

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
 Data File : VN057072.D
 Acq On : 5 Aug 2019 10:45
 Operator : JC/SP
 Sample : VN0805WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:07:31 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	7.65	168	482594	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	685500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	597290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	220791	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	212248	42.96	ug/l	0.00
Spiked Amount						
			Recovery	=	85.92%	
35) Dibromofluoromethane	7.58	113	194425	44.30	ug/l	0.00
Spiked Amount						
			Recovery	=	88.60%	
50) Toluene-d8	10.08	98	713560	42.64	ug/l	0.00
Spiked Amount						
			Recovery	=	85.28%	
62) 4-Bromofluorobenzene	12.40	95	224852	41.27	ug/l	0.00
Spiked Amount						
			Recovery	=	82.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	98700	20.231	ug/l	99
3) Chloromethane	2.05	50	105692	18.091	ug/l	100
4) Vinyl Chloride	2.18	62	99206	18.110	ug/l	97
5) Bromomethane	2.55	94	66435	19.508	ug/l	96
6) Chloroethane	2.69	64	56209	18.614	ug/l	99
7) Trichlorofluoromethane	3.00	101	147430	20.560	ug/l	97
8) Diethyl Ether	3.40	74	53611	19.977	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	90342	20.321	ug/l	98
10) Methyl Iodide	3.94	142	81322	13.689	ug/l	98
11) Tert butyl alcohol	4.77	59	62235	93.203	ug/l	99
12) 1,1-Dichloroethene	3.72	96	83741	19.741	ug/l	97
13) Acrolein	3.60	56	18631	52.410	ug/l	92
14) Allyl chloride	4.31	41	131987	19.128	ug/l	99
15) Acrylonitrile	4.97	53	184962	94.457	ug/l	99
16) Acetone	3.80	43	173458	96.922	ug/l	100
17) Carbon Disulfide	4.04	76	195348	17.331	ug/l	99
18) Methyl Acetate	4.31	43	107060	18.752	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	255192	20.176	ug/l	98
20) Methylene Chloride	4.54	84	98218	19.052	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	87351	19.389	ug/l	95
22) Diisopropyl ether	5.93	45	283198	19.919	ug/l	98
23) Vinyl Acetate	5.88	43	932198	94.634	ug/l	99
24) 1,1-Dichloroethane	5.83	63	165342	19.711	ug/l	99
25) 2-Butanone	6.82	43	234395	92.364	ug/l	97
26) 2,2-Dichloropropane	6.81	77	127696	20.021	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	105107	19.726	ug/l	99
28) Bromochloromethane	7.18	49	76701	19.453	ug/l	97
29) Tetrahydrofuran	7.20	42	149348	90.200	ug/l	99
30) Chloroform	7.36	83	169729	19.790	ug/l	97
31) Cyclohexane	7.64	56	147383	18.157	ug/l	92
32) 1,1,1-Trichloroethane	7.56	97	142601	20.839	ug/l	98
36) 1,1-Dichloropropene	7.78	75	118821	19.699	ug/l	99
37) Ethyl Acetate	6.91	43	94028	19.463	ug/l	99
38) Carbon Tetrachloride	7.76	117	120113	21.052	ug/l	92

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 MSVOA_N
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149707	19.419	ug/l	99
40) Benzene	8.03	78	379160	20.409	ug/l	99
41) Methacrylonitrile	7.17	41	50798	22.745	ug/l #	85
42) 1,2-Dichloroethane	8.11	62	120872	20.759	ug/l	100
43) Isopropyl Acetate	8.15	43	151805	19.012	ug/l	98
44) Trichloroethene	8.82	130	105013	20.517	ug/l	100
45) 1,2-Dichloropropane	9.11	63	100315	20.187	ug/l	99
46) Dibromomethane	9.20	93	63166	21.077	ug/l	97
47) Bromodichloromethane	9.39	83	124032	21.050	ug/l	100
48) Methyl methacrylate	9.19	41	74293	19.272	ug/l	97
49) 1,4-Dioxane	9.19	88	31795	400.214	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	458103	96.558	ug/l	100
52) Toluene	10.15	92	232746	20.851	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	125791	20.573	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	146578	20.618	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	91357	20.409	ug/l	97
56) Ethyl methacrylate	10.42	69	121417	19.089	ug/l	100
57) 1,3-Dichloropropane	10.70	76	154650	20.834	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	192491	71.759	ug/l	98
59) 2-Hexanone	10.74	43	320375	89.311	ug/l	100
60) Dibromochloromethane	10.90	129	98552	21.489	ug/l	100
61) 1,2-Dibromoethane	11.00	107	90795	20.784	ug/l	99
64) Tetrachloroethene	10.62	164	107965	20.976	ug/l	98
65) Chlorobenzene	11.43	112	250261	20.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	97350	21.246	ug/l	98
67) Ethyl Benzene	11.50	91	430662	20.469	ug/l	99
68) m/p-Xylenes	11.62	106	323511	41.664	ug/l	99
69) o-Xylene	11.94	106	157751	20.766	ug/l	100
70) Styrene	11.96	104	250983	19.861	ug/l	99
71) Bromoform	12.12	173	66187	20.690	ug/l #	100
73) Isopropylbenzene	12.25	105	430701	22.571	ug/l	99
74) N-amyl acetate	12.07	43	112495	20.304	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	115747	22.599	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	132416	29.531	ug/l #	100
77) Bromobenzene	12.52	156	107907	21.667	ug/l	98
78) n-propylbenzene	12.59	91	447798	21.979	ug/l	99
79) 2-Chlorotoluene	12.67	91	273182	21.775	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	361800	23.102	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	28581	20.480	ug/l	94
82) 4-Chlorotoluene	12.77	91	252621	21.517	ug/l	98
83) tert-Butylbenzene	12.99	119	321446	23.186	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	346434	22.990	ug/l	99
85) sec-Butylbenzene	13.17	105	400077	22.372	ug/l	99
86) p-Isopropyltoluene	13.29	119	355480	22.390	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	160060	21.129	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	146080	20.031	ug/l	98
89) n-Butylbenzene	13.61	91	253178	20.691	ug/l	98
90) Hexachloroethane	13.87	117	60454	22.114	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	162708	21.823	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14699	19.368	ug/l	97

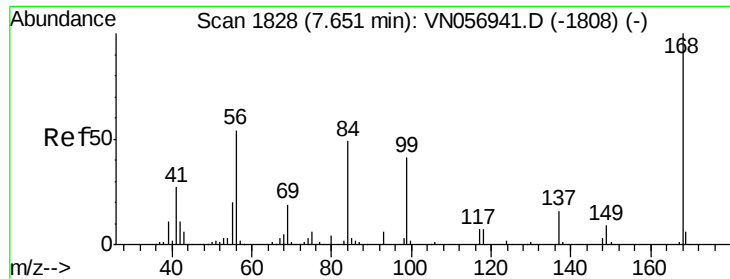
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080519\
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Quant Title : SW846 8260
QLast Update : Sat Jul 27 01:33:29 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	52007	15.500	ug/l	98
94) Hexachlorobutadiene	15.01	225	71473	25.839	ug/l	99
95) Naphthalene	15.12	128	118852	15.348	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	60801	17.052	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

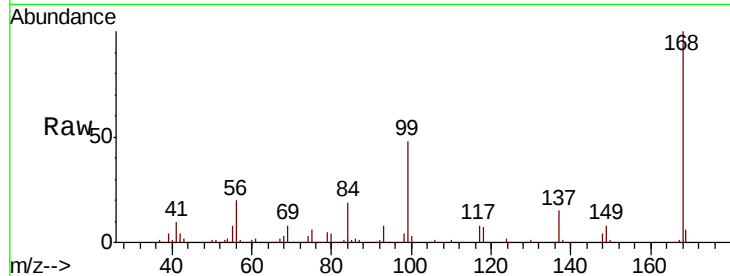
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 482594

Ion Ratio Lower Upper

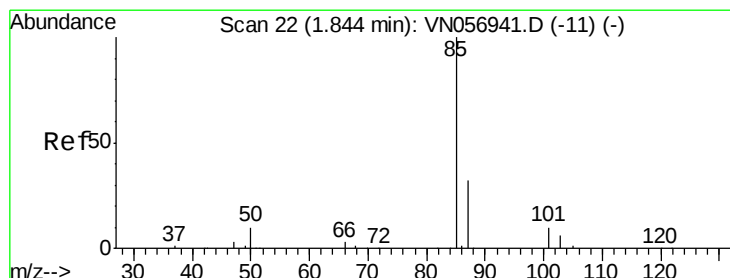
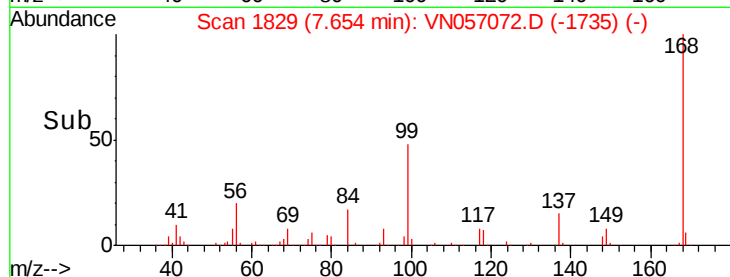
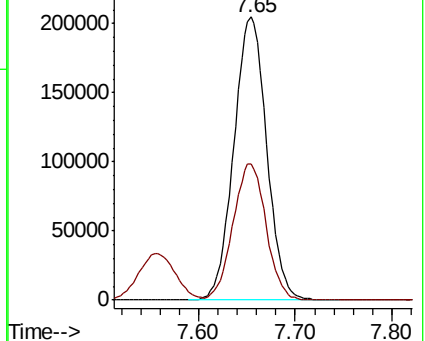
168 100

99 48.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 20.231 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057072.D

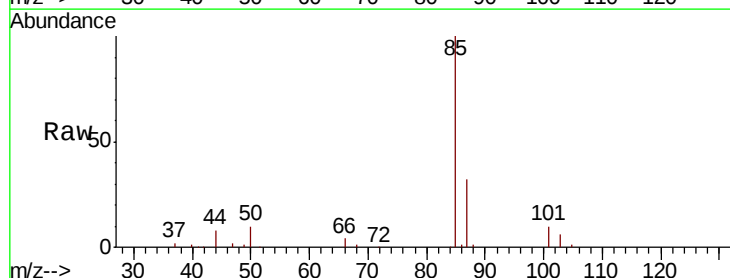
Acq: 5 Aug 2019 10:45

Tgt Ion: 85 Resp: 98700

Ion Ratio Lower Upper

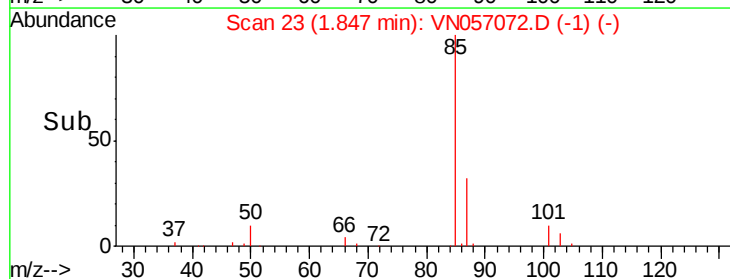
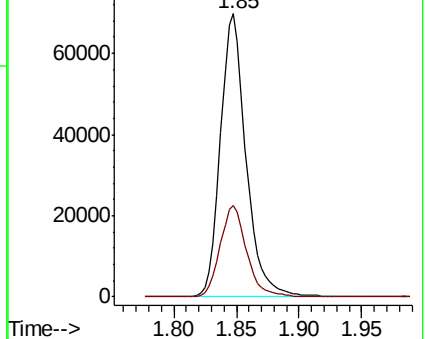
85 100

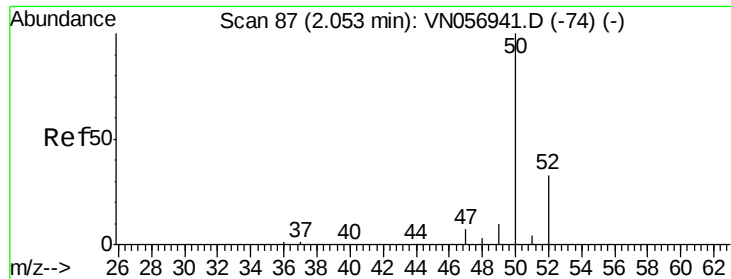
87 32.3 15.8 47.4



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.091 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

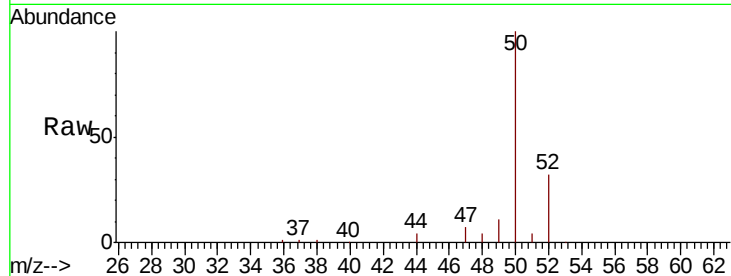
ClientSampleId :

Tot Ion: 50 Resp: 105692

Ion Ratio Lower Upper

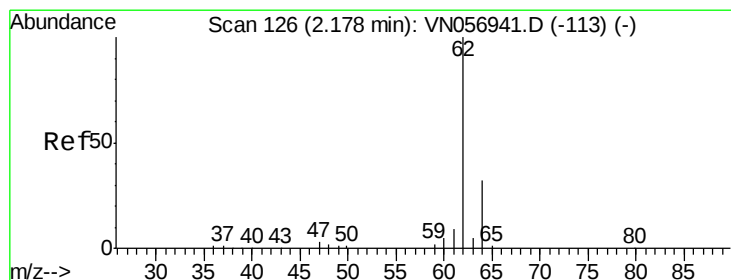
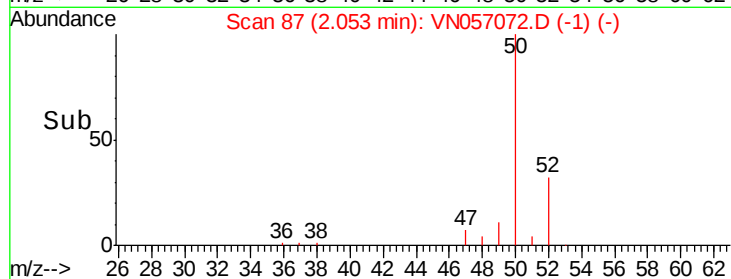
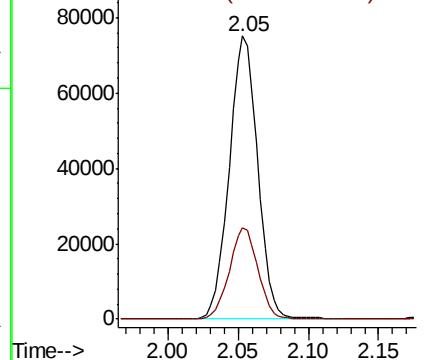
50 100

52 32.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 18.110 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057072.D

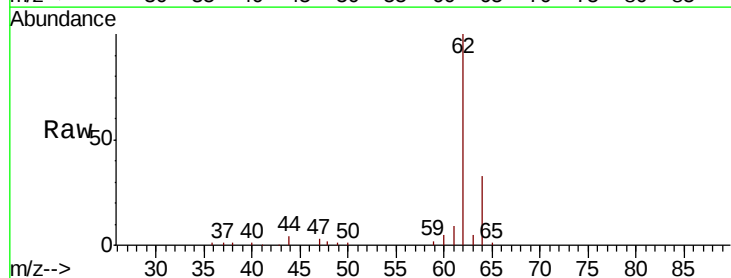
Acq: 5 Aug 2019 10:45

Tgt Ion: 62 Resp: 99206

Ion Ratio Lower Upper

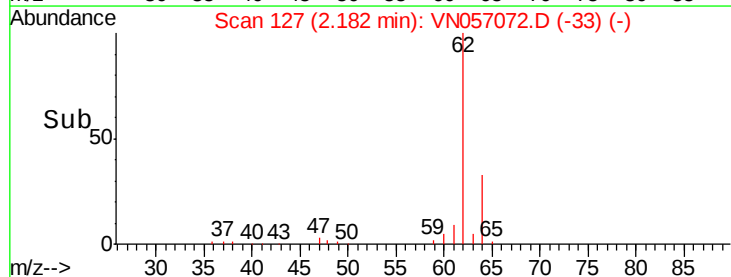
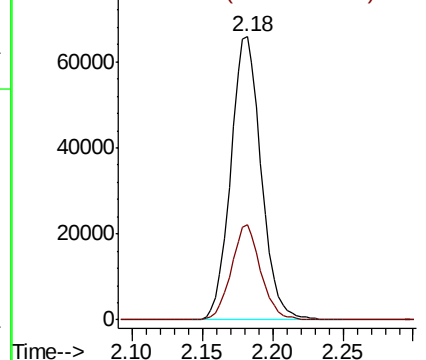
62 100

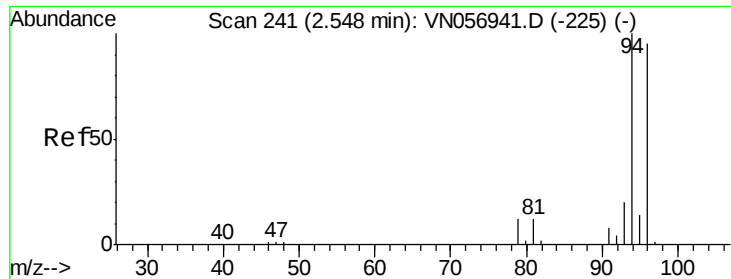
64 33.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 19.508 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

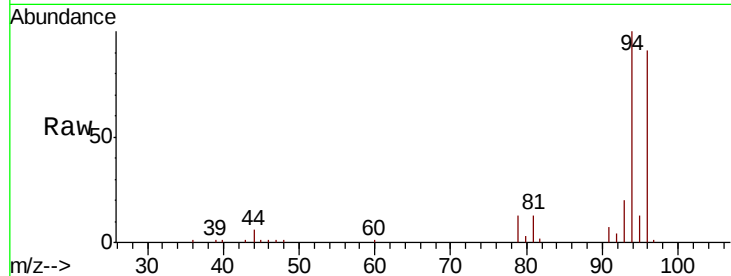
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 66435

Ion Ratio Lower Upper

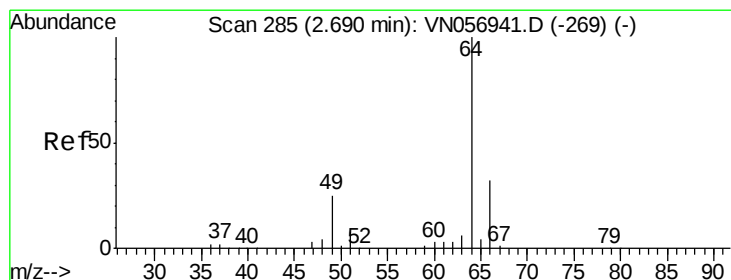
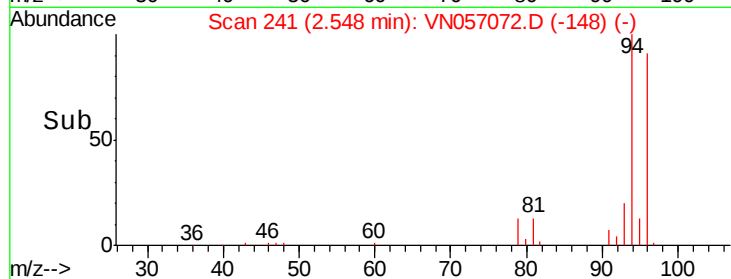
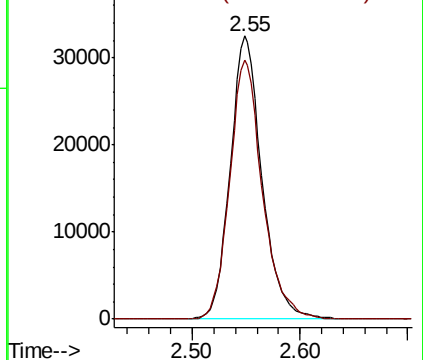
94 100

96 91.4 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: 18.614 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.00 min

Lab File: VN057072.D

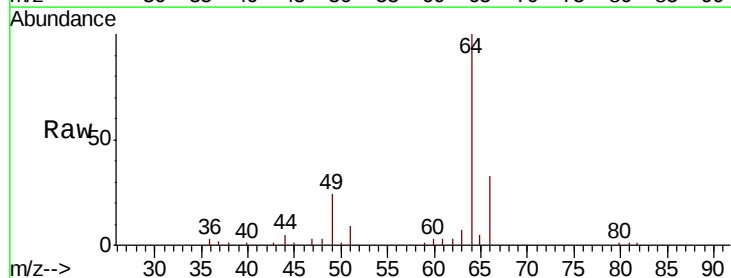
Acq: 5 Aug 2019 10:45

Tgt Ion: 64 Resp: 56209

Ion Ratio Lower Upper

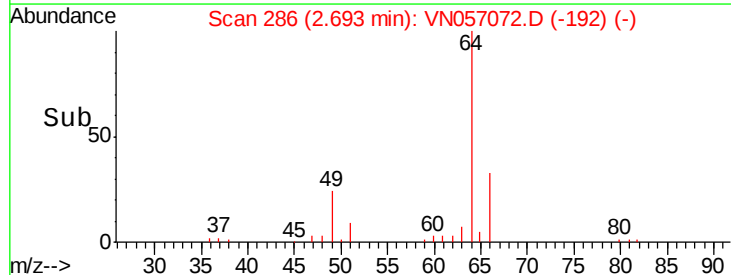
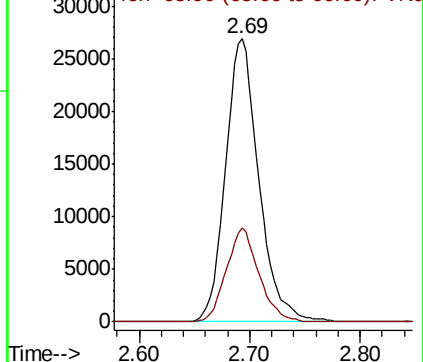
64 100

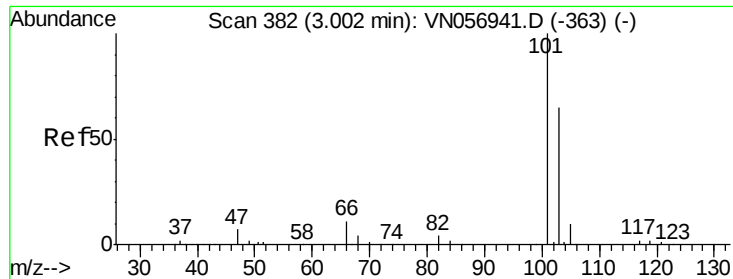
66 33.1 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



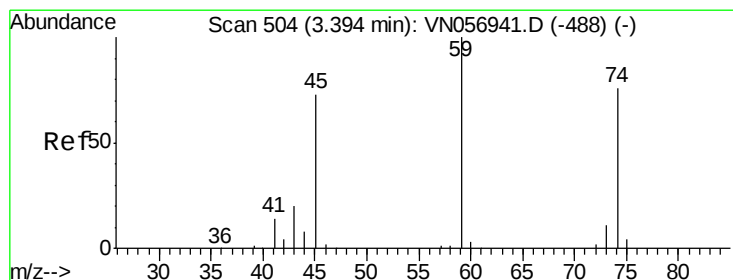
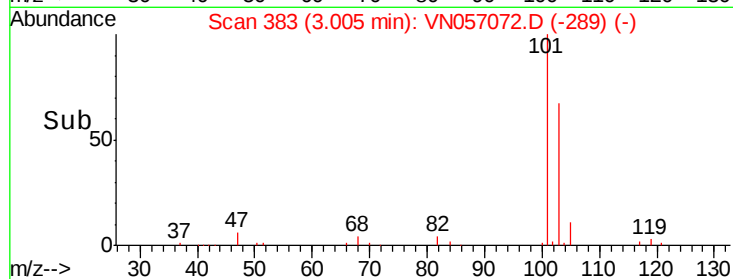
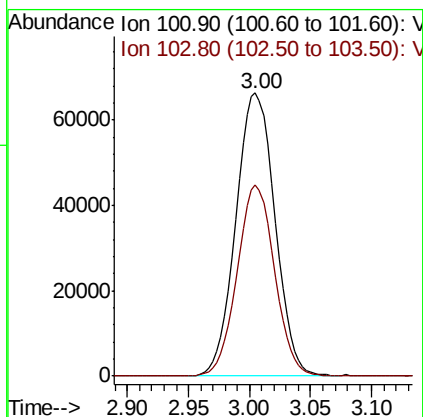
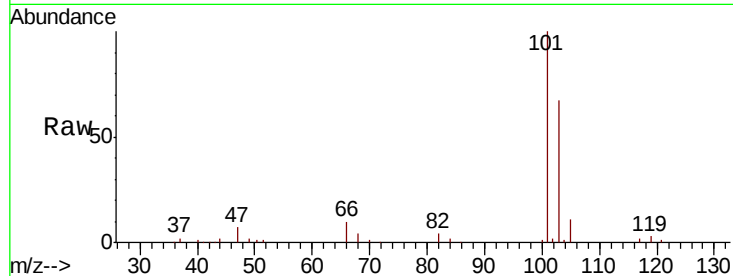


#7

Trichlorofluoromethane
Concen: 20.560 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :

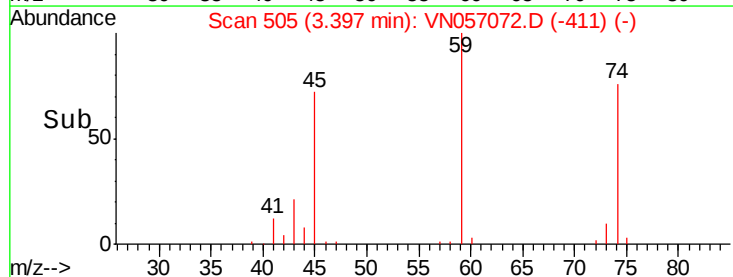
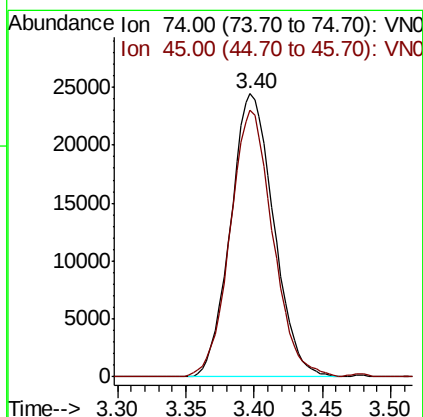
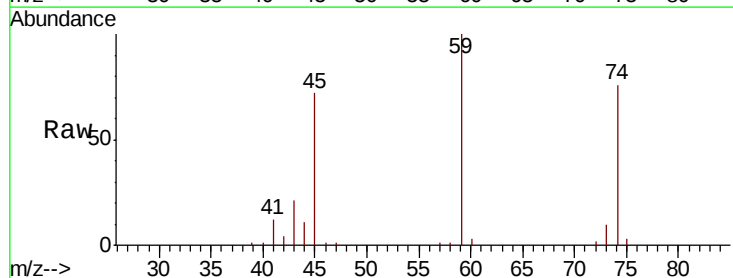
Tot Ion:101 Resp: 147430
Ion Ratio Lower Upper
101 100
103 67.5 52.1 78.1

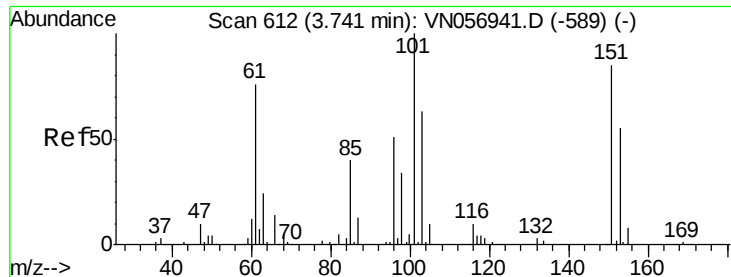


#8

Diethyl Ether
Concen: 19.977 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 74 Resp: 53611
Ion Ratio Lower Upper
74 100
45 93.4 48.1 144.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.321 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

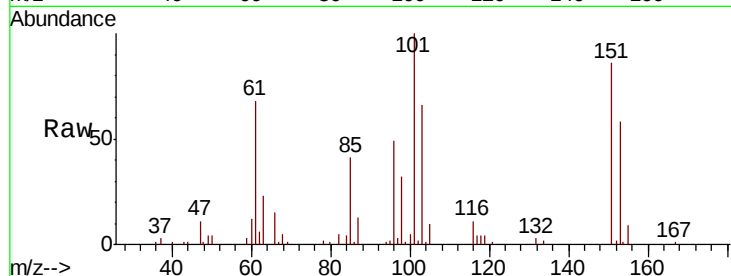
Tot Ion:101 Resp: 90342

Ion Ratio Lower Upper

101 100

85 41.1 32.3 48.5

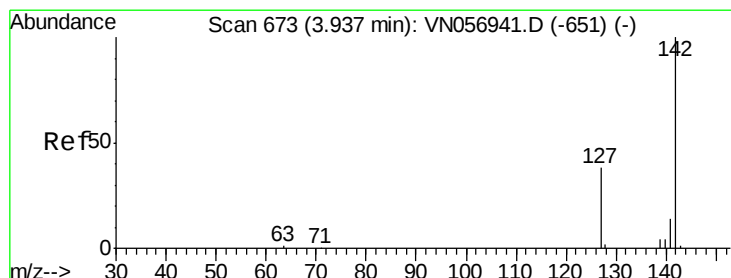
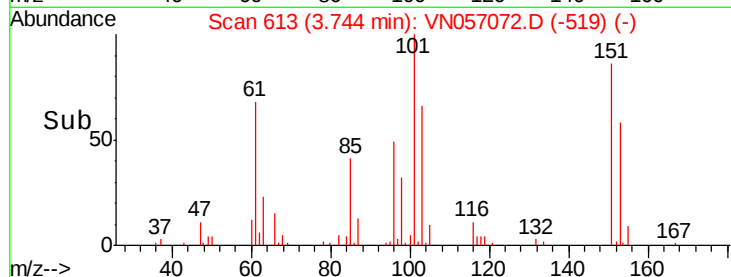
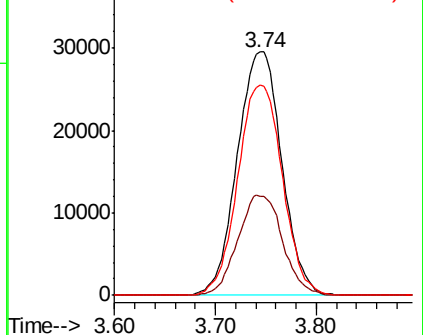
151 86.8 68.0 102.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 13.689 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

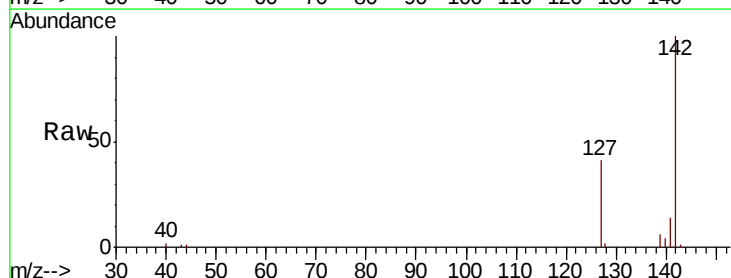
Tgt Ion:142 Resp: 81322

Ion Ratio Lower Upper

142 100

127 39.3 30.4 45.6

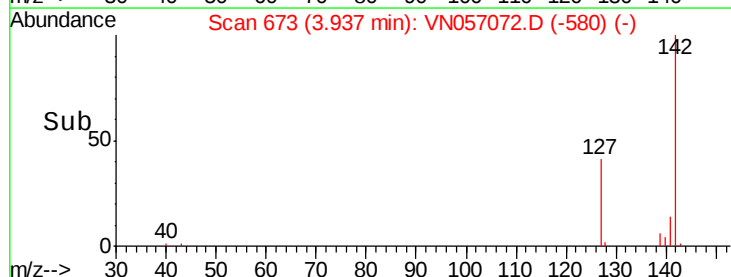
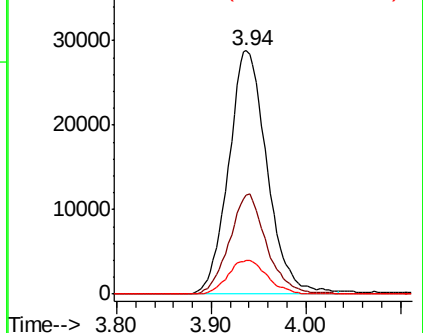
141 14.0 11.1 16.7

