

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057074.D
 Acq On : 5 Aug 2019 11:32
 Operator : JC/SP
 Sample : VN0805WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:08:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	442661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	650448	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	565902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	209219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	252249	55.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.34%	
35) Dibromofluoromethane	7.58	113	232855	55.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.84%	
50) Toluene-d8	10.08	98	858457	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
62) 4-Bromofluorobenzene	12.40	95	266850	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	89727	20.051	ug/l	96
3) Chloromethane	2.05	50	100511	18.757	ug/l	99
4) Vinyl Chloride	2.18	62	94908	18.889	ug/l	99
5) Bromomethane	2.55	94	61790	19.781	ug/l	99
6) Chloroethane	2.69	64	51993	18.771	ug/l	98
7) Trichlorofluoromethane	3.00	101	135026	20.529	ug/l	100
8) Diethyl Ether	3.40	74	51445	20.899	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	82097	20.132	ug/l	98
10) Methyl Iodide	3.94	142	82601	15.159	ug/l	99
11) Tert butyl alcohol	4.77	59	63876	104.291	ug/l	99
12) 1,1-Dichloroethene	3.73	96	77378	19.887	ug/l	98
13) Acrolein	3.60	56	20447	63.205	ug/l	99
14) Allyl chloride	4.31	41	125334	19.802	ug/l	99
15) Acrylonitrile	4.97	53	188371	104.876	ug/l	99
16) Acetone	3.81	43	153762	93.667	ug/l	97
17) Carbon Disulfide	4.04	76	181802	17.584	ug/l	100
18) Methyl Acetate	4.31	43	109535	20.917	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	248959	21.459	ug/l	100
20) Methylene Chloride	4.54	84	93746	19.825	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	83021	20.091	ug/l	98
22) Diisopropyl ether	5.94	45	269958	20.701	ug/l	96
23) Vinyl Acetate	5.88	43	915635	101.338	ug/l	99
24) 1,1-Dichloroethane	5.84	63	157407	20.458	ug/l	100
25) 2-Butanone	6.82	43	232295	99.794	ug/l	96
26) 2,2-Dichloropropane	6.81	77	120020	20.515	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	99107	20.277	ug/l	99
28) Bromochloromethane	7.18	49	68374	18.906	ug/l	96
29) Tetrahydrofuran	7.20	42	157414	103.648	ug/l	100
30) Chloroform	7.36	83	163470	20.780	ug/l	99
31) Cyclohexane	7.64	56	134642	18.084	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	133572	21.280	ug/l	99
36) 1,1-Dichloropropene	7.78	75	114931	20.081	ug/l	99
37) Ethyl Acetate	6.92	43	90907	19.831	ug/l	97
38) Carbon Tetrachloride	7.76	117	115848	21.398	ug/l	98

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Quant Time: Aug 06 01:08:19 2019
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 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 01:33:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	136014	18.594	ug/l	99
40) Benzene	8.03	78	354057	20.084	ug/l	98
41) Methacrylonitrile	7.16	41	43791	20.665	ug/l	96
42) 1,2-Dichloroethane	8.11	62	117722	21.307	ug/l	98
43) Isopropyl Acetate	8.16	43	157139	20.740	ug/l	98
44) Trichloroethene	8.82	130	100942	20.784	ug/l	99
45) 1,2-Dichloropropane	9.11	63	98673	20.926	ug/l	99
46) Dibromomethane	9.20	93	62338	21.922	ug/l	98
47) Bromodichloromethane	9.39	83	119460	21.367	ug/l	98
48) Methyl methacrylate	9.19	41	75659	20.683	ug/l	97
49) 1,4-Dioxane	9.19	88	32366	429.356	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	467495	103.848	ug/l	100
52) Toluene	10.15	92	220511	20.820	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	119597	20.614	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	140741	20.864	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	89689	21.116	ug/l	99
56) Ethyl methacrylate	10.42	69	122532	20.190	ug/l	97
57) 1,3-Dichloropropane	10.70	76	148817	21.129	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	209793	82.423	ug/l	98
59) 2-Hexanone	10.74	43	322677	94.646	ug/l	100
60) Dibromochloromethane	10.90	129	95017	21.835	ug/l	98
61) 1,2-Dibromoethane	11.00	107	90775	21.899	ug/l	99
64) Tetrachloroethene	10.63	164	103385	21.200	ug/l	98
65) Chlorobenzene	11.43	112	236959	20.545	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.50	131	92473	21.301	ug/l	99
67) Ethyl Benzene	11.51	91	407640	20.449	ug/l	99
68) m/p-Xylenes	11.62	106	305153	41.479	ug/l	100
69) o-Xylene	11.94	106	147661	20.516	ug/l	100
70) Styrene	11.96	104	238275	19.897	ug/l	99
71) Bromoform	12.12	173	64535	21.293	ug/l #	99
73) Isopropylbenzene	12.25	105	404855	22.390	ug/l	99
74) N-amyl acetate	12.07	43	111065	21.154	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	115509	23.943	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	130222	30.648	ug/l #	100
77) Bromobenzene	12.52	156	104132	22.066	ug/l	98
78) n-propylbenzene	12.59	91	413659	21.426	ug/l	99
79) 2-Chlorotoluene	12.67	91	256261	21.556	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333535	22.475	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	28864	21.827	ug/l	95
82) 4-Chlorotoluene	12.77	91	237005	21.304	ug/l	100
83) tert-Butylbenzene	12.99	119	296580	22.576	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	320987	22.479	ug/l	100
85) sec-Butylbenzene	13.17	105	365065	21.544	ug/l	99
86) p-Isopropyltoluene	13.29	119	324511	21.570	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	148210	20.647	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	141153	20.426	ug/l	100
89) n-Butylbenzene	13.61	91	229063	19.756	ug/l	98
90) Hexachloroethane	13.87	117	56693	21.885	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	150420	21.291	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.26	75	15020	20.885	ug/l	95

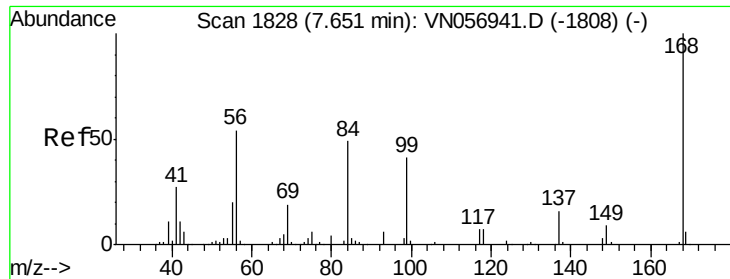
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	48559	15.312	ug/l	99
94) Hexachlorobutadiene	15.00	225	61431	23.106	ug/l	96
95) Naphthalene	15.12	128	119337	16.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	59670	17.587	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

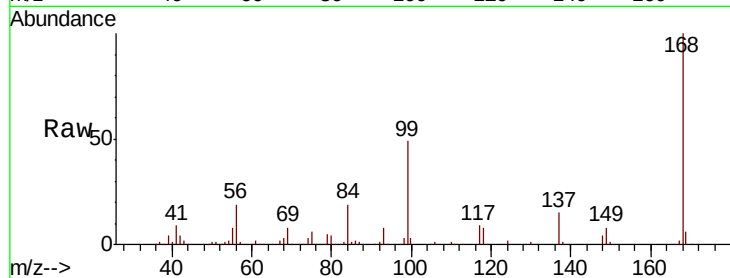
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 442661

Ion Ratio Lower Upper

168 100

99 49.1 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

200000

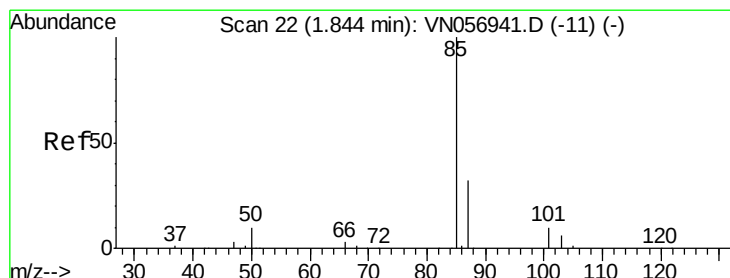
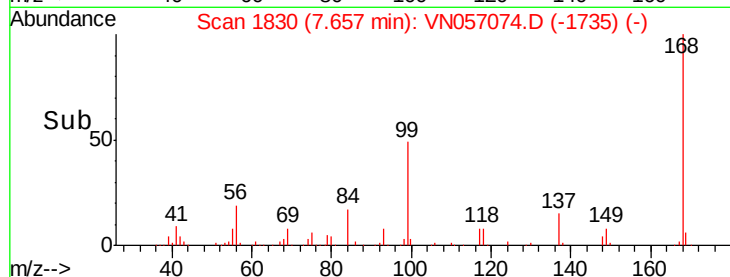
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.051 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057074.D

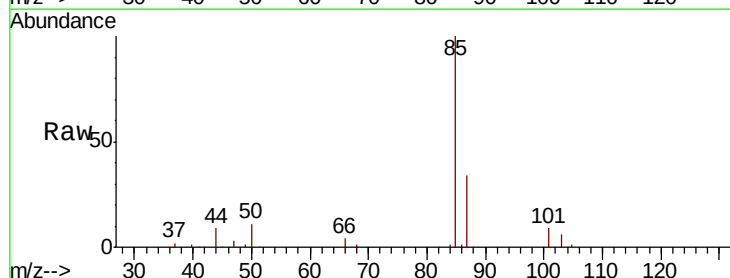
Acq: 5 Aug 2019 11:32

Tgt Ion: 85 Resp: 89727

Ion Ratio Lower Upper

85 100

87 33.9 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

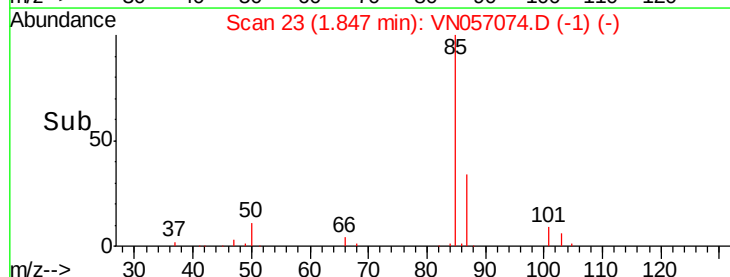
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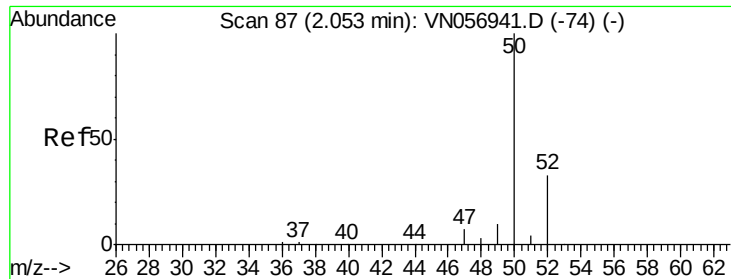
40000

20000

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Time-->





#3

Chloromethane

Concen: 18.757 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

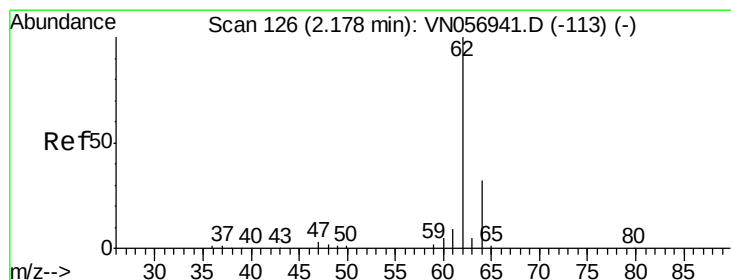
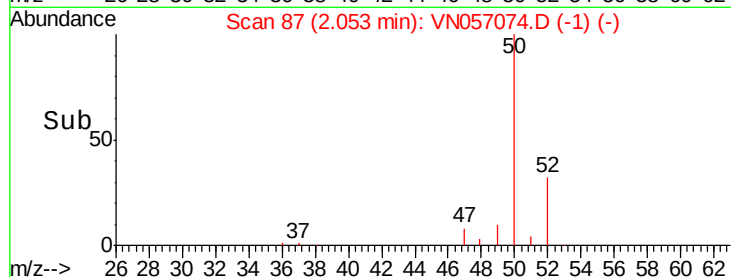
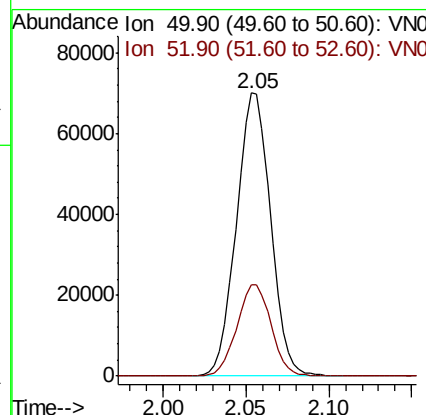
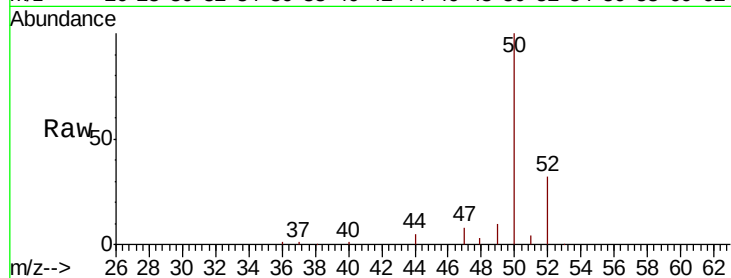
ClientSampleId :

Tot Ion: 50 Resp: 100511

Ion Ratio Lower Upper

50 100

52 32.1 26.2 39.2



#4

Vinyl Chloride

Concen: 18.889 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057074.D

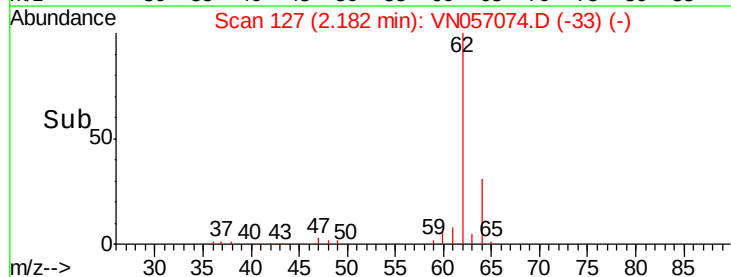
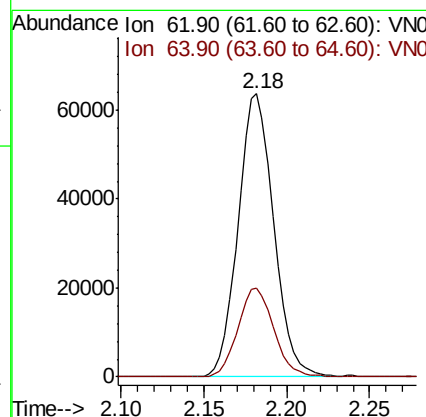
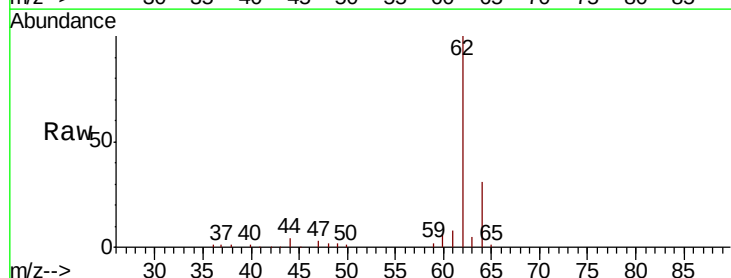
Acq: 5 Aug 2019 11:32

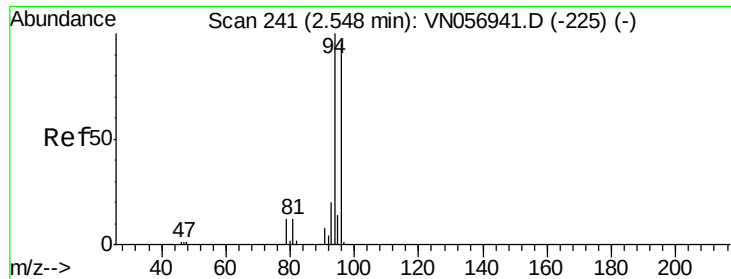
Tgt Ion: 62 Resp: 94908

Ion Ratio Lower Upper

62 100

64 31.3 25.4 38.0





#5

Bromomethane

Concen: 19.781 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

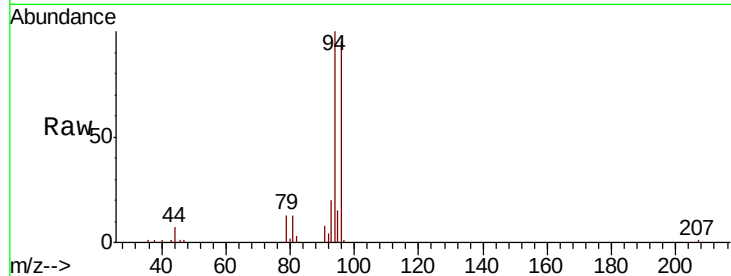
ClientSampleId :

Tot Ion: 94 Resp: 61790

Ion Ratio Lower Upper

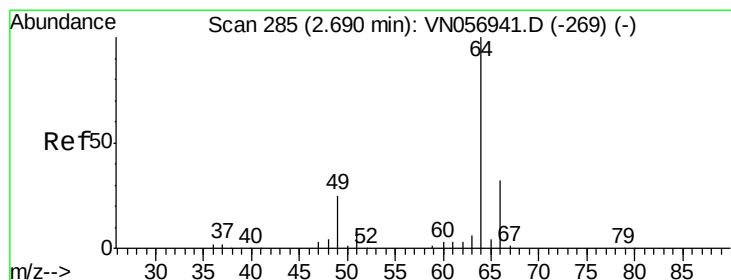
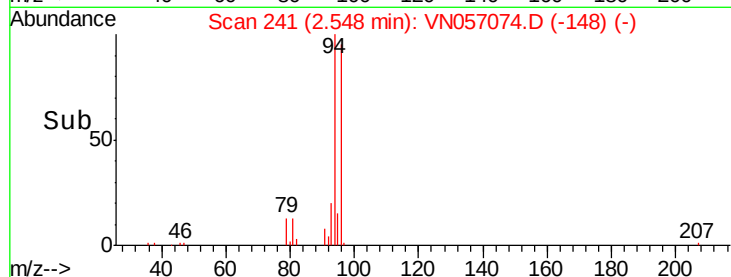
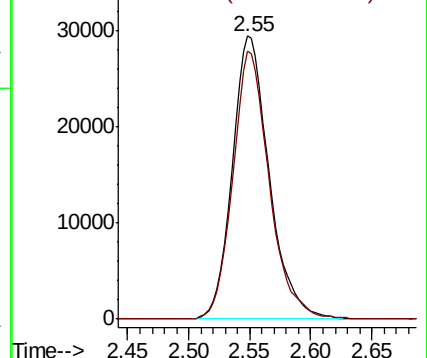
94 100

96 94.7 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.771 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057074.D

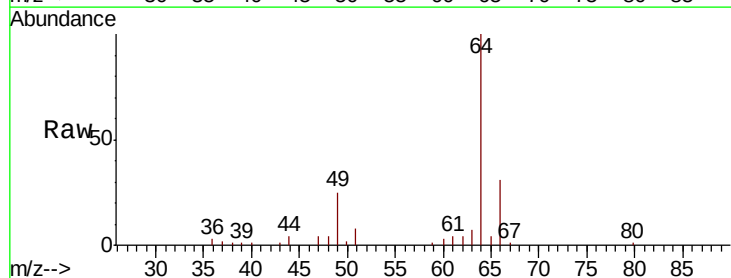
Acq: 5 Aug 2019 11:32

Tgt Ion: 64 Resp: 51993

Ion Ratio Lower Upper

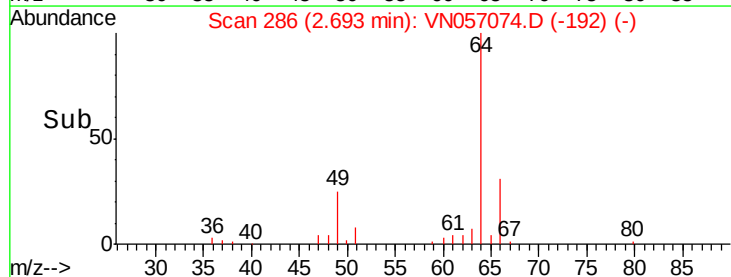
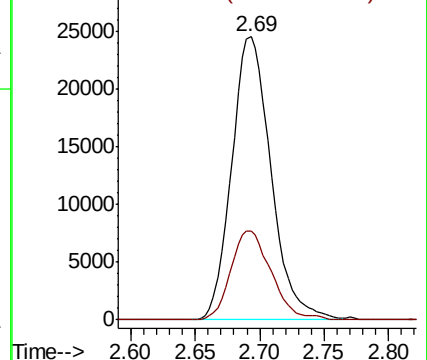
64 100

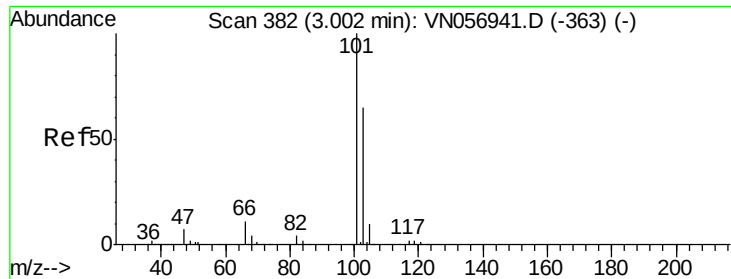
66 31.4 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



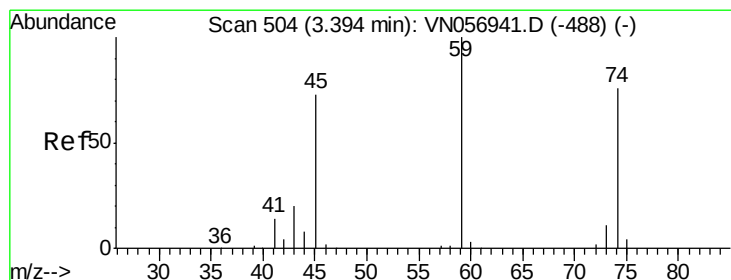
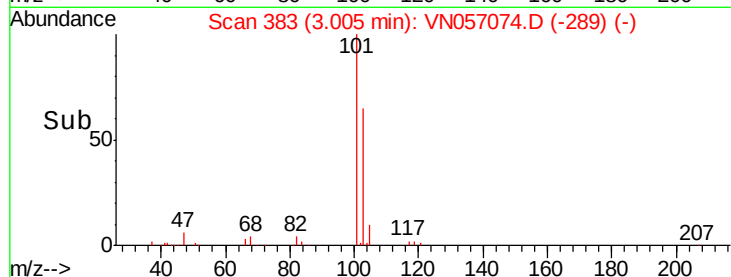
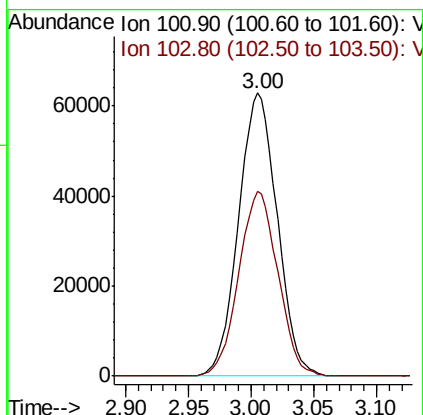
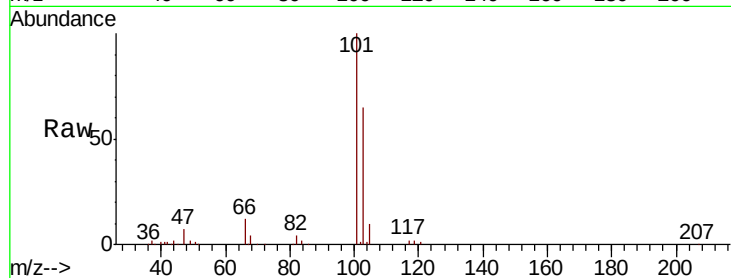


#7

Trichlorofluoromethane
 Concen: 20.529 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampled :

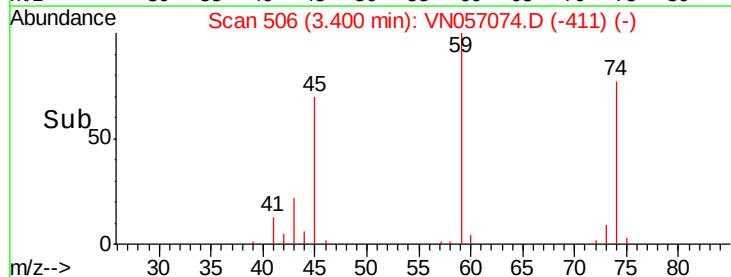
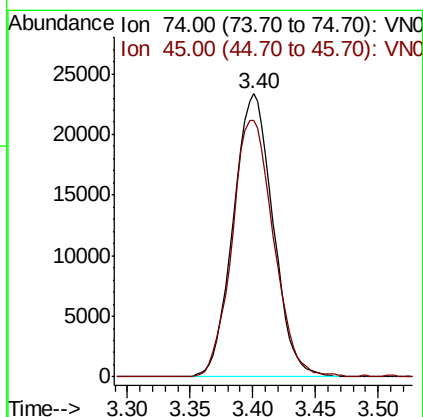
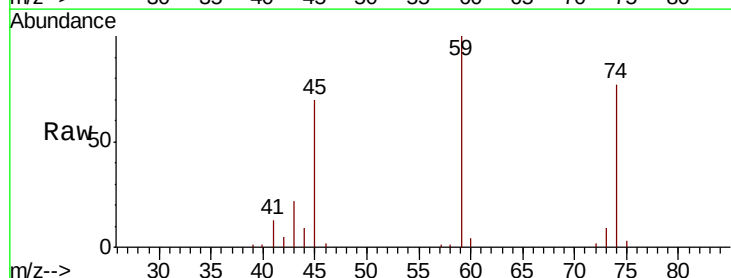
Tot Ion:101 Resp: 135026
 Ion Ratio Lower Upper
 101 100
 103 65.2 52.1 78.1

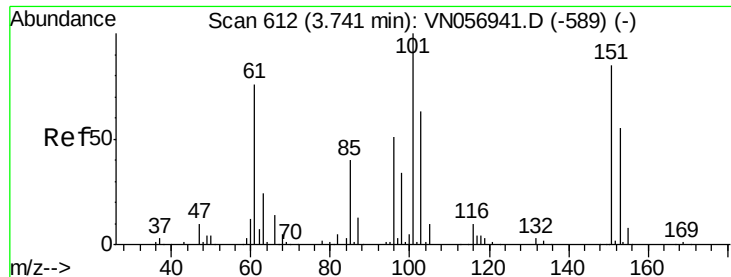


#8

Diethyl Ether
 Concen: 20.899 ug/l
 RT: 3.40 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion: 74 Resp: 51445
 Ion Ratio Lower Upper
 74 100
 45 94.6 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.132 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

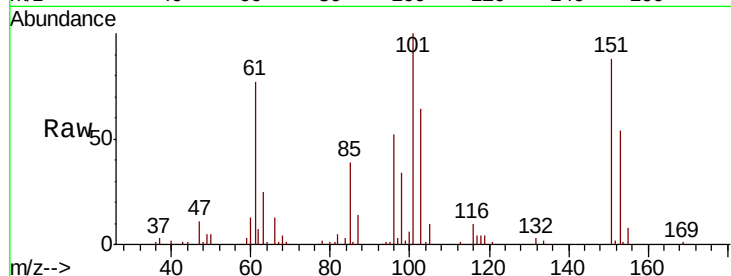
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:101 Resp: 82097

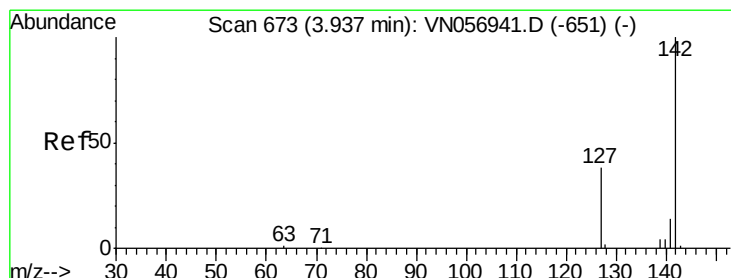
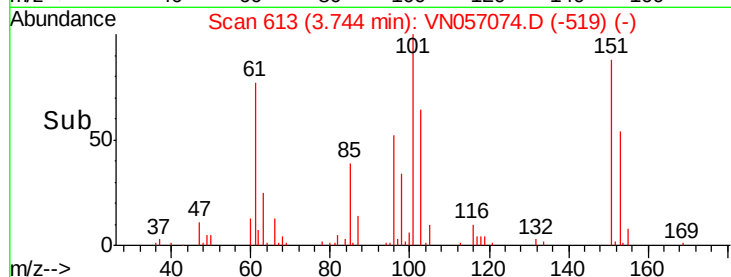
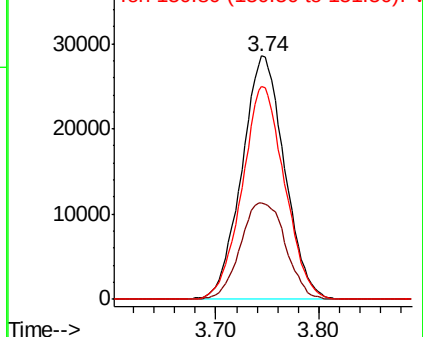
Ion	Ratio	Lower	Upper
101	100		
85	41.7	32.3	48.5
151	86.9	68.0	102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 15.159 ug/l

RT: 3.94 min Scan# 674

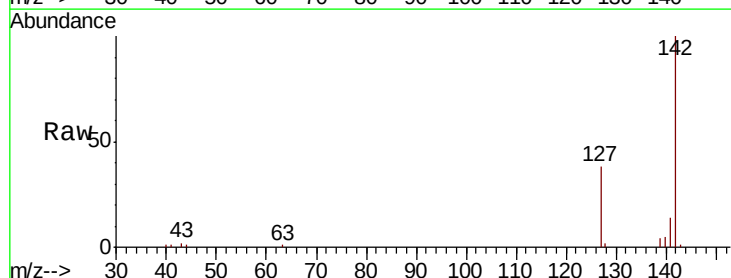
Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Tgt Ion:142 Resp: 82601

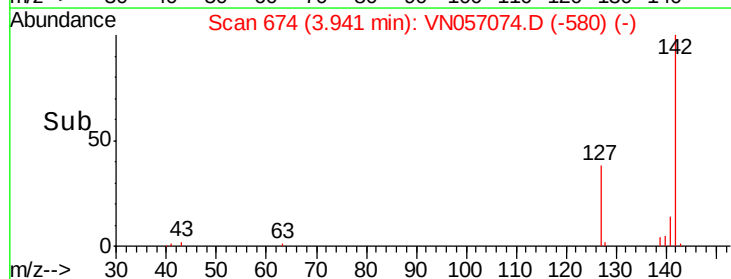
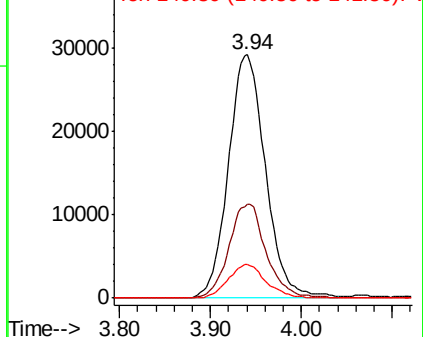
Ion	Ratio	Lower	Upper
142	100		
127	38.7	30.4	45.6
141	14.0	11.1	16.7

