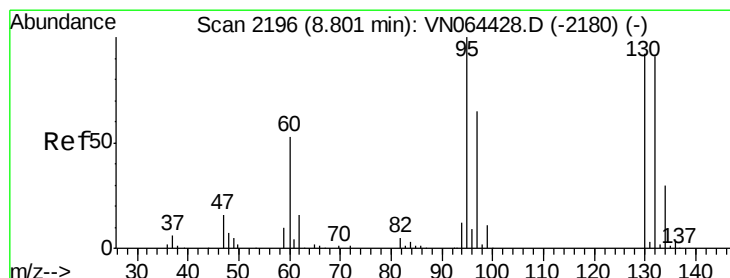
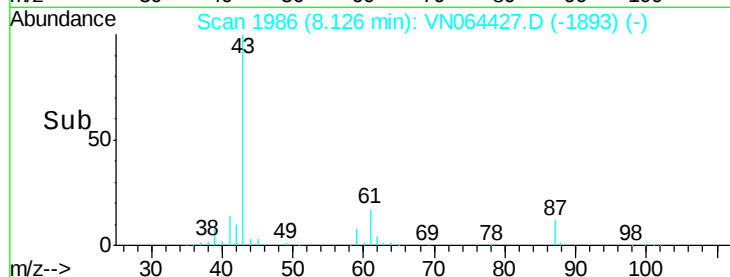
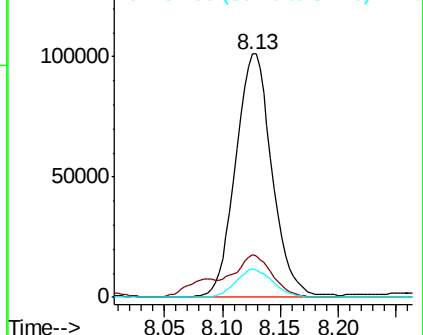
87 11.7 9.1 13.7



Abundance Ion 43.00 (42.70 to 43.70): VN064427.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN064427.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN064427.D (-2103) (-)



#44

Trichloroethene

Concen: 20.587 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064427.D

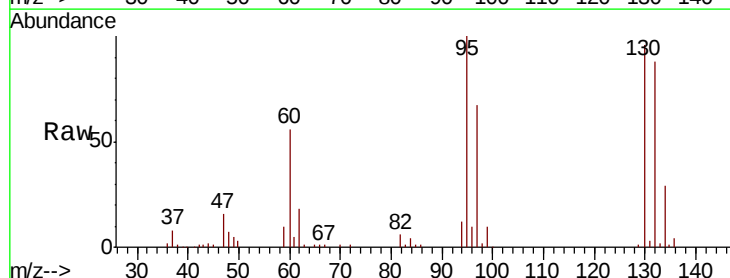
Acq: 4 Nov 2020 10:36

Tgt Ion:130 Resp: 99911

Ion Ratio Lower Upper

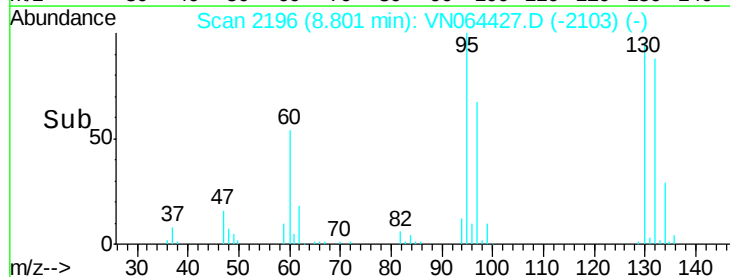
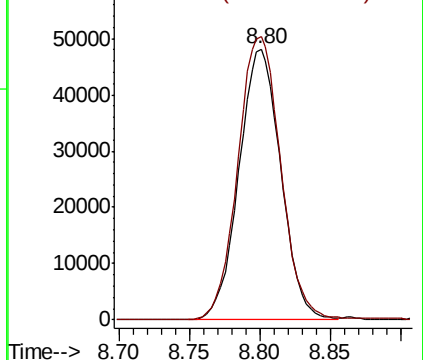
130 100

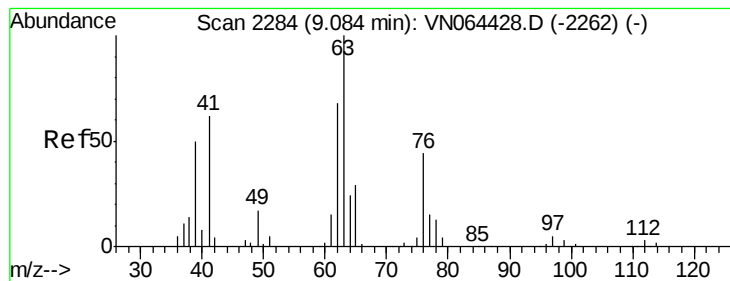
95 104.5 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN064427.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN064427.D (-2103) (-)





#45

1,2-Dichloropropane

Concen: 20.815 ug/l

RT: 9.08 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

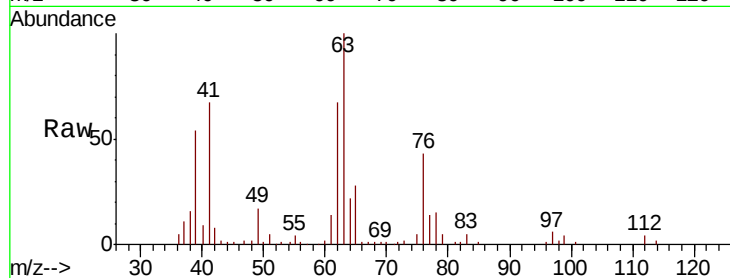
ClientSampleId :

Tot Ion: 63 Resp: 104957

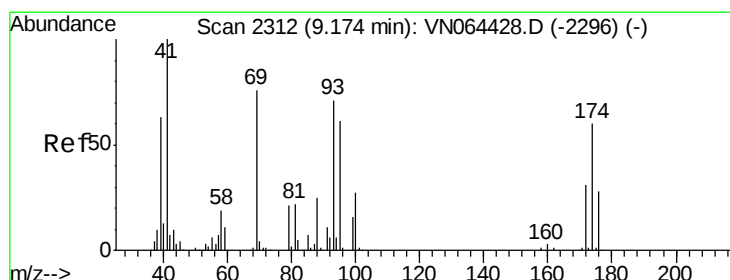
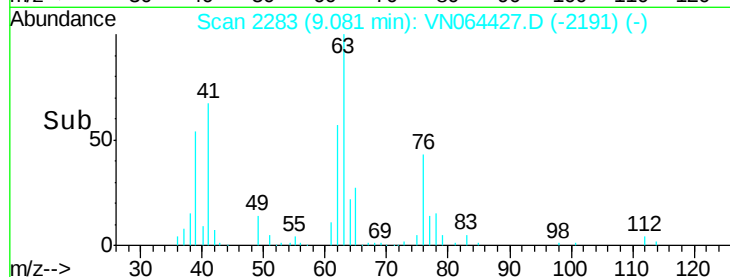
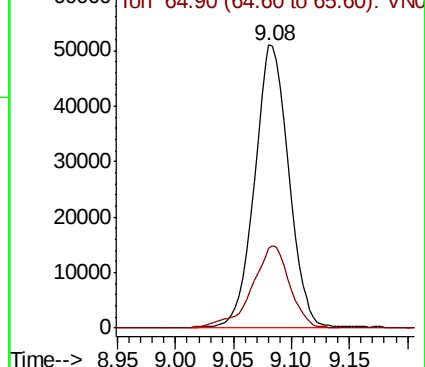
Ion Ratio Lower Upper

63 100

65 28.3 23.6 35.4



Abundance Ion 62.90 (62.60 to 63.60): VN064427.D (-2191) (-)



#46

Dibromomethane

Concen: 20.508 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

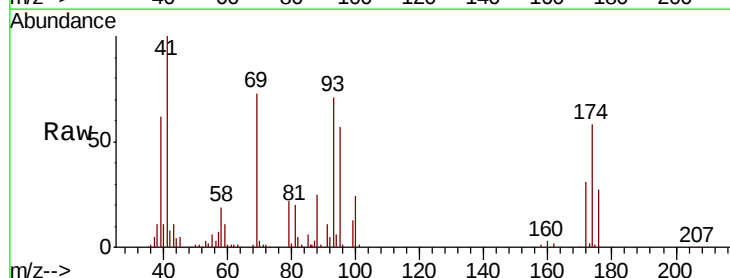
Tgt Ion: 93 Resp: 70987

Ion Ratio Lower Upper

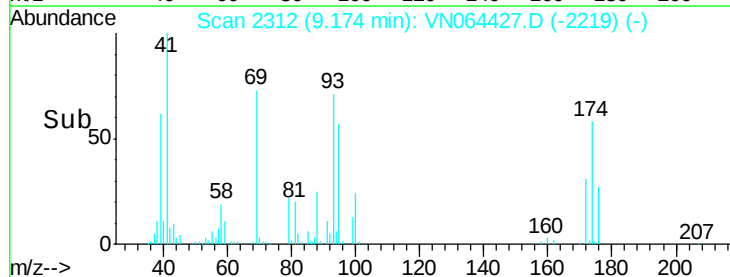
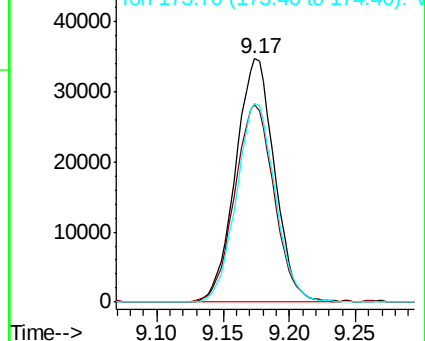
93 100

95 82.2 66.4 99.6

174 81.0 67.2 100.8



Abundance Ion 92.80 (92.50 to 93.50): VN064427.D (-2219) (-)





#47

Bromodichloromethane

Concen: 19.376 ug/l

RT: 9.37 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

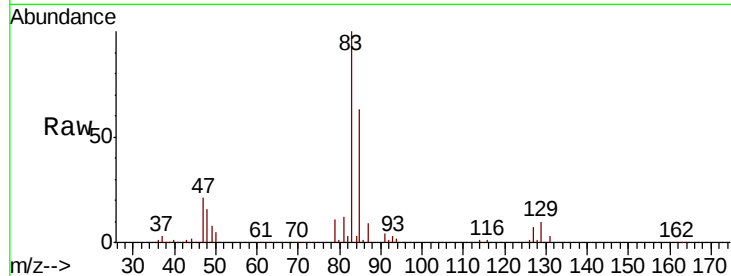
Tot Ion: 83 Resp: 148931

Ion Ratio Lower Upper

83 100

85 62.8 51.2 76.8

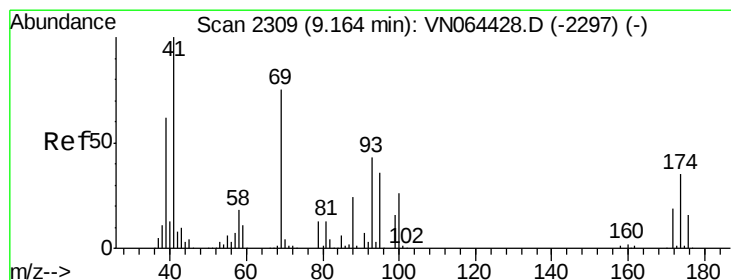
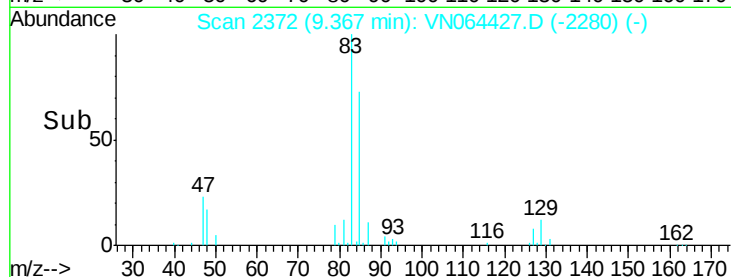
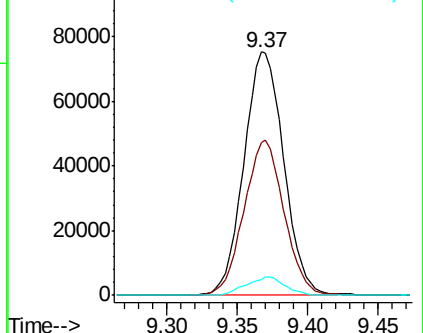
127 6.7 6.9 10.3#



Abundance Ion 82.90 (82.60 to 83.60): VN064427.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN064427.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN064427.D (-2356) (-)



#48

Methyl methacrylate

Concen: 18.811 ug/l

RT: 9.17 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

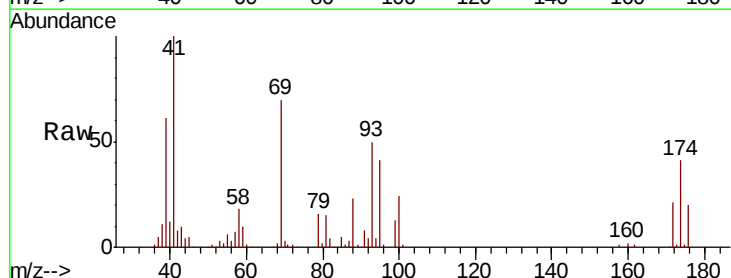
Tgt Ion: 41 Resp: 110986

Ion Ratio Lower Upper

41 100

69 73.2 60.4 90.6

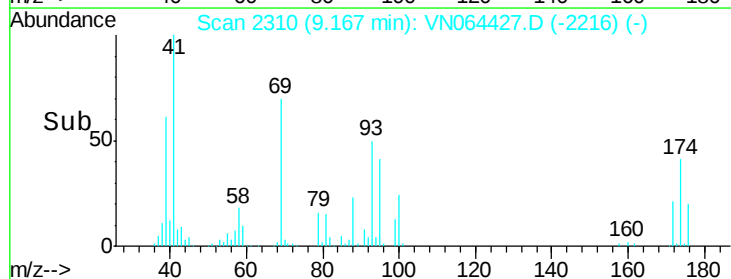
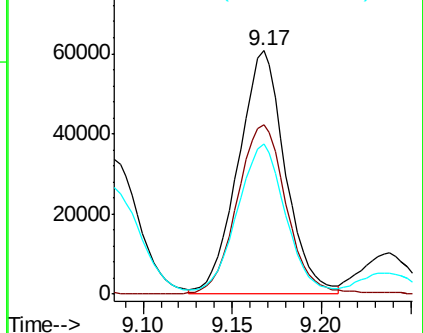
39 63.5 51.2 76.8

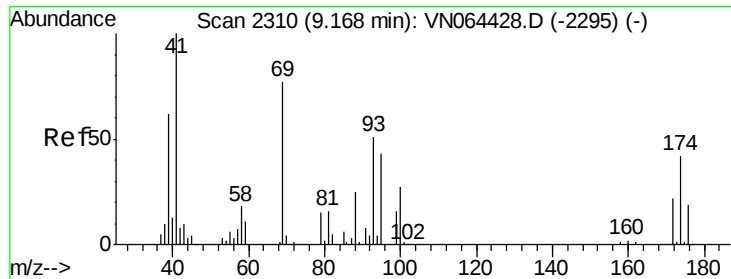


Abundance Ion 41.00 (40.70 to 41.70): VN064427.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN064427.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN064427.D (-2216) (-)

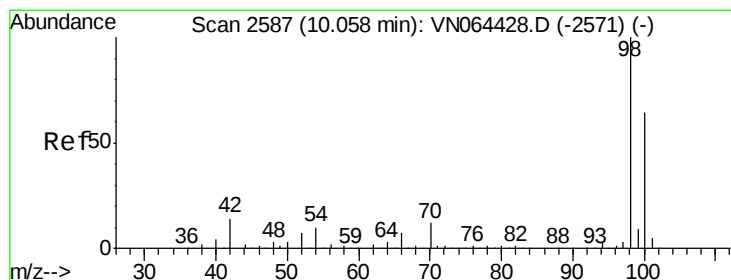
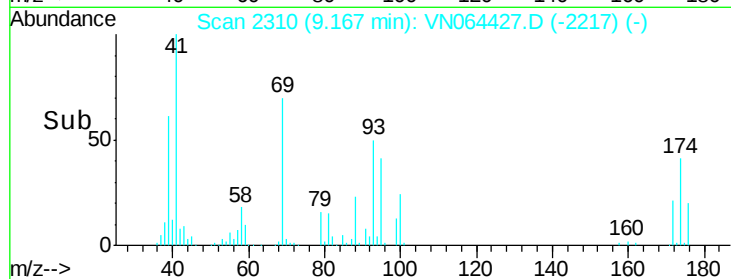
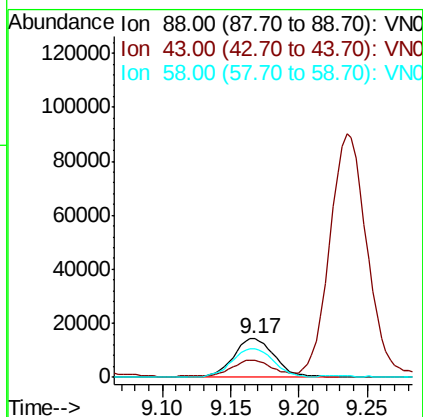
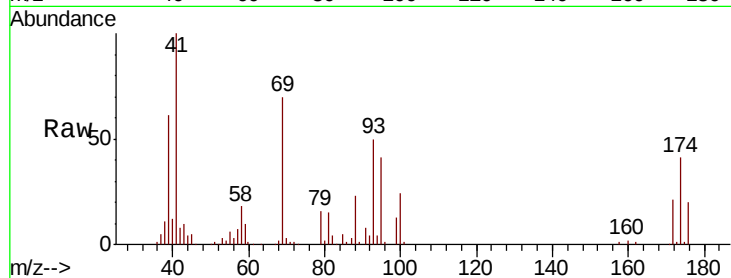