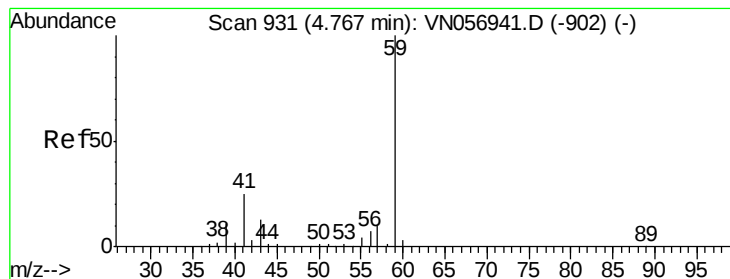


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



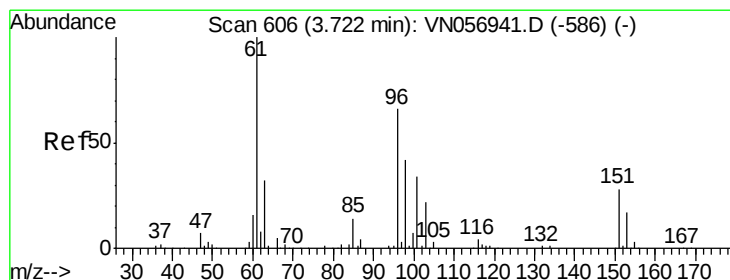
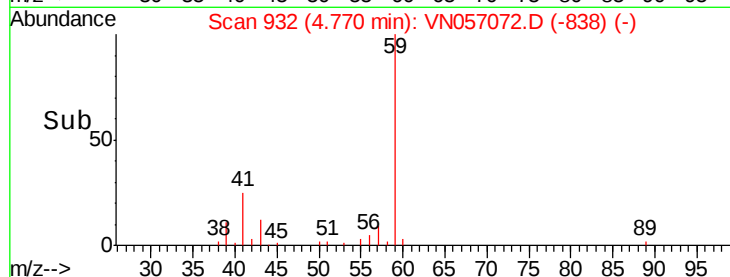
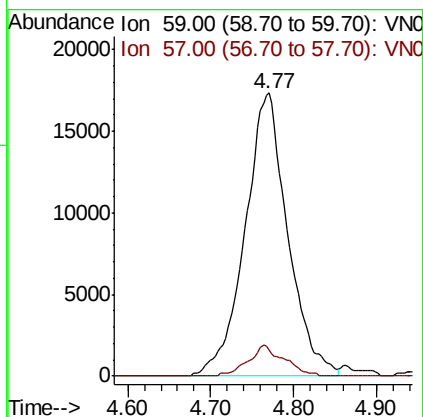
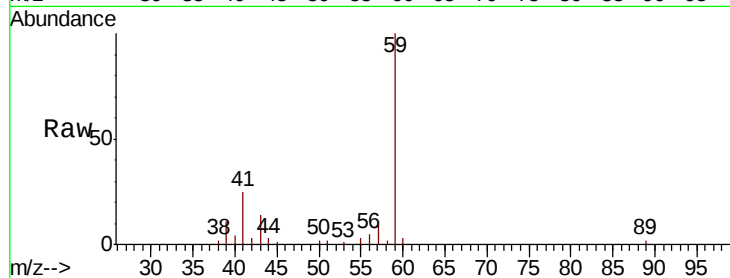


#11

Tert butyl alcohol
 Concen: 93.203 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :

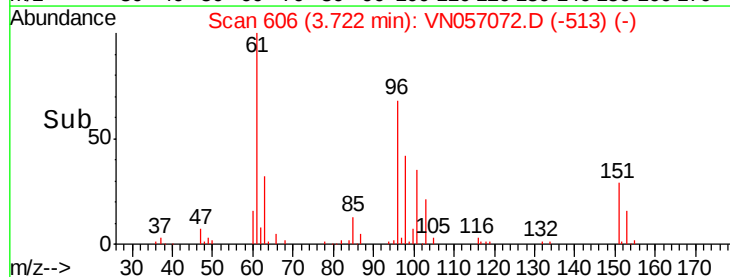
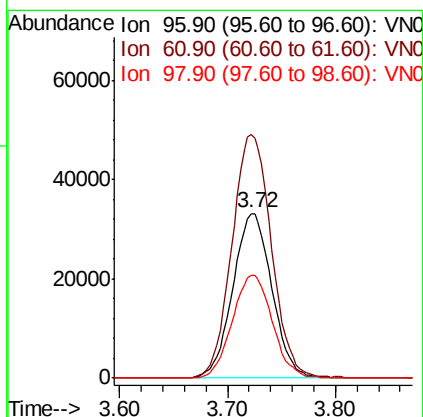
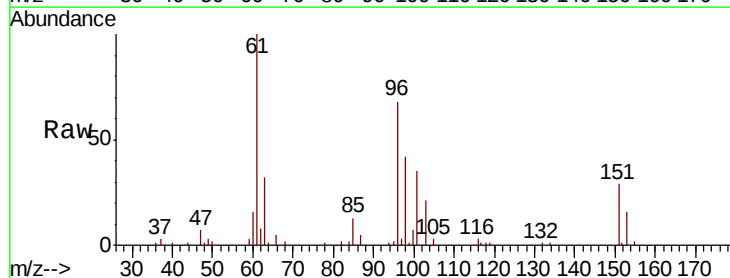
Tot Ion: 59 Resp: 62235
 Ion Ratio Lower Upper
 59 100
 57 8.9 7.5 11.3

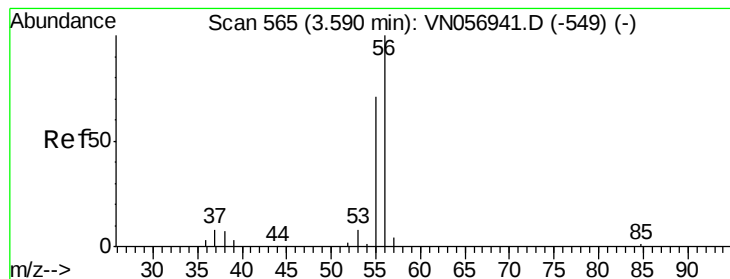


#12

1,1-Dichloroethene
 Concen: 19.741 ug/l
 RT: 3.72 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 96 Resp: 83741
 Ion Ratio Lower Upper
 96 100
 61 147.9 121.8 182.8
 98 62.7 51.7 77.5





#13

Acrolein

Concen: 52.410 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.01 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

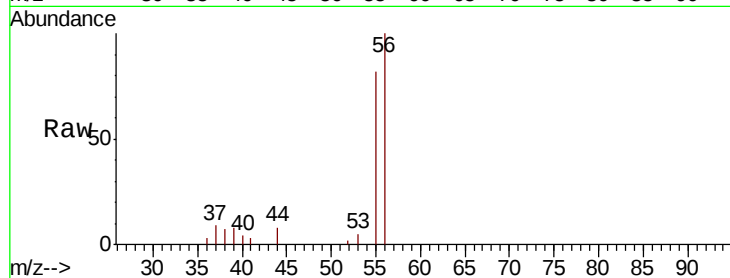
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 18631

Ion Ratio Lower Upper

56 100

55 76.2 55.8 83.6



Abundance Ion 56.00 (55.70 to 56.70): VN056941.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN056941.D (-549) (-)

3.60

8000

6000

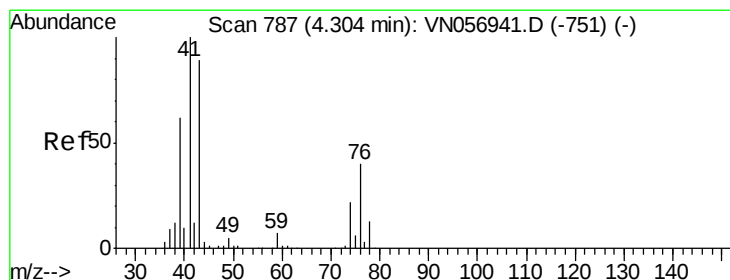
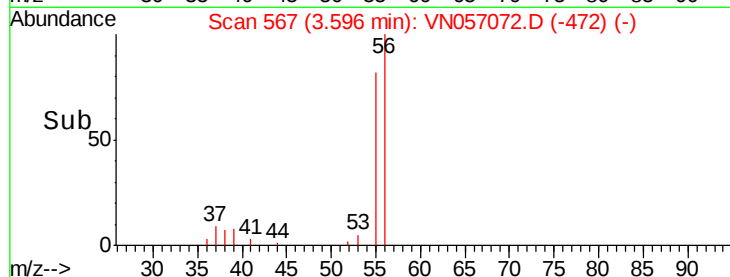
4000

2000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 19.128 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

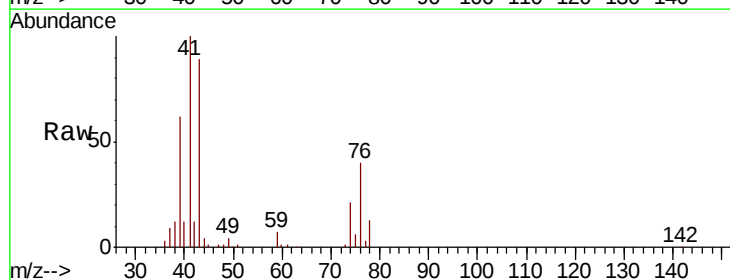
Tgt Ion: 41 Resp: 131987

Ion Ratio Lower Upper

41 100

39 58.5 46.4 69.6

76 35.7 28.4 42.6



Abundance Ion 41.00 (40.70 to 41.70): VN056941.D (-751) (-)

Ion 39.00 (38.70 to 39.70): VN056941.D (-751) (-)

Ion 75.90 (75.60 to 76.60): VN056941.D (-751) (-)

4.31

50000

40000

30000

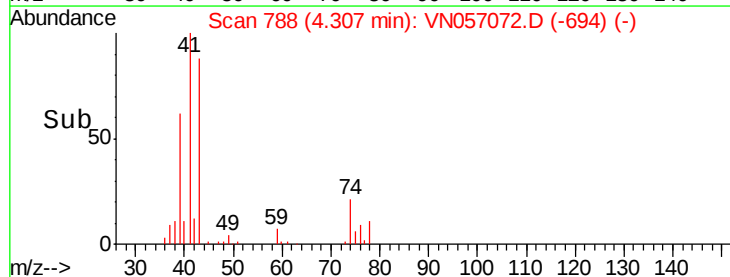
20000

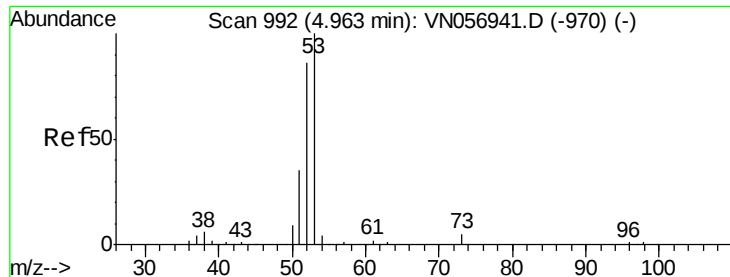
10000

0

Time-->

4.20 4.30 4.40





#15

Acrylonitrile

Concen: 94.457 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

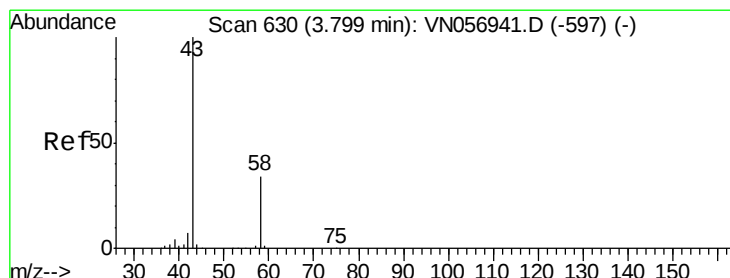
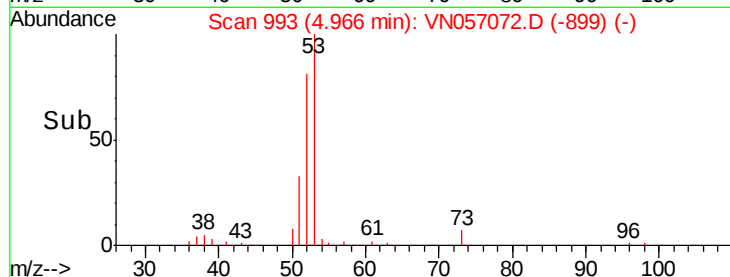
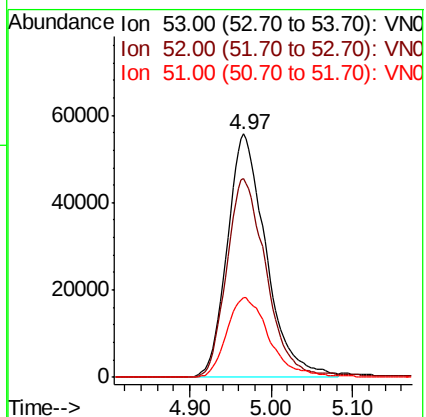
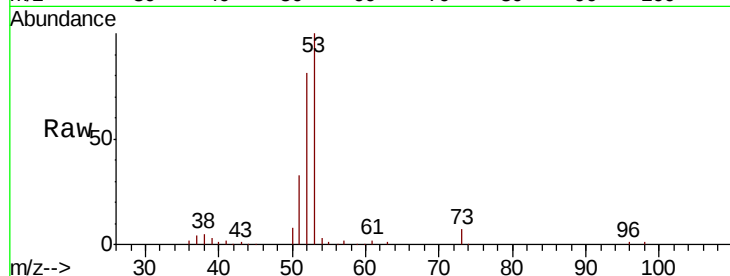
Tot Ion: 53 Resp: 184962

Ion Ratio Lower Upper

53 100

52 82.3 66.5 99.7

51 35.8 28.4 42.6



#16

Acetone

Concen: 96.922 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057072.D

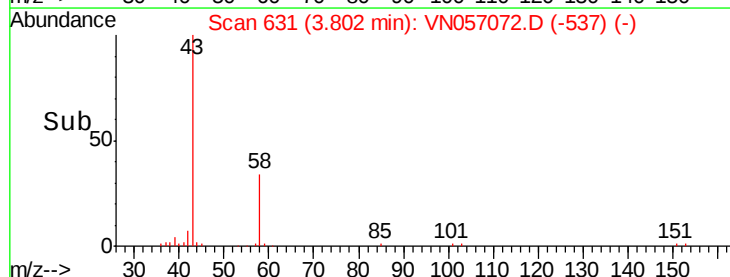
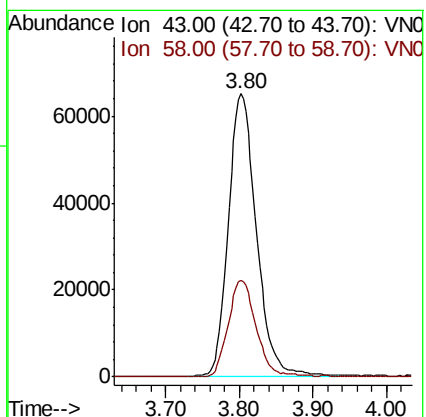
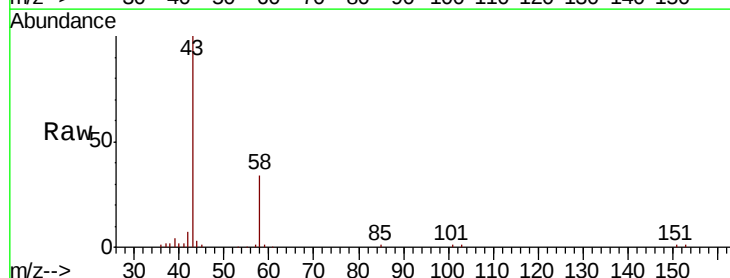
Acq: 5 Aug 2019 10:45

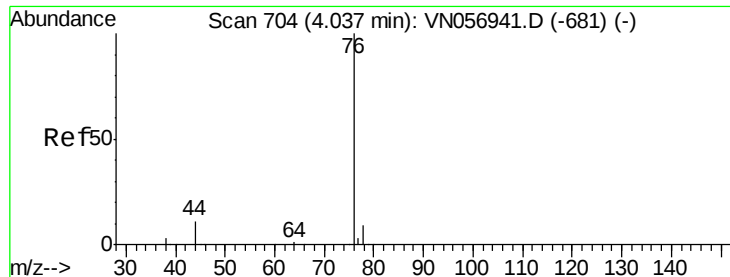
Tgt Ion: 43 Resp: 173458

Ion Ratio Lower Upper

43 100

58 34.0 27.2 40.8

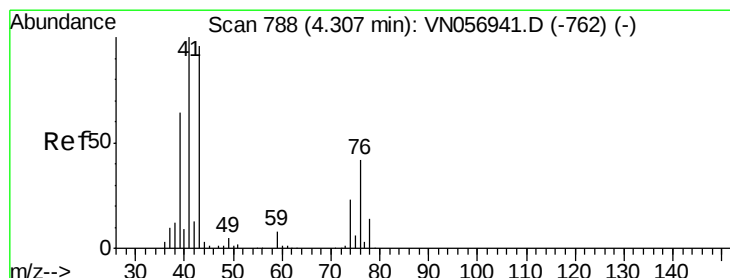
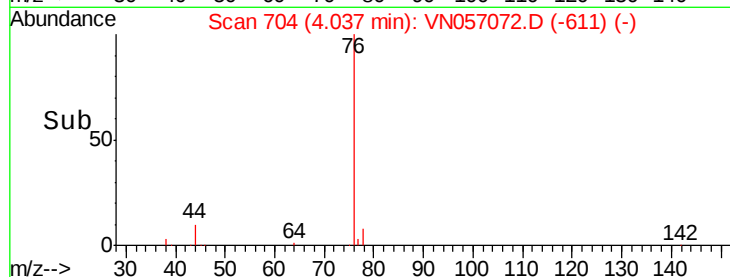
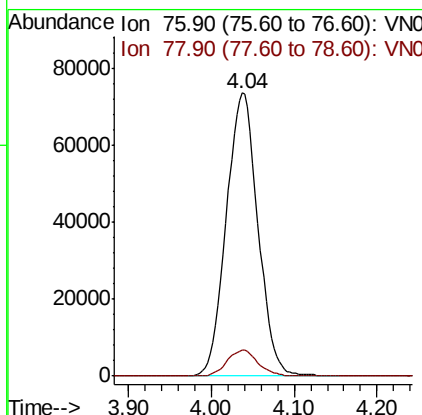
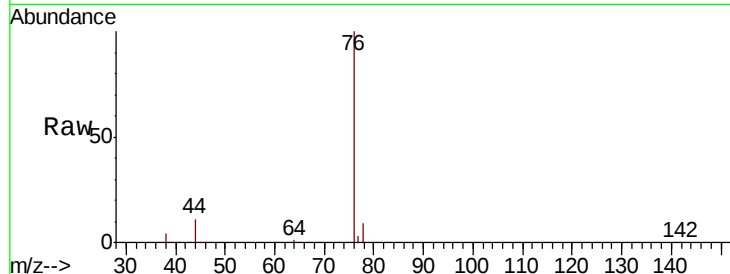




#17
Carbon Disulfide
Concen: 17.331 ug/l
RT: 4.04 min Scan# 704
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

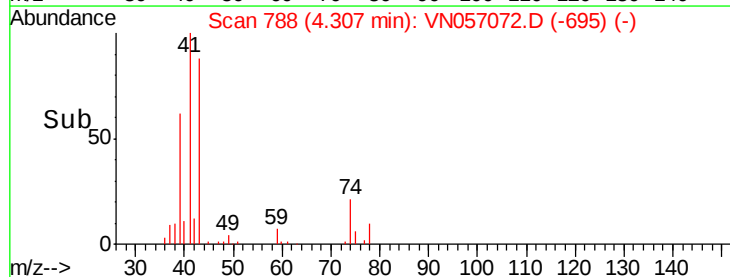
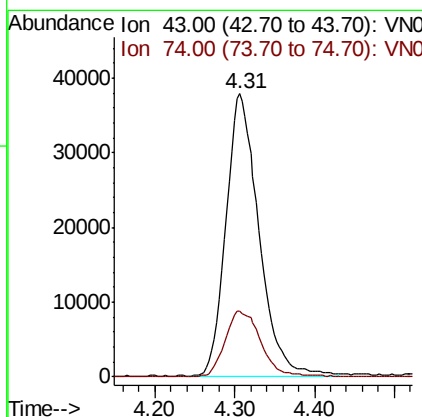
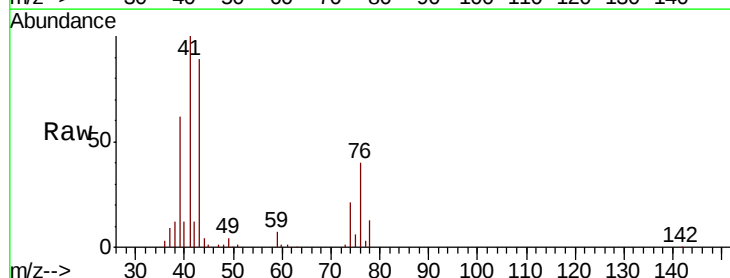
Instrument :
MSVOA_N
ClientSampleId :

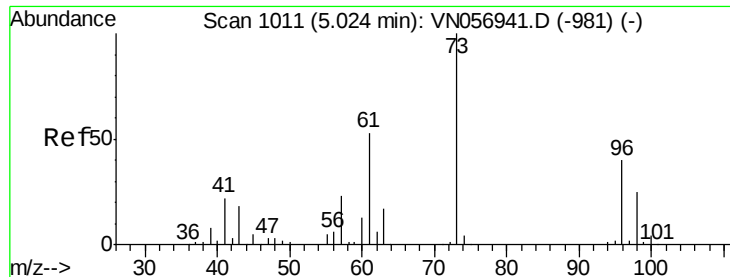
Tot Ion: 76 Resp: 195348
Ion Ratio Lower Upper
76 100
78 9.3 7.2 10.8



#18
Methyl Acetate
Concen: 18.752 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 43 Resp: 107060
Ion Ratio Lower Upper
43 100
74 24.8 19.7 29.5

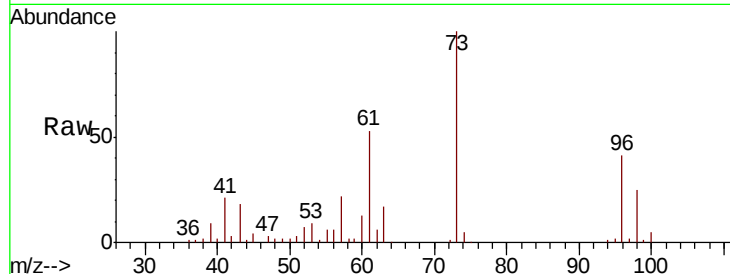




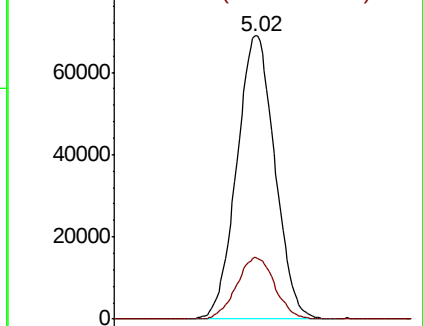
#19
Methyl tert-butyl Ether
Concen: 20.176 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

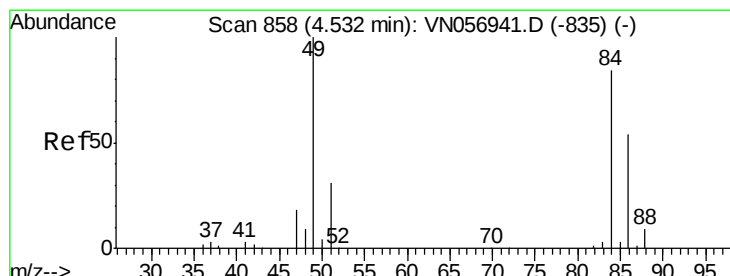
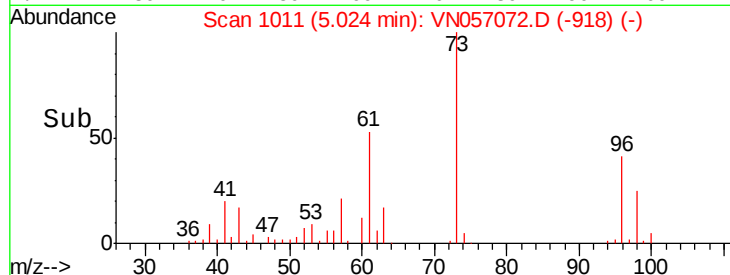
Tot Ion: 73 Resp: 255192
Ion Ratio Lower Upper
73 100
57 21.8 18.3 27.5



Abundance Ion 73.00 (72.70 to 73.70): VN056941.D (-981) (-)
Ion 57.00 (56.70 to 57.70): VN056941.D (-981) (-)

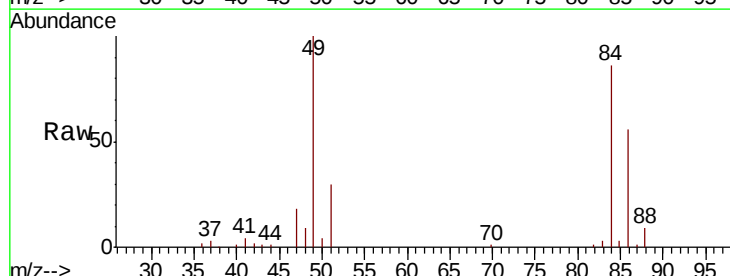


Time-->

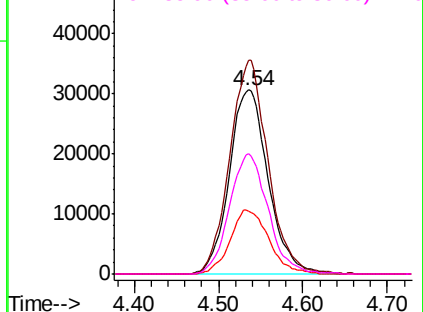


#20
Methylene Chloride
Concen: 19.052 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

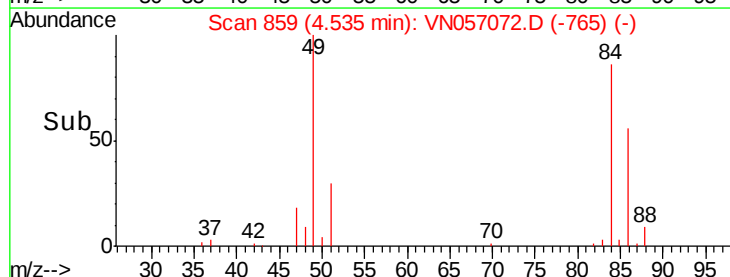
Tgt Ion: 84 Resp: 98218
Ion Ratio Lower Upper
84 100
49 116.2 95.2 142.8
51 34.4 29.7 44.5
86 65.3 51.0 76.6

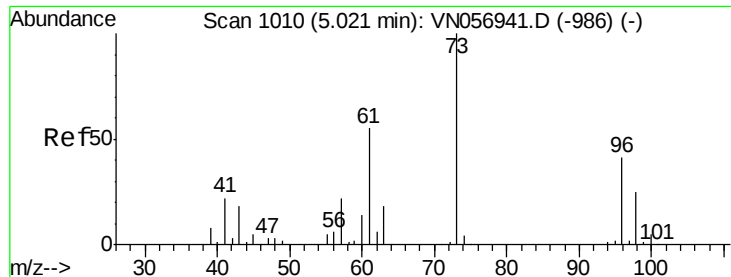


Abundance Ion 83.90 (83.60 to 84.60): VN056941.D (-835) (-)
Ion 48.90 (48.60 to 49.60): VN056941.D (-835) (-)
Ion 50.90 (50.60 to 51.60): VN056941.D (-835) (-)
Ion 85.90 (85.60 to 86.60): VN056941.D (-835) (-)



Time-->



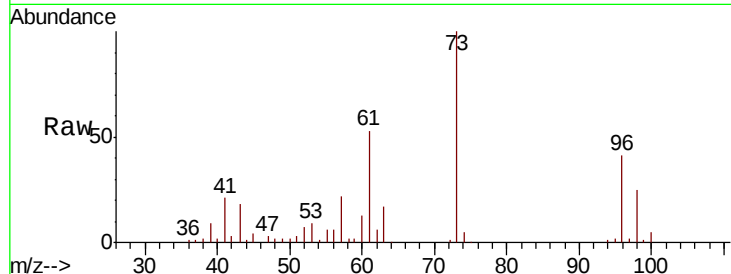


#21

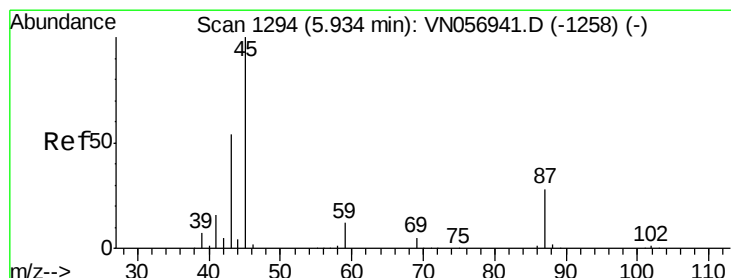
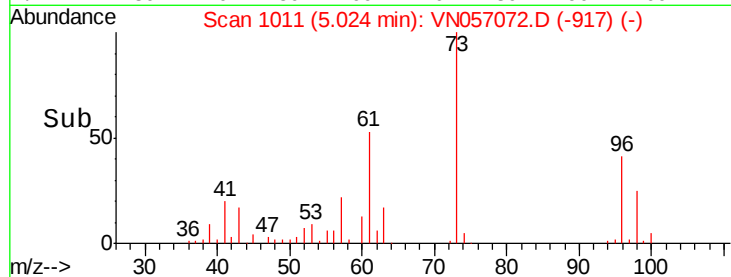
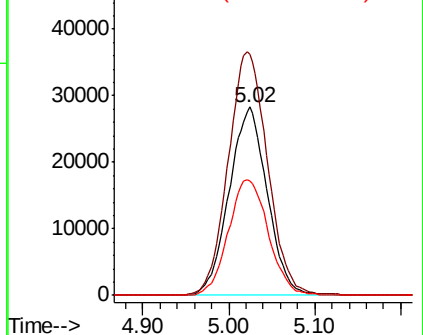
trans-1,2-Dichloroethene
Concen: 19.389 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 87351
Ion Ratio Lower Upper
96 100
61 127.4 107.5 161.3
98 60.7 49.9 74.9



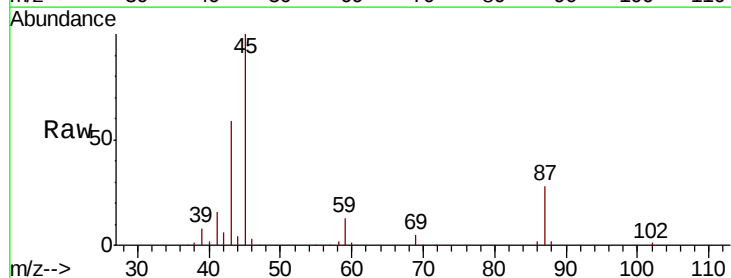
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



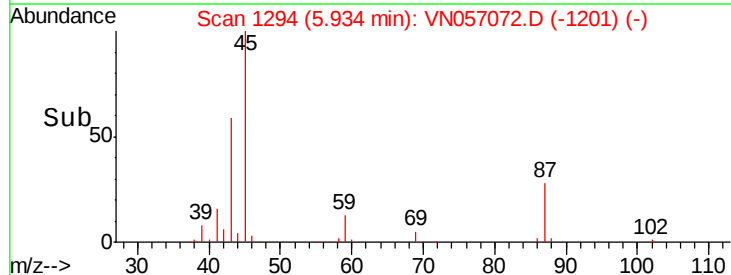
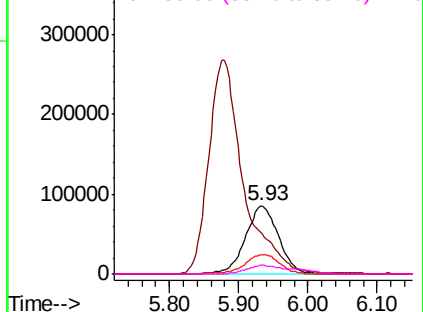
#22