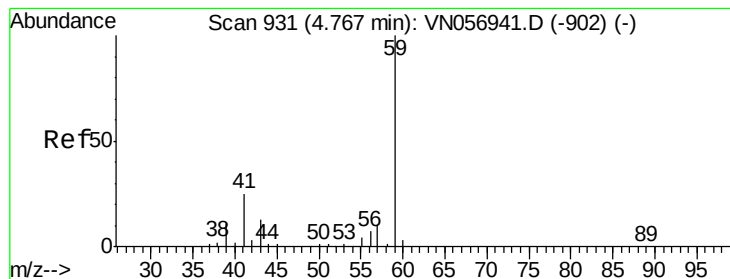


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



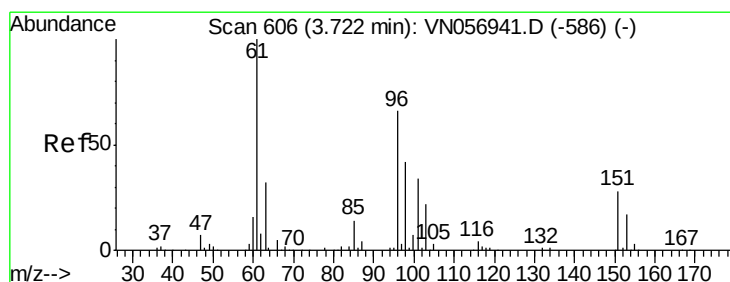
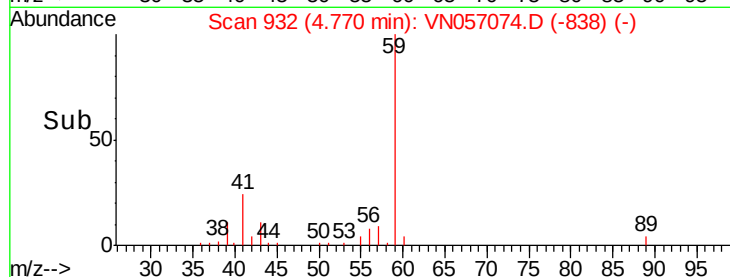
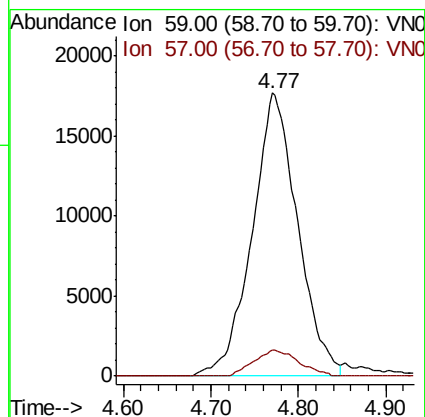
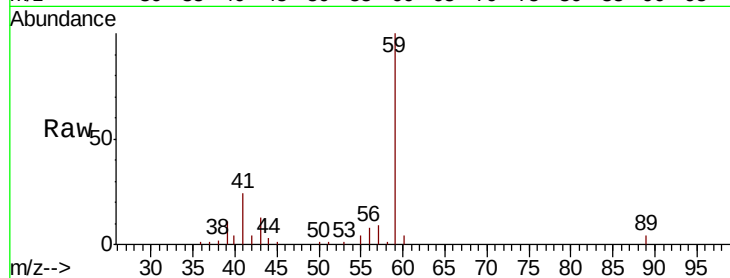


#11

Tert butyl alcohol
 Concen: 104.291 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampleId :

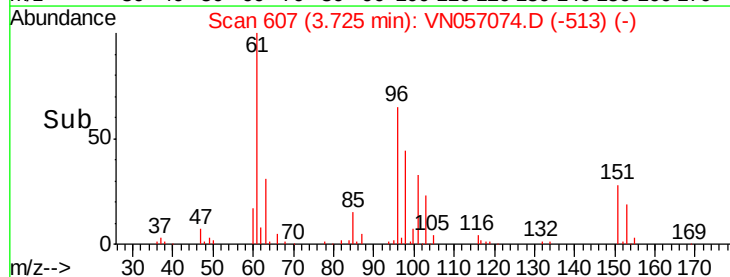
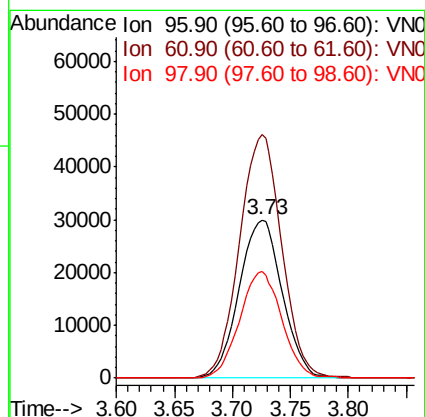
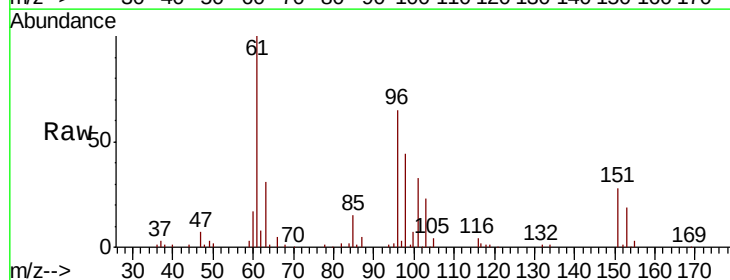
Tot Ion: 59 Resp: 63876
 Ion Ratio Lower Upper
 59 100
 57 9.1 7.5 11.3

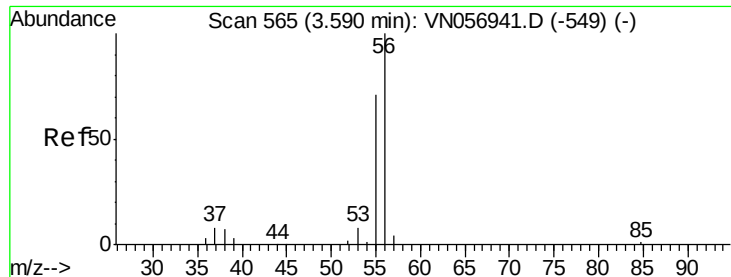


#12

1,1-Dichloroethene
 Concen: 19.887 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion: 96 Resp: 77378
 Ion Ratio Lower Upper
 96 100
 61 153.7 121.8 182.8
 98 67.3 51.7 77.5





#13

Acrolein

Concen: 63.205 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

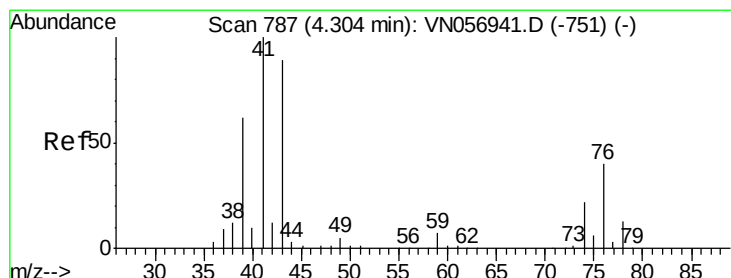
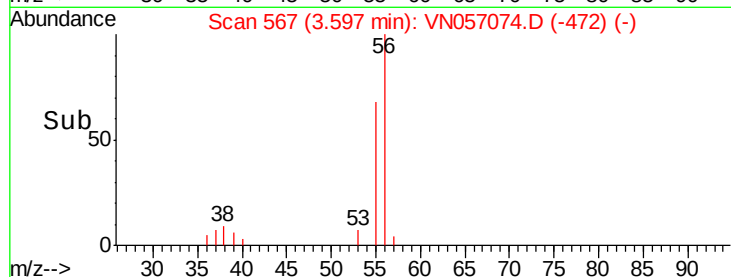
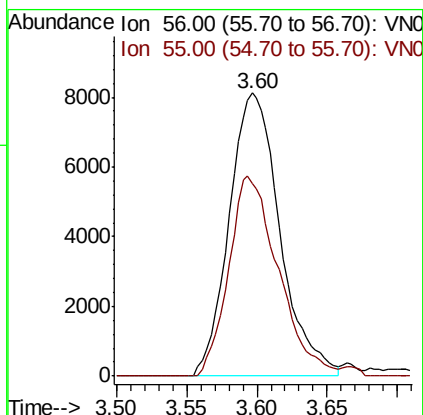
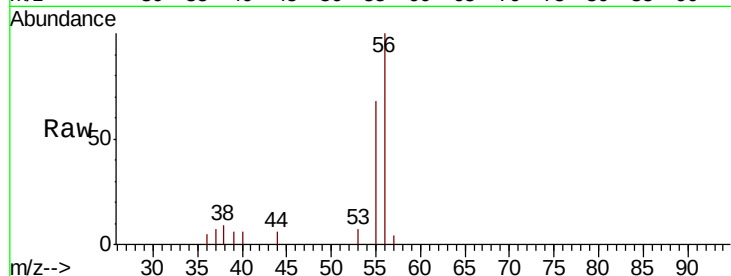
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 20447

Ion Ratio Lower Upper

56 100

55 68.9 55.8 83.6



#14

Allyl chloride

Concen: 19.802 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

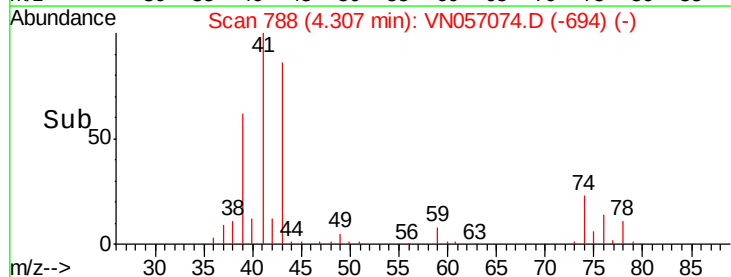
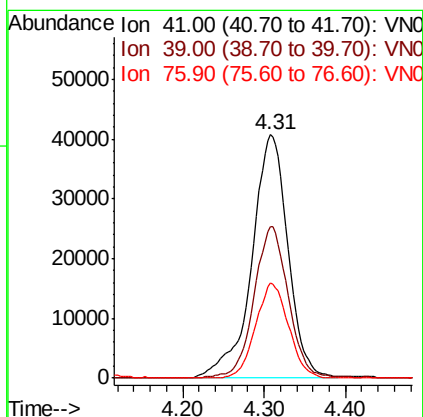
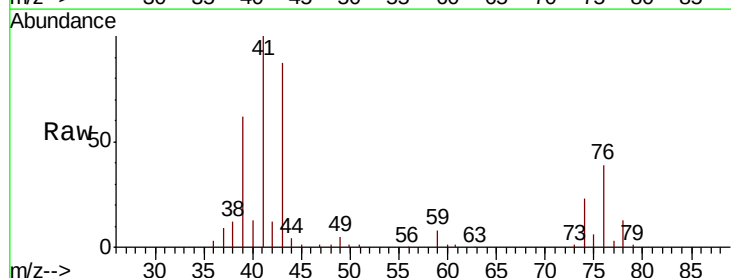
Tgt Ion: 41 Resp: 125334

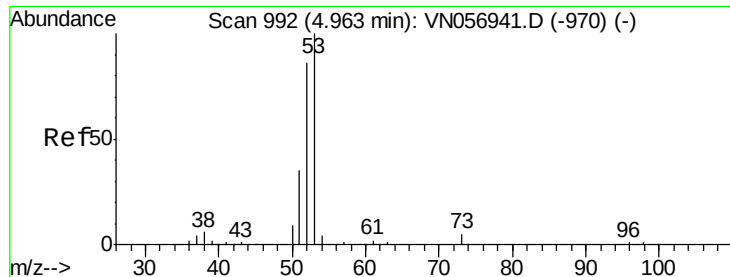
Ion Ratio Lower Upper

41 100

39 59.0 46.4 69.6

76 35.5 28.4 42.6





#15

Acrylonitrile

Concen: 104.876 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

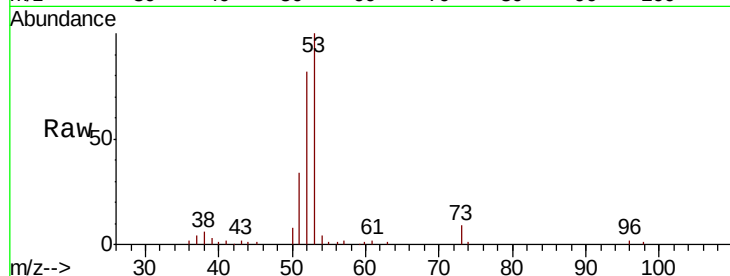
Tot Ion: 53 Resp: 188371

Ion Ratio Lower Upper

53 100

52 83.7 66.5 99.7

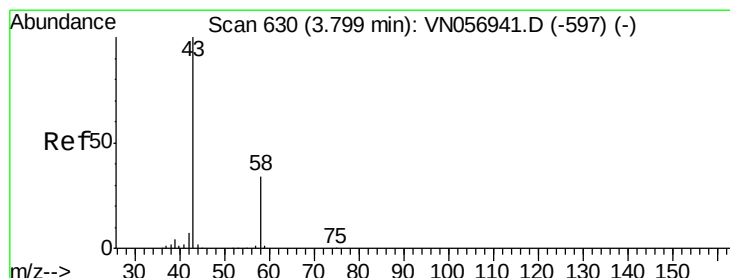
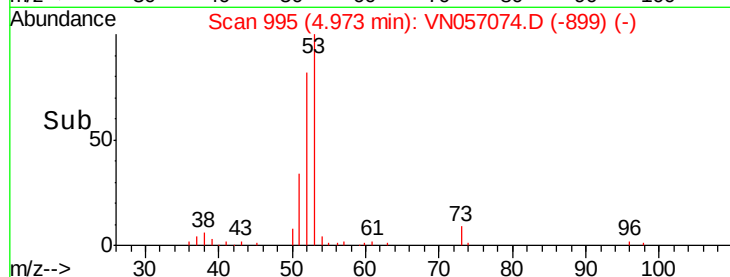
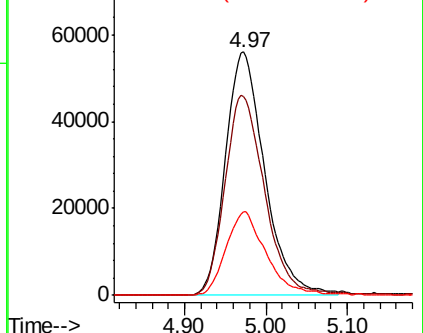
51 34.4 28.4 42.6



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: 93.667 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057074.D

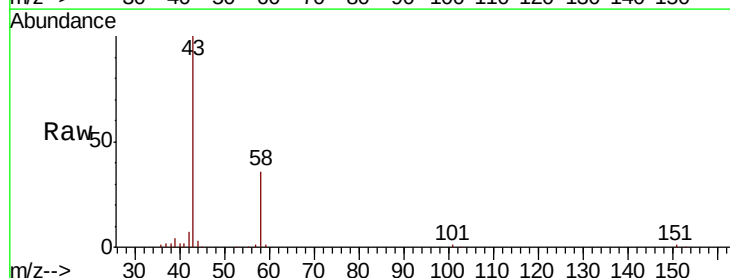
Acq: 5 Aug 2019 11:32

Tgt Ion: 43 Resp: 153762

Ion Ratio Lower Upper

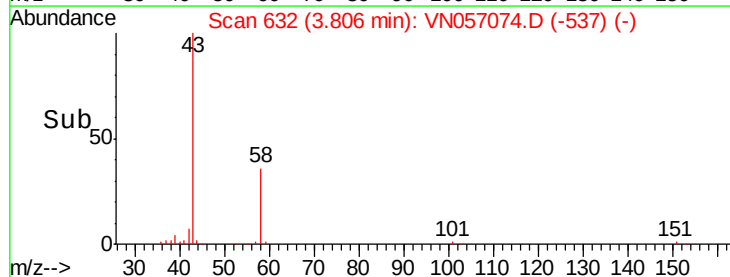
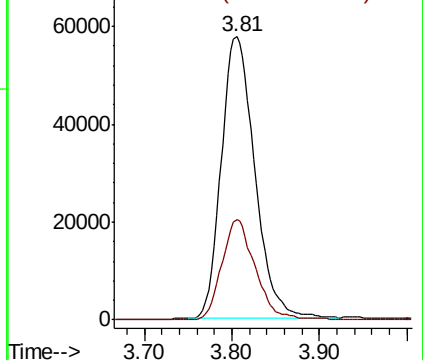
43 100

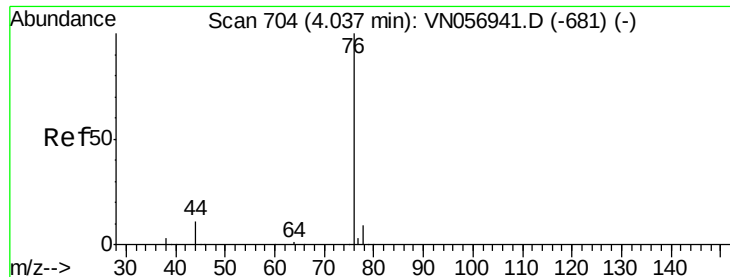
58 35.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

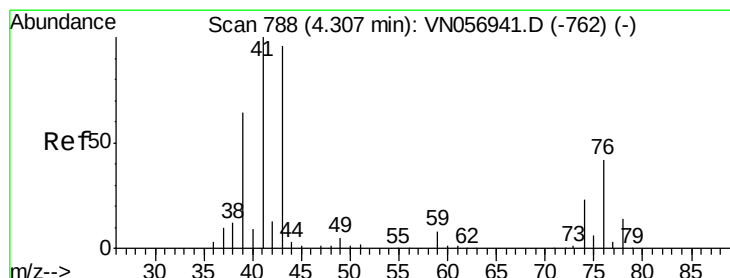
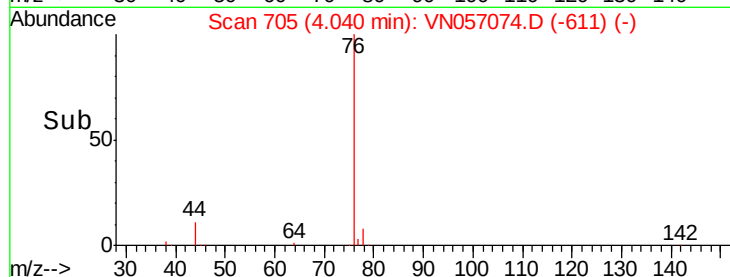
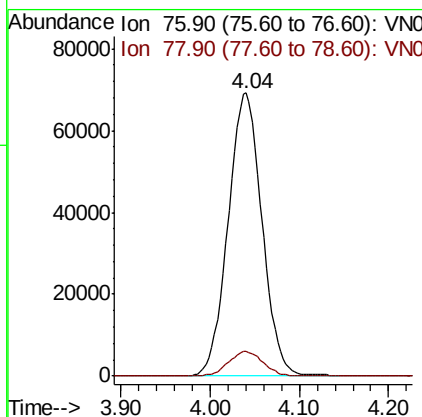
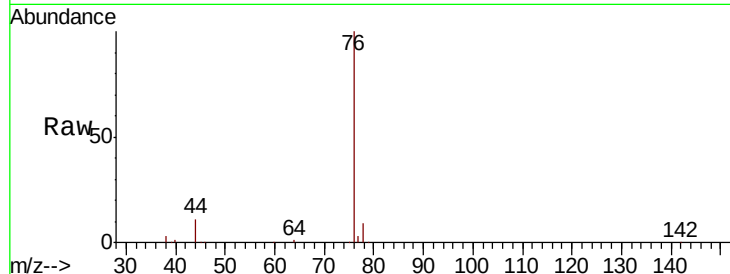




#17
Carbon Disulfide
Concen: 17.584 ug/l
RT: 4.04 min Scan# 705
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

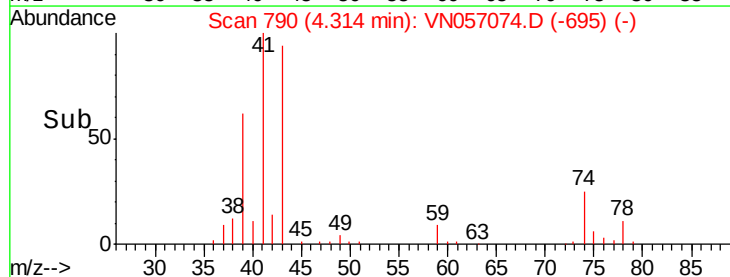
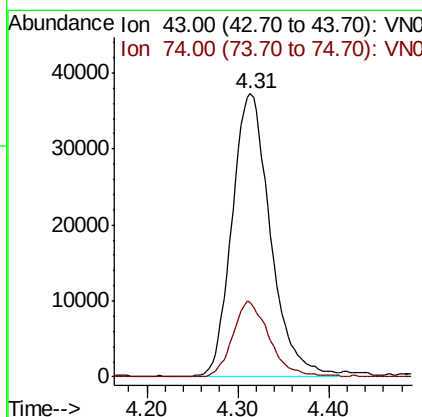
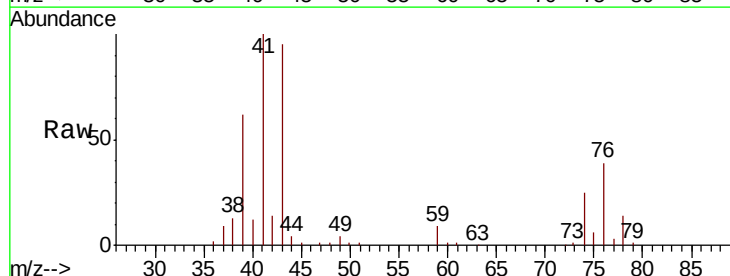
Instrument :
MSVOA_N
ClientSampleId :

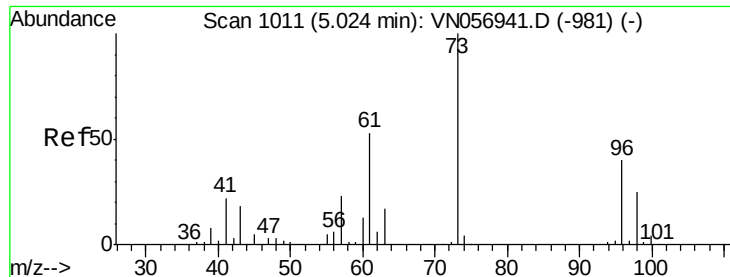
Tot Ion: 76 Resp: 181802
Ion Ratio Lower Upper
76 100
78 8.9 7.2 10.8



#18
Methyl Acetate
Concen: 20.917 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 43 Resp: 109535
Ion Ratio Lower Upper
43 100
74 25.3 19.7 29.5

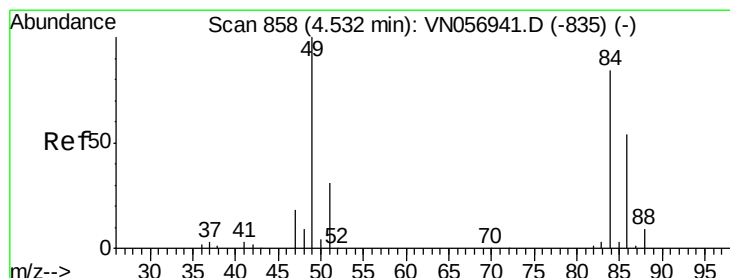
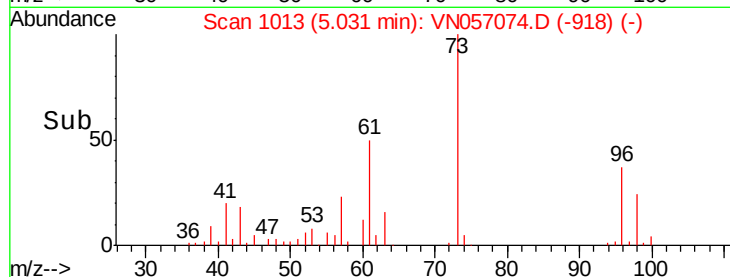
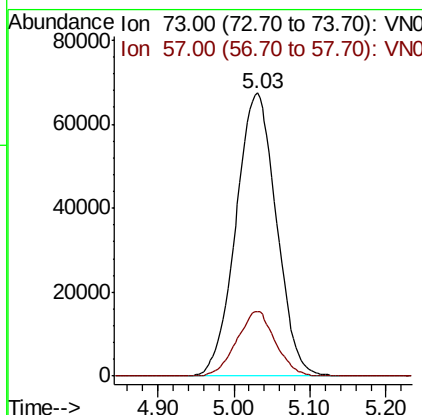
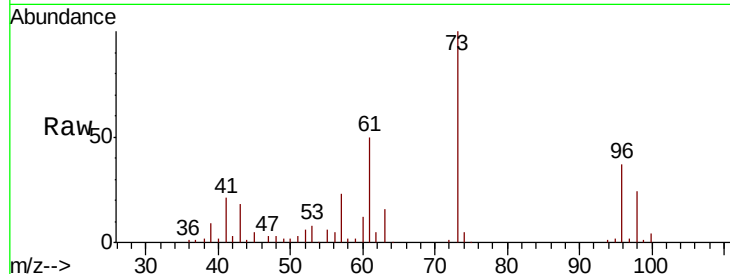




#19
Methyl tert-butyl Ether
Concen: 21.459 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

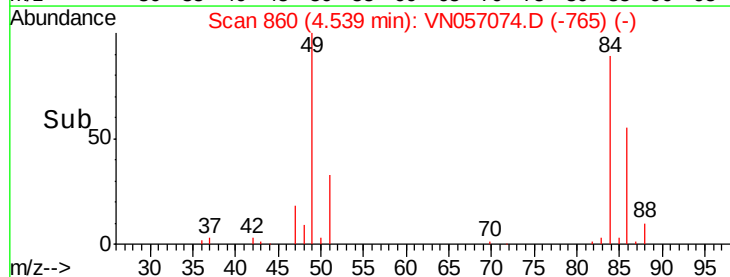
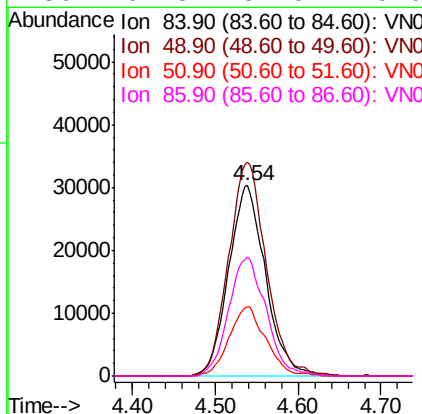
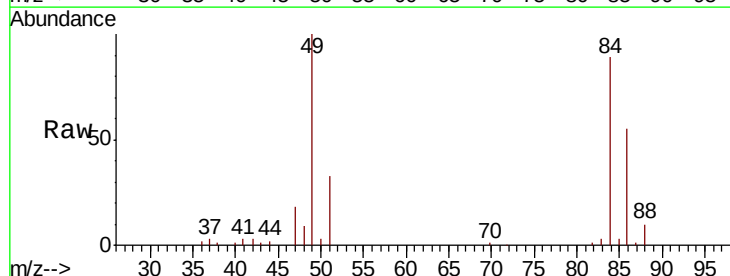
Instrument :
MSVOA_N
ClientSampled :

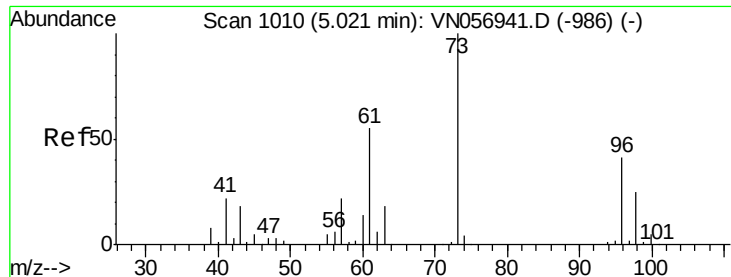
Tot Ion: 73 Resp: 248959
Ion Ratio Lower Upper
73 100
57 22.9 18.3 27.5



#20
Methylene Chloride
Concen: 19.825 ug/l
RT: 4.54 min Scan# 860
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 84 Resp: 93746
Ion Ratio Lower Upper
84 100
49 112.3 95.2 142.8
51 36.7 29.7 44.5
86 62.3 51.0 76.6

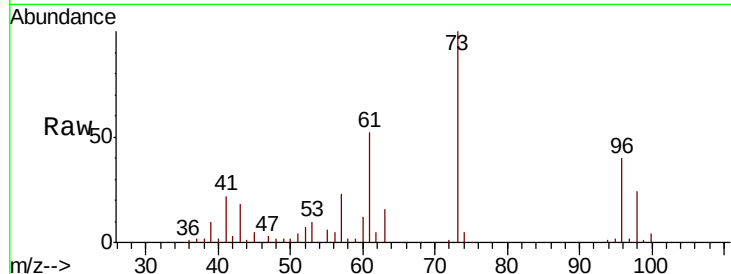




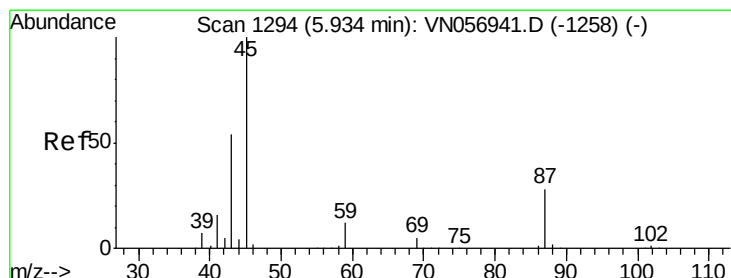
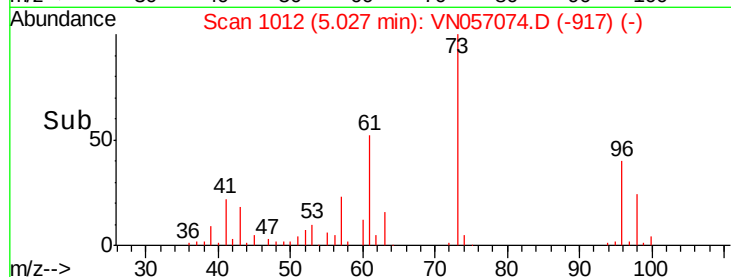
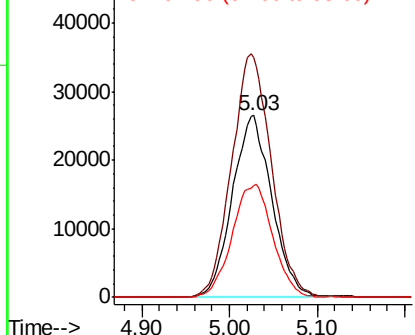
#21
trans-1,2-Dichloroethene
Concen: 20.091 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 83021
Ion Ratio Lower Upper
96 100
61 131.7 107.5 161.3
98 61.6 49.9 74.9

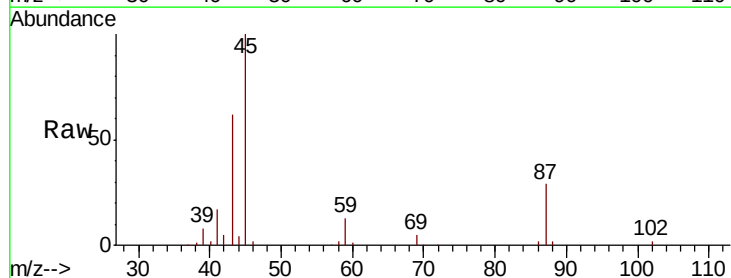


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

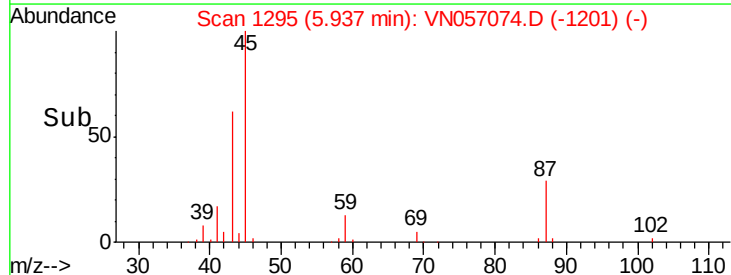
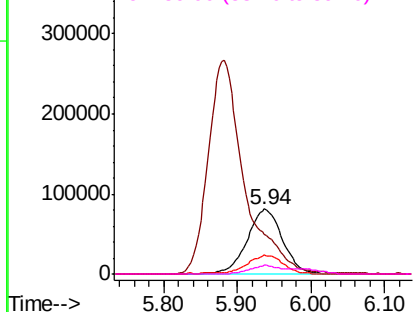


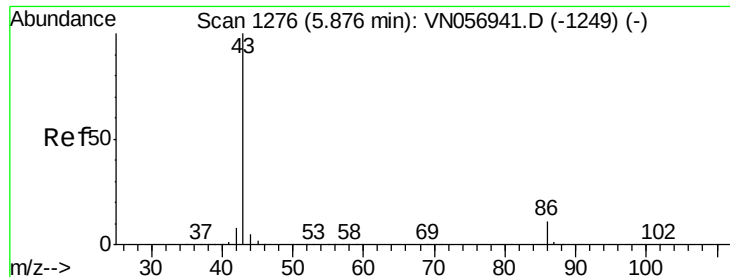
#22
Diisopropyl ether
Concen: 20.701 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 45 Resp: 269958
Ion Ratio Lower Upper
45 100
43 60.1 44.7 67.1
87 28.7 23.0 34.6
59 12.7 9.8 14.8