#49
1,4-Dioxane
Concen: 355.757 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

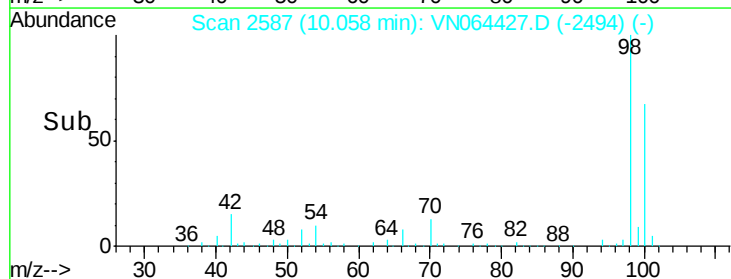
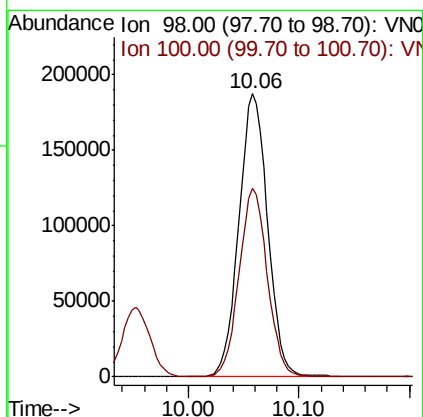
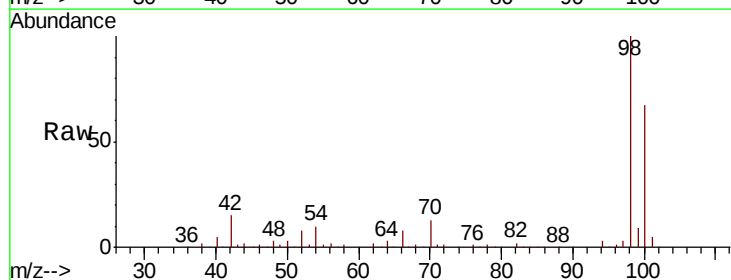
Instrument :
MSVOA_N
ClientSampled :

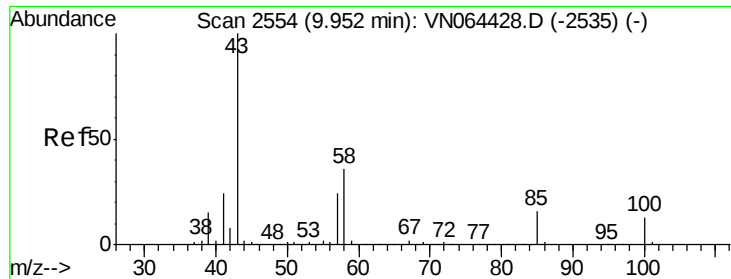
Tot Ion: 88 Resp: 30243
Ion Ratio Lower Upper
88 100
43 39.6 31.0 46.6
58 74.7 58.4 87.6



#50
Toluene-d8
Concen: 20.790 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 98 Resp: 338881
Ion Ratio Lower Upper
98 100
100 65.0 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 97.804 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

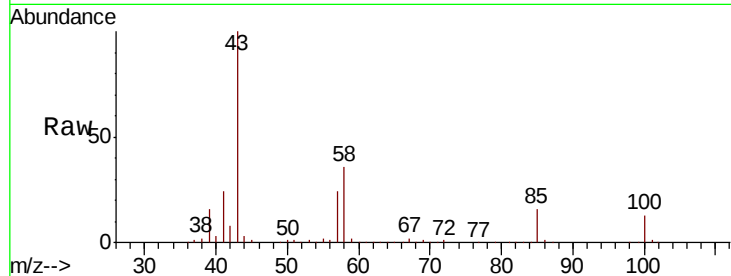
ClientSampleId :

Tot Ion: 43 Resp: 653001

Ion Ratio Lower Upper

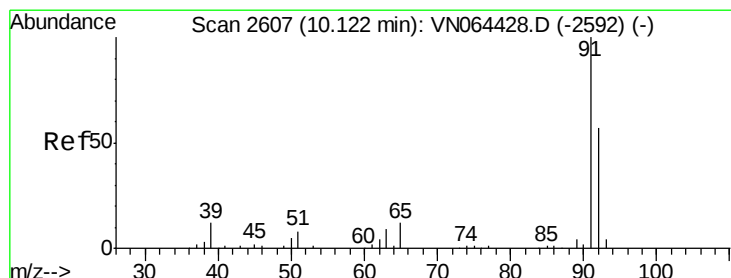
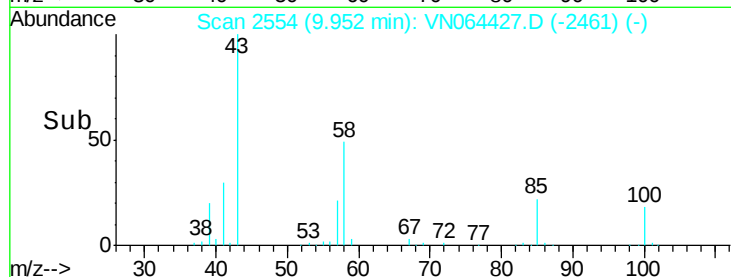
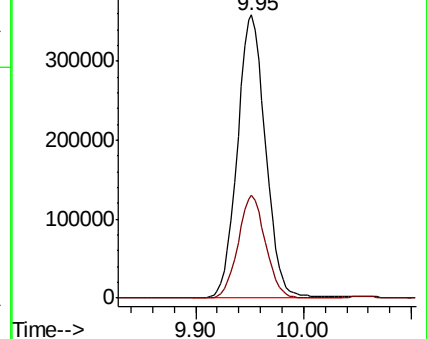
43 100

58 35.3 28.4 42.6



Abundance Ion 43.00 (42.70 to 43.70): VN064427.D (-2461) (-)

Ion 58.00 (57.70 to 58.70): VN064427.D (-2461) (-)



#52

Toluene

Concen: 20.657 ug/l

RT: 10.12 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN064427.D

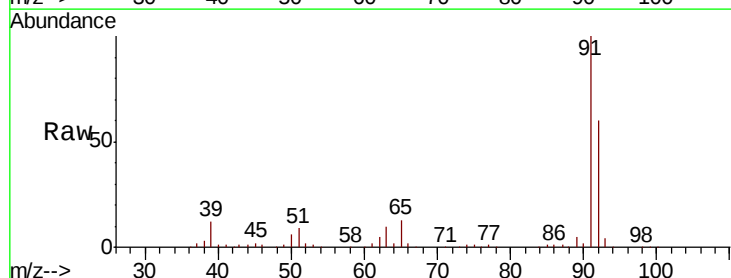
Acq: 4 Nov 2020 10:36

Tgt Ion: 92 Resp: 244639

Ion Ratio Lower Upper

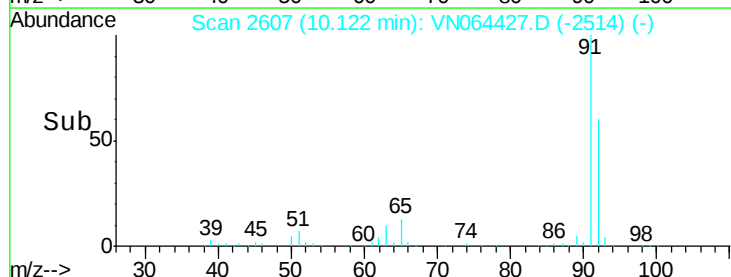
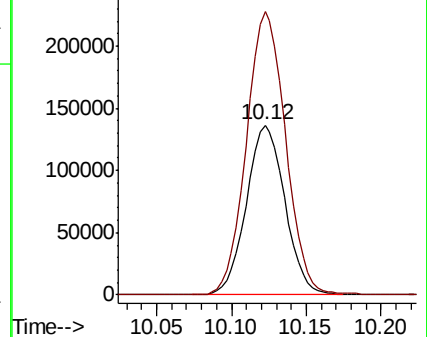
92 100

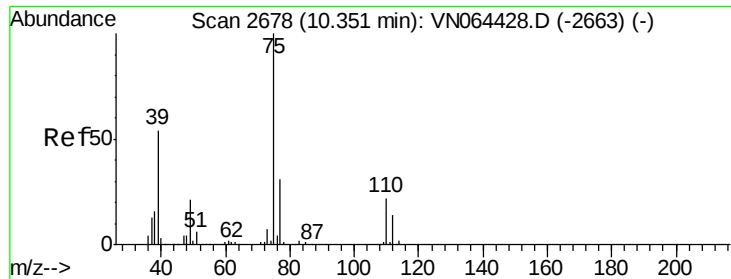
91 169.9 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VN064427.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN064427.D (-2514) (-)





#53

t-1,3-Dichloropropene

Concen: 19.560 ug/l

RT: 10.35 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

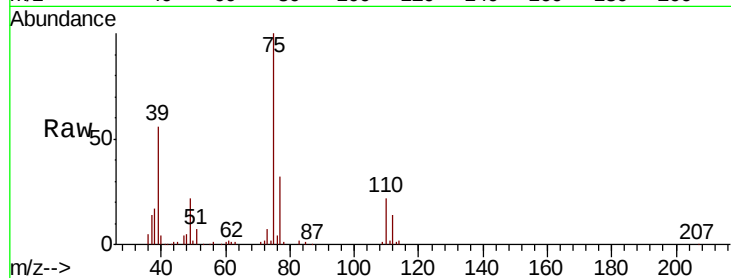
ClientSampleId :

Tot Ion: 75 Resp: 159864

Ion Ratio Lower Upper

75 100

77 31.3 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.35

80000

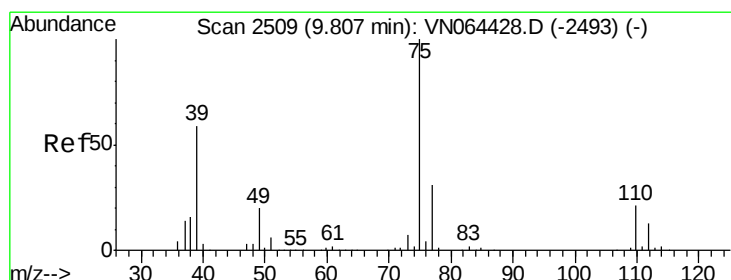
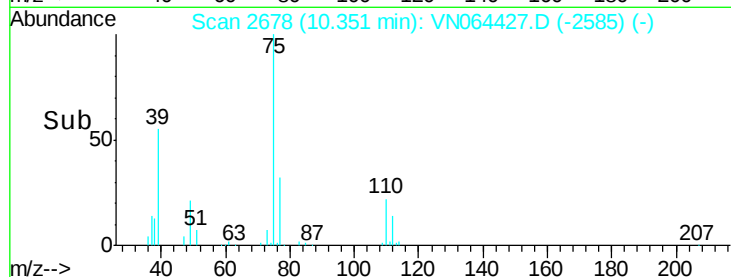
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.092 ug/l

RT: 9.81 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

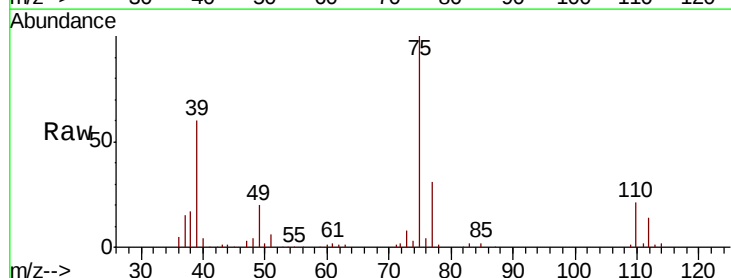
Tgt Ion: 75 Resp: 168916

Ion Ratio Lower Upper

75 100

77 31.0 24.9 37.3

39 59.3 47.1 70.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.81

120000

100000

80000

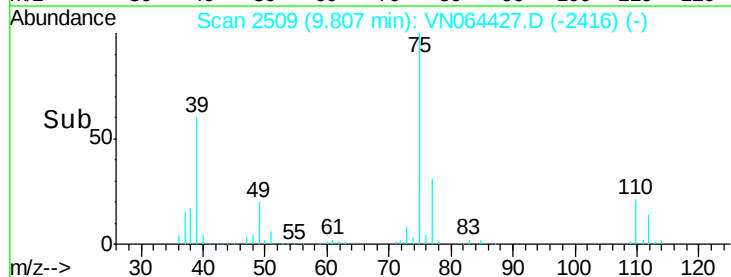
60000

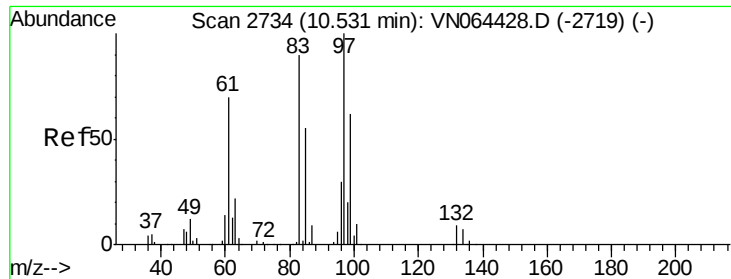
40000

20000

0

Time-->

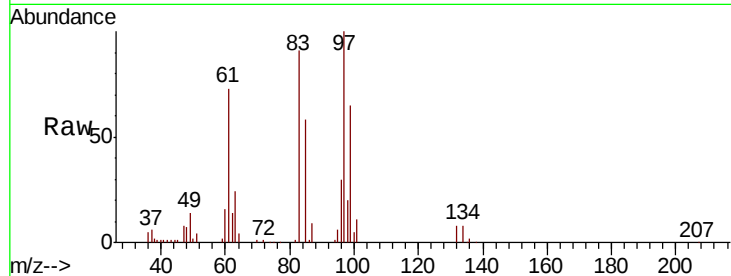




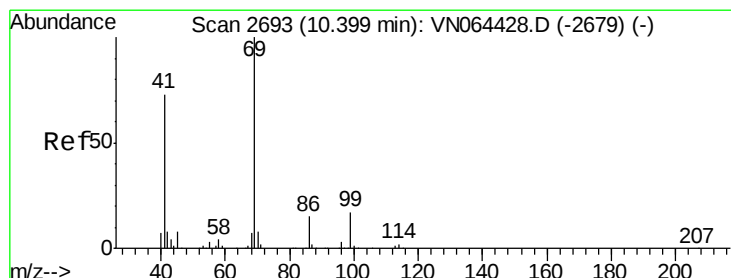
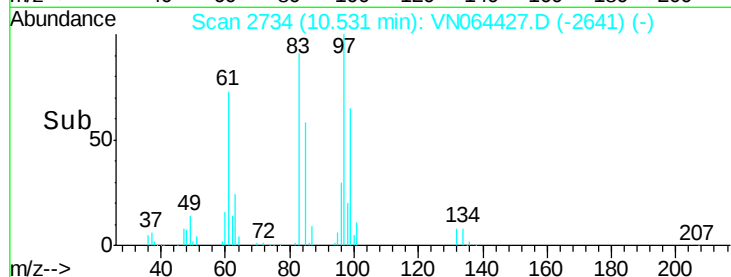
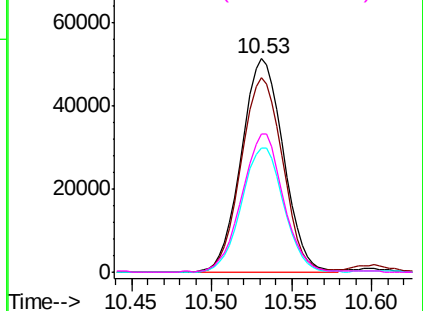
#55
 1,1,2-Trichloroethane
 Concen: 19.852 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 97 Resp: 92334
 Ion Ratio Lower Upper
 97 100
 83 91.0 71.7 107.5
 85 58.3 44.3 66.5
 99 64.6 49.4 74.2

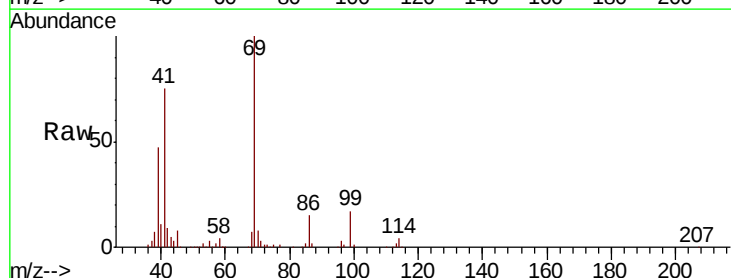


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

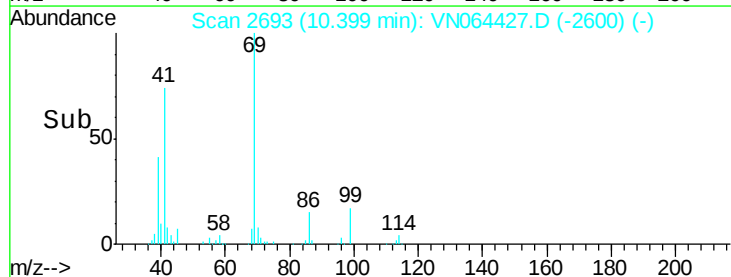
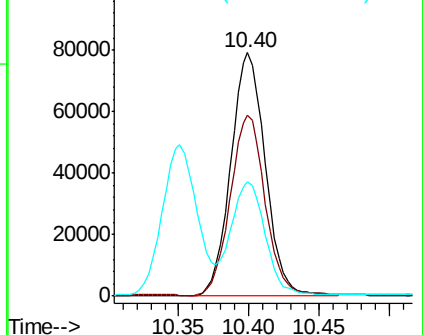