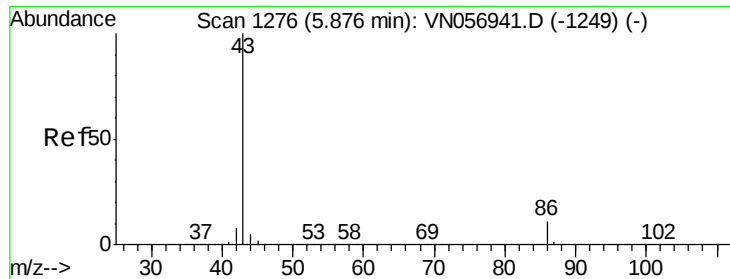
Diisopropyl ether
Concen: 19.919 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 45 Resp: 283198
Ion Ratio Lower Upper
45 100
43 57.6 44.7 67.1
87 28.4 23.0 34.6
59 12.5 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

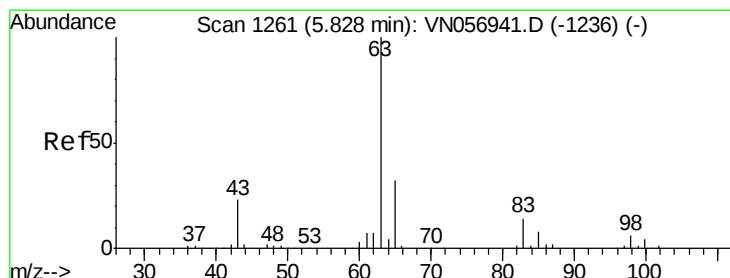
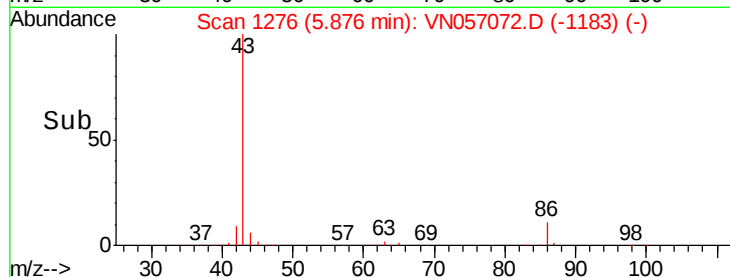
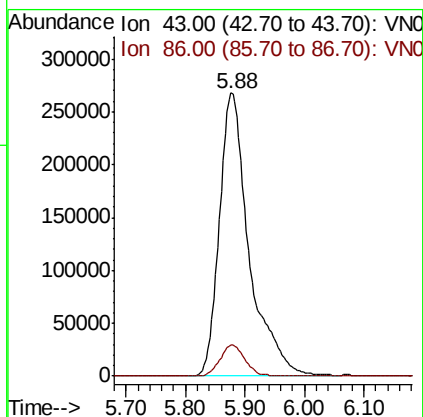
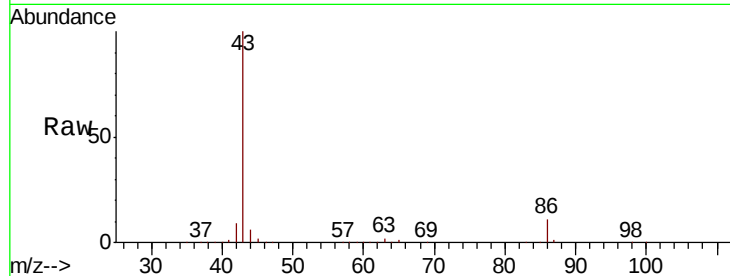




#23
 Vinyl Acetate
 Concen: 94.634 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

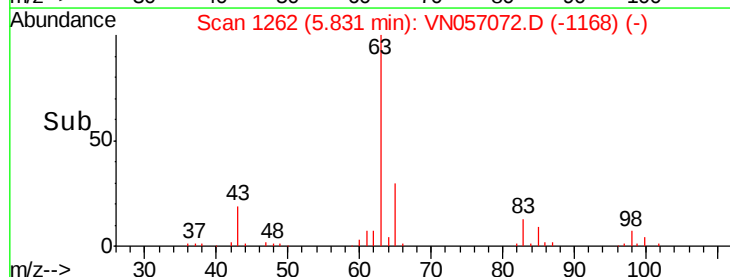
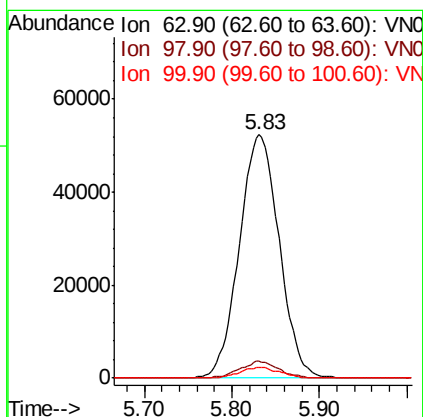
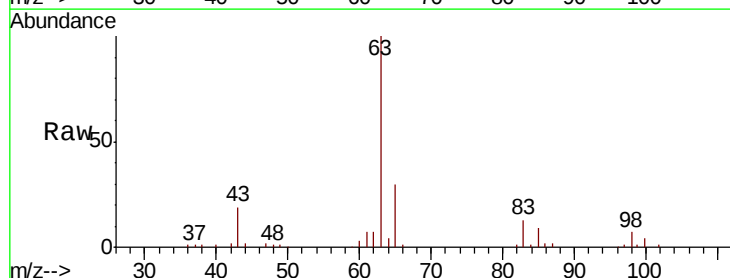
Instrument :
 MSVOA_N
 ClientSampleId :

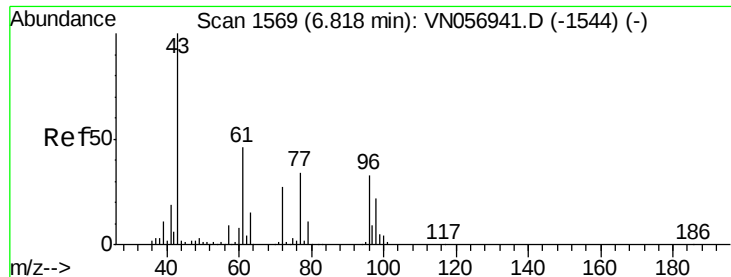
Tot Ion: 43 Resp: 932198
 Ion Ratio Lower Upper
 43 100
 86 11.1 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 19.711 ug/l
 RT: 5.83 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 63 Resp: 165342
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.2 9.6
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 92.364 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

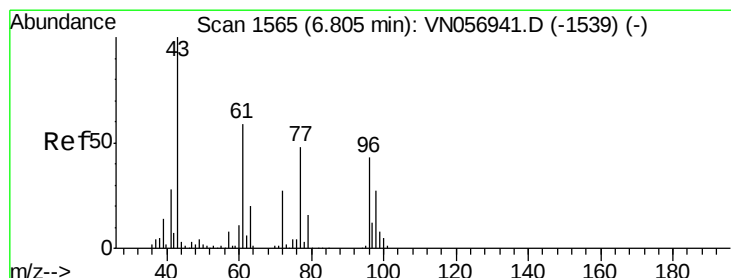
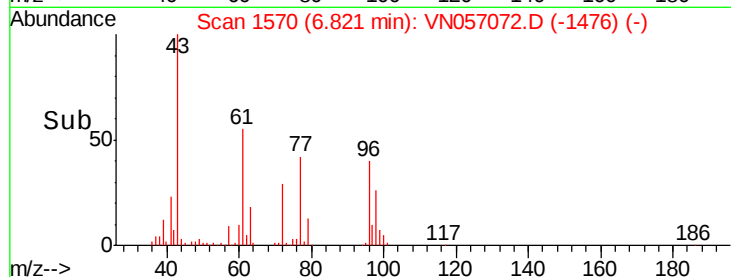
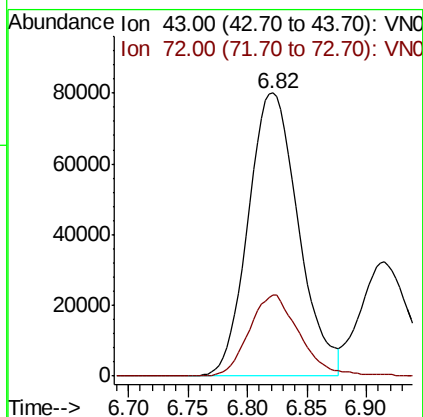
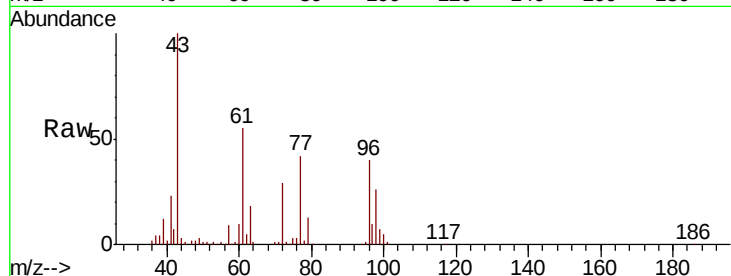
ClientSampleId :

Tot Ion: 43 Resp: 234395

Ion Ratio Lower Upper

43 100

72 28.7 21.5 32.3



#26

2,2-Dichloropropane

Concen: 20.021 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057072.D

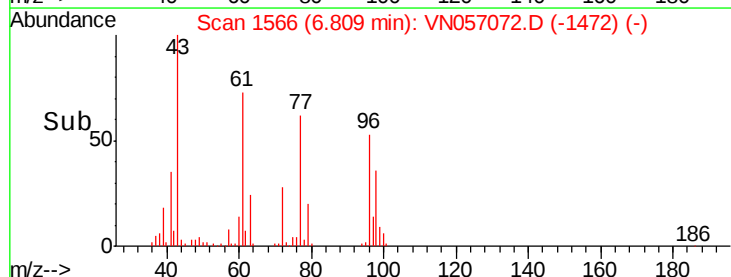
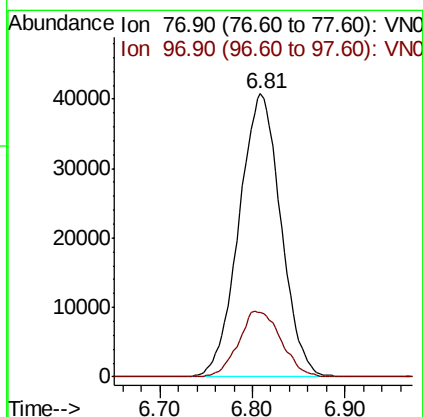
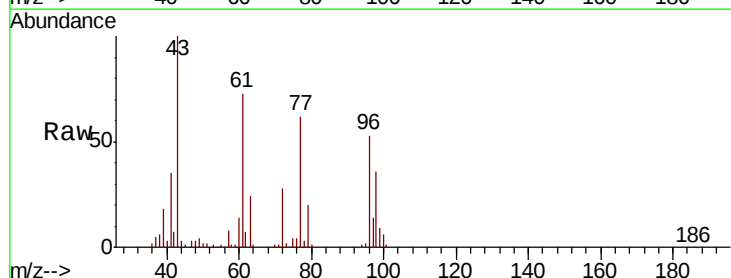
Acq: 5 Aug 2019 10:45

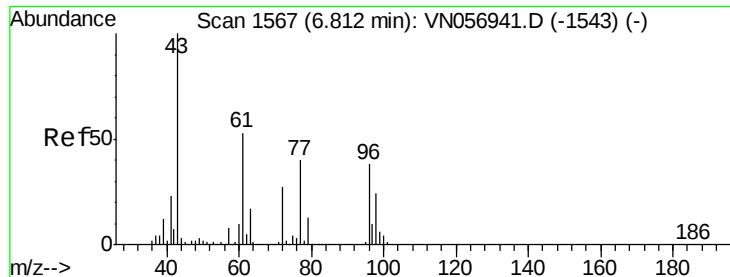
Tgt Ion: 77 Resp: 127696

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.726 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

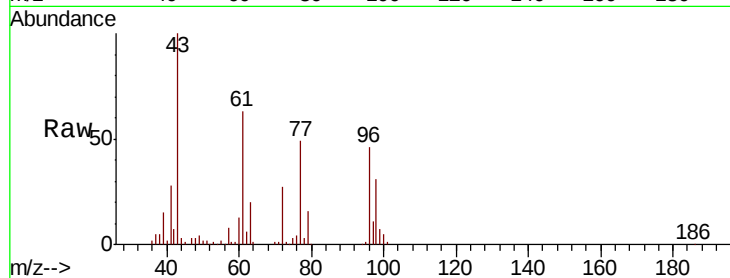
Tot Ion: 96 Resp: 105107

Ion Ratio Lower Upper

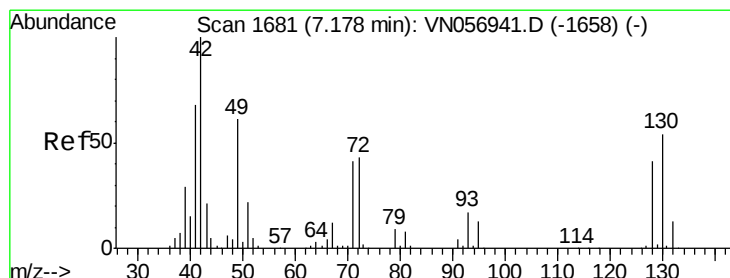
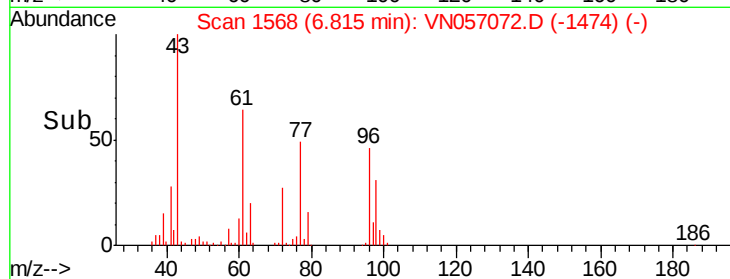
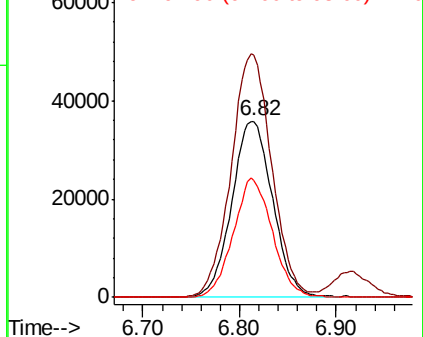
96 100

61 137.1 0.0 277.2

98 64.9 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: 19.453 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

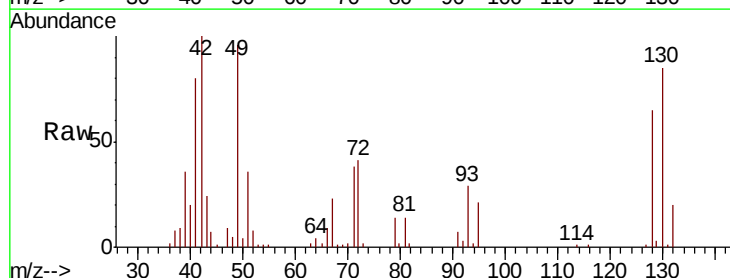
Tgt Ion: 49 Resp: 76701

Ion Ratio Lower Upper

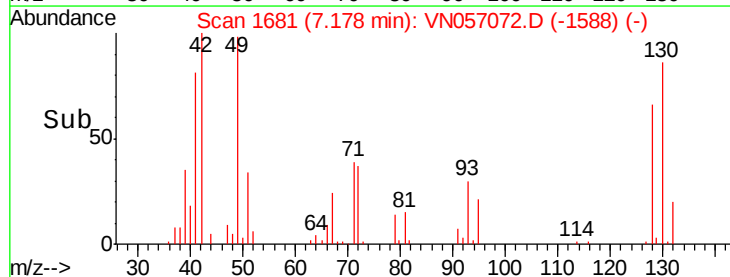
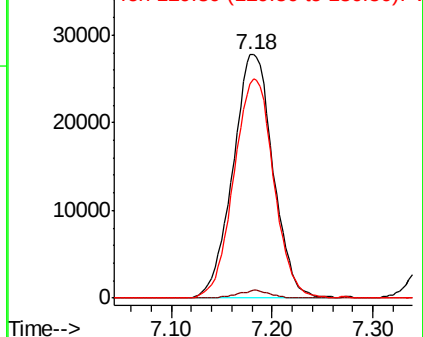
49 100

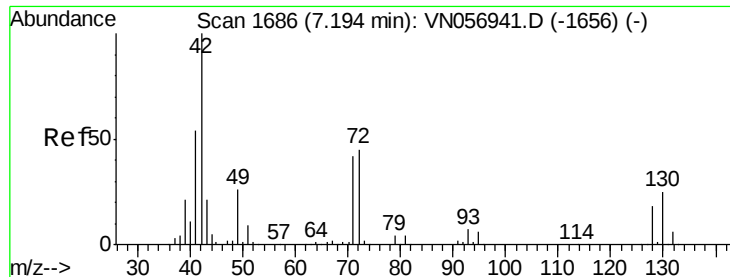
129 2.5 0.0 4.6

130 89.1 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

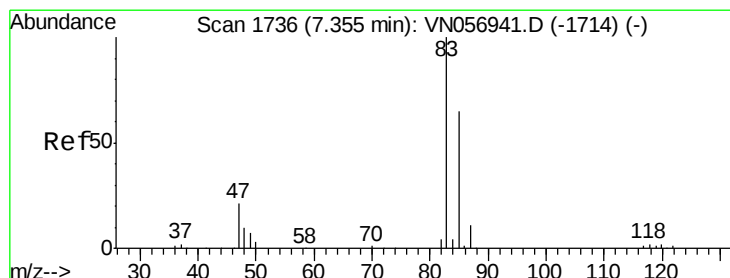
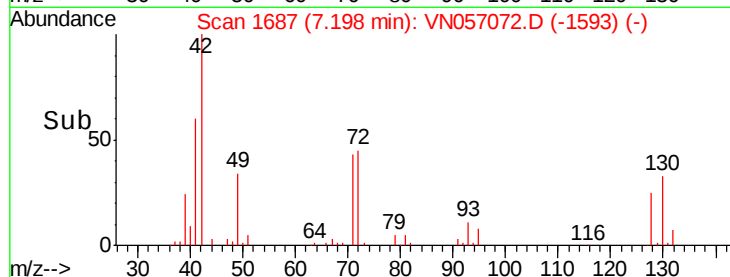
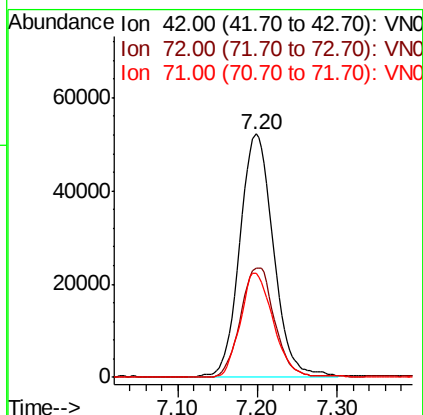
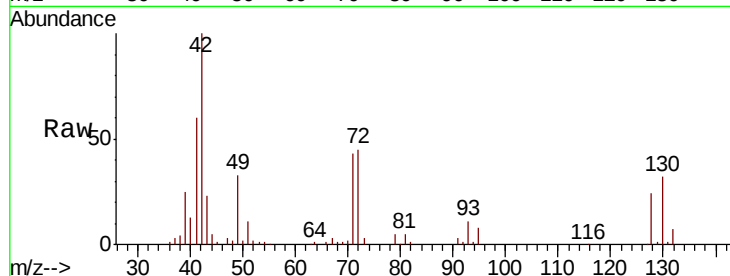




#29
Tetrahydrofuran
Concen: 90.200 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

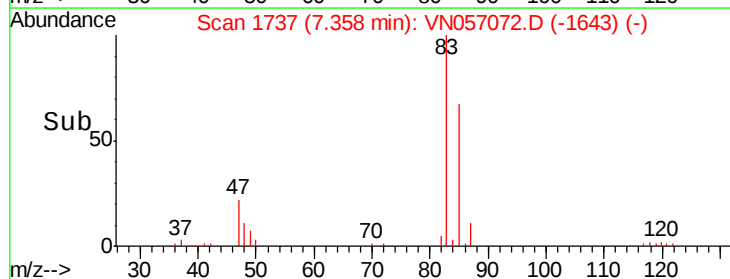
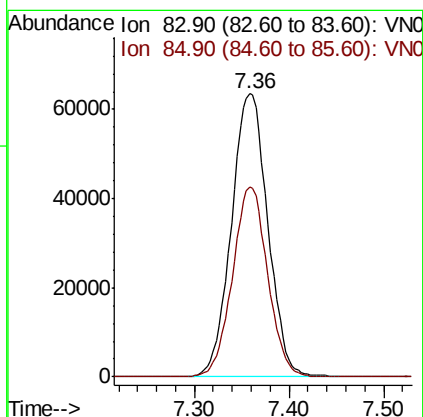
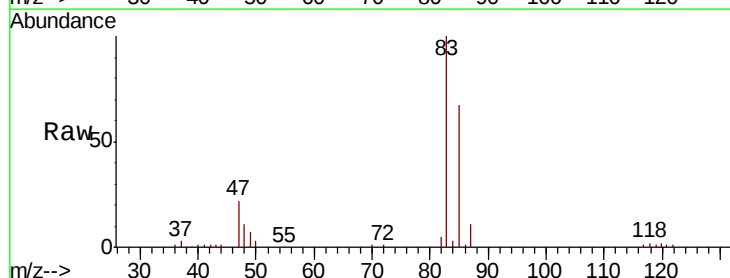
Instrument :
MSVOA_N
ClientSampled :

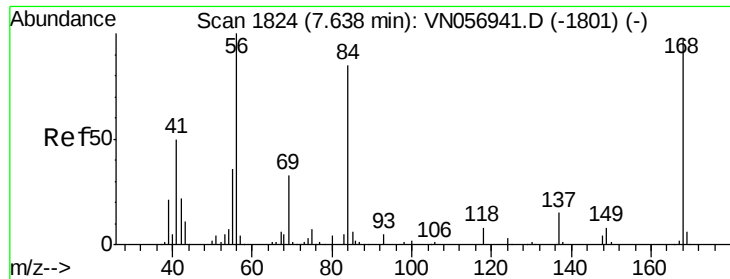
Tot Ion: 42 Resp: 149348
Ion Ratio Lower Upper
42 100
72 45.3 35.6 53.4
71 41.6 33.5 50.3



#30
Chloroform
Concen: 19.790 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 83 Resp: 169729
Ion Ratio Lower Upper
83 100
85 67.3 52.2 78.2

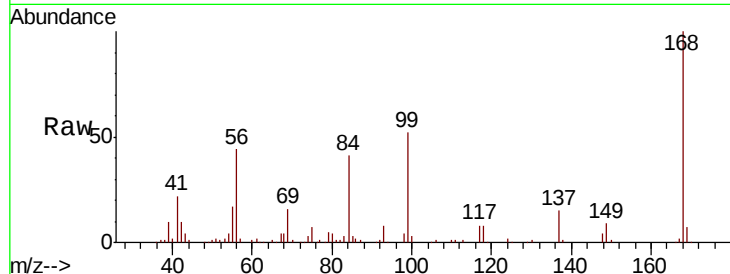




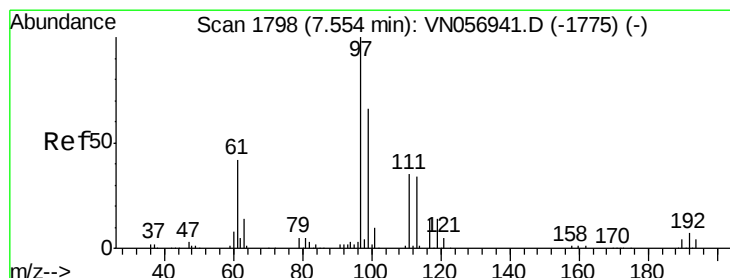
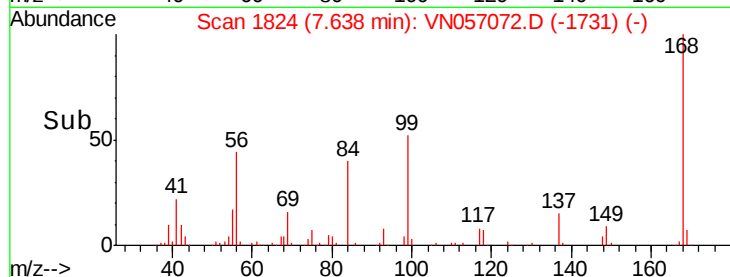
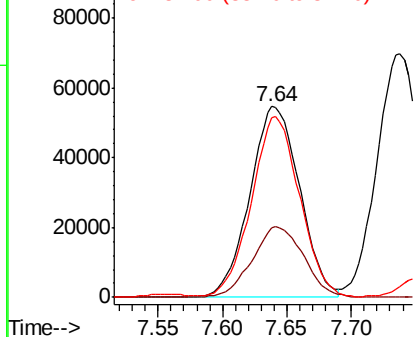
#31
Cyclohexane
Concen: 18.157 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 147383
Ion Ratio Lower Upper
56 100
69 36.3 26.2 39.2
84 93.1 68.2 102.2

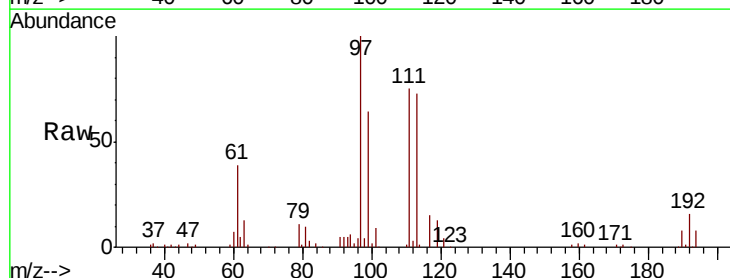


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

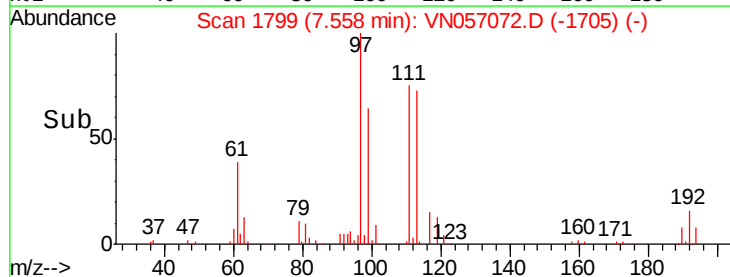
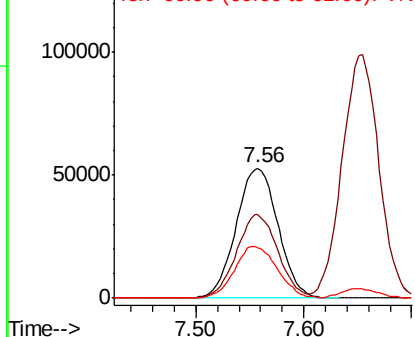


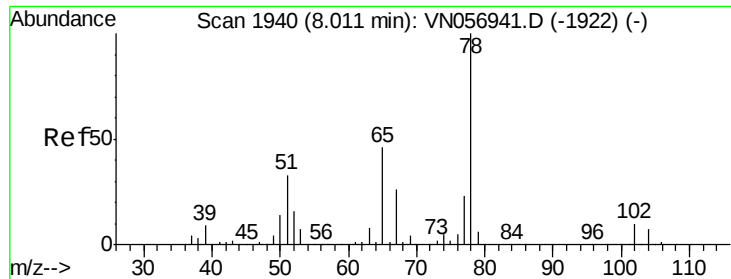
#32
1,1,1-Trichloroethane
Concen: 20.839 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 97 Resp: 142601
Ion Ratio Lower Upper
97 100
99 63.6 52.3 78.5
61 40.7 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

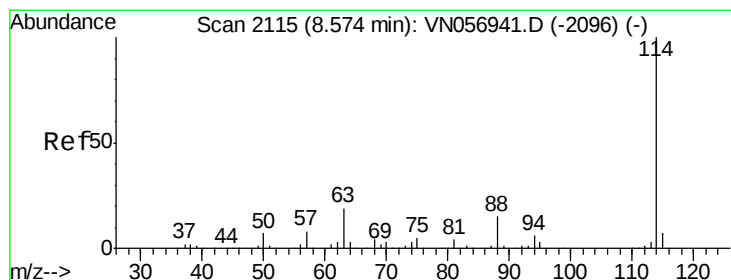
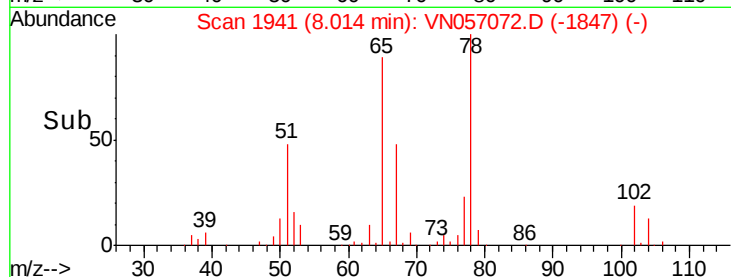
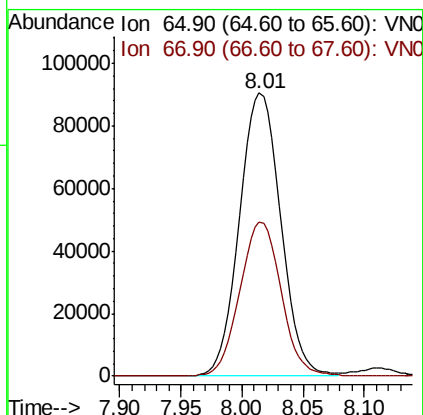
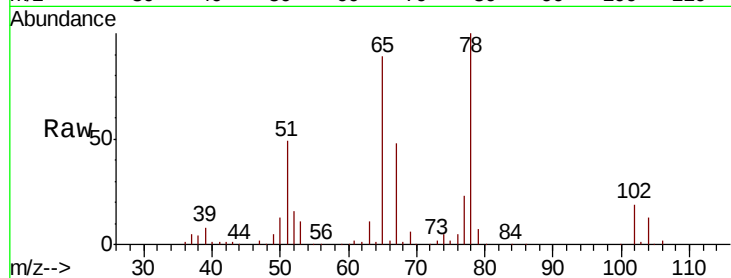




#33
 1,2-Dichloroethane-d4
 Concen: 42.965 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

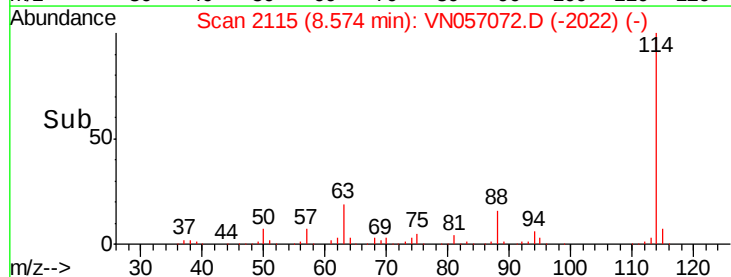
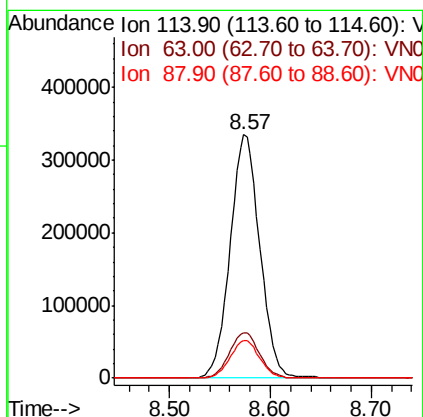
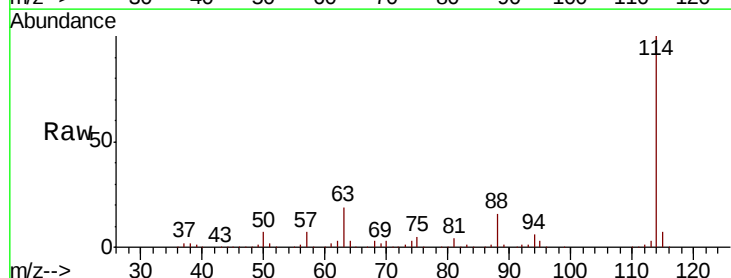
Instrument :
 MSVOA_N
 ClientSampled :

