

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062619\
 Data File : VN056505.D
 Acq On : 26 Jun 2019 14:47
 Operator : JC/SP
 Sample : VN0626WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 27 07:39:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061919W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 03:45:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	355720	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	560804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176080	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	195435	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
35) Dibromofluoromethane	7.59	113	169697	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	10.09	98	639678	46.99	ug/l	0.00
Spiked Amount			Recovery	=	93.98%	
62) 4-Bromofluorobenzene	12.40	95	204407	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	55093	18.291	ug/l	97
3) Chloromethane	2.06	50	73504	17.922	ug/l	100
4) Vinyl Chloride	2.18	62	74202	18.732	ug/l	99
5) Bromomethane	2.53	94	43543	18.751	ug/l	97
6) Chloroethane	2.68	64	43856	19.118	ug/l	98
7) Trichlorofluoromethane	3.00	101	99293	19.378	ug/l	100
8) Diethyl Ether	3.41	74	42476	19.587	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	62265	19.055	ug/l	99
10) Methyl Iodide	3.94	142	80963	18.332	ug/l	99
11) Tert butyl alcohol	4.80	59	75821	114.186	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	58710	18.683	ug/l	97
13) Acrolein	3.61	56	34311	61.309	ug/l	96
14) Allyl chloride	4.32	41	100998	19.308	ug/l	99
15) Acrylonitrile	4.99	53	189796	103.319	ug/l	99
16) Acetone	3.82	43	163343	82.695	ug/l	97
17) Carbon Disulfide	4.05	76	113439	15.872	ug/l	100
18) Methyl Acetate	4.33	43	83245	21.015	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	209048	20.105	ug/l	99
20) Methylene Chloride	4.55	84	74106	19.356	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	63081	18.619	ug/l	98
22) Diisopropyl ether	5.95	45	221998	20.208	ug/l	97
23) Vinyl Acetate	5.90	43	893204	103.085	ug/l	100
24) 1,1-Dichloroethane	5.85	63	126138	20.003	ug/l	100
25) 2-Butanone	6.84	43	248400	95.018	ug/l	99
26) 2,2-Dichloropropane	6.82	77	80292	18.307	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	78733	19.863	ug/l	99
28) Bromochloromethane	7.19	49	57384	18.397	ug/l	97
29) Tetrahydrofuran	7.21	42	164879	103.206	ug/l	100
30) Chloroform	7.37	83	126691	20.360	ug/l	98
31) Cyclohexane	7.65	56	110756	18.193	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	99267	20.126	ug/l	99
36) 1,1-Dichloropropene	7.79	75	87994	17.827	ug/l	100
37) Ethyl Acetate	6.93	43	98117	20.227	ug/l	99
38) Carbon Tetrachloride	7.77	117	82125	19.026	ug/l	99

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

39) Methylcyclohexane	9.08	83	102414	16.815	ug/l	98
40) Benzene	8.04	78	286789	18.888	ug/l	100
41) Methacrylonitrile	7.21	41	144398	67.411	ug/l #	12
42) 1,2-Dichloroethane	8.12	62	97255	19.409	ug/l	99
43) Isopropyl Acetate	8.17	43	148162	19.808	ug/l	100
44) Trichloroethene	8.83	130	75781	18.528	ug/l	99
45) 1,2-Dichloropropane	9.12	63	80415	19.804	ug/l	97
46) Dibromomethane	9.21	93	50552	19.899	ug/l	99
47) Bromodichloromethane	9.40	83	89455	19.854	ug/l	99
48) Methyl methacrylate	9.20	41	73926	19.722	ug/l	97
49) 1,4-Dioxane	9.20	88	30652	394.053	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	474989	98.386	ug/l	100
52) Toluene	10.16	92	173692	18.711	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	87106	18.530	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	105196	19.388	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	74155	19.874	ug/l	98
56) Ethyl methacrylate	10.43	69	105788	19.400	ug/l	99
57) 1,3-Dichloropropane	10.71	76	124074	19.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	148198	75.650	ug/l	99
59) 2-Hexanone	10.75	43	340975	96.096	ug/l	99
60) Dibromochloromethane	10.90	129	68034	19.276	ug/l	99
61) 1,2-Dibromoethane	11.00	107	75744	19.876	ug/l	100
64) Tetrachloroethene	10.63	164	75709	19.696	ug/l	97
65) Chlorobenzene	11.43	112	186707	19.143	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	67108	20.358	ug/l	98
67) Ethyl Benzene	11.51	91	322407	18.826	ug/l	99
68) m/p-Xylenes	11.62	106	236746	37.722	ug/l	98
69) o-Xylene	11.95	106	120270	19.370	ug/l	97
70) Styrene	11.96	104	190665	19.211	ug/l	99
71) Bromoform	12.13	173	44721	18.902	ug/l #	99
73) Isopropylbenzene	12.25	105	315795	22.394	ug/l	99
74) N-amyl acetate	12.07	43	116261	20.746	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	103056	23.544	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	115728	31.697	ug/l #	100
77) Bromobenzene	12.52	156	81390	20.672	ug/l	97
78) n-propylbenzene	12.59	91	319272	19.800	ug/l	100
79) 2-Chlorotoluene	12.67	91	204980	21.754	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	251220	21.377	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20710	20.160	ug/l	94
82) 4-Chlorotoluene	12.77	91	185131	19.445	ug/l	98
83) tert-Butylbenzene	12.99	119	229102	22.191	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	232880	19.646	ug/l	100
85) sec-Butylbenzene	13.17	105	283632	20.013	ug/l	100
86) p-Isopropyltoluene	13.29	119	235166	19.334	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	114995	19.273	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	108289	18.740	ug/l	99
89) n-Butylbenzene	13.61	91	153809	16.704	ug/l	100
90) Hexachloroethane	13.87	117	39797	20.987	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	118707	20.053	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	13043	20.019	ug/l	98

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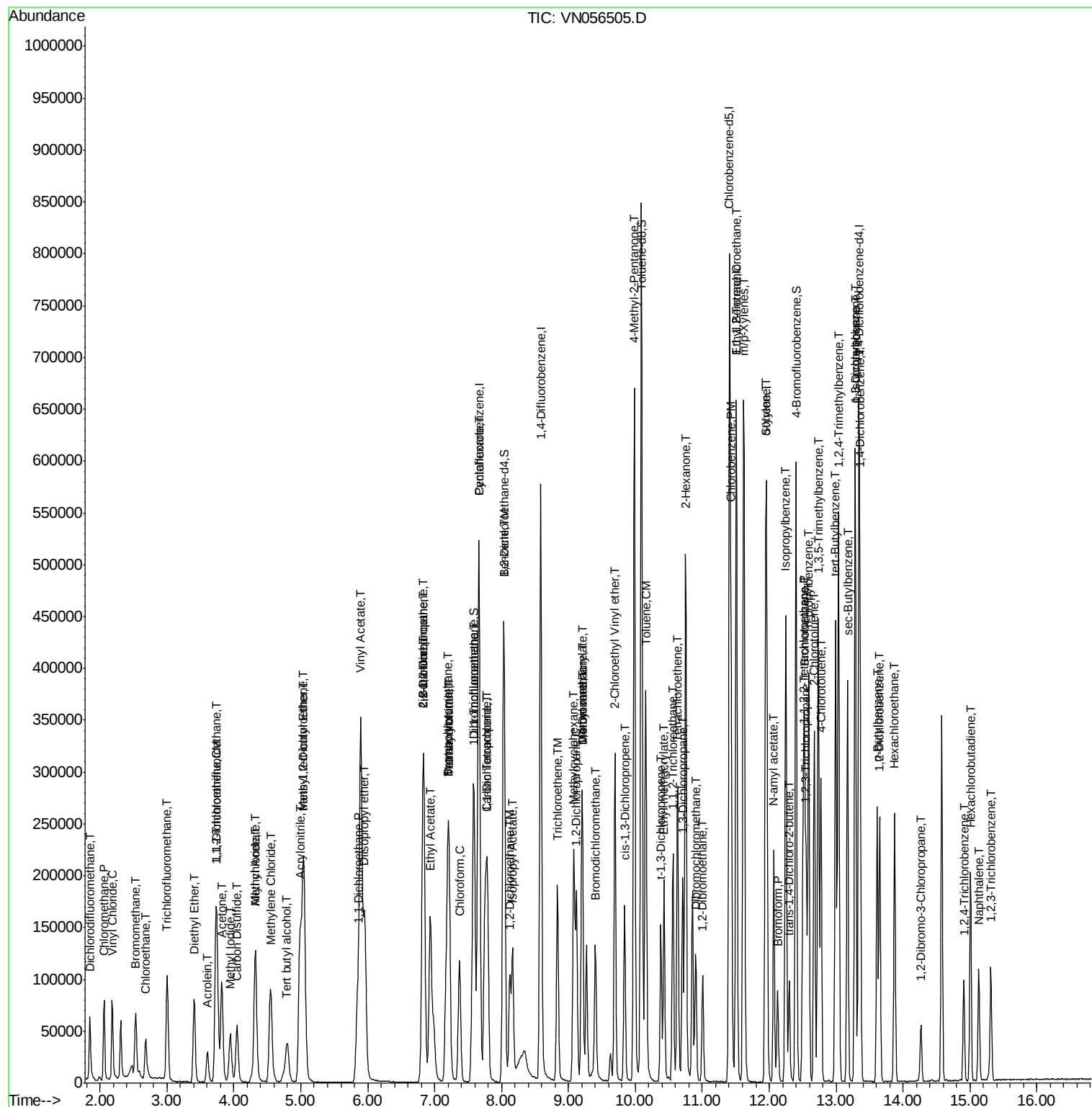
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	34131	15.443	ug/l	98
94) Hexachlorobutadiene	15.01	225	43288	20.469	ug/l	99
95) Naphthalene	15.13	128	98591	16.198	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	40842	16.121	ug/l	99

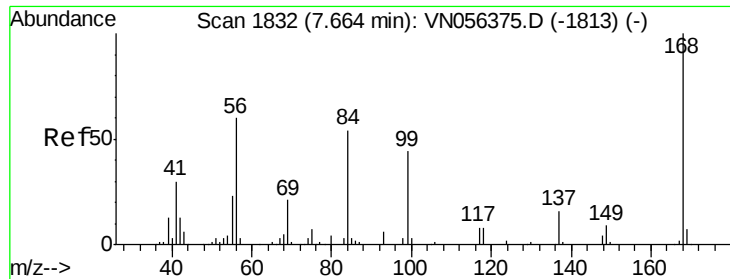
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062619\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

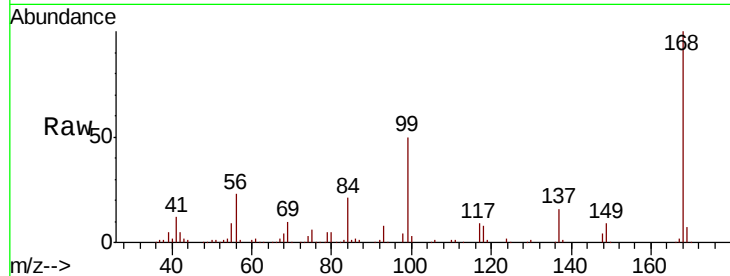
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 355720

Ion Ratio Lower Upper

168 100

99 49.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

100000

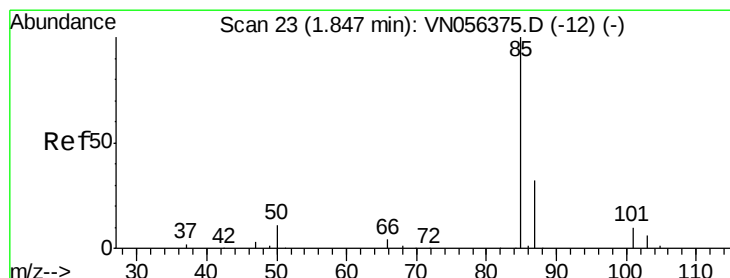
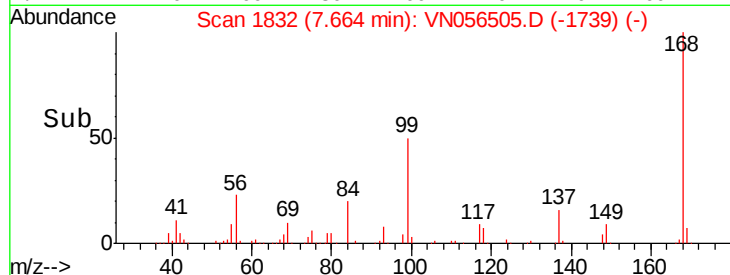
50000

0

7.66

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.291 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN056505.D

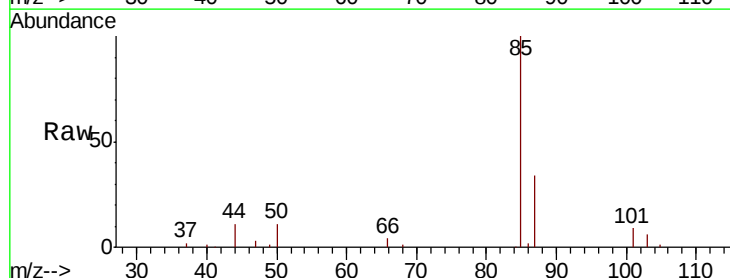
Acq: 26 Jun 2019 14:47

Tgt Ion: 85 Resp: 55093

Ion Ratio Lower Upper

85 100

87 33.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

40000

30000

20000

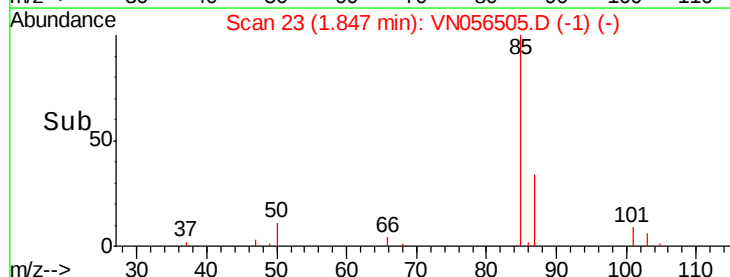
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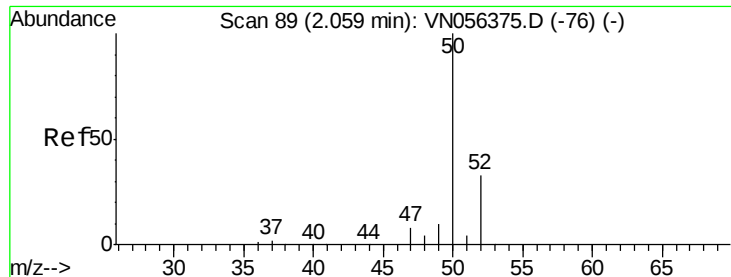
0

1.85

1.80 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.922 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

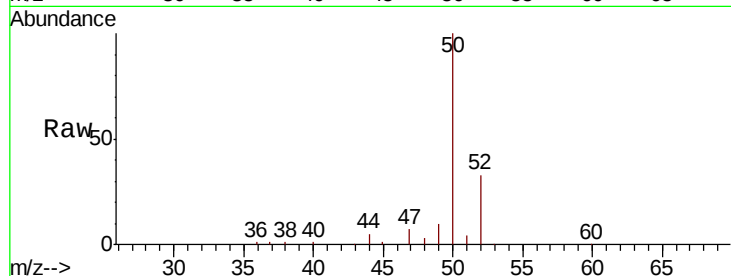
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 73504

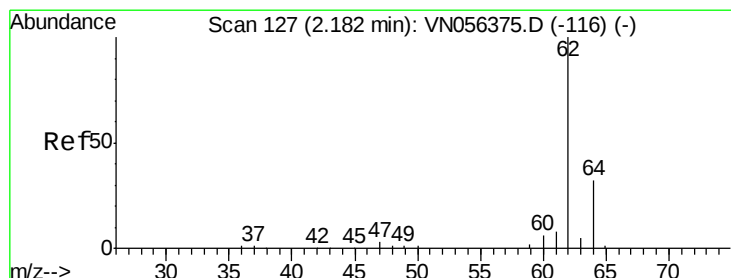
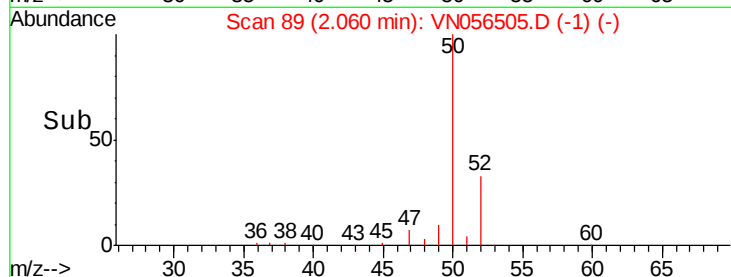
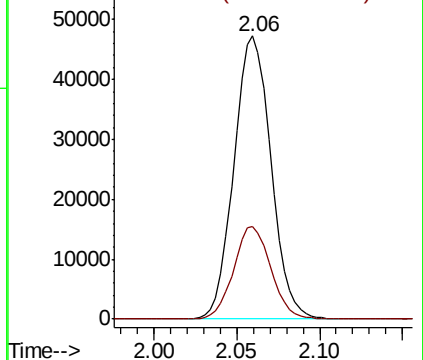
Ion Ratio Lower Upper

50 100

52 32.9 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0
Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 18.732 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN056505.D

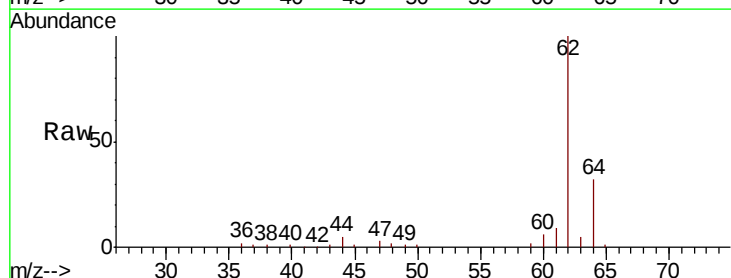
Acq: 26 Jun 2019 14:47

Tgt Ion: 62 Resp: 74202

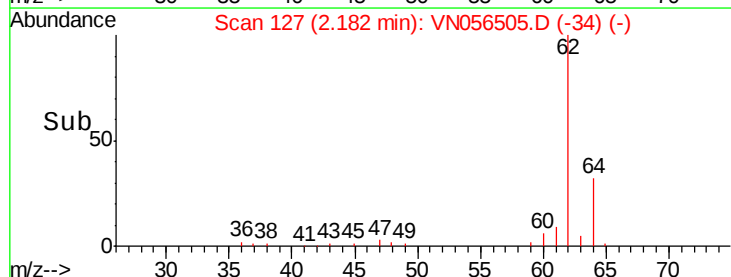
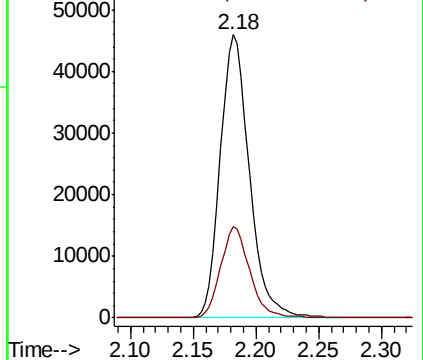
Ion Ratio Lower Upper

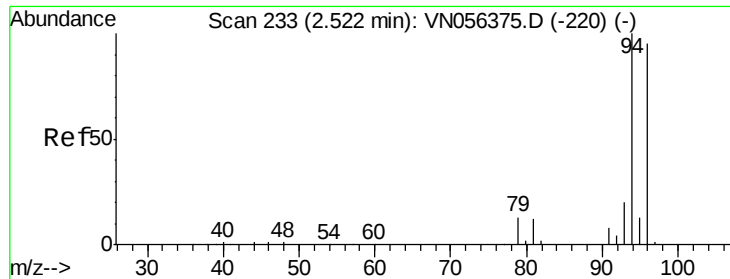
62 100

64 32.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 63.90 (63.60 to 64.60): VN0

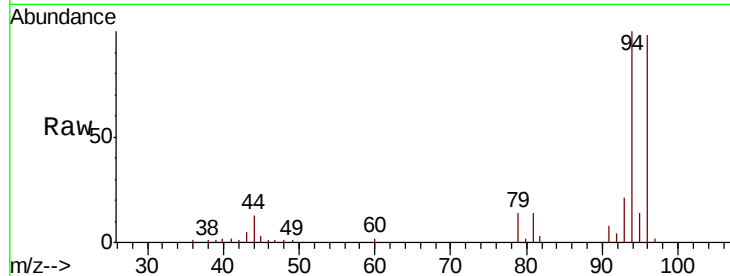




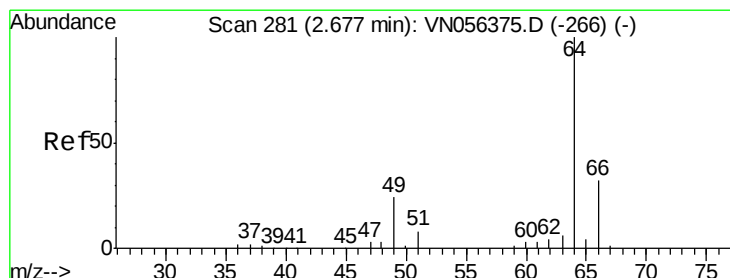
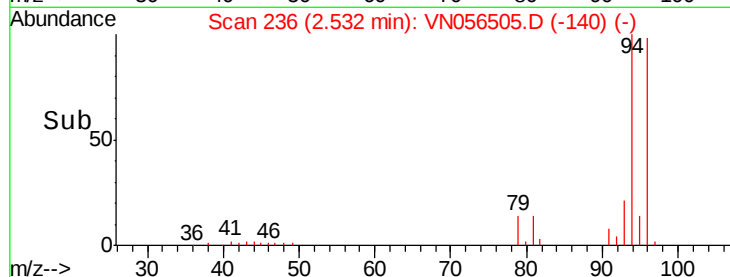
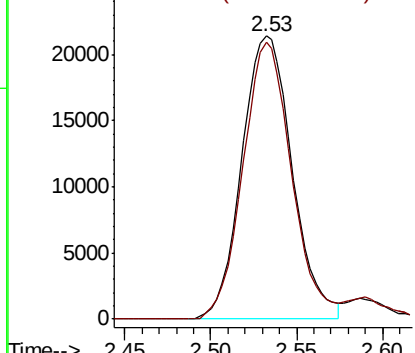
#5
Bromomethane
Concen: 18.751 ug/l
RT: 2.53 min Scan# 236
Delta R.T. 0.01 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 94 Resp: 43543
Ion Ratio Lower Upper
94 100
96 98.1 76.0 114.0

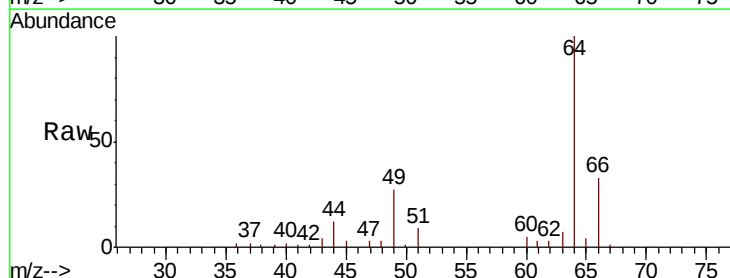


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

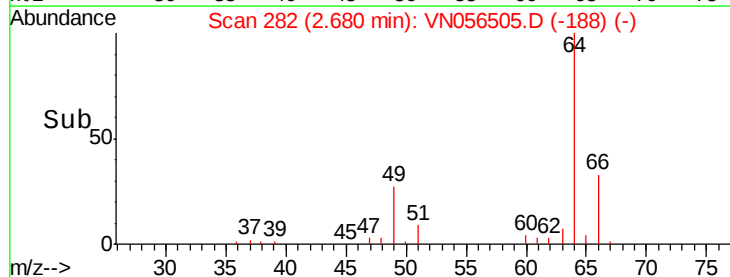
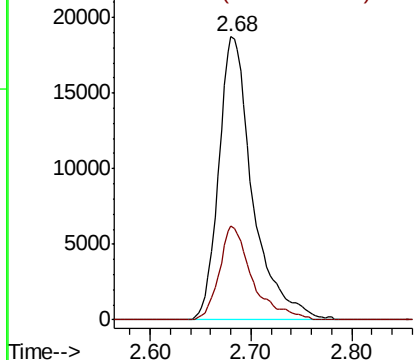