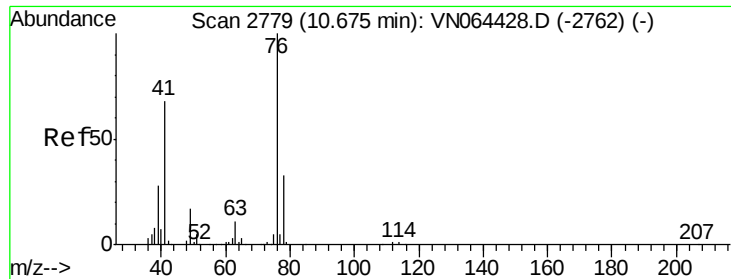
#56
 Ethyl methacrylate
 Concen: 19.414 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 69 Resp: 136110
 Ion Ratio Lower Upper
 69 100
 41 74.0 59.3 88.9
 39 46.3 35.4 53.0



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

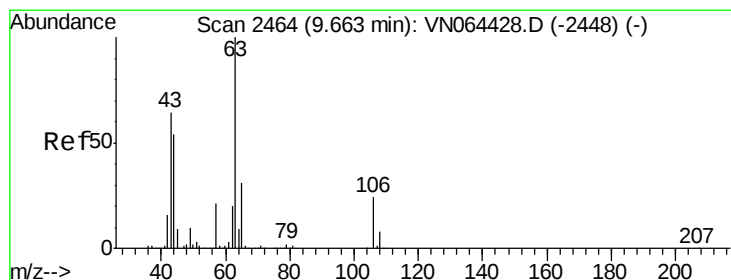
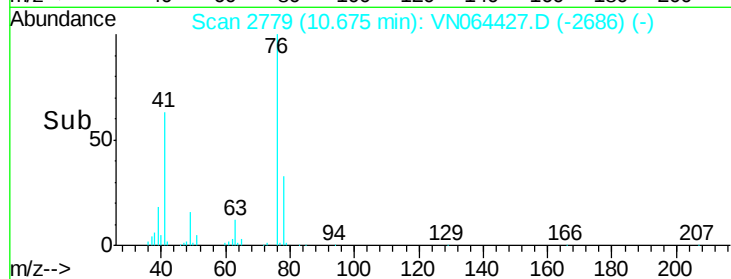
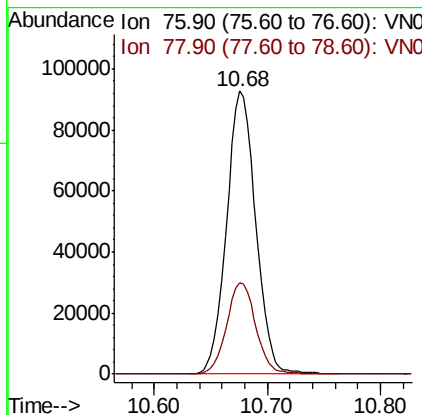
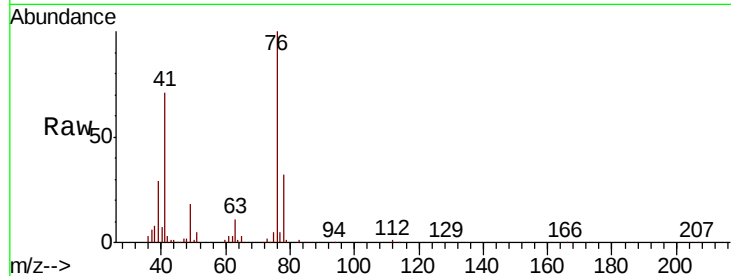




#57
 1,3-Dichloropropane
 Concen: 20.996 ug/l
 RT: 10.68 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

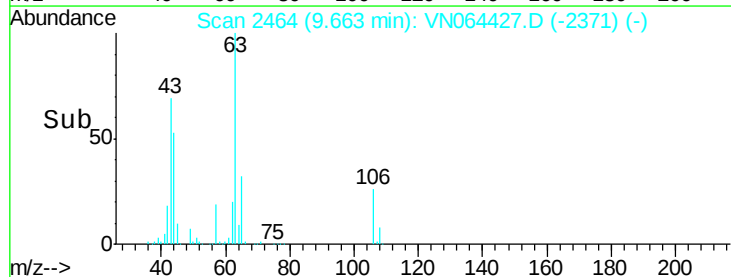
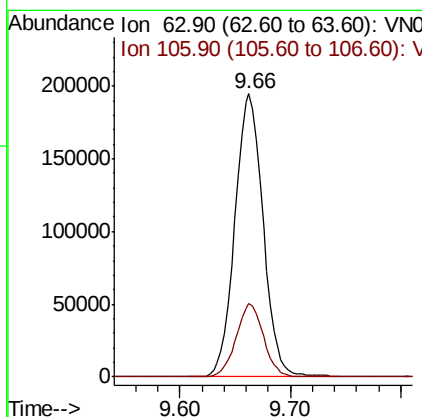
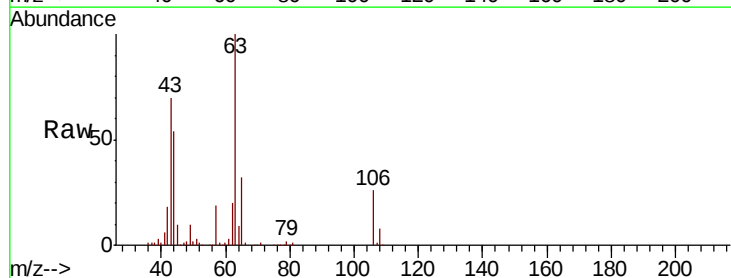
Instrument :
 MSVOA_N
 ClientSampled :

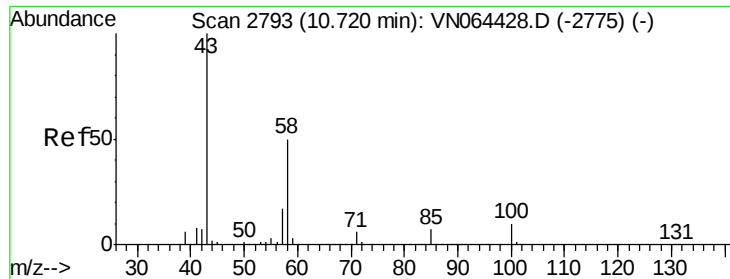
Tot Ion: 76 Resp: 166536
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.653 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 63 Resp: 345267
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.5 29.3

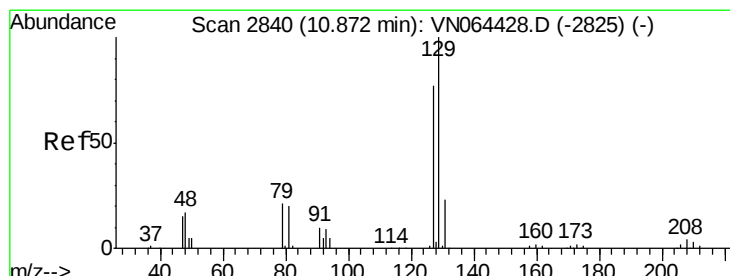
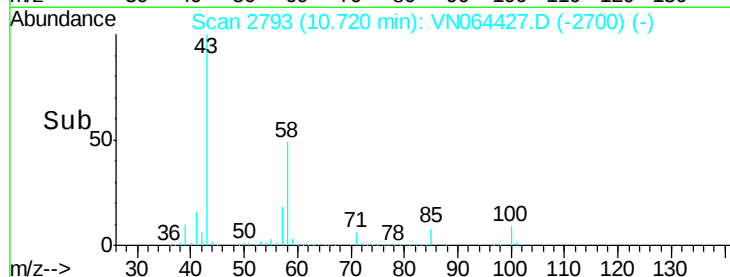
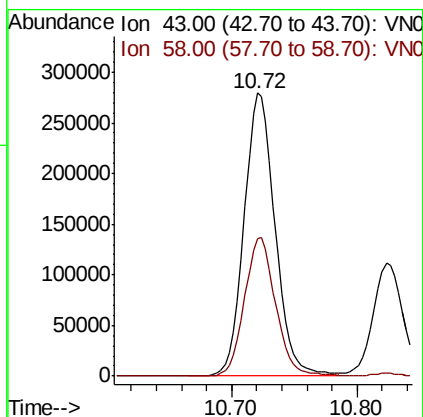
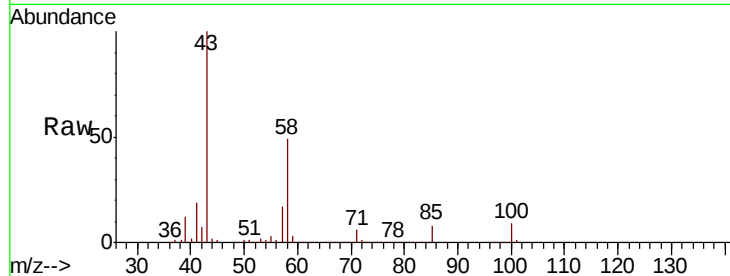




#59
2-Hexanone
Concen: 97.603 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

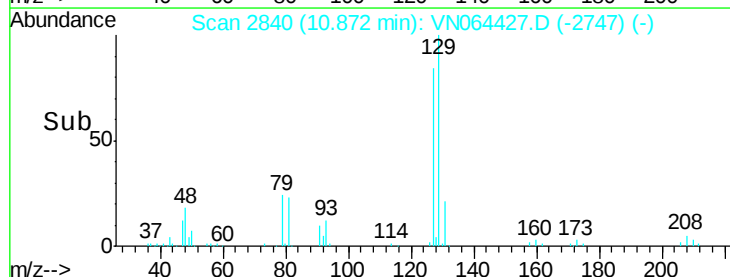
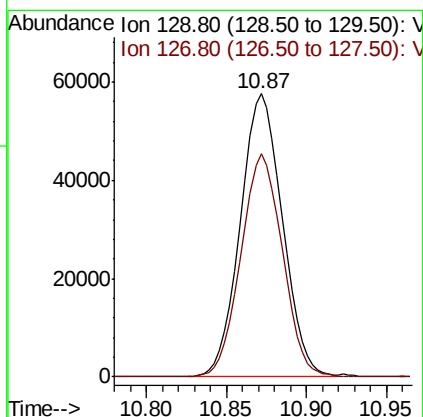
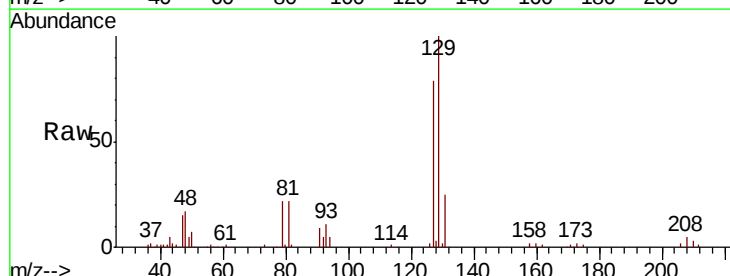
Instrument :
MSVOA_N
ClientSampleId :

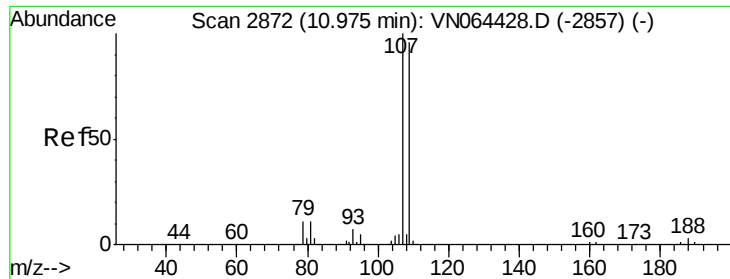
Tot Ion: 43 Resp: 478944
Ion Ratio Lower Upper
43 100
58 49.3 24.7 74.1



#60
Dibromochloromethane
Concen: 19.132 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 129 Resp: 103608
Ion Ratio Lower Upper
129 100
127 77.5 38.9 116.7

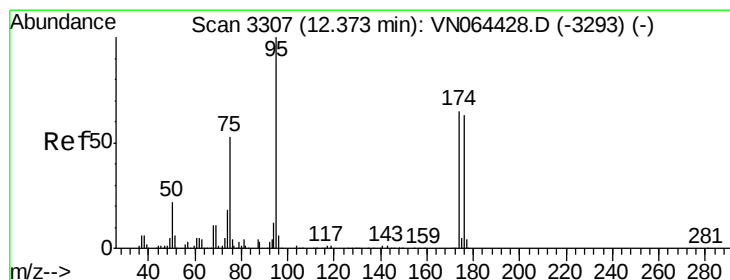
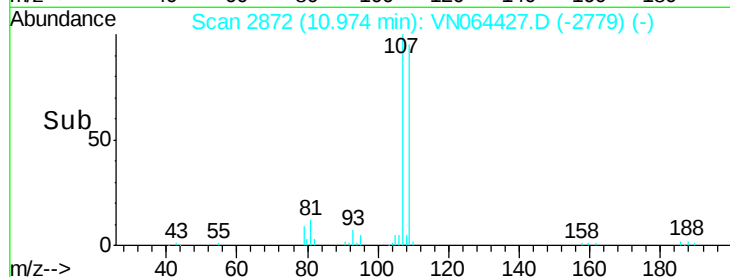
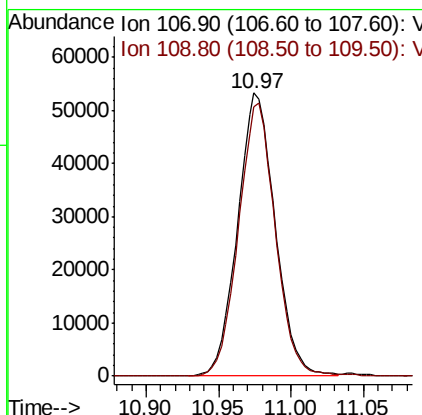
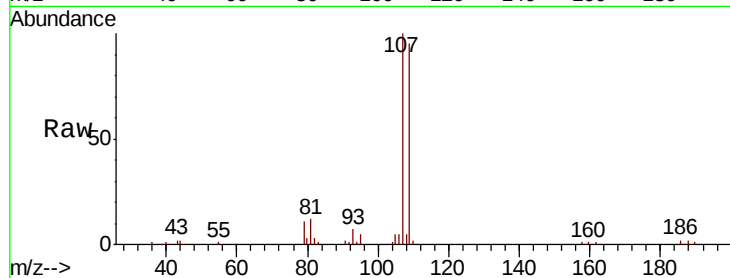




#61
 1,2-Dibromoethane
 Concen: 20.319 ug/l
 RT: 10.97 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

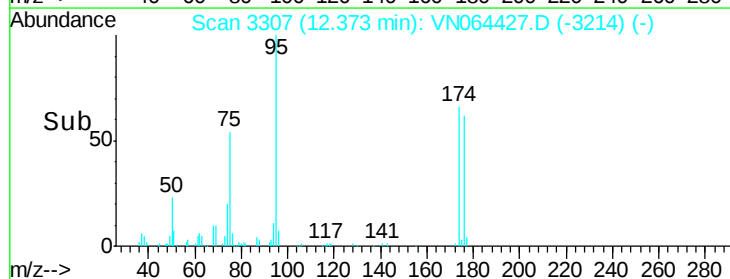
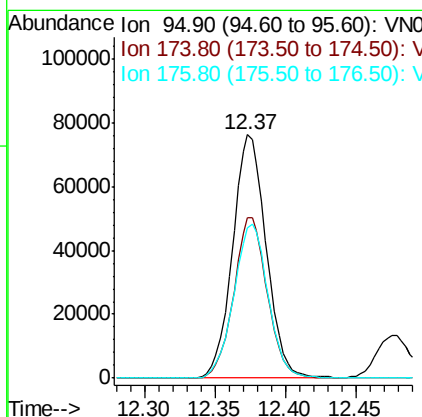
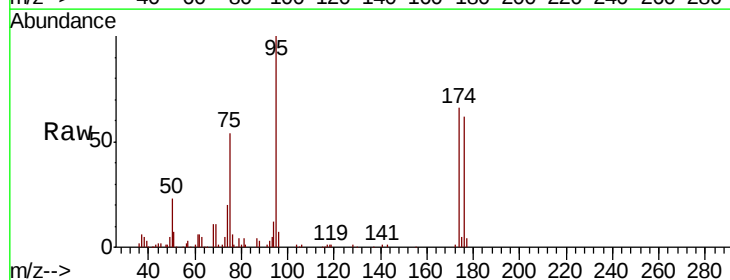
Instrument :
 MSVOA_N
 ClientSampled :

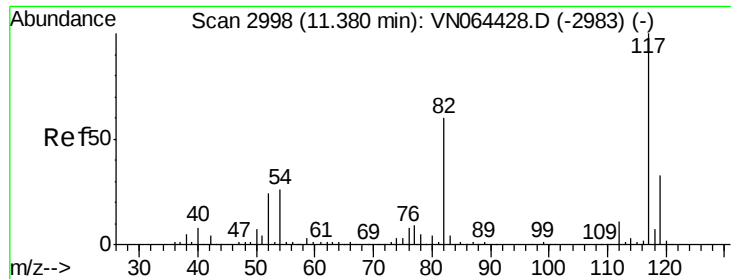
Tot Ion: 107 Resp: 95699
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.9 113.9



#62
 4-Bromofluorobenzene
 Concen: 20.153 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 95 Resp: 127270
 Ion Ratio Lower Upper
 95 100
 174 65.5 0.0 132.6
 176 64.7 0.0 129.2