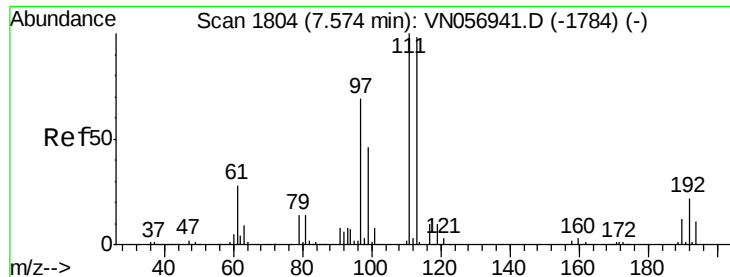
Tot Ion: 65 Resp: 212248
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 114 Resp: 685500
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.0
 88 15.5 0.0 30.0

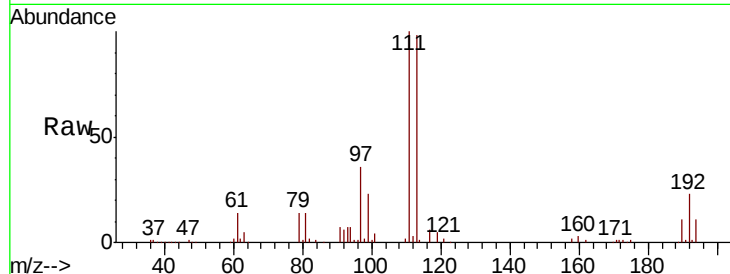




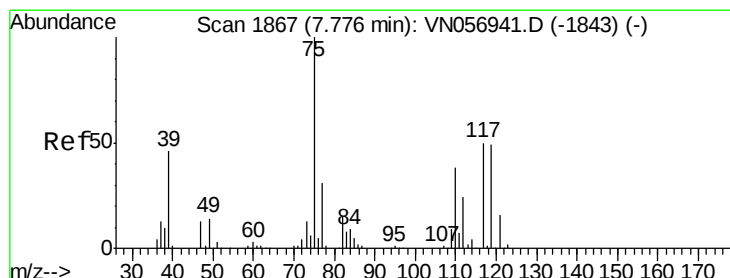
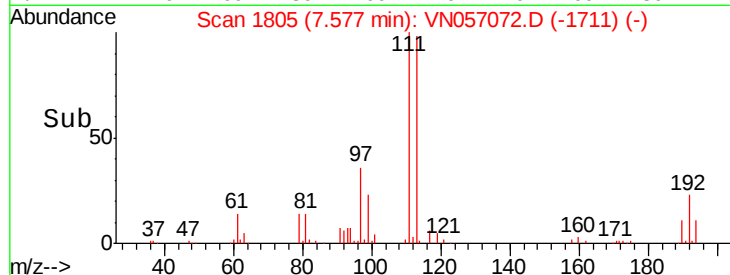
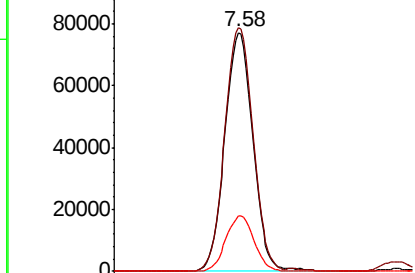
#35
Dibromofluoromethane
Concen: 44.305 ug/l
RT: 7.58 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 194425
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 23.2 18.4 27.6

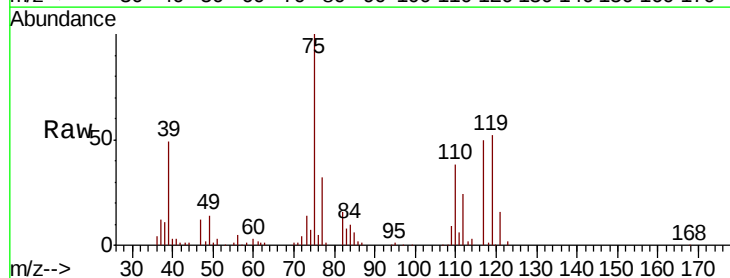


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

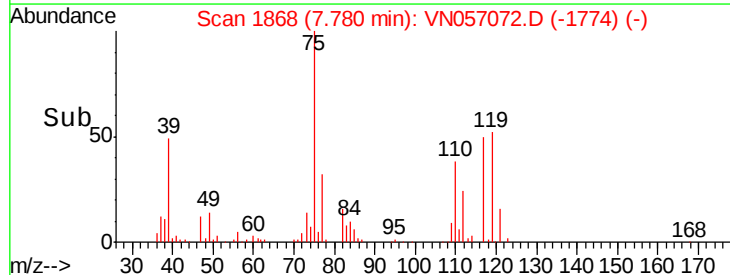
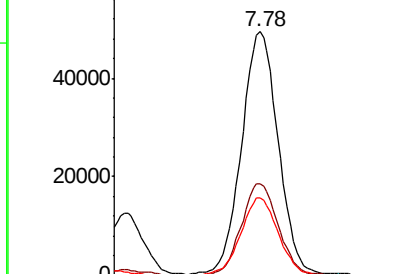


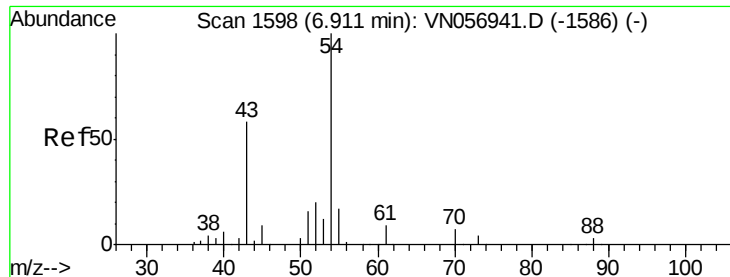
#36
1,1-Dichloropropene
Concen: 19.699 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 75 Resp: 118821
Ion Ratio Lower Upper
75 100
110 37.7 18.6 55.8
77 32.4 25.2 37.8



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

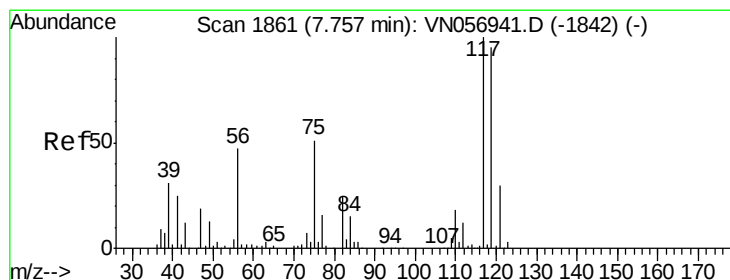
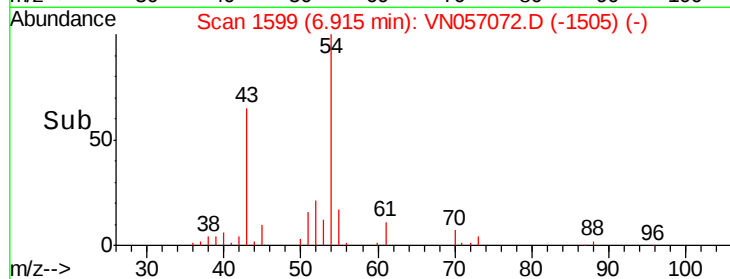
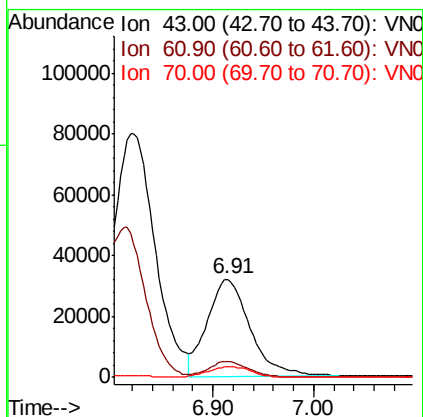
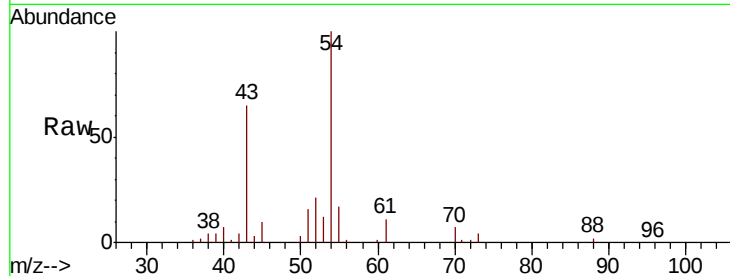




#37
Ethyl Acetate
Concen: 19.463 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

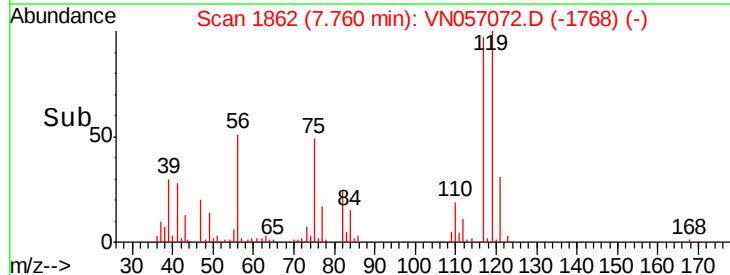
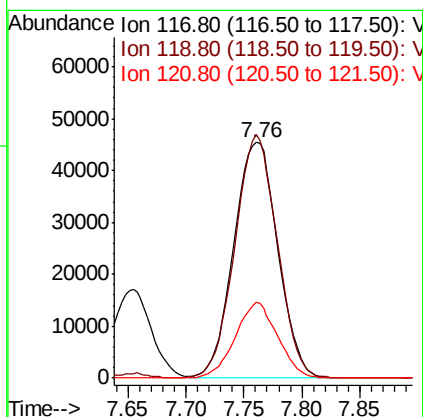
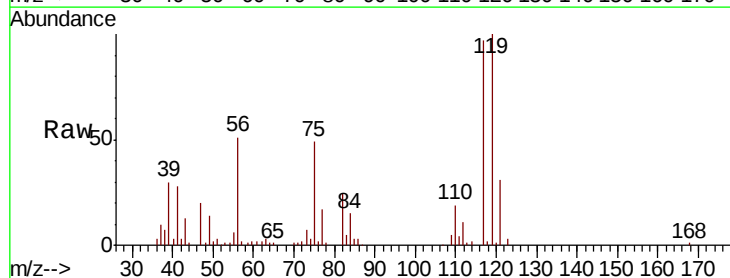
Instrument :
MSVOA_N
ClientSampleId :

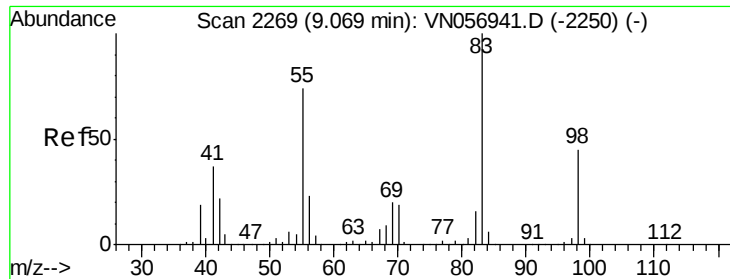
Tot Ion: 43 Resp: 94028
Ion Ratio Lower Upper
43 100
61 14.5 11.8 17.6
70 11.2 8.5 12.7



#38
Carbon Tetrachloride
Concen: 21.052 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 117 Resp: 120113
Ion Ratio Lower Upper
117 100
119 103.4 75.3 112.9
121 32.1 24.2 36.4

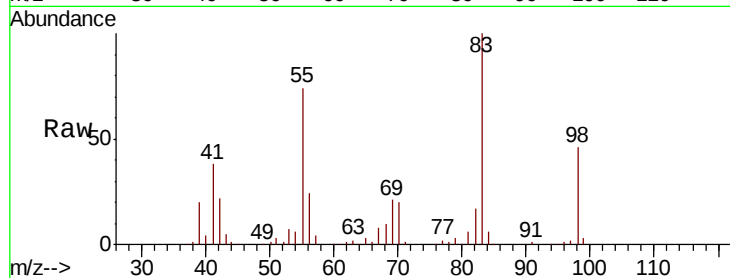




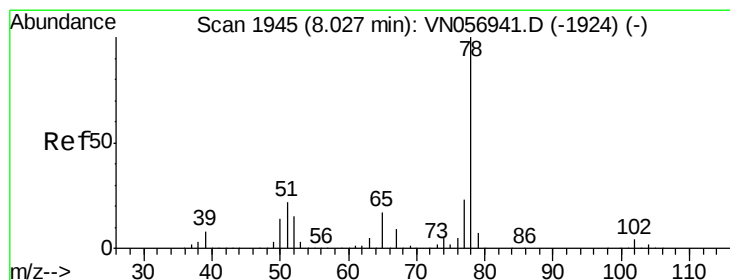
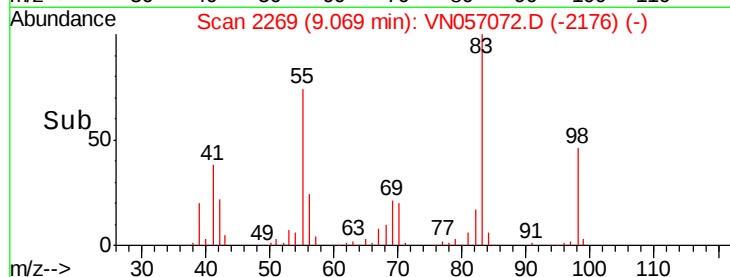
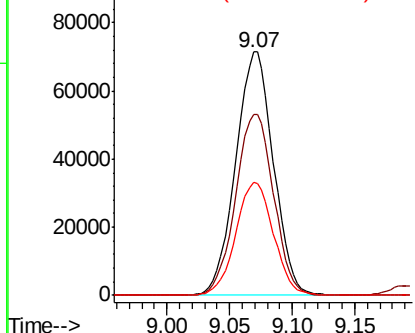
#39
Methvlcvclohexane
Concen: 19.419 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 149707
Ion Ratio Lower Upper
83 100
55 74.4 59.0 88.6
98 46.3 36.2 54.4

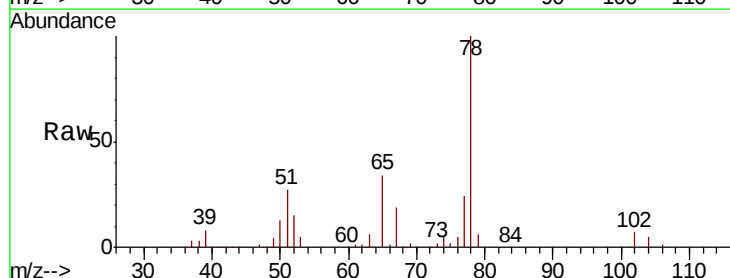


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

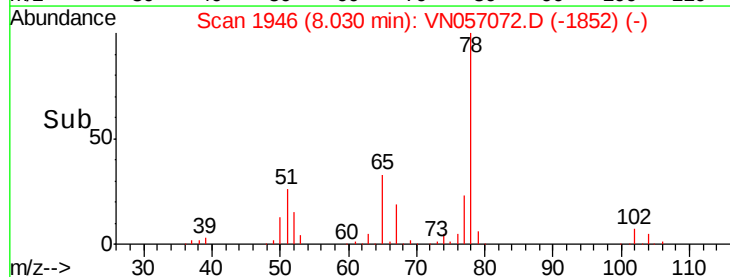
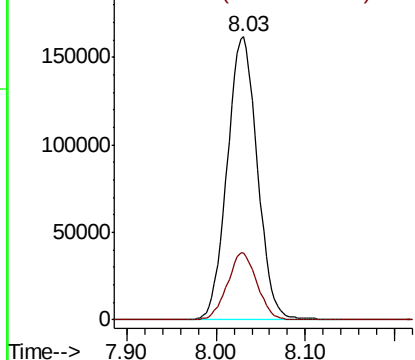


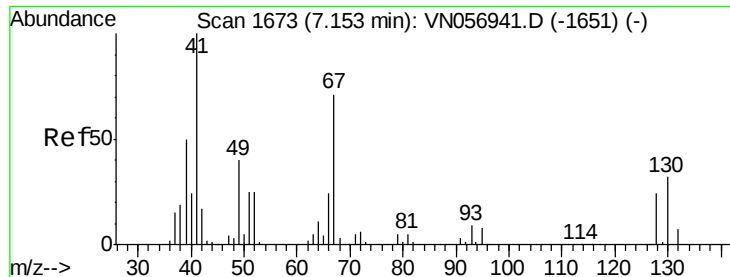
#40
Benzene
Concen: 20.409 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 78 Resp: 379160
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

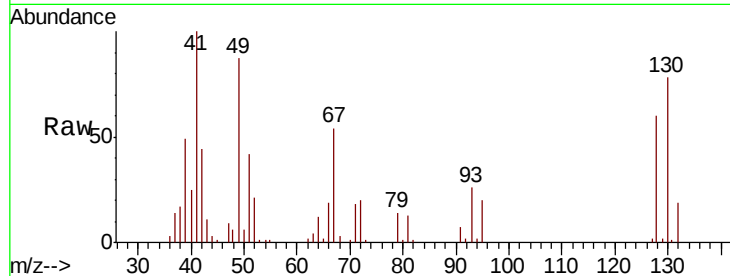




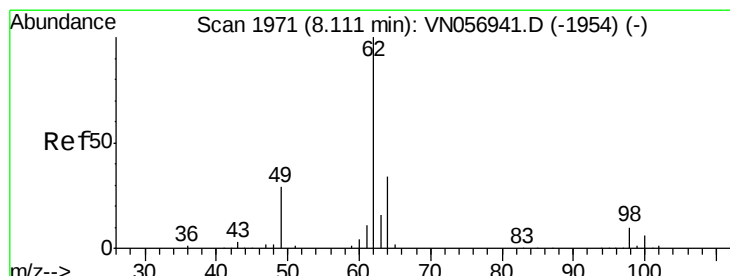
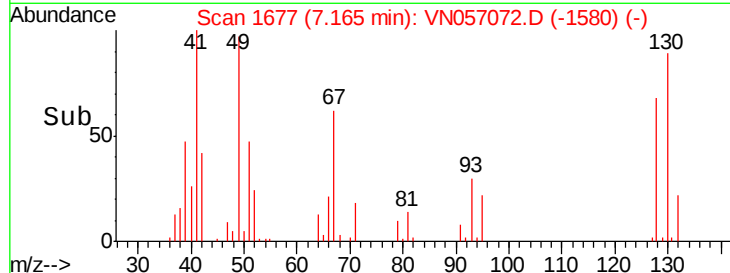
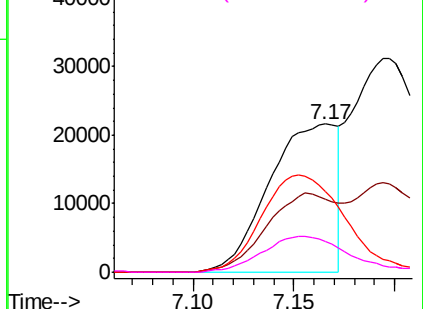
#41
Methacrylonitrile
Concen: 22.745 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	50798
Ion	Ratio	Lower	Upper
41	100		
39	56.7	48.9	73.3
67	81.4	83.4	125.0
52	30.9	30.9	46.3

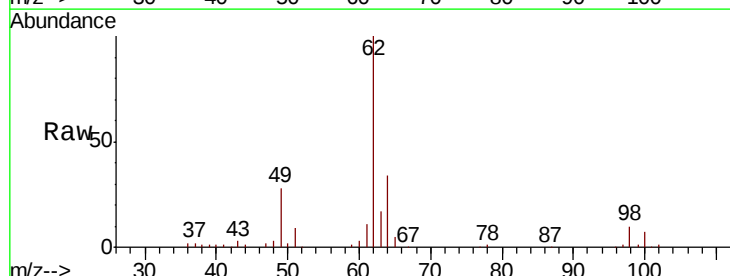


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

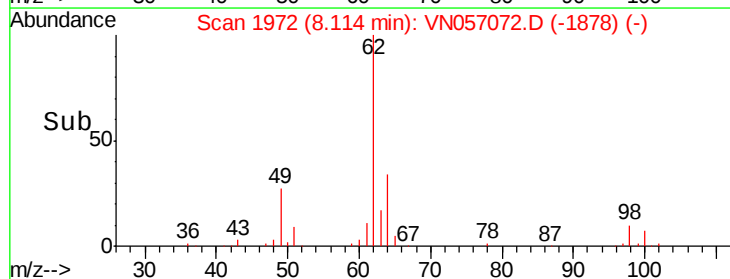
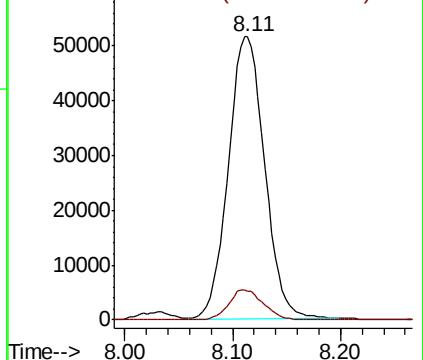


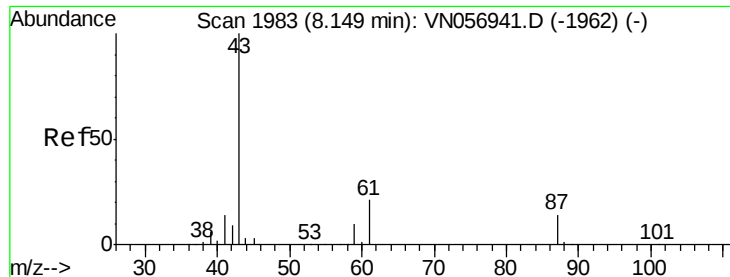
#42
1,2-Dichloroethane
Concen: 20.759 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion:	62	Resp:	120872
Ion	Ratio	Lower	Upper
62	100		
98	10.1	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: 19.012 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

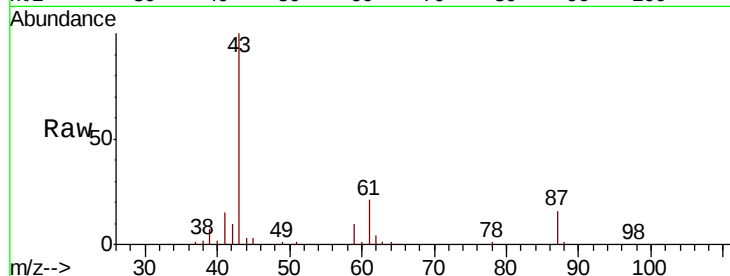
Tot Ion: 43 Resp: 151805

Ion Ratio Lower Upper

43 100

61 30.2 23.0 34.6

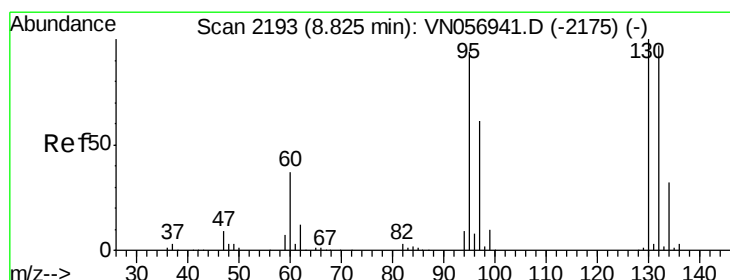
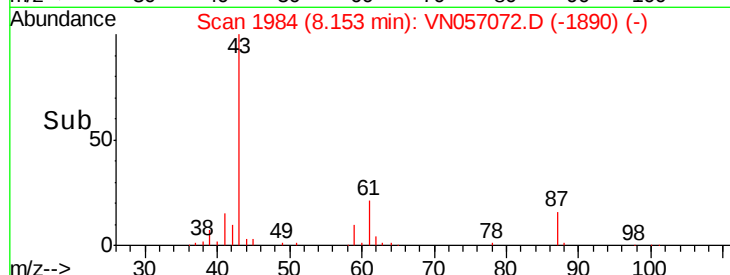
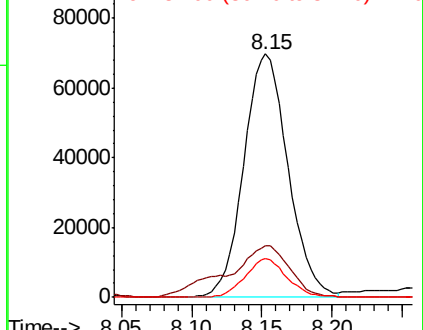
87 15.2 11.7 17.5



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: 20.517 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN057072.D

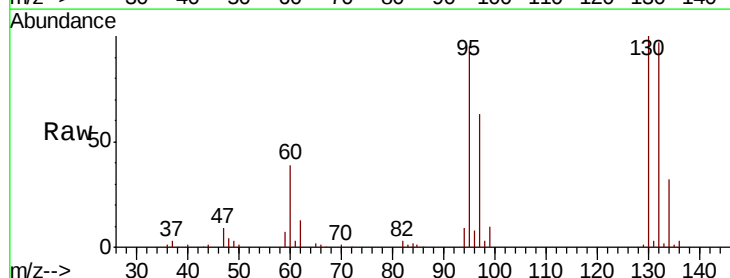
Acq: 5 Aug 2019 10:45

Tgt Ion:130 Resp: 105013

Ion Ratio Lower Upper

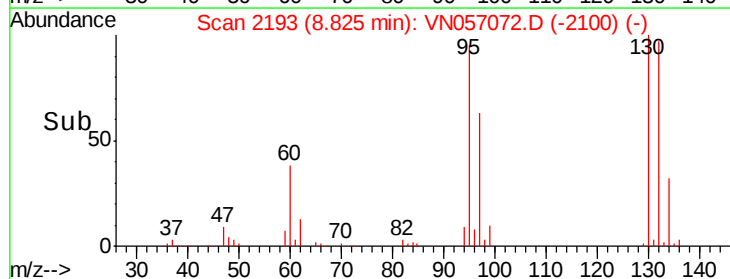
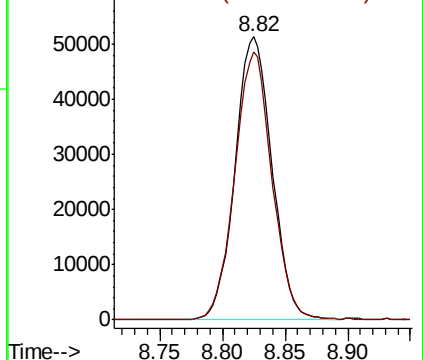
130 100

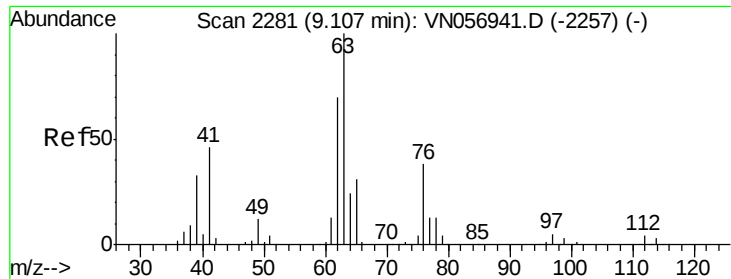
95 94.8 0.0 189.0



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

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

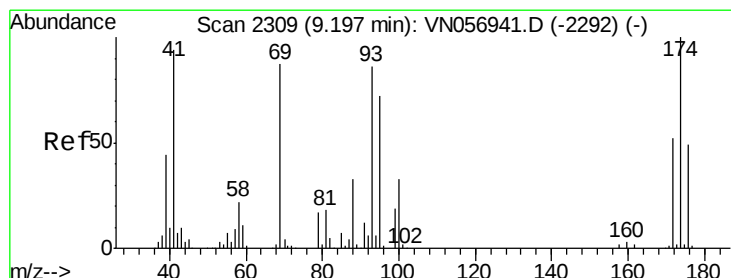
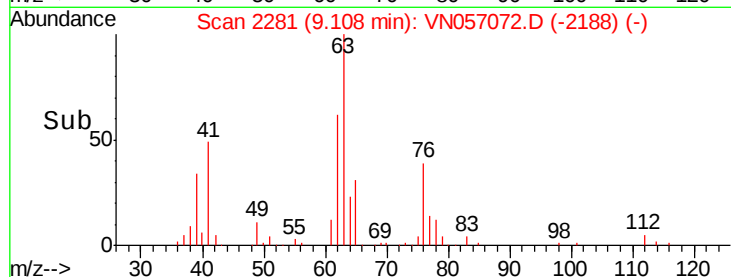
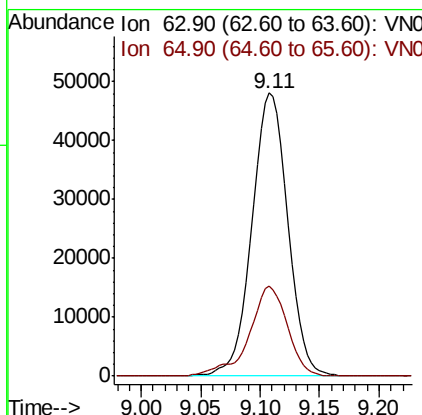
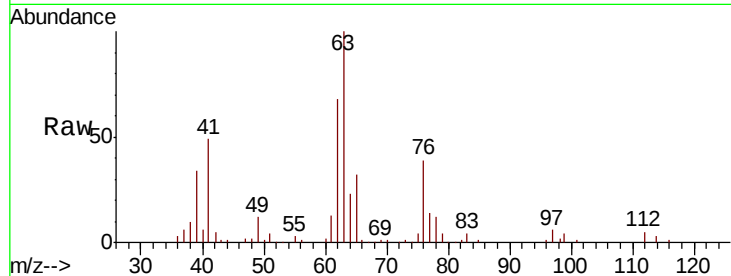




#45
 1,2-Dichloropropane
 Concen: 20.187 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

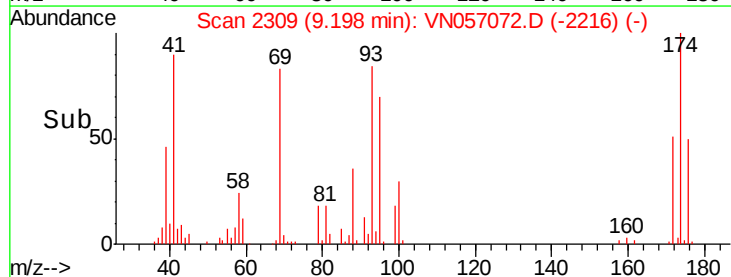
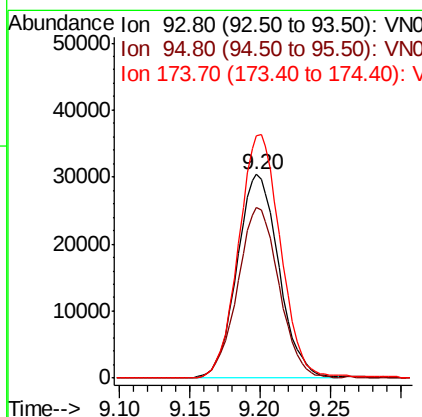
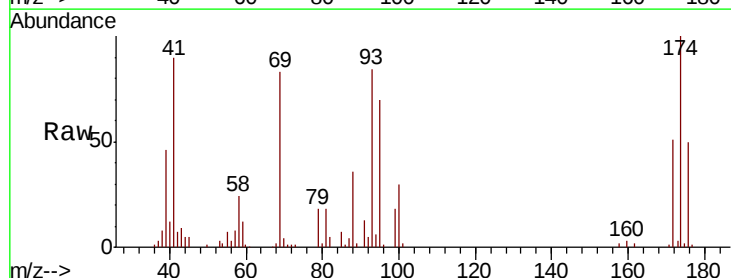
Instrument :
 MSVOA_N
 ClientSampled :

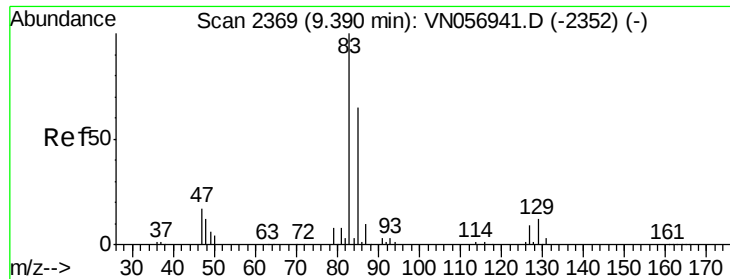
Tot Ion: 63 Resp: 100315
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2