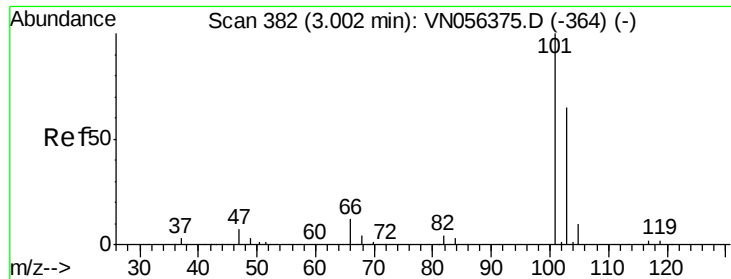
#6
Chloroethane
Concen: 19.118 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 64 Resp: 43856
Ion Ratio Lower Upper
64 100
66 33.2 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



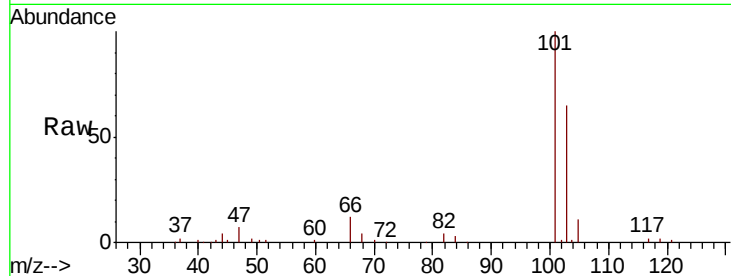


#7

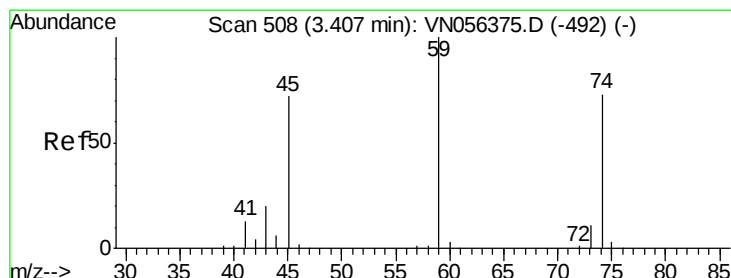
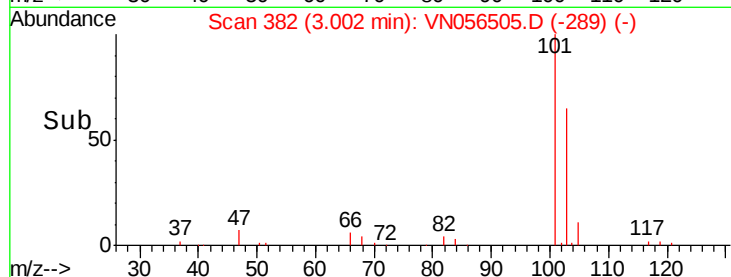
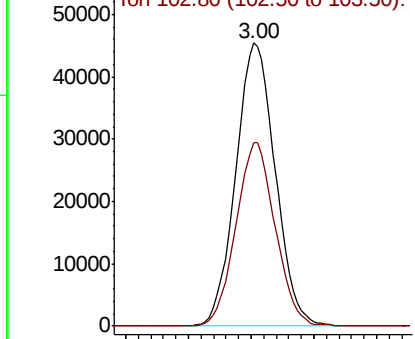
Trichlorofluoromethane
Concen: 19.378 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:101 Resp: 99293
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5



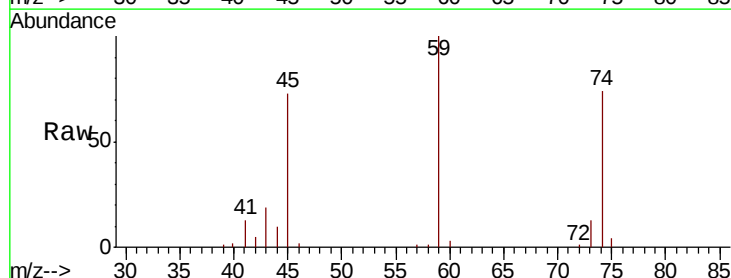
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



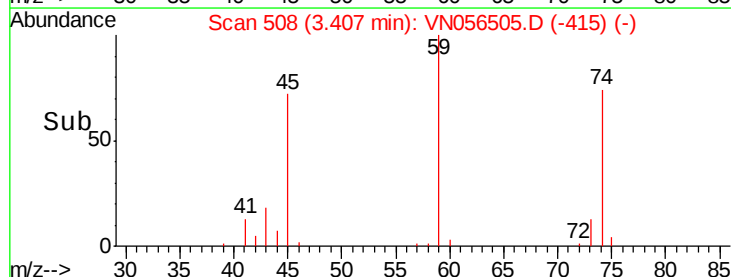
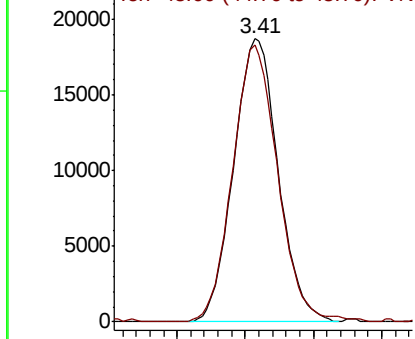
#8

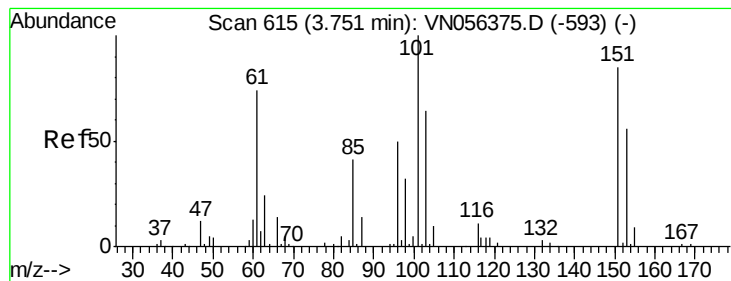
Diethyl Ether
Concen: 19.587 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 74 Resp: 42476
Ion Ratio Lower Upper
74 100
45 98.1 48.9 146.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.055 ug/l

RT: 3.75 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN056505.D

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ClientSampleId :

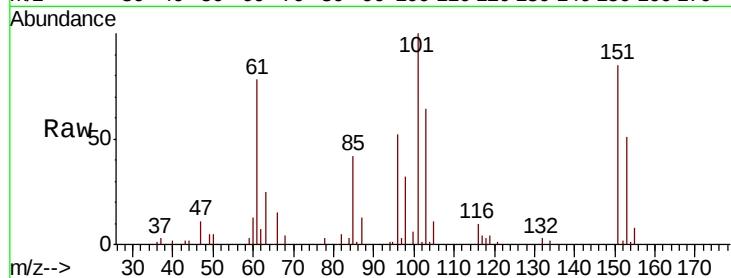
Tot Ion:101 Resp: 62265

Ion Ratio Lower Upper

101 100

85 41.9 32.7 49.1

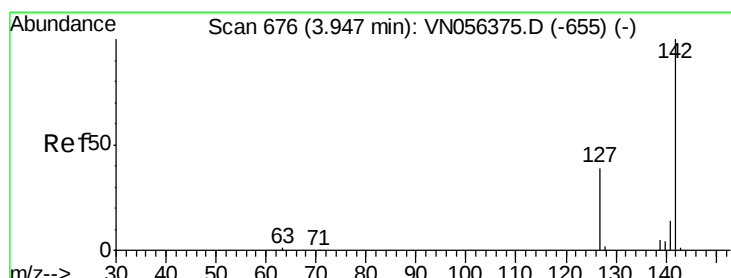
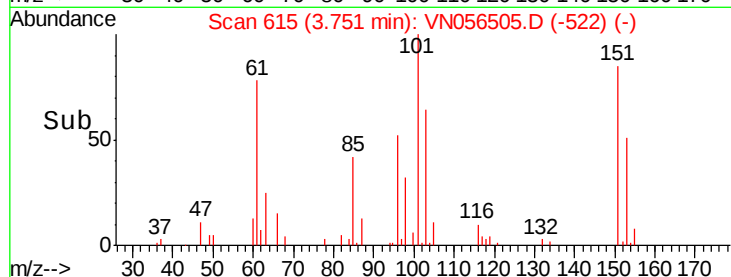
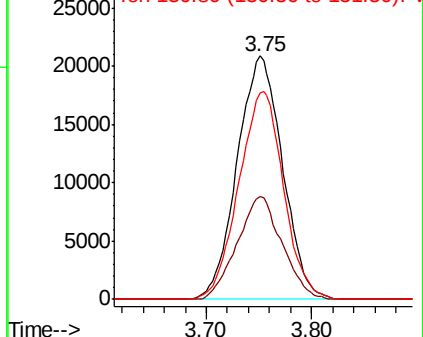
151 84.2 66.8 100.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 18.332 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

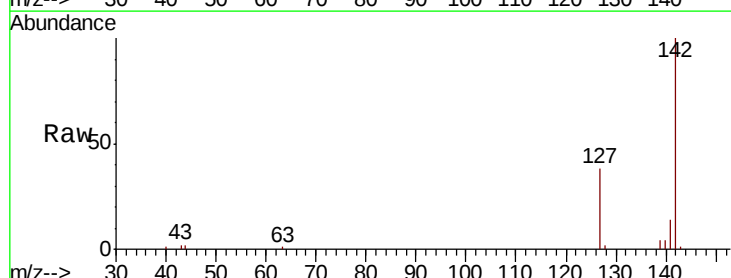
Tgt Ion:142 Resp: 80963

Ion Ratio Lower Upper

142 100

127 38.4 30.6 46.0

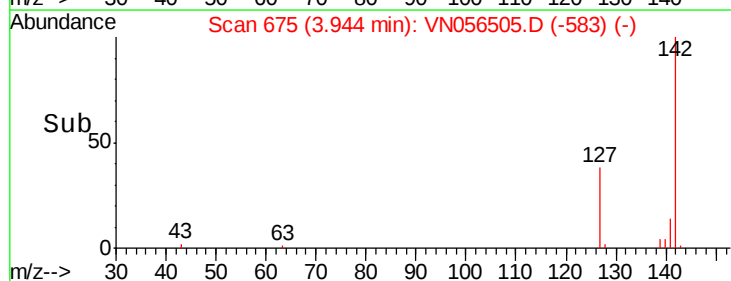
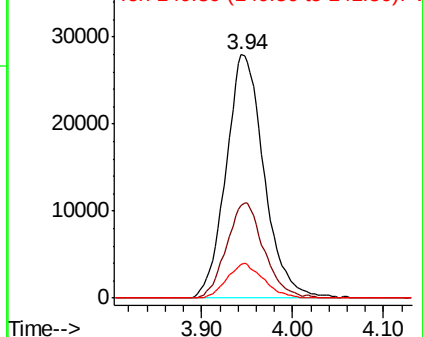
141 13.6 11.4 17.2

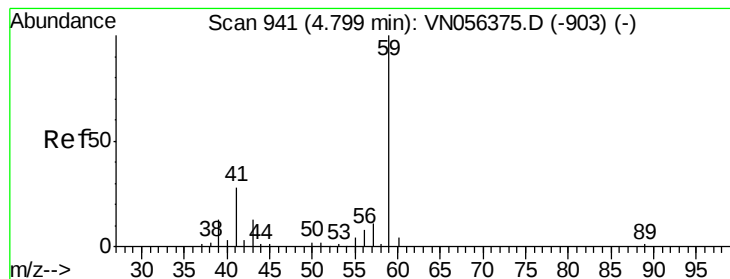


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



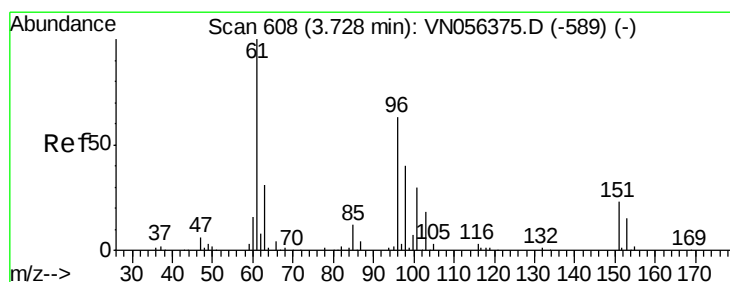
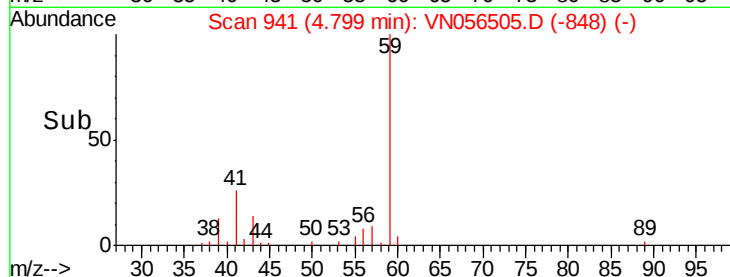
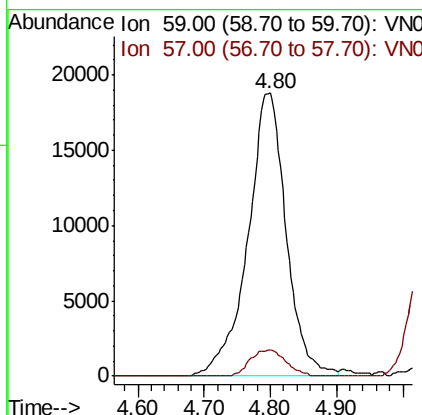
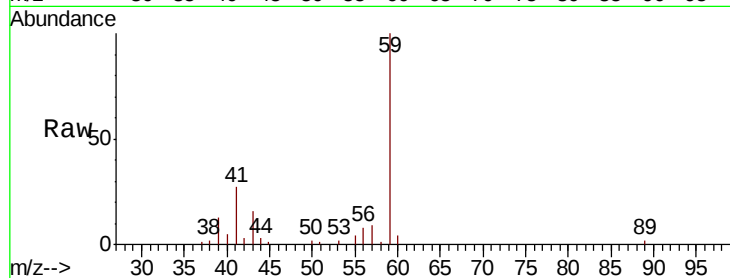


#11

Tert butyl alcohol
 Concen: 114.186 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :

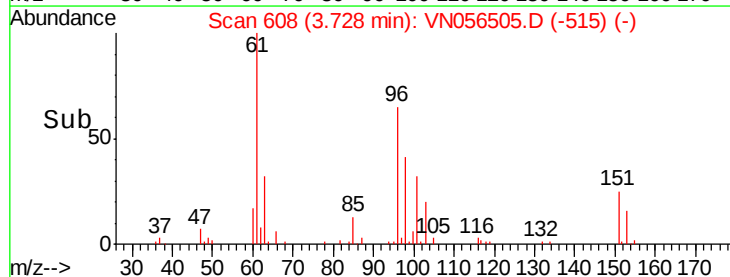
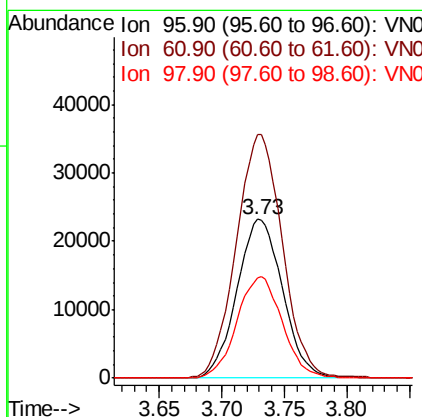
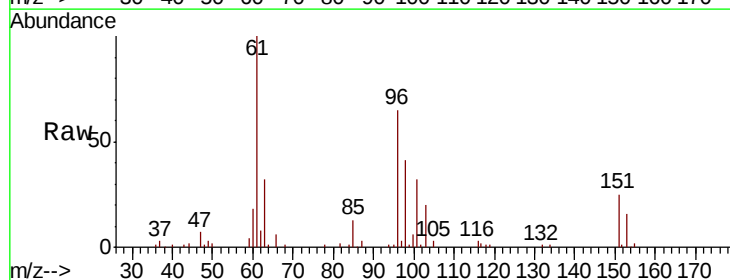
Tot Ion: 59 Resp: 75821
 Ion Ratio Lower Upper
 59 100
 57 3.6 7.6 11.4#

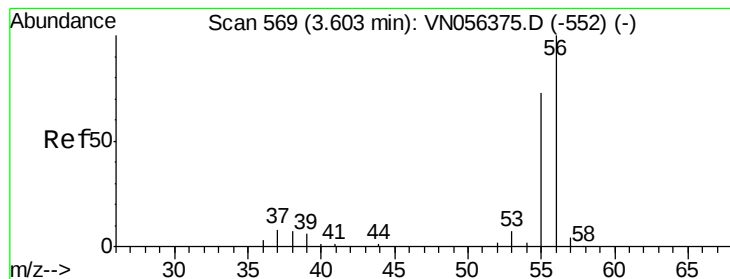


#12

1,1-Dichloroethene
 Concen: 18.683 ug/l
 RT: 3.73 min Scan# 608
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion: 96 Resp: 58710
 Ion Ratio Lower Upper
 96 100
 61 153.4 126.6 190.0
 98 62.8 51.1 76.7





#13

Acrolein

Concen: 61.309 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

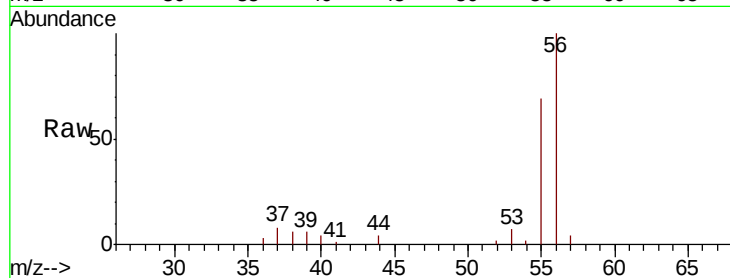
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 34311

Ion Ratio Lower Upper

56 100

55 68.3 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

15000

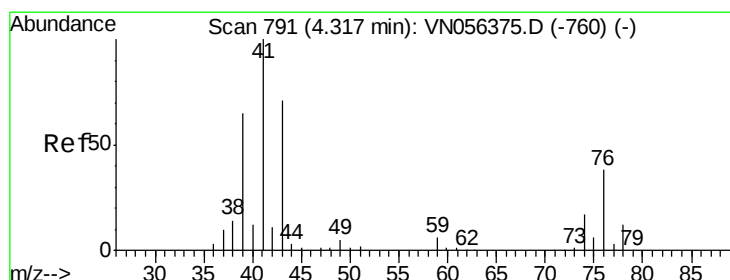
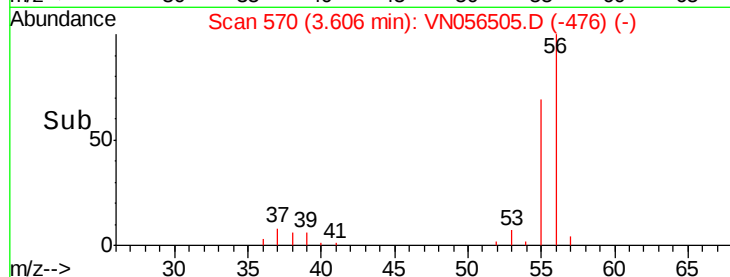
10000

5000

0

Time--> 3.50 3.60 3.70

3.61



#14

Allyl chloride

Concen: 19.308 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

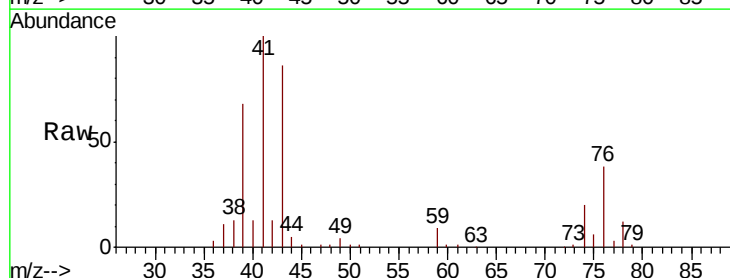
Tgt Ion: 41 Resp: 100998

Ion Ratio Lower Upper

41 100

39 61.6 48.6 73.0

76 32.6 26.6 40.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

40000

30000

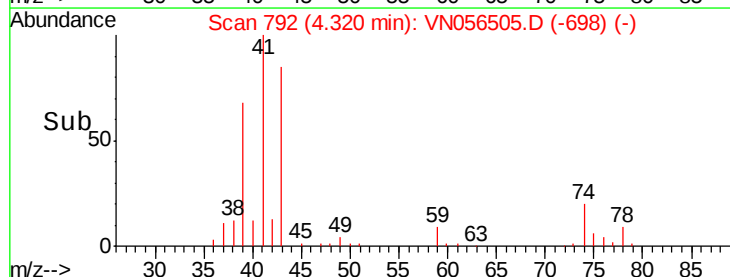
20000

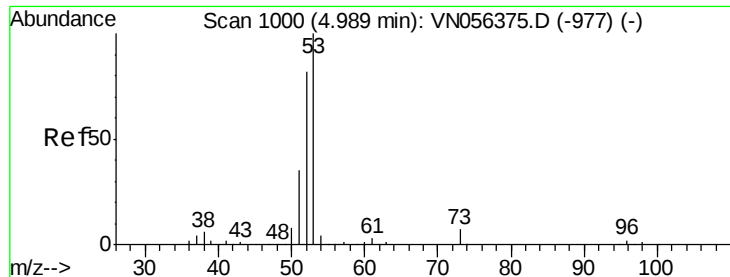
10000

0

Time--> 4.10 4.20 4.30 4.40 4.50

4.32





#15

Acrylonitrile

Concen: 103.319 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

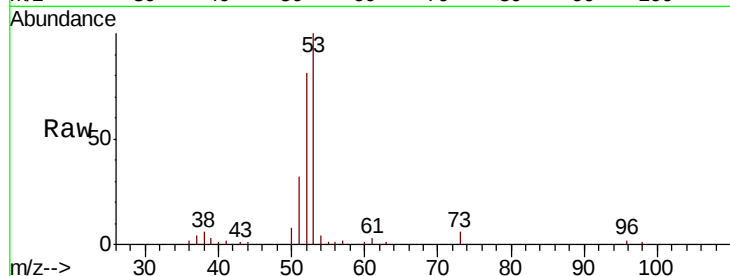
Tot Ion: 53 Resp: 189796

Ion Ratio Lower Upper

53 100

52 80.9 65.9 98.9

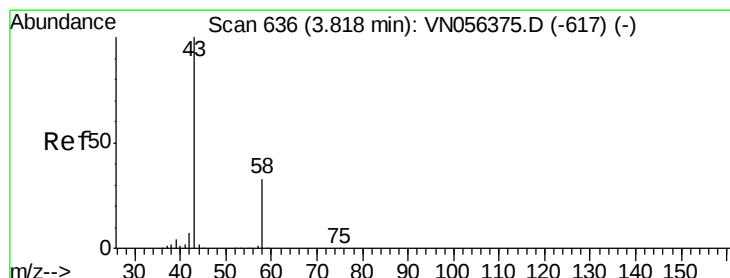
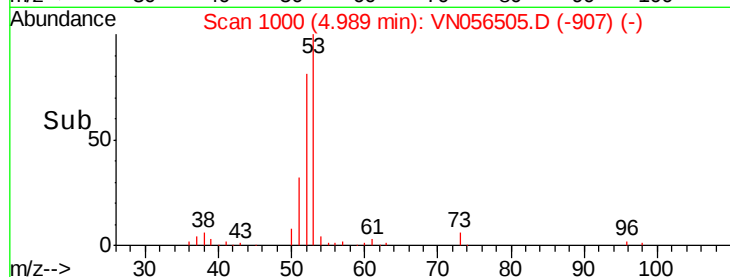
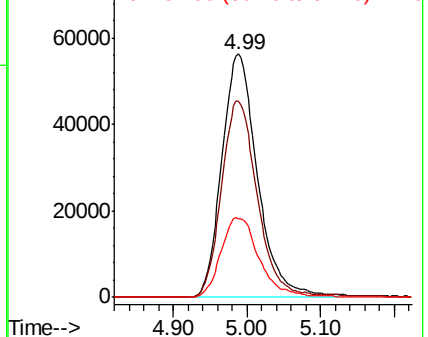
51 34.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 82.695 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN056505.D