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





#23

Vinyl Acetate

Concen: 101.338 ug/l

RT: 5.88 min Scan# 1278

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

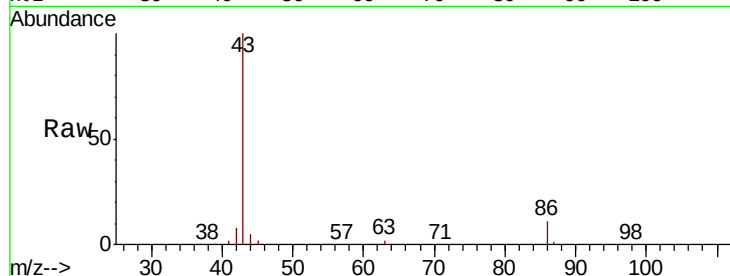
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 915635

Ion Ratio Lower Upper

43 100

86 11.1 8.5 12.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1249) (-)

Ion 86.00 (85.70 to 86.70): VN056941.D (-1249) (-)

5.88

300000

250000

200000

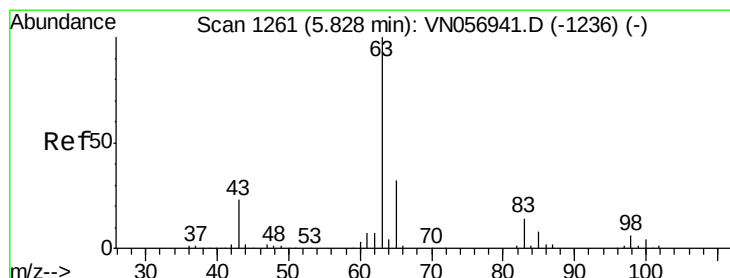
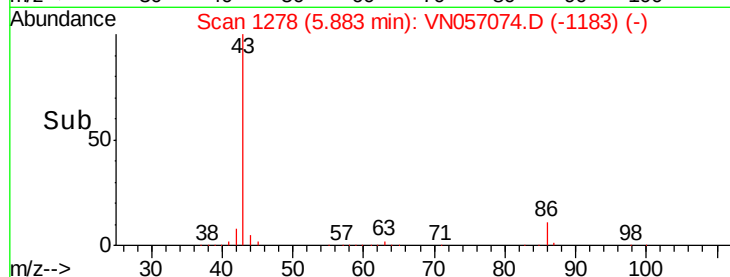
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.458 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

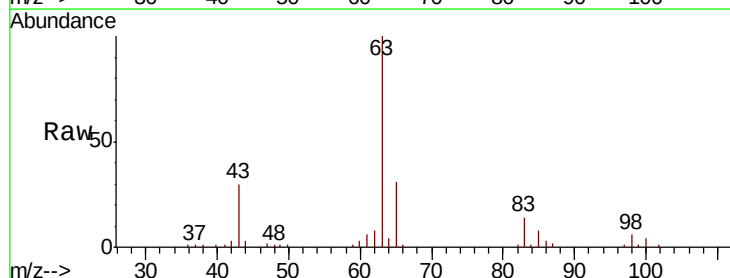
Tgt Ion: 63 Resp: 157407

Ion Ratio Lower Upper

63 100

98 6.3 3.2 9.6

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN056941.D (-1236) (-)

Ion 97.90 (97.60 to 98.60): VN056941.D (-1236) (-)

Ion 99.90 (99.60 to 100.60): VN056941.D (-1236) (-)

5.84

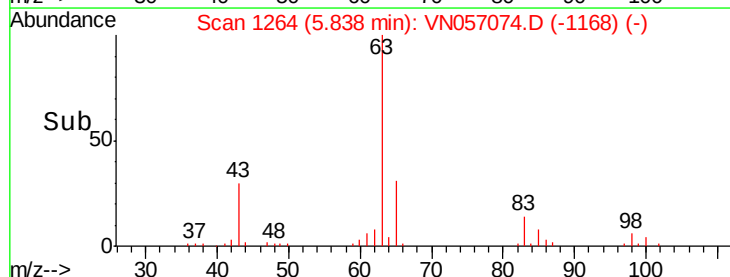
60000

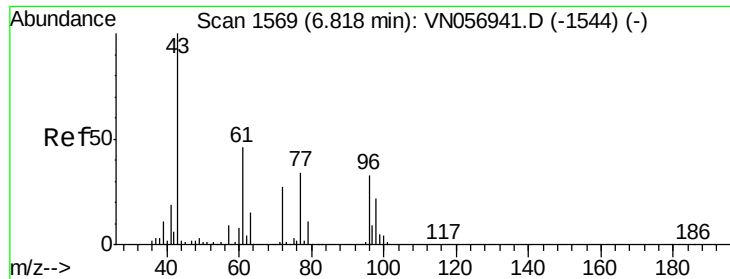
40000

20000

0

Time--> 5.70 5.80 5.90

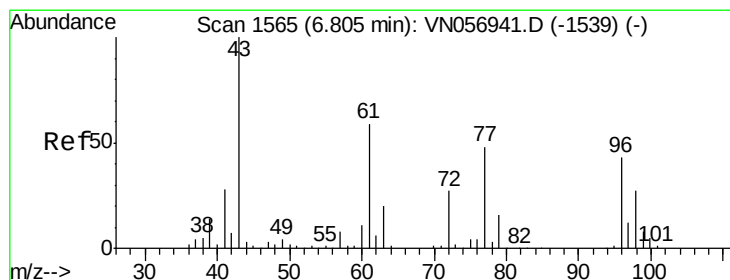
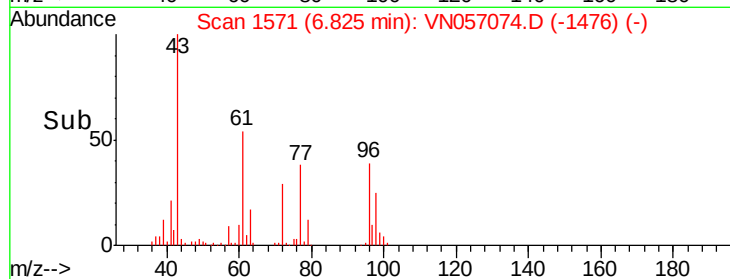
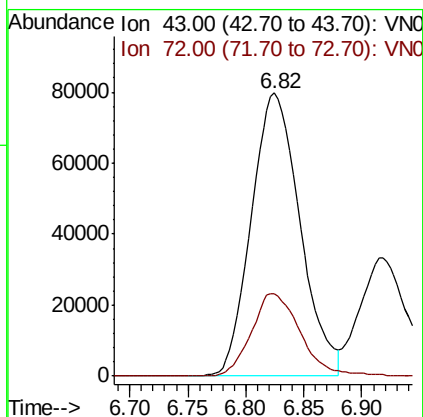
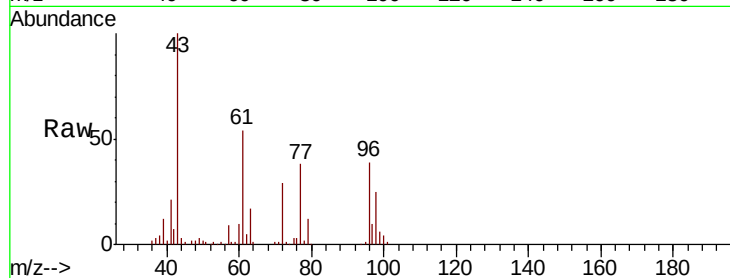




#25
2-Butanone
Concen: 99.794 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

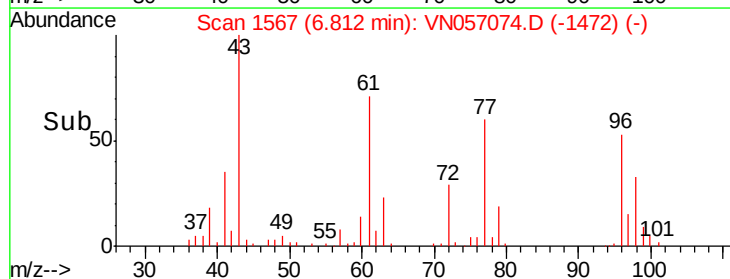
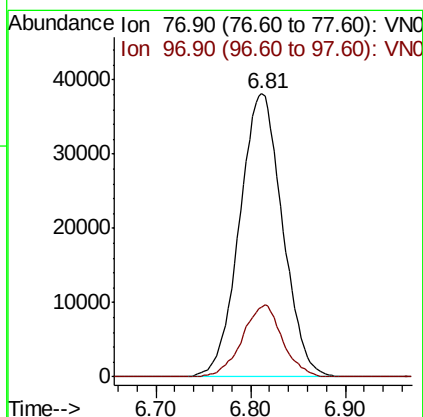
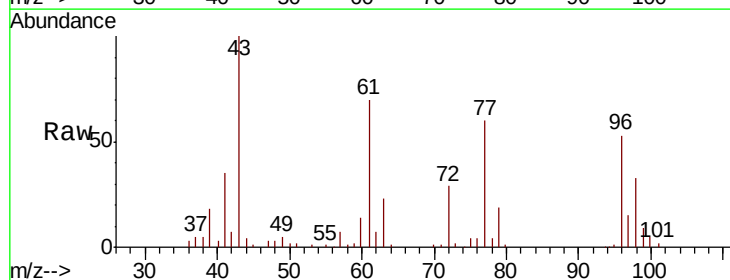
Instrument :
MSVOA_N
ClientSampled :

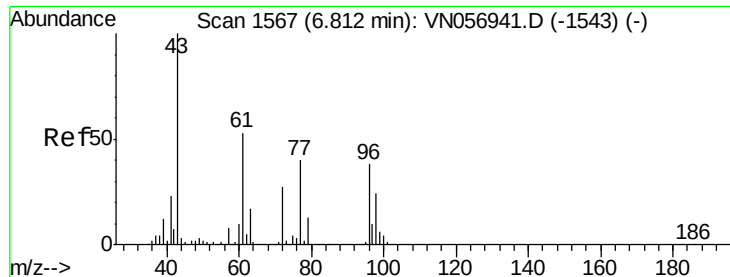
Tot Ion: 43 Resp: 232295
Ion Ratio Lower Upper
43 100
72 29.1 21.5 32.3



#26
2,2-Dichloropropane
Concen: 20.515 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 77 Resp: 120020
Ion Ratio Lower Upper
77 100
97 23.8 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 20.277 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :

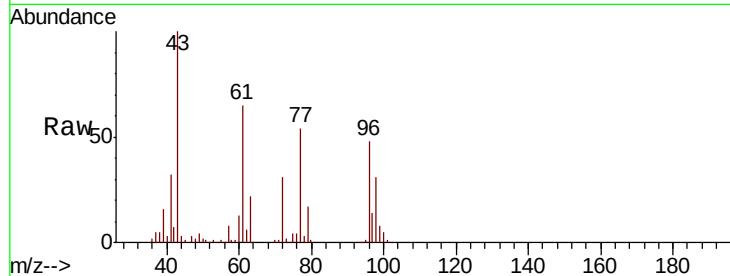
Tot Ion: 96 Resp: 99107

Ion Ratio Lower Upper

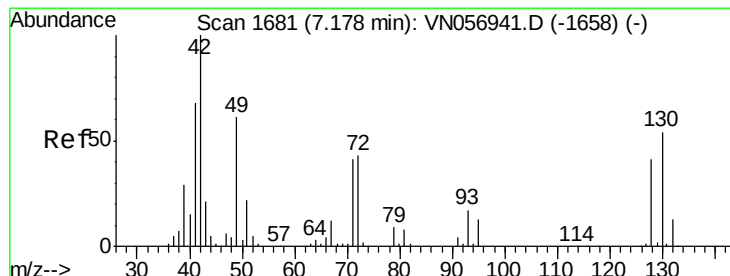
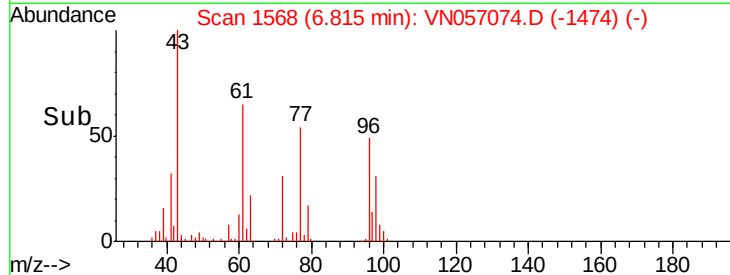
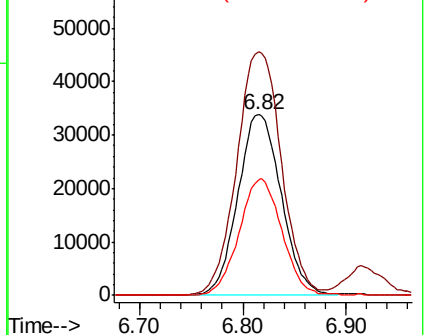
96 100

61 138.4 0.0 277.2

98 63.2 0.0 128.4



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



#28

Bromochloromethane

Concen: 18.906 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

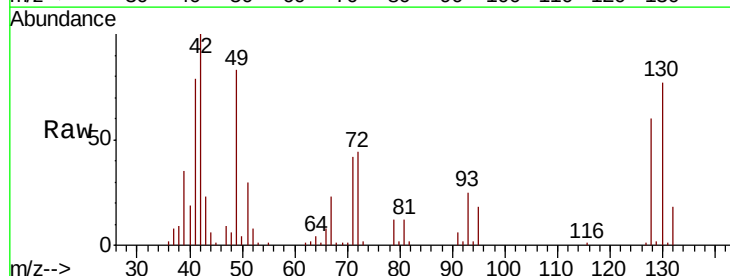
Tgt Ion: 49 Resp: 68374

Ion Ratio Lower Upper

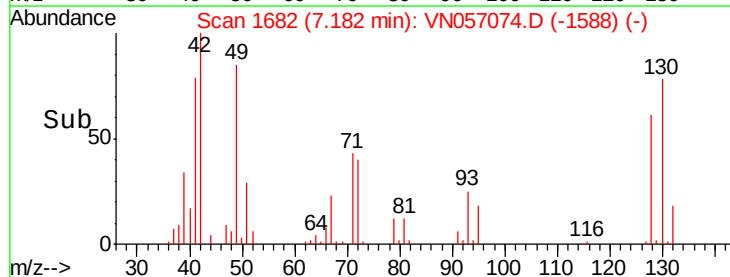
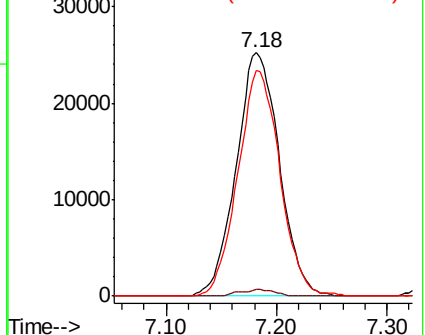
49 100

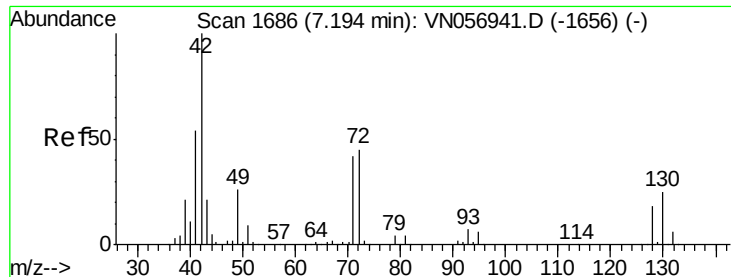
129 2.2 0.0 4.6

130 90.2 69.0 103.4



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

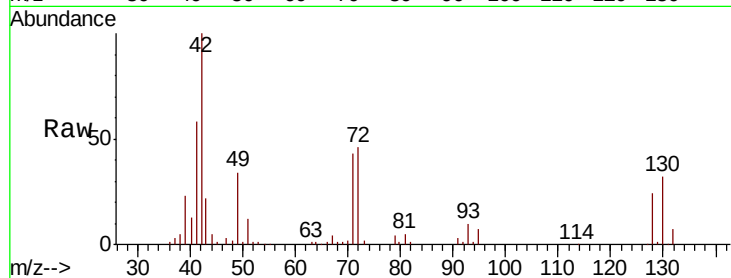




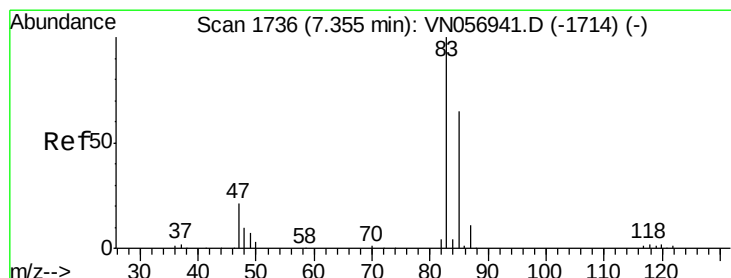
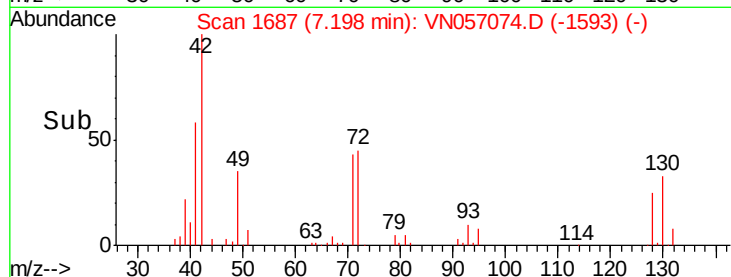
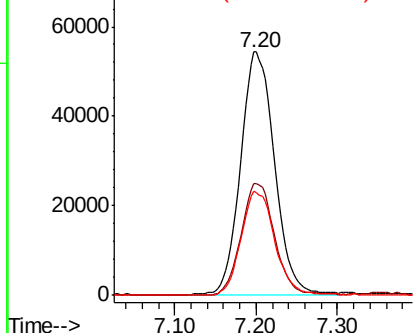
#29
Tetrahydrofuran
Concen: 103.648 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 157414
Ion Ratio Lower Upper
42 100
72 44.5 35.6 53.4
71 42.0 33.5 50.3

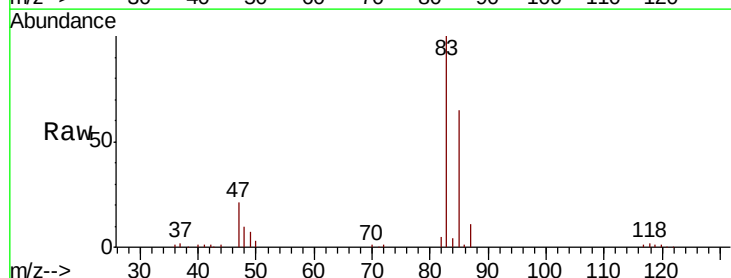


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

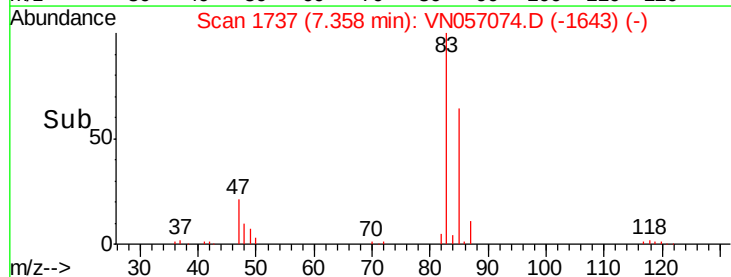
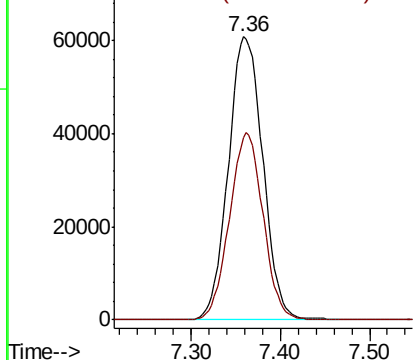


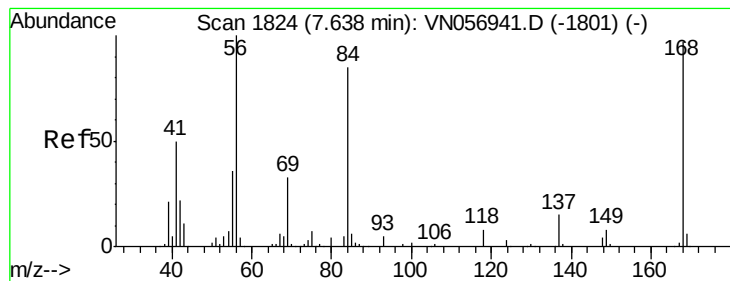
#30
Chloroform
Concen: 20.780 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 83 Resp: 163470
Ion Ratio Lower Upper
83 100
85 64.5 52.2 78.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.084 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :

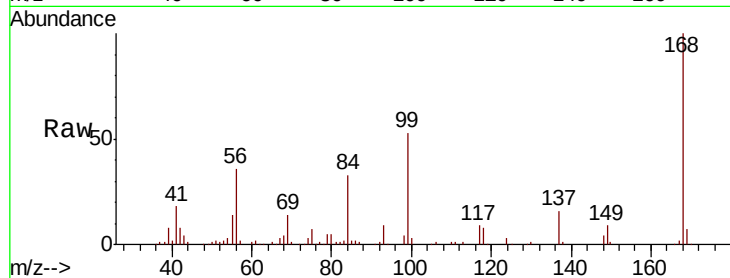
Tot Ion: 56 Resp: 134642

Ion Ratio Lower Upper

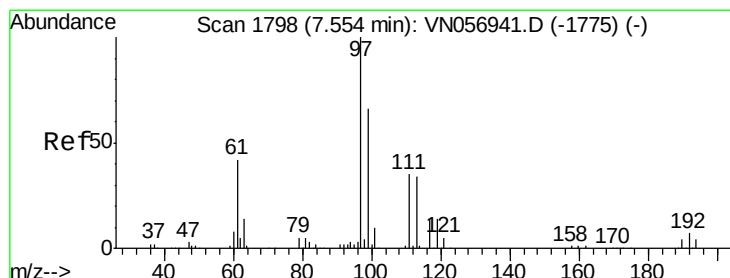
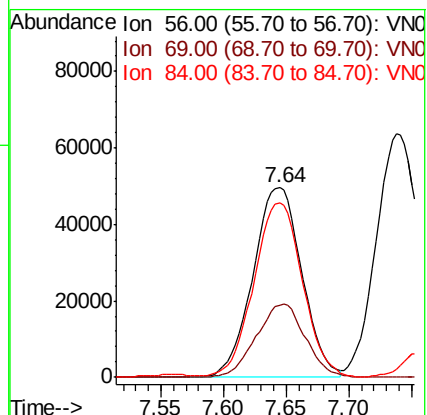
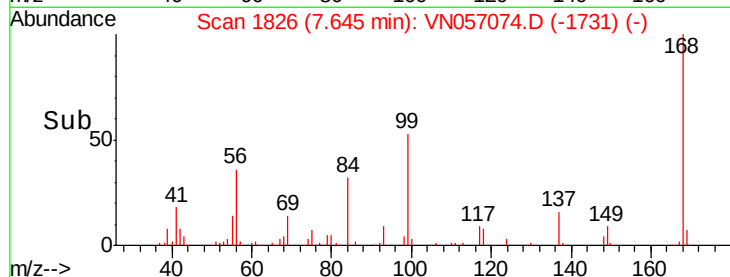
56 100

69 37.8 26.2 39.2

84 91.1 68.2 102.2



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 21.280 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

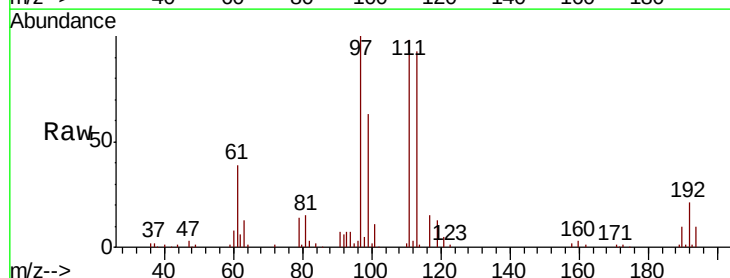
Tgt Ion: 97 Resp: 133572

Ion Ratio Lower Upper

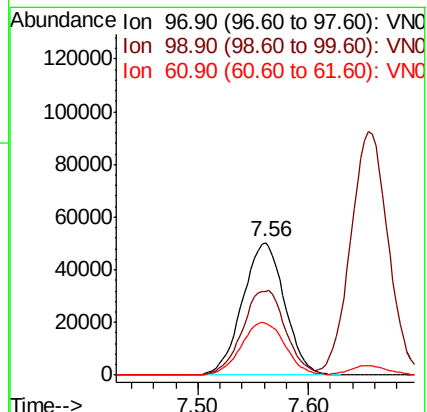
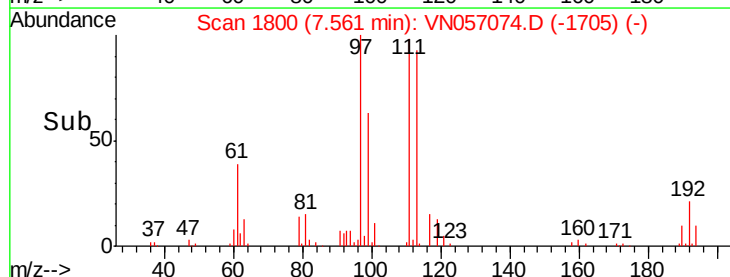
97 100

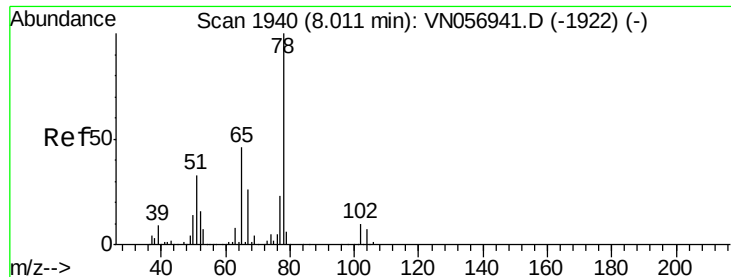
99 65.0 52.3 78.5

61 41.3 33.9 50.9



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

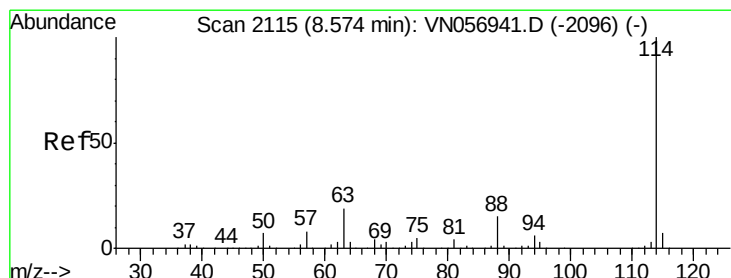
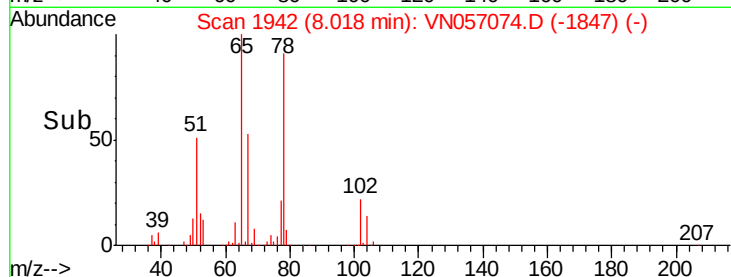
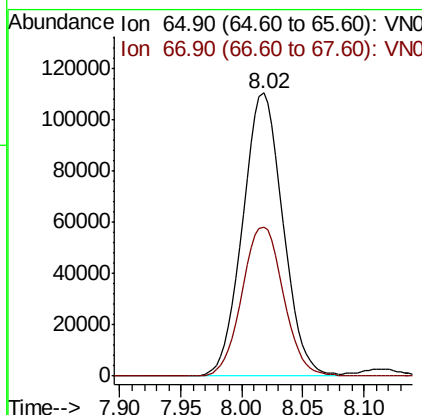
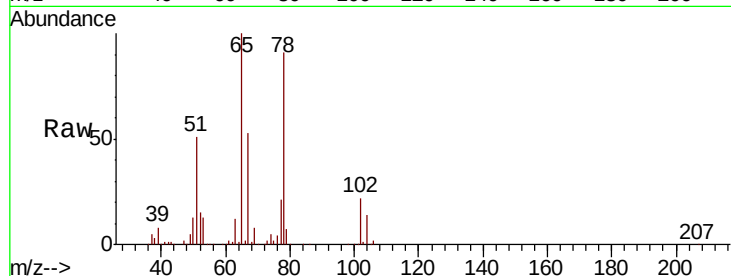




#33
 1,2-Dichloroethane-d4
 Concen: 55.668 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.01 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

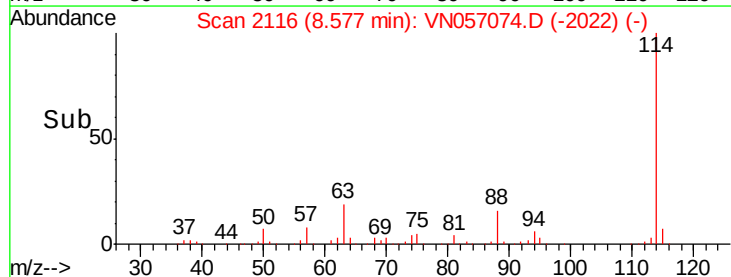
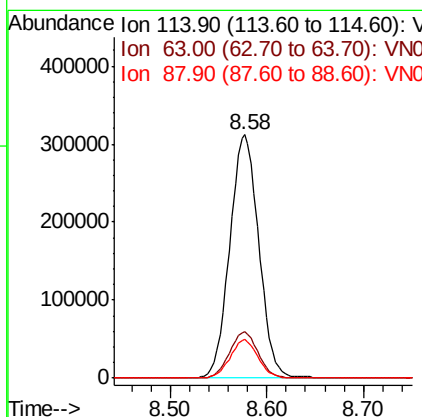
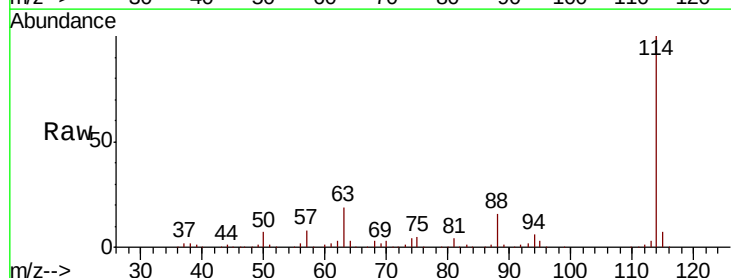
Instrument :
 MSVOA_N
 ClientSampleId :

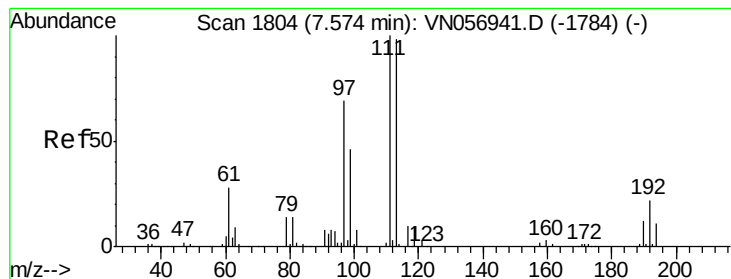
Tot Ion: 65 Resp: 252249
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion: 114 Resp: 650448
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.0
 88 15.7 0.0 30.0





#35

Dibromofluoromethane

Concen: 55.922 ug/l

RT: 7.58 min Scan# 1806

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampleId :