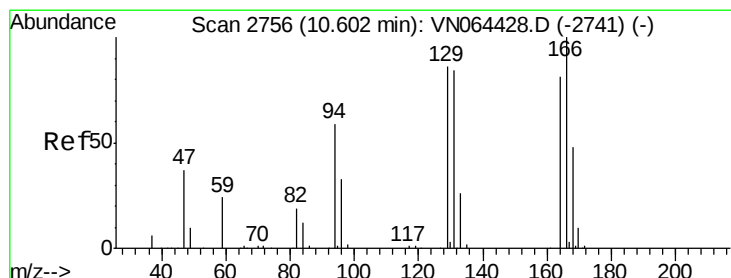
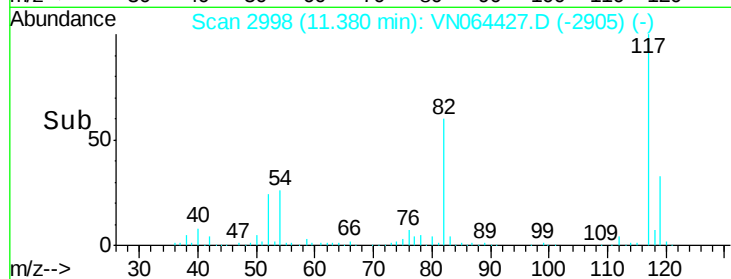
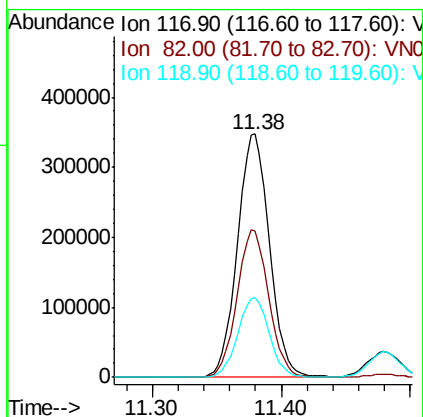
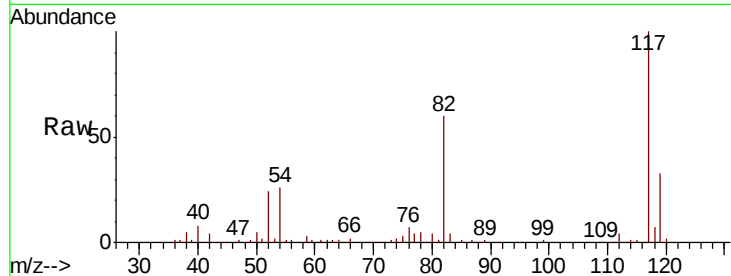




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

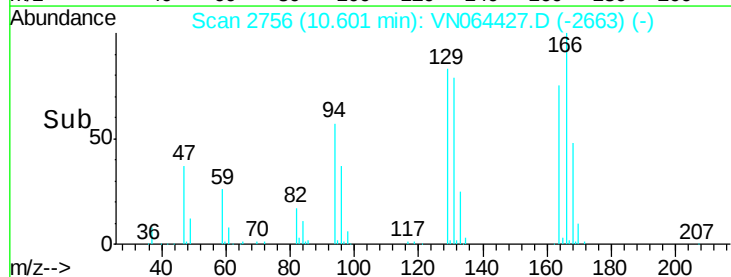
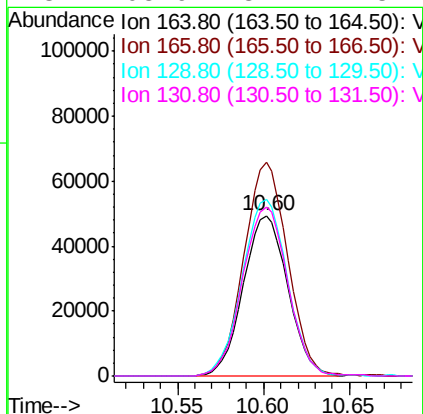
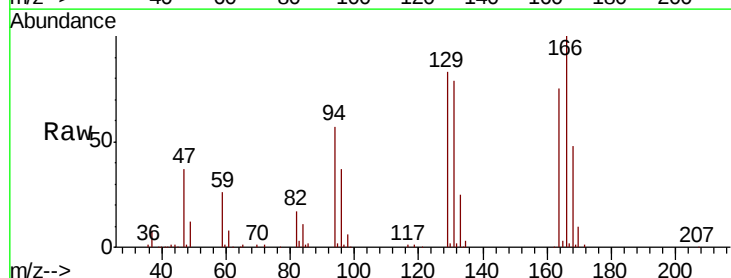
Instrument :
MSVOA_N
ClientSampled :

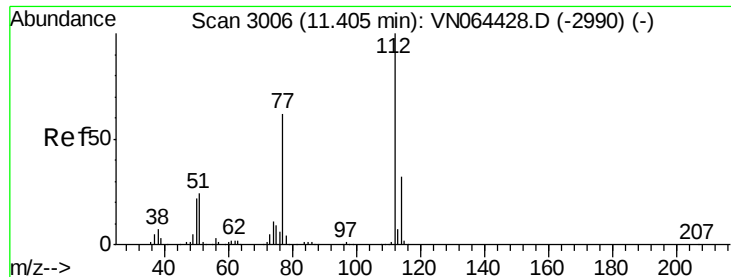
Tot Ion:117 Resp: 600761
Ion Ratio Lower Upper
117 100
82 60.2 48.1 72.1
119 32.9 26.2 39.4



#64
Tetrachloroethene
Concen: 17.946 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion:164 Resp: 88483
Ion Ratio Lower Upper
164 100
166 133.4 98.2 147.2
129 110.3 84.6 127.0
131 105.9 82.2 123.2

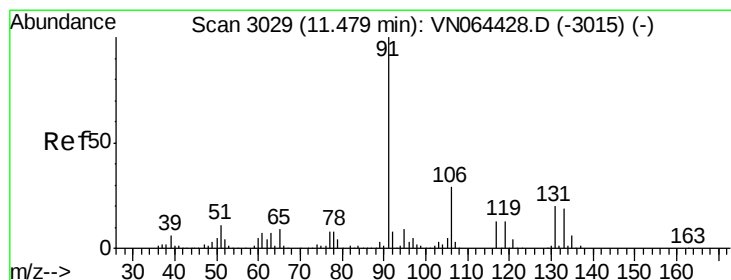
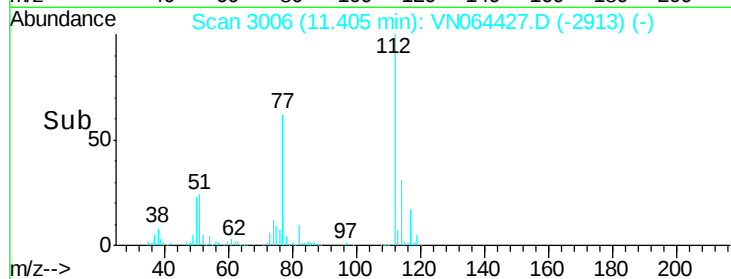
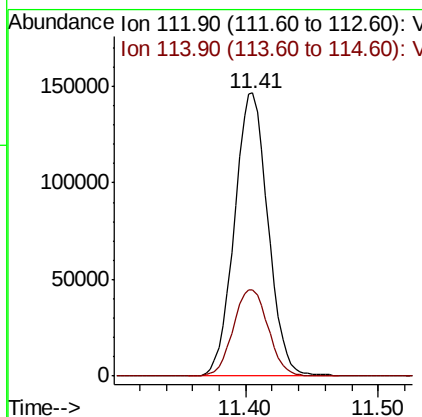
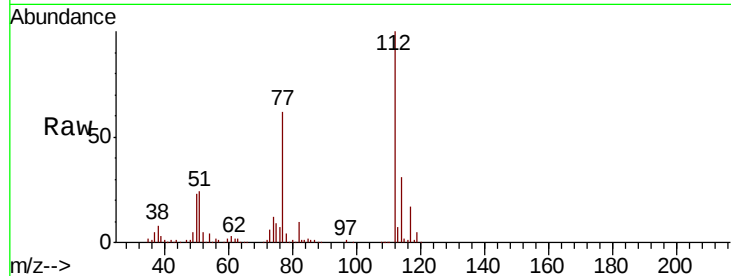




#65
Chlorobenzene
Concen: 20.750 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

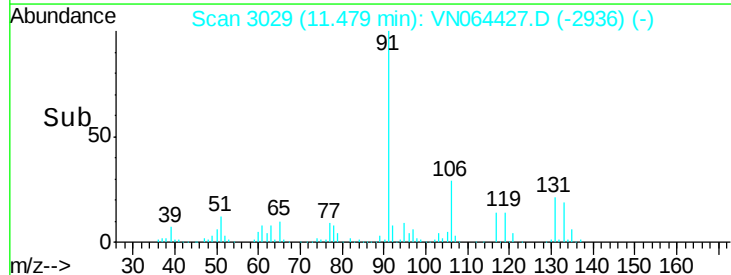
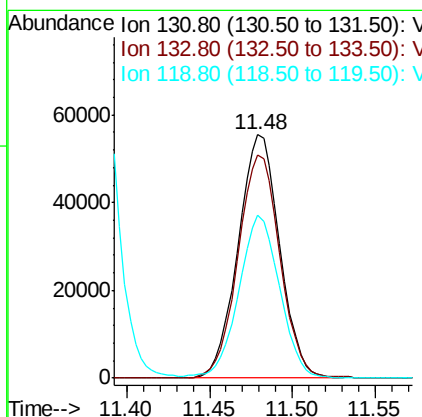
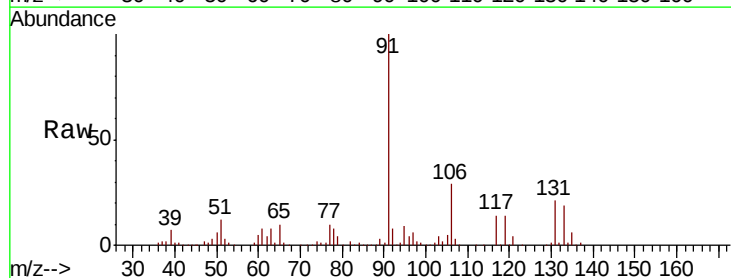
Instrument :
MSVOA_N
ClientSampleId :

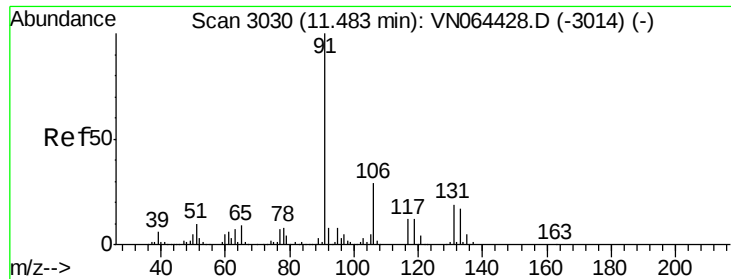
Tot Ion:112 Resp: 257838
Ion Ratio Lower Upper
112 100
114 30.7 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 19.423 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion:131 Resp: 96560
Ion Ratio Lower Upper
131 100
133 92.6 46.9 140.7
119 65.4 32.1 96.5

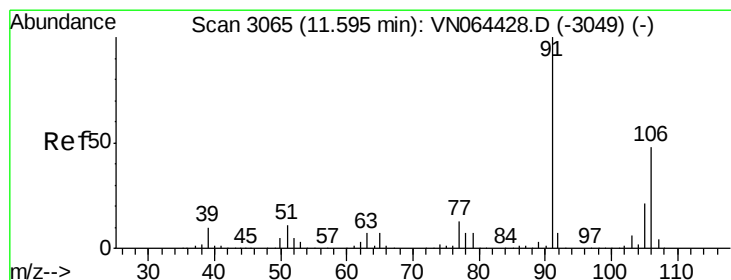
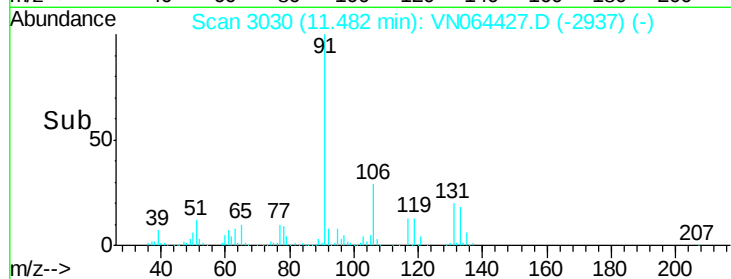
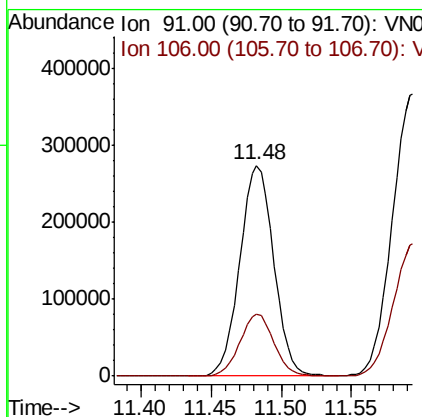
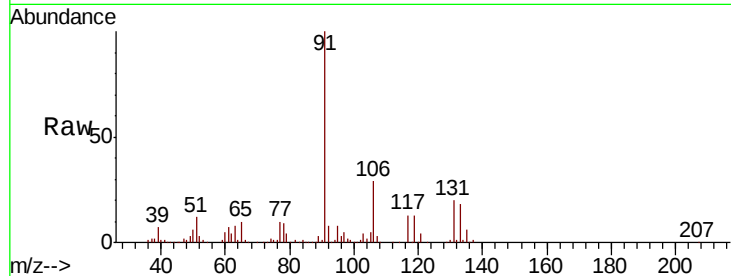




#67
Ethyl Benzene
Concen: 20.010 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

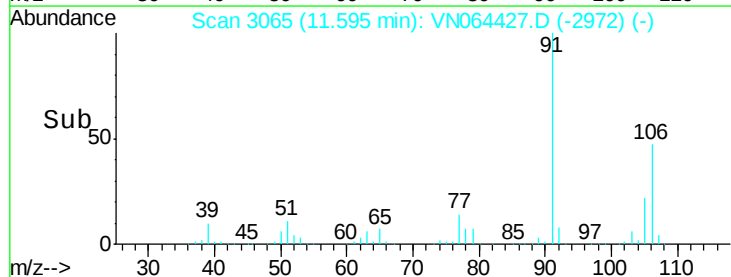
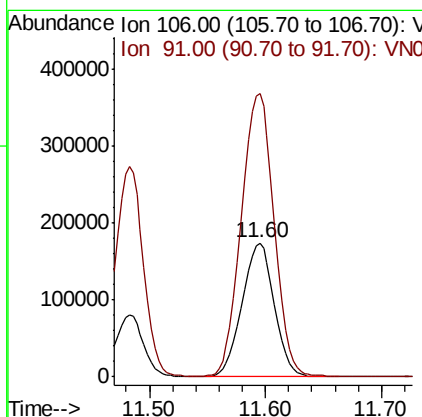
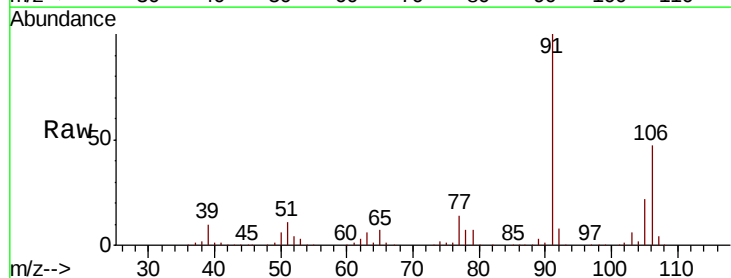
Instrument :
MSVOA_N
ClientSampled :

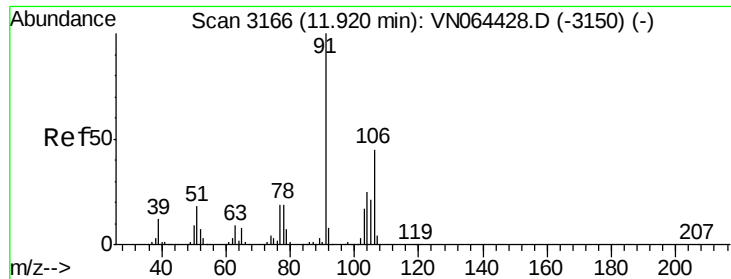
Tot Ion: 91 Resp: 461909
Ion Ratio Lower Upper
91 100
106 29.5 23.6 35.4



#68
m/p-Xylenes
Concen: 39.080 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 106 Resp: 333798
Ion Ratio Lower Upper
106 100
91 217.2 169.4 254.2

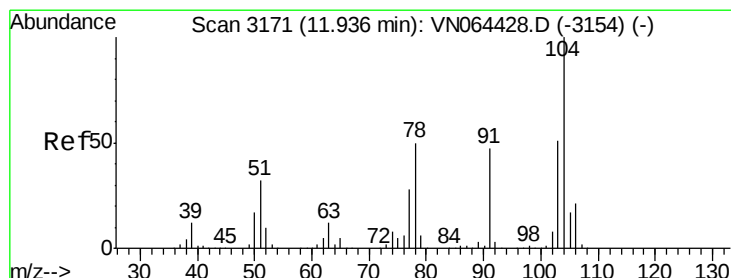
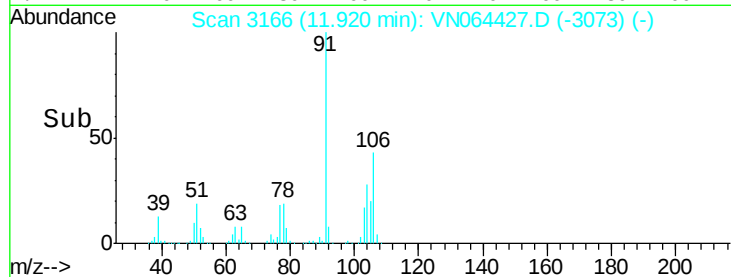
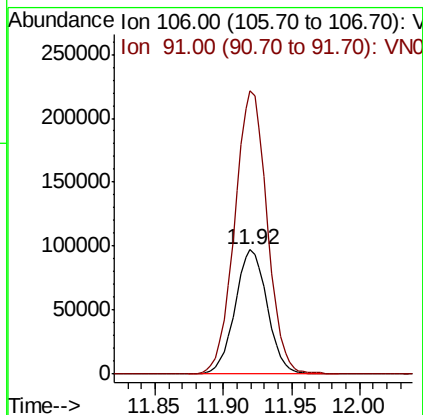
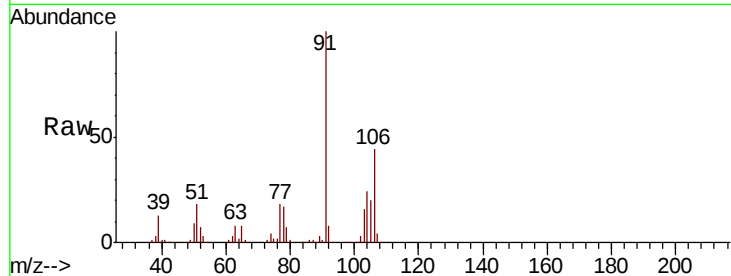