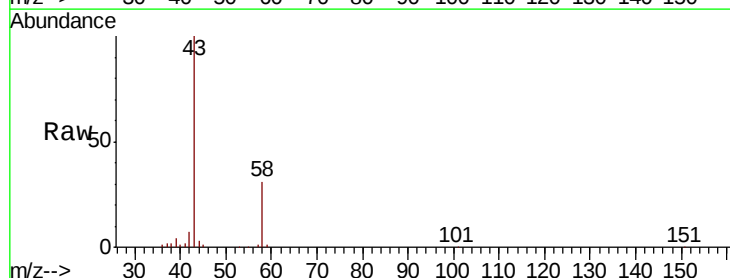
Acq: 26 Jun 2019 14:47

Tgt Ion: 43 Resp: 163343

Ion Ratio Lower Upper

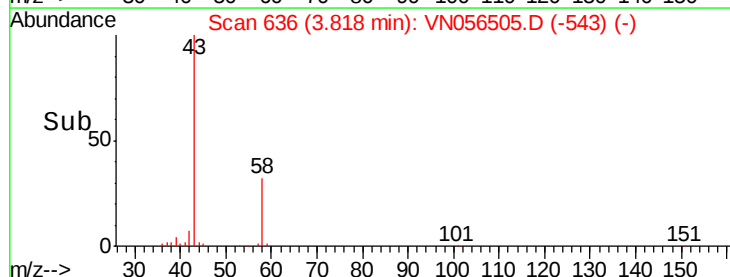
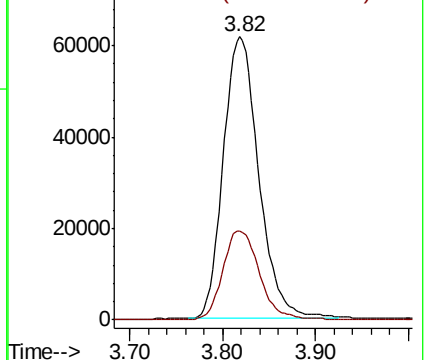
43 100

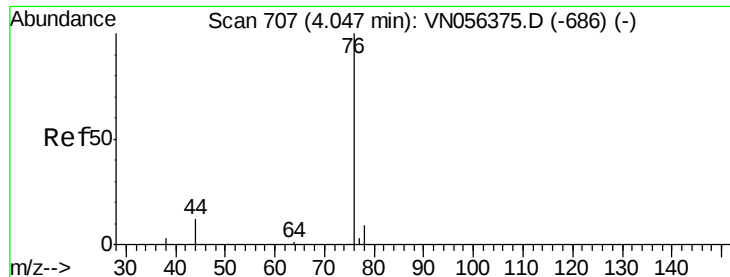
58 31.6 26.4 39.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

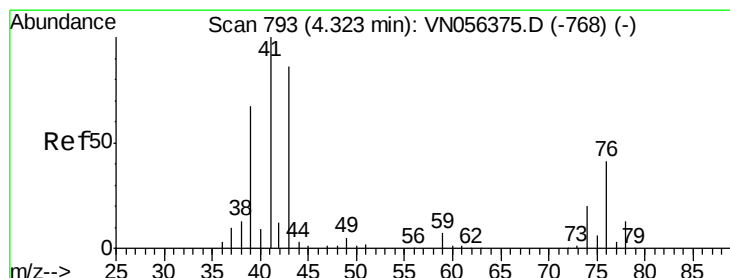
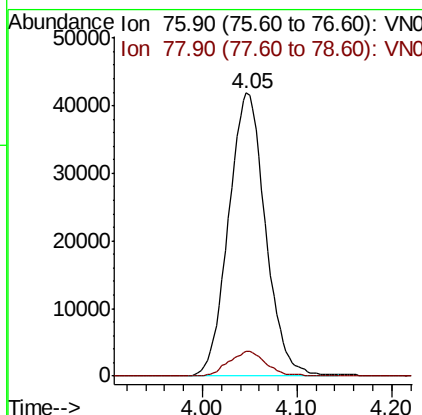
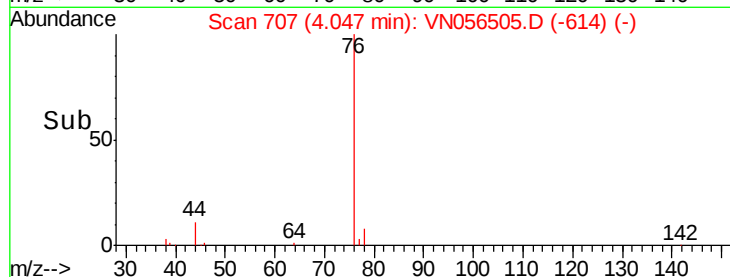
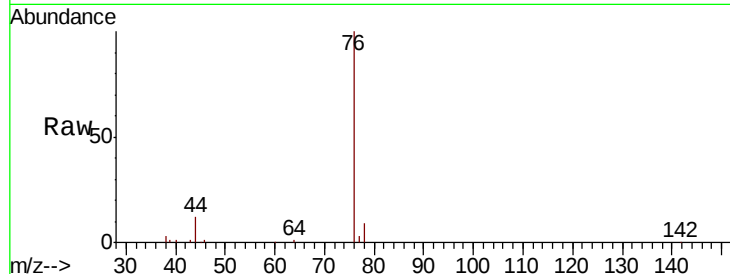




#17
Carbon Disulfide
Concen: 15.872 ug/l
RT: 4.05 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

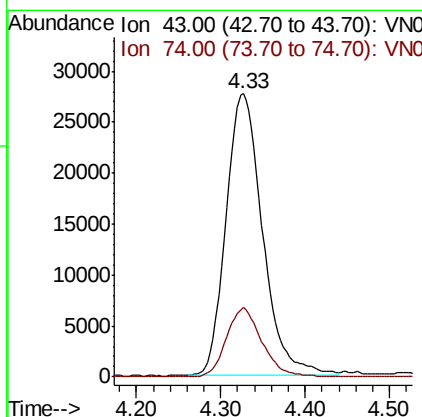
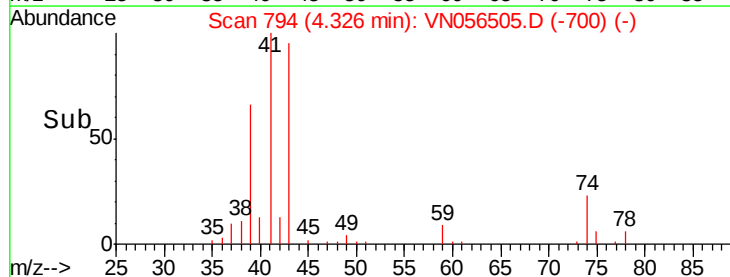
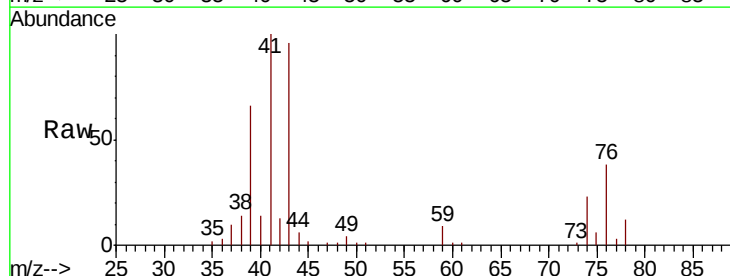
Instrument :
MSVOA_N
ClientSampleId :

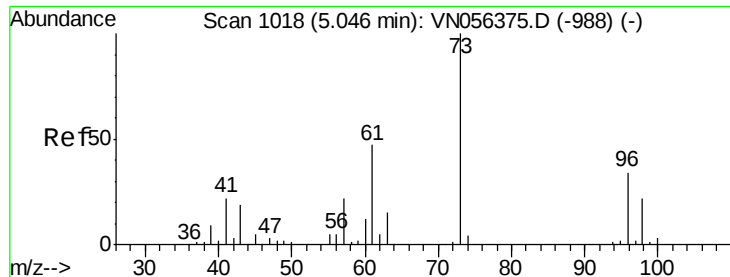
Tot Ion: 76 Resp: 113439
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 21.015 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 43 Resp: 83245
Ion Ratio Lower Upper
43 100
74 23.7 19.2 28.8

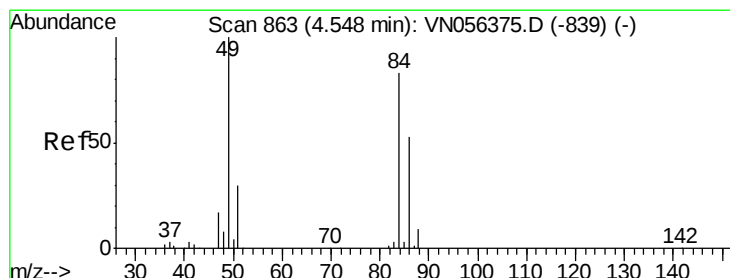
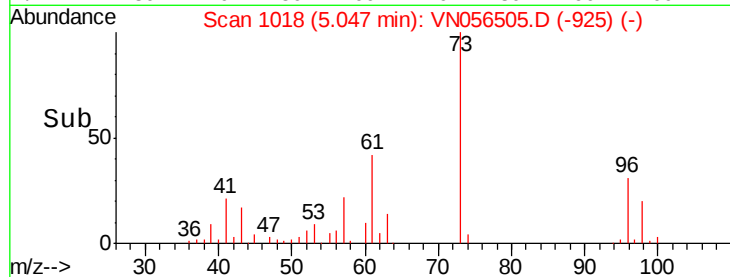
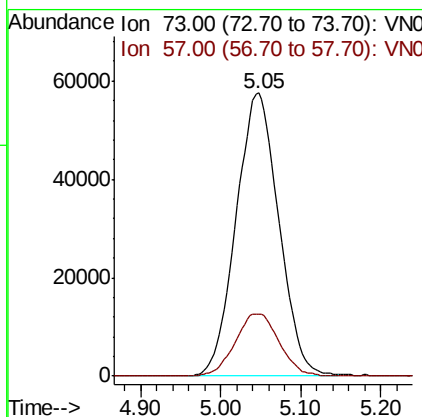
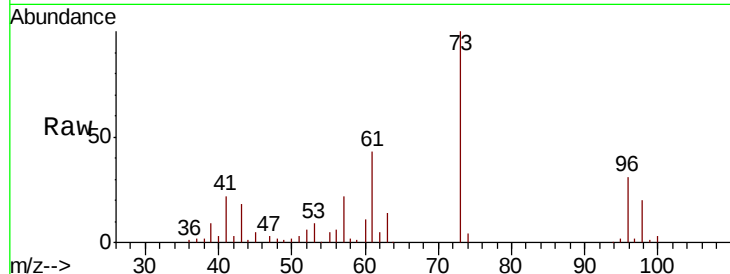




#19
Methyl tert-butyl Ether
Concen: 20.105 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

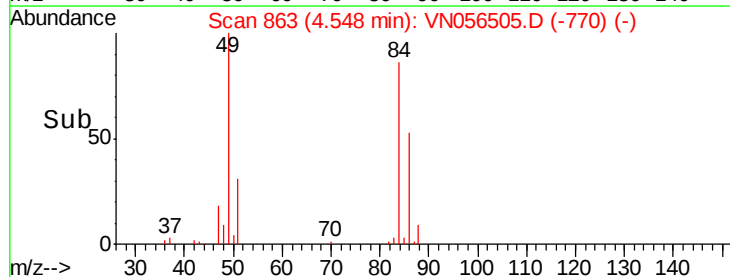
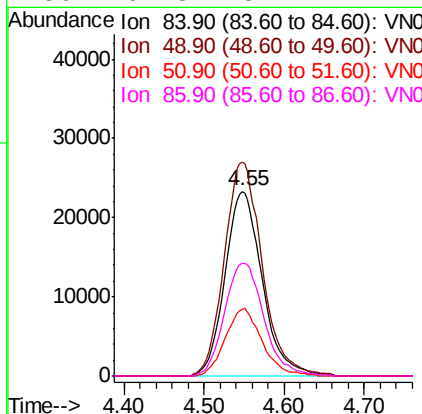
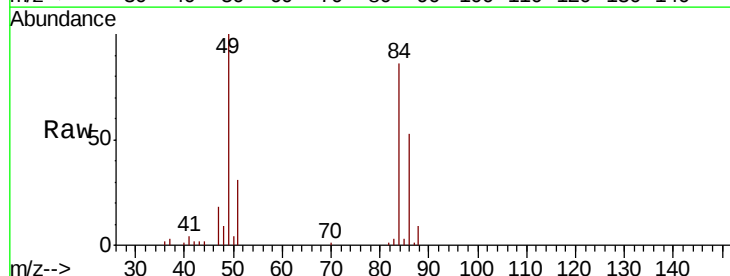
Instrument :
MSVOA_N
ClientSampled :

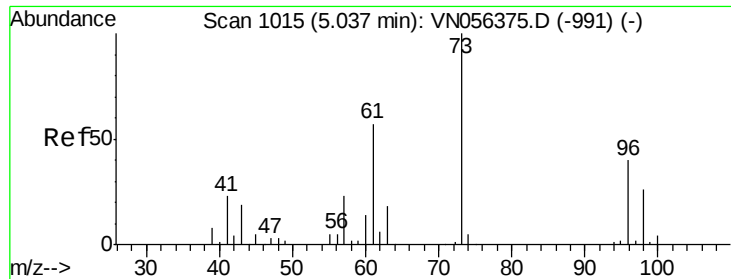
Tot Ion: 73 Resp: 209048
Ion Ratio Lower Upper
73 100
57 22.1 17.9 26.9



#20
Methylene Chloride
Concen: 19.356 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 84 Resp: 74106
Ion Ratio Lower Upper
84 100
49 115.7 96.4 144.6
51 36.2 28.6 43.0
86 61.3 51.4 77.2

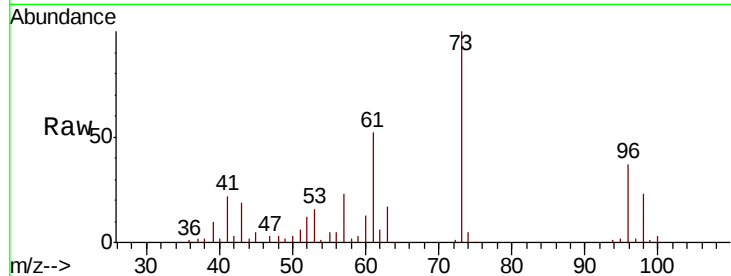




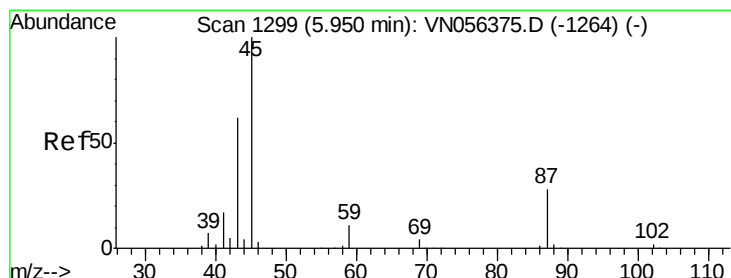
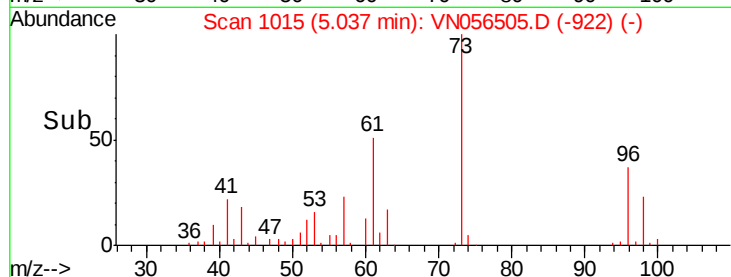
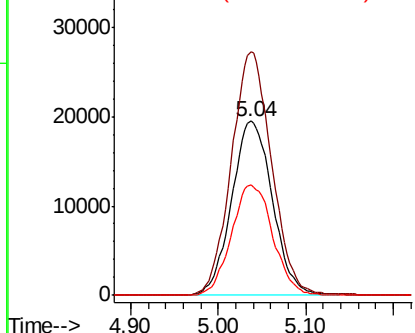
#21
trans-1,2-Dichloroethene
Concen: 18.619 ug/l
RT: 5.04 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 63081
Ion Ratio Lower Upper
96 100
61 139.6 113.0 169.6
98 63.3 52.2 78.2

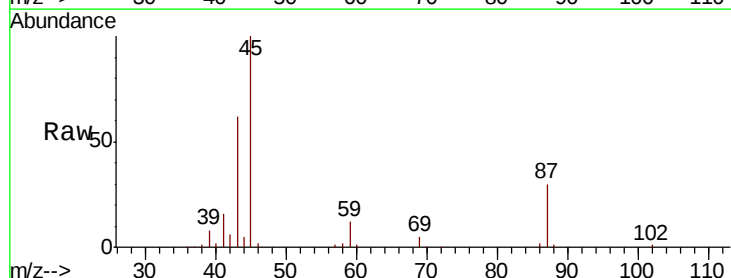


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

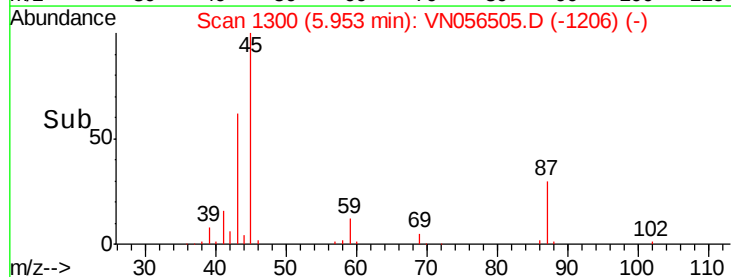
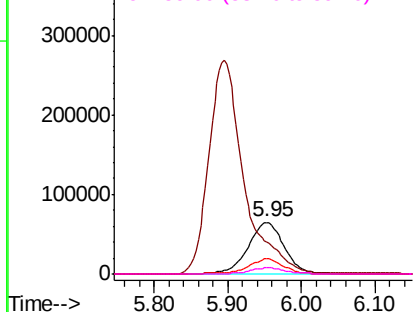


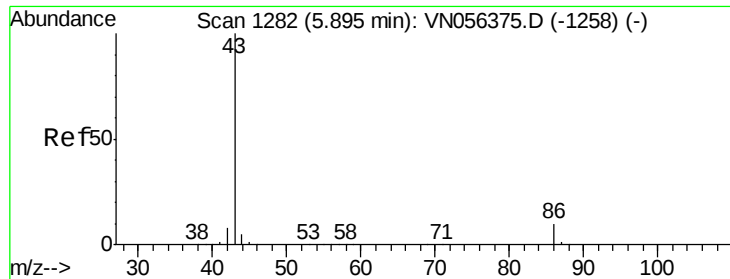
#22
Diisopropyl ether
Concen: 20.208 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 45 Resp: 221998
Ion Ratio Lower Upper
45 100
43 59.4 50.4 75.6
87 29.3 23.0 34.4
59 11.5 9.1 13.7



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: 103.085 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

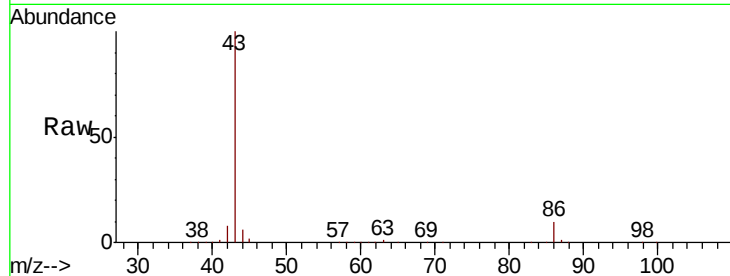
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 893204

Ion Ratio Lower Upper

43 100

86 10.4 8.3 12.5



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1258) (-)

Ion 86.00 (85.70 to 86.70): VN056375.D (-1258) (-)

5.90

300000

250000

200000

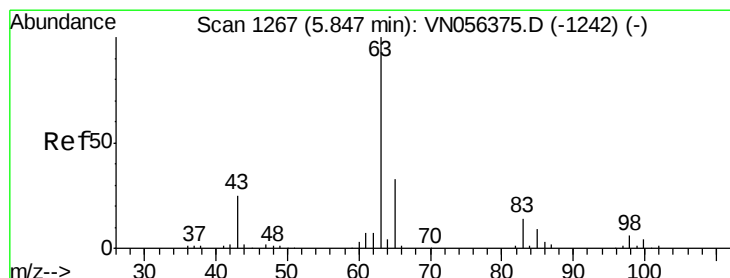
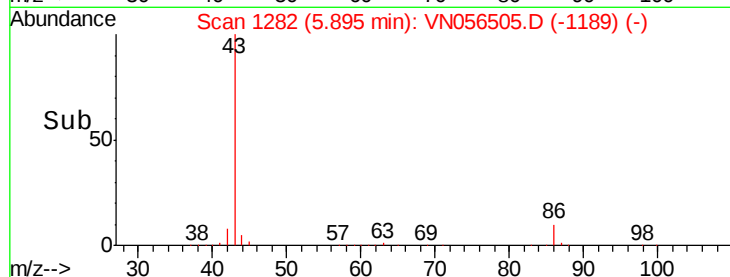
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.003 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

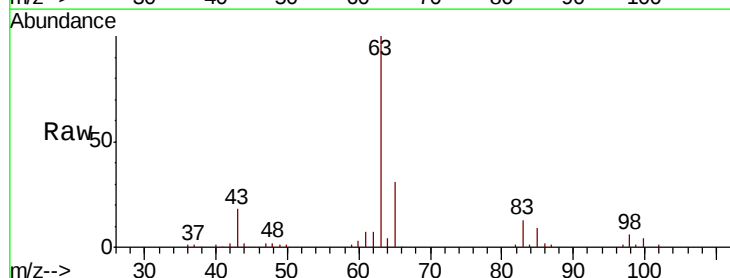
Tgt Ion: 63 Resp: 126138

Ion Ratio Lower Upper

63 100

98 6.5 3.2 9.6

100 4.1 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VN056375.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN056375.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN056375.D (-1242) (-)