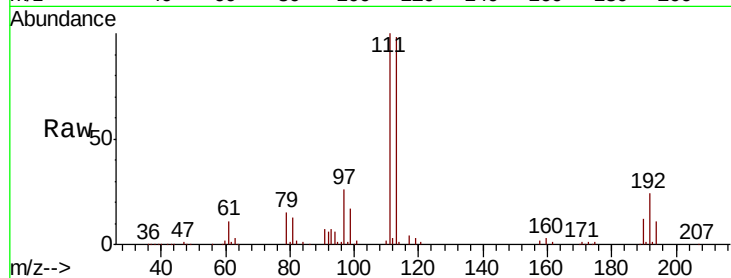
Tot Ion:113 Resp: 232855

Ion Ratio Lower Upper

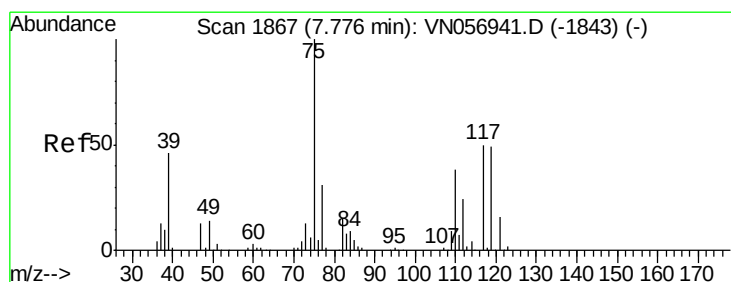
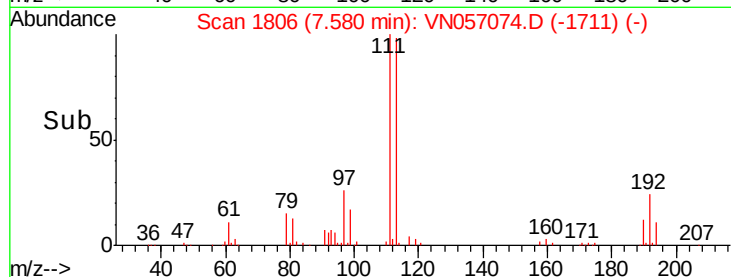
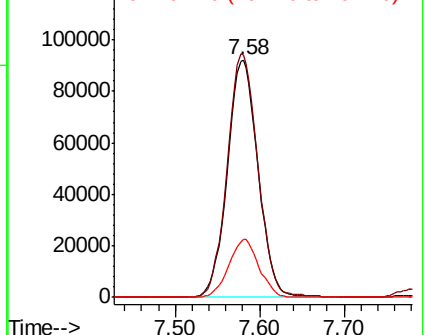
113 100

111 102.6 82.0 123.0

192 23.9 18.4 27.6



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: 20.081 ug/l

RT: 7.78 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

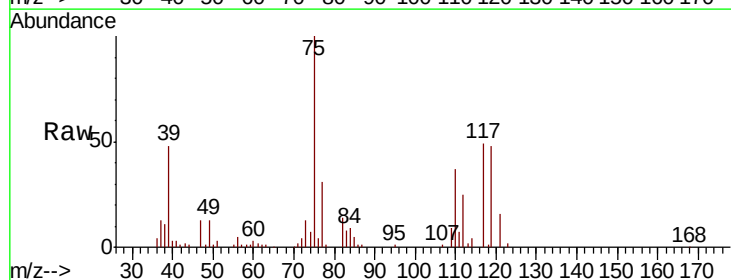
Tgt Ion: 75 Resp: 114931

Ion Ratio Lower Upper

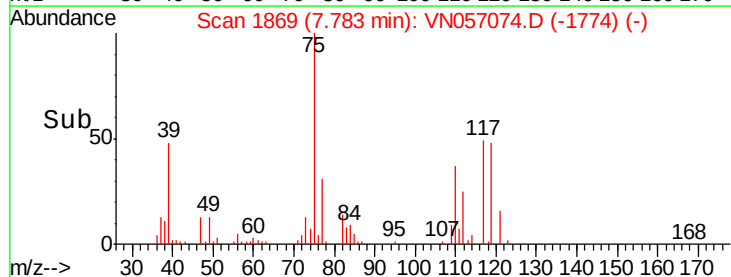
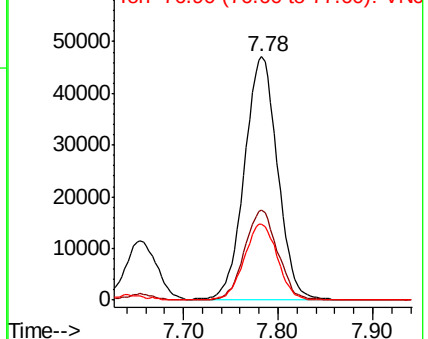
75 100

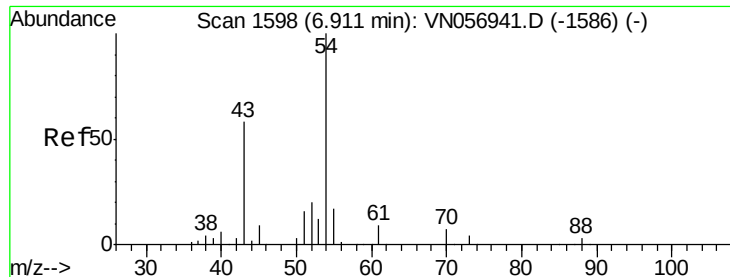
110 36.9 18.6 55.8

77 31.2 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VN0

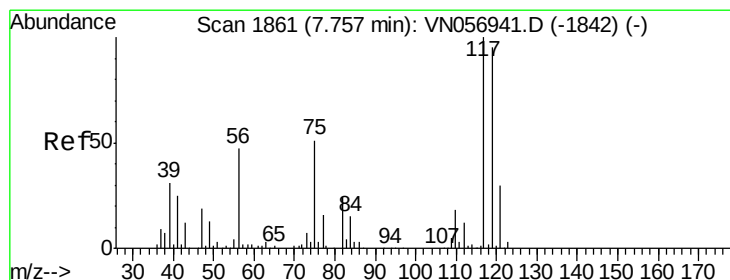
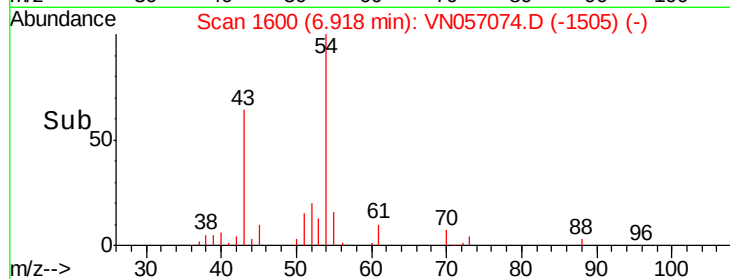
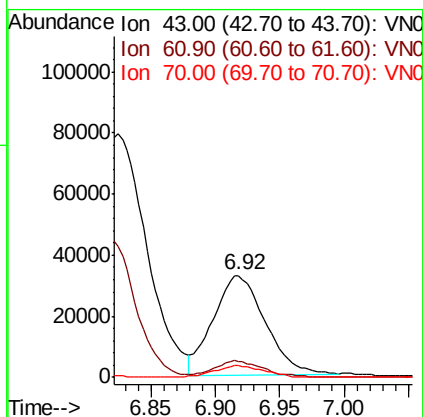
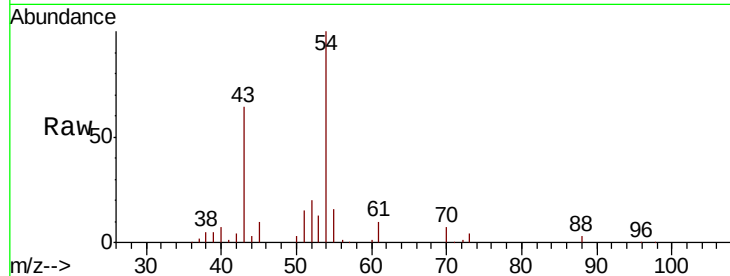




#37
Ethyl Acetate
Concen: 19.831 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

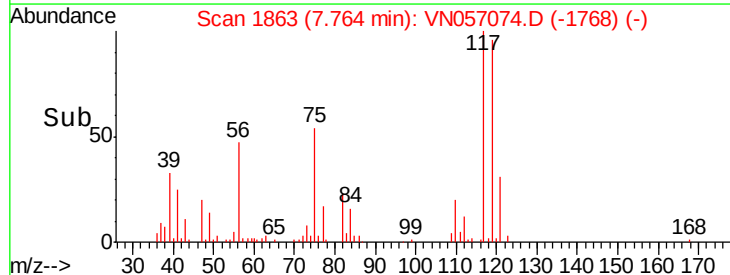
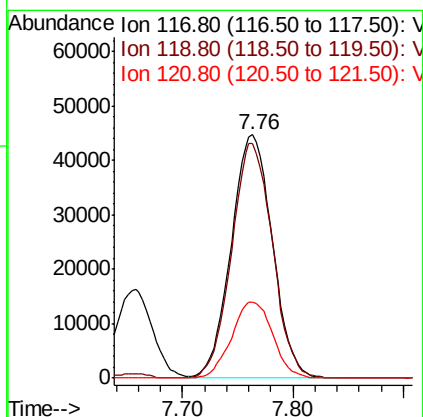
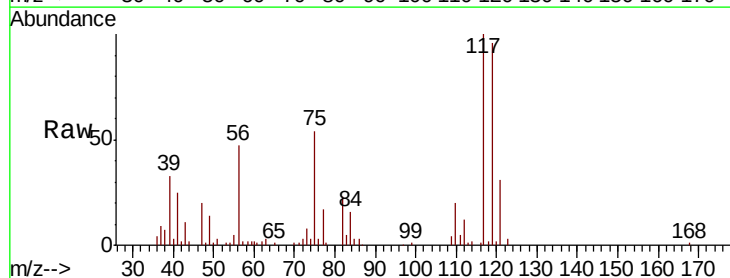
Instrument :
MSVOA_N
ClientSampled :

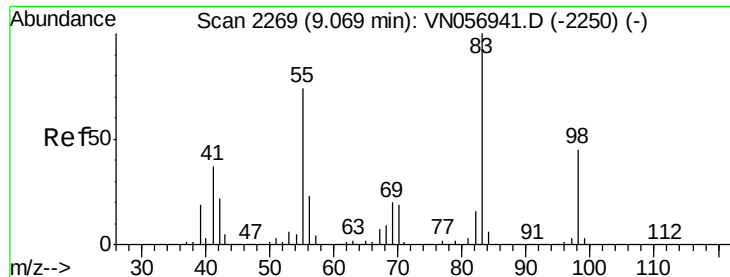
Tot Ion: 43 Resp: 90907
Ion Ratio Lower Upper
43 100
61 16.0 11.8 17.6
70 11.4 8.5 12.7



#38
Carbon Tetrachloride
Concen: 21.398 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 117 Resp: 115848
Ion Ratio Lower Upper
117 100
119 96.1 75.3 112.9
121 31.3 24.2 36.4

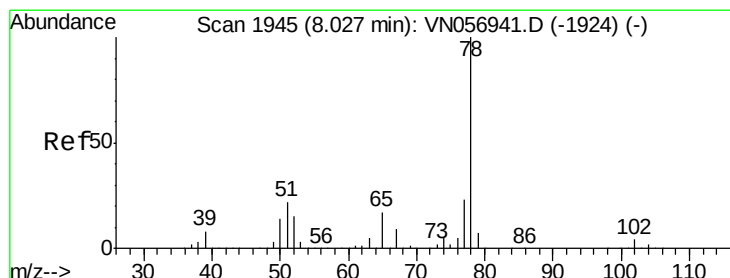
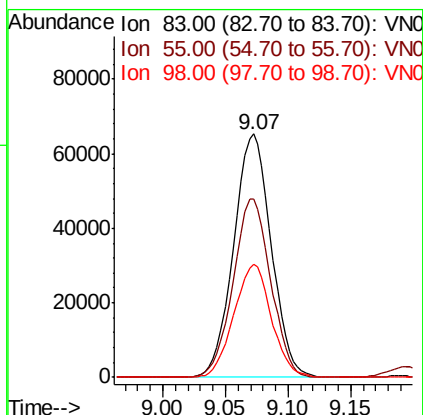
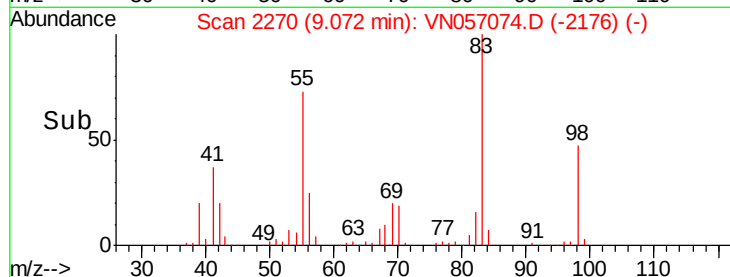
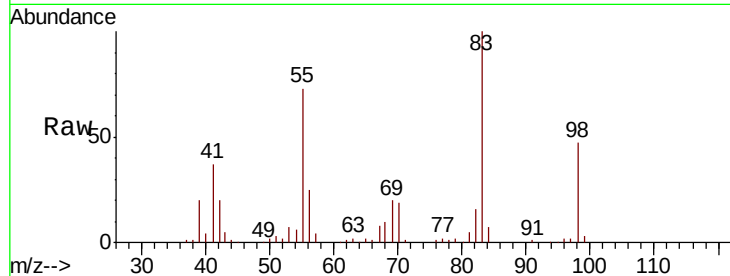




#39
Methvlcvclohexane
Concen: 18.594 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

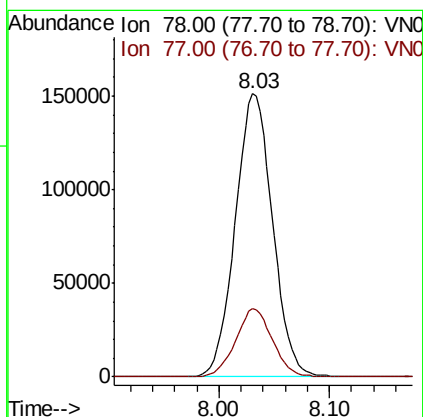
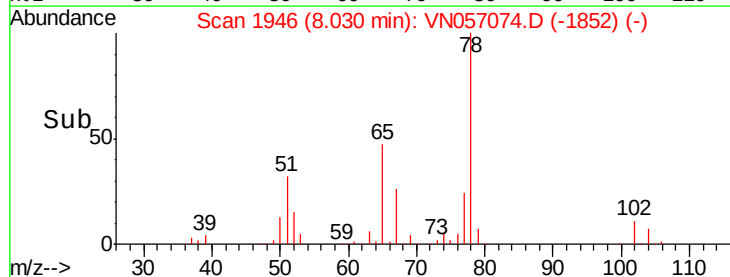
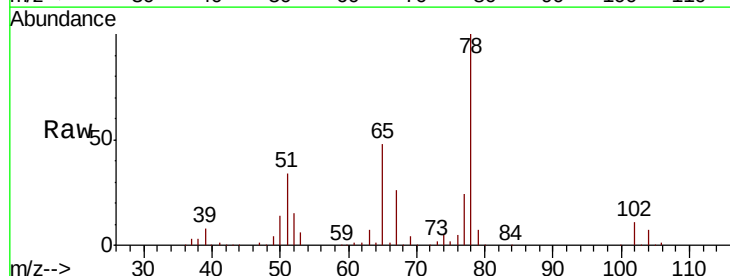
Instrument :
MSVOA_N
ClientSampled :

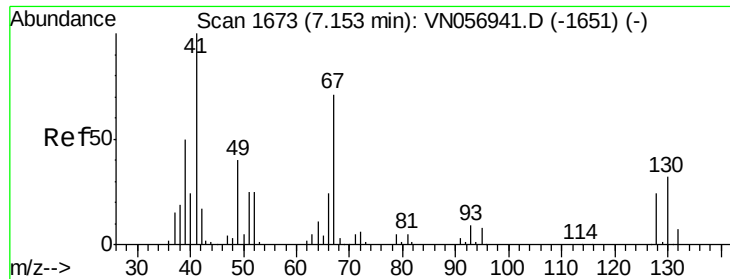
Tot Ion: 83 Resp: 136014
Ion Ratio Lower Upper
83 100
55 73.2 59.0 88.6
98 46.6 36.2 54.4



#40
Benzene
Concen: 20.084 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 78 Resp: 354057
Ion Ratio Lower Upper
78 100
77 24.0 18.3 27.5

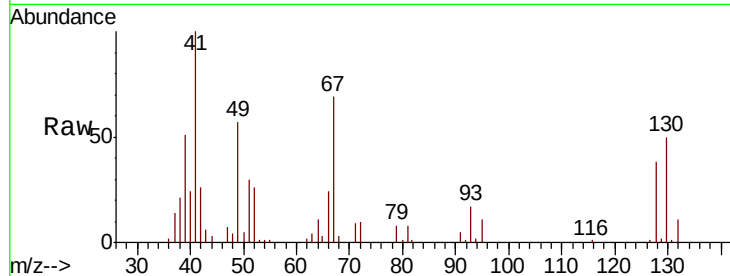




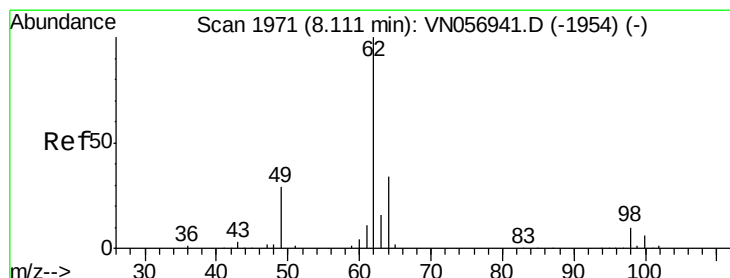
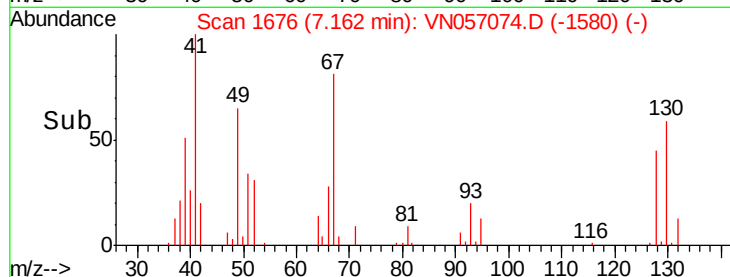
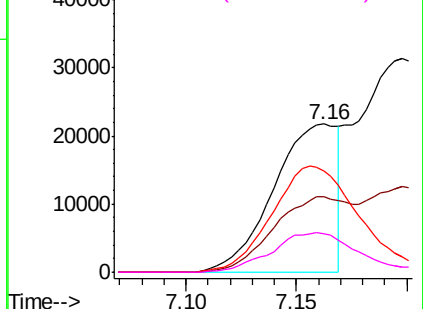
#41
Methacrylonitrile
Concen: 20.665 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 43791
Ion Ratio Lower Upper
41 100
39 59.9 48.9 73.3
67 97.3 83.4 125.0
52 37.1 30.9 46.3

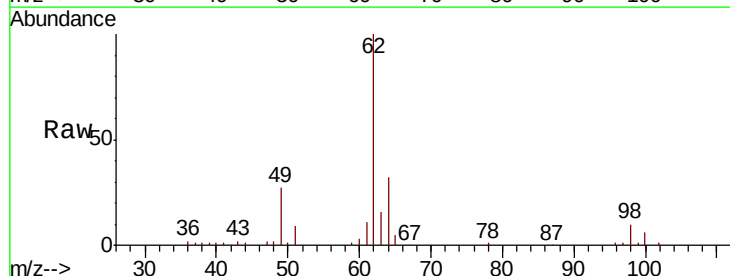


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

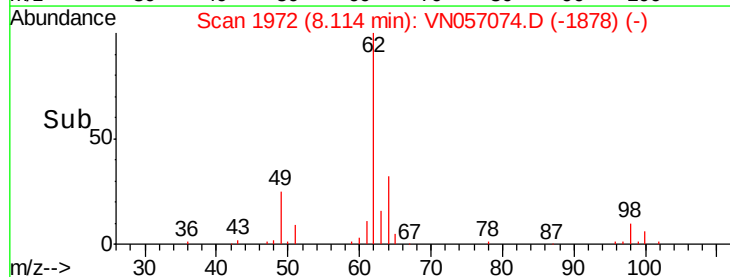
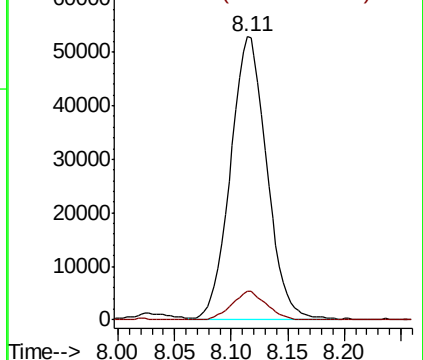


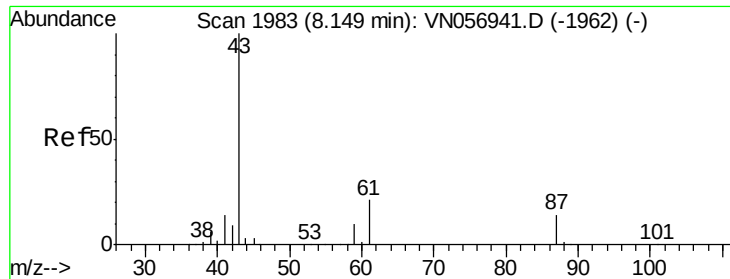
#42
1,2-Dichloroethane
Concen: 21.307 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 62 Resp: 117722
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.6



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





#43

Isopropyl Acetate

Concen: 20.740 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

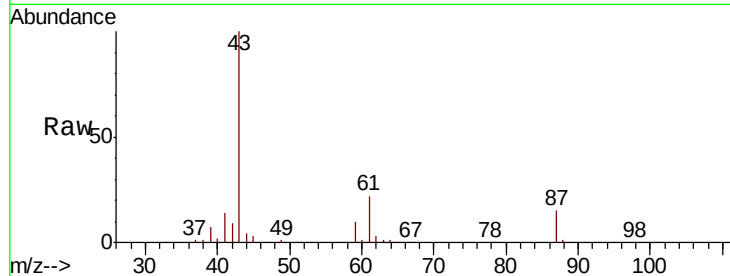
Tot Ion: 43 Resp: 157139

Ion Ratio Lower Upper

43 100

61 30.0 23.0 34.6

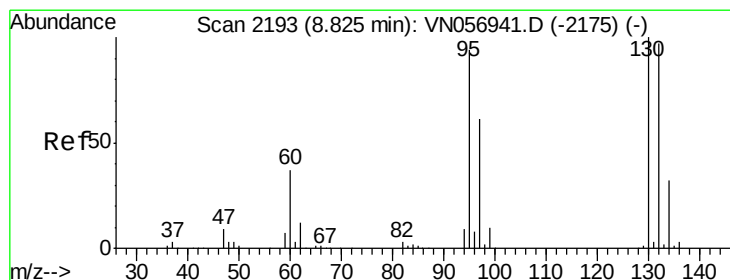
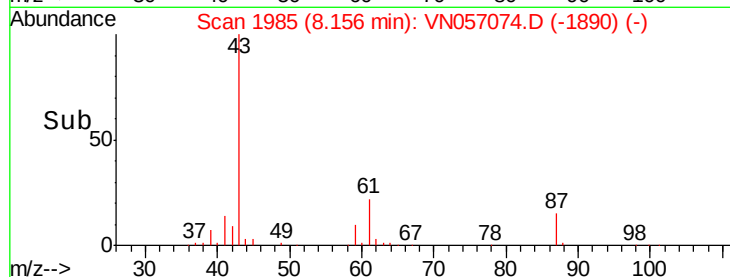
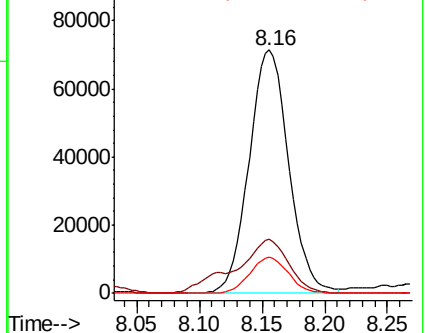
87 14.5 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN056941.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN056941.D (-1962) (-)



#44

Trichloroethene

Concen: 20.784 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057074.D

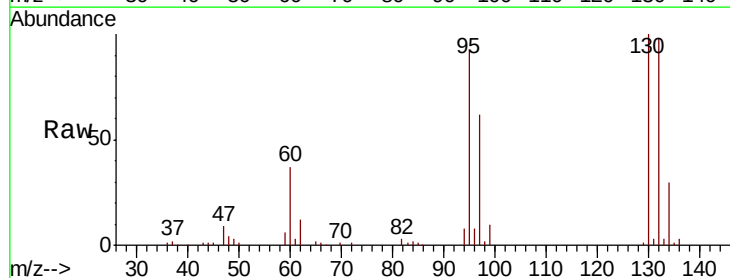
Acq: 5 Aug 2019 11:32

Tgt Ion:130 Resp: 100942

Ion Ratio Lower Upper

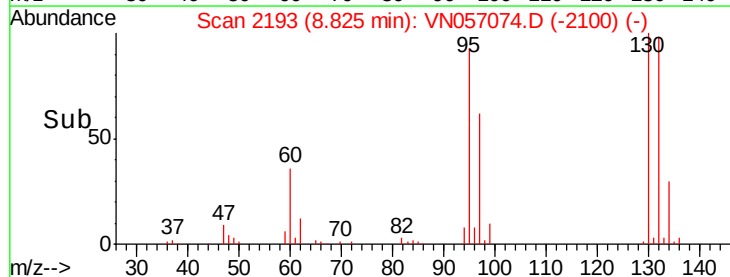
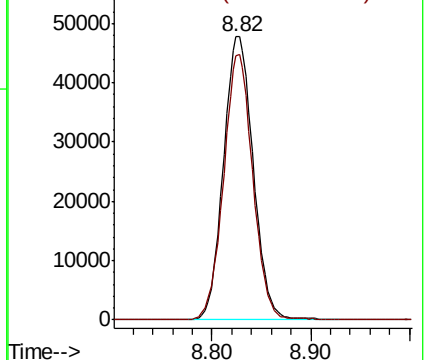
130 100

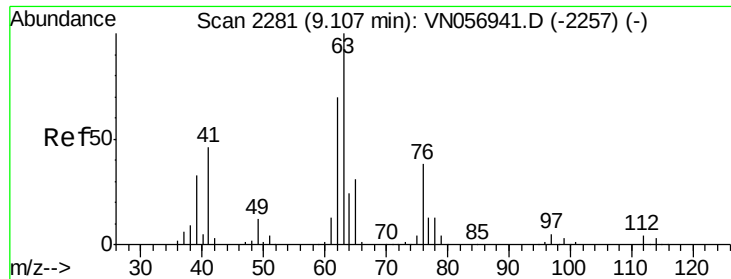
95 93.3 0.0 189.0



Abundance Ion 129.80 (129.50 to 130.50): VN056941.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN056941.D (-2175) (-)

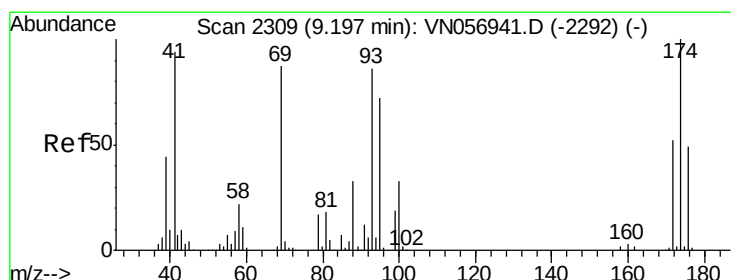
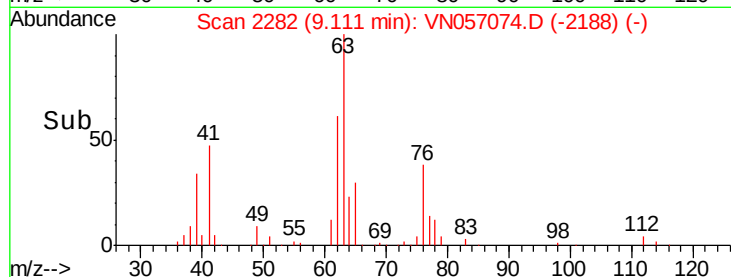
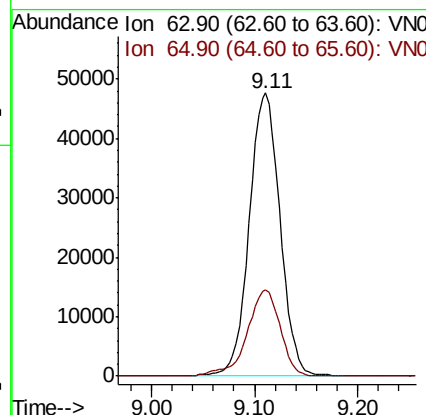
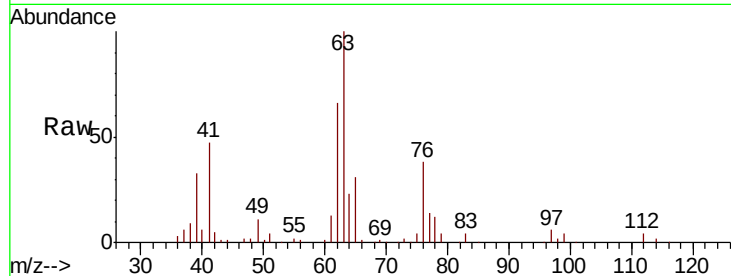




#45
 1,2-Dichloropropane
 Concen: 20.926 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

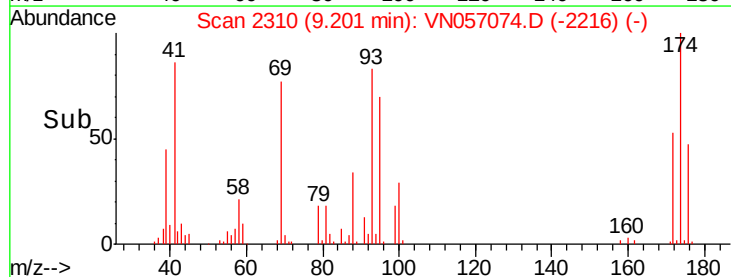
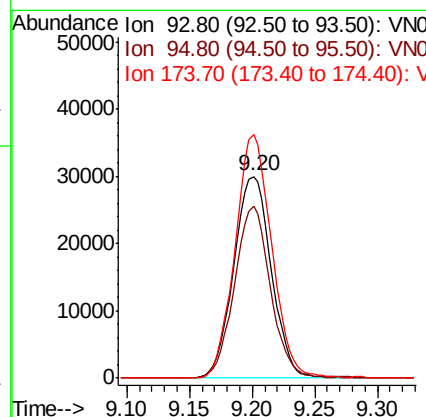
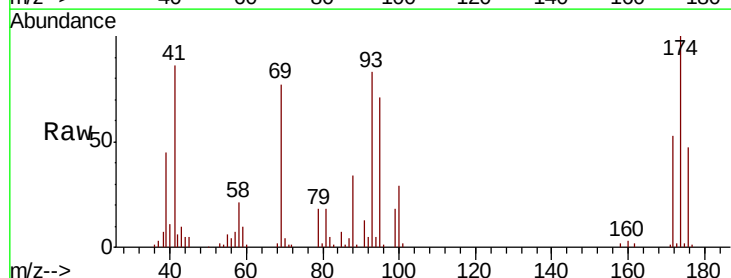
Instrument :
 MSVOA_N
 ClientSampleId :

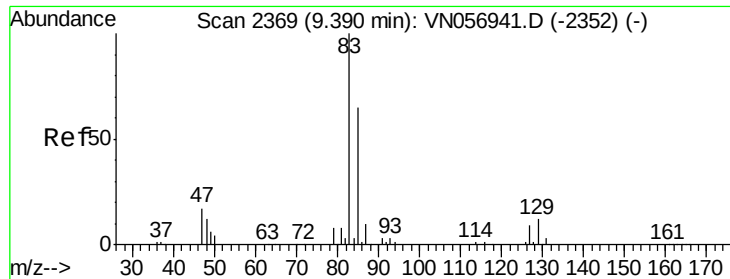
Tot Ion: 63 Resp: 98673
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.8 37.2



#46
 Dibromomethane
 Concen: 21.922 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion: 93 Resp: 62338
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.0 100.6
 174 117.7 92.7 139.1