#69
o-Xylene
Concen: 19.407 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

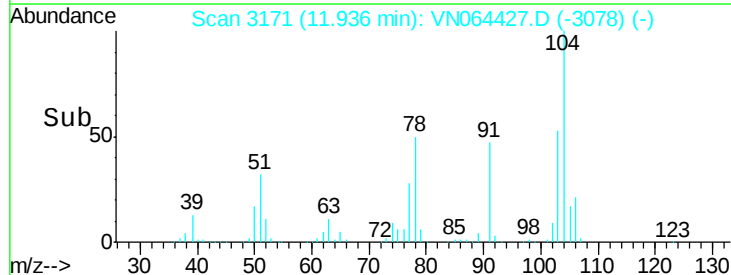
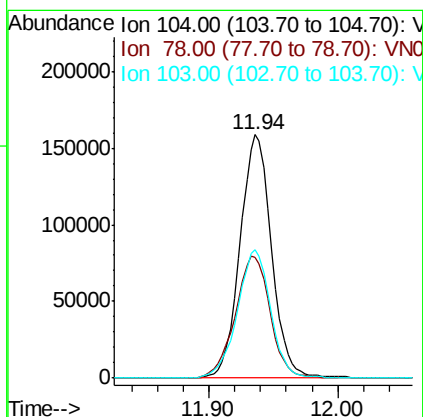
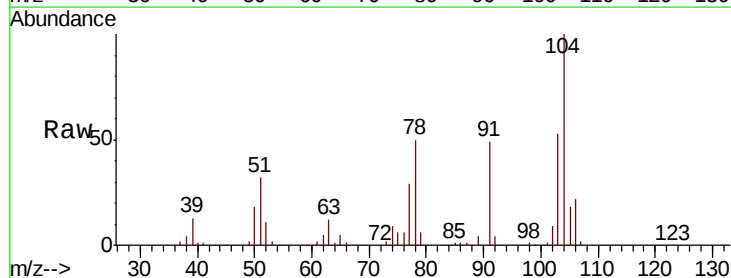
Instrument :
MSVOA_N
ClientSampled :

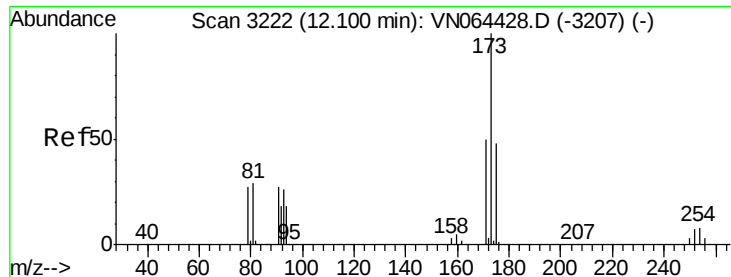
Tot Ion:106 Resp: 159867
Ion Ratio Lower Upper
106 100
91 228.8 111.7 334.9



#70
Styrene
Concen: 19.996 ug/l
RT: 11.94 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion:104 Resp: 269980
Ion Ratio Lower Upper
104 100
78 55.6 44.0 66.0
103 55.8 43.8 65.6





#71

Bromoform

Concen: 16.660 ug/l

RT: 12.10 min Scan# 3221

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

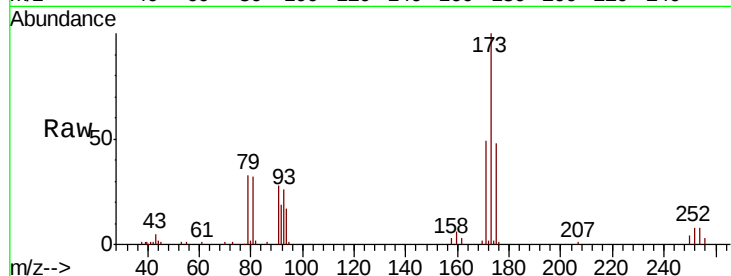
Tot Ion:173 Resp: 63681

Ion Ratio Lower Upper

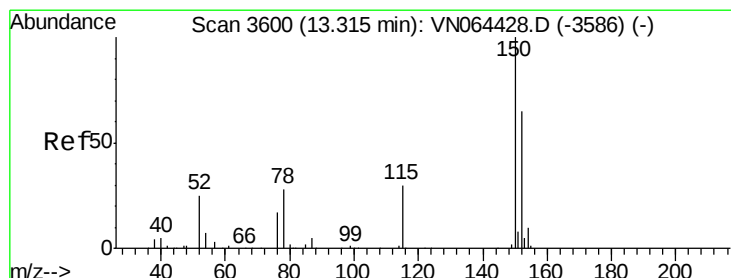
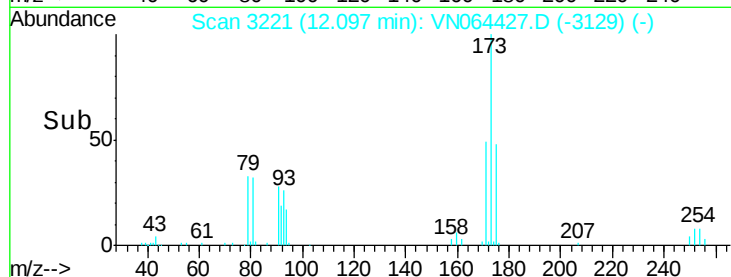
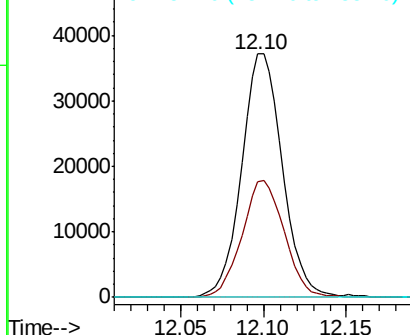
173 100

175 49.7 23.7 71.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

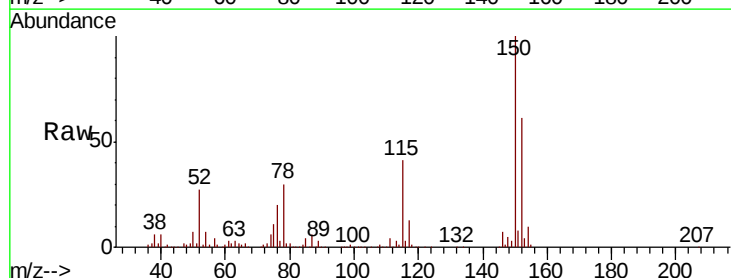
Tgt Ion:152 Resp: 264227

Ion Ratio Lower Upper

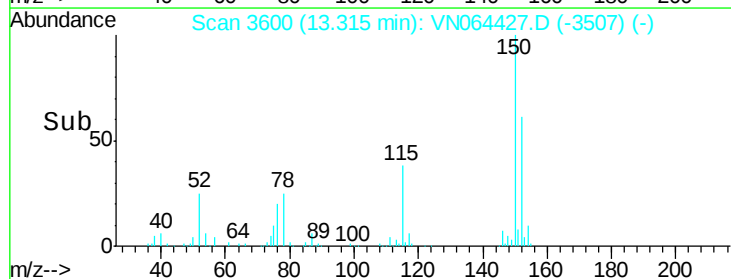
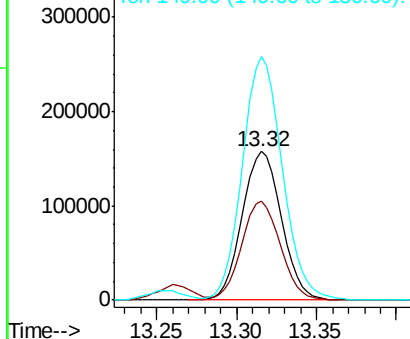
152 100

115 65.9 32.0 96.0

150 166.0 0.0 353.8



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

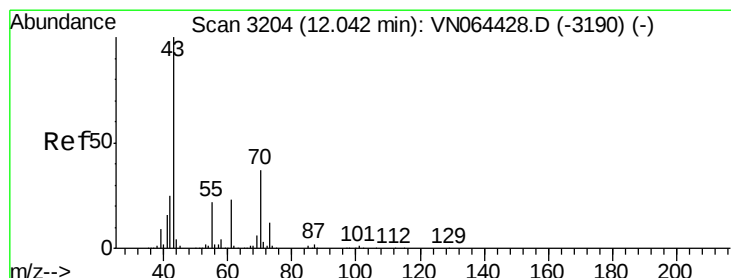
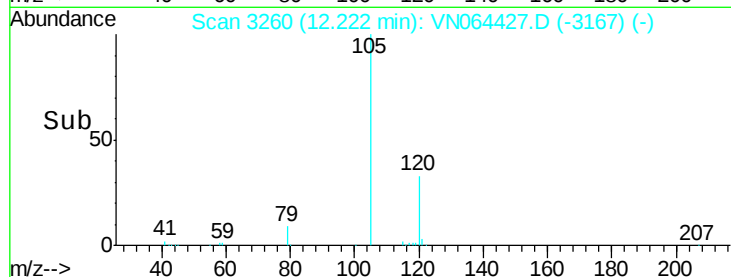
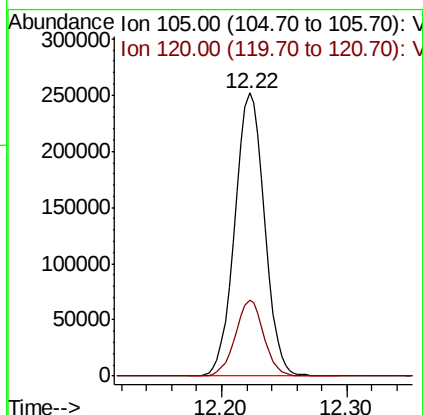
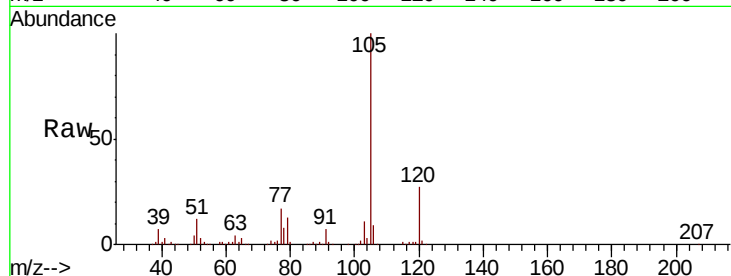




#73
Isopropylbenzene
Concen: 20.457 ug/l
RT: 12.22 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

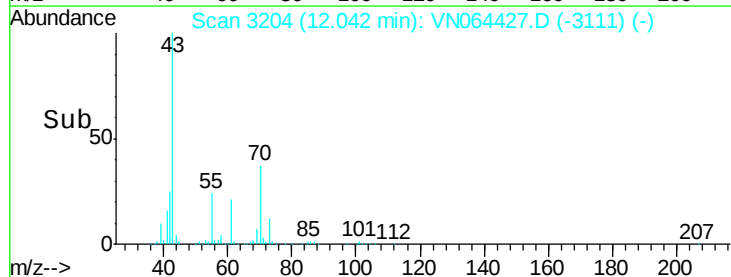
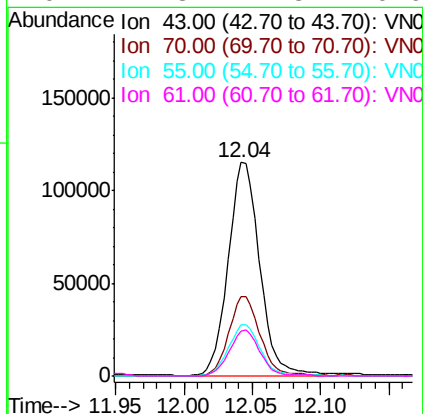
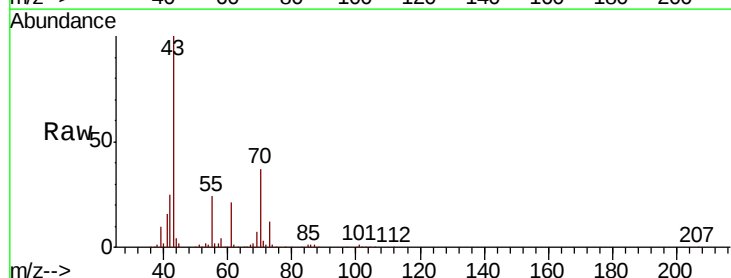
Instrument :
MSVOA_N
ClientSampled :

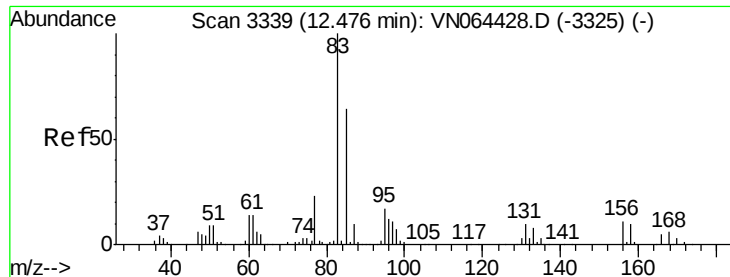
Tot Ion:105 Resp: 413679
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3



#74
N-ethyl acetate
Concen: 20.780 ug/l
RT: 12.04 min Scan# 3204
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 43 Resp: 184483
Ion Ratio Lower Upper
43 100
70 37.1 29.6 44.4
55 24.7 18.4 27.6
61 21.3 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.585 ug/l

RT: 12.48 min Scan# 3339

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

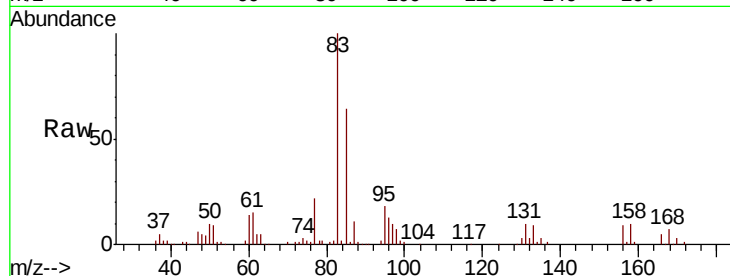
Tot Ion: 83 Resp: 127453

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

85 62.6 32.1 96.5



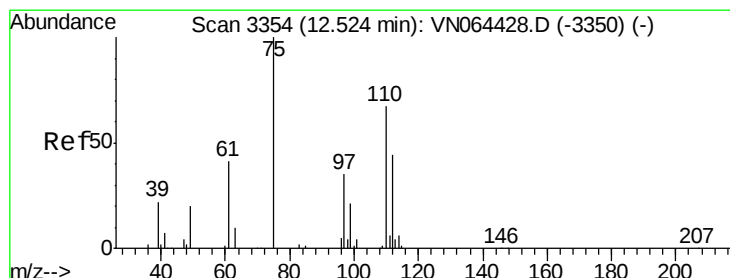
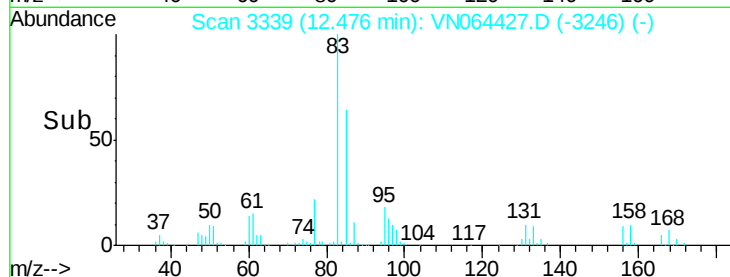
Abundance Ion 82.90 (82.60 to 83.60): VN064427.D (-3325) (-)

Ion 130.80 (130.50 to 131.50): VN064427.D (-3325) (-)

Ion 84.90 (84.60 to 85.60): VN064427.D (-3325) (-)

12.48

Time-->



#76

1,2,3-Trichloropropane

Concen: 28.402 ug/l

RT: 12.52 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN064427.D

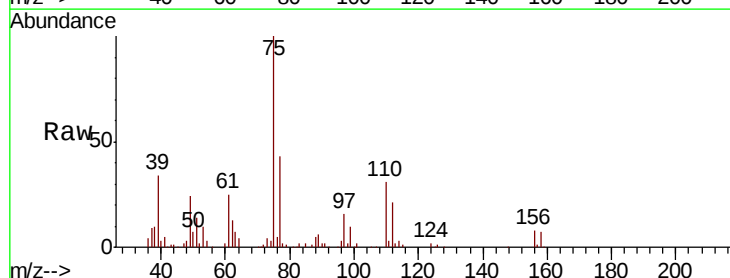
Acq: 4 Nov 2020 10:36

Tgt Ion: 75 Resp: 179888

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

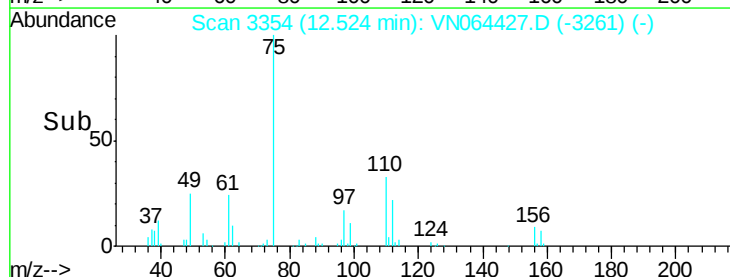


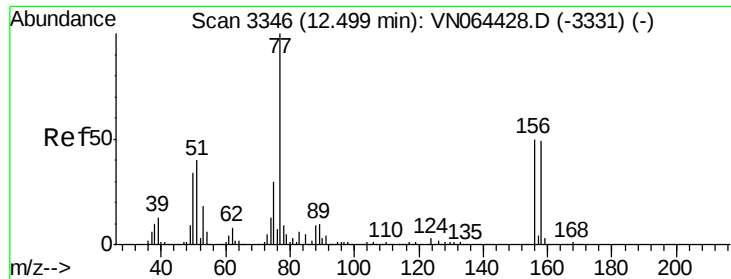
Abundance Ion 74.90 (74.60 to 75.60): VN064427.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN064427.D (-3350) (-)