5.85

50000

40000

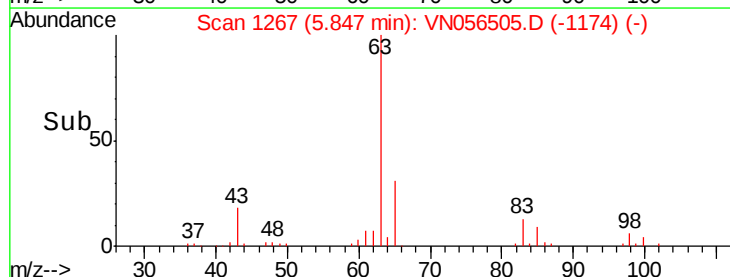
30000

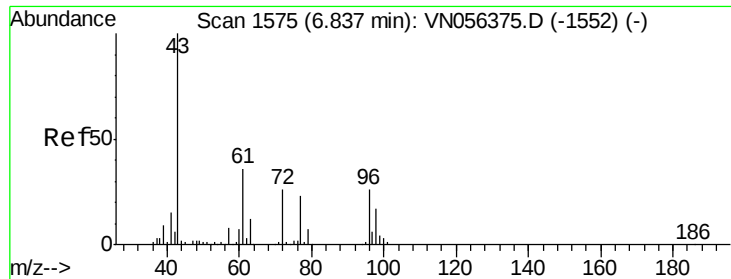
20000

10000

0

Time--> 5.70 5.80 5.90 6.00

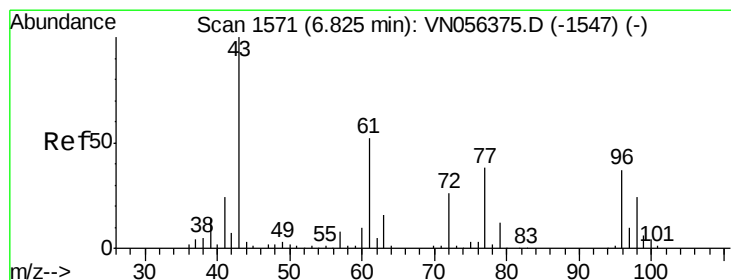
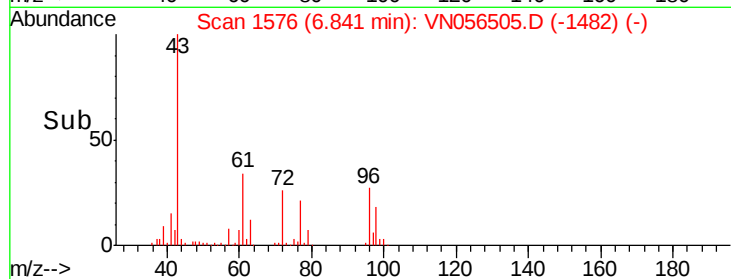
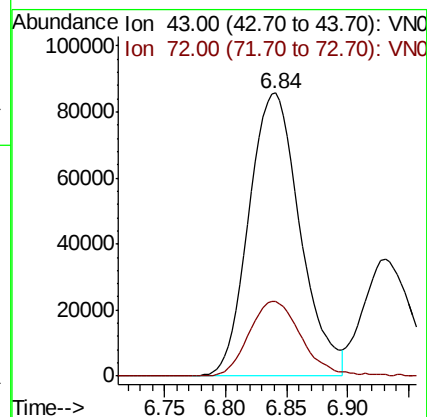
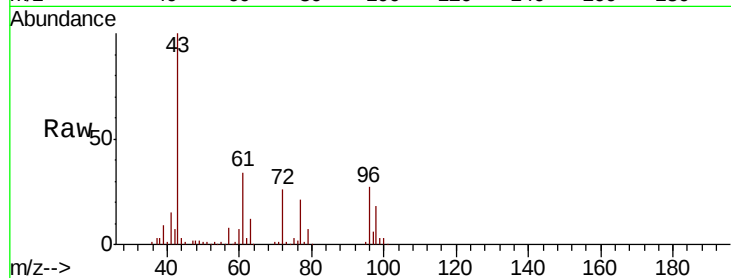




#25
2-Butanone
Concen: 95.018 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

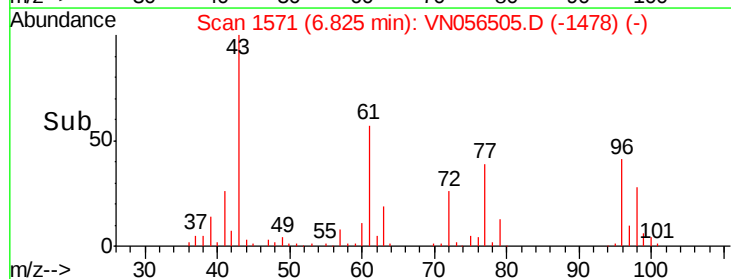
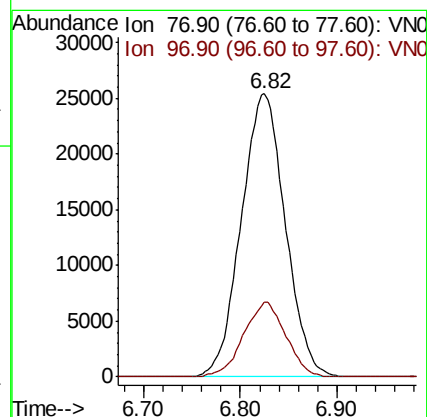
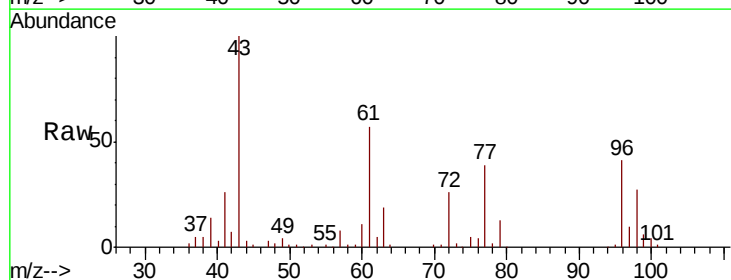
Instrument :
MSVOA_N
ClientSampled :

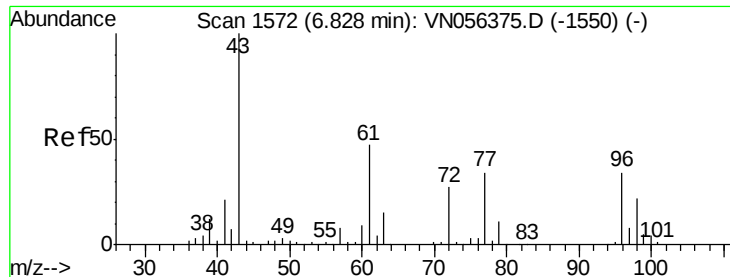
Tot Ion: 43 Resp: 248400
Ion Ratio Lower Upper
43 100
72 26.3 20.6 31.0



#26
2,2-Dichloropropane
Concen: 18.307 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 77 Resp: 80292
Ion Ratio Lower Upper
77 100
97 25.3 11.9 35.5





#27

cis-1,2-Dichloroethene

Concen: 19.863 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

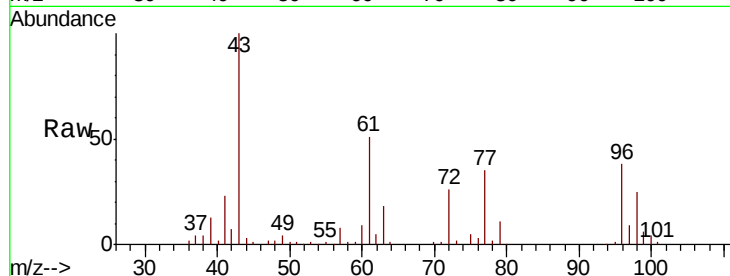
Tot Ion: 96 Resp: 78733

Ion Ratio Lower Upper

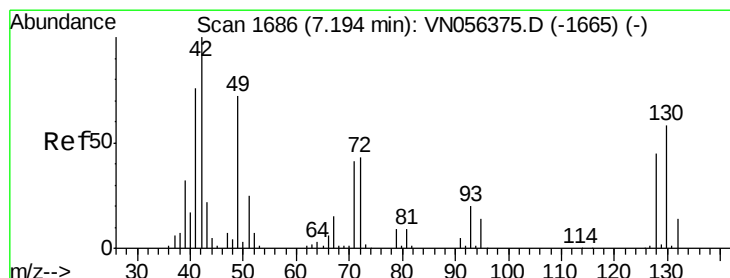
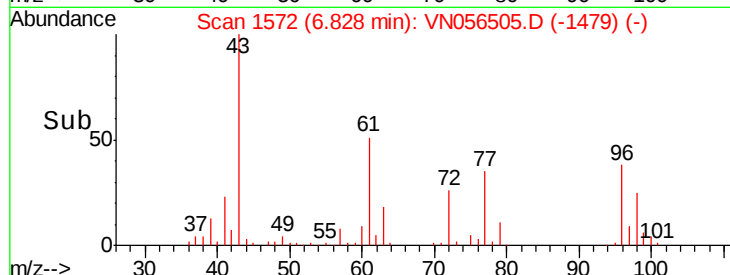
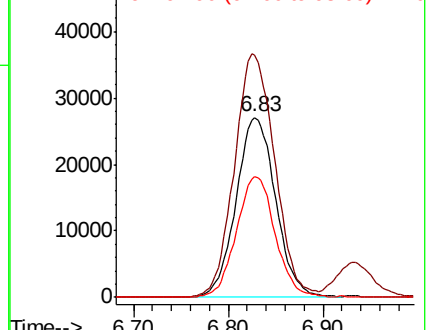
96 100

61 137.9 0.0 279.8

98 65.6 0.0 130.0



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



#28

Bromochloromethane

Concen: 18.397 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

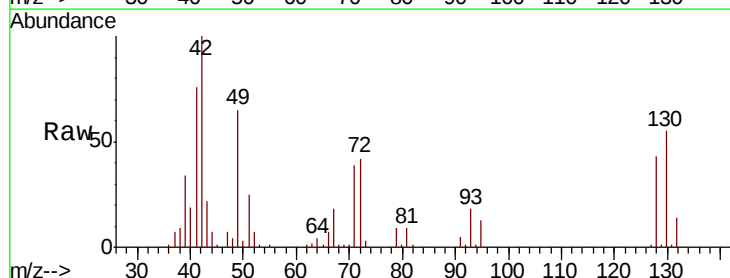
Tgt Ion: 49 Resp: 57384

Ion Ratio Lower Upper

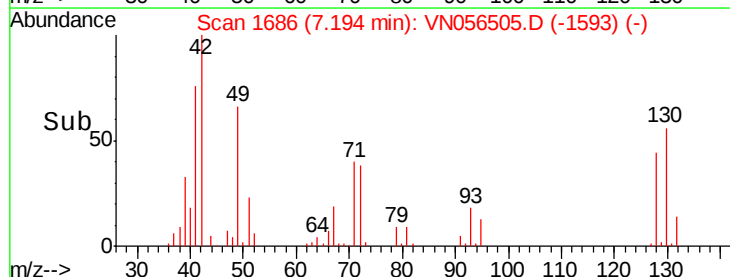
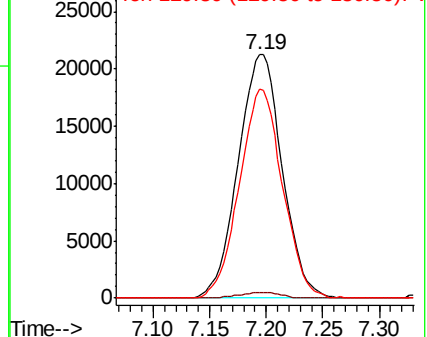
49 100

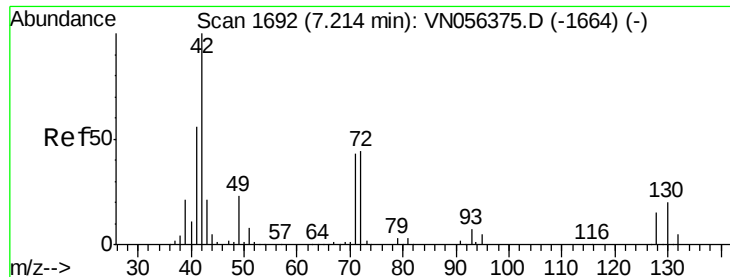
129 2.2 0.0 4.2

130 83.9 64.9 97.3



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

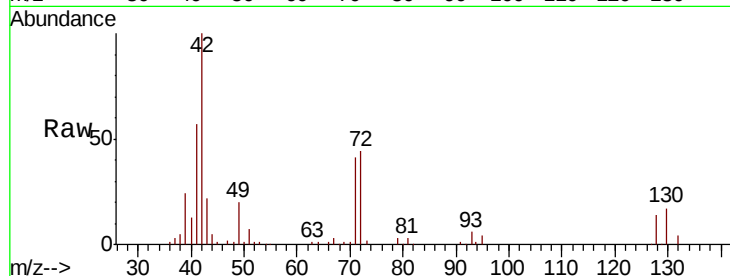




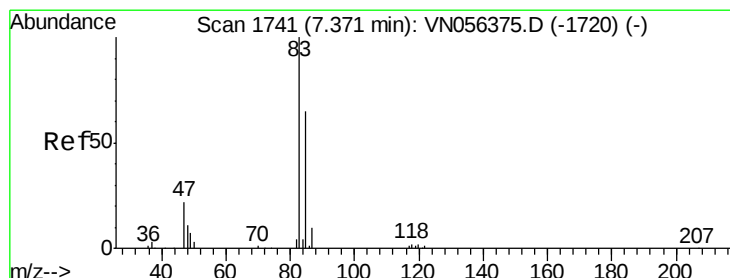
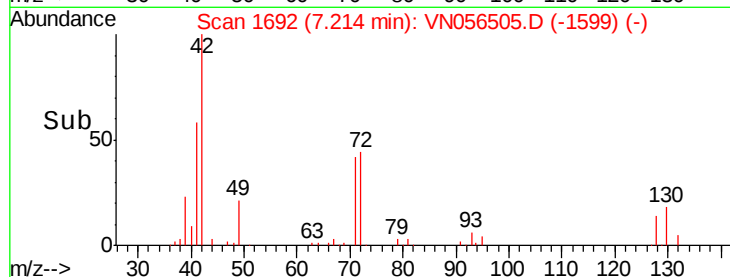
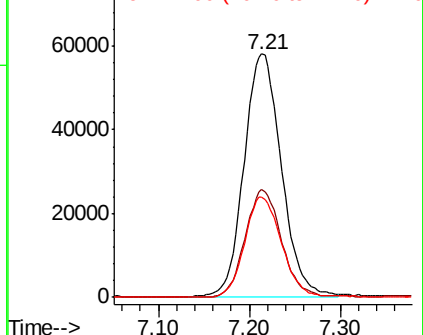
#29
Tetrahydrofuran
Concen: 103.206 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 164879
Ion Ratio Lower Upper
42 100
72 43.5 34.7 52.1
71 41.1 33.0 49.6

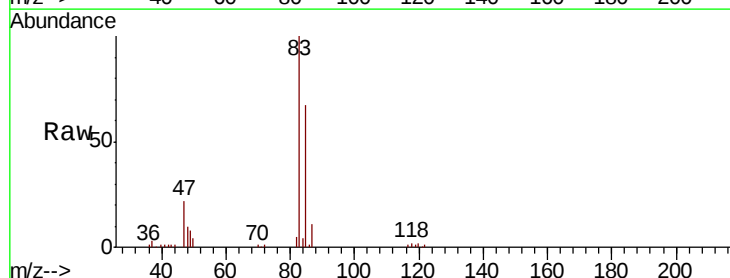


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

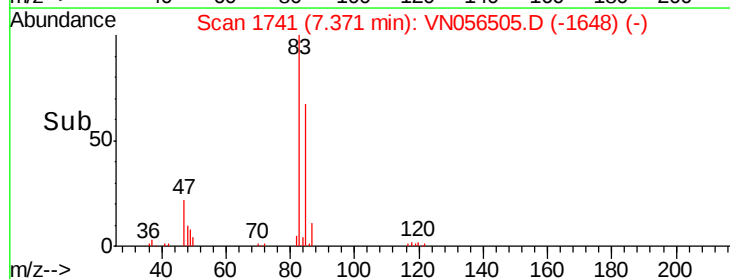
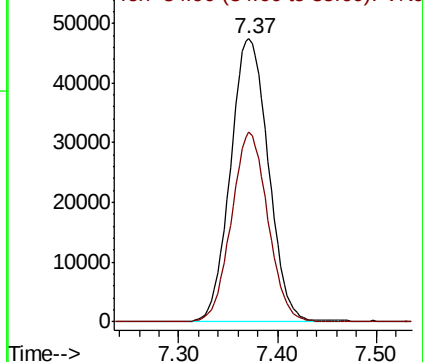


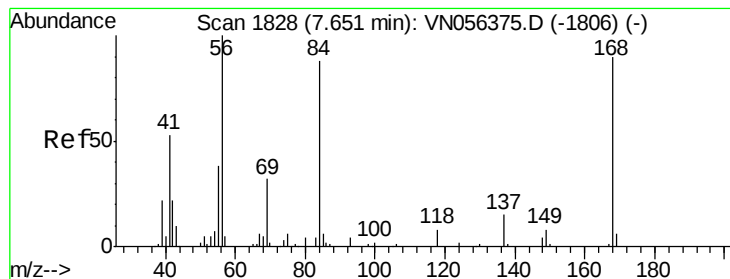
#30
Chloroform
Concen: 20.360 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 83 Resp: 126691
Ion Ratio Lower Upper
83 100
85 67.0 52.3 78.5



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





#31

Cyclohexane

Concen: 18.193 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

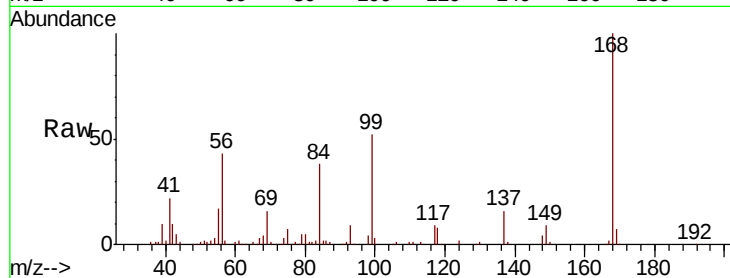
Tot Ion: 56 Resp: 110756

Ion Ratio Lower Upper

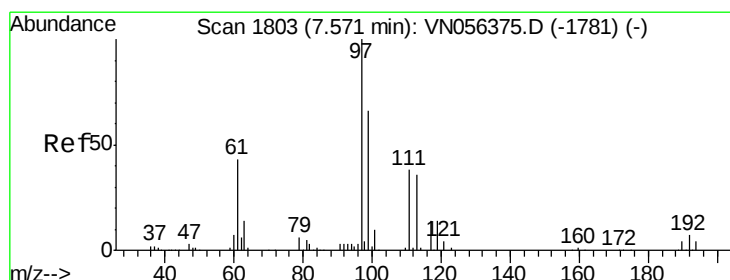
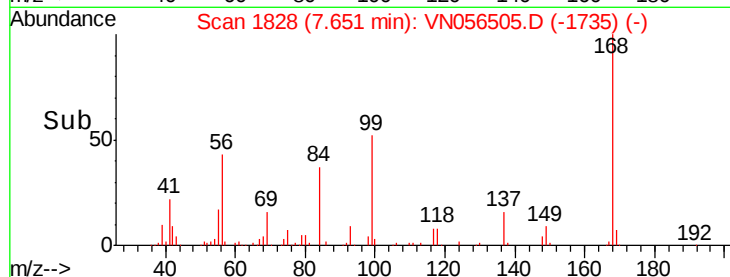
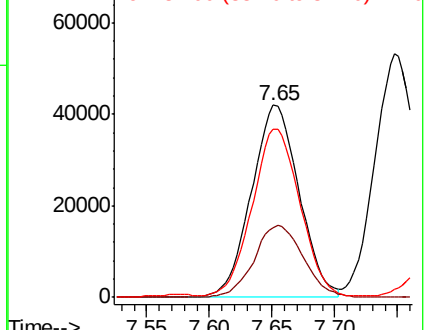
56 100

69 36.4 25.8 38.6

84 86.4 69.4 104.0



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: 20.126 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

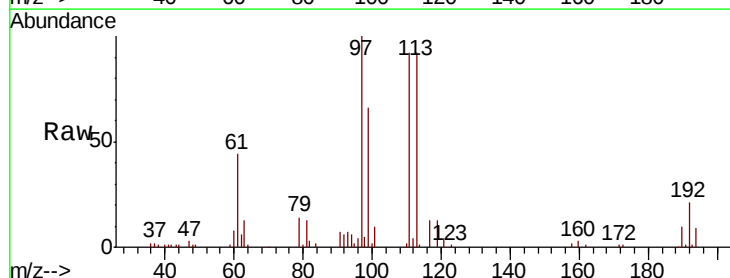
Tgt Ion: 97 Resp: 99267

Ion Ratio Lower Upper

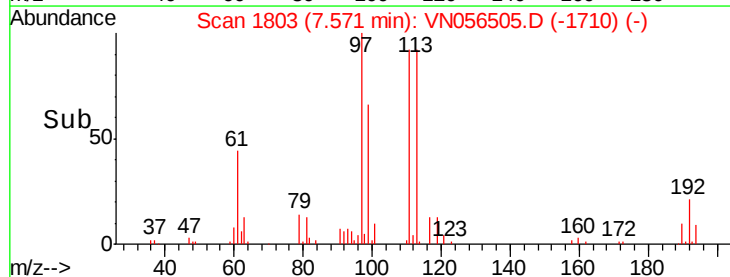
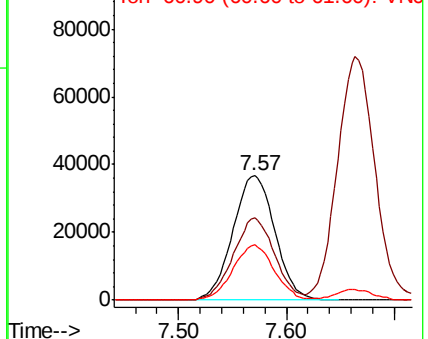
97 100