#47

Bromodichloromethane

Concen: 21.367 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

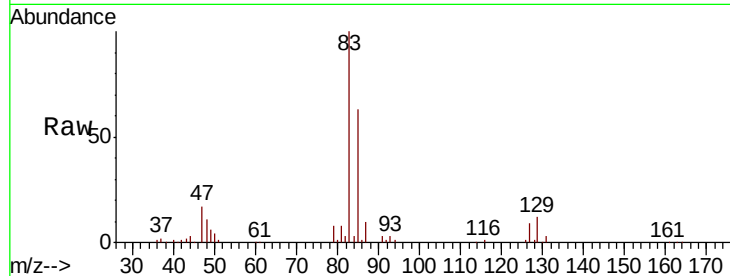
Tot Ion: 83 Resp: 119460

Ion Ratio Lower Upper

83 100

85 63.0 51.6 77.4

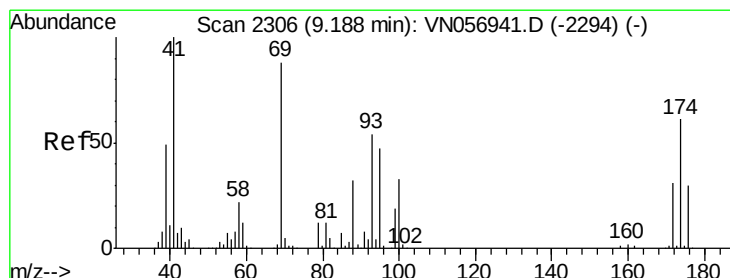
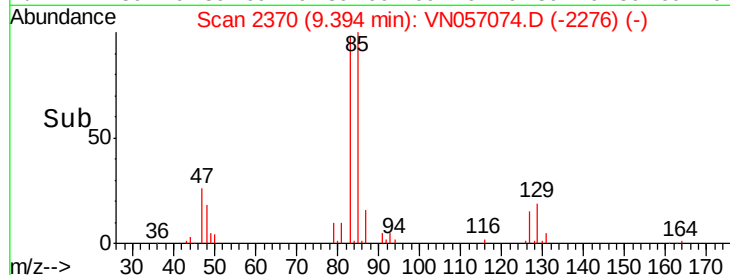
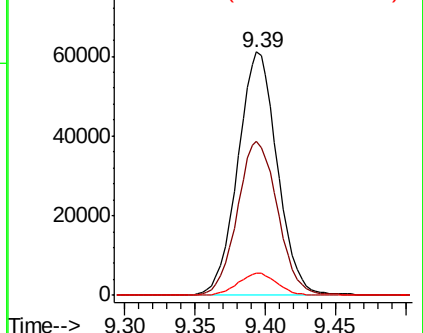
127 9.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN056941.D (-2352) (-)



#48

Methyl methacrylate

Concen: 20.683 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

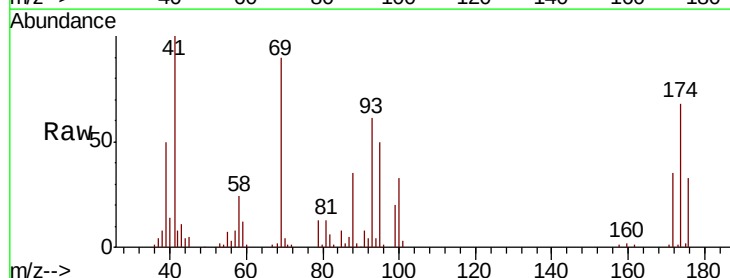
Tgt Ion: 41 Resp: 75659

Ion Ratio Lower Upper

41 100

69 94.9 73.4 110.0

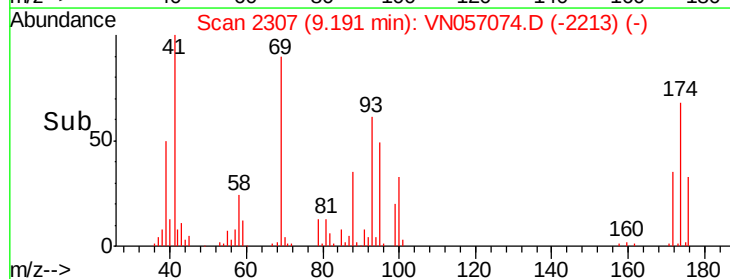
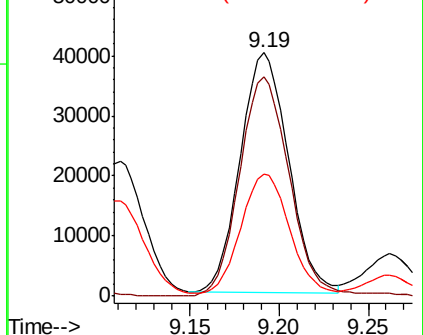
39 51.5 39.9 59.9

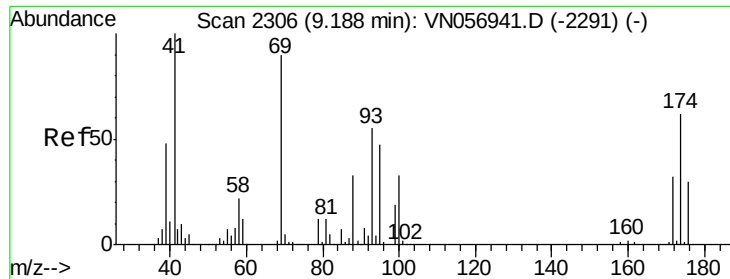


Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-2294) (-)

Ion 69.00 (68.70 to 69.70): VN056941.D (-2294) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-2294) (-)

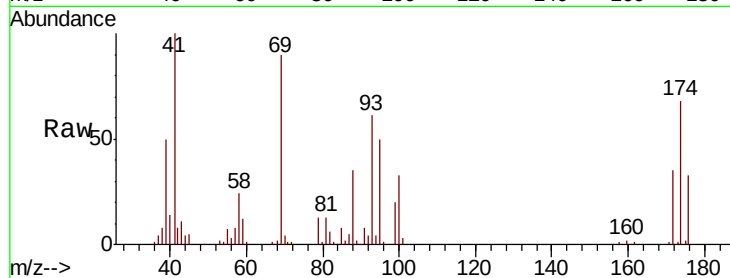




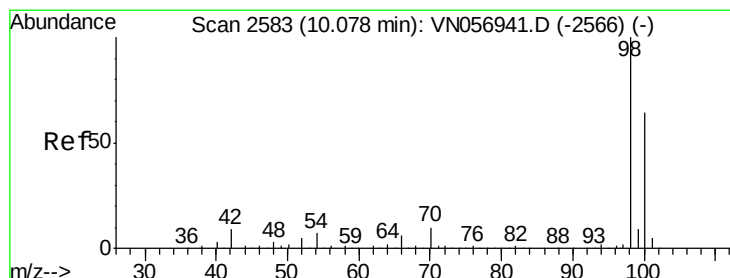
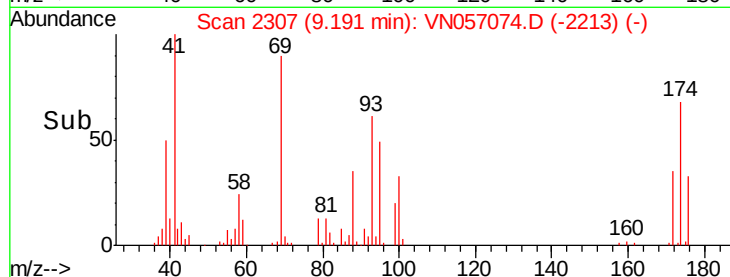
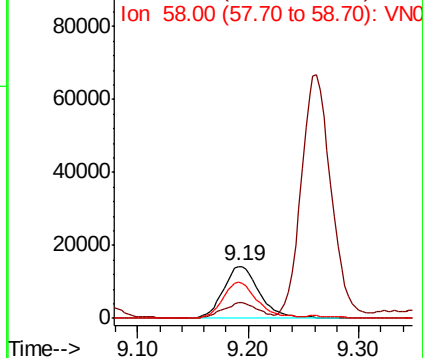
#49
1,4-Dioxane
Concen: 429.356 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 32366
Ion Ratio Lower Upper
88 100
43 26.8 22.2 33.2
58 66.9 54.1 81.1

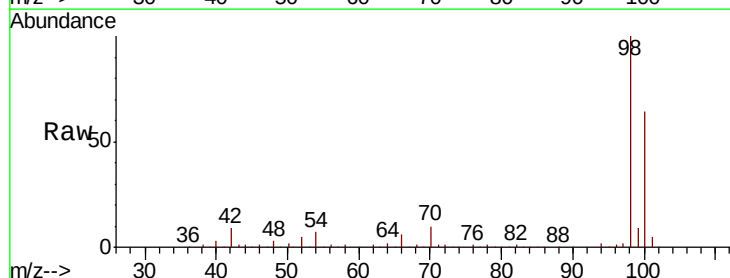


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

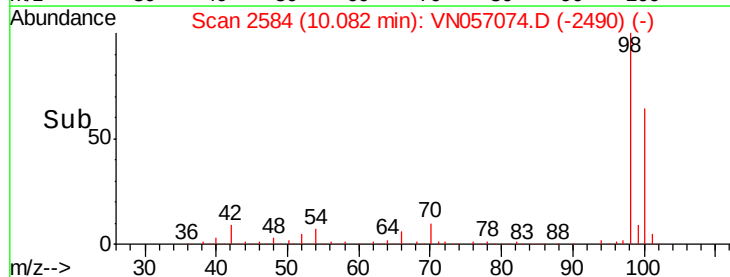
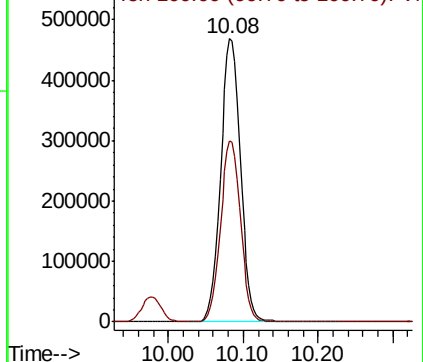


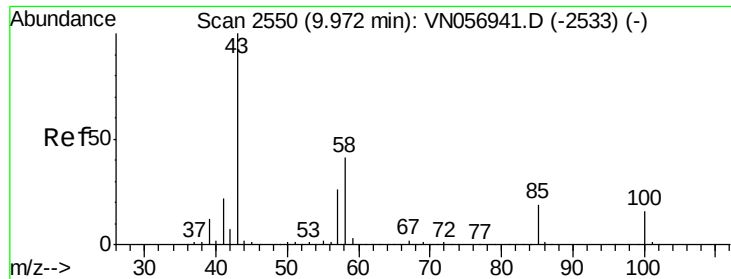
#50
Toluene-d8
Concen: 54.062 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 98 Resp: 858457
Ion Ratio Lower Upper
98 100
100 64.0 51.3 76.9



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





#51

4-Methyl-2-Pentanone

Concen: 103.848 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

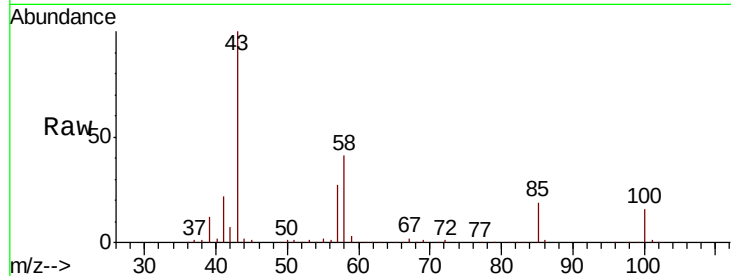
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 467495

Ion Ratio Lower Upper

43 100

58 41.4 33.1 49.7



Abundance Ion 43.00 (42.70 to 43.70): VN056941.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN056941.D (-2533) (-)

9.98

250000

200000

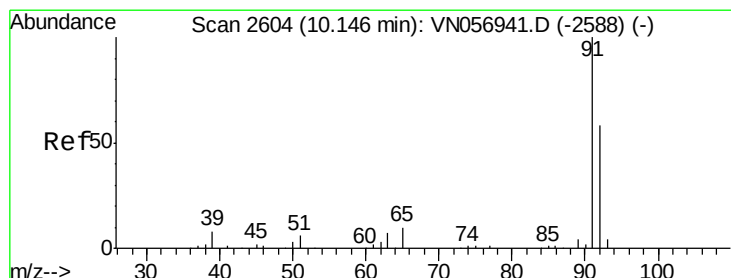
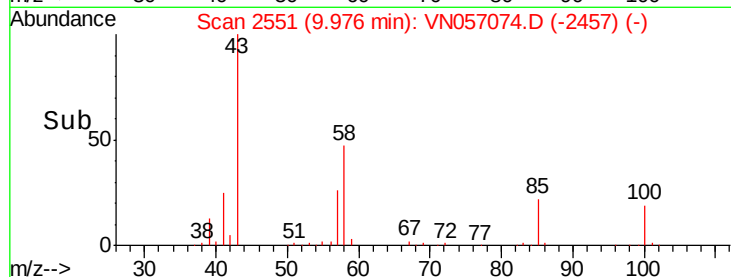
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 20.820 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057074.D

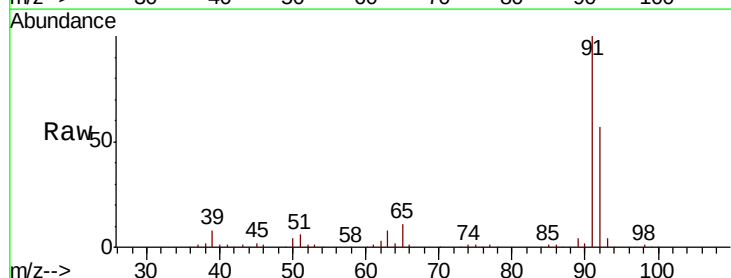
Acq: 5 Aug 2019 11:32

Tgt Ion: 92 Resp: 220511

Ion Ratio Lower Upper

92 100

91 174.0 138.0 207.0



Abundance Ion 92.00 (91.70 to 92.70): VN056941.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN056941.D (-2588) (-)

10.15

250000

200000

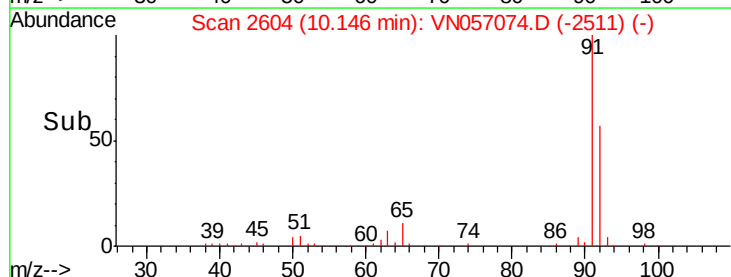
150000

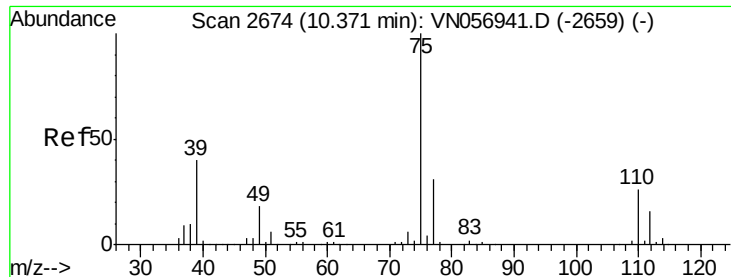
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.614 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

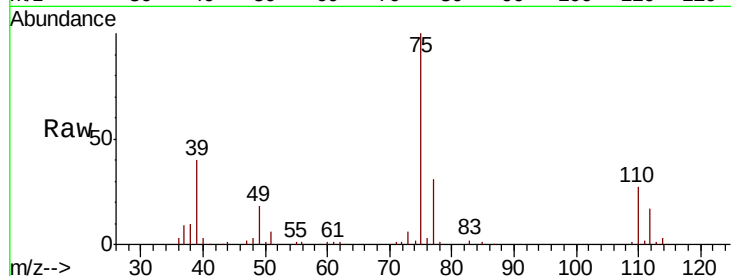
ClientSampleId :

Tot Ion: 75 Resp: 119597

Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN057074.D (-2581) (-)

Ion 76.90 (76.60 to 77.60): VN057074.D (-2581) (-)

10.37

80000

60000

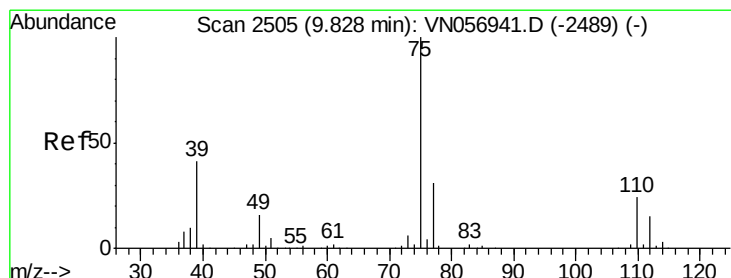
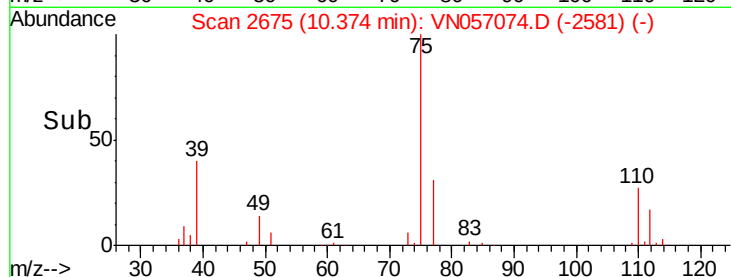
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.864 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

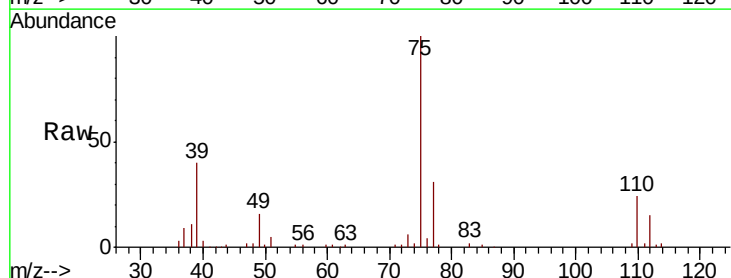
Tgt Ion: 75 Resp: 140741

Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.6

39 40.2 32.6 49.0



Abundance Ion 74.90 (74.60 to 75.60): VN057074.D (-2412) (-)

Ion 76.90 (76.60 to 77.60): VN057074.D (-2412) (-)

Ion 39.00 (38.70 to 39.70): VN057074.D (-2412) (-)

9.83

100000

80000

60000

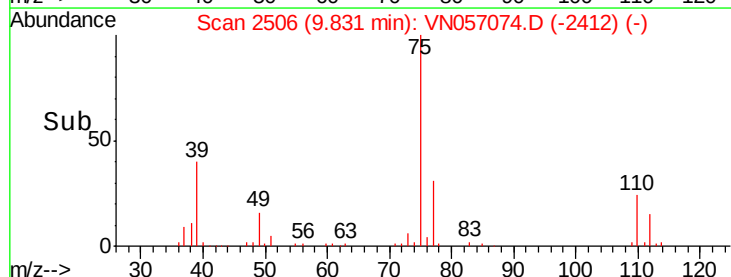
40000

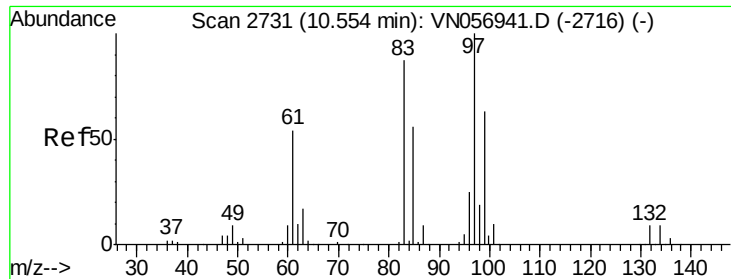
20000

0

9.80 9.90

Time-->

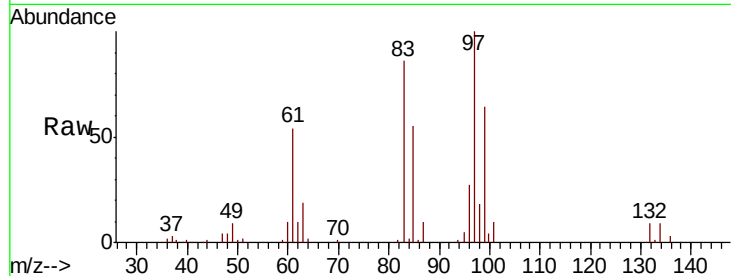




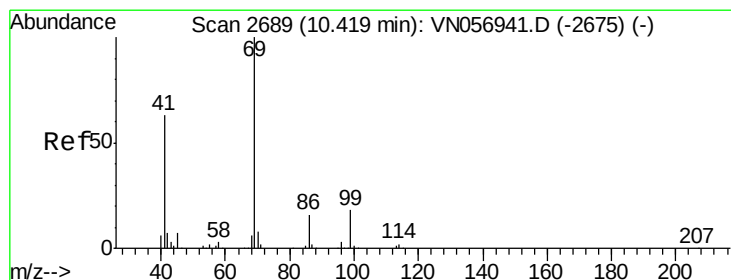
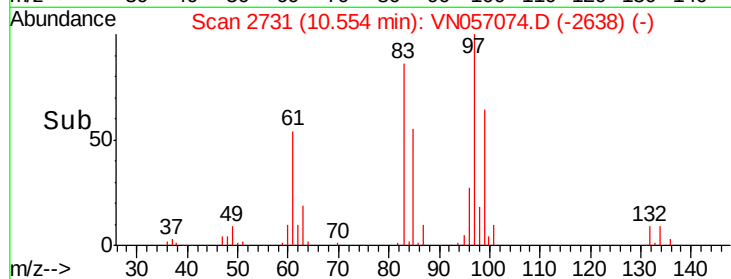
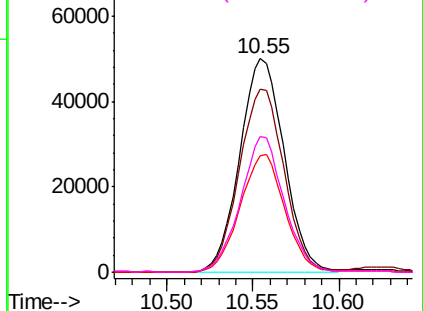
#55
 1,1,2-Trichloroethane
 Concen: 21.116 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:	97	Resp:	89689
Ion	Ratio	Lower	Upper
97	100		
83	85.8	69.4	104.0
85	54.8	44.7	67.1
99	63.6	50.1	75.1

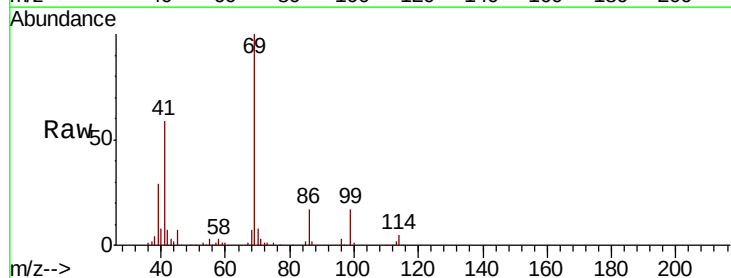


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

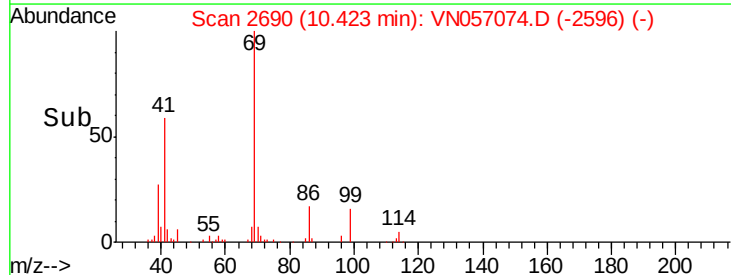
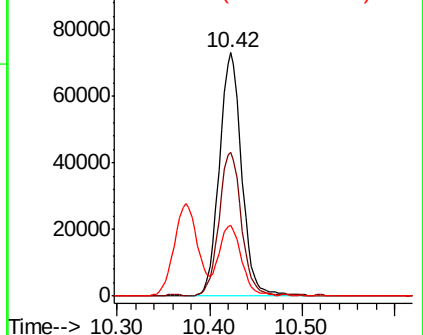


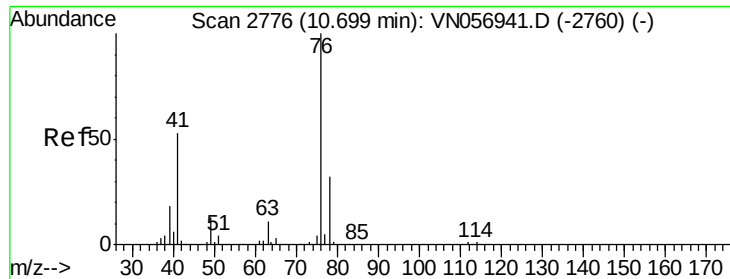
#56
 Ethyl methacrylate
 Concen: 20.190 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion:	69	Resp:	122532
Ion	Ratio	Lower	Upper
69	100		
41	58.6	49.2	73.8
39	28.9	23.1	34.7



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

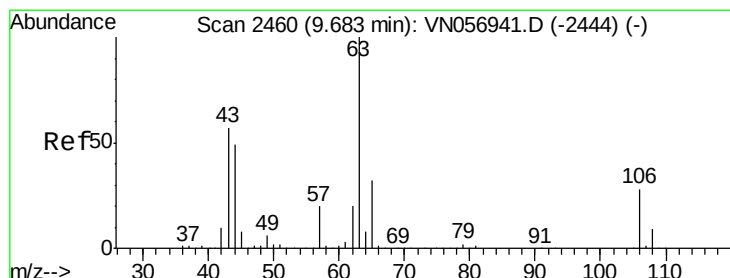
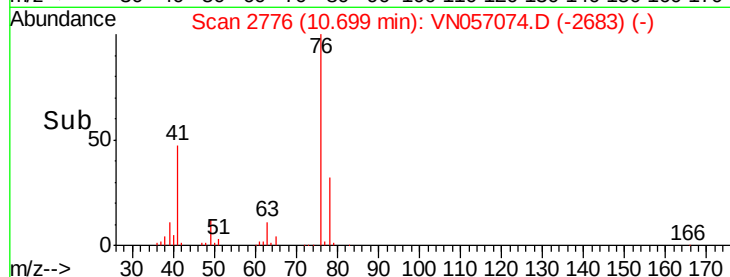
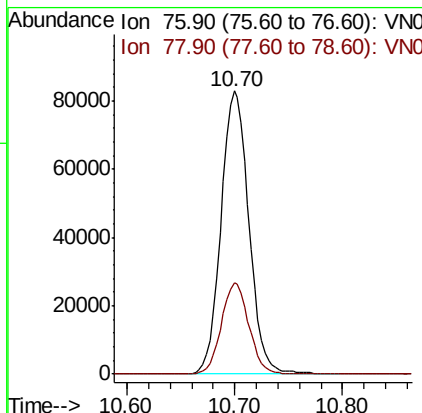
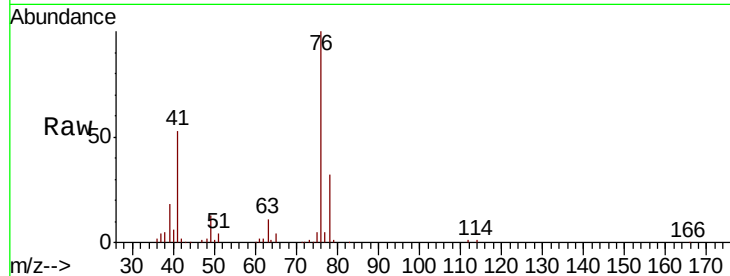




#57
 1,3-Dichloropropane
 Concen: 21.129 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

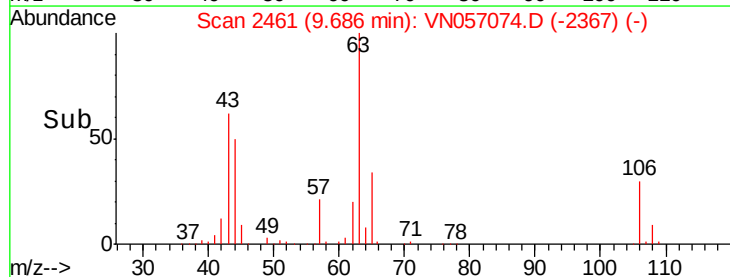
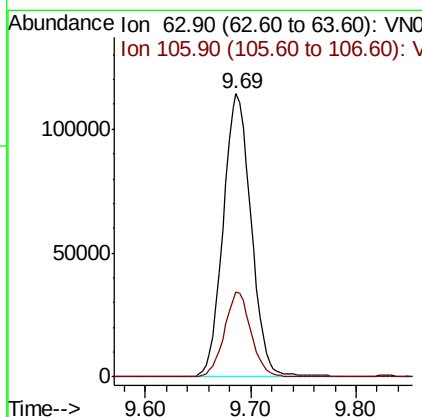
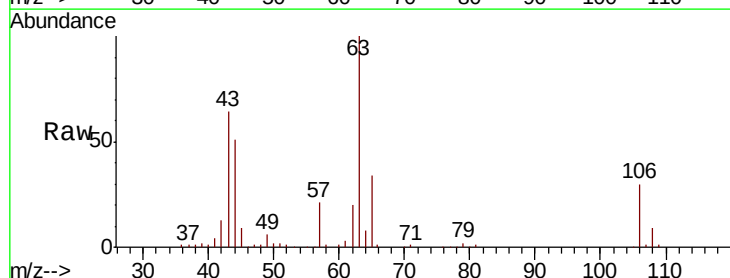
Instrument :
 MSVOA_N
 ClientSampled :

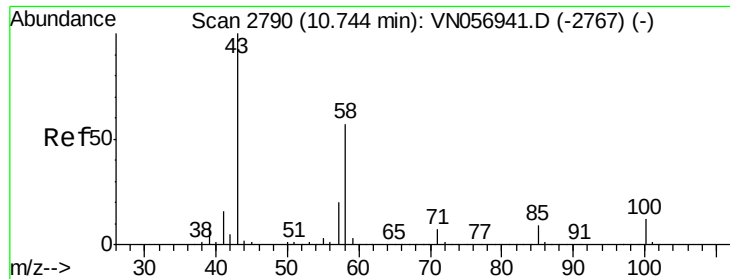
Tot Ion: 76 Resp: 148817
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 82.423 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion: 63 Resp: 209793
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.0 33.0

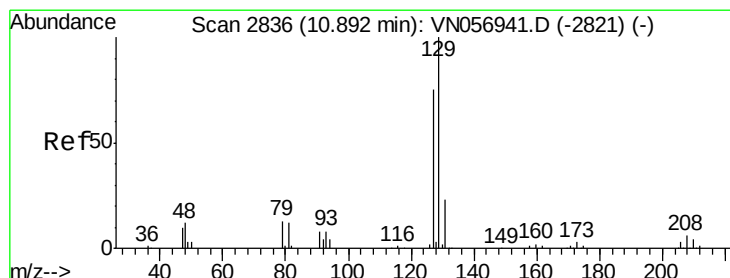
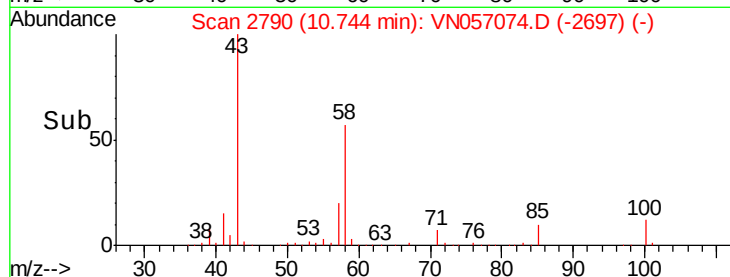
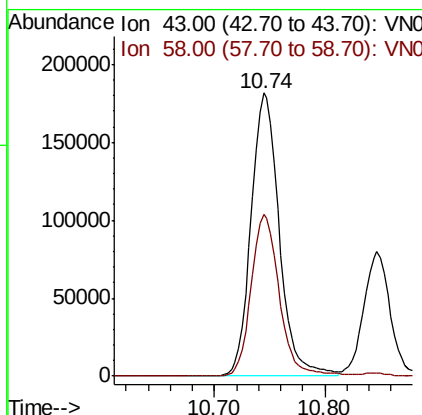
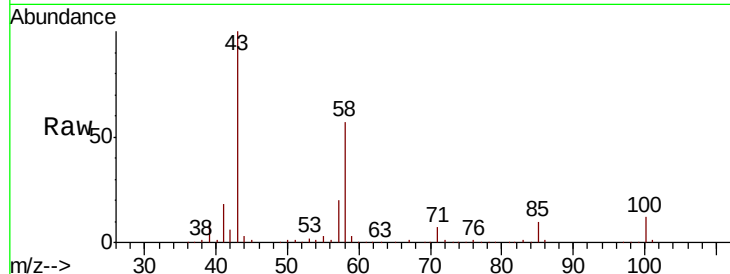