12.52

Time-->





#77

Bromobenzene

Concen: 20.136 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

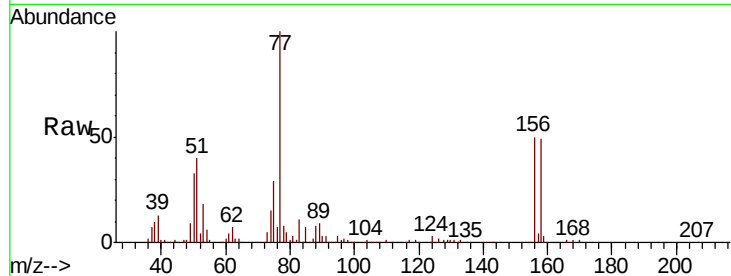
Tot Ion:156 Resp: 98833

Ion Ratio Lower Upper

156 100

77 237.5 119.0 357.0

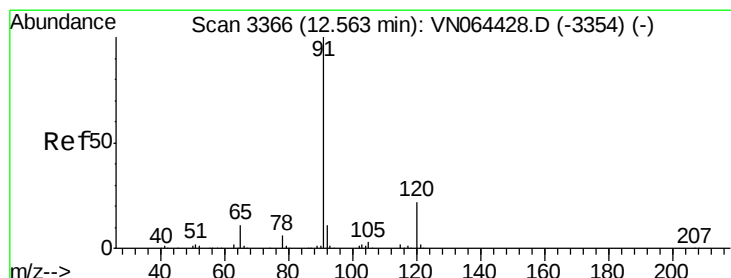
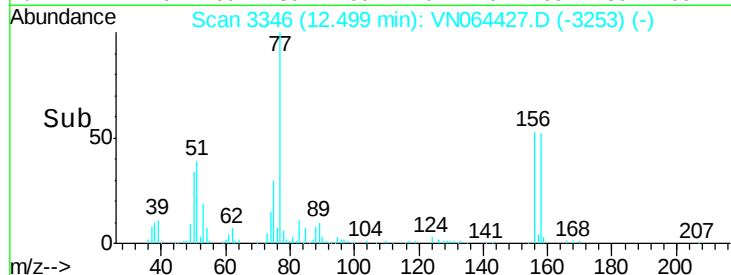
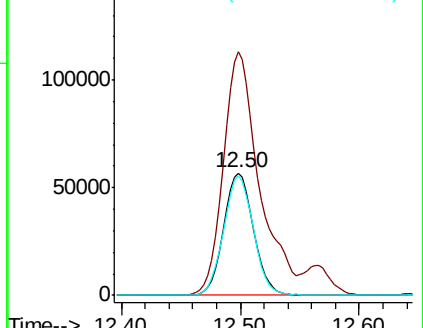
158 97.3 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.581 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064427.D

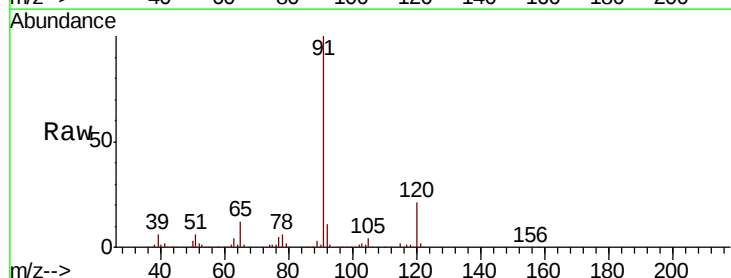
Acq: 4 Nov 2020 10:36

Tgt Ion: 91 Resp: 471072

Ion Ratio Lower Upper

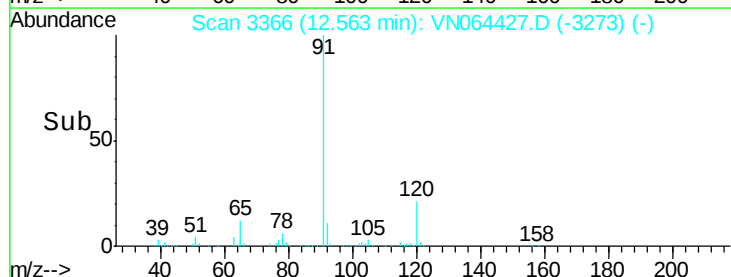
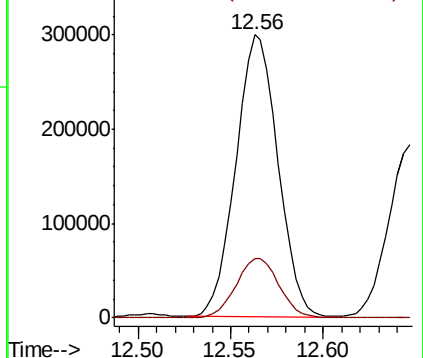
91 100

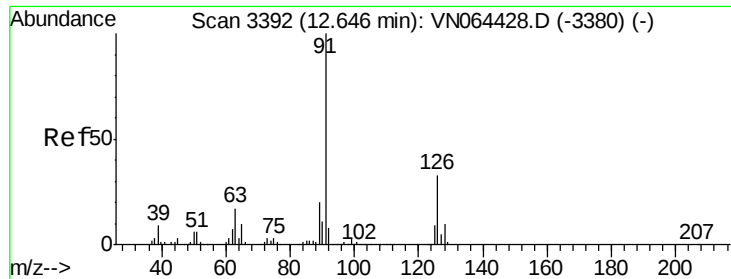
120 21.7 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

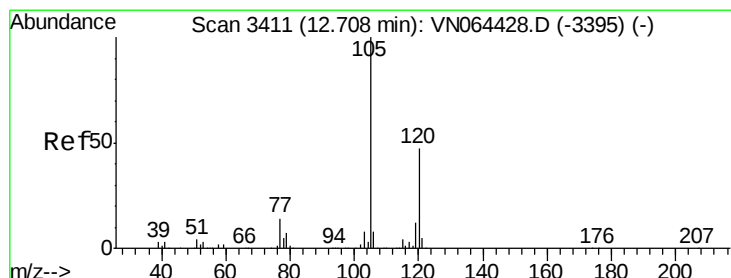
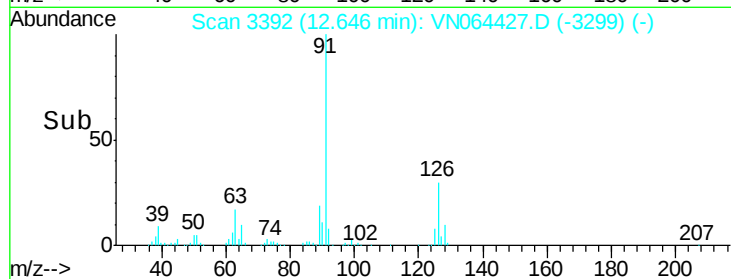
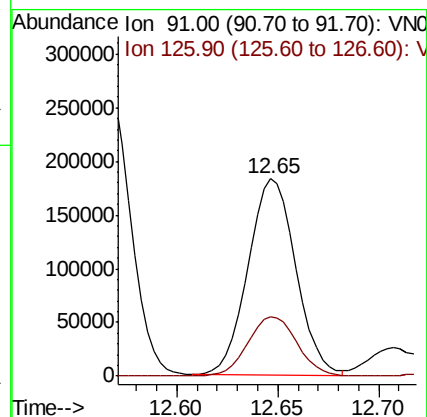
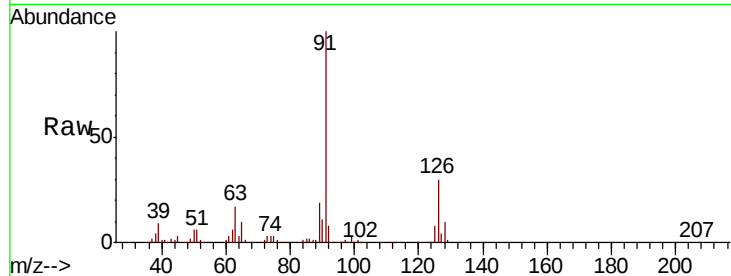




#79
 2-Chlorotoluene
 Concen: 20.784 ug/l
 RT: 12.65 min Scan# 3392
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

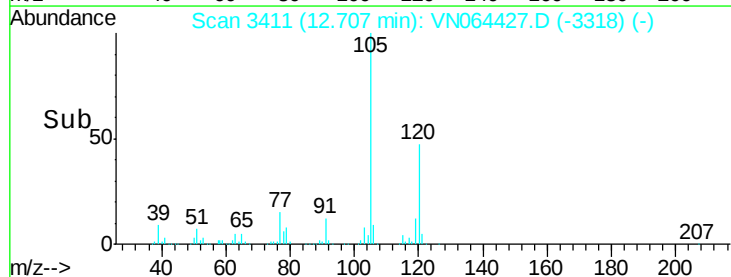
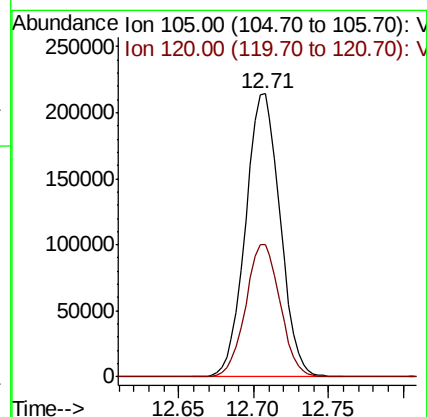
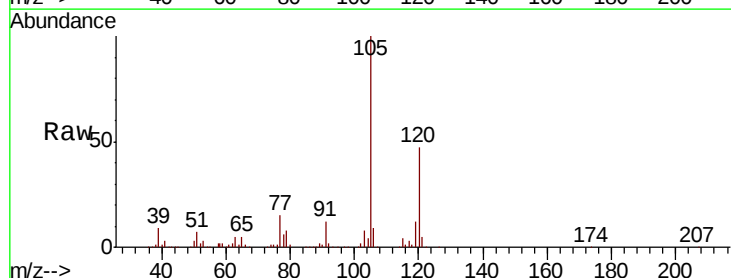
Instrument :
 MSVOA_N
 ClientSampled :

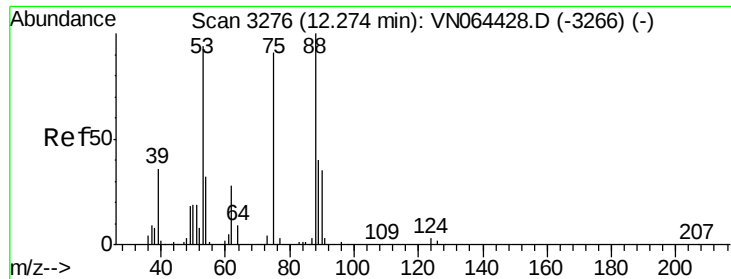
Tot Ion: 91 Resp: 302965
 Ion Ratio Lower Upper
 91 100
 126 31.5 16.4 49.1



#80
 1,3,5-Trimethylbenzene
 Concen: 20.188 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 105 Resp: 343810
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 18.922 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

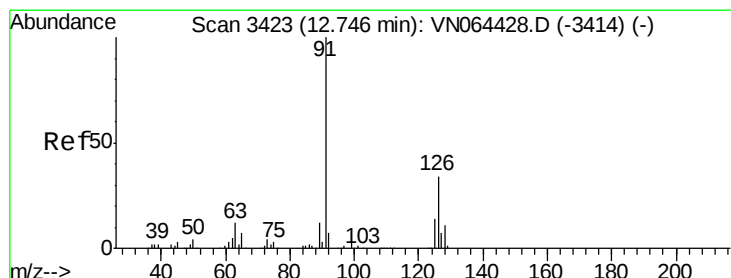
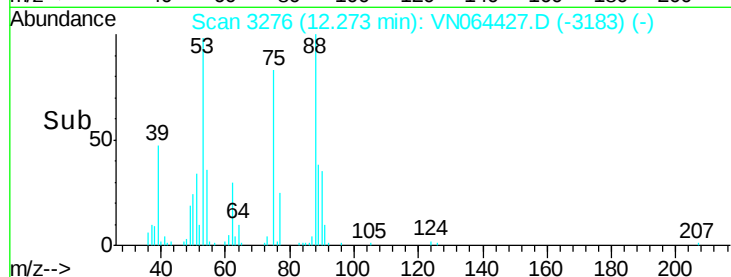
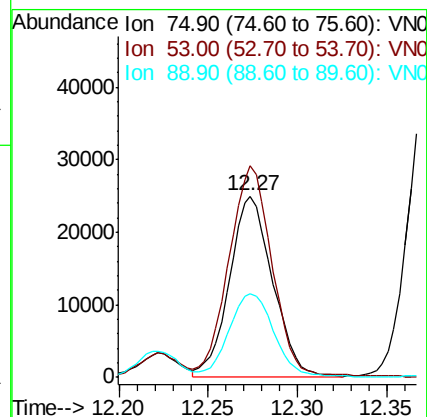
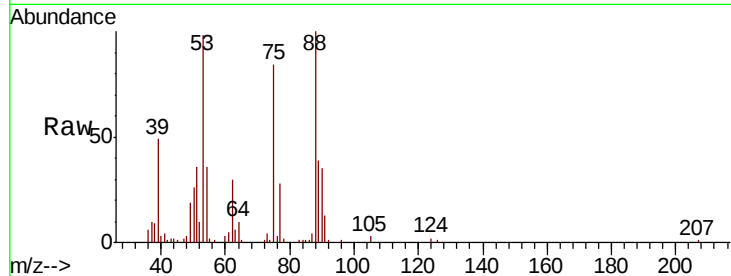
Tot Ion: 75 Resp: 42140

Ion Ratio Lower Upper

75 100

53 112.7 84.0 126.0

89 48.4 36.3 54.5



#82

4-Chlorotoluene

Concen: 21.183 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. -0.00 min

Lab File: VN064427.D

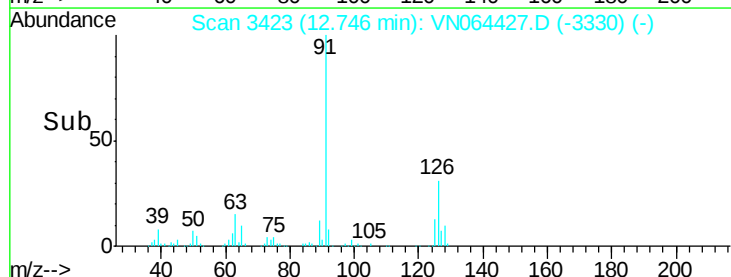
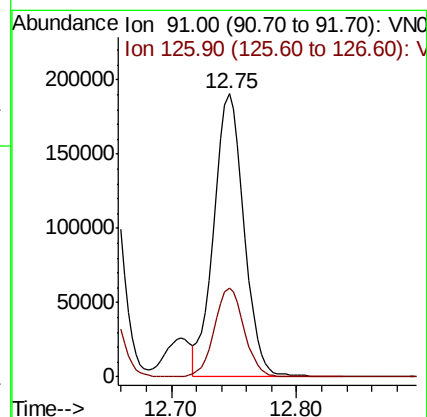
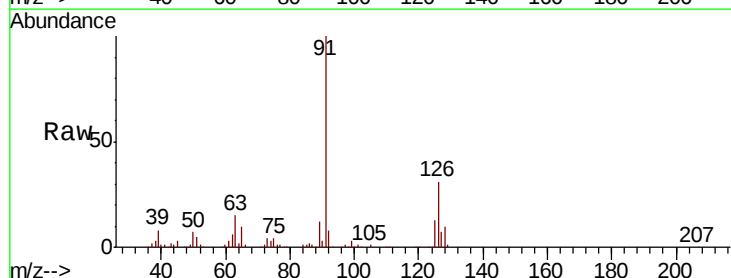
Acq: 4 Nov 2020 10:36

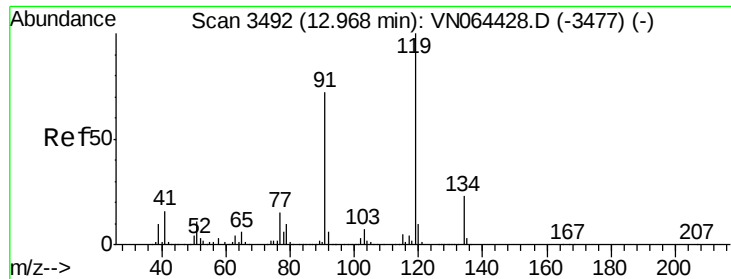
Tgt Ion: 91 Resp: 316542

Ion Ratio Lower Upper

91 100

126 30.8 15.4 46.2

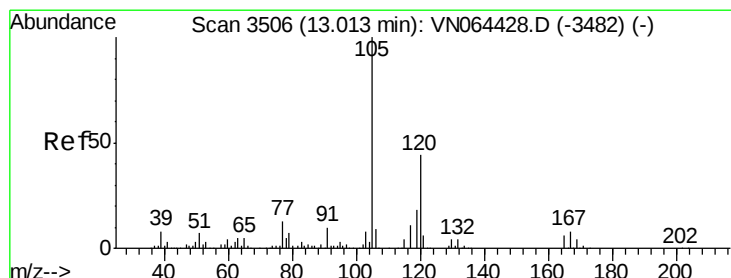
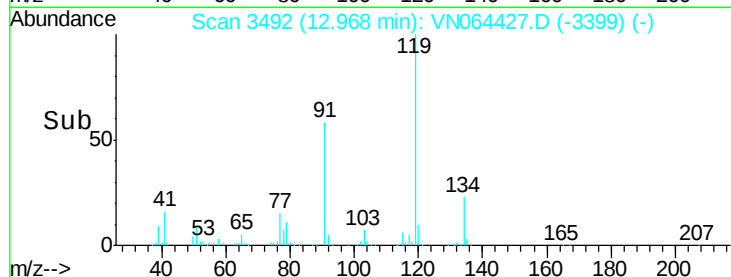
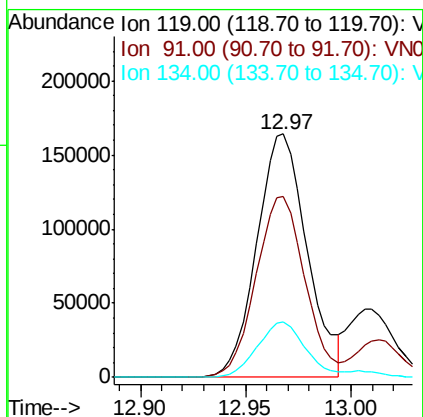
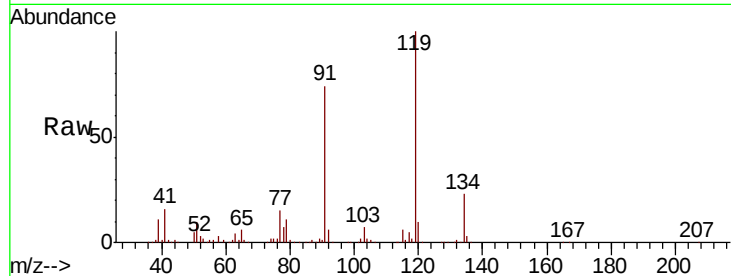