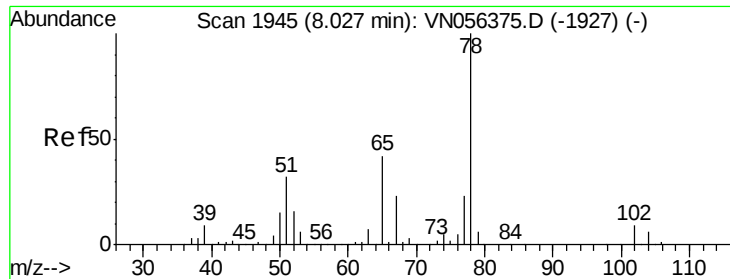
99 64.9 51.8 77.6

61 43.5 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

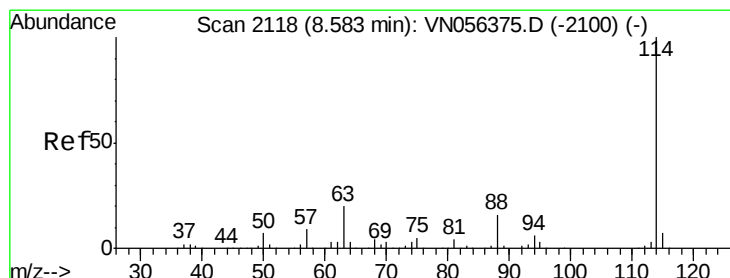
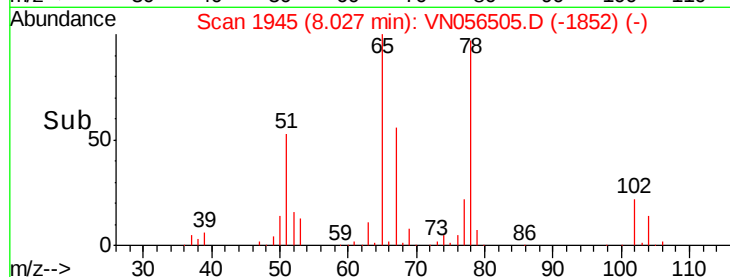
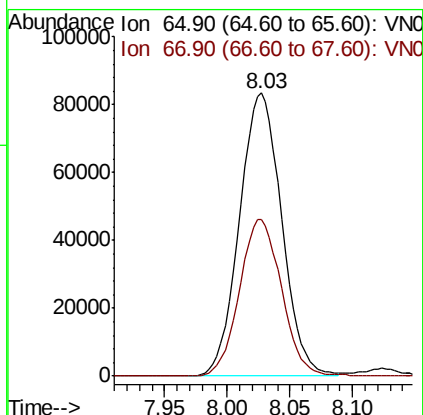
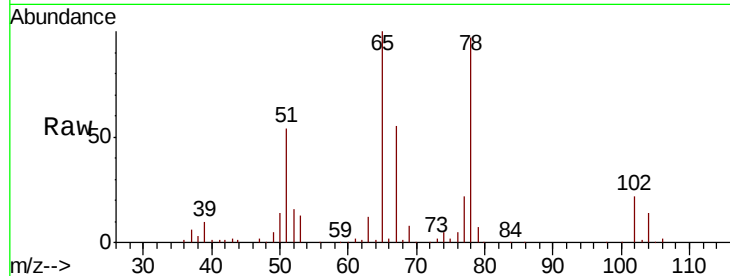




#33
 1,2-Dichloroethane-d4
 Concen: 49.572 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

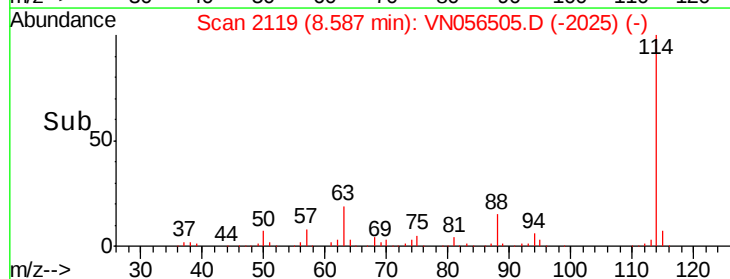
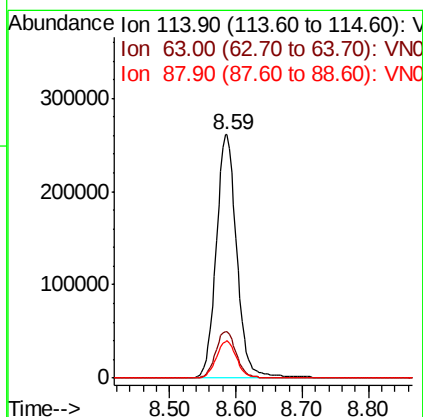
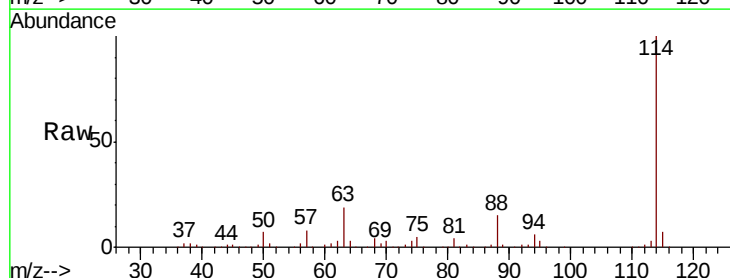
Instrument :
 MSVOA_N
 ClientSampled :

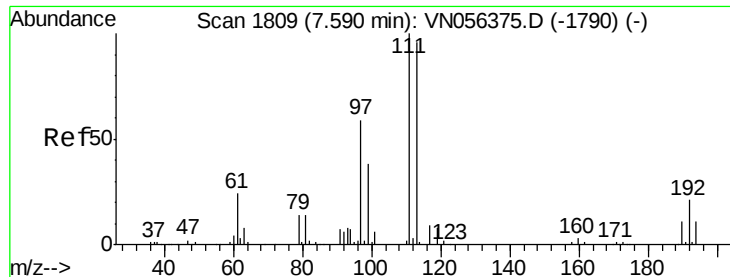
Tot Ion: 65 Resp: 195435
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 109.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion: 114 Resp: 560804
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 39.2
 88 15.3 0.0 31.4

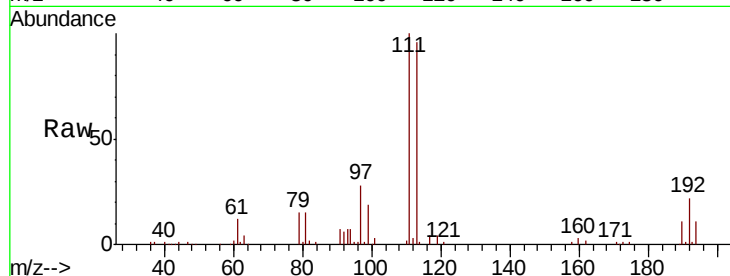




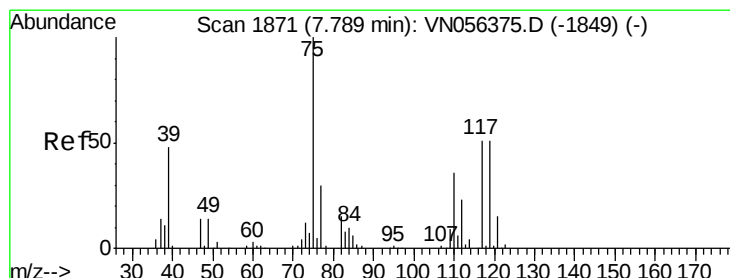
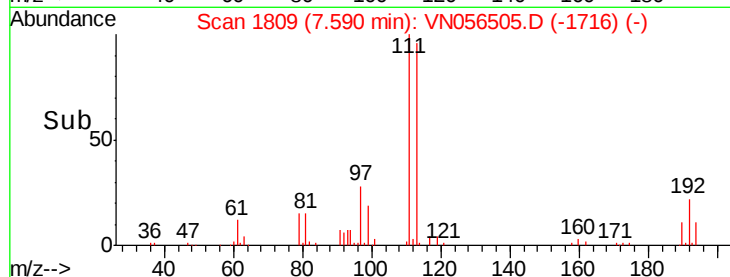
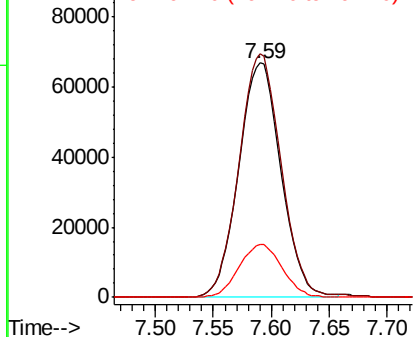
#35
 Dibromofluoromethane
 Concen: 48.506 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.9	124.3
192	23.0	17.7	26.5

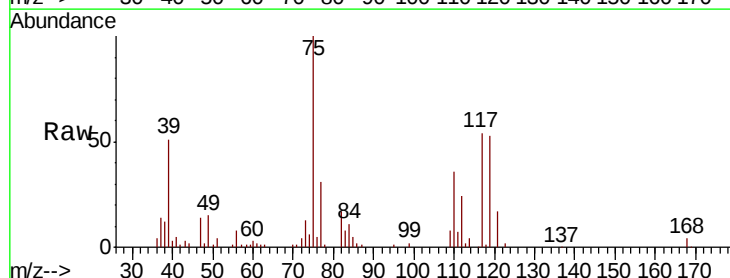


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

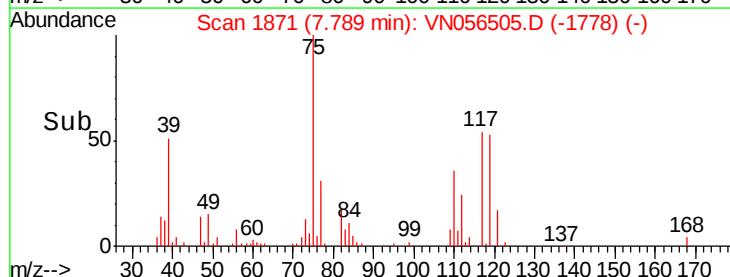
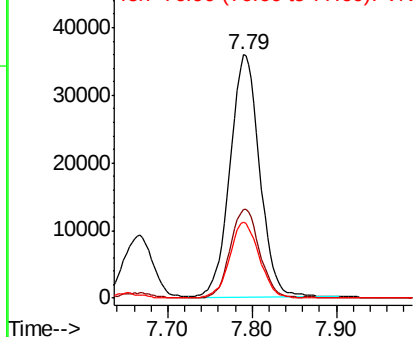


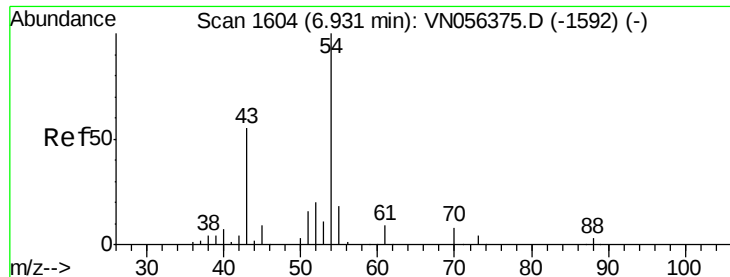
#36
 1,1-Dichloropropene
 Concen: 17.827 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.3	18.1	54.3
77	31.0	24.6	36.8



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

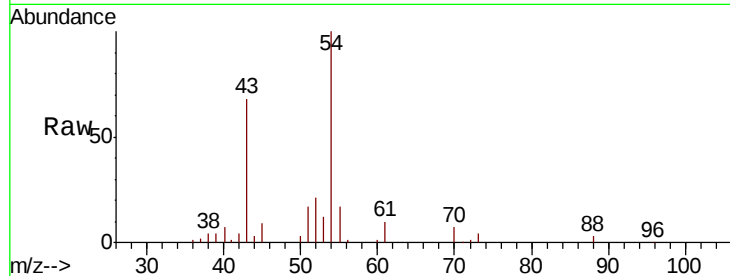




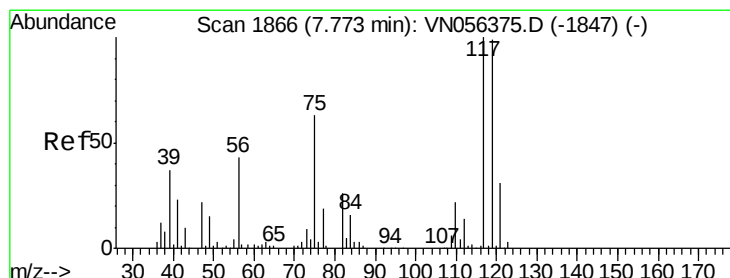
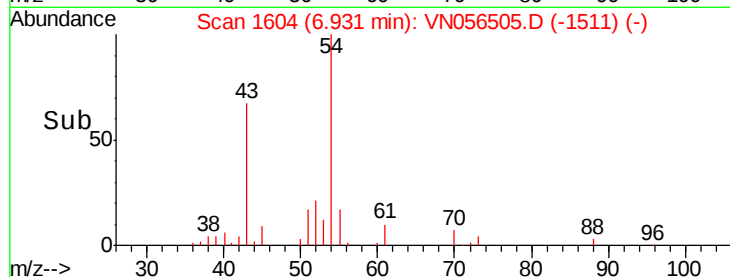
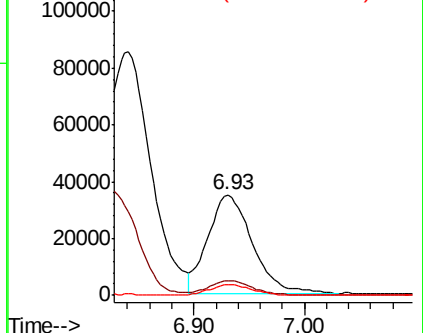
#37
Ethyl Acetate
Concen: 20.227 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 98117
Ion Ratio Lower Upper
43 100
61 14.8 11.1 16.7
70 10.2 8.3 12.5

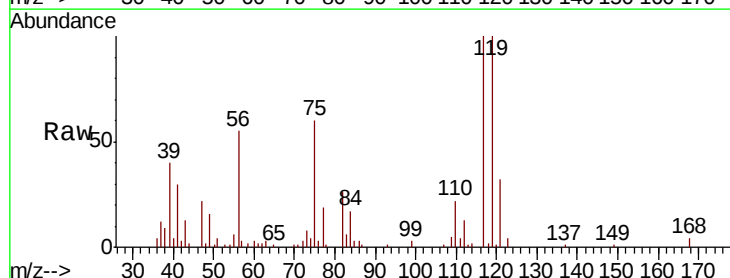


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

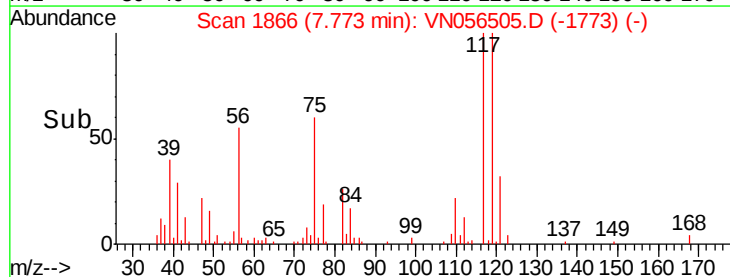
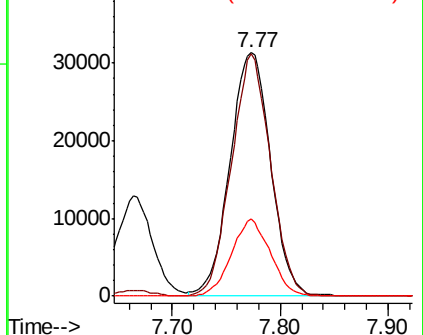


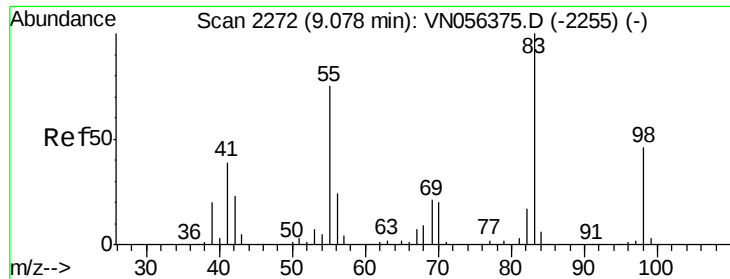
#38
Carbon Tetrachloride
Concen: 19.026 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 117 Resp: 82125
Ion Ratio Lower Upper
117 100
119 99.7 79.1 118.7
121 31.9 24.8 37.2



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

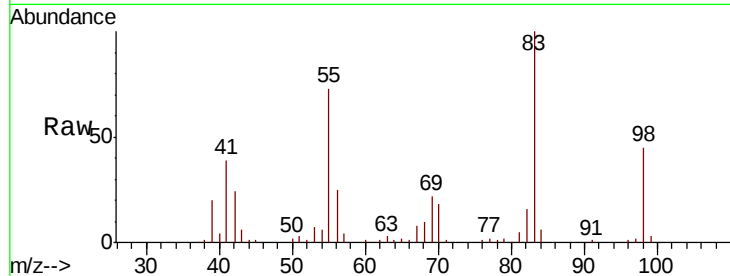




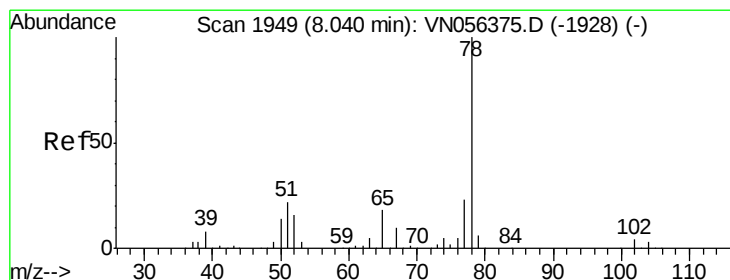
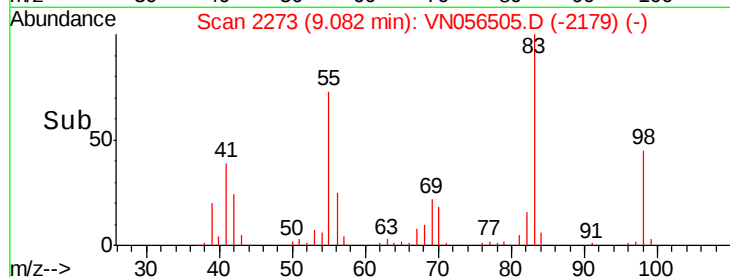
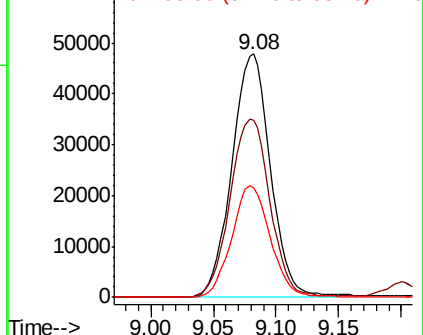
#39
Methvlcvclohexane
Concen: 16.815 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 102414
Ion Ratio Lower Upper
83 100
55 72.9 60.0 90.0
98 44.7 36.6 54.8

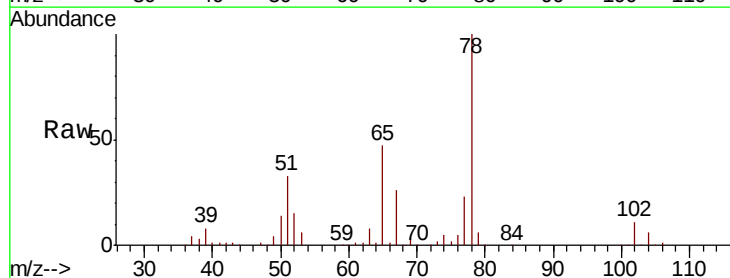


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

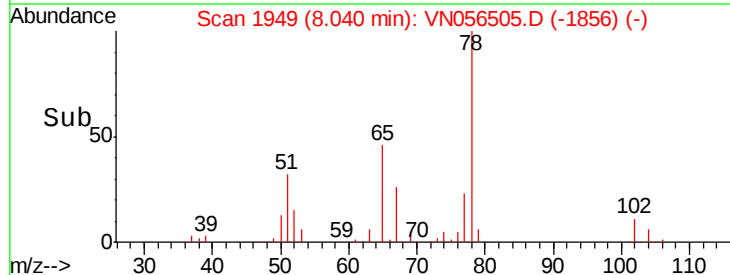
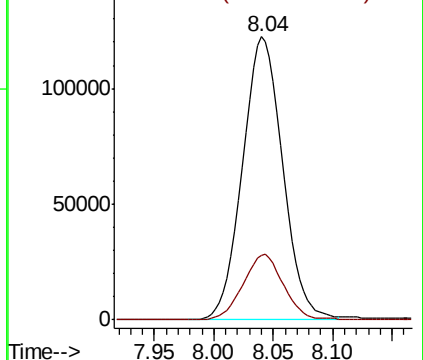


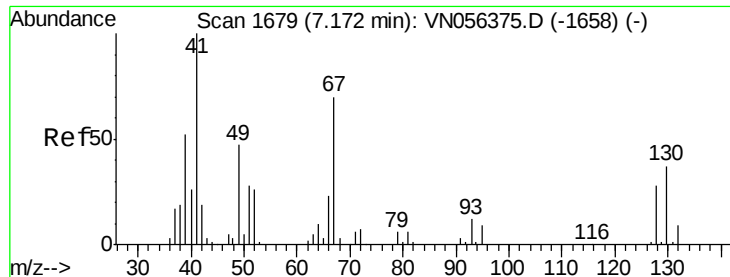
#40
Benzene
Concen: 18.888 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 78 Resp: 286789
Ion Ratio Lower Upper
78 100
77 23.0 18.3 27.5



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

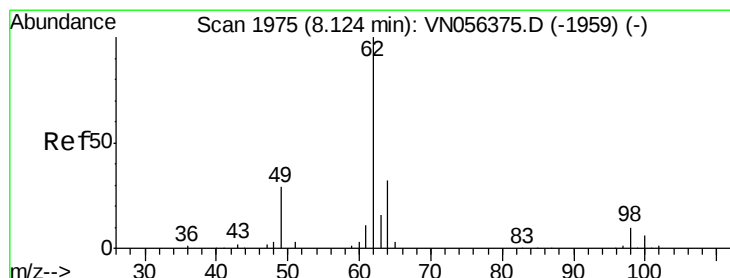
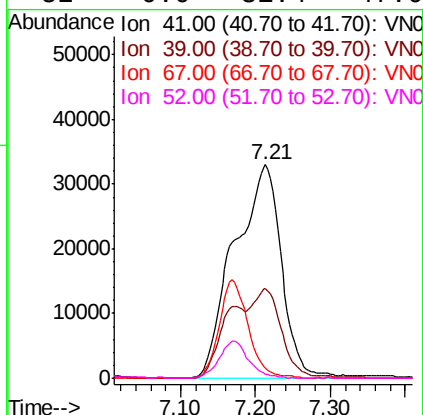
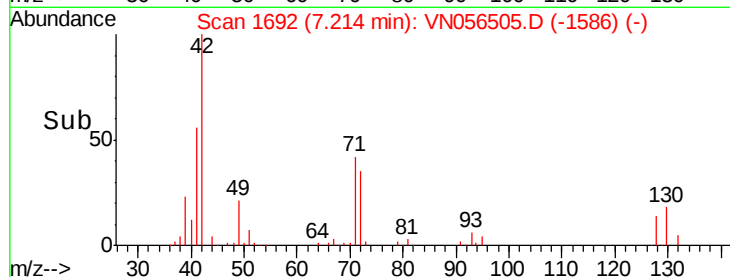
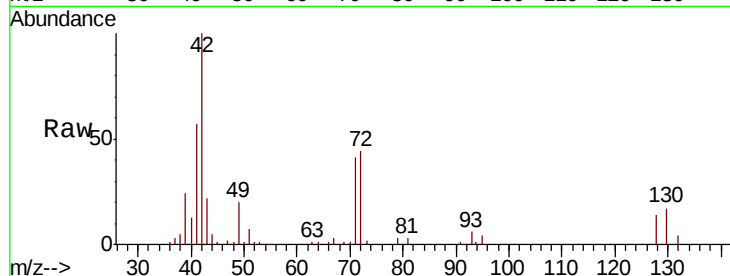




#41
Methacrylonitrile
Concen: 67.411 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