#59
2-Hexanone
Concen: 94.646 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

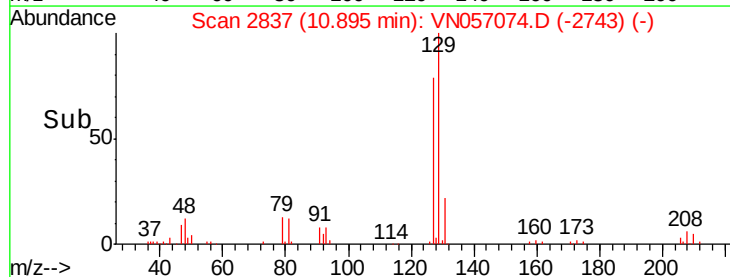
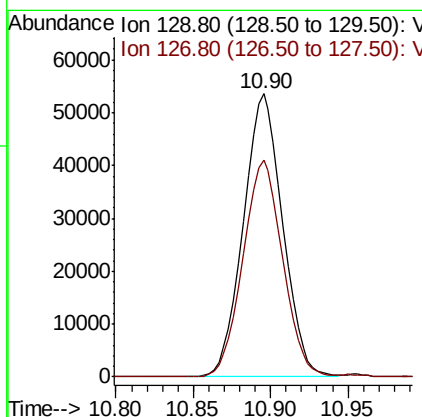
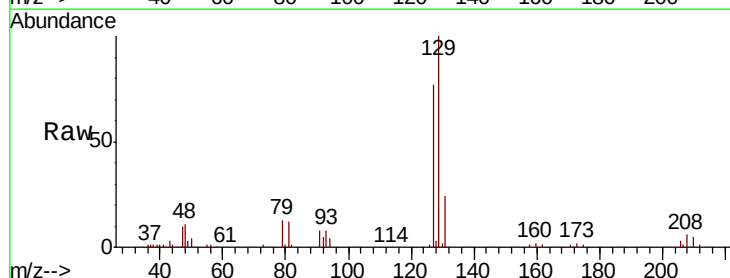
Instrument :
MSVOA_N
ClientSampled :

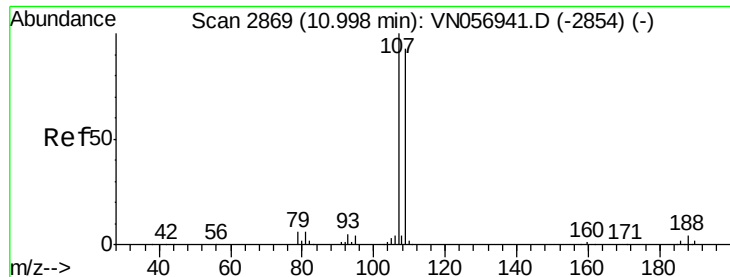
Tot Ion: 43 Resp: 322677
Ion Ratio Lower Upper
43 100
58 57.2 28.5 85.5



#60
Dibromochloromethane
Concen: 21.835 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 129 Resp: 95017
Ion Ratio Lower Upper
129 100
127 77.3 38.0 113.9

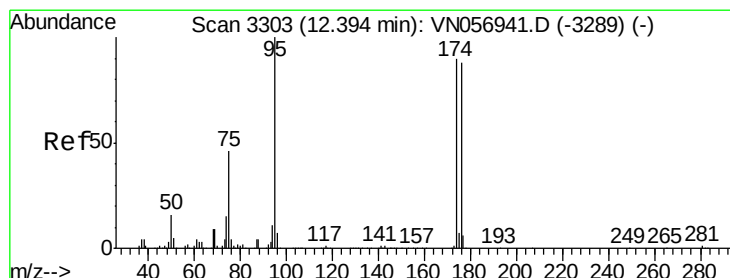
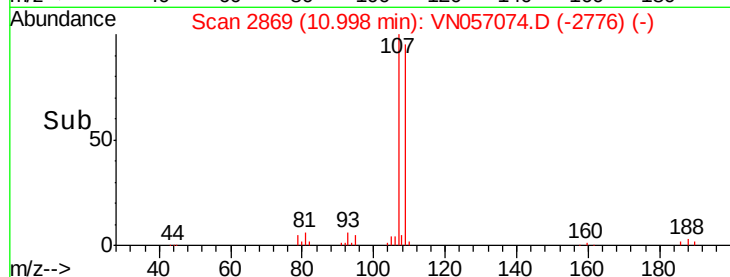
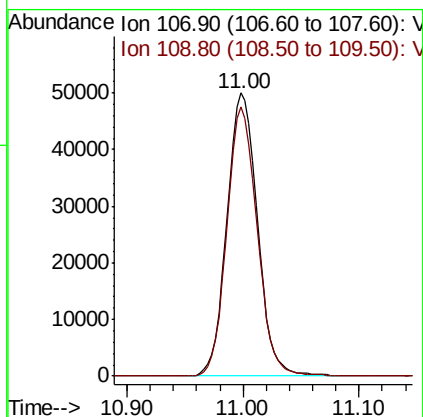
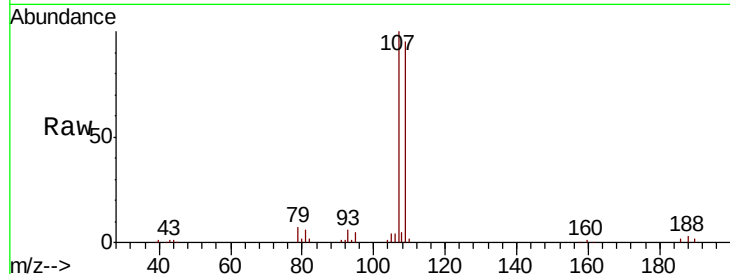




#61
1,2-Dibromoethane
Concen: 21.899 ug/l
RT: 11.00 min Scan# 2869
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

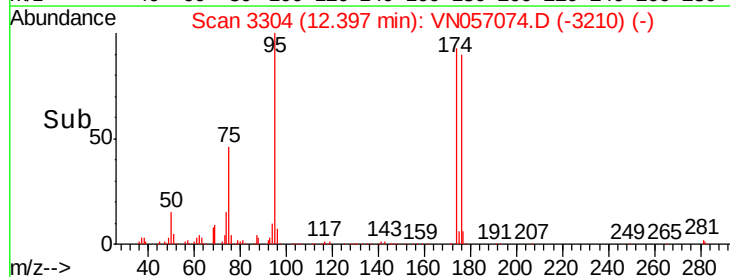
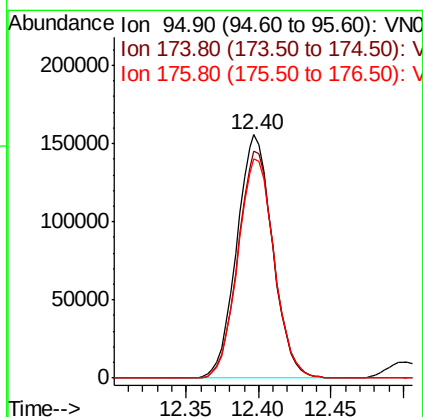
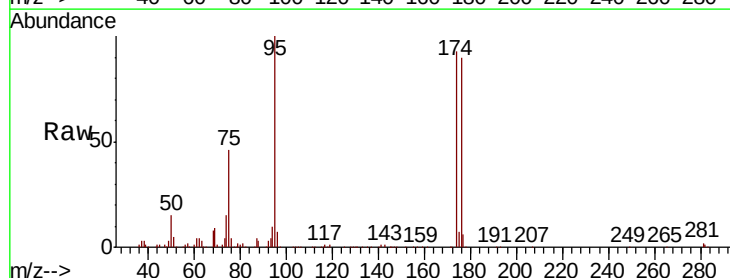
Instrument :
MSVOA_N
ClientSampled :

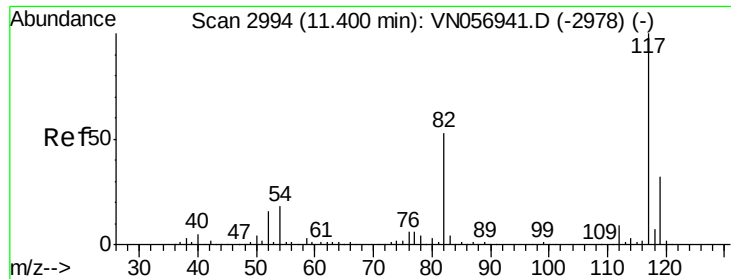
Tot Ion: 107 Resp: 90775
Ion Ratio Lower Upper
107 100
109 94.3 76.0 114.0



#62
4-Bromofluorobenzene
Concen: 51.621 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 95 Resp: 266850
Ion Ratio Lower Upper
95 100
174 93.3 0.0 182.2
176 91.4 0.0 179.4

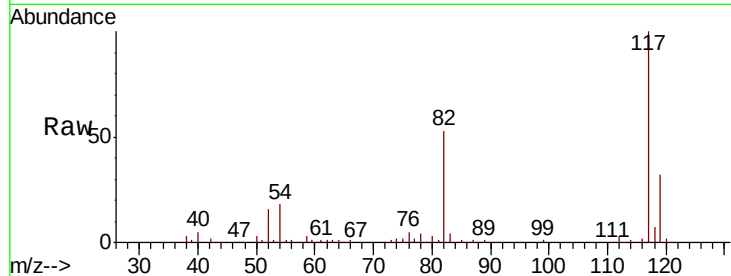




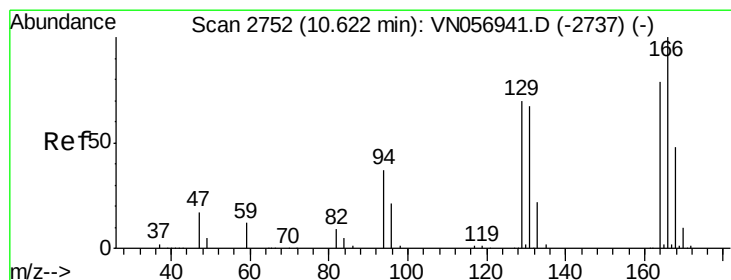
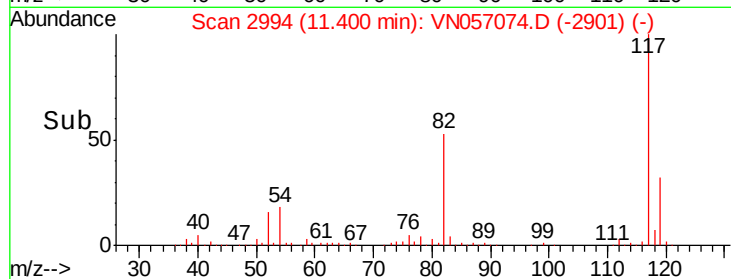
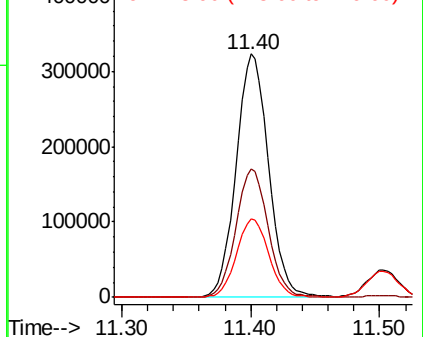
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 565902
Ion Ratio Lower Upper
117 100
82 52.9 42.2 63.4
119 32.2 25.8 38.6

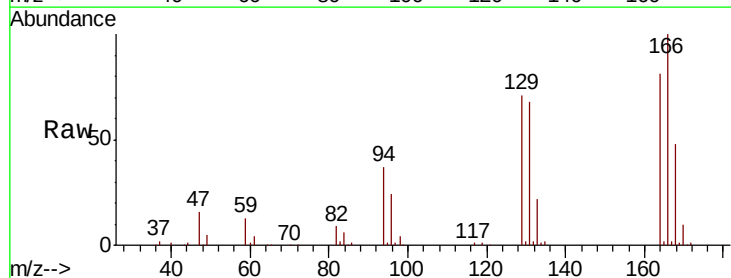


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

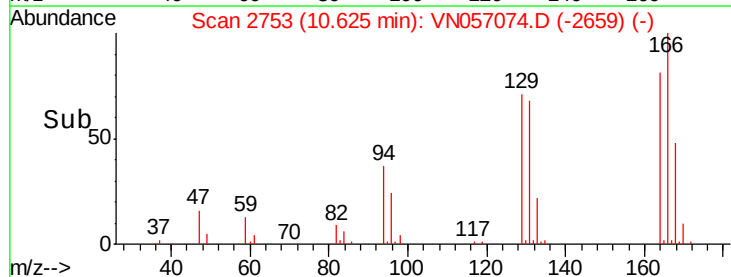
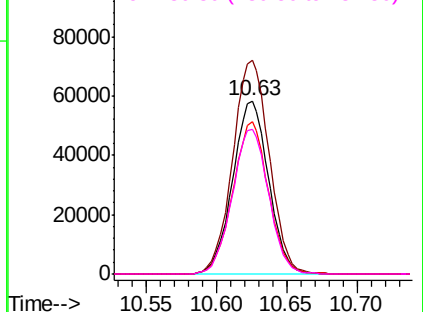


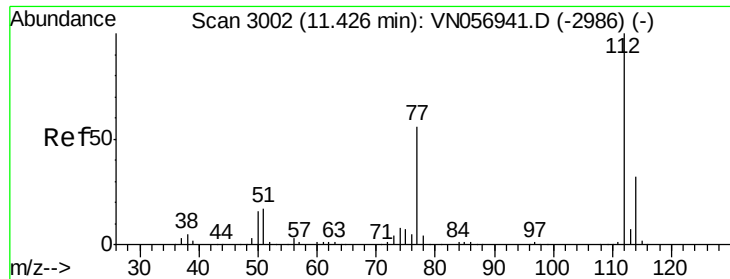
#64
Tetrachloroethene
Concen: 21.200 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion:164 Resp: 103385
Ion Ratio Lower Upper
164 100
166 123.3 101.1 151.7
129 87.9 70.9 106.3
131 83.8 67.7 101.5



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

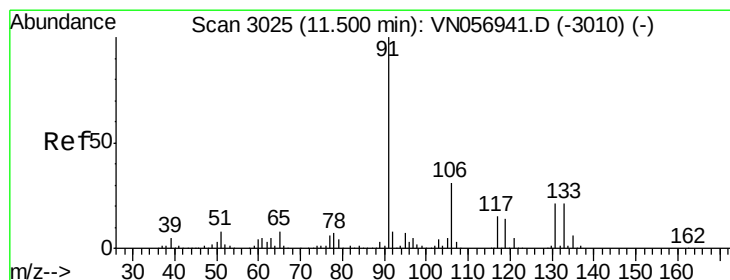
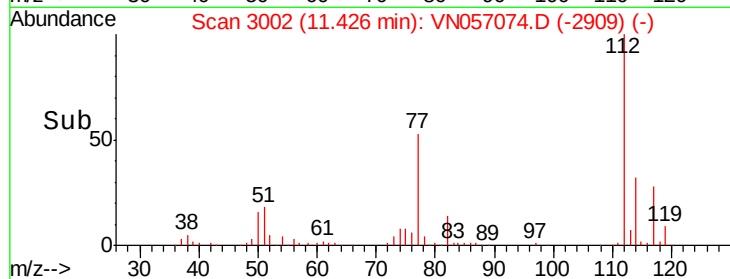
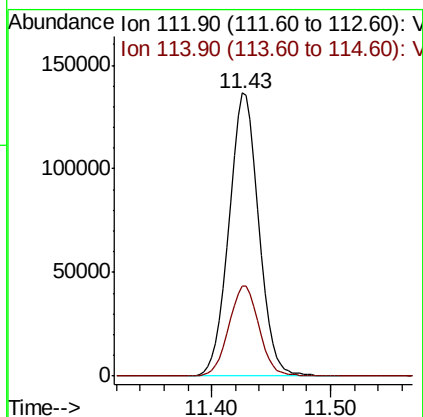
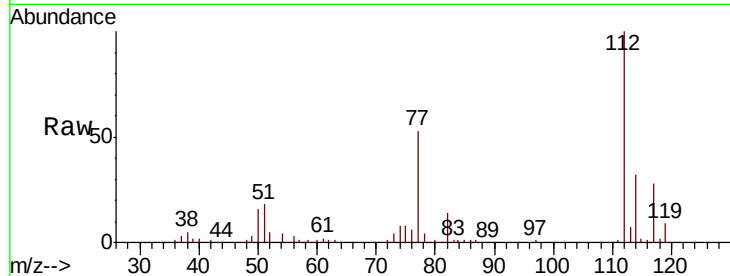




#65
Chlorobenzene
Concen: 20.545 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

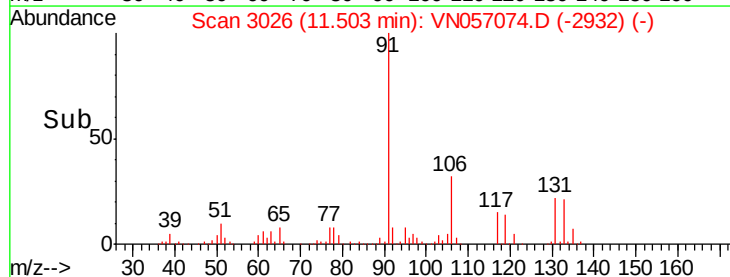
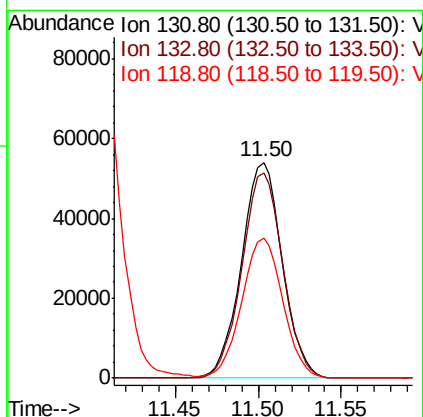
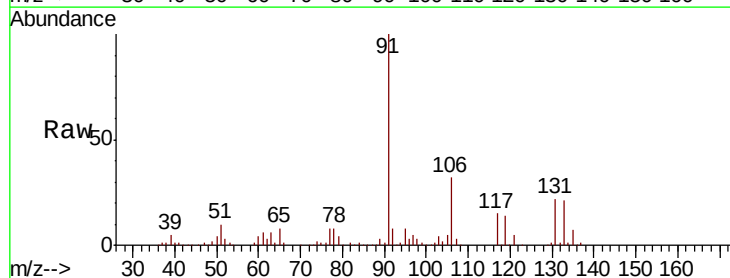
Instrument :
MSVOA_N
ClientSampled :

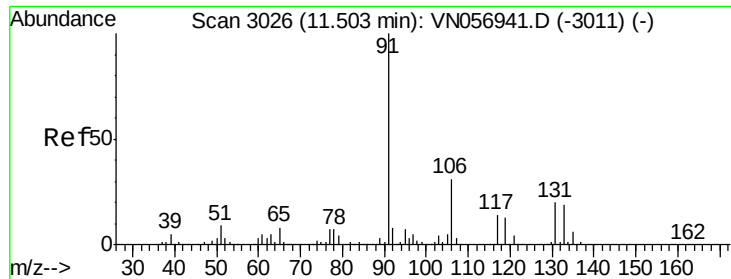
Tot Ion:112 Resp: 236959
Ion Ratio Lower Upper
112 100
114 31.6 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.301 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion:131 Resp: 92473
Ion Ratio Lower Upper
131 100
133 95.6 48.0 144.0
119 65.7 33.2 99.6

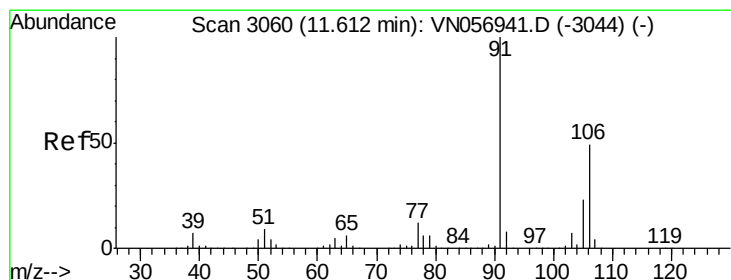
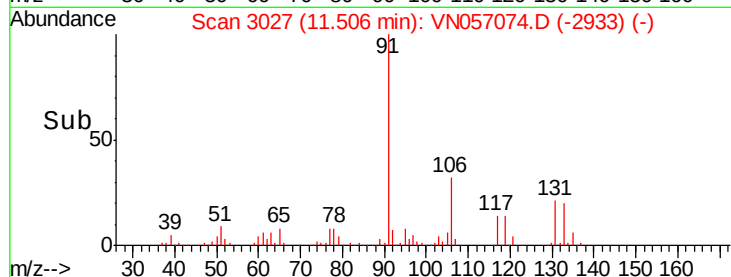
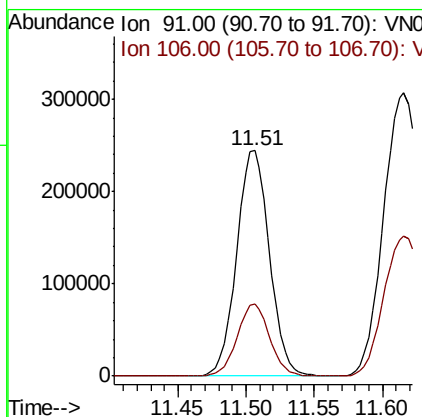
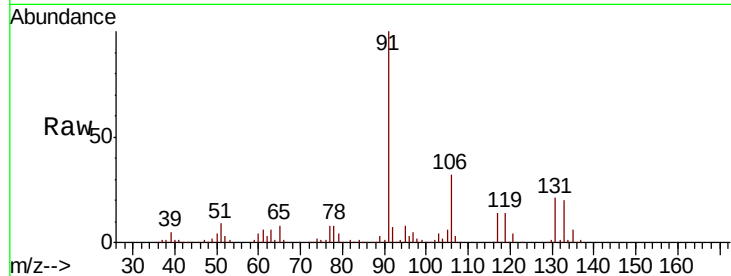




#67
Ethyl Benzene
Concen: 20.449 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

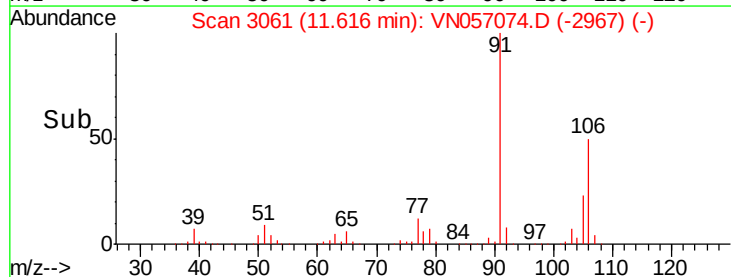
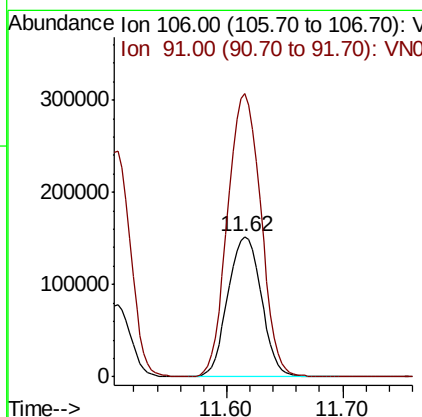
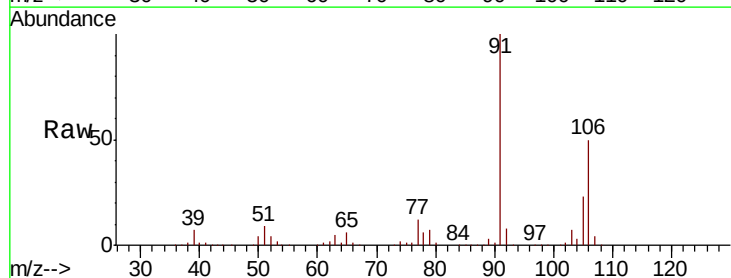
Instrument :
MSVOA_N
ClientSampled :

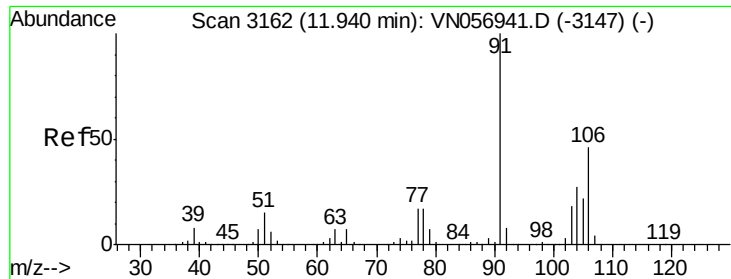
Tot Ion: 91 Resp: 407640
Ion Ratio Lower Upper
91 100
106 32.1 25.1 37.7



#68
m/p-Xylenes
Concen: 41.479 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion:106 Resp: 305153
Ion Ratio Lower Upper
106 100
91 200.0 160.0 240.0

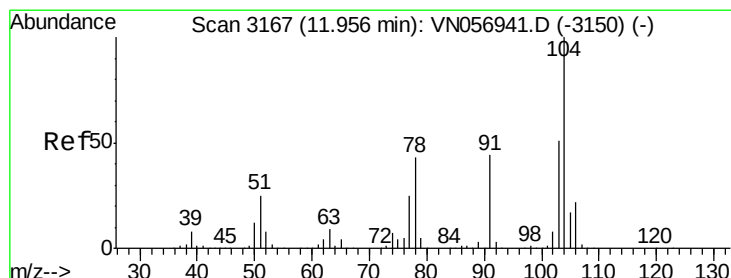
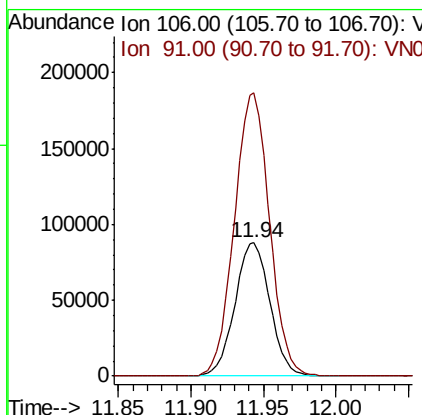
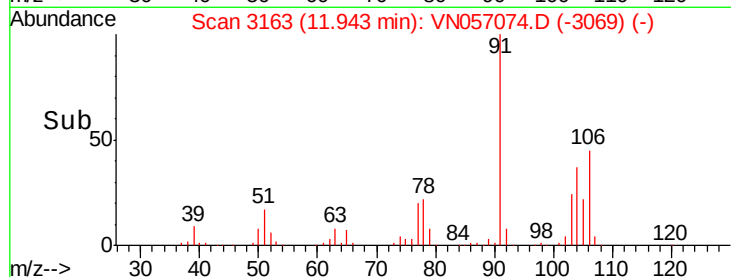
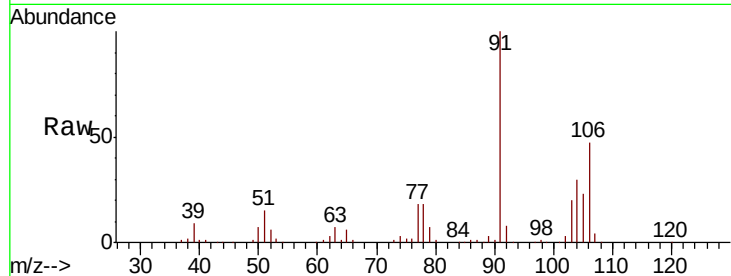




#69
o-Xylene
Concen: 20.516 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

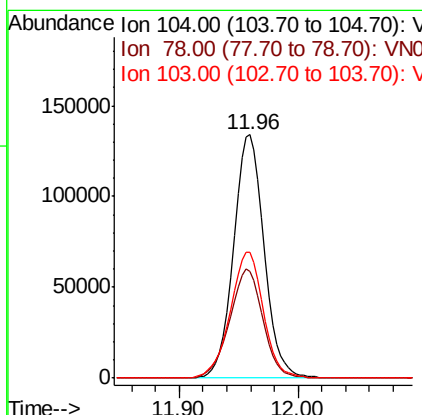
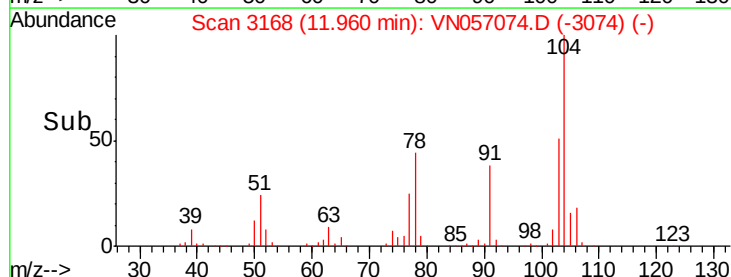
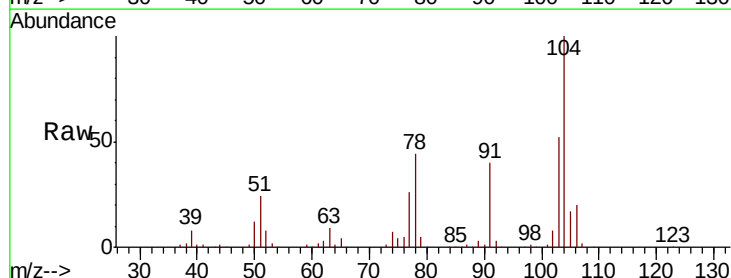
Instrument :
MSVOA_N
ClientSampled :

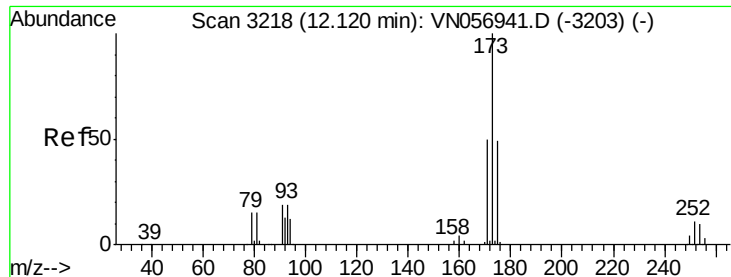
Tot Ion:106 Resp: 147661
Ion Ratio Lower Upper
106 100
91 212.7 106.2 318.6



#70
Styrene
Concen: 19.897 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion:104 Resp: 238275
Ion Ratio Lower Upper
104 100
78 48.8 38.1 57.1
103 55.9 44.3 66.5





#71

Bromoform

Concen: 21.293 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

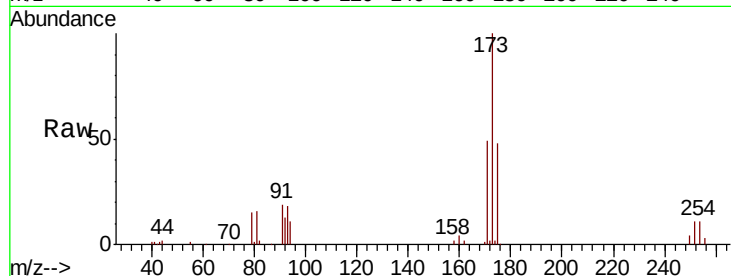
Tot Ion:173 Resp: 64535

Ion Ratio Lower Upper

173 100

175 48.8 24.1 72.4

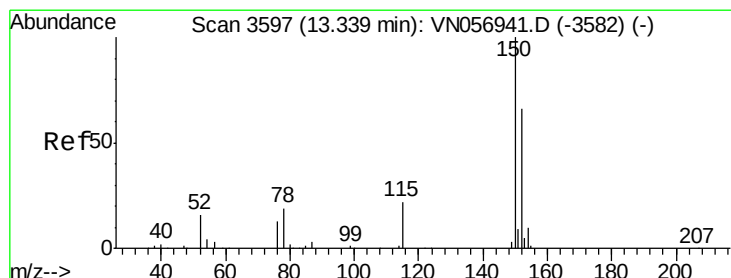
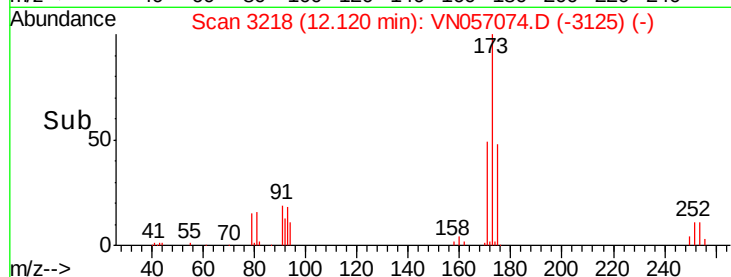
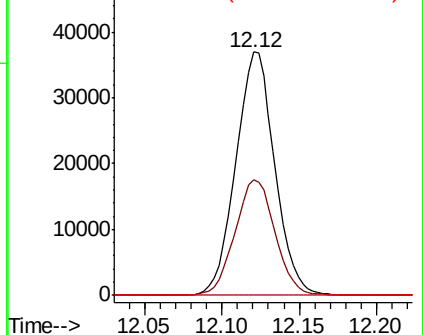
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