#83
tert-Butylbenzene
Concen: 19.670 ug/l
RT: 12.97 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

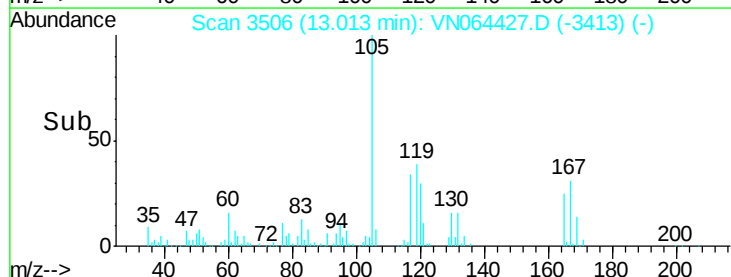
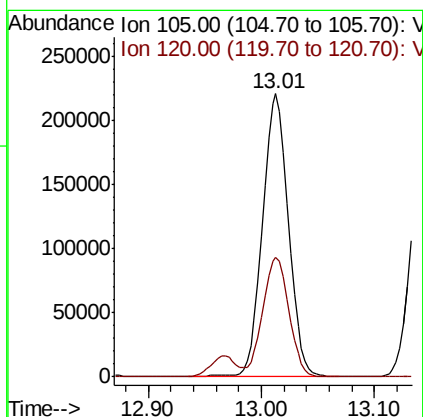
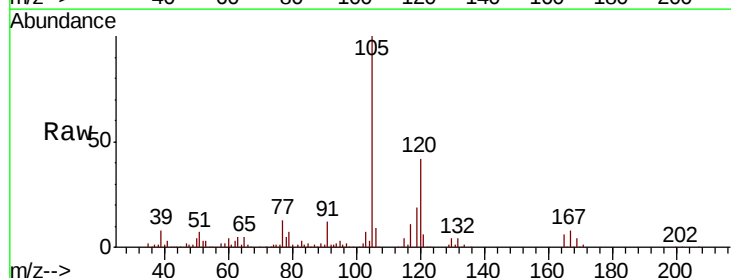
Instrument :
MSVOA_N
ClientSampled :

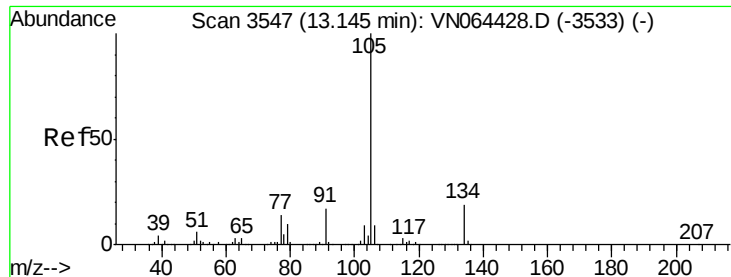
Tot Ion:119 Resp: 272310
Ion Ratio Lower Upper
119 100
91 72.3 36.1 108.3
134 22.1 11.7 35.1



#84
1,2,4-Trimethylbenzene
Concen: 20.585 ug/l
RT: 13.01 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion:105 Resp: 350765
Ion Ratio Lower Upper
105 100
120 42.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.261 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

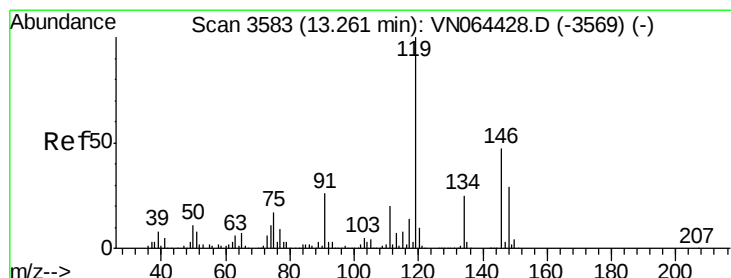
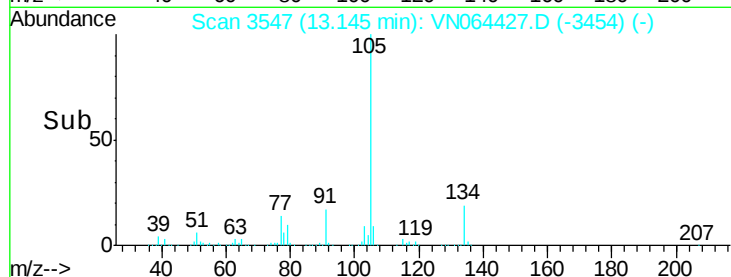
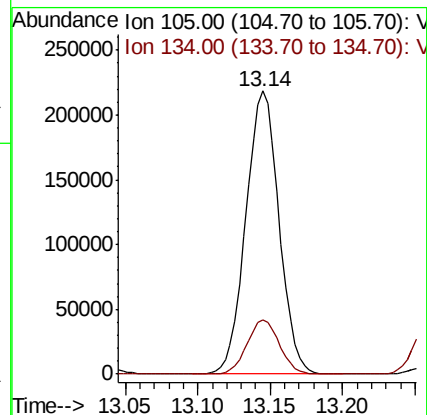
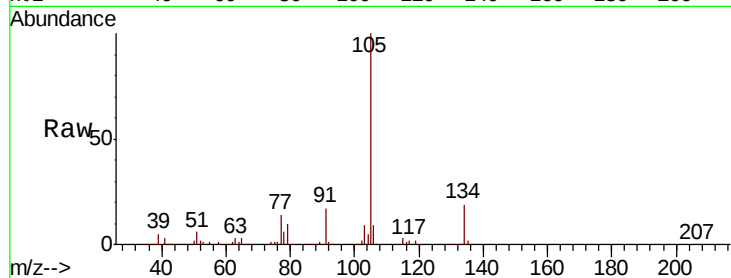
ClientSampleId :

Tot Ion:105 Resp: 346228

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2



#86

p-Isopropyltoluene

Concen: 19.235 ug/l

RT: 13.26 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

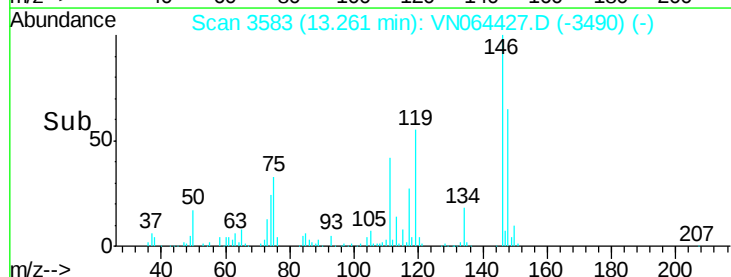
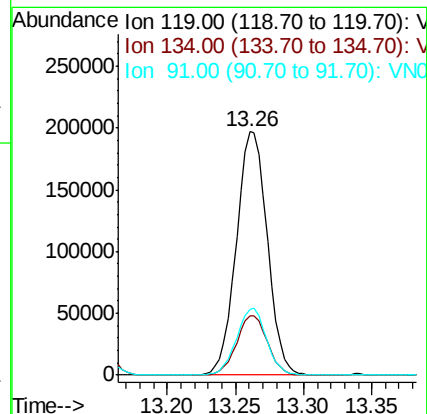
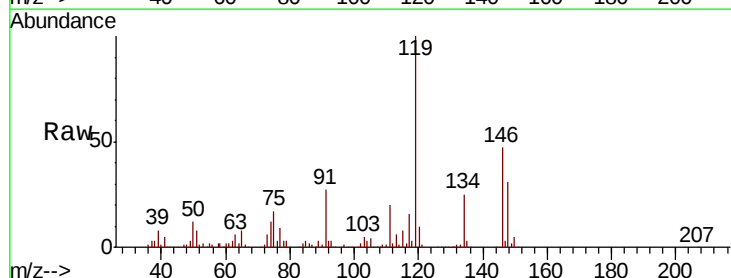
Tgt Ion:119 Resp: 310604

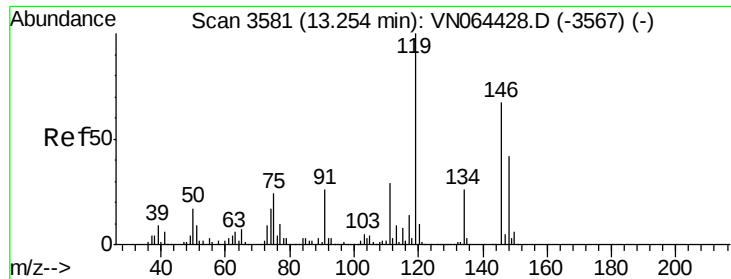
Ion Ratio Lower Upper

119 100

134 24.3 12.6 37.6

91 26.3 12.8 38.3

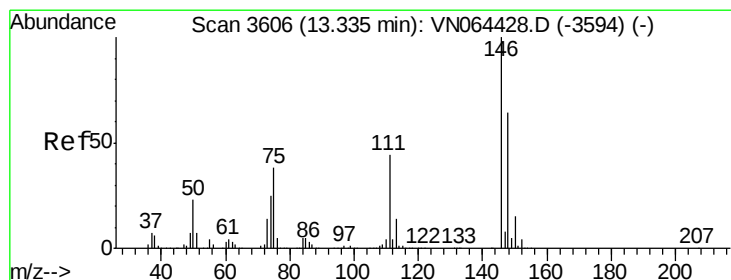
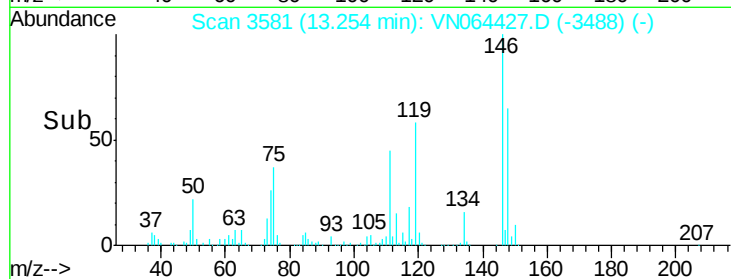
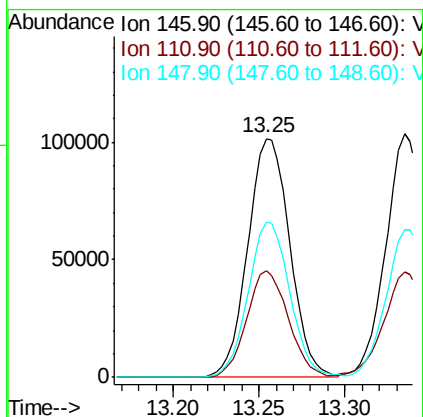
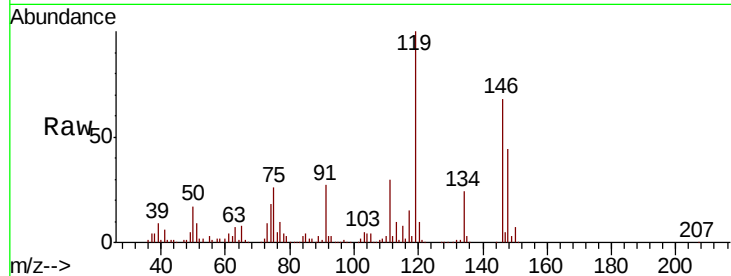




#87
 1,3-Dichlorobenzene
 Concen: 19.937 ug/l
 RT: 13.25 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

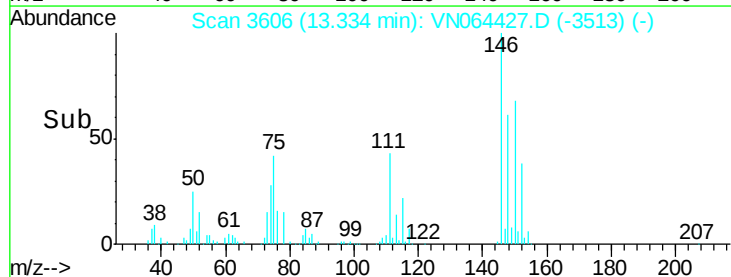
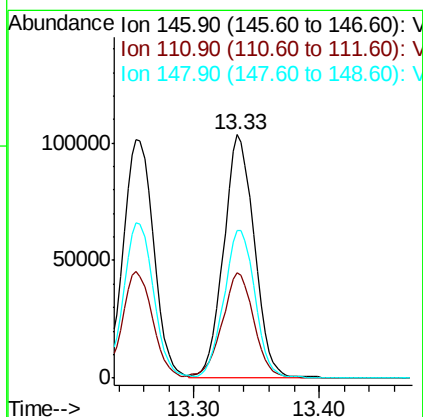
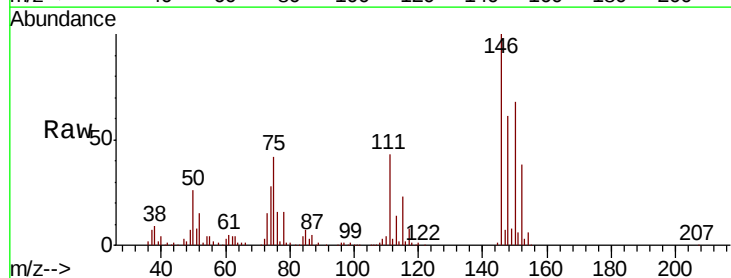
Instrument :
 MSVOA_N
 ClientSampleId :

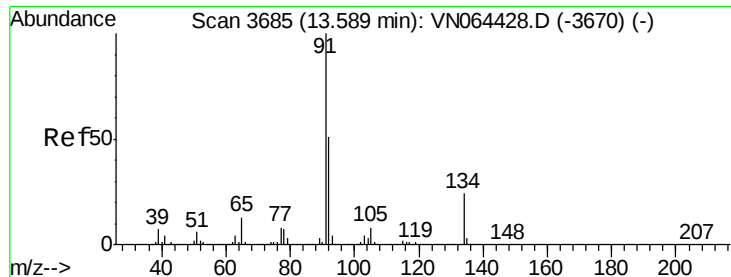
Tot Ion:146 Resp: 171990
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.1 66.1
 148 64.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.895 ug/l
 RT: 13.33 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion:146 Resp: 174819
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.8 65.3
 148 60.7 32.4 97.2

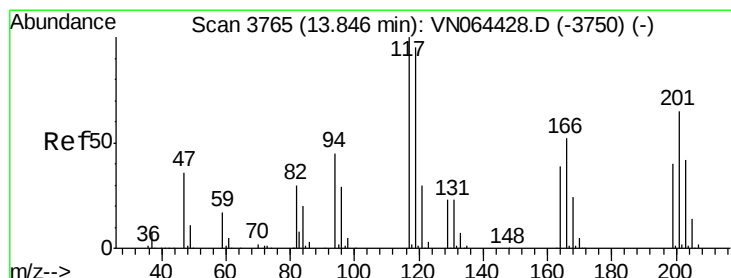
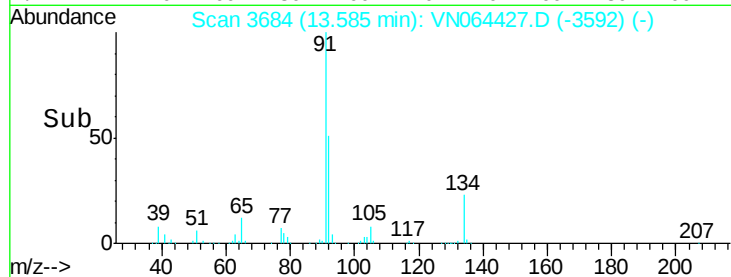
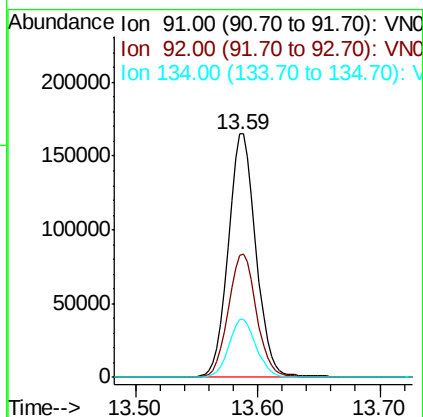
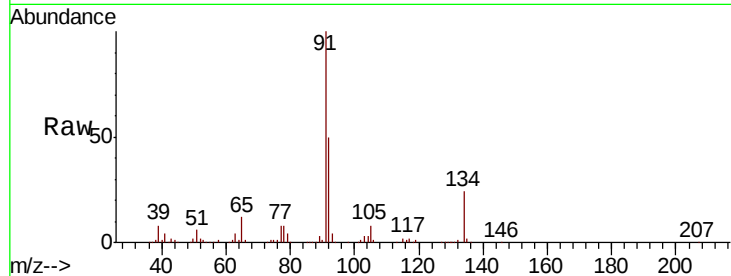