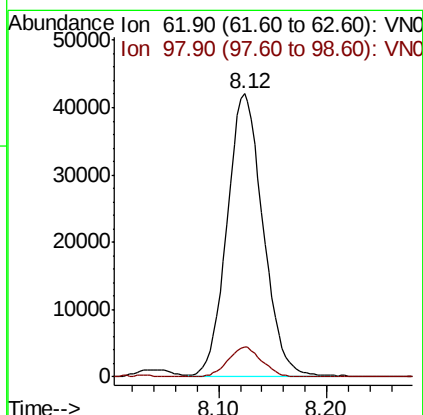
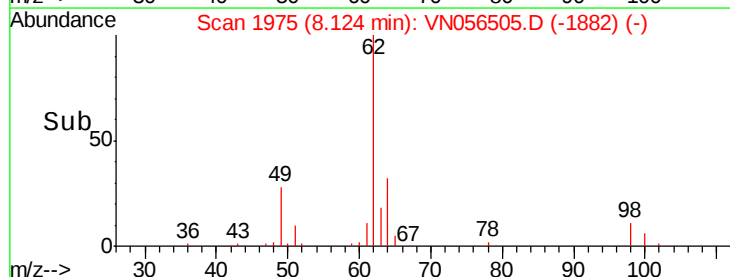
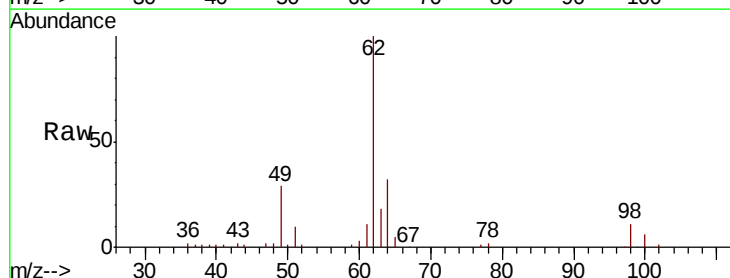
Instrument :
MSVOA_N
ClientSampleId :

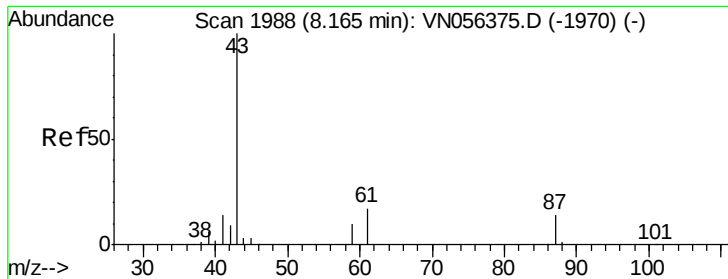
Tot Ion: 41 Resp: 144398
Ion Ratio Lower Upper
41 100
39 0.0 55.3 82.9#
67 0.0 79.2 118.8#
52 0.0 31.4 47.0#



#42
1,2-Dichloroethane
Concen: 19.409 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 62 Resp: 97255
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.4





#43

Isopropyl Acetate

Concen: 19.808 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

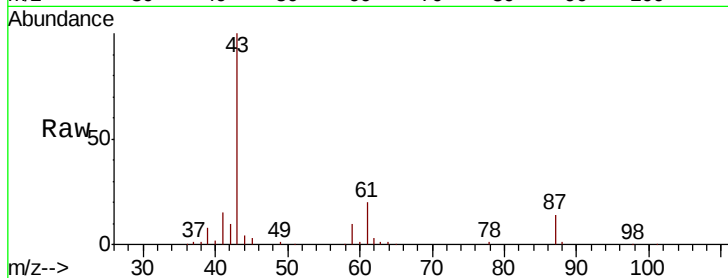
Tot Ion: 43 Resp: 148162

Ion Ratio Lower Upper

43 100

61 27.3 22.0 33.0

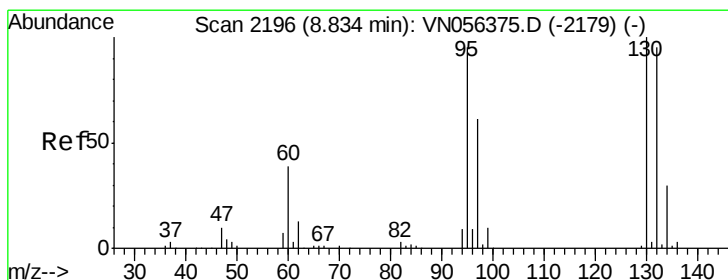
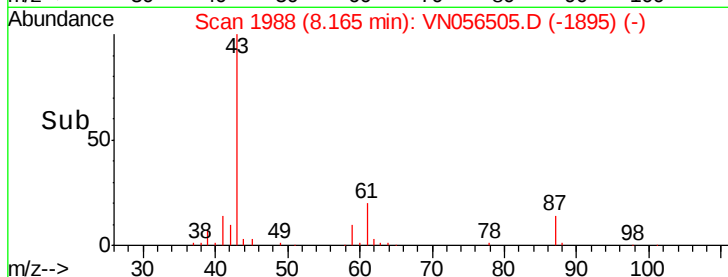
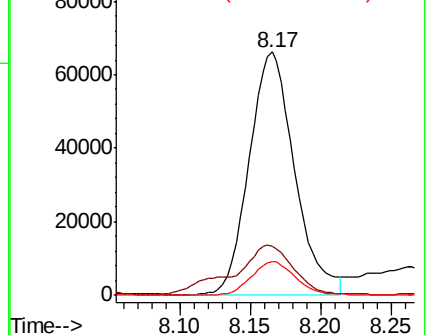
87 13.6 11.0 16.4



Abundance Ion 43.00 (42.70 to 43.70): VN056375.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN056375.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN056375.D (-1970) (-)



#44

Trichloroethene

Concen: 18.528 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN056505.D

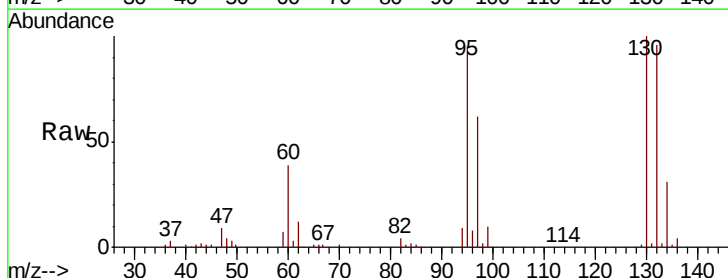
Acq: 26 Jun 2019 14:47

Tgt Ion:130 Resp: 75781

Ion Ratio Lower Upper

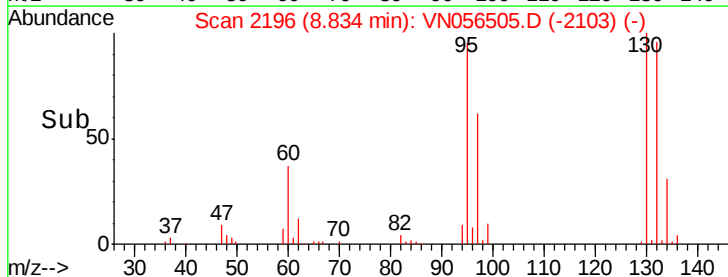
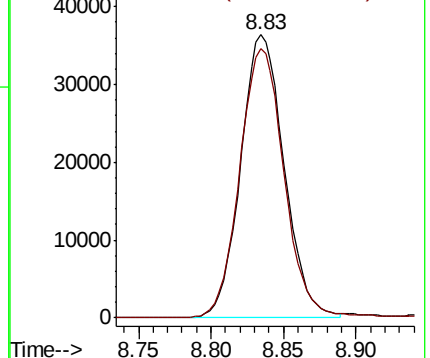
130 100

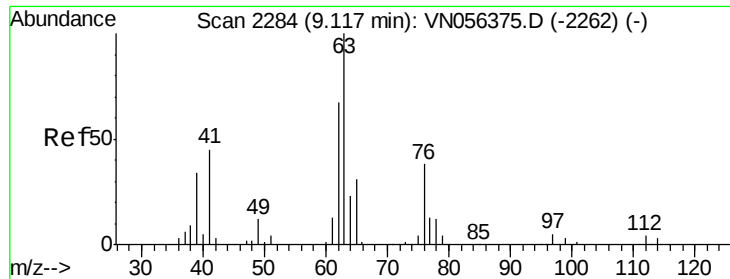
95 95.0 0.0 191.0



Abundance Ion 129.80 (129.50 to 130.50): VN056375.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN056375.D (-2179) (-)

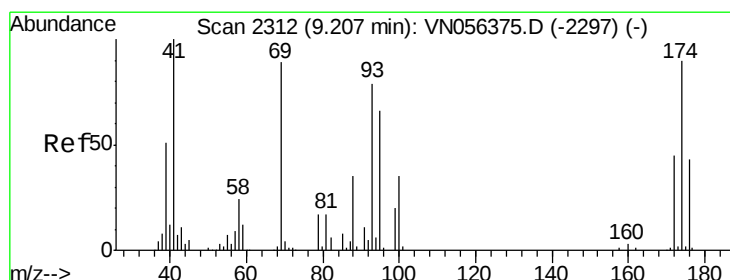
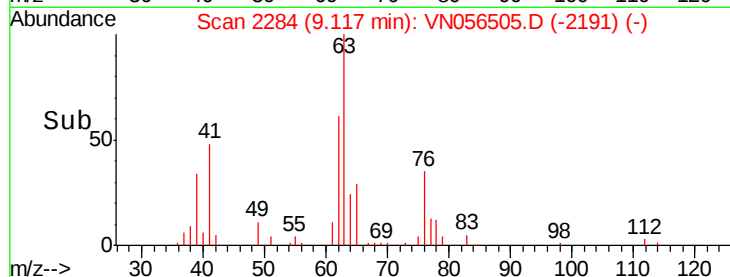
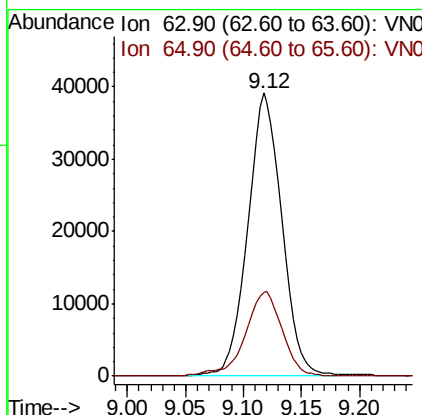
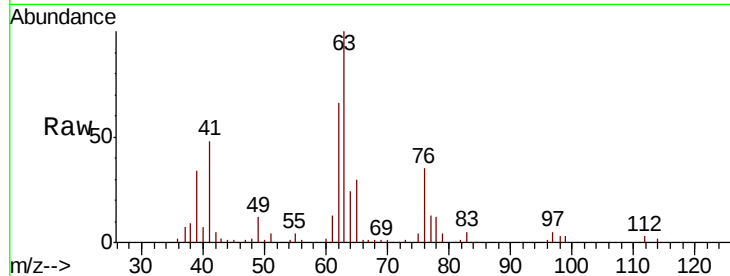




#45
 1,2-Dichloropropane
 Concen: 19.804 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

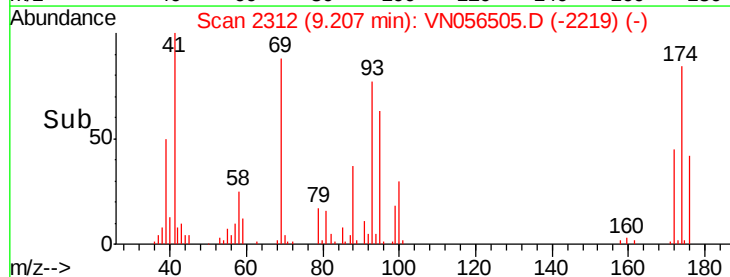
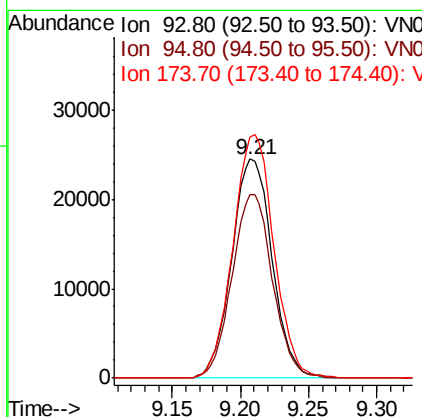
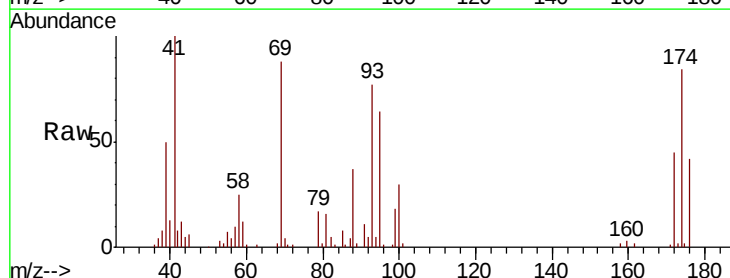
Instrument :
 MSVOA_N
 ClientSampled :

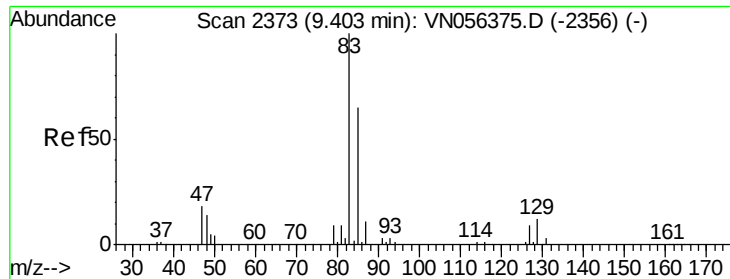
Tot Ion: 63 Resp: 80415
 Ion Ratio Lower Upper
 63 100
 65 29.7 25.0 37.6



#46
 Dibromomethane
 Concen: 19.899 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion: 93 Resp: 50552
 Ion Ratio Lower Upper
 93 100
 95 83.8 66.2 99.2
 174 112.3 90.8 136.2





#47

Bromodichloromethane

Concen: 19.854 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :

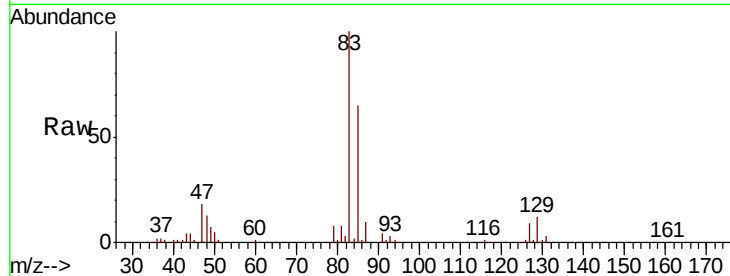
Tot Ion: 83 Resp: 89455

Ion Ratio Lower Upper

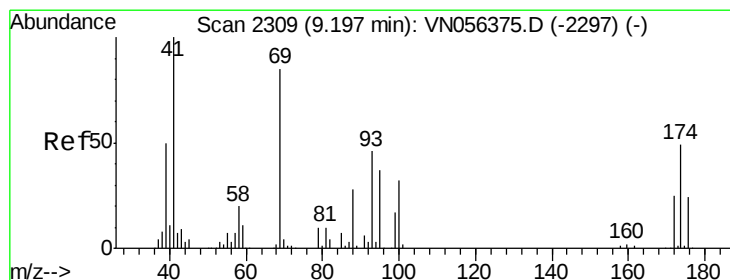
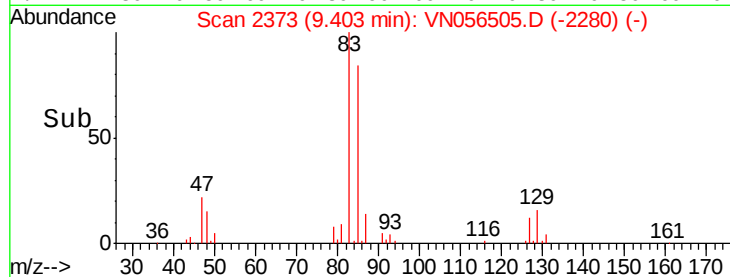
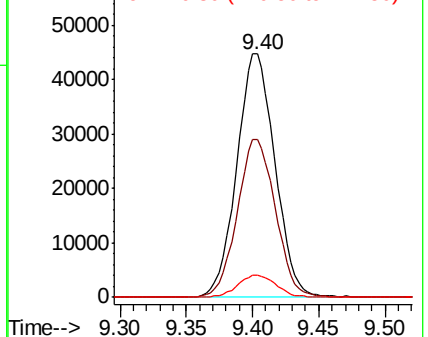
83 100

85 64.7 52.2 78.4

127 9.2 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 19.722 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

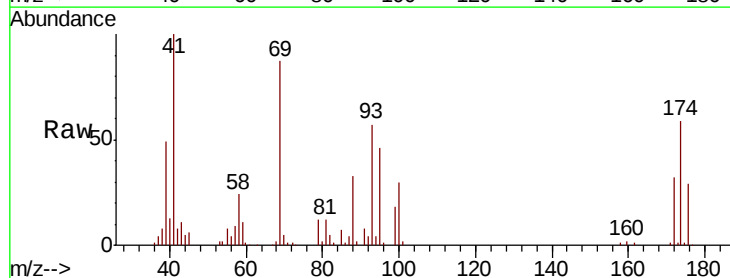
Tgt Ion: 41 Resp: 73926

Ion Ratio Lower Upper

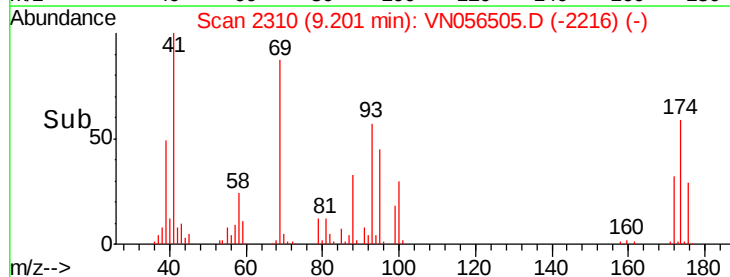
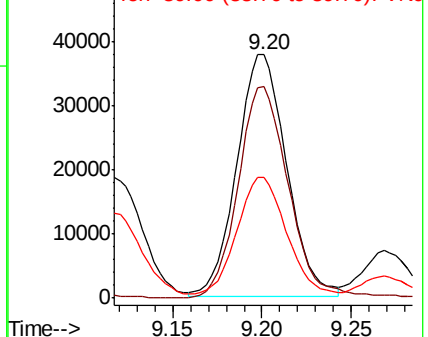
41 100

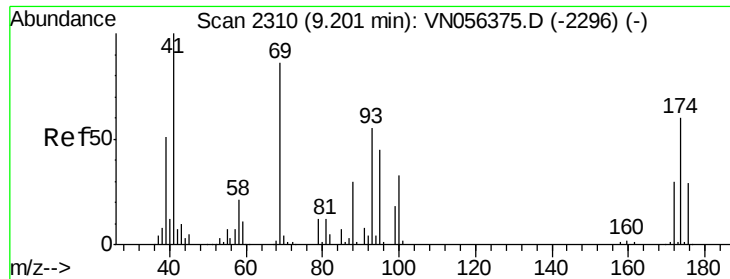
69 88.9 72.6 109.0

39 50.7 42.6 63.8



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





#49

1,4-Dioxane

Concen: 394.053 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

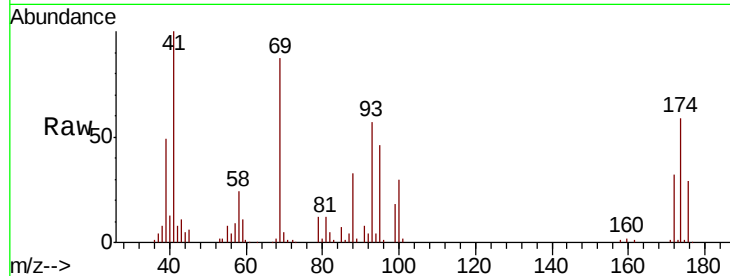
Tot Ion: 88 Resp: 30652

Ion Ratio Lower Upper

88 100

43 26.3 22.0 33.0

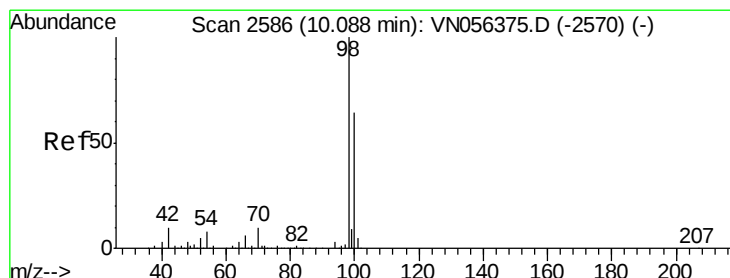
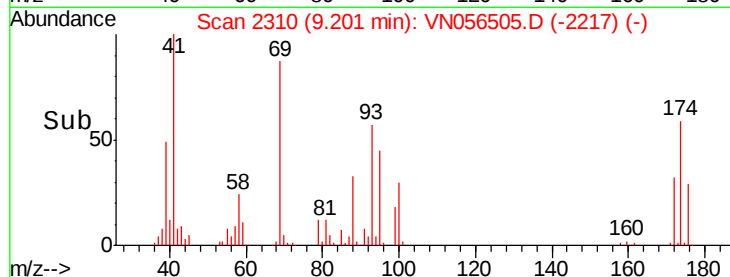
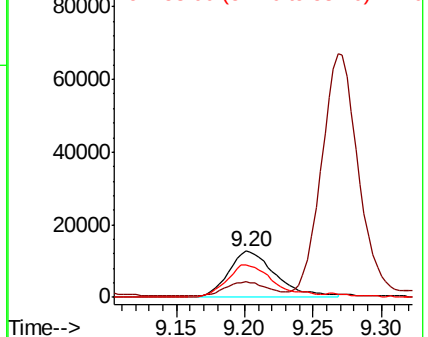
58 69.3 51.8 77.8



Abundance Ion 88.00 (87.70 to 88.70): VN056505.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN056505.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN056505.D (-2217) (-)



#50

Toluene-d8

Concen: 46.991 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN056505.D

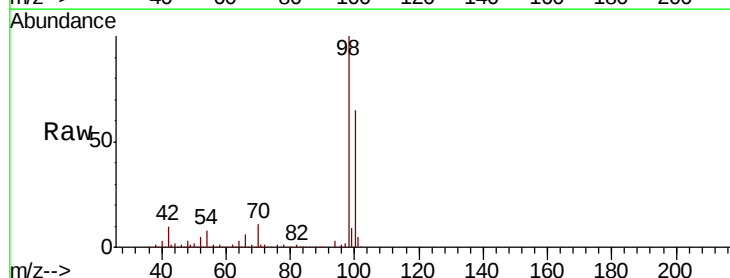
Acq: 26 Jun 2019 14:47

Tgt Ion: 98 Resp: 639678

Ion Ratio Lower Upper

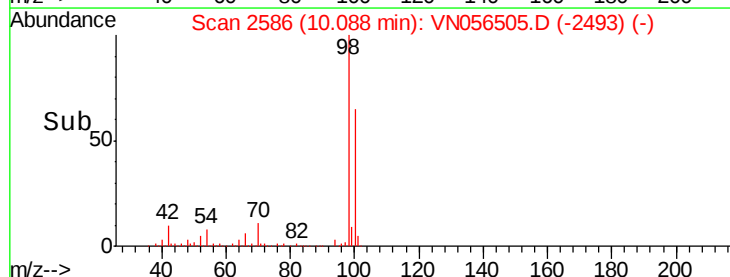
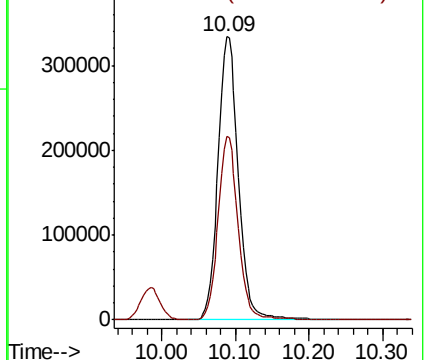
98 100