#46
 Dibromomethane
 Concen: 21.077 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 93 Resp: 63166
 Ion Ratio Lower Upper
 93 100
 95 82.7 67.0 100.6
 174 119.8 92.7 139.1

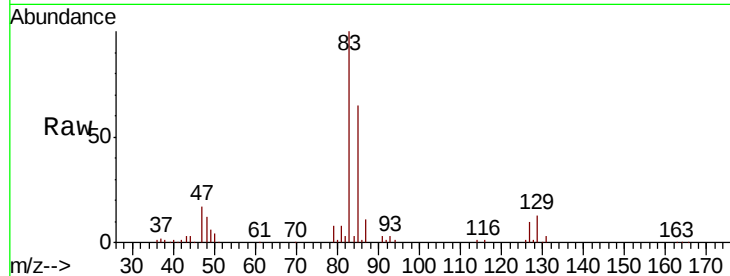




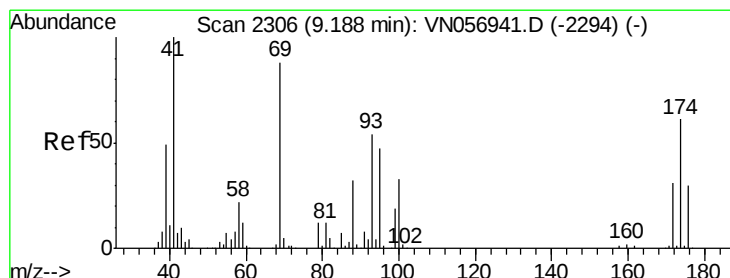
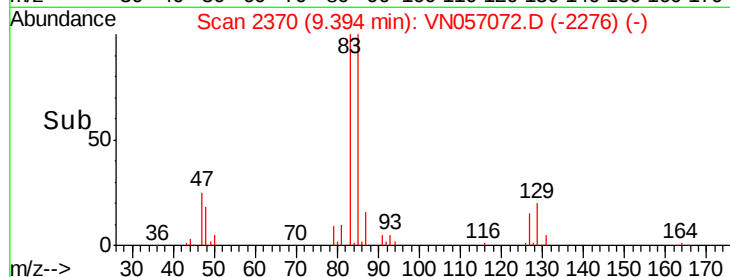
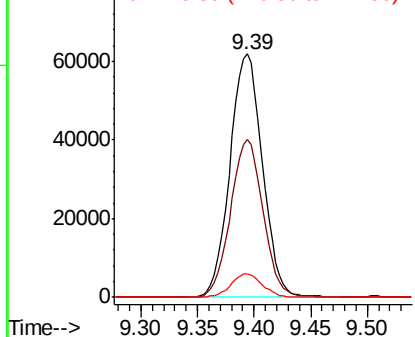
#47
Bromodichloromethane
Concen: 21.050 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 124032
Ion Ratio Lower Upper
83 100
85 64.7 51.6 77.4
127 9.7 7.3 10.9

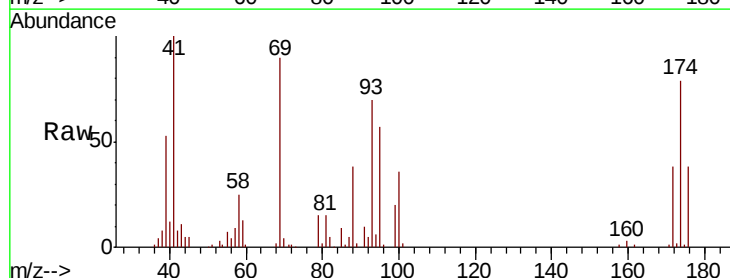


Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO

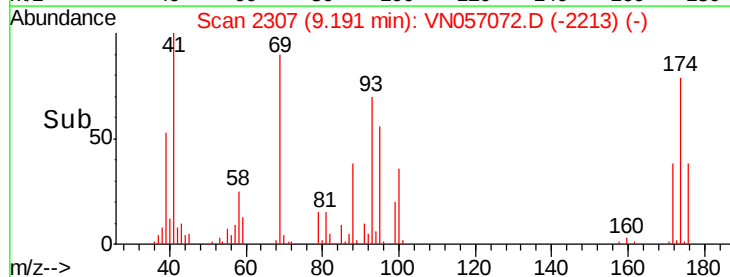
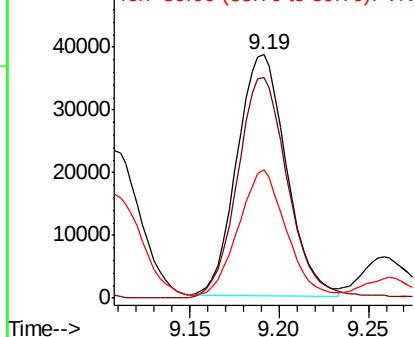


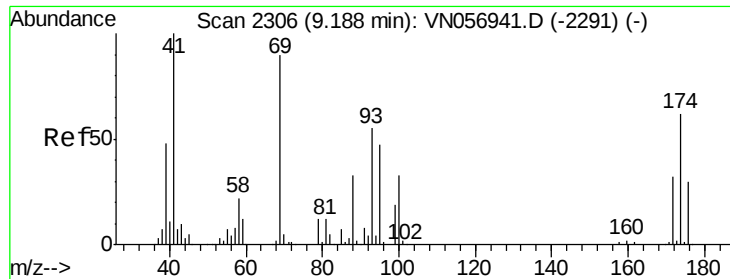
#48
Methyl methacrylate
Concen: 19.272 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 41 Resp: 74293
Ion Ratio Lower Upper
41 100
69 94.1 73.4 110.0
39 51.8 39.9 59.9



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

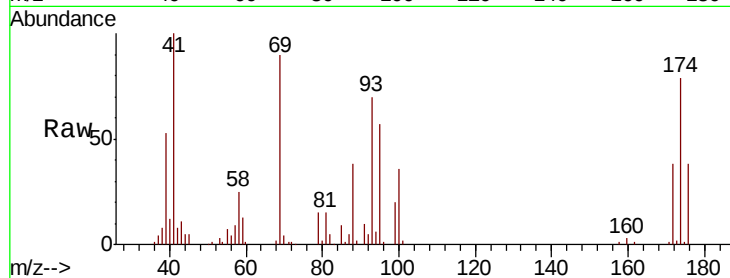




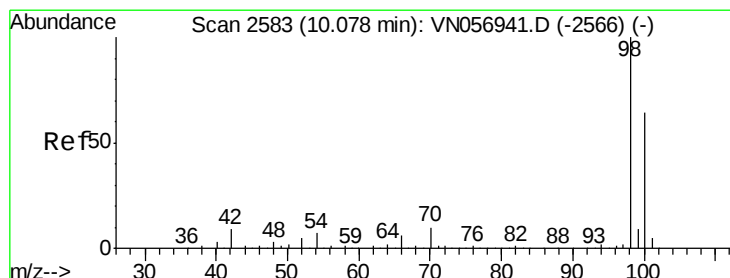
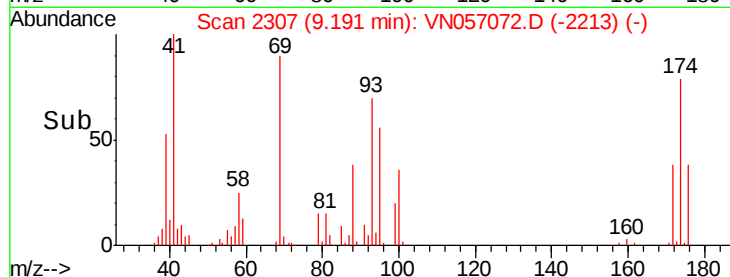
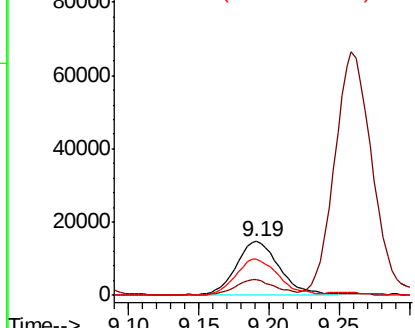
#49
 1,4-Dioxane
 Concen: 400.214 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 31795
 Ion Ratio Lower Upper
 88 100
 43 25.1 22.2 33.2
 58 66.6 54.1 81.1

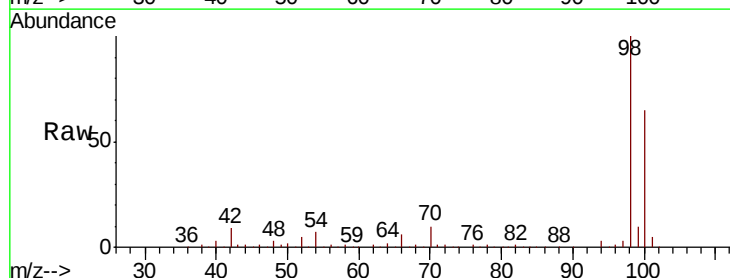


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

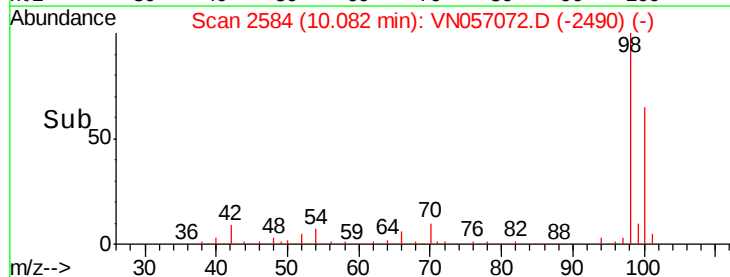
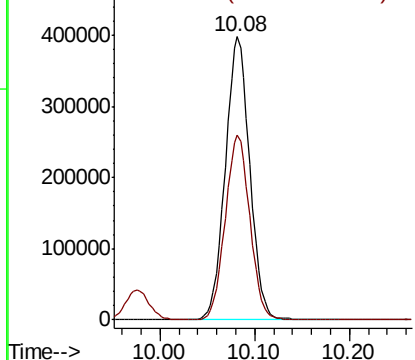


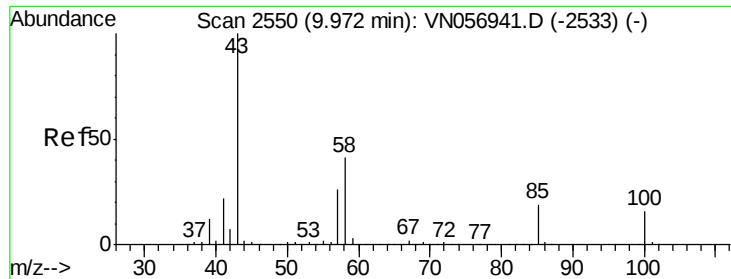
#50
 Toluene-d8
 Concen: 42.639 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 98 Resp: 713560
 Ion Ratio Lower Upper
 98 100
 100 65.6 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: 96.558 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

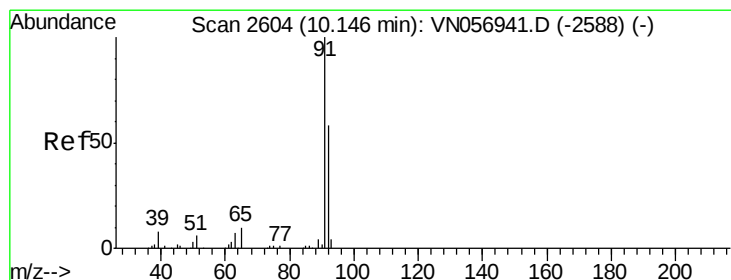
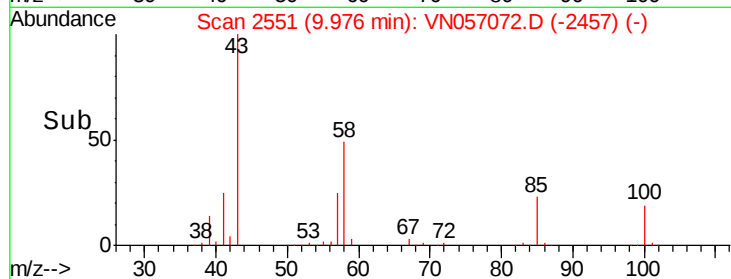
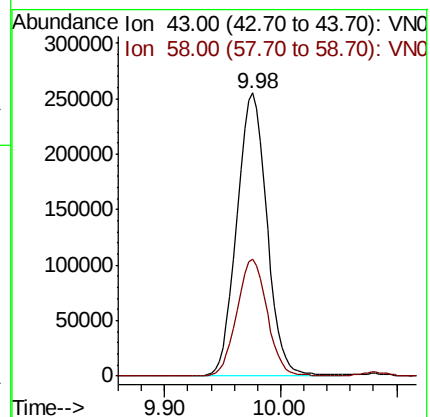
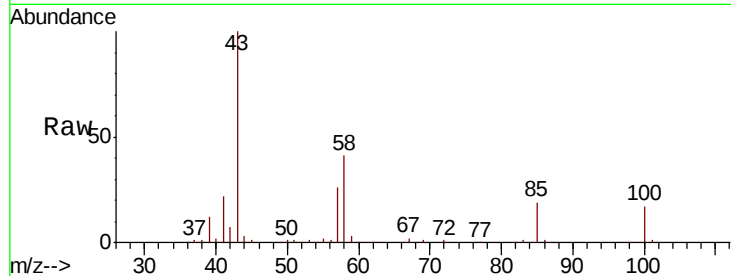
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 458103

Ion Ratio Lower Upper

43 100

58 41.5 33.1 49.7



#52

Toluene

Concen: 20.851 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN057072.D

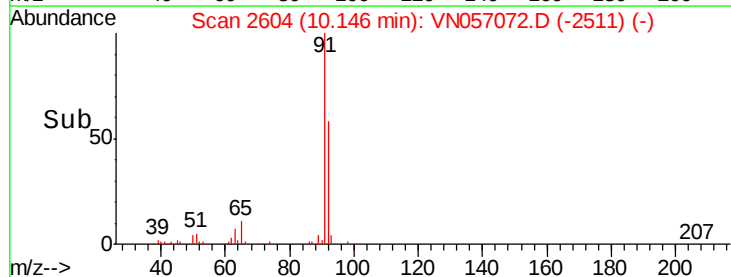
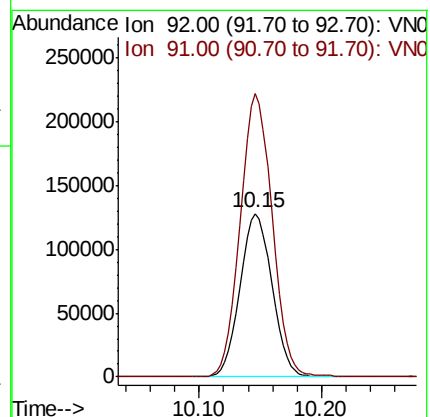
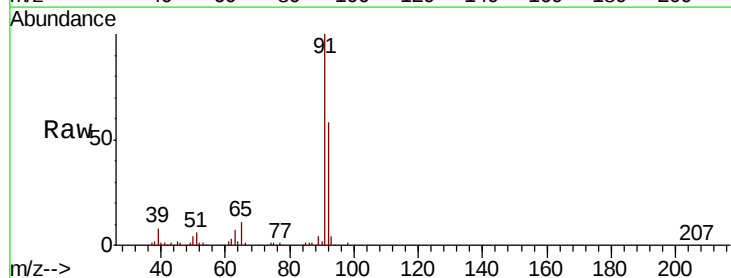
Acq: 5 Aug 2019 10:45

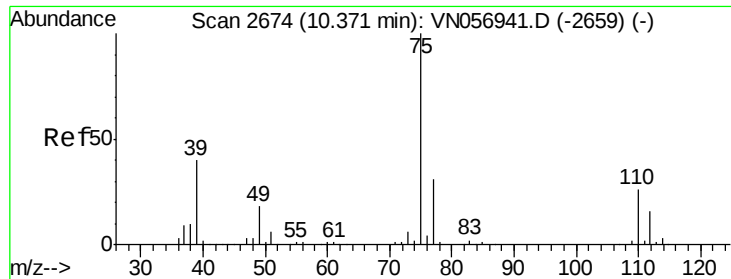
Tgt Ion: 92 Resp: 232746

Ion Ratio Lower Upper

92 100

91 173.3 138.0 207.0





#53

t-1,3-Dichloropropene

Concen: 20.573 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

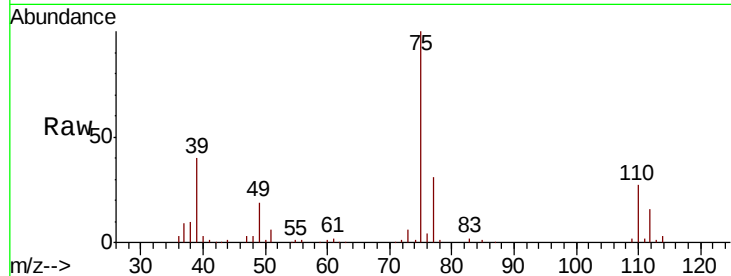
ClientSampleId :

Tot Ion: 75 Resp: 125791

Ion Ratio Lower Upper

75 100

77 30.6 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

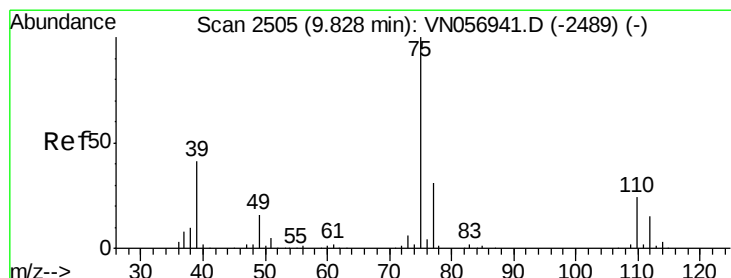
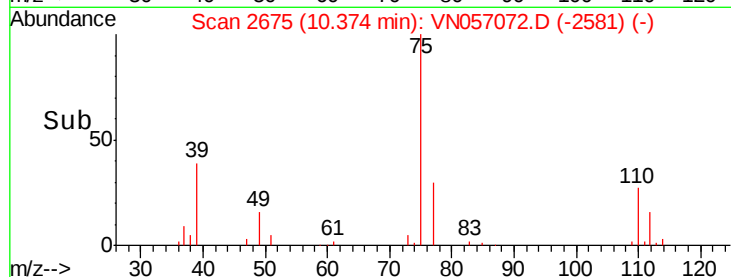
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.618 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

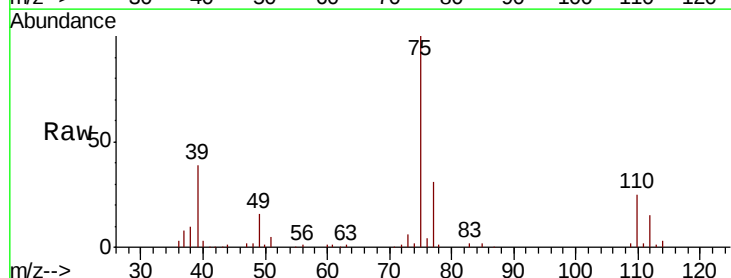
Tgt Ion: 75 Resp: 146578

Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 39.4 32.6 49.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

100000

80000

60000

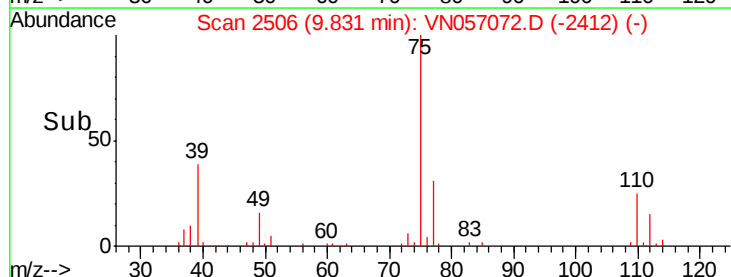
40000

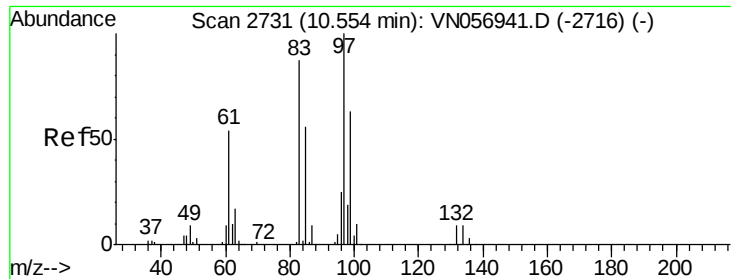
20000

0

9.75 9.80 9.85 9.90

Time-->





#55

1,1,2-Trichloroethane

Concen: 20.409 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 91357

Ion	Ratio	Lower	Upper
97	100		
83	89.6	69.4	104.0
85	55.0	44.7	67.1
99	65.8	50.1	75.1

Abundance

Ion 96.90 (96.60 to 97.60): VN0

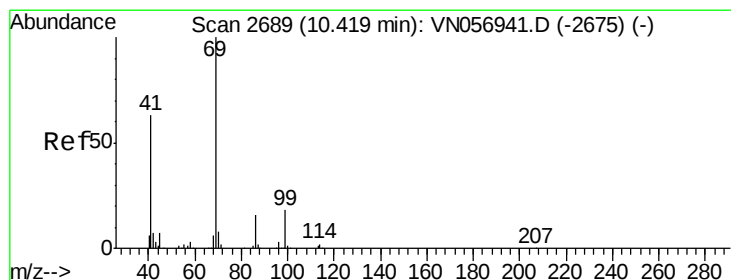
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

10.55

Time-->



#56

Ethyl methacrylate

Concen: 19.089 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion: 69 Resp: 121417

Ion	Ratio	Lower	Upper
69	100		
41	61.1	49.2	73.8
39	29.1	23.1	34.7

Abundance

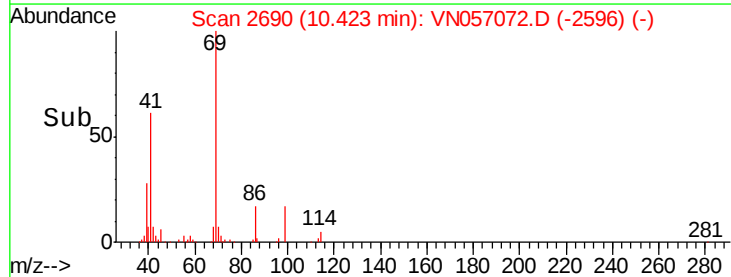
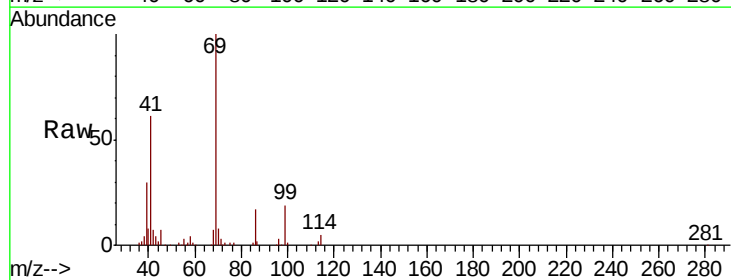
Ion 69.00 (68.70 to 69.70): VN0

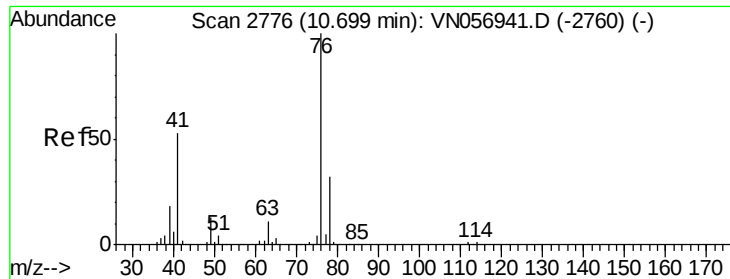
Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

10.42

Time-->

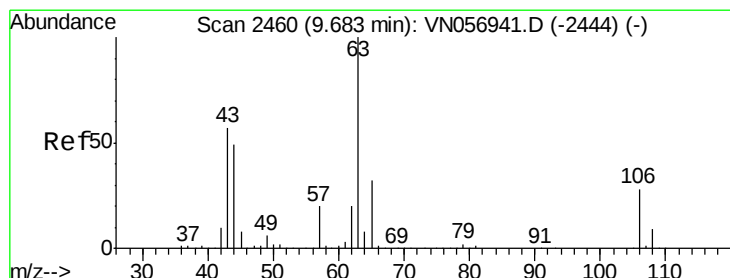
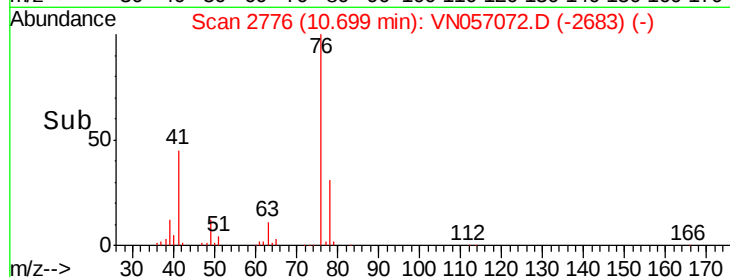
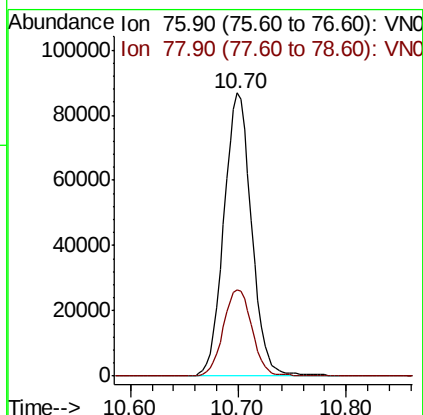
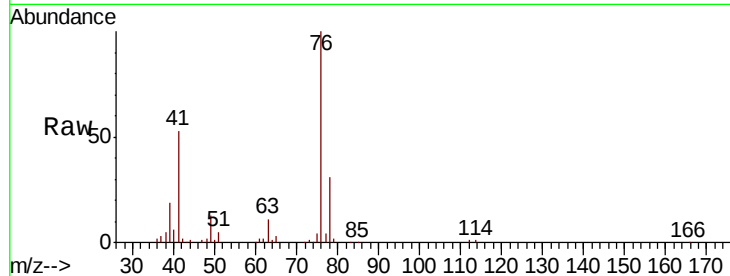




#57
 1,3-Dichloropropane
 Concen: 20.834 ug/l
 RT: 10.70 min Scan# 2776
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

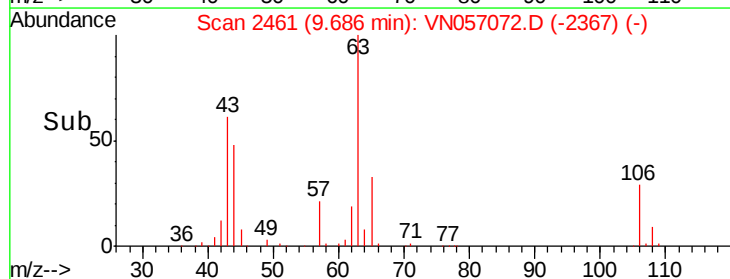
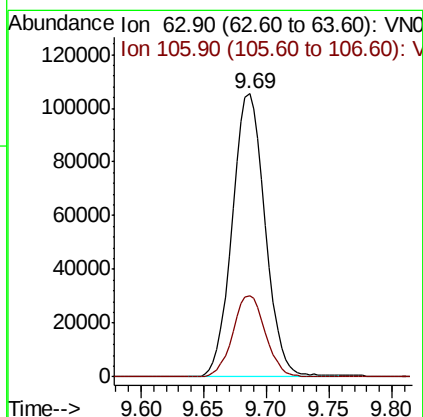
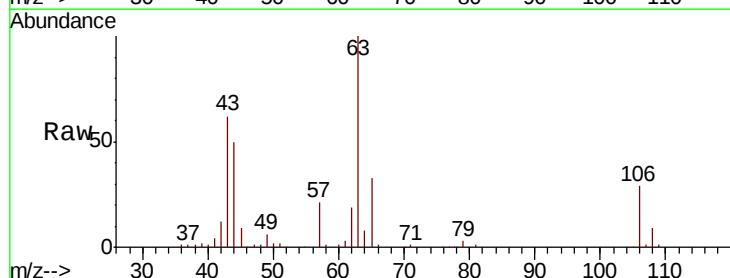
Instrument :
 MSVOA_N
 ClientSampled :

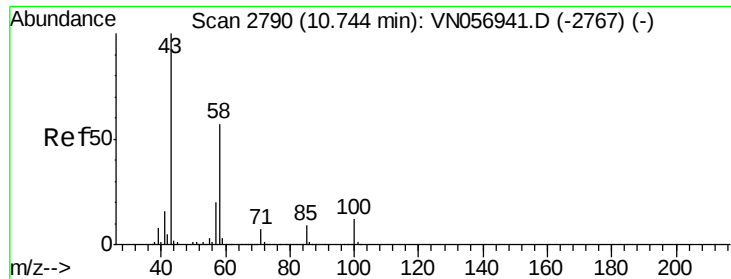
Tot Ion: 76 Resp: 154650
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 71.759 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 63 Resp: 192491
 Ion Ratio Lower Upper
 63 100
 106 28.3 22.0 33.0

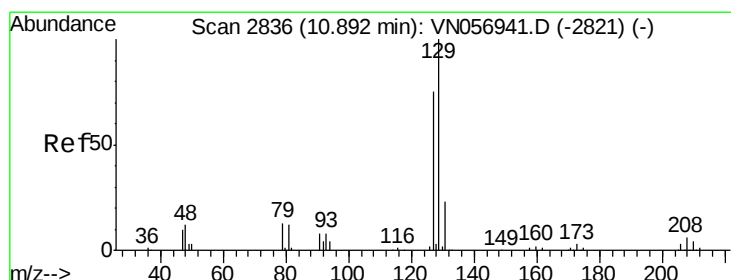
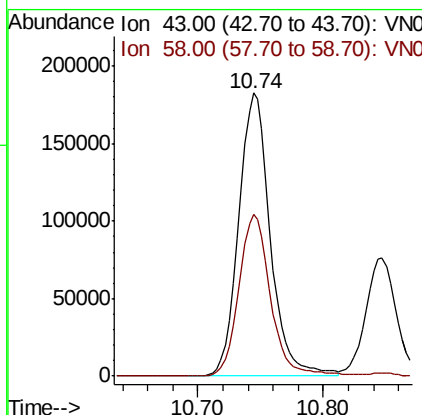
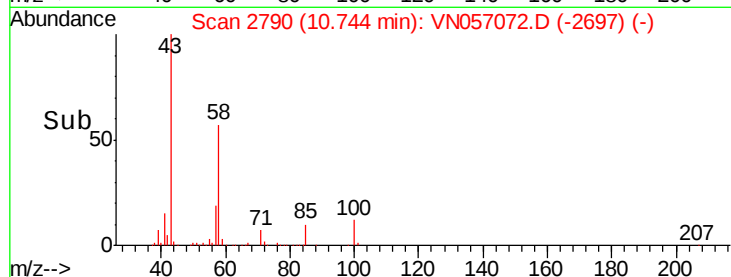
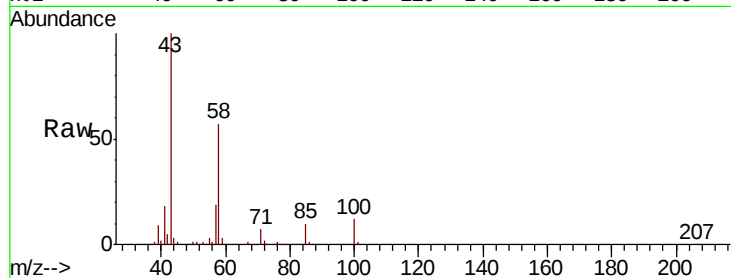




#59
2-Hexanone
Concen: 89.311 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