#89
n-Butylbenzene
Concen: 18.430 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

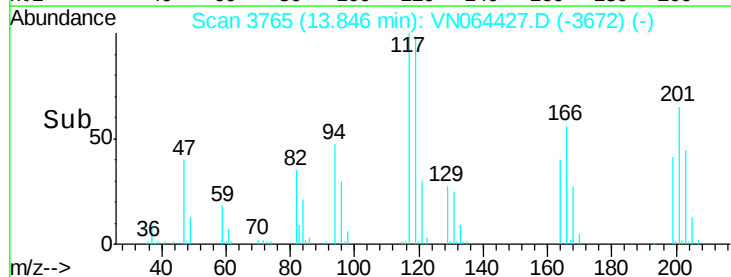
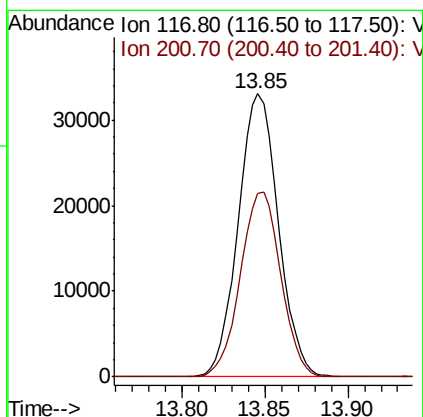
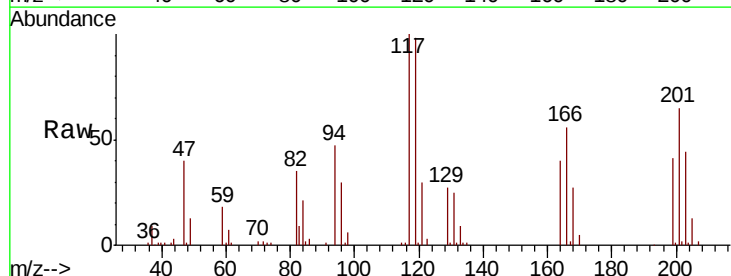
Instrument :
MSVOA_N
ClientSampled :

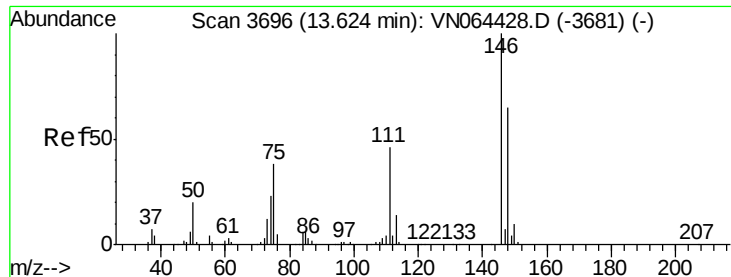
Tot Ion: 91 Resp: 262491
Ion Ratio Lower Upper
91 100
92 51.8 25.3 75.9
134 23.4 11.8 35.4



#90
Hexachloroethane
Concen: 18.479 ug/l
RT: 13.85 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN064427.D
Acq: 4 Nov 2020 10:36

Tgt Ion: 117 Resp: 55701
Ion Ratio Lower Upper
117 100
201 65.5 32.5 97.5

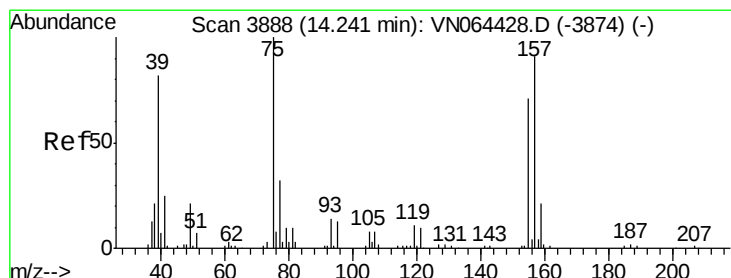
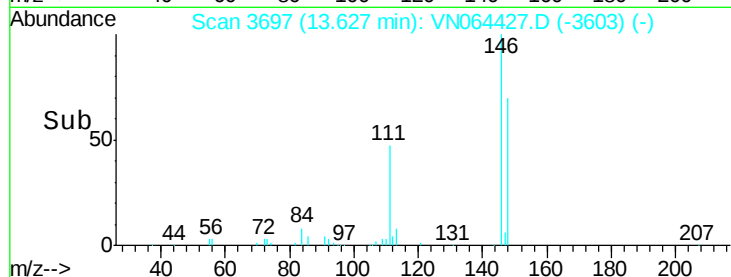
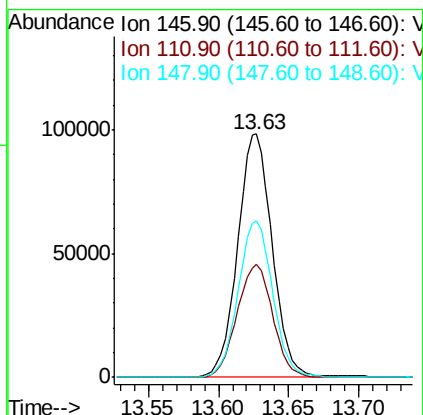
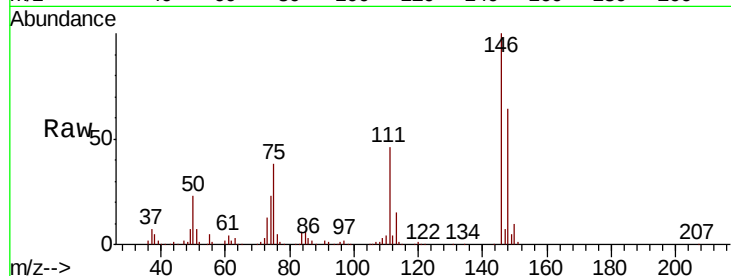




#91
 1,2-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

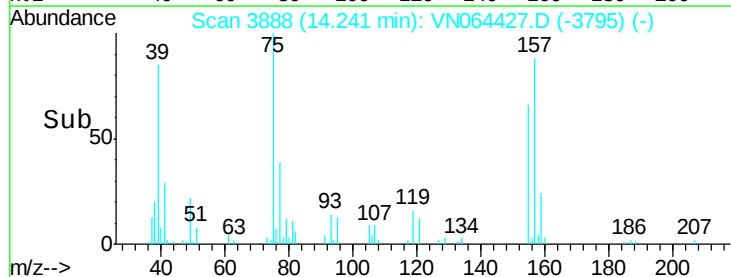
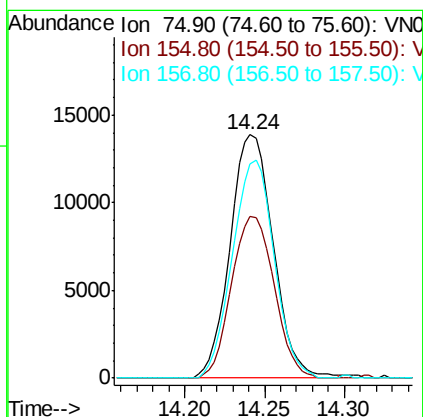
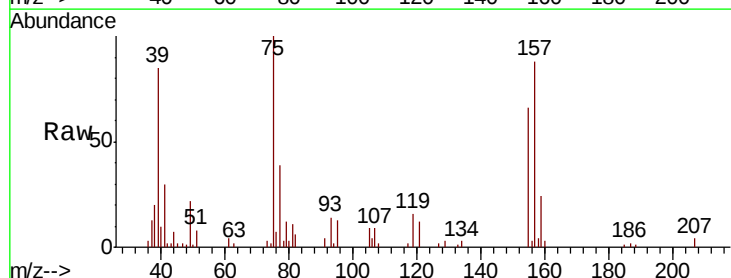
Instrument :
 MSVOA_N
 ClientSampled :

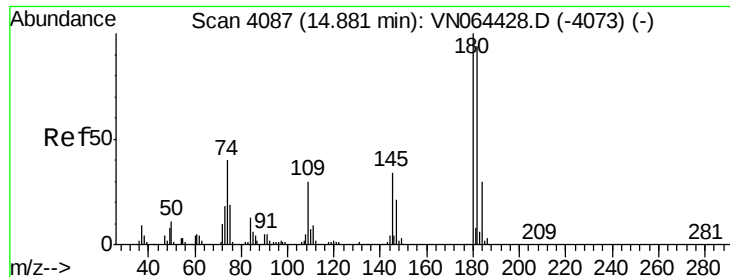
Tot Ion:146 Resp: 168854
 Ion Ratio Lower Upper
 146 100
 111 48.0 22.9 68.7
 148 64.4 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.032 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion: 75 Resp: 25511
 Ion Ratio Lower Upper
 75 100
 155 65.5 34.6 103.9
 157 86.8 43.0 128.8

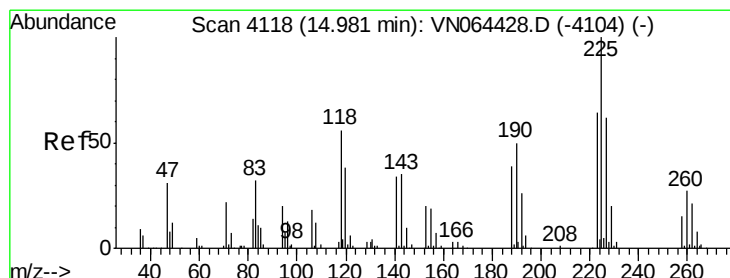
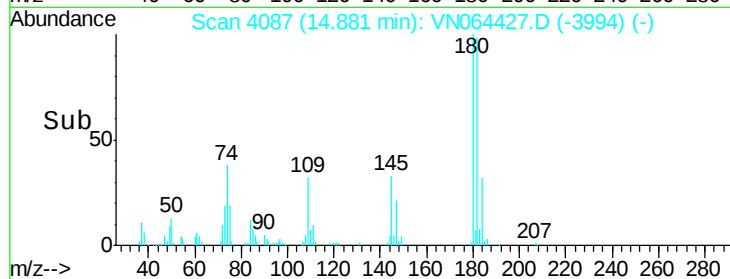
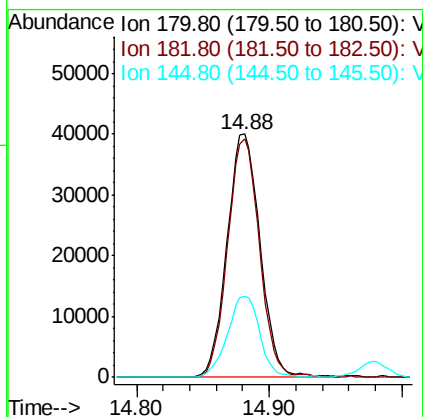
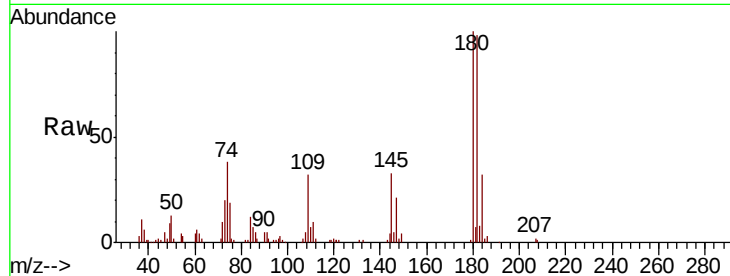




#93
 1,2,4-Trichlorobenzene
 Concen: 16.833 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

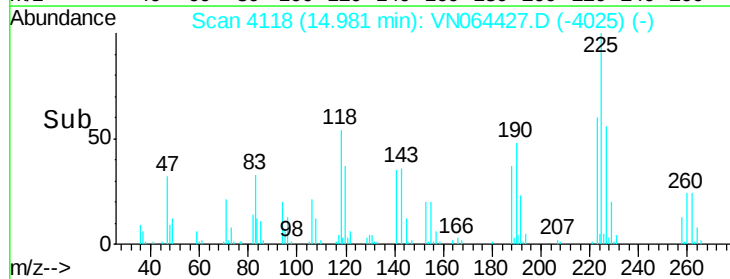
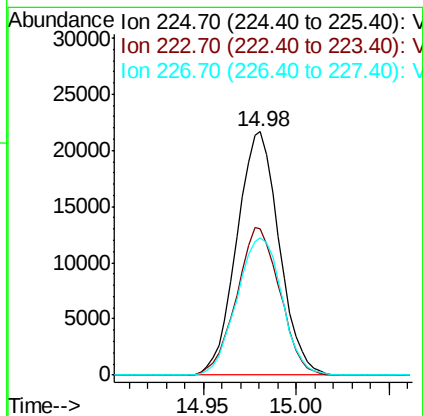
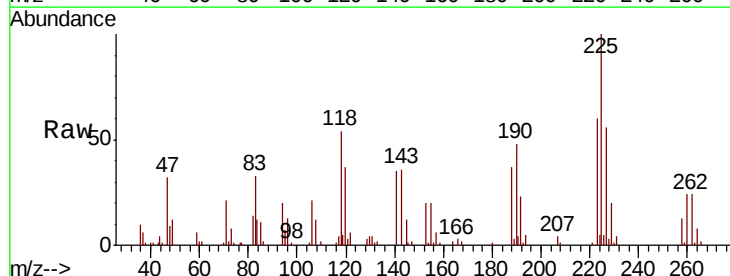
Instrument :
 MSVOA_N
 ClientSampled :

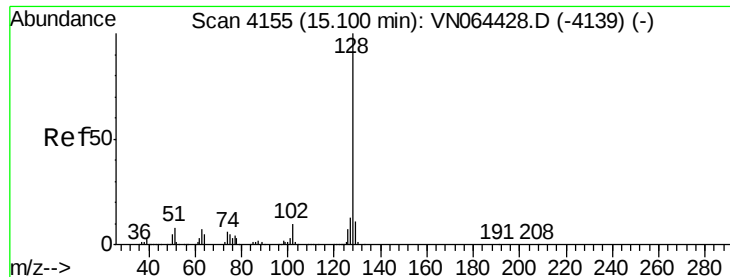
Tot Ion:180 Resp: 69421
 Ion Ratio Lower Upper
 180 100
 182 94.4 47.3 142.0
 145 32.5 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 13.838 ug/l
 RT: 14.98 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN064427.D
 Acq: 4 Nov 2020 10:36

Tgt Ion:225 Resp: 34458
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.8 95.4
 227 60.2 31.8 95.4





#95

Naphthalene

Concen: 17.103 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

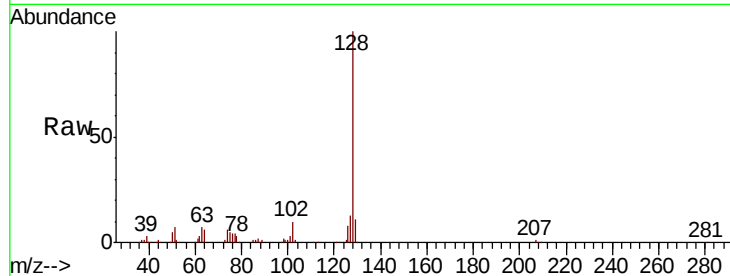
Tot Ion:128 Resp: 220969

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

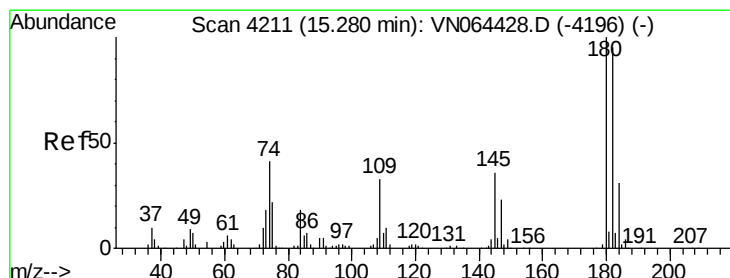
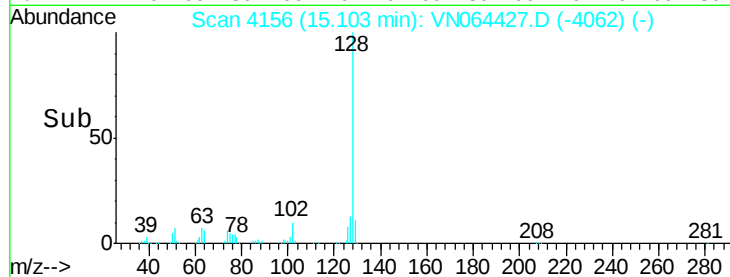
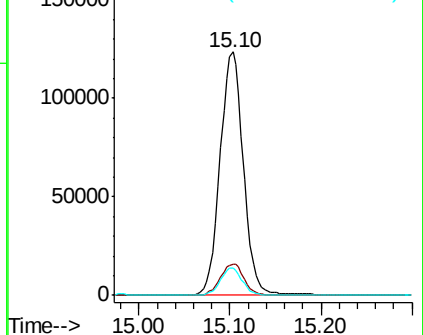
129 10.5 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 16.970 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN064427.D

Acq: 4 Nov 2020 10:36

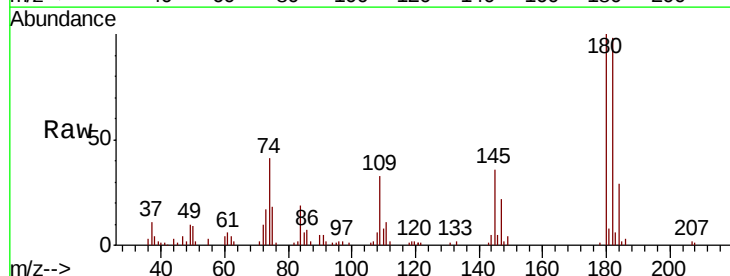
Tgt Ion:180 Resp: 67594

Ion Ratio Lower Upper

180 100

182 95.3 47.7 143.1

145 35.1 18.3 54.8



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