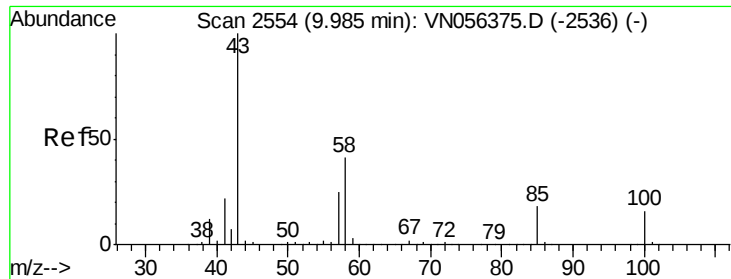
100 63.4 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN056505.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN056505.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 98.386 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

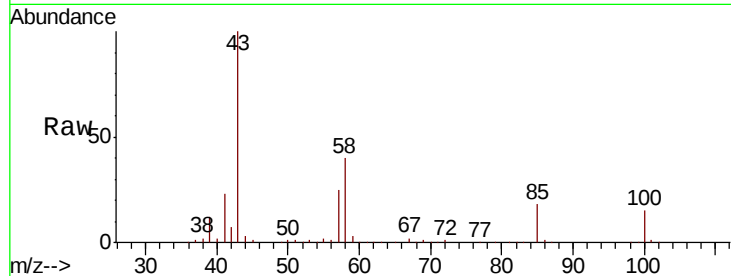
ClientSampled :

Tot Ion: 43 Resp: 474989

Ion Ratio Lower Upper

43 100

58 39.9 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

250000

200000

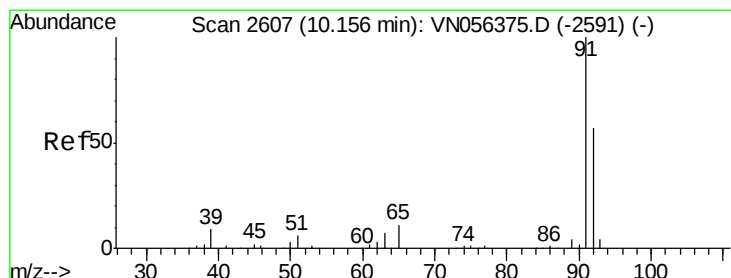
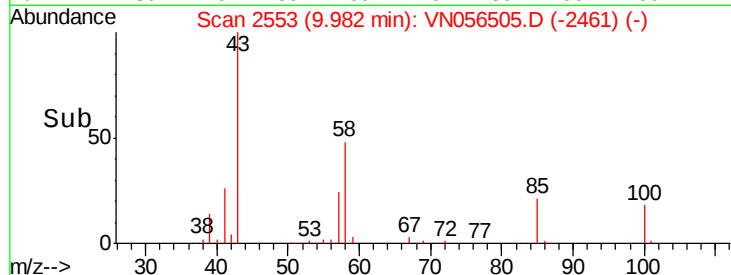
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.711 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056505.D

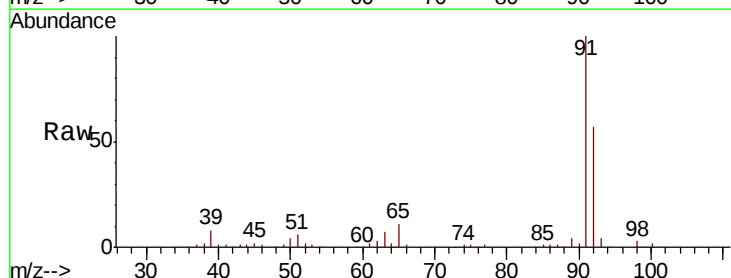
Acq: 26 Jun 2019 14:47

Tgt Ion: 92 Resp: 173692

Ion Ratio Lower Upper

92 100

91 176.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.16

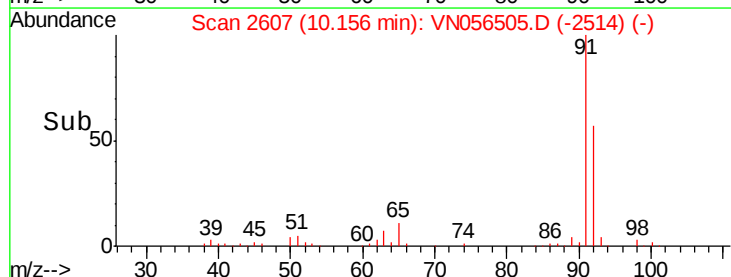
150000

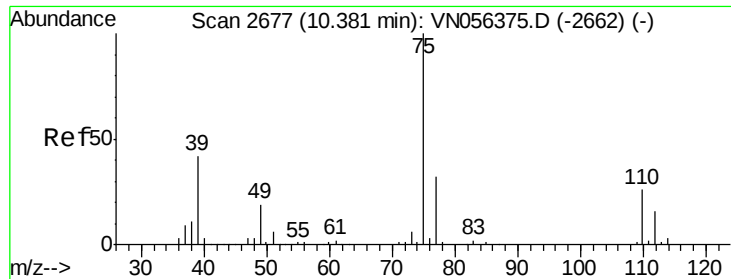
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.530 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

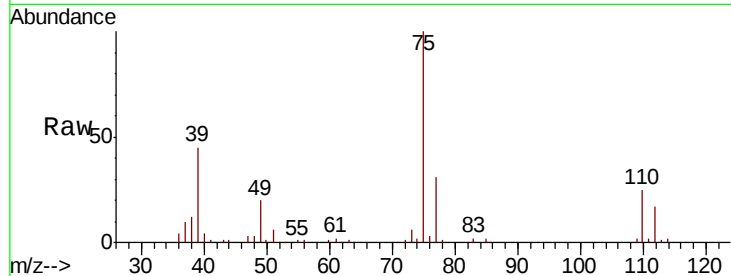
ClientSampled :

Tot Ion: 75 Resp: 87106

Ion Ratio Lower Upper

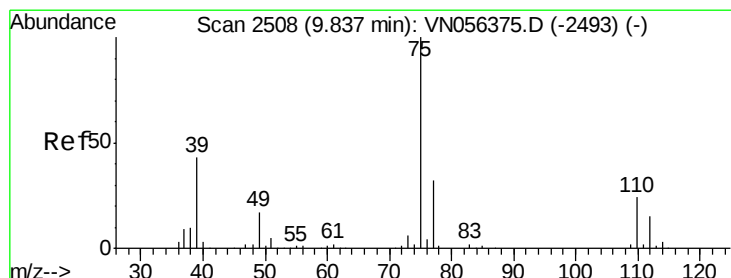
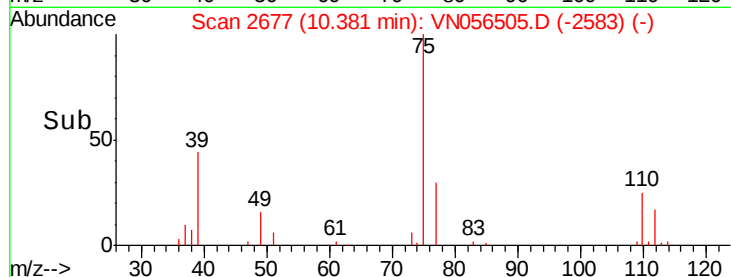
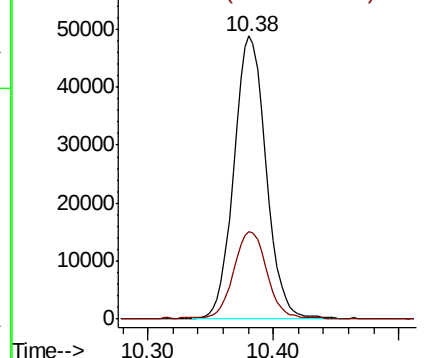
75 100

77 30.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 19.388 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

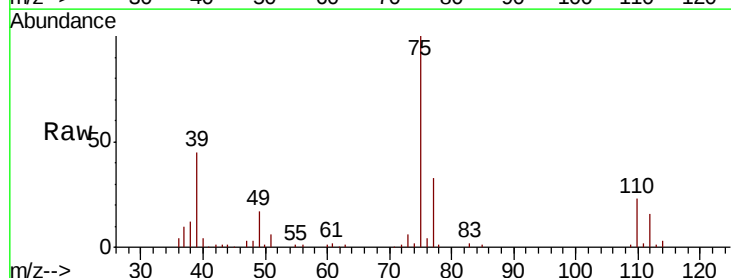
Tgt Ion: 75 Resp: 105196

Ion Ratio Lower Upper

75 100

77 33.4 25.2 37.8

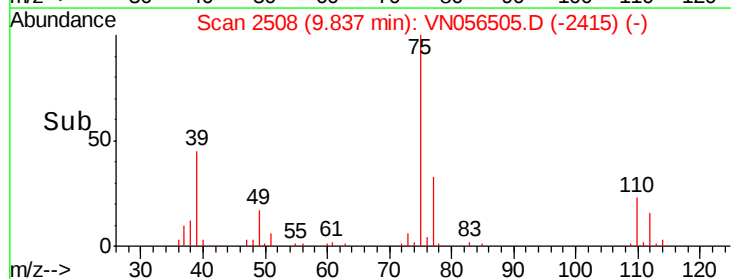
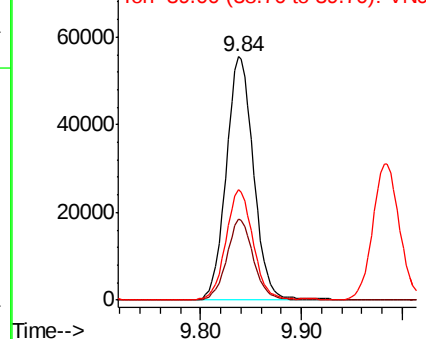
39 45.3 34.2 51.4

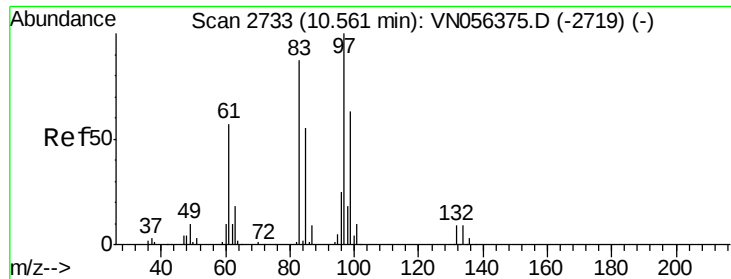


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

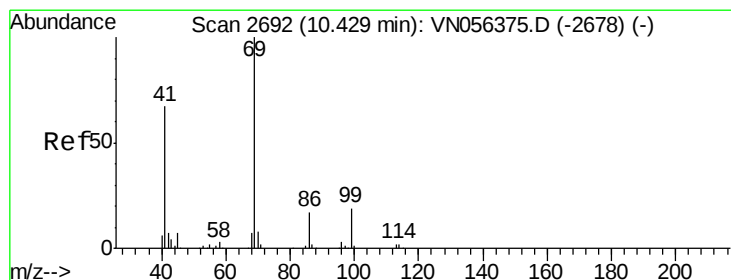
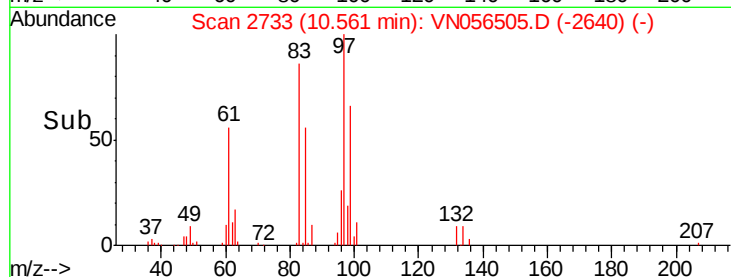
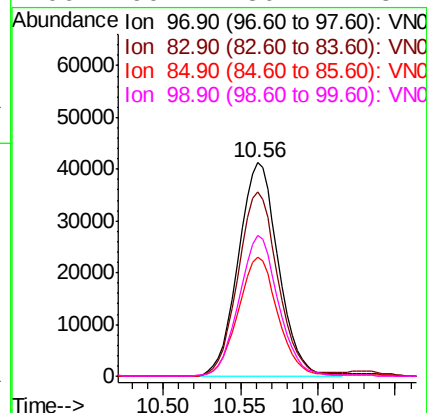
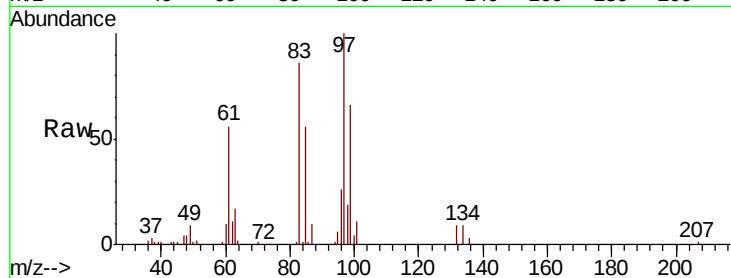




#55
 1,1,2-Trichloroethane
 Concen: 19.874 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

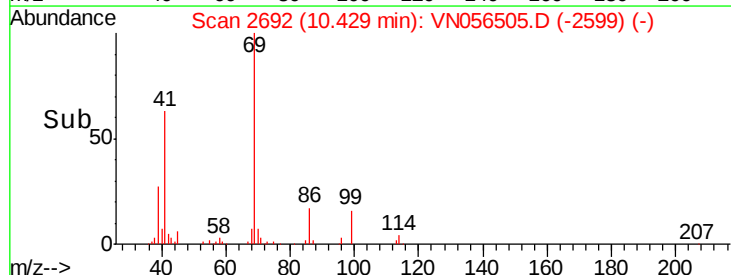
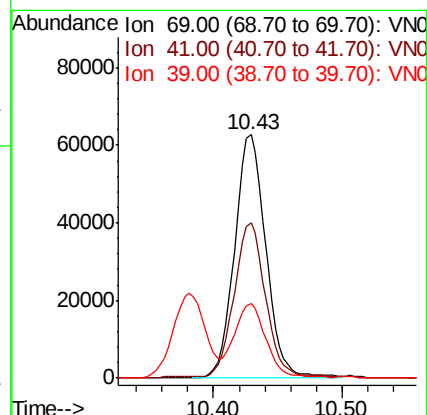
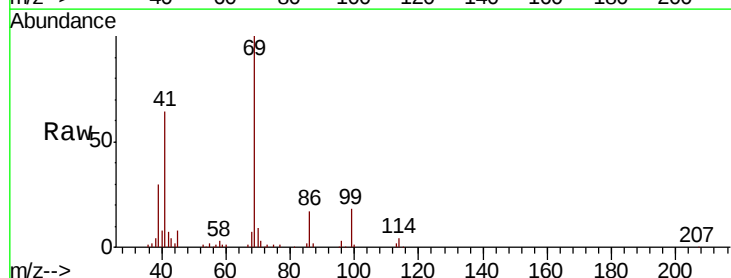
Instrument :
 MSVOA_N
 ClientSampleId :

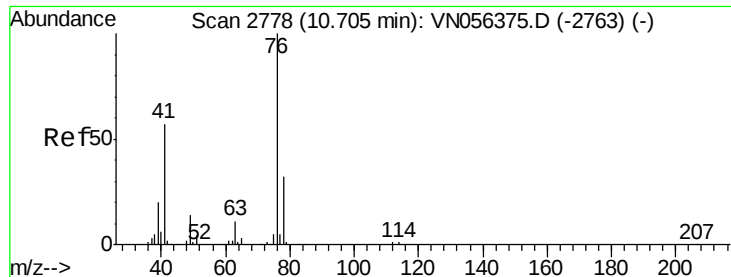
Tot Ion:	97	Resp:	74155
Ion	Ratio	Lower	Upper
97	100		
83	86.2	69.8	104.6
85	55.8	43.8	65.8
99	66.2	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 19.400 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion:	69	Resp:	105788
Ion	Ratio	Lower	Upper
69	100		
41	63.8	51.4	77.2
39	30.3	24.7	37.1

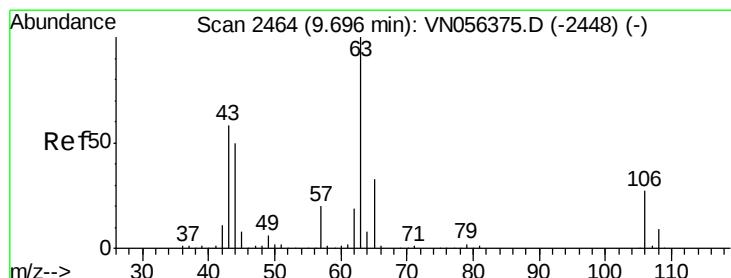
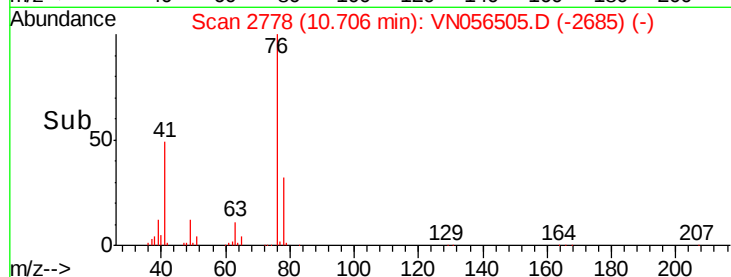
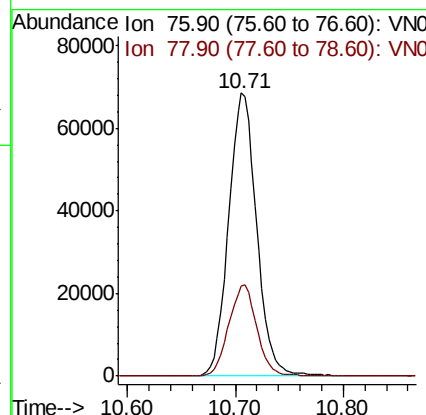
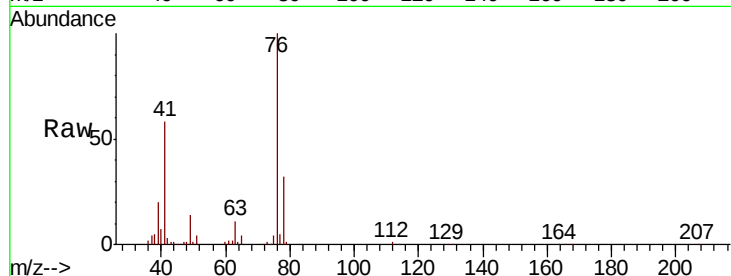




#57
 1,3-Dichloropropane
 Concen: 19.794 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

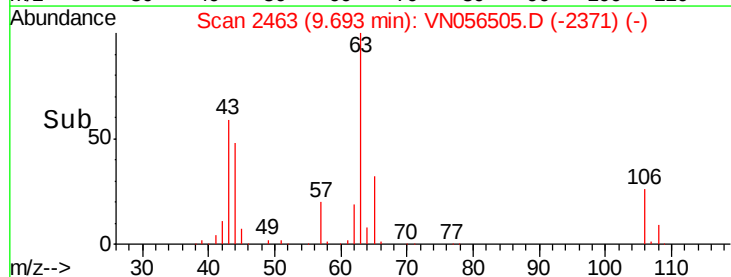
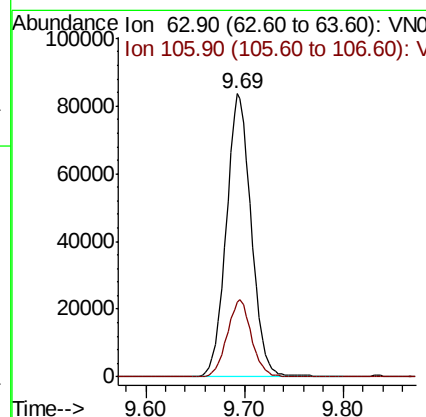
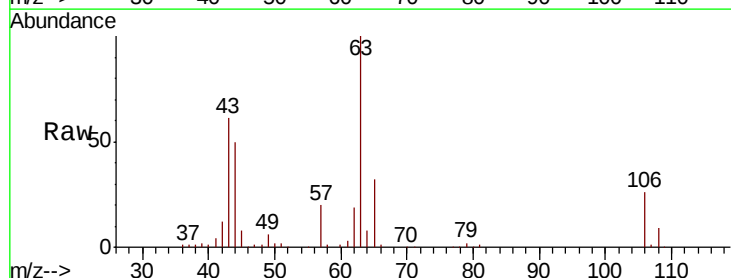
Instrument :
 MSVOA_N
 ClientSampled :

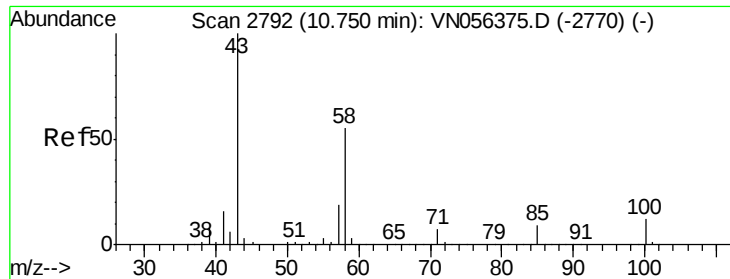
Tot Ion: 76 Resp: 124074
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 75.650 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion: 63 Resp: 148198
 Ion Ratio Lower Upper
 63 100
 106 26.6 21.6 32.4

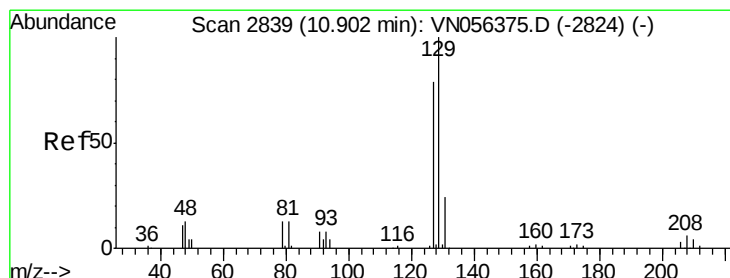
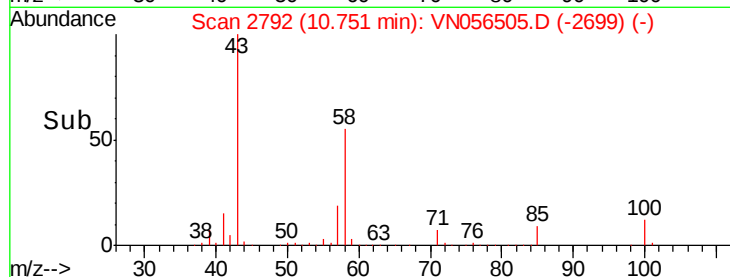
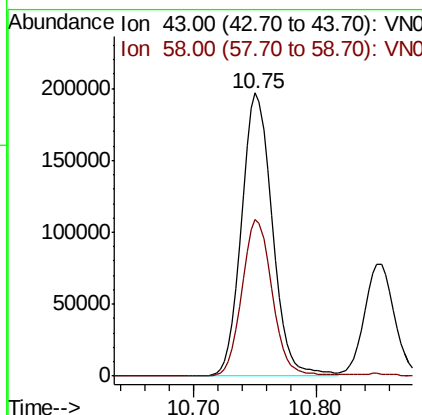
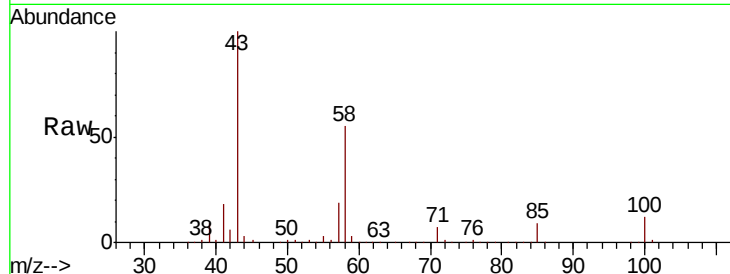