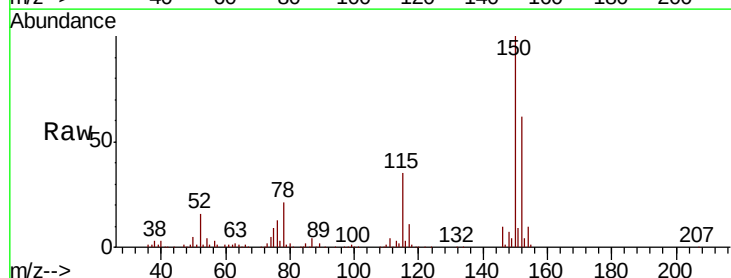
Tgt Ion:152 Resp: 209219

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

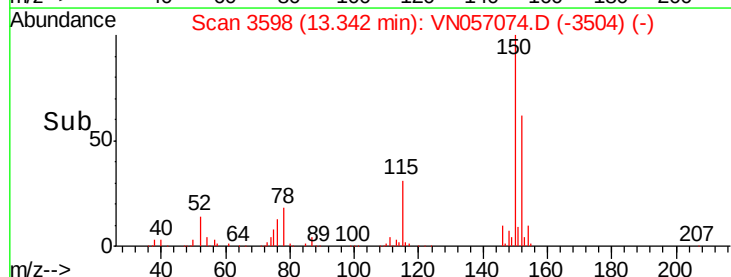
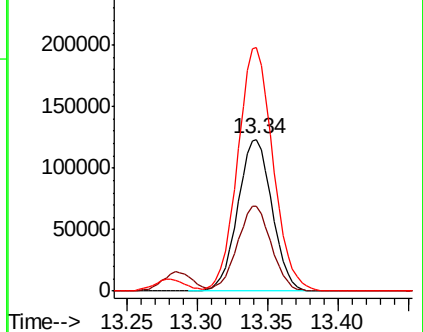
150 165.8 0.0 349.4

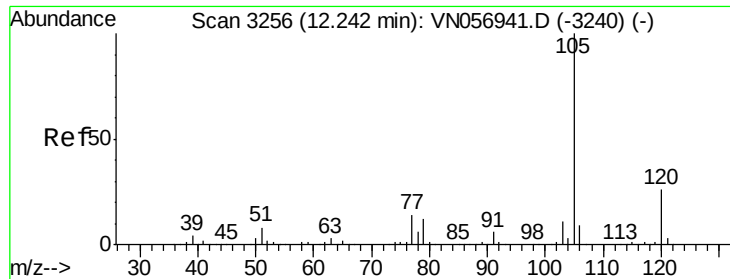


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.390 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

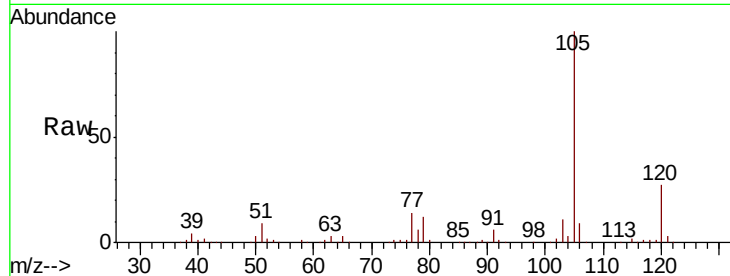
ClientSampled :

Tot Ion:105 Resp: 404855

Ion Ratio Lower Upper

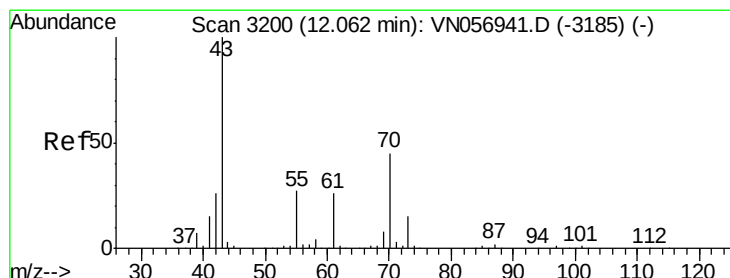
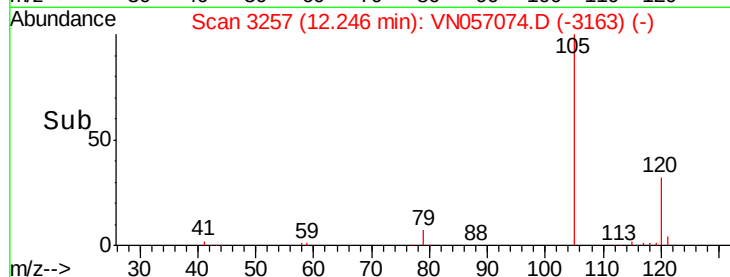
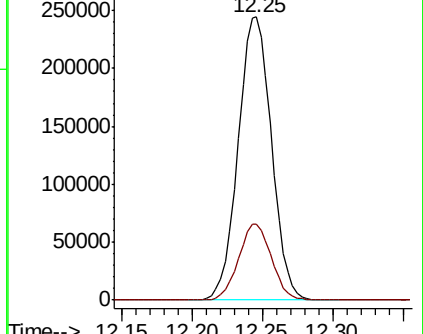
105 100

120 26.5 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.154 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Tgt Ion: 43 Resp: 111065

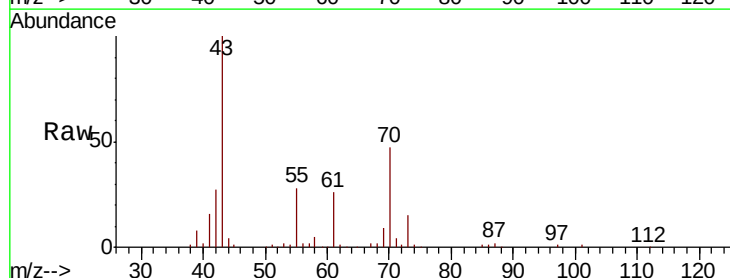
Ion Ratio Lower Upper

43 100

70 46.0 36.5 54.7

55 27.6 21.4 32.0

61 26.2 20.5 30.7

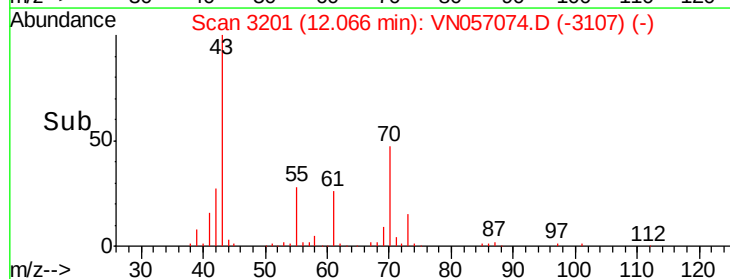
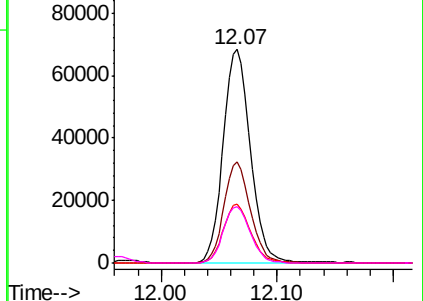


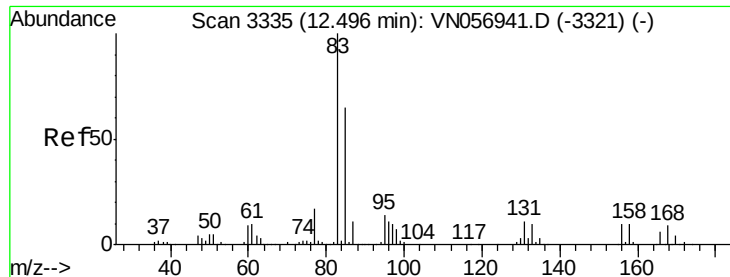
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.943 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

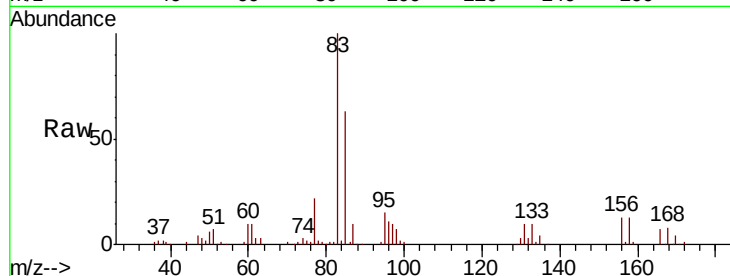
Tot Ion: 83 Resp: 115509

Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.3	16.1
85	64.0	32.5	97.4

83 100

131 10.5 5.3 16.1

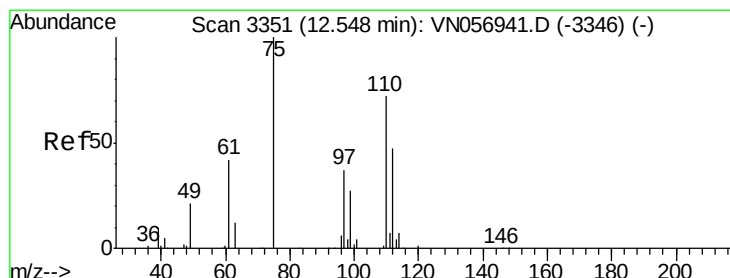
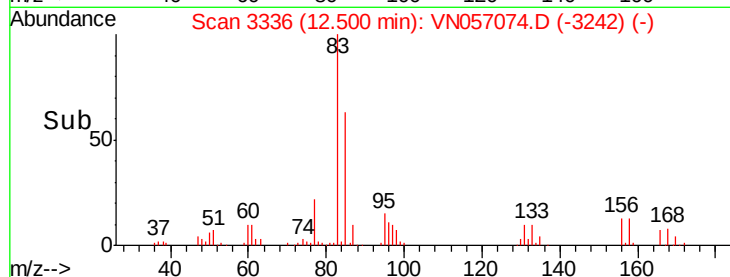
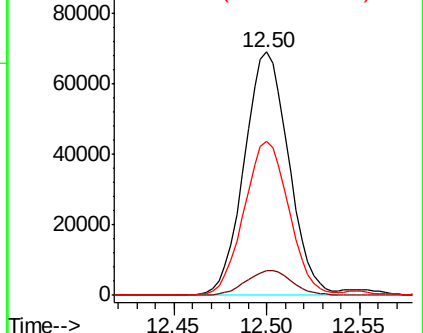
85 64.0 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.648 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057074.D

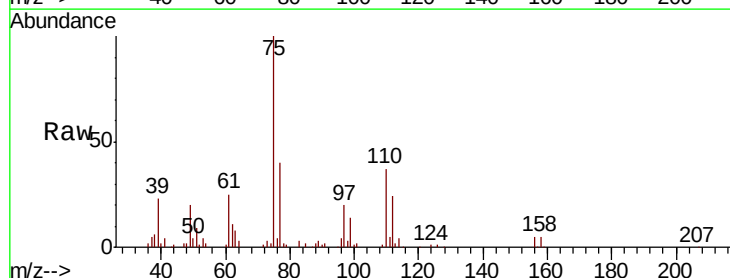
Acq: 5 Aug 2019 11:32

Tgt Ion: 75 Resp: 130222

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

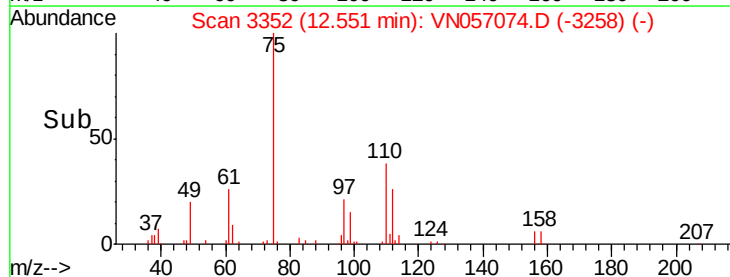
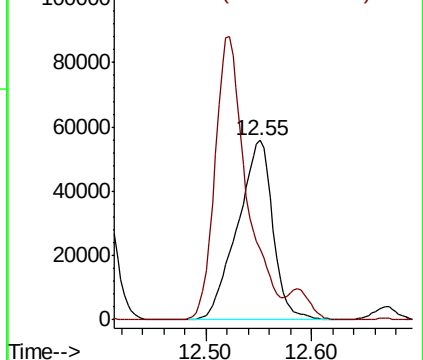
75 100

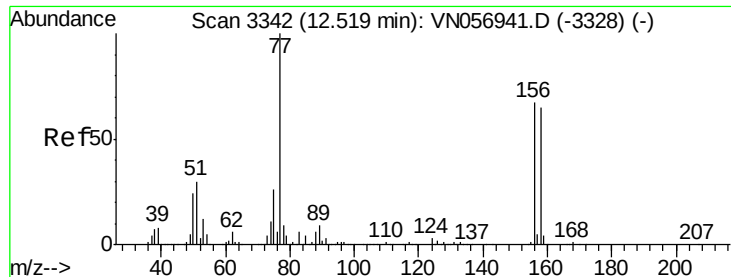
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

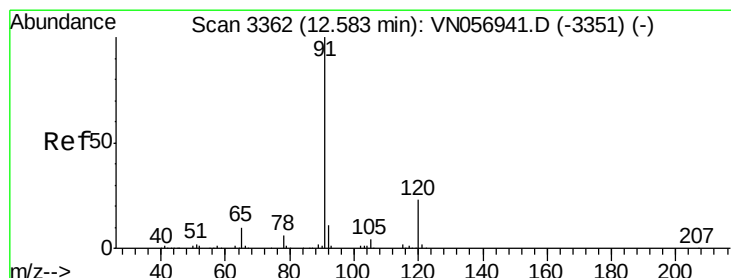
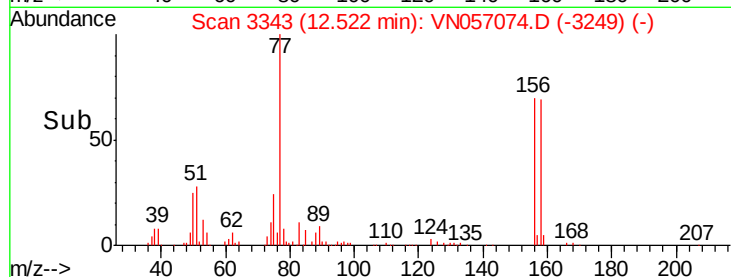
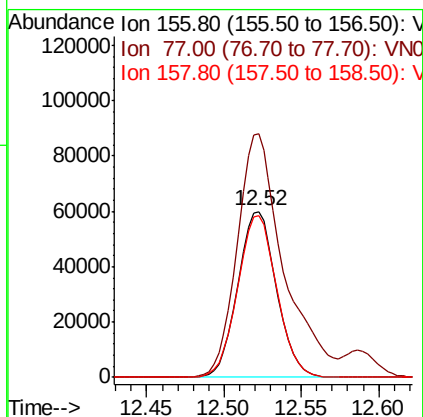
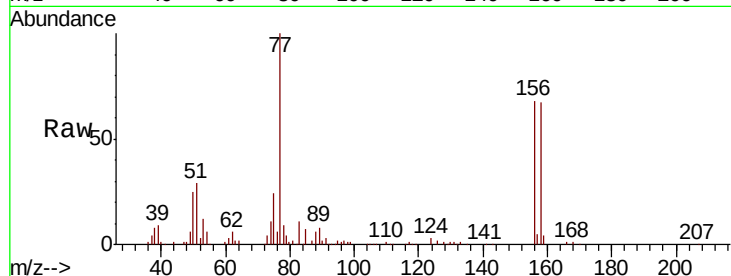




#77
Bromobenzene
Concen: 22.066 ug/l
RT: 12.52 min Scan# 3343
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

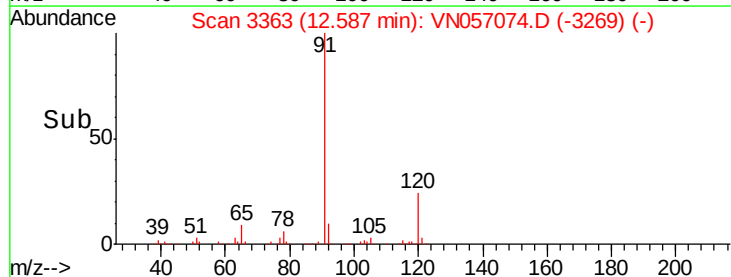
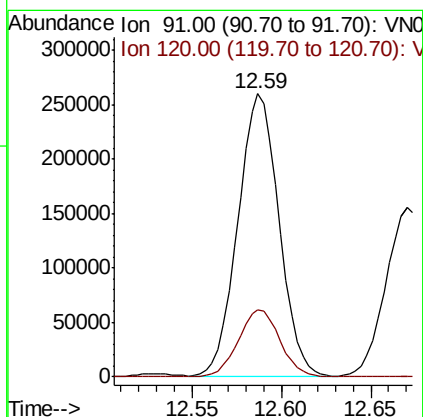
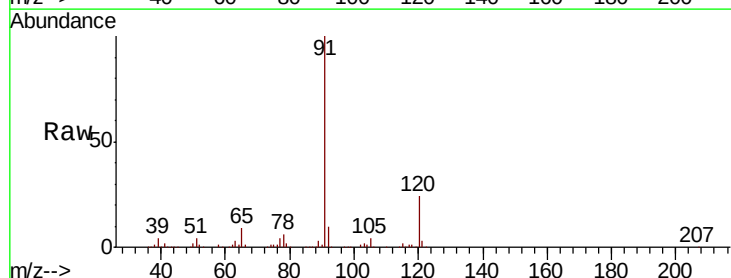
Instrument :
MSVOA_N
ClientSampled :

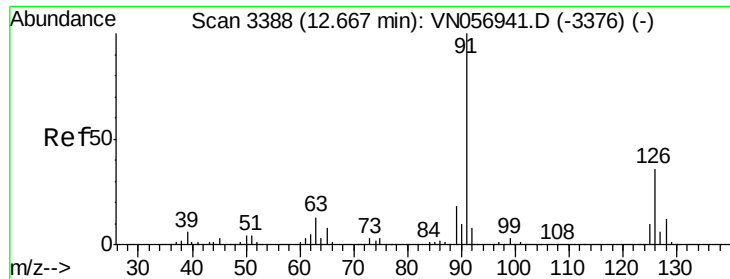
Tot Ion:156 Resp: 104132
Ion Ratio Lower Upper
156 100
77 177.0 89.5 268.5
158 98.6 48.4 145.3



#78
n-propylbenzene
Concen: 21.426 ug/l
RT: 12.59 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 91 Resp: 413659
Ion Ratio Lower Upper
91 100
120 24.0 11.8 35.4





#79

2-Chlorotoluene

Concen: 21.556 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

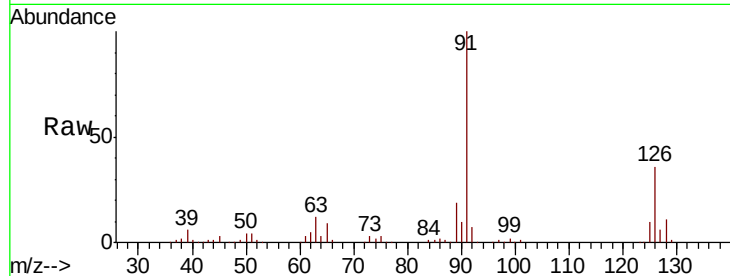
ClientSampled :

Tot Ion: 91 Resp: 256261

Ion Ratio Lower Upper

91 100

126 36.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN056941.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN056941.D (-3376) (-)

200000

150000

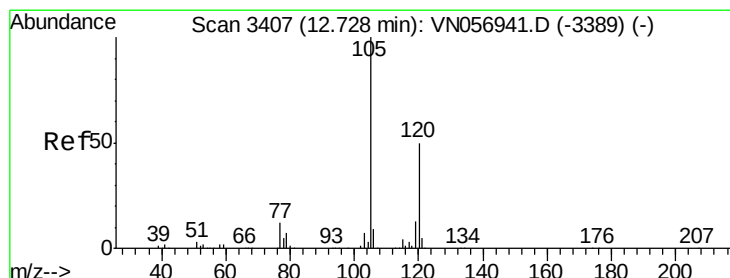
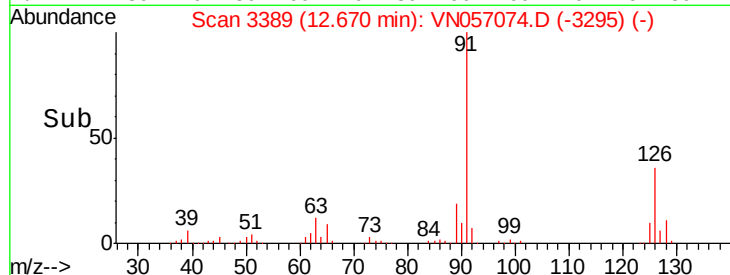
100000

50000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.475 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057074.D

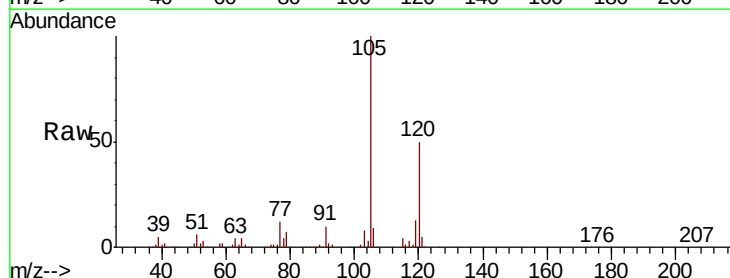
Acq: 5 Aug 2019 11:32

Tgt Ion: 105 Resp: 333535

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): VN056941.D (-3389) (-)

Ion 120.00 (119.70 to 120.70): VN056941.D (-3389) (-)

250000

200000

150000

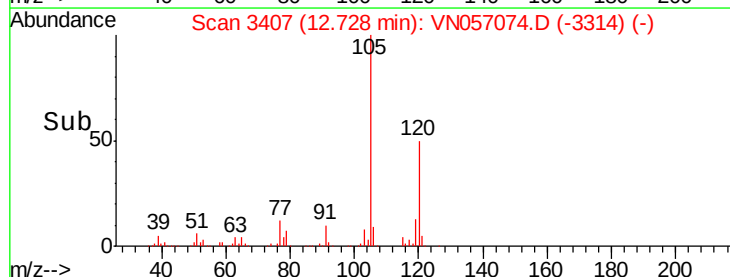
100000

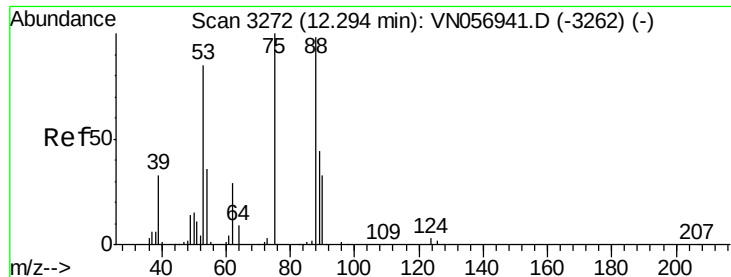
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.827 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

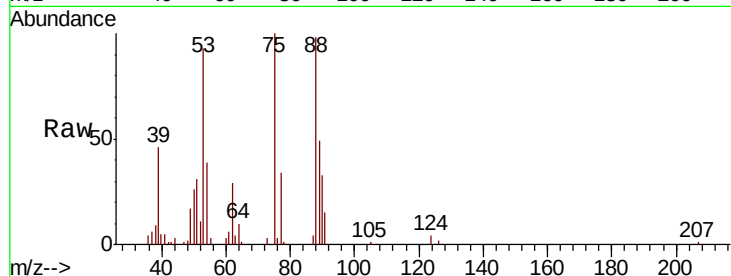
Tot Ion: 75 Resp: 28864

Ion Ratio Lower Upper

75 100

53 92.9 69.3 103.9

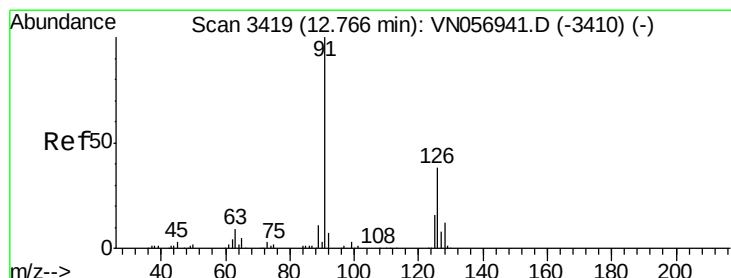
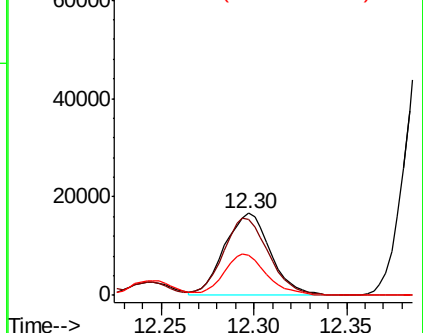
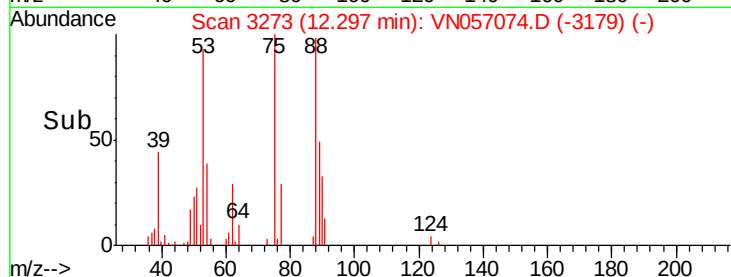
89 46.5 35.8 53.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 21.304 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN057074.D

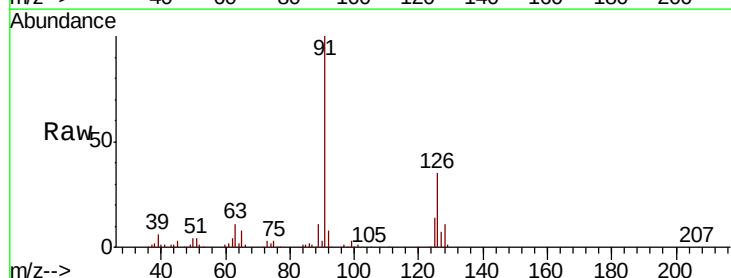
Acq: 5 Aug 2019 11:32

Tgt Ion: 91 Resp: 237005

Ion Ratio Lower Upper

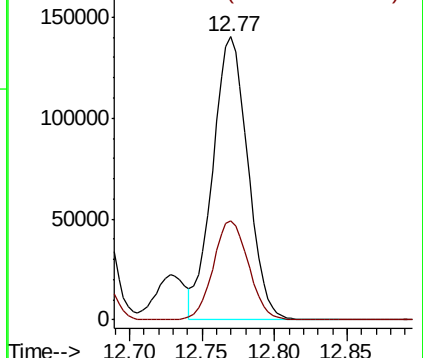
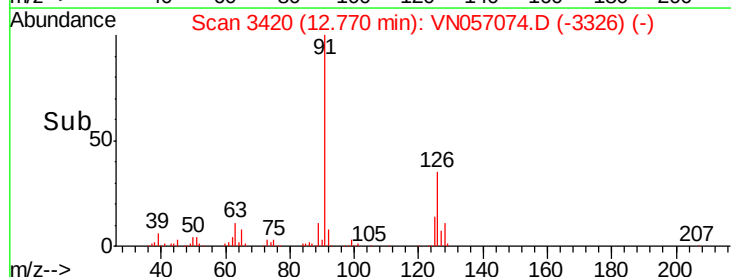
91 100

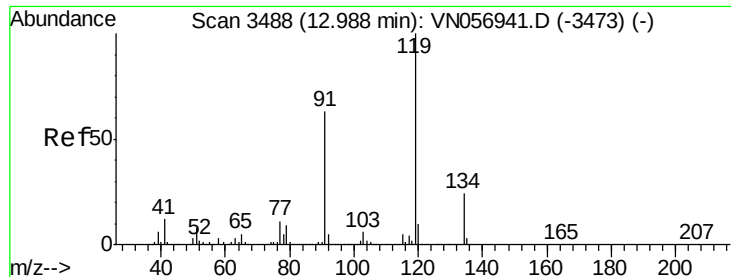
126 34.9 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

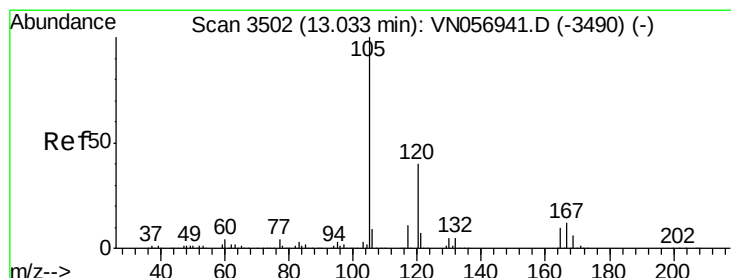
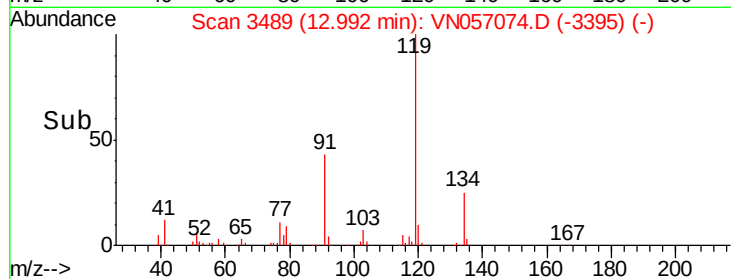
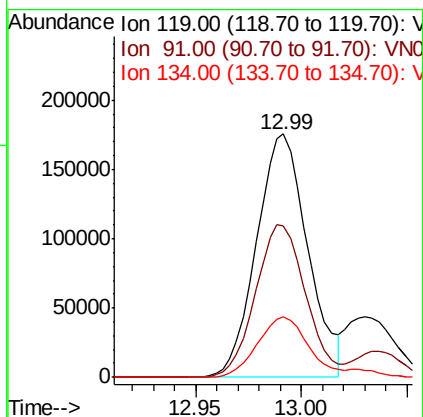
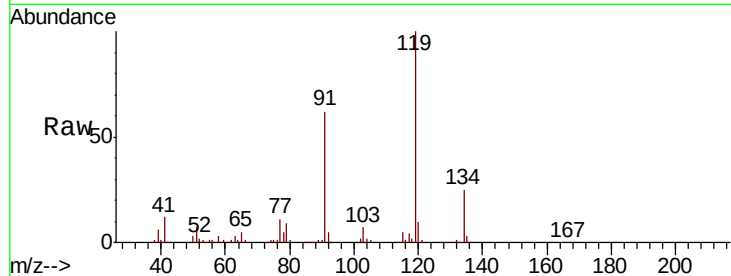




#83
 tert-Butylbenzene
 Concen: 22.576 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