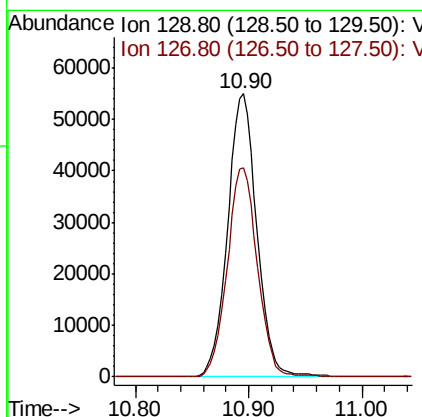
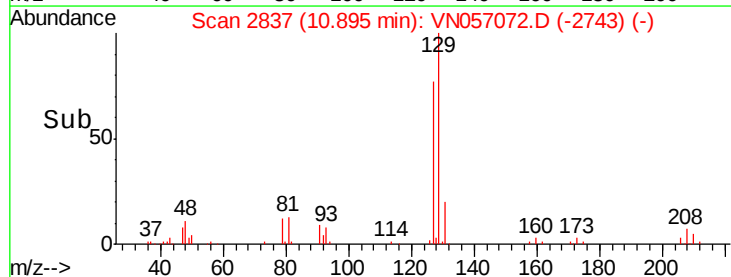
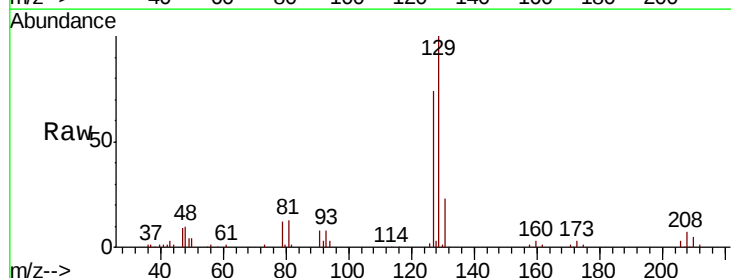
Instrument :
MSVOA_N
ClientSampleId :

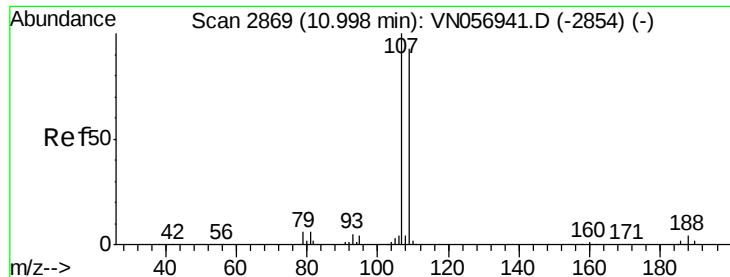
Tot Ion: 43 Resp: 320375
Ion Ratio Lower Upper
43 100
58 57.1 28.5 85.5



#60
Dibromochloromethane
Concen: 21.489 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 129 Resp: 98552
Ion Ratio Lower Upper
129 100
127 75.8 38.0 113.9

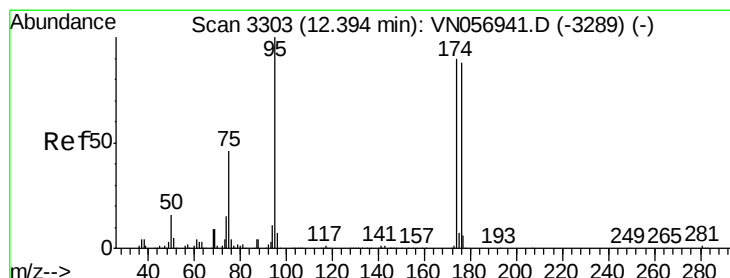
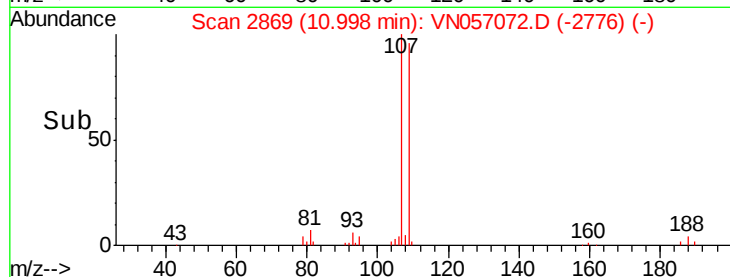
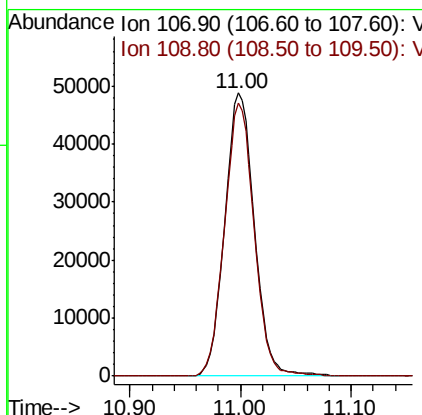
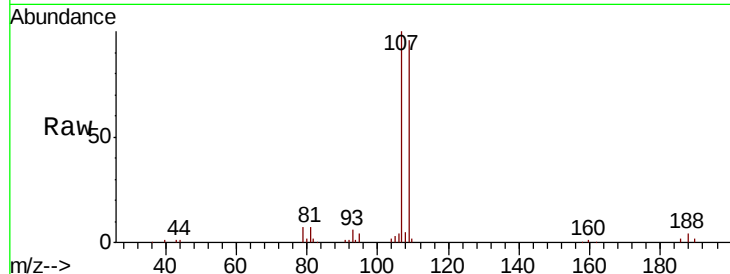




#61
 1,2-Dibromoethane
 Concen: 20.784 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

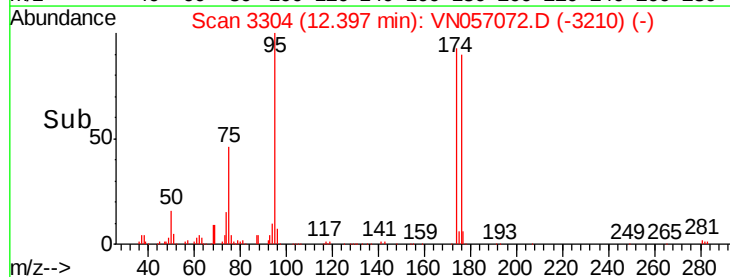
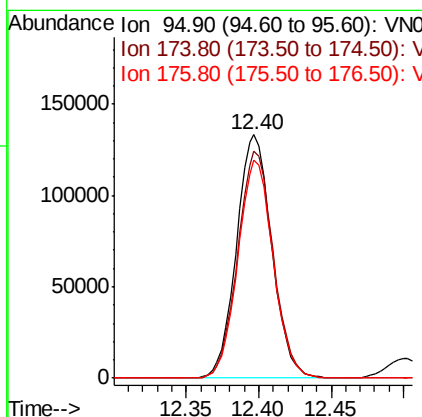
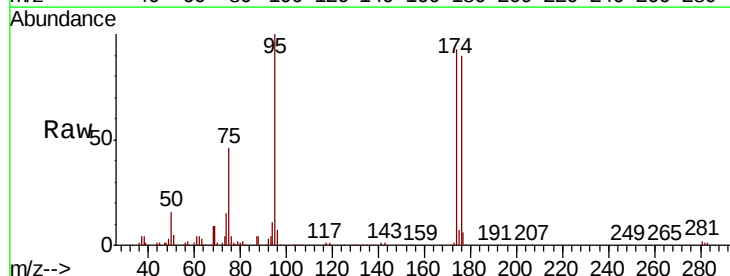
Instrument :
 MSVOA_N
 ClientSampled :

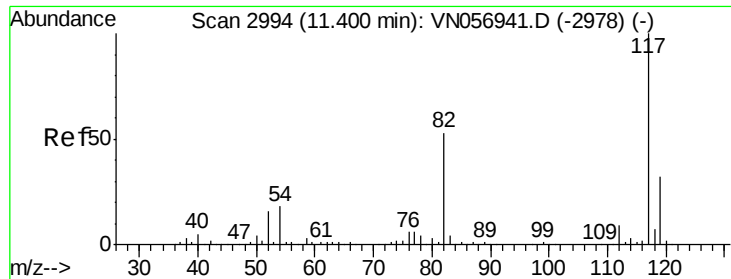
Tot Ion: 107 Resp: 90795
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.0 114.0



#62
 4-Bromofluorobenzene
 Concen: 41.273 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion: 95 Resp: 224852
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 182.2
 176 89.8 0.0 179.4

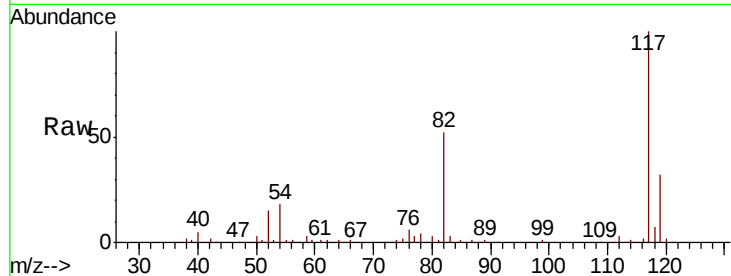




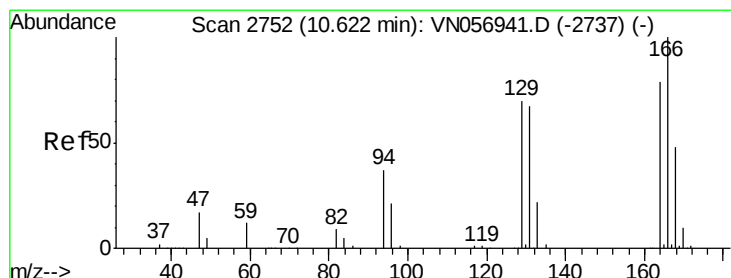
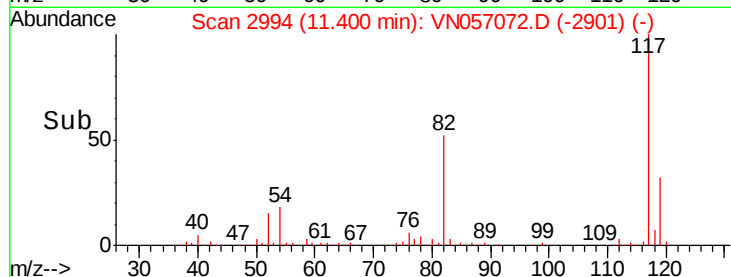
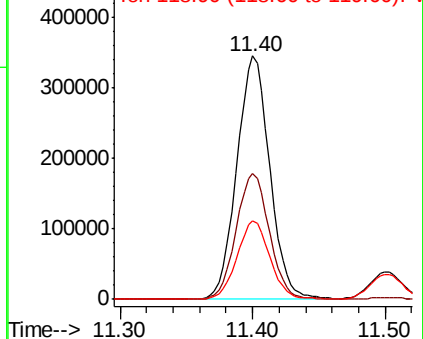
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 597290
Ion Ratio Lower Upper
117 100
82 51.5 42.2 63.4
119 32.3 25.8 38.6

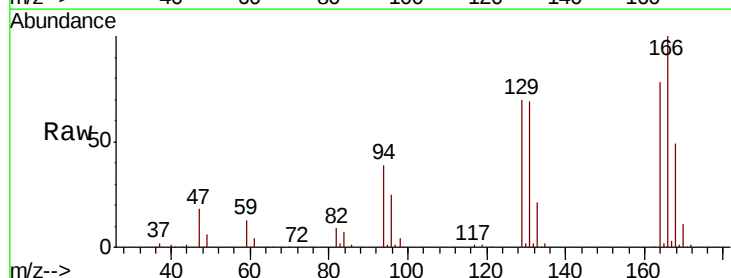


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

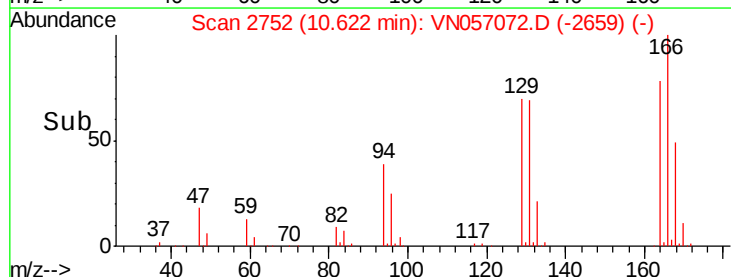
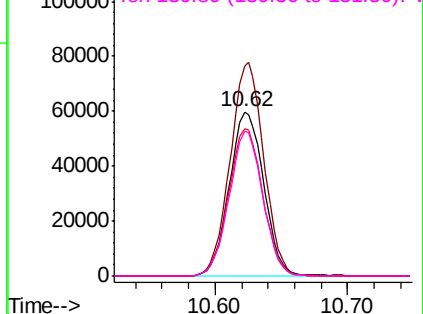


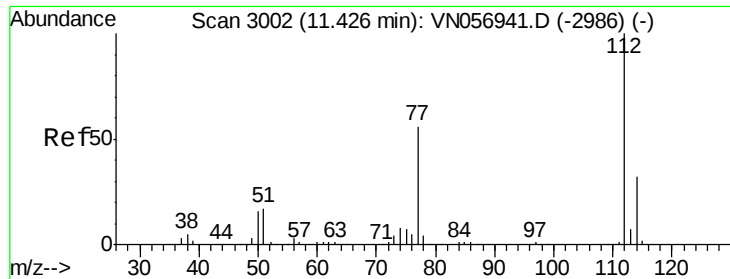
#64
Tetrachloroethene
Concen: 20.976 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion:164 Resp: 107965
Ion Ratio Lower Upper
164 100
166 128.3 101.1 151.7
129 90.0 70.9 106.3
131 88.3 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

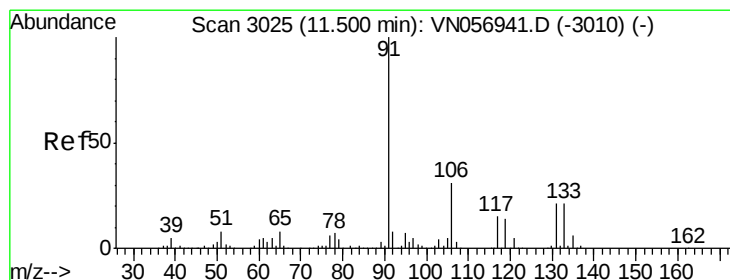
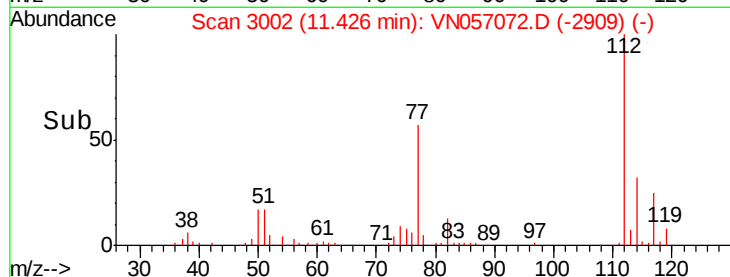
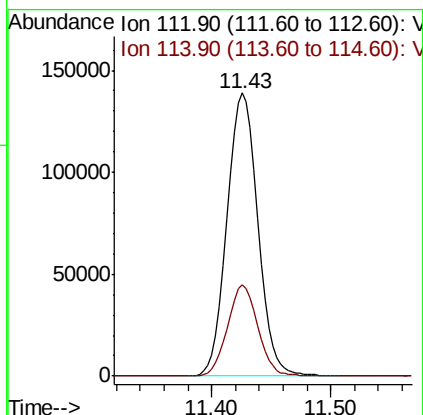
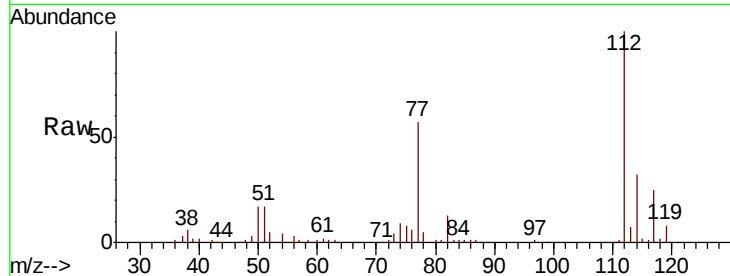




#65
Chlorobenzene
Concen: 20.558 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

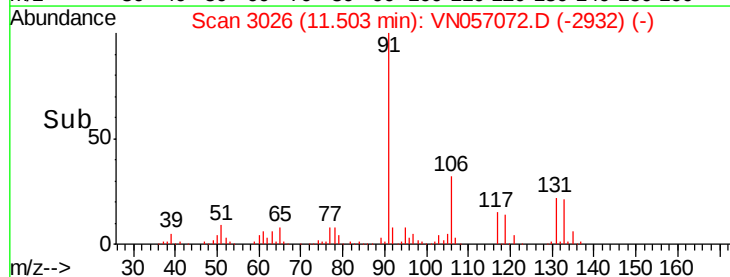
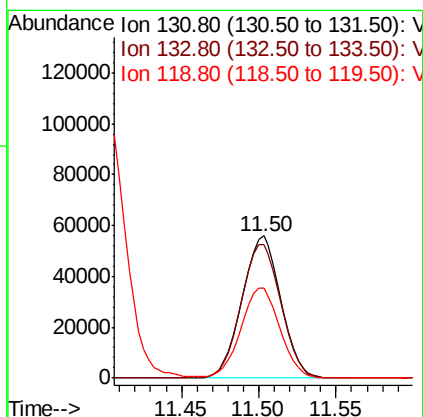
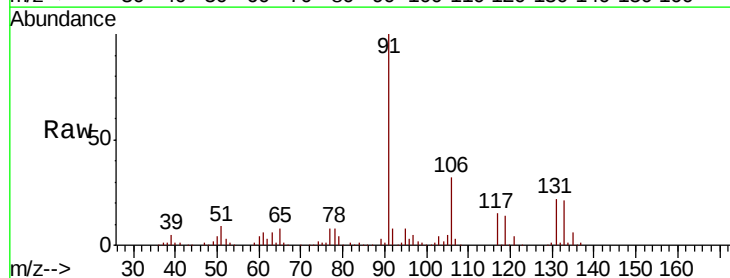
Instrument :
MSVOA_N
ClientSampled :

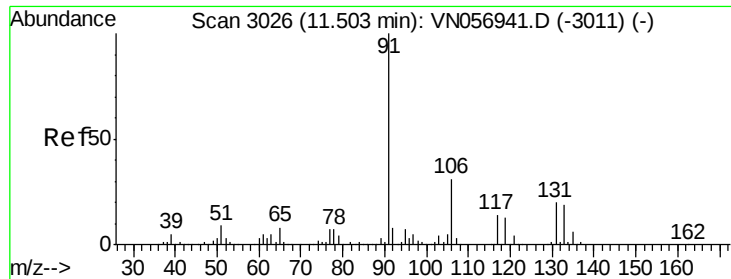
Tot Ion:112 Resp: 250261
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 21.246 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion:131 Resp: 97350
Ion Ratio Lower Upper
131 100
133 96.8 48.0 144.0
119 64.1 33.2 99.6

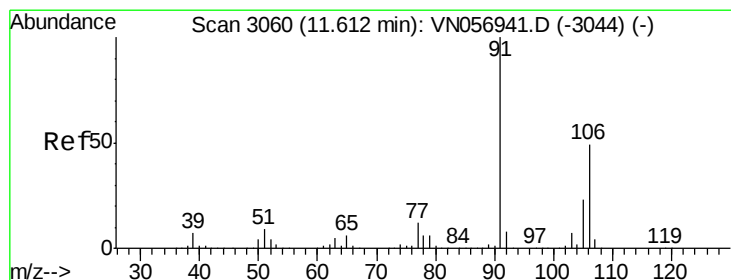
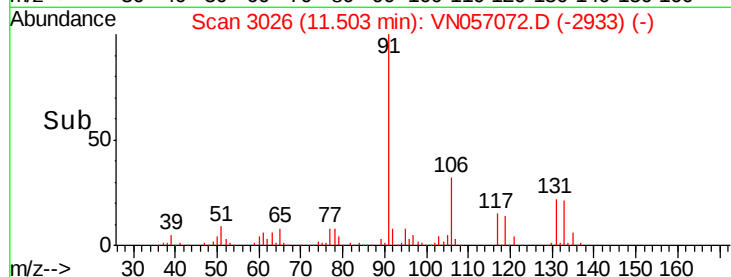
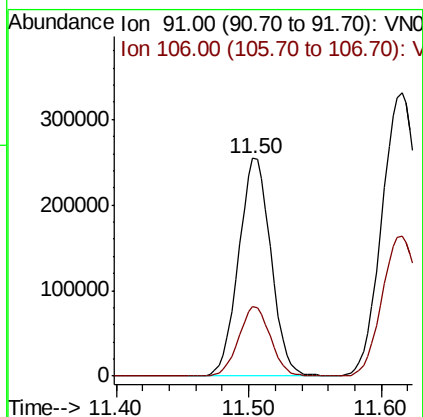
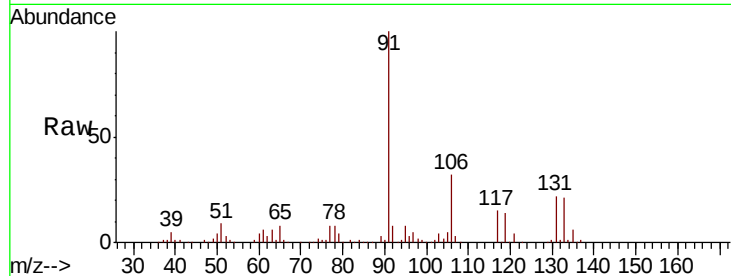




#67
Ethyl Benzene
Concen: 20.469 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

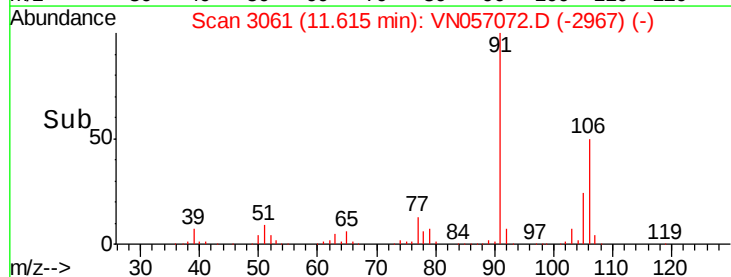
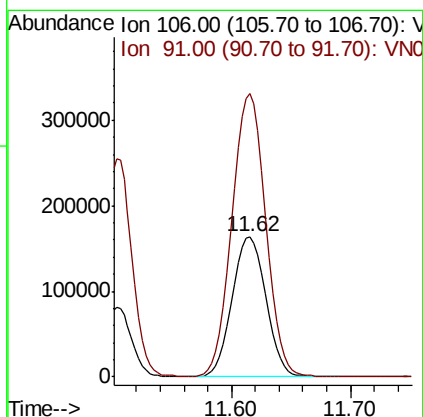
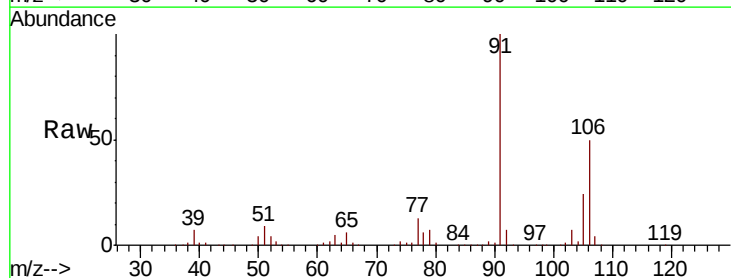
Instrument :
MSVOA_N
ClientSampled :

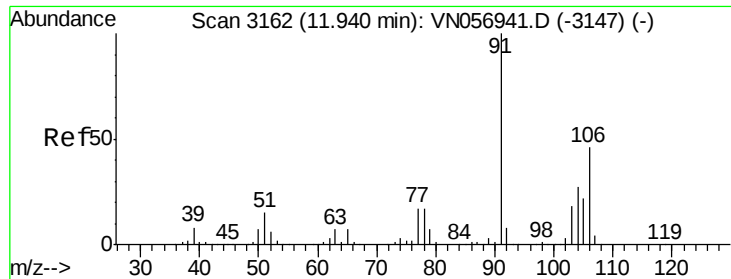
Tot Ion: 91 Resp: 430662
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7



#68
m/p-Xylenes
Concen: 41.664 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 106 Resp: 323511
Ion Ratio Lower Upper
106 100
91 201.3 160.0 240.0

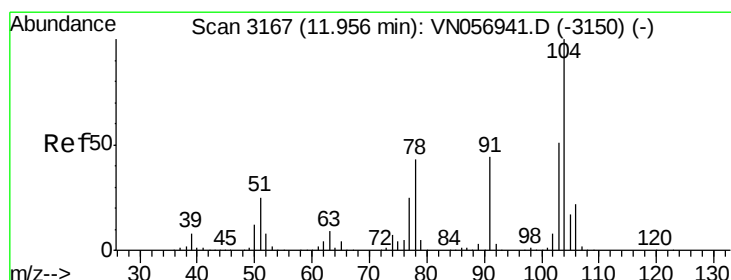
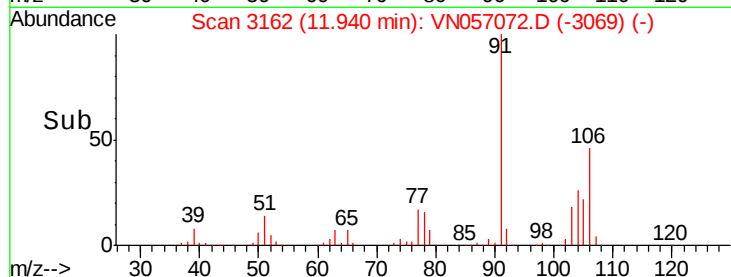
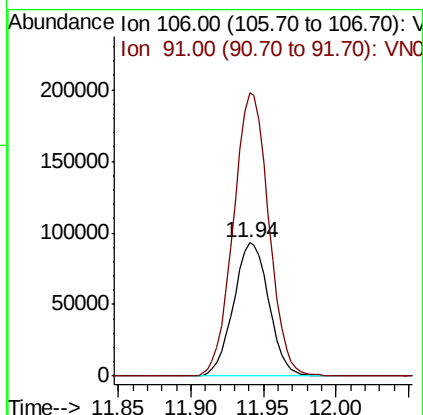
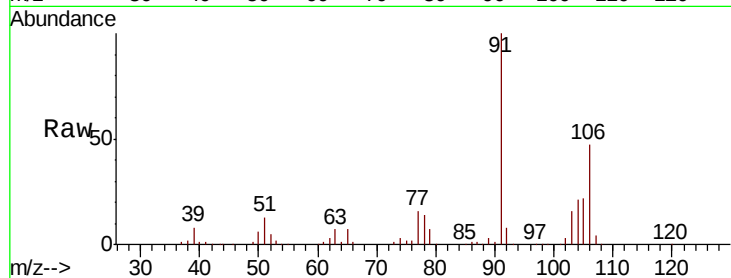




#69
o-Xylene
Concen: 20.766 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

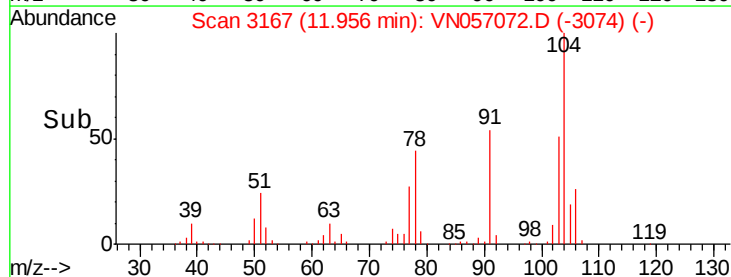
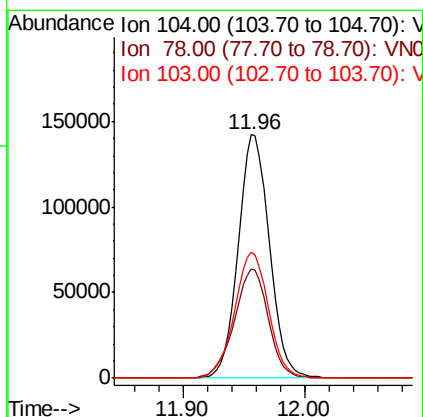
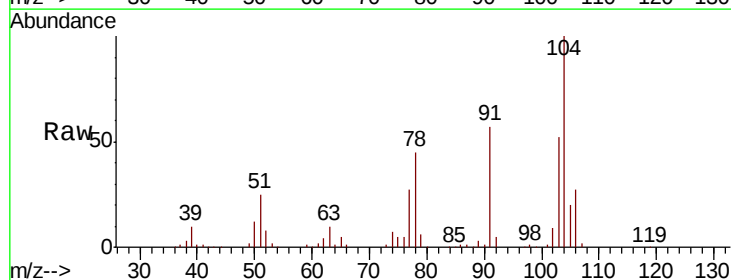
Instrument :
MSVOA_N
ClientSampled :

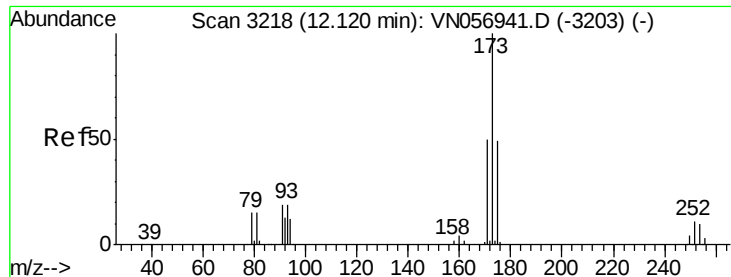
Tot Ion:106 Resp: 157751
Ion Ratio Lower Upper
106 100
91 212.3 106.2 318.6



#70
Styrene
Concen: 19.861 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion:104 Resp: 250983
Ion Ratio Lower Upper
104 100
78 48.8 38.1 57.1
103 56.1 44.3 66.5





#71

Bromoform

Concen: 20.690 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

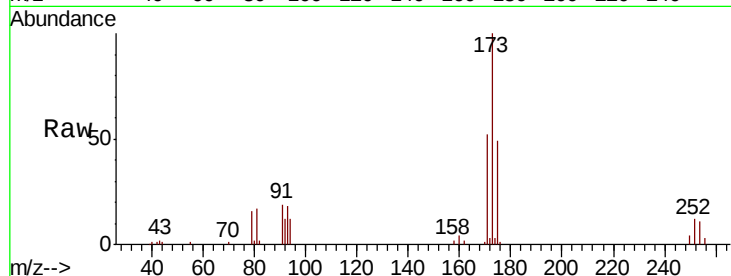
Tot Ion:173 Resp: 66187

Ion Ratio Lower Upper

173 100

175 48.5 24.1 72.4

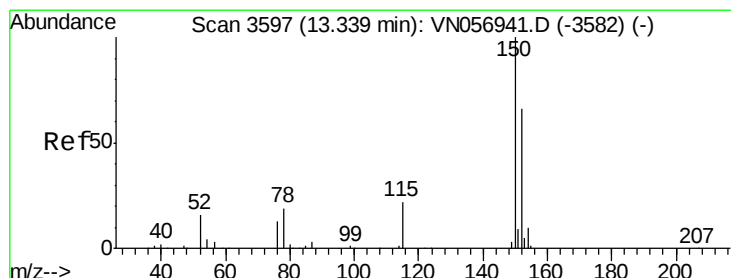
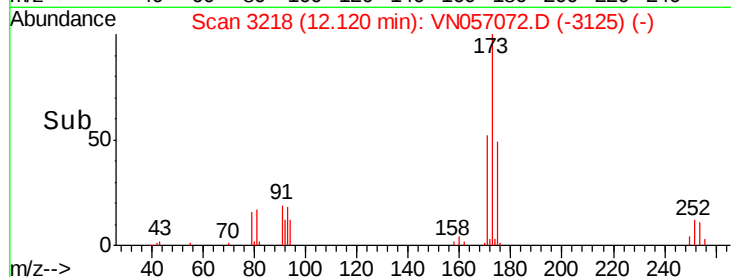
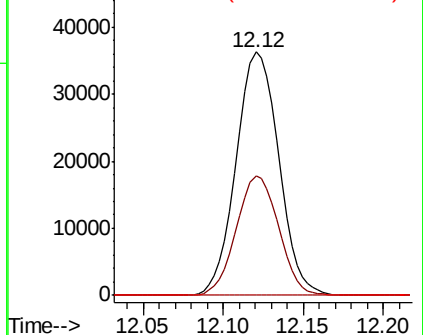
254 0.0 0.1 0.1#



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: VN057072.D

Acq: 5 Aug 2019 10:45

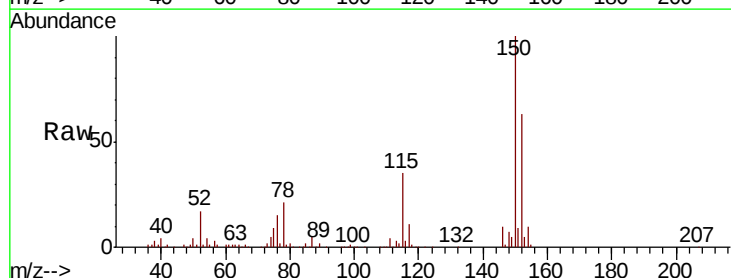
Tgt Ion:152 Resp: 220791

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.6

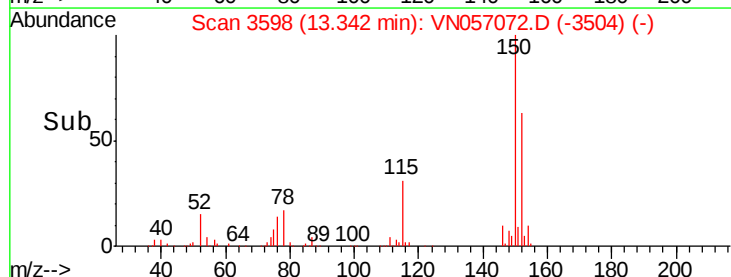
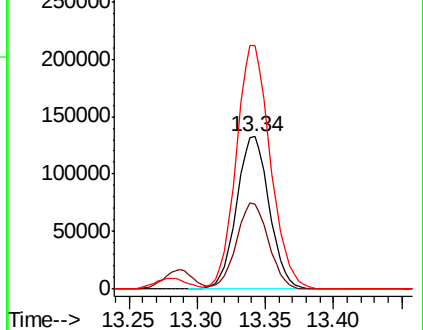
150 167.2 0.0 349.4

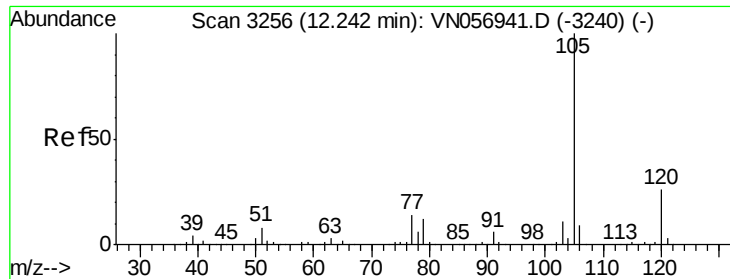


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.571 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

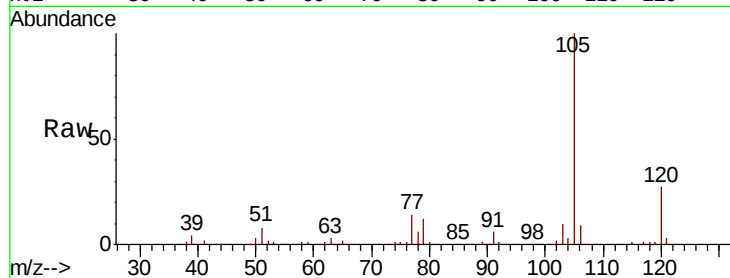
ClientSampleId :

Tot Ion:105 Resp: 430701

Ion Ratio Lower Upper

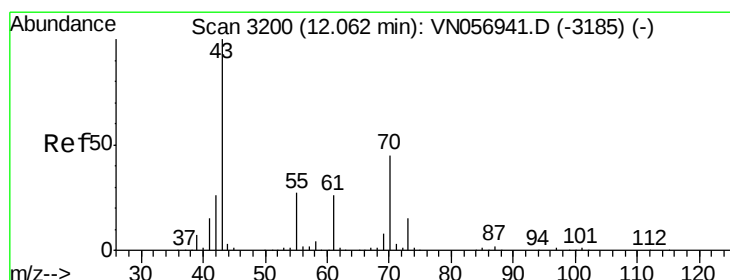
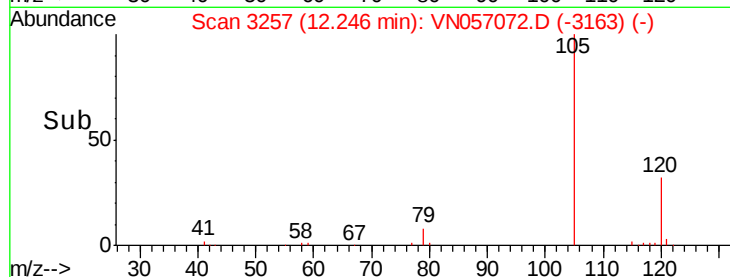
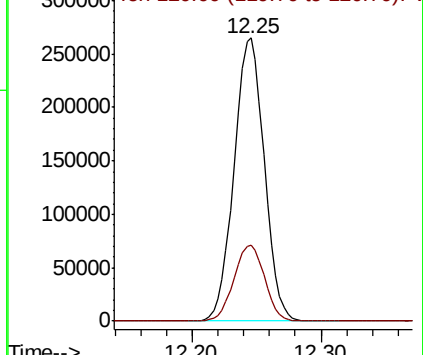
105 100

120 27.4 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: 20.304 ug/l

RT: 12.07 min Scan# 3201

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Tgt Ion: 43 Resp: 112495

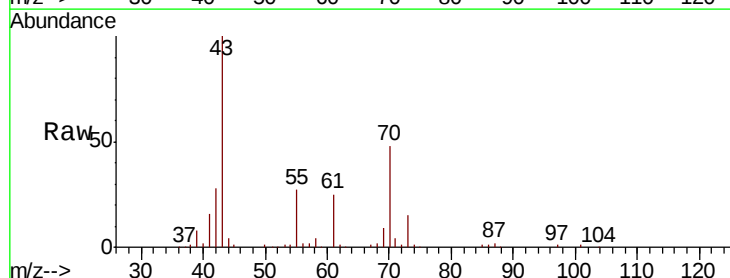
Ion Ratio Lower Upper

43 100

70 46.4 36.5 54.7

55 27.4 21.4 32.0

61 25.5 20.5 30.7

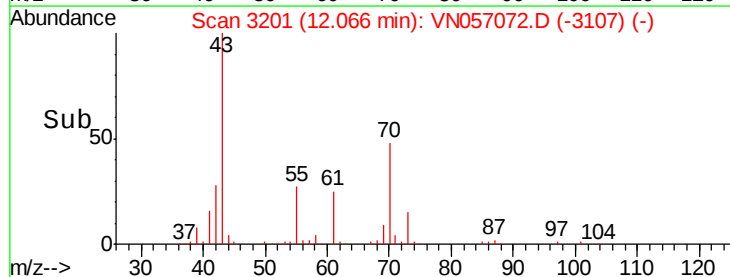
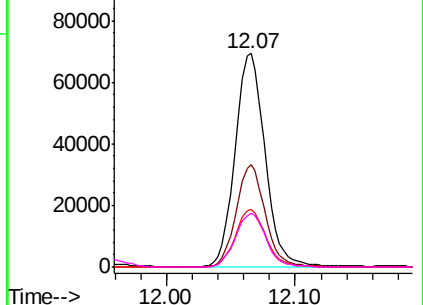


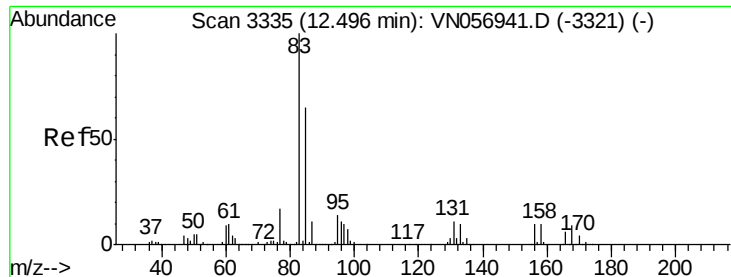
Abundance Ion 43.00 (42.70 to 43.70): V

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: 22.599 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

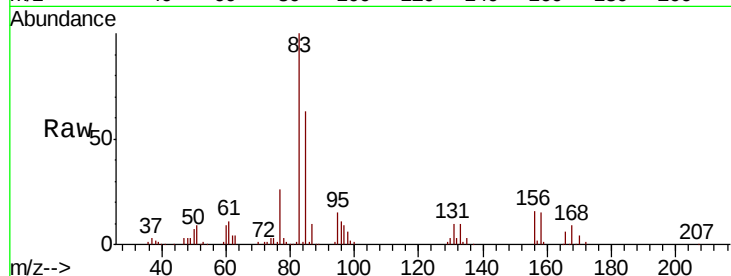
Tot Ion: 83 Resp: 115747

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

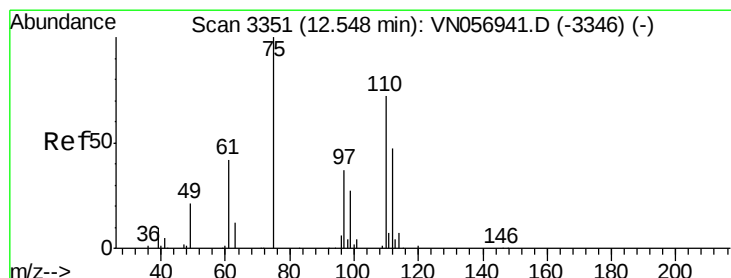
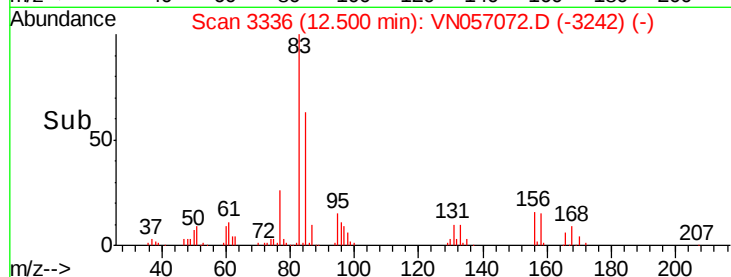
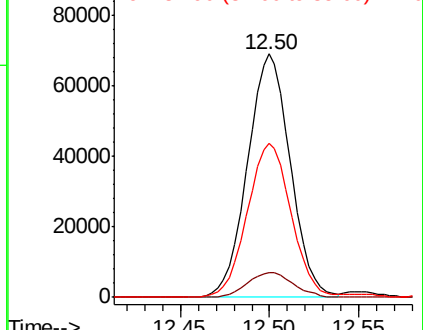
85 65.2 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN056941.D (-3321) (-)

Ion 130.80 (130.50 to 131.50): VN056941.D (-3321) (-)

Ion 84.90 (84.60 to 85.60): VN056941.D (-3321) (-)



#76

1,2,3-Trichloropropane

Concen: 29.531 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN057072.D

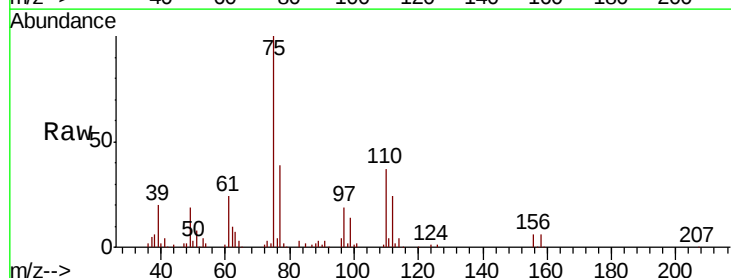
Acq: 5 Aug 2019 10:45

Tgt Ion: 75 Resp: 132416

Ion Ratio Lower Upper

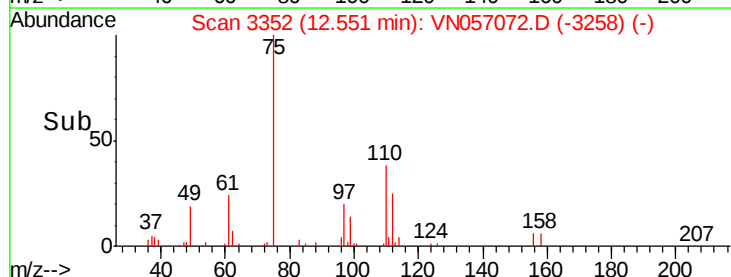
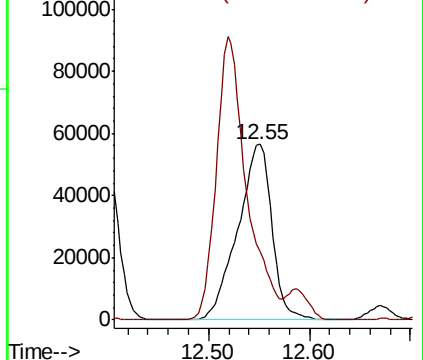
75 100

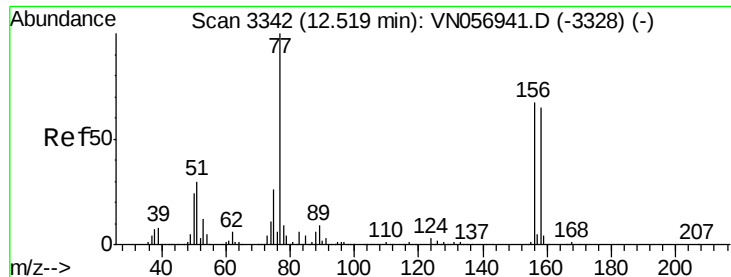
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056941.D (-3346) (-)

Ion 77.00 (76.70 to 77.70): VN056941.D (-3346) (-)





#77

Bromobenzene

Concen: 21.667 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

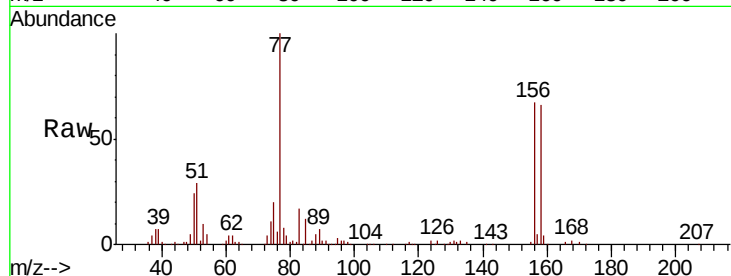
Tot Ion:156 Resp: 107907

Ion Ratio Lower Upper

156 100

77 176.0 89.5 268.5

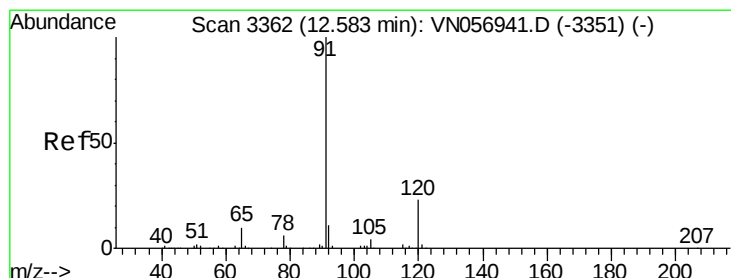
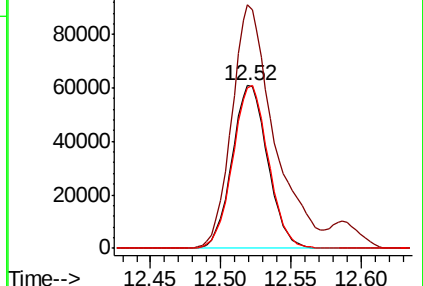
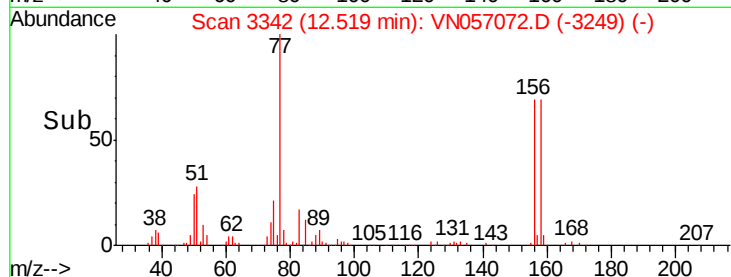
158 99.8 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.979 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN057072.D

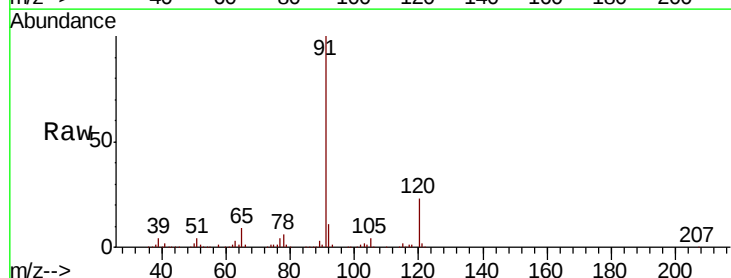
Acq: 5 Aug 2019 10:45

Tgt Ion: 91 Resp: 447798

Ion Ratio Lower Upper

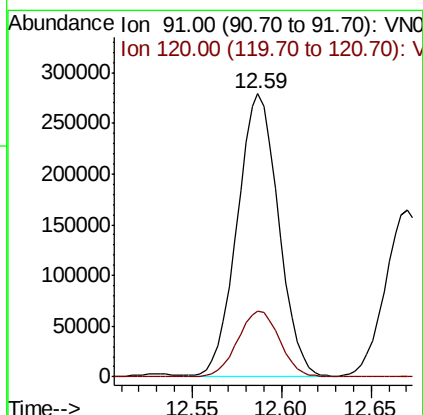
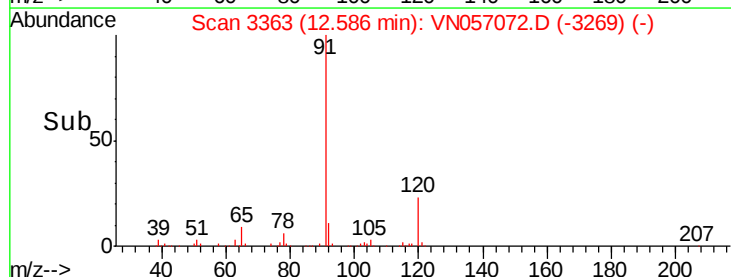
91 100

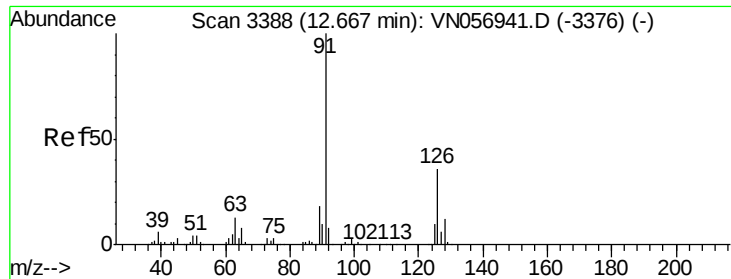
120 23.9 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.775 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

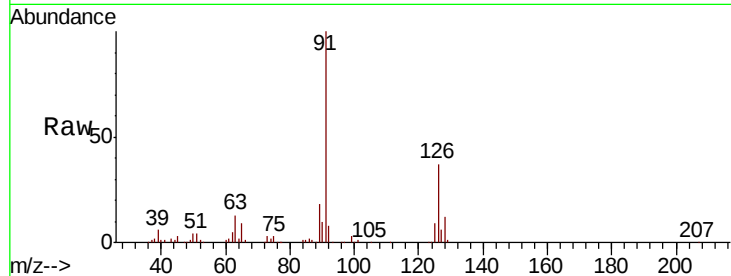
ClientSampled :

Tot Ion: 91 Resp: 273182

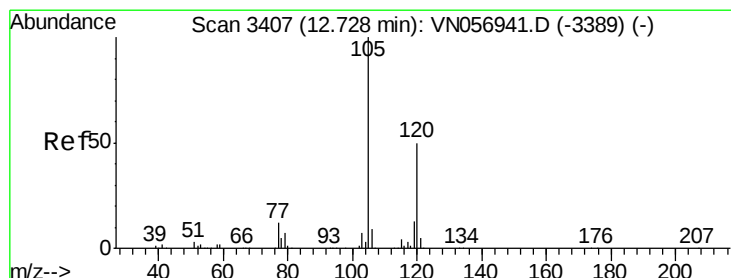
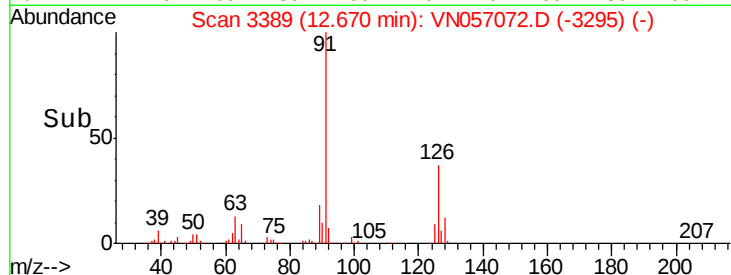
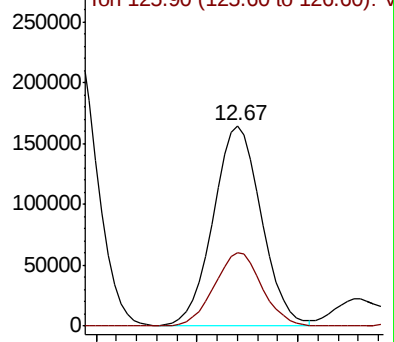
Ion Ratio Lower Upper

91 100

126 36.6 17.9 53.7



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



#80

1,3,5-Trimethylbenzene

Concen: 23.102 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN057072.D

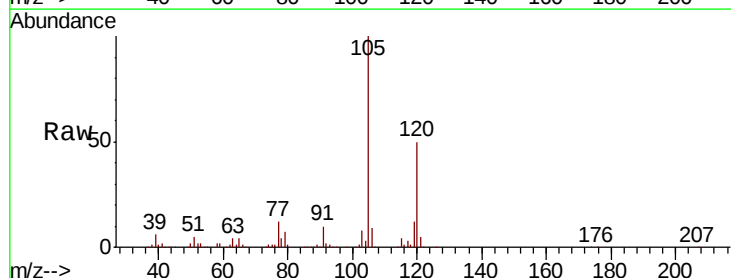
Acq: 5 Aug 2019 10:45

Tgt Ion:105 Resp: 361800

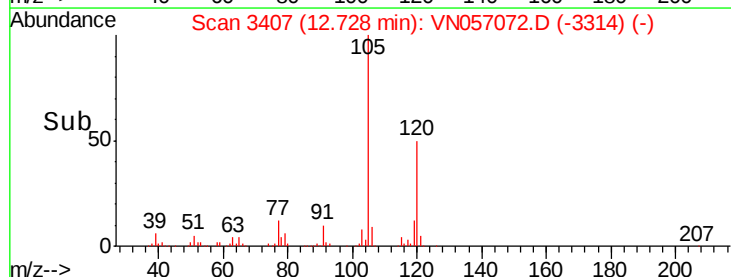
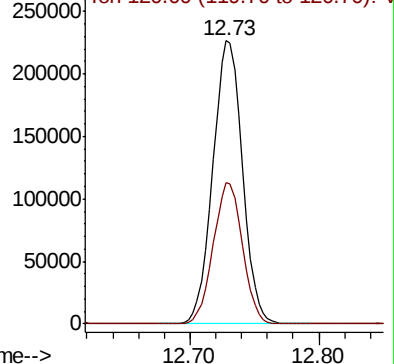
Ion Ratio Lower Upper

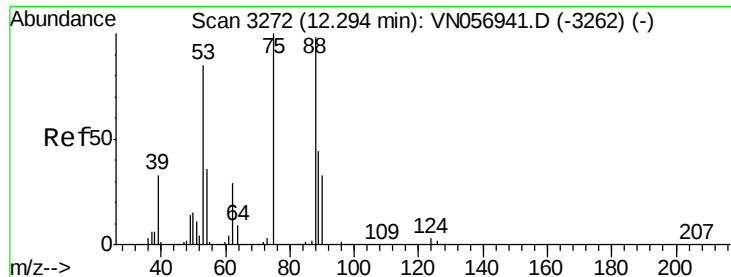
105 100

120 49.3 24.8 74.3



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

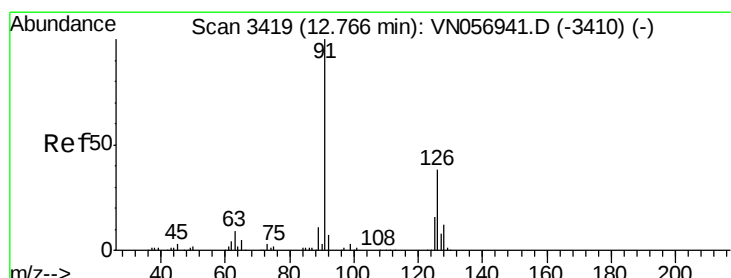
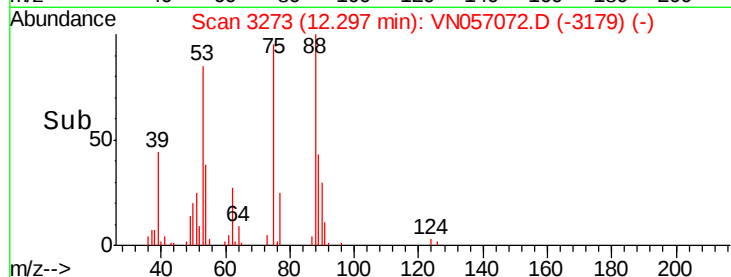
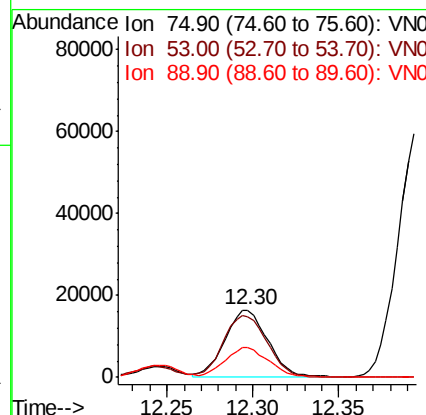
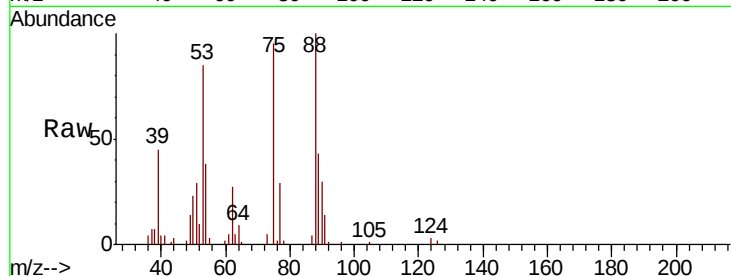




#81
trans-1,4-Dichloro-2-butene
Concen: 20.480 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

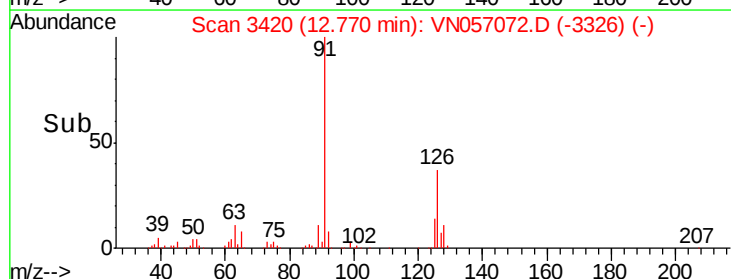
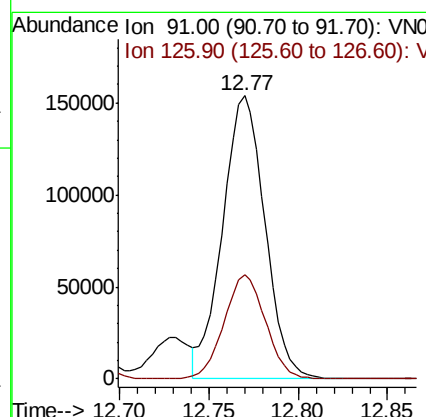
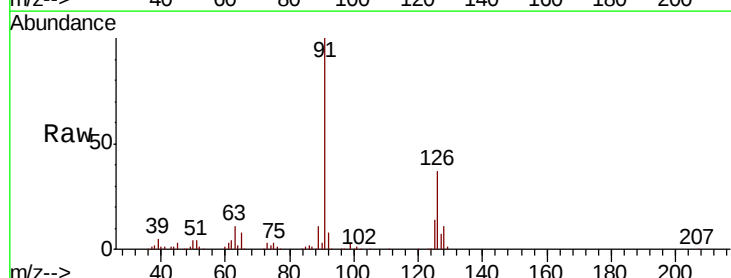
Instrument :
MSVOA_N
ClientSampled :

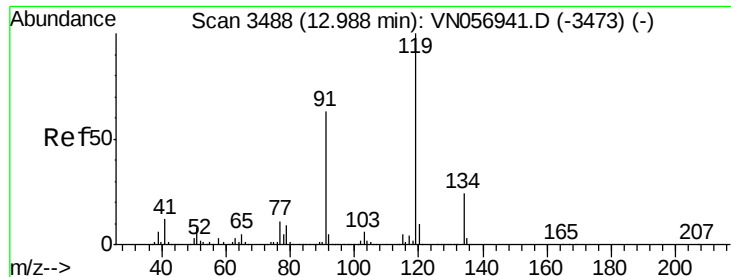
Tot Ion: 75 Resp: 28581
Ion Ratio Lower Upper
75 100
53 94.6 69.3 103.9
89 44.5 35.8 53.6



#82
4-Chlorotoluene
Concen: 21.517 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion: 91 Resp: 252621
Ion Ratio Lower Upper
91 100
126 36.2 17.5 52.5





#83

tert-Butylbenzene

Concen: 23.186 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampled :

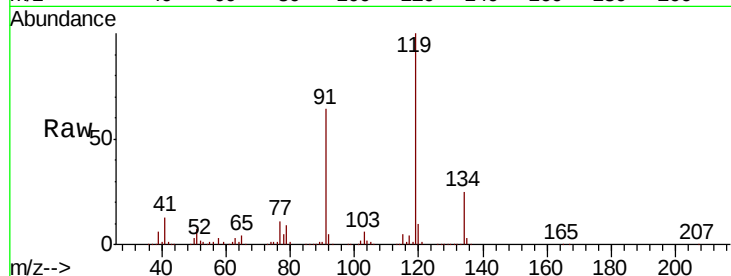
Tot Ion:119 Resp: 321446

Ion Ratio Lower Upper

119 100

91 62.1 31.3 93.8

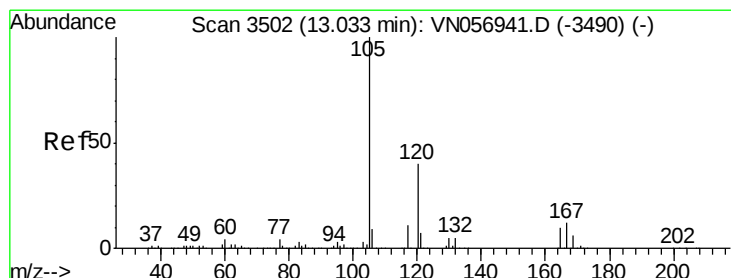
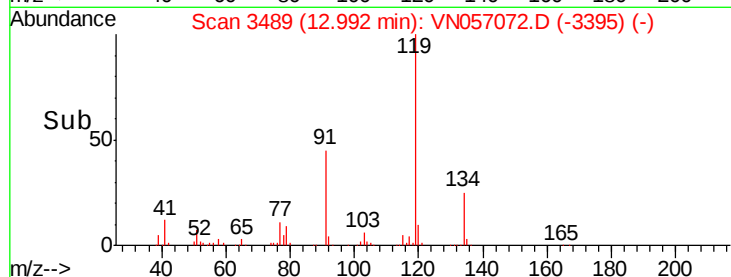
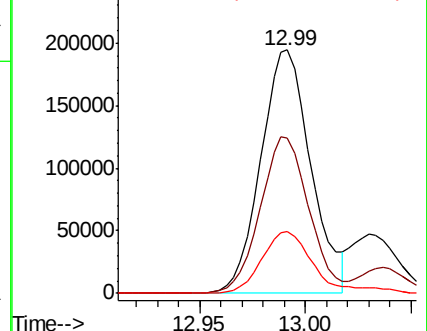
134 26.7 13.3 39.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.990 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN057072.D