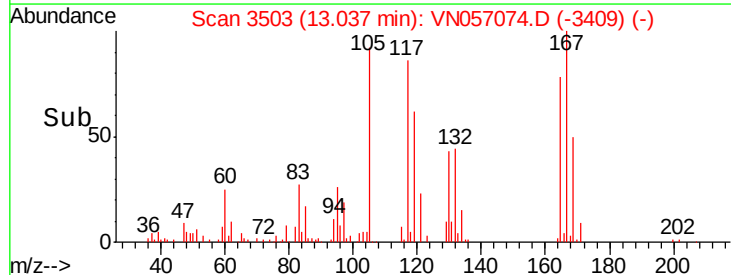
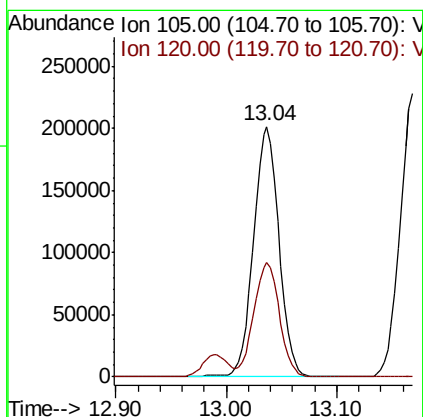
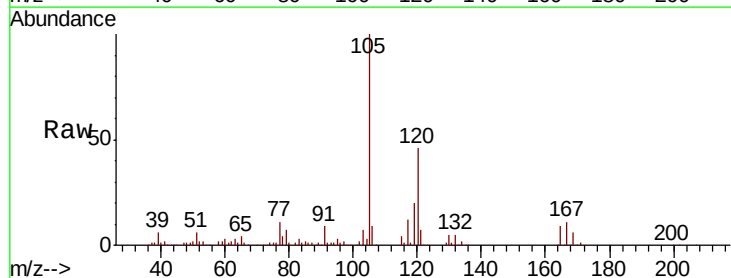
Instrument :
 MSVOA_N
 ClientSampled :

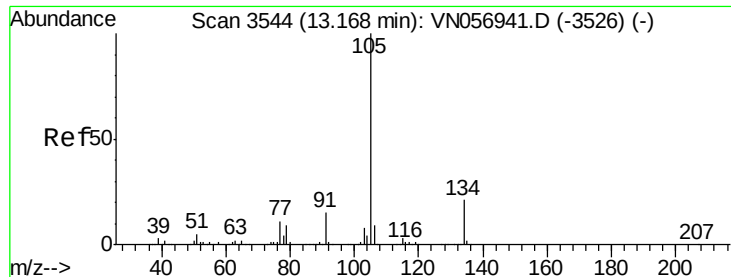
Tot Ion:119 Resp: 296580
 Ion Ratio Lower Upper
 119 100
 91 61.8 31.3 93.8
 134 26.6 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 22.479 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion:105 Resp: 320987
 Ion Ratio Lower Upper
 105 100
 120 46.3 23.2 69.6





#85

sec-Butylbenzene

Concen: 21.544 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

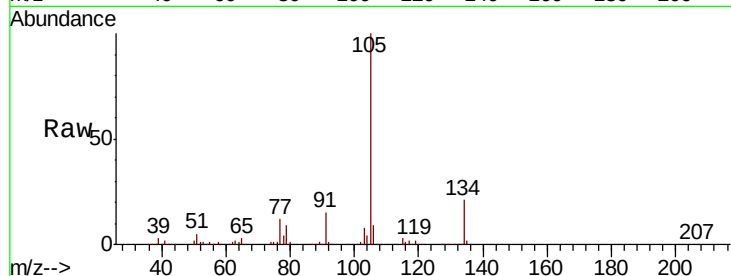
ClientSampled :

Tot Ion:105 Resp: 365065

Ion Ratio Lower Upper

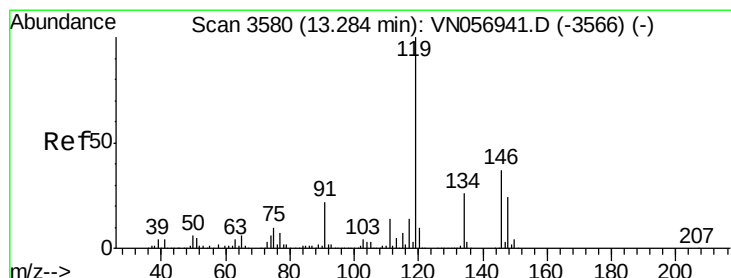
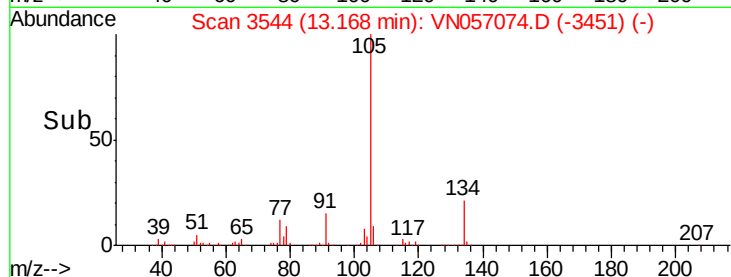
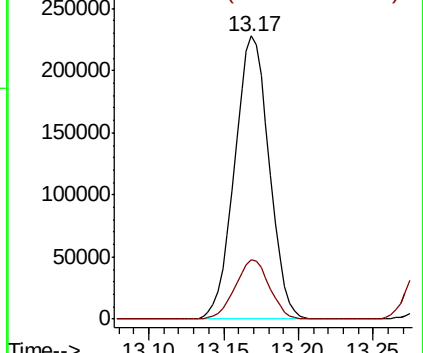
105 100

134 20.8 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.570 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

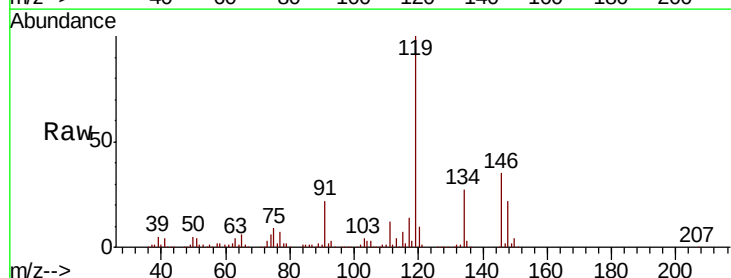
Tgt Ion:119 Resp: 324511

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

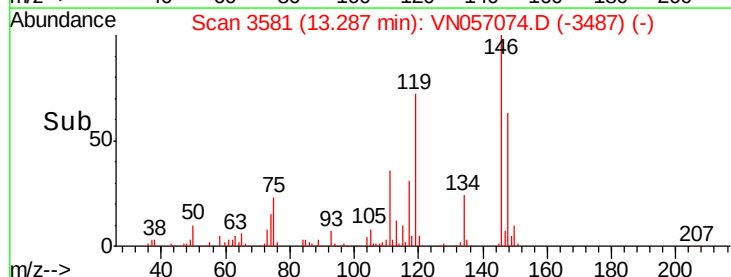
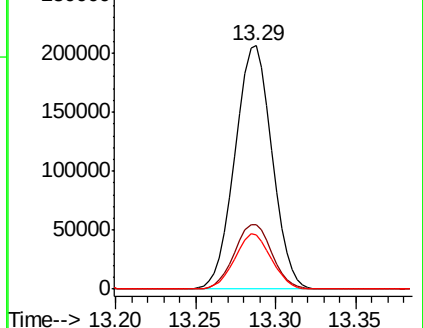
91 22.4 11.0 33.0

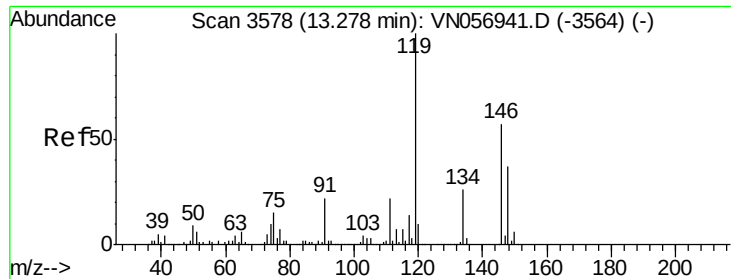


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

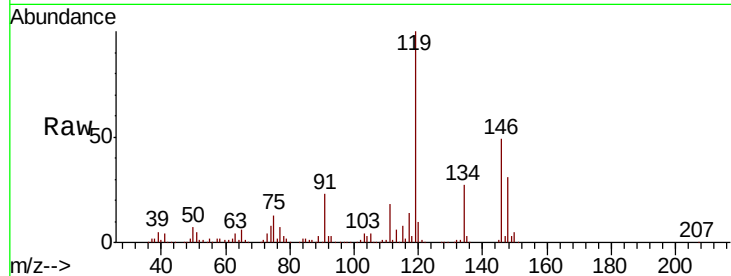




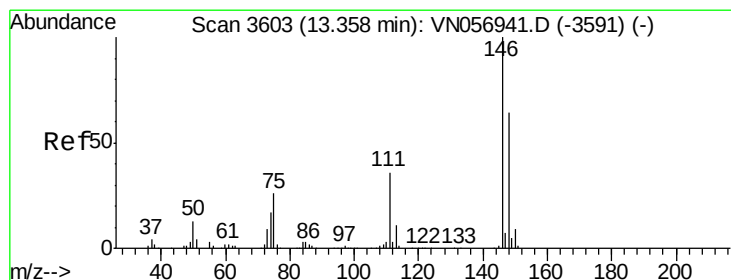
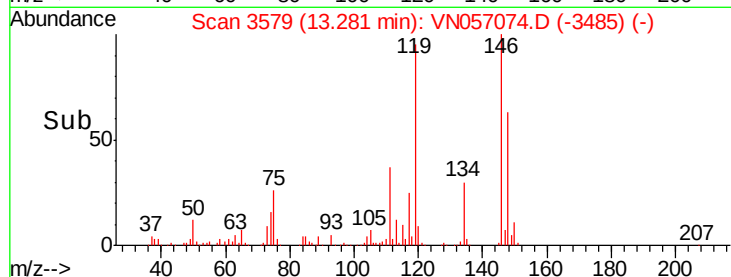
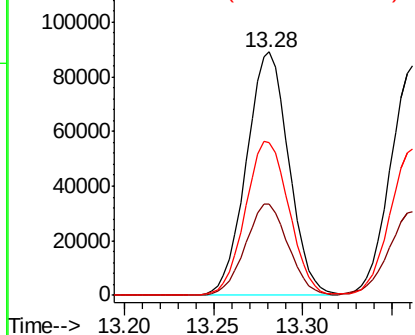
#87
 1,3-Dichlorobenzene
 Concen: 20.647 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:146 Resp: 148210
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.6 55.8
 148 65.0 32.2 96.6

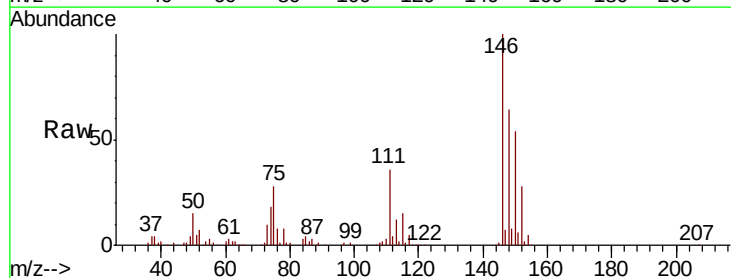


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

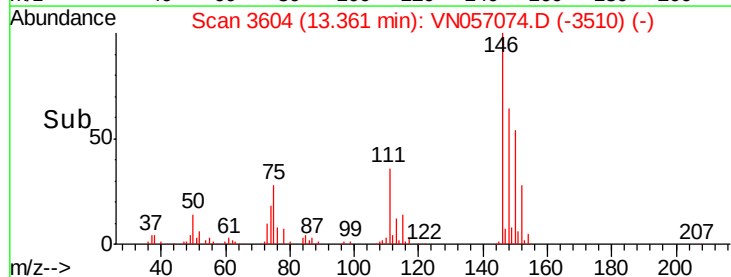
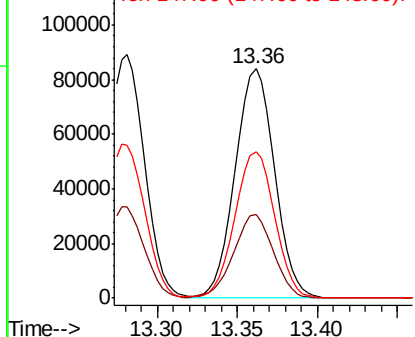


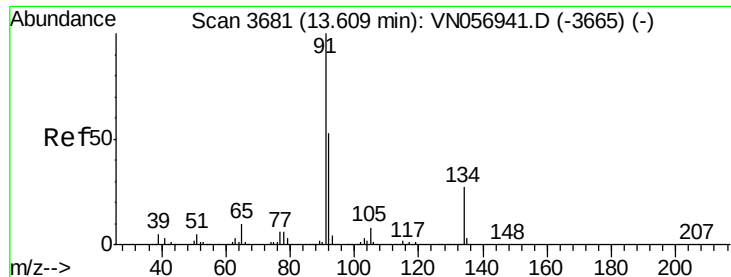
#88
 1,4-Dichlorobenzene
 Concen: 20.426 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion:146 Resp: 141153
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.4 55.2
 148 64.3 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

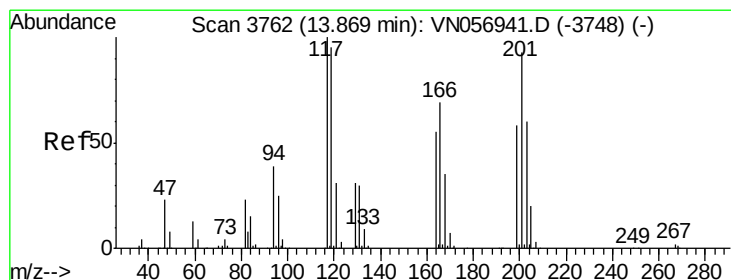
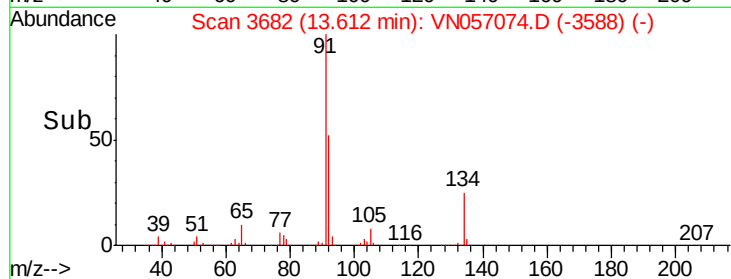
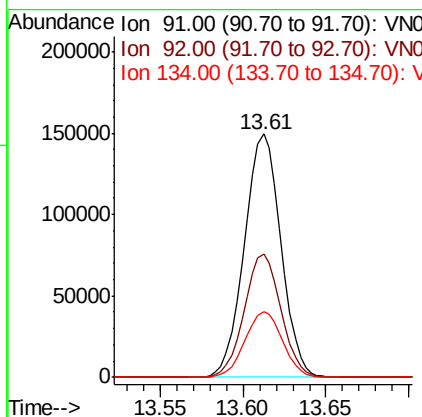
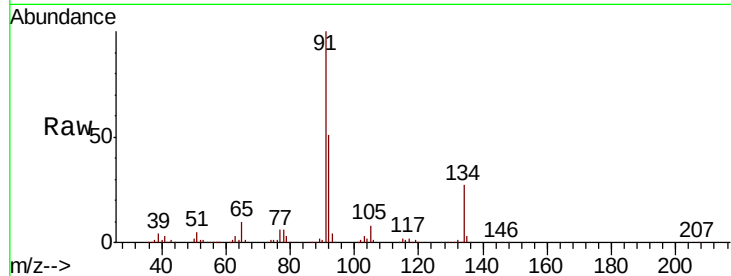




#89
n-Butylbenzene
Concen: 19.756 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

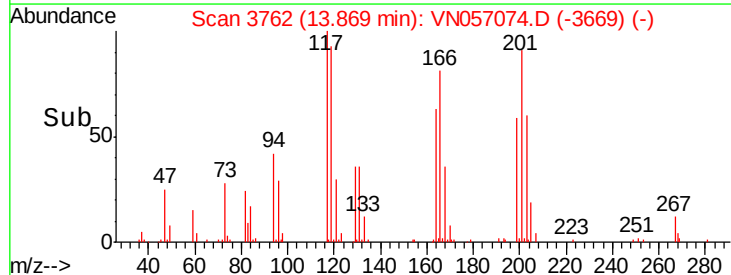
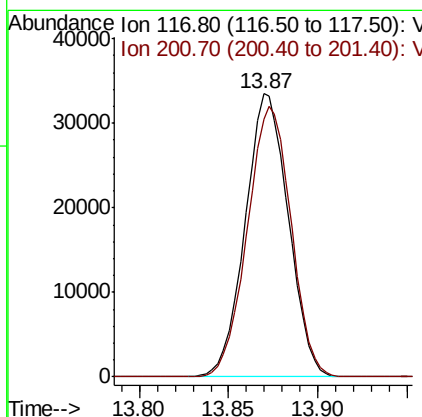
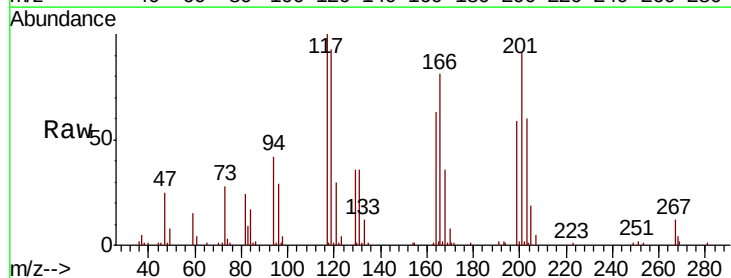
Instrument :
MSVOA_N
ClientSampled :

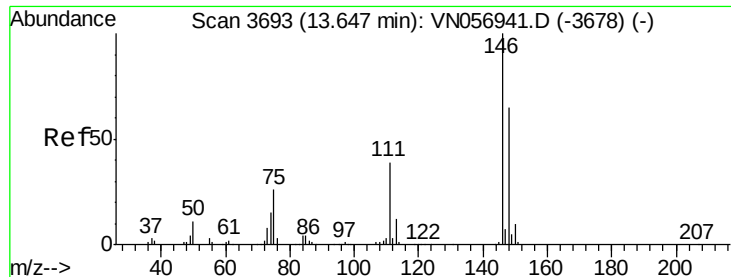
Tot Ion: 91 Resp: 229063
Ion Ratio Lower Upper
91 100
92 50.8 26.2 78.5
134 27.7 13.5 40.4



#90
Hexachloroethane
Concen: 21.885 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN057074.D
Acq: 5 Aug 2019 11:32

Tgt Ion: 117 Resp: 56693
Ion Ratio Lower Upper
117 100
201 96.7 47.0 141.2

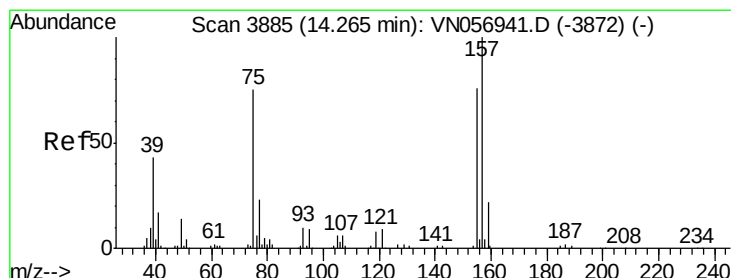
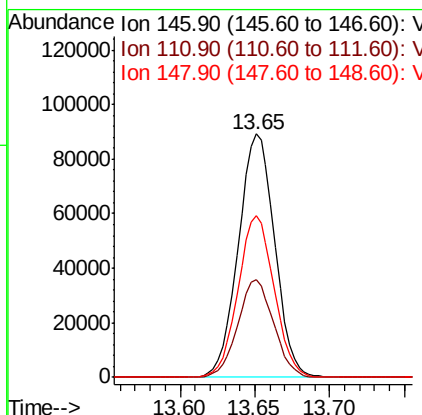
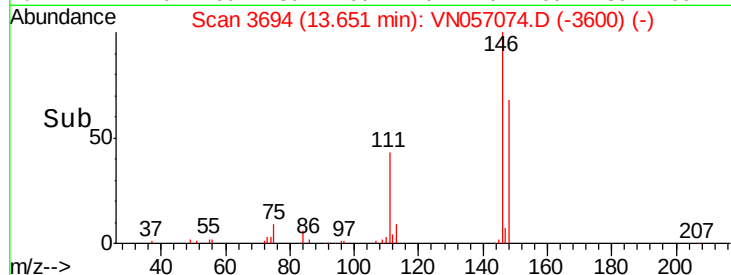
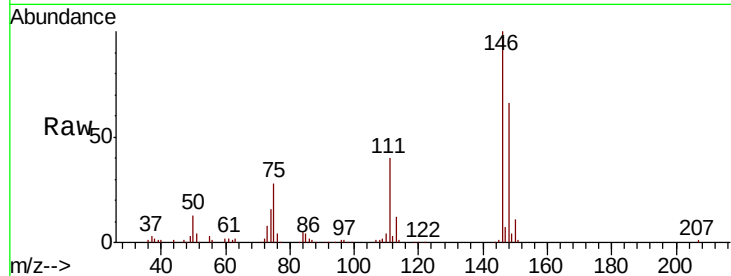




#91
 1,2-Dichlorobenzene
 Concen: 21.291 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

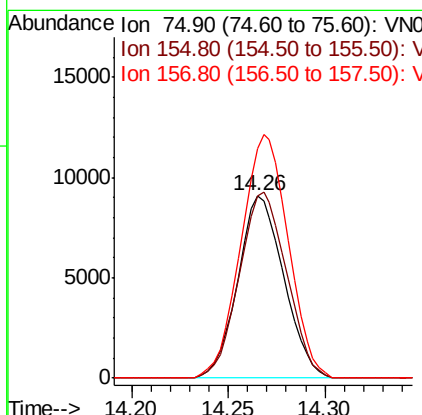
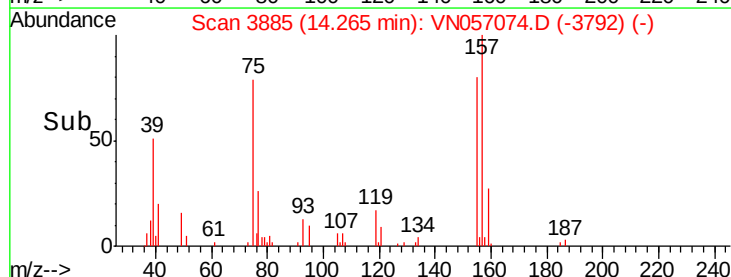
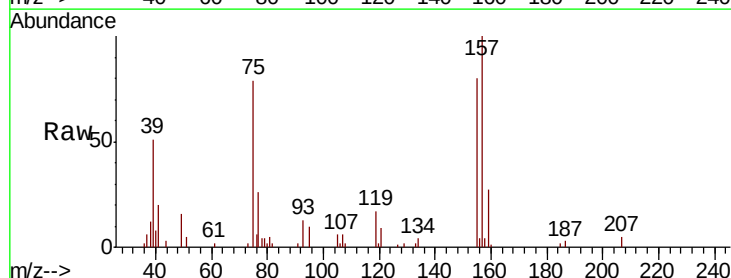
Instrument :
 MSVOA_N
 ClientSampled :

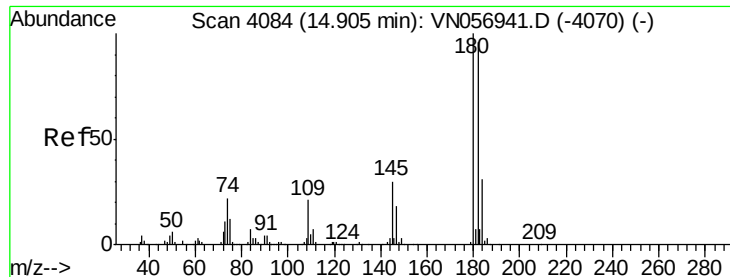
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.4
148	66.1	32.2	96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.885 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN057074.D
 Acq: 5 Aug 2019 11:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.9	50.2	150.6
157	137.1	65.1	195.4





#93

1,2,4-Trichlorobenzene

Concen: 15.312 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampleId :

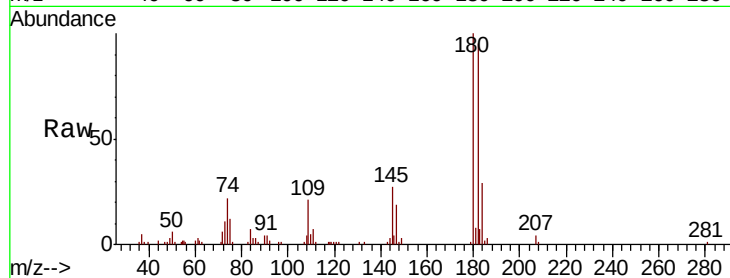
Tot Ion:180 Resp: 48559

Ion Ratio Lower Upper

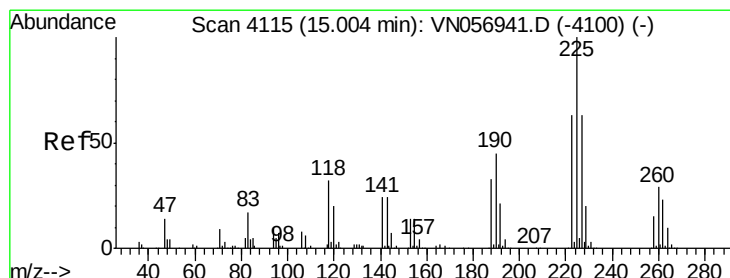
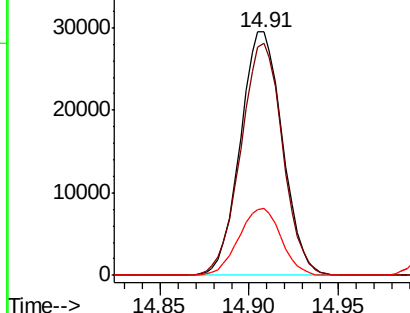
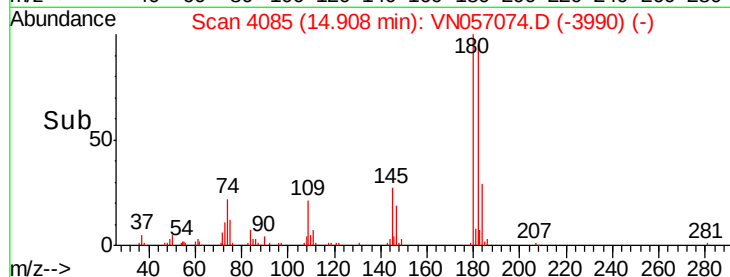
180 100

182 94.9 47.6 142.8

145 27.5 14.2 42.8



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



#94

Hexachlorobutadiene

Concen: 23.106 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

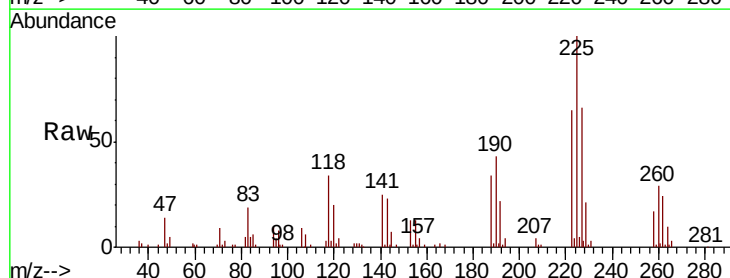
Tgt Ion:225 Resp: 61431

Ion Ratio Lower Upper

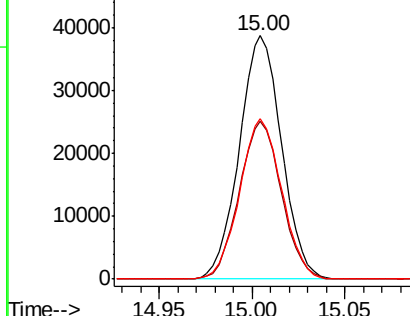
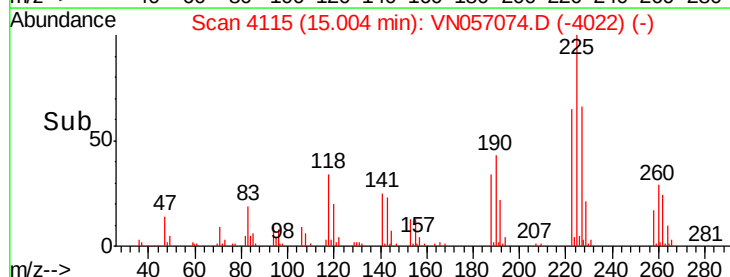
225 100

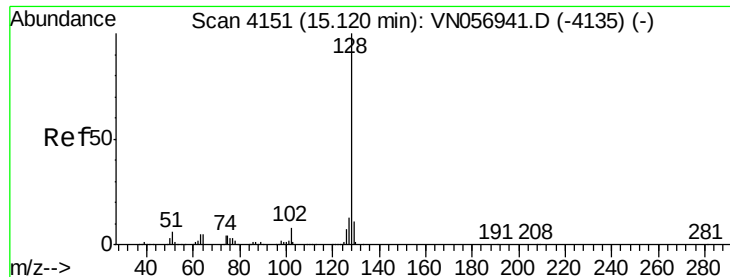
223 64.5 30.8 92.4

227 65.2 31.1 93.5



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





#95

Naphthalene

Concen: 16.049 ug/l

RT: 15.12 min Scan# 4151

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

Instrument :

MSVOA_N

ClientSampled :

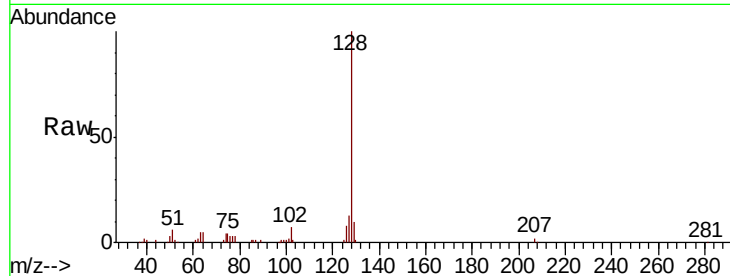
Tot Ion:128 Resp: 119337

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

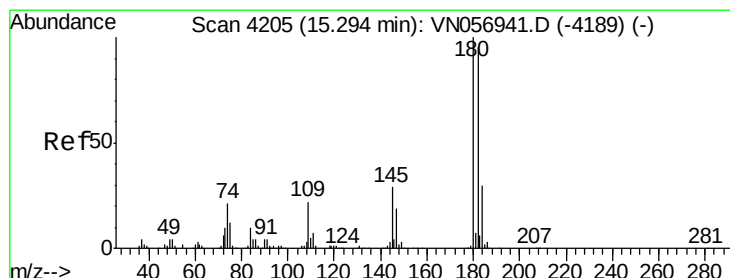
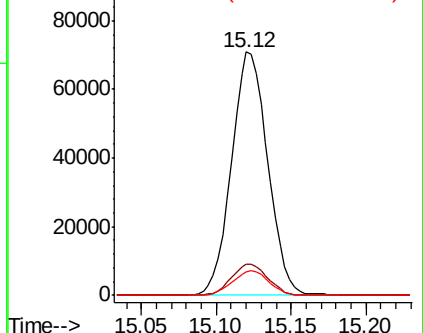
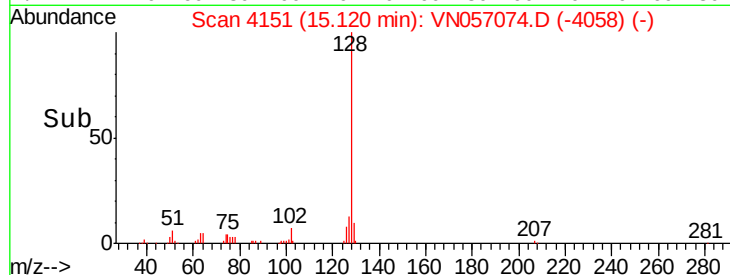
129 10.2 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 17.587 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057074.D

Acq: 5 Aug 2019 11:32

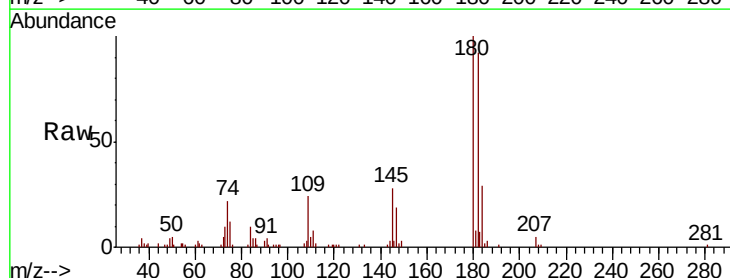
Tgt Ion:180 Resp: 59670

Ion Ratio Lower Upper

180 100

182 93.2 48.0 144.2

145 28.1 15.0 45.0



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