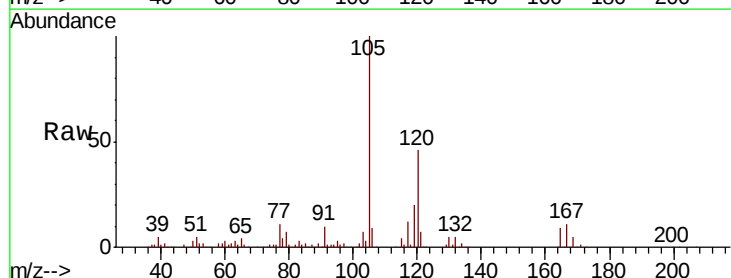
Acq: 5 Aug 2019 10:45

Tgt Ion:105 Resp: 346434

Ion Ratio Lower Upper

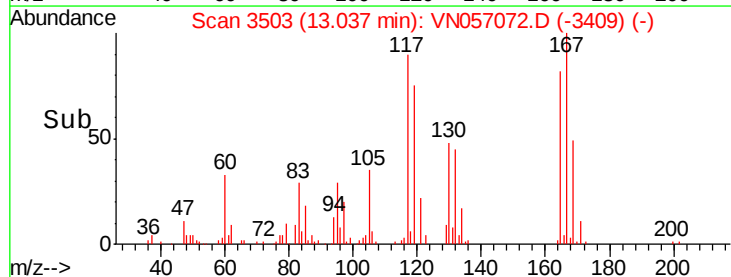
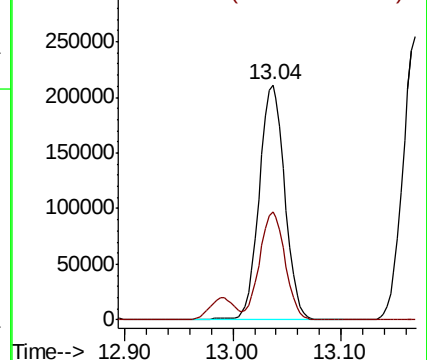
105 100

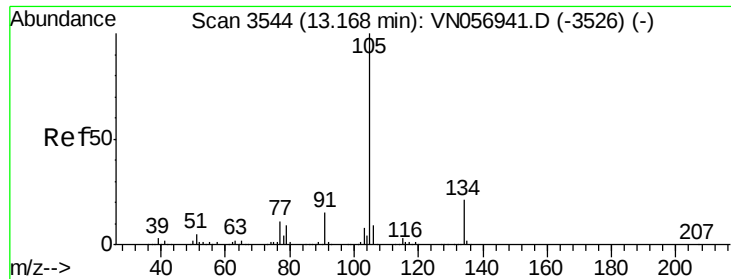
120 45.9 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.372 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

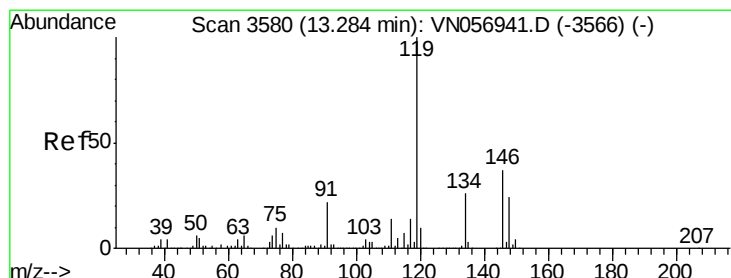
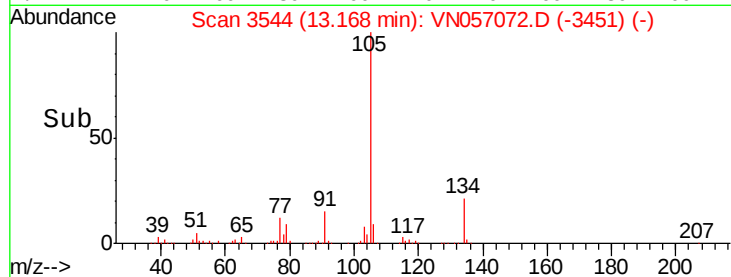
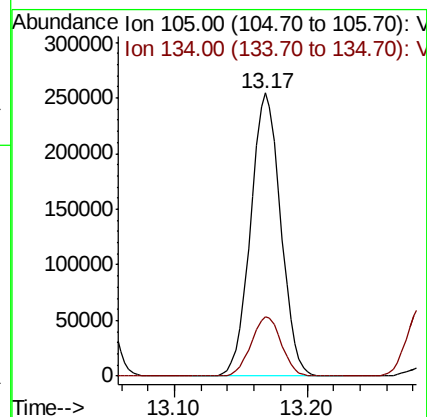
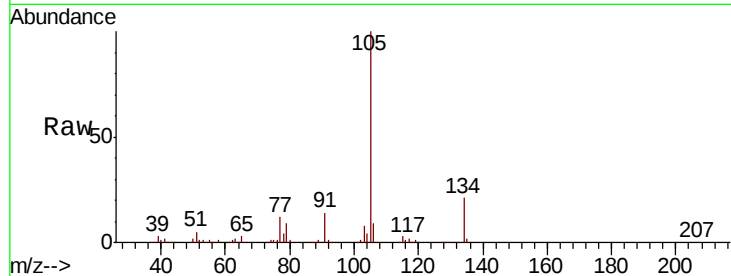
ClientSampleId :

Tot Ion:105 Resp: 400077

Ion Ratio Lower Upper

105 100

134 21.1 10.3 30.8



#86

p-Isopropyltoluene

Concen: 22.390 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

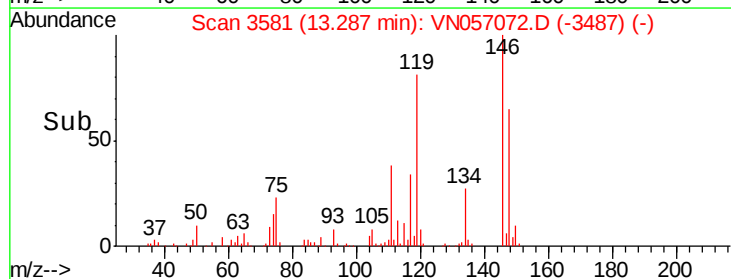
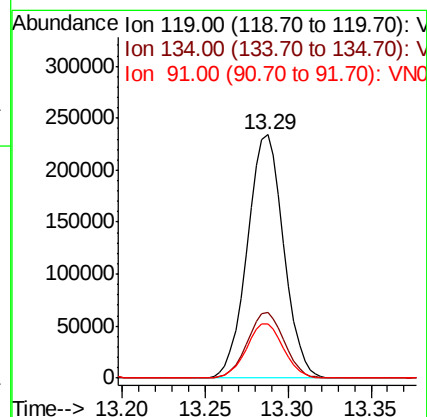
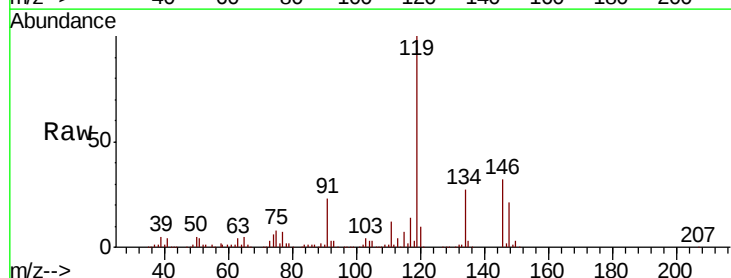
Tgt Ion:119 Resp: 355480

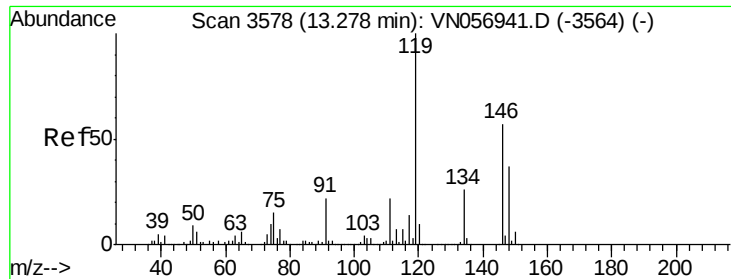
Ion Ratio Lower Upper

119 100

134 27.3 13.4 40.1

91 22.8 11.0 33.0

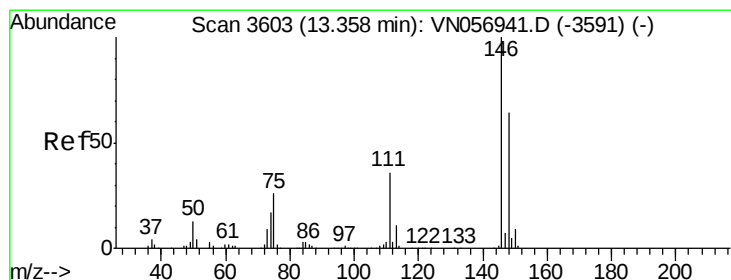
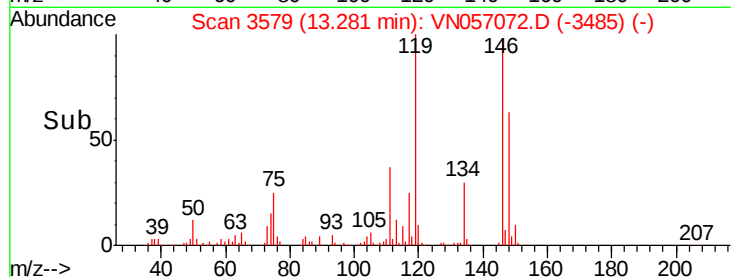
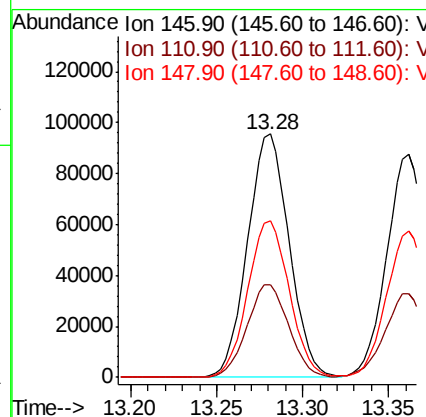
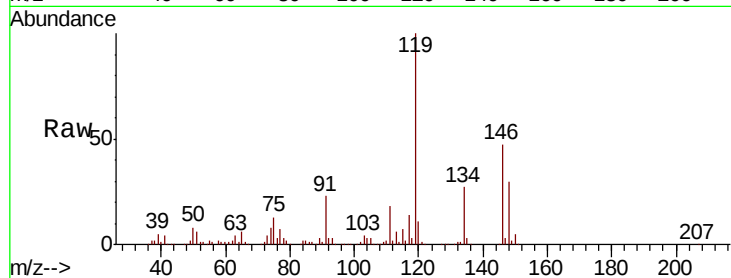




#87
 1,3-Dichlorobenzene
 Concen: 21.129 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

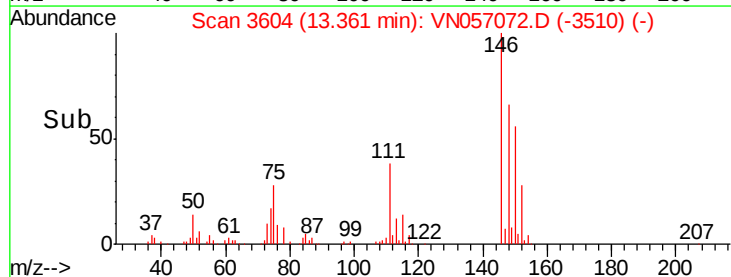
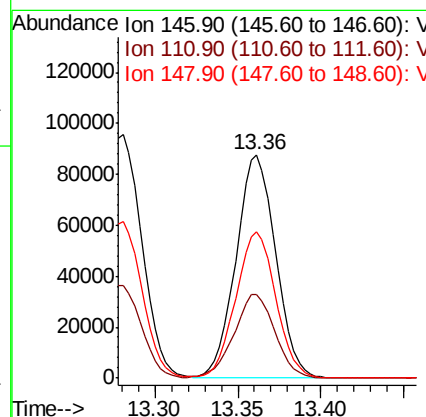
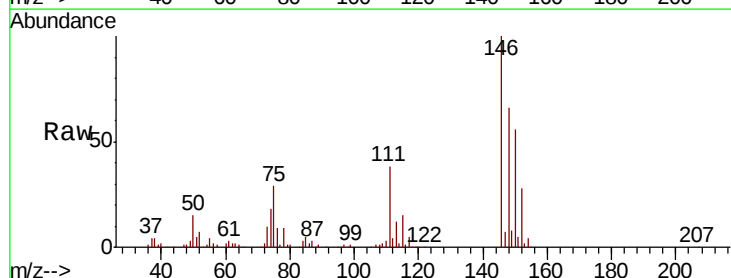
Instrument :
 MSVOA_N
 ClientSampleId :

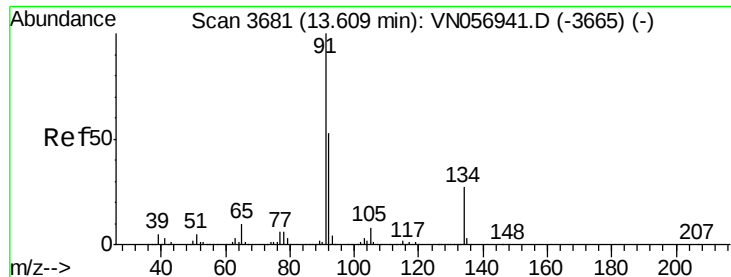
Tot Ion:146 Resp: 160060
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.6 55.8
 148 64.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion:146 Resp: 146080
 Ion Ratio Lower Upper
 146 100
 111 38.7 18.4 55.2
 148 66.0 32.3 96.9





#89

n-Butylbenzene

Concen: 20.691 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

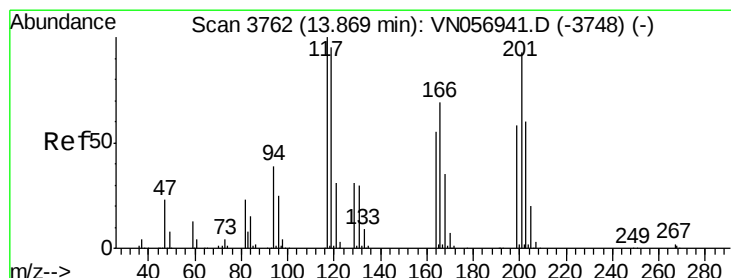
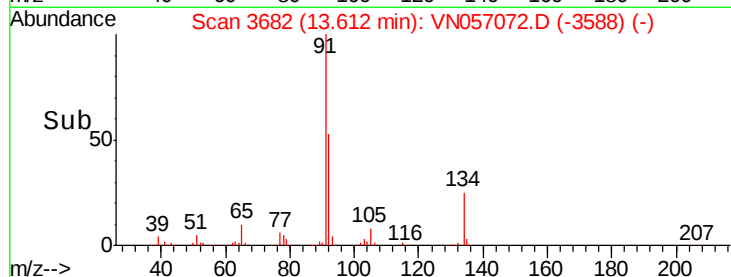
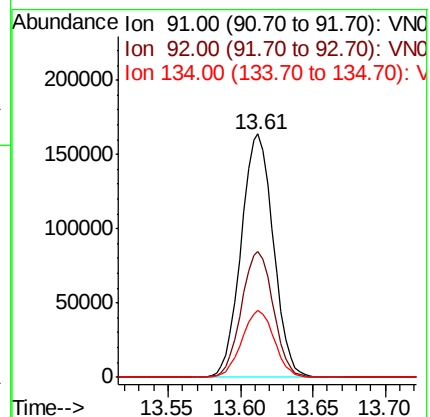
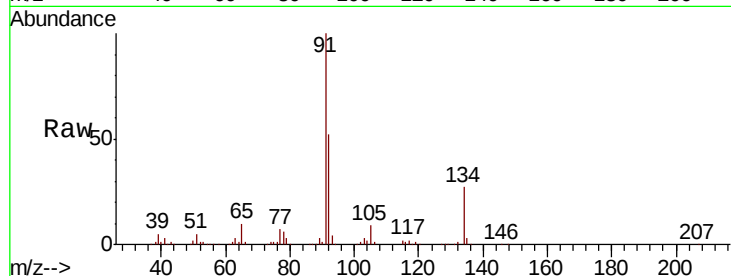
Tot Ion: 91 Resp: 253178

Ion Ratio Lower Upper

91 100

92 51.1 26.2 78.5

134 27.6 13.5 40.4



#90

Hexachloroethane

Concen: 22.114 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN057072.D

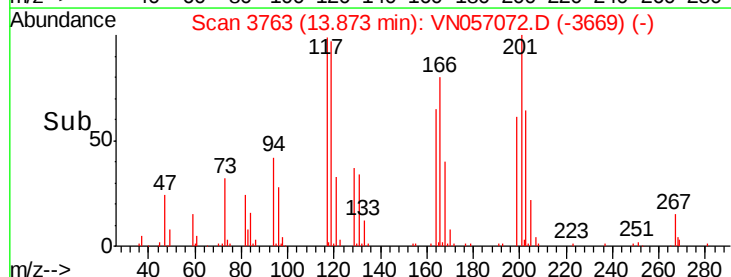
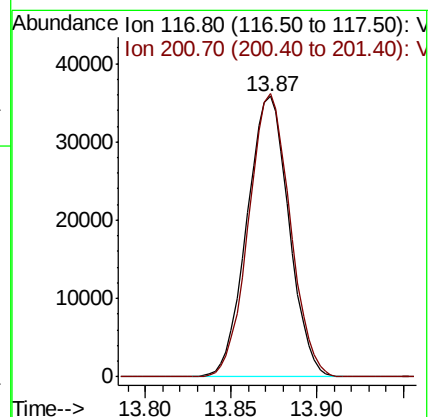
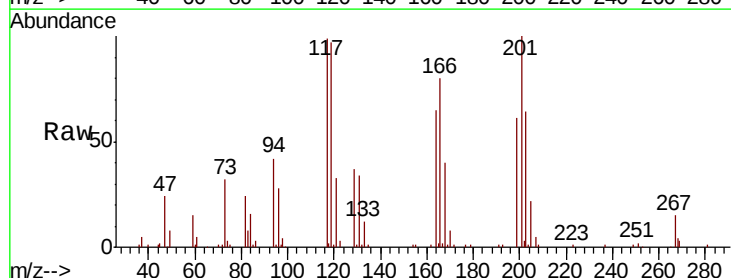
Acq: 5 Aug 2019 10:45

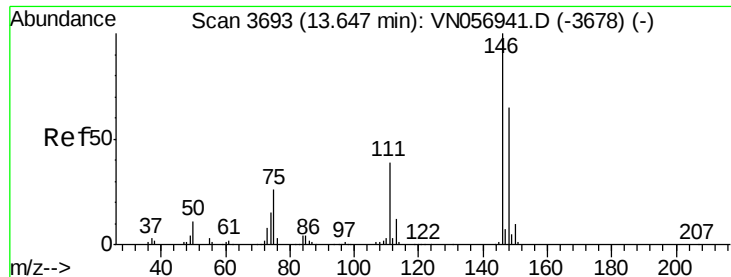
Tgt Ion: 117 Resp: 60454

Ion Ratio Lower Upper

117 100

201 99.9 47.0 141.2





#91

1,2-Dichlorobenzene

Concen: 21.823 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

Instrument :

MSVOA_N

ClientSampleId :

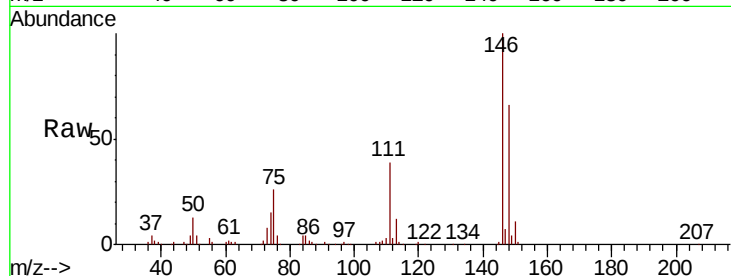
Tot Ion:146 Resp: 162708

Ion Ratio Lower Upper

146 100

111 38.5 19.4 58.4

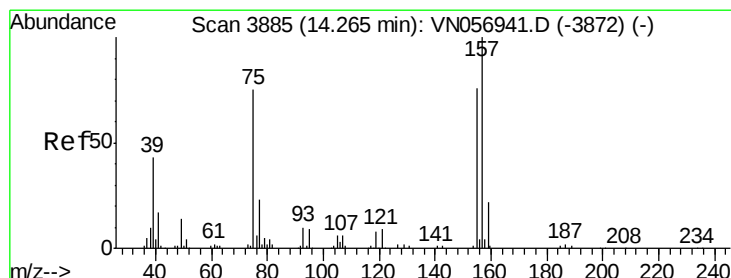
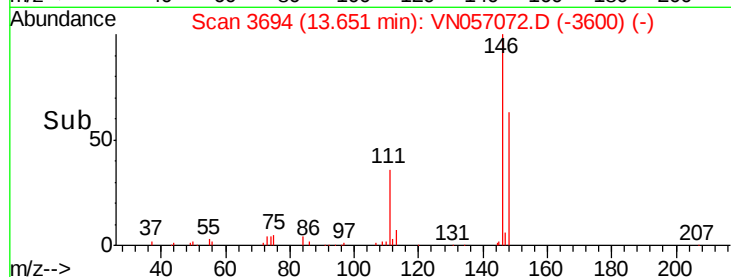
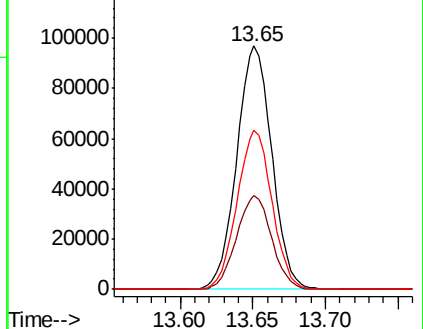
148 65.0 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.368 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN057072.D

Acq: 5 Aug 2019 10:45

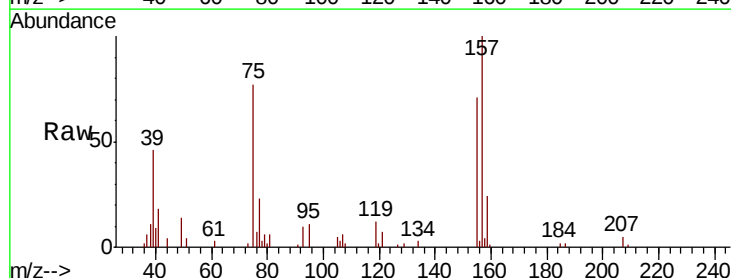
Tgt Ion: 75 Resp: 14699

Ion Ratio Lower Upper

75 100

155 98.7 50.2 150.6

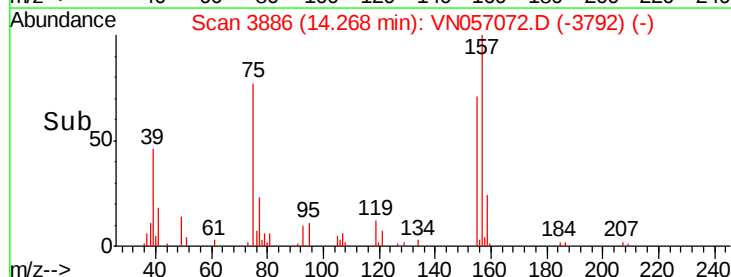
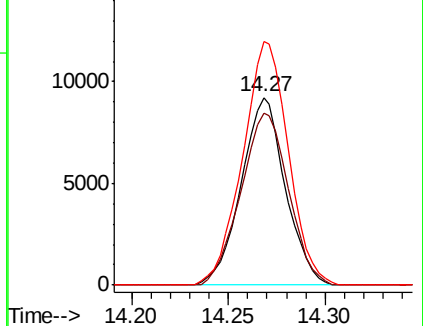
157 134.3 65.1 195.4

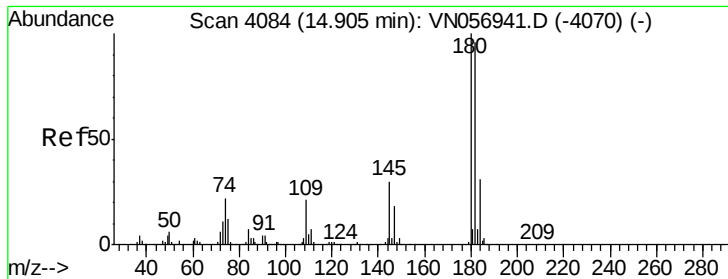


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

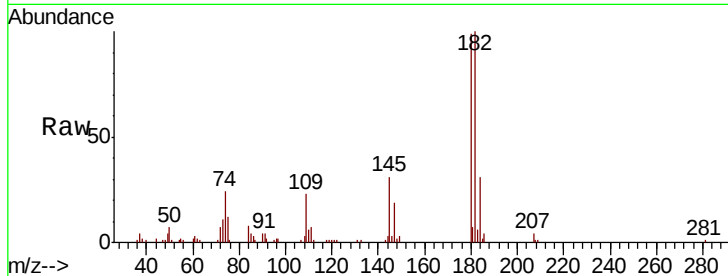




#93
 1,2,4-Trichlorobenzene
 Concen: 15.500 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	47.6	142.8
145	29.2	14.2	42.8

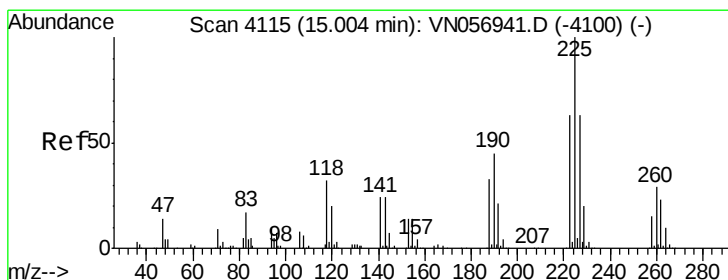
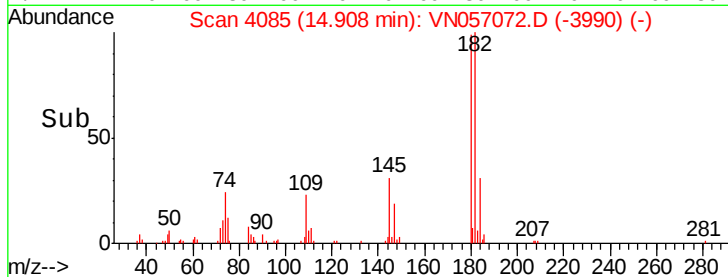
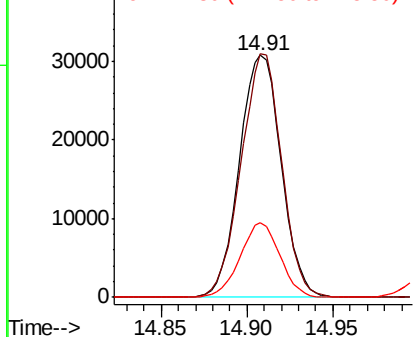


Abundance

Ion 179.80 (179.50 to 180.50): V

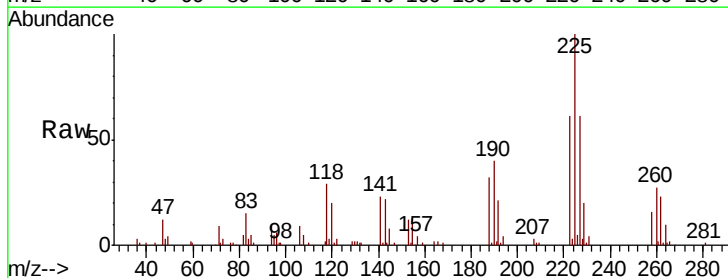
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 25.839 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN057072.D
 Acq: 5 Aug 2019 10:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	30.8	92.4
227	63.0	31.1	93.5

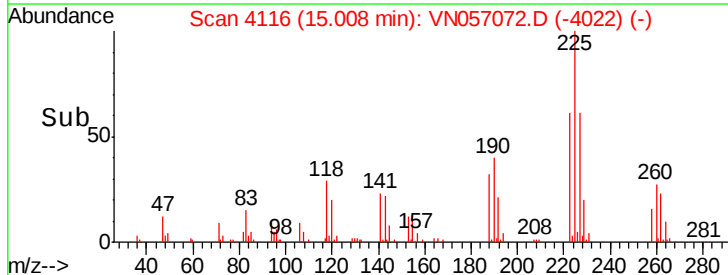
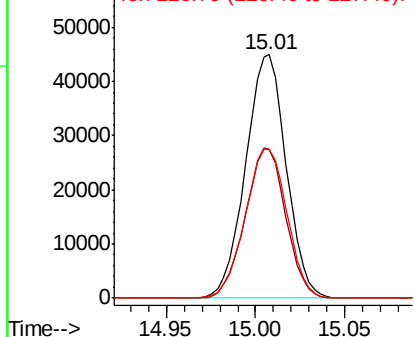


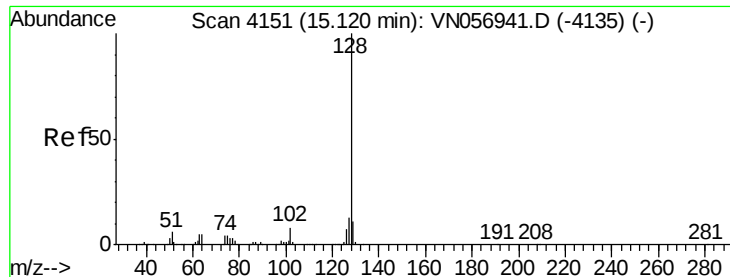
Abundance

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

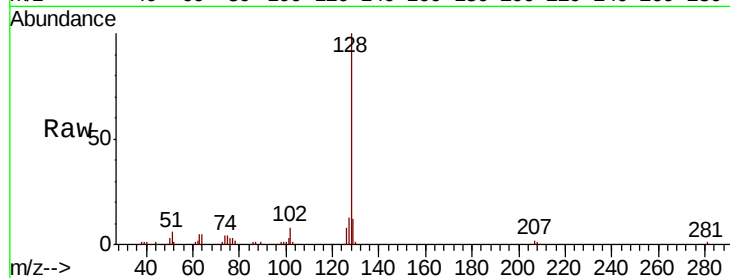




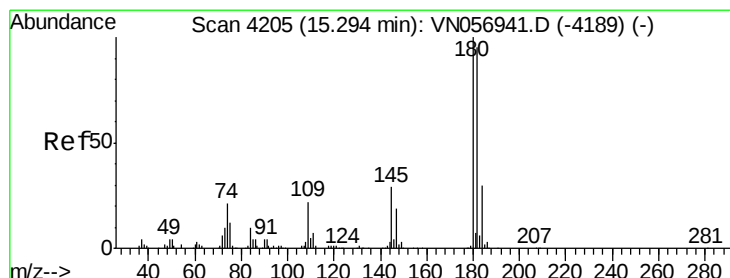
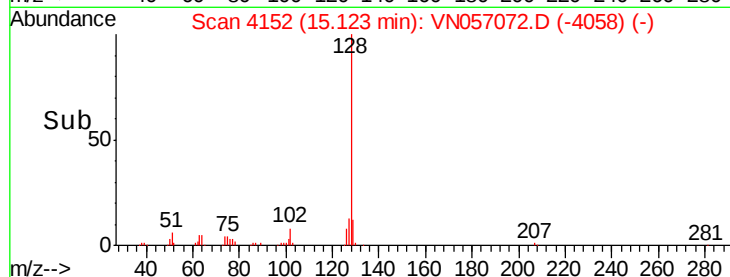
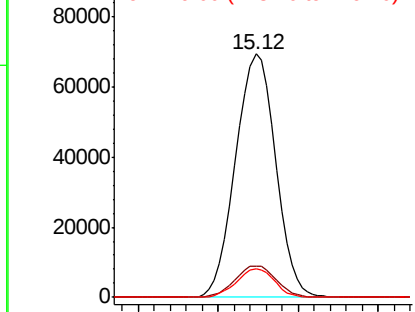
#95
Naphthalene
Concen: 15.348 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 118852
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 11.1 8.7 13.1

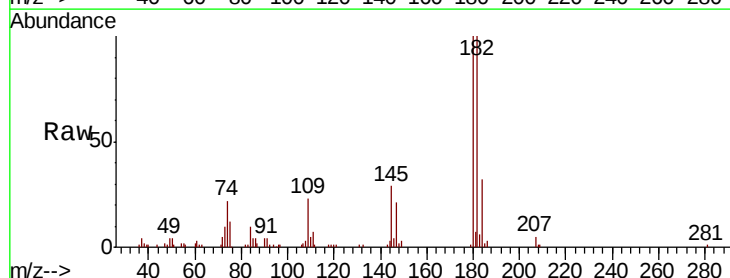


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 17.052 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN057072.D
Acq: 5 Aug 2019 10:45

Tgt Ion:180 Resp: 60801
Ion Ratio Lower Upper
180 100
182 99.3 48.0 144.2
145 30.5 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