#59
2-Hexanone
Concen: 96.096 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

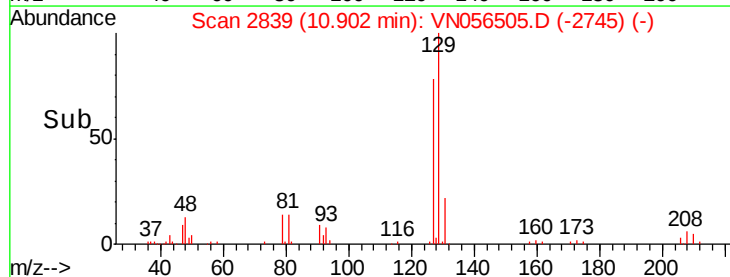
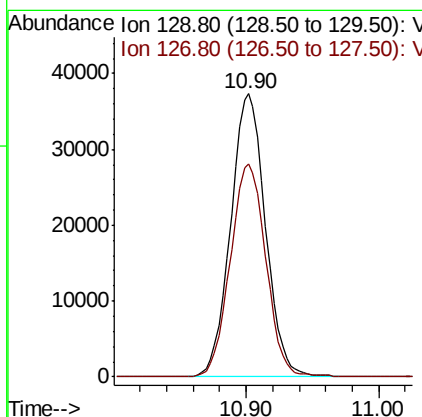
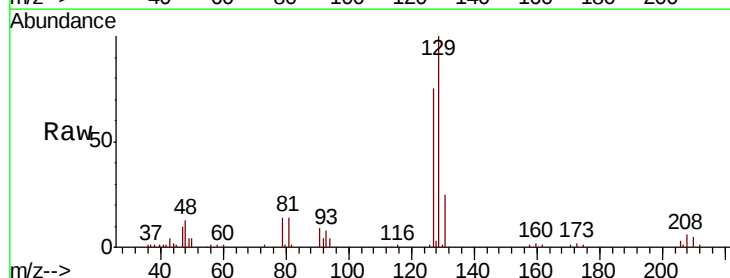
Instrument :
MSVOA_N
ClientSampled :

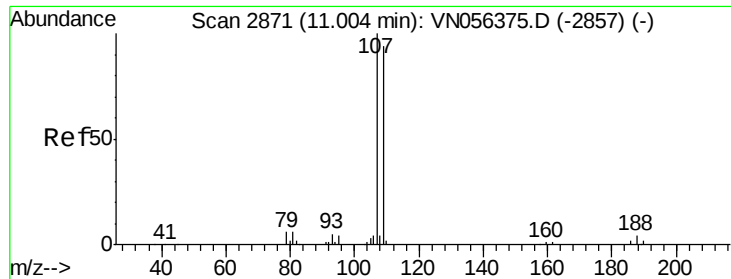
Tot Ion: 43 Resp: 340975
Ion Ratio Lower Upper
43 100
58 54.8 27.8 83.4



#60
Dibromochloromethane
Concen: 19.276 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion:129 Resp: 68034
Ion Ratio Lower Upper
129 100
127 76.9 38.9 116.7

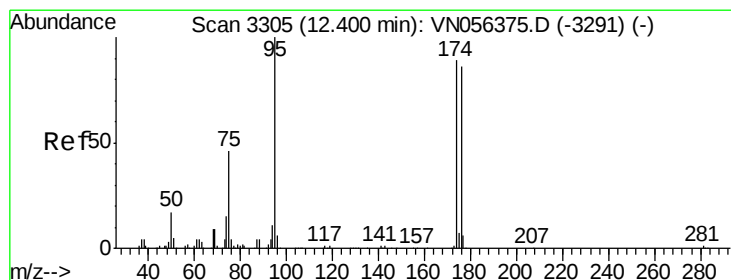
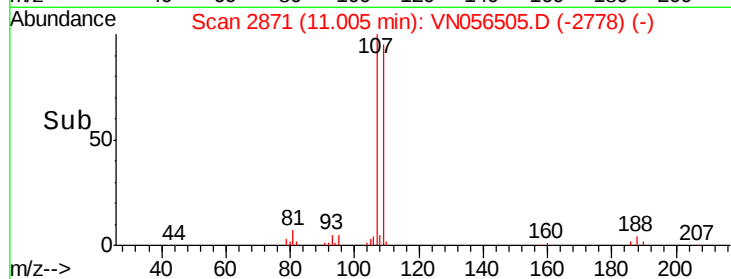
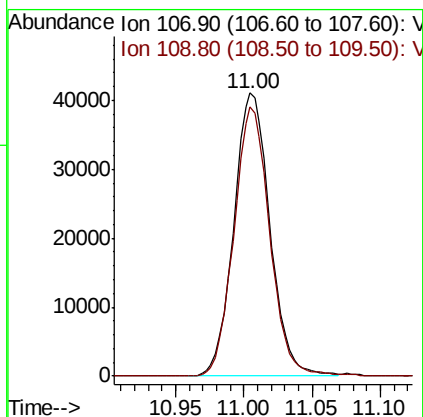
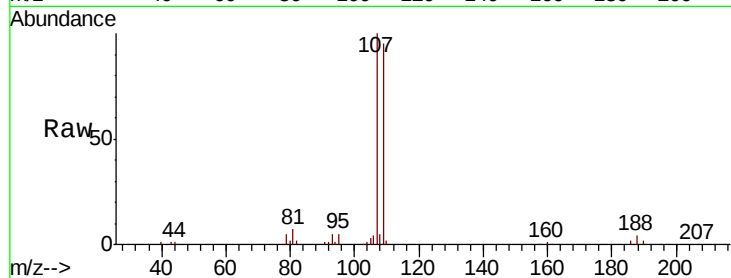




#61
 1,2-Dibromoethane
 Concen: 19.876 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

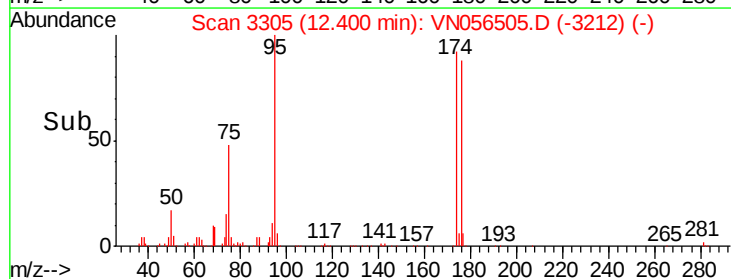
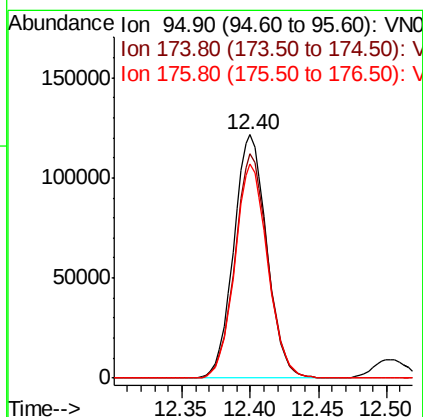
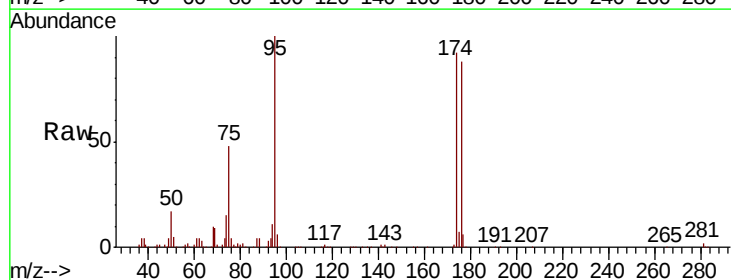
Instrument :
 MSVOA_N
 ClientSampleId :

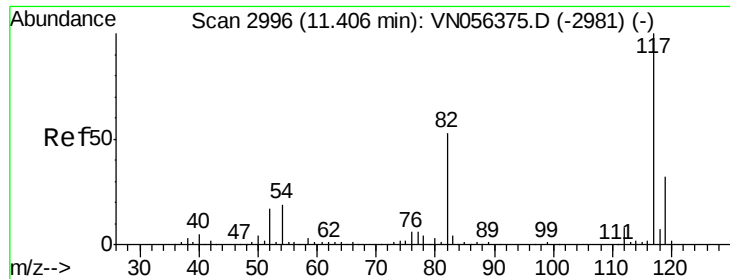
Tot Ion:107 Resp: 75744
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 45.044 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion: 95 Resp: 204407
 Ion Ratio Lower Upper
 95 100
 174 91.2 0.0 179.4
 176 87.3 0.0 173.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

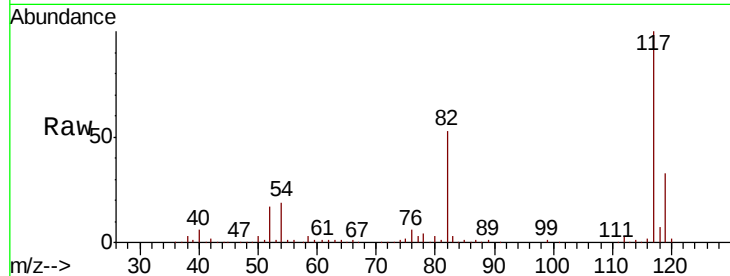
Tot Ion:117 Resp: 485396

Ion Ratio Lower Upper

117 100

82 52.8 42.0 63.0

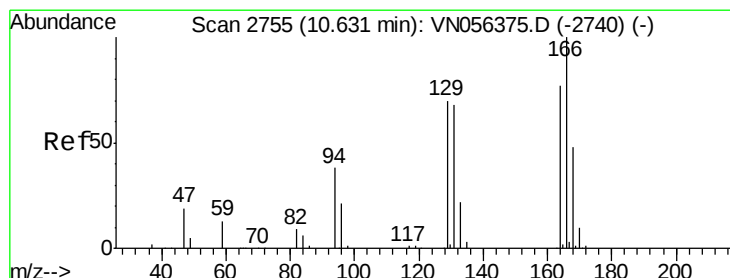
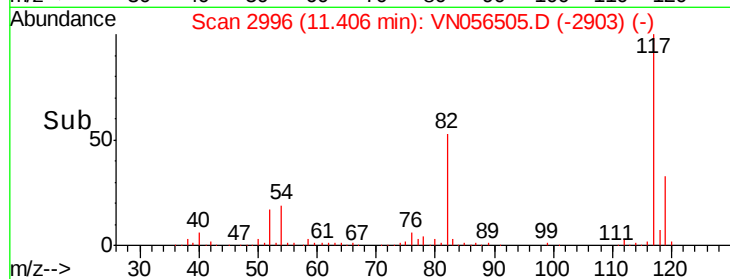
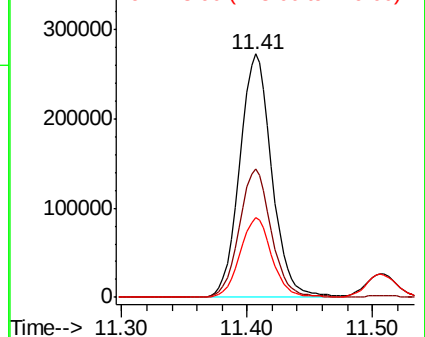
119 32.5 25.3 37.9



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: 19.696 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion:164 Resp: 75709

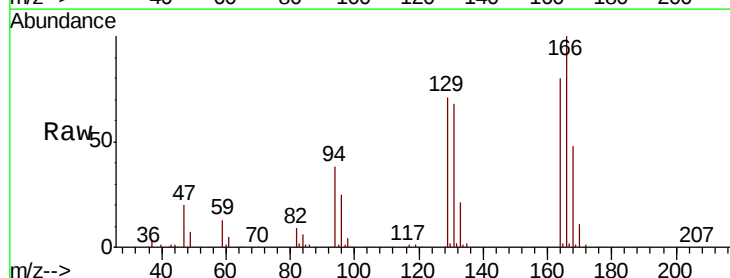
Ion Ratio Lower Upper

164 100

166 124.4 103.4 155.0

129 88.0 72.0 108.0

131 84.9 70.2 105.2

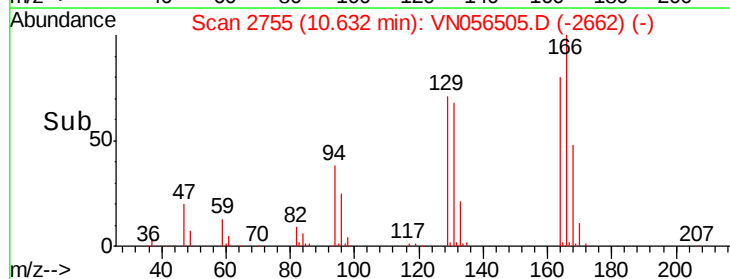
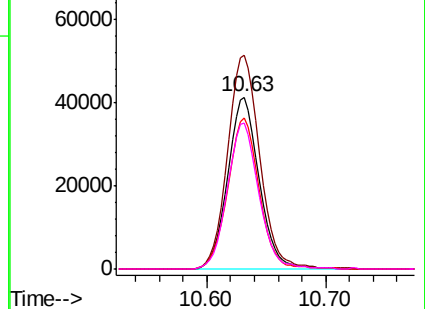


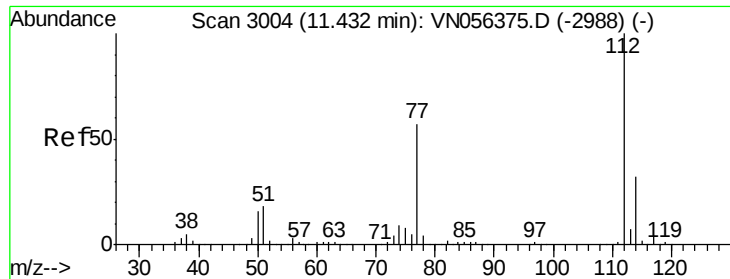
Abundance Ion 163.80 (163.50 to 164.50): V

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

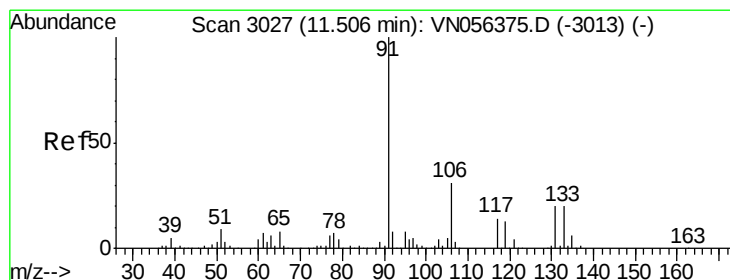
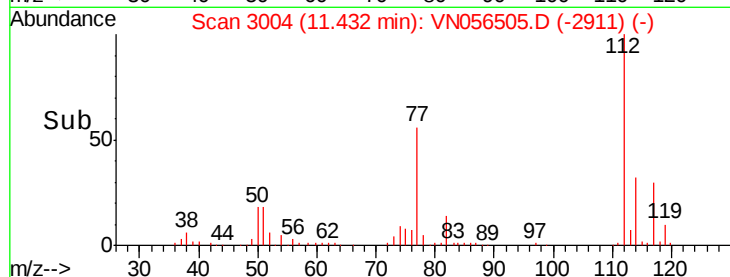
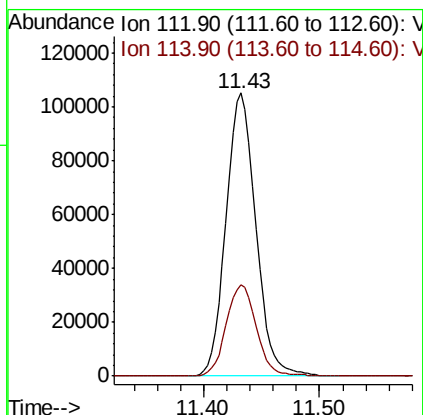
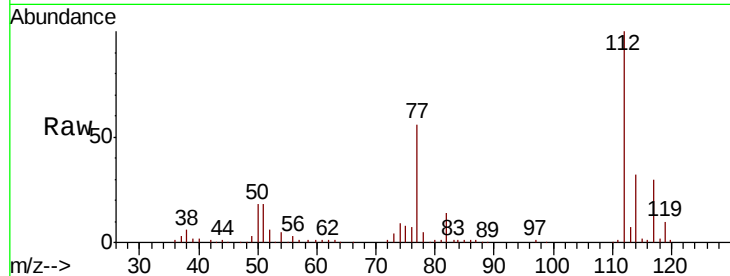




#65
Chlorobenzene
Concen: 19.143 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

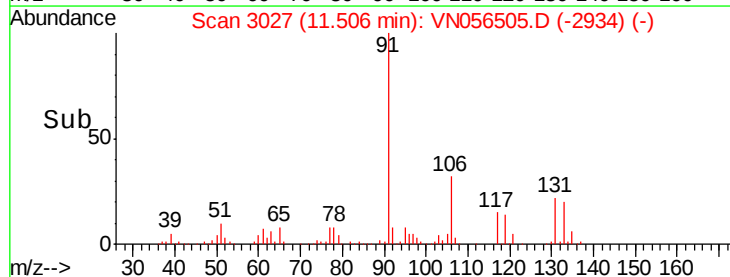
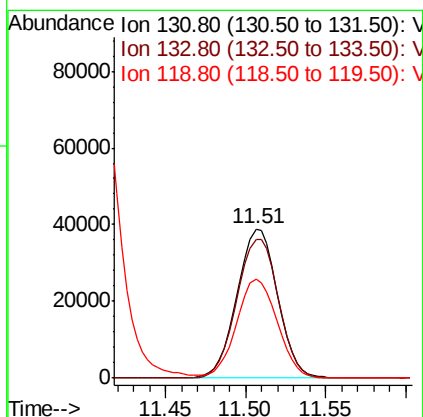
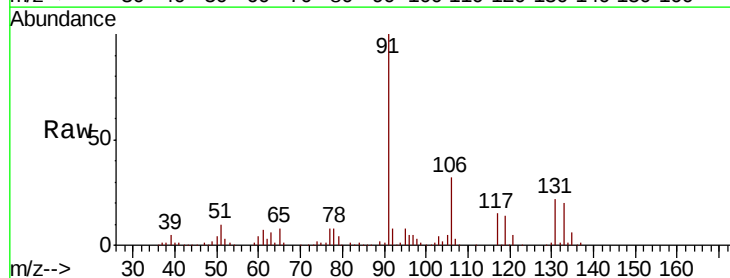
Instrument :
MSVOA_N
ClientSampled :

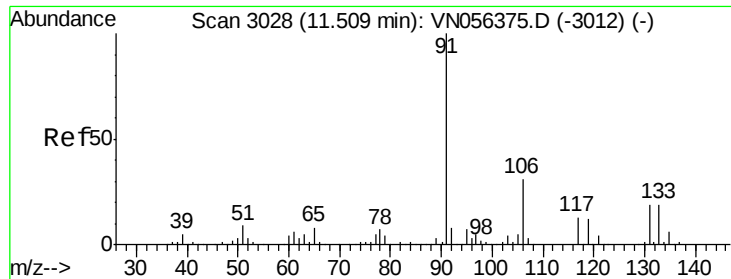
Tot Ion:112 Resp: 186707
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.358 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion:131 Resp: 67108
Ion Ratio Lower Upper
131 100
133 96.2 47.4 142.2
119 66.9 32.8 98.4

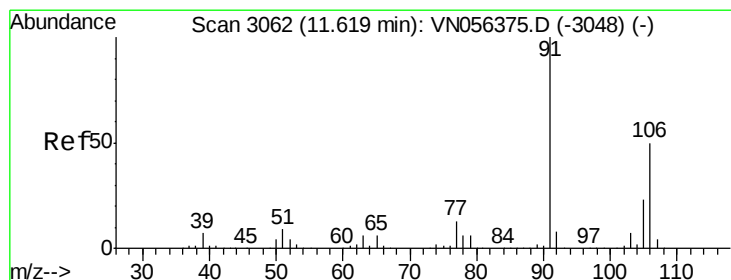
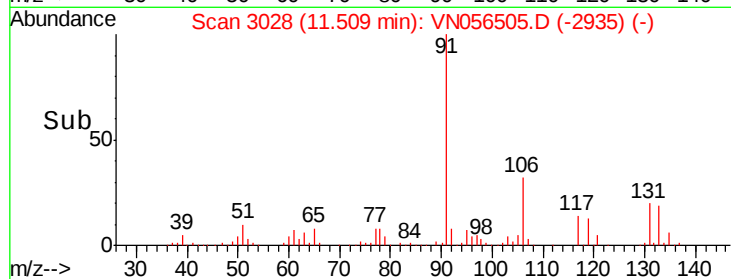
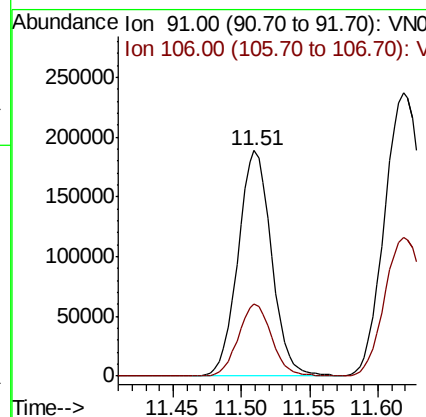
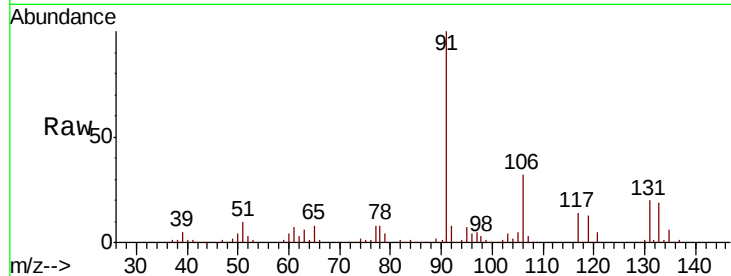




#67
Ethyl Benzene
Concen: 18.826 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

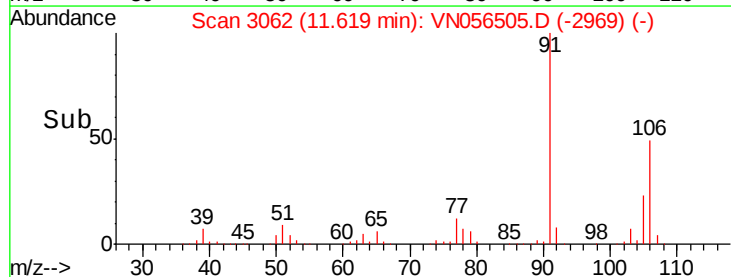
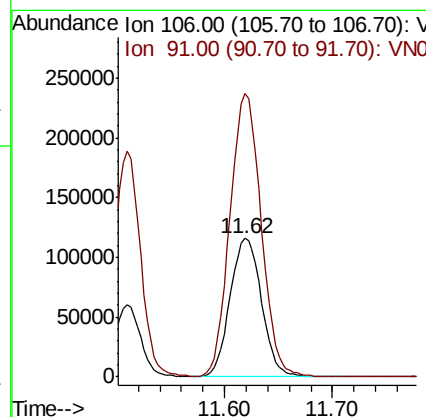
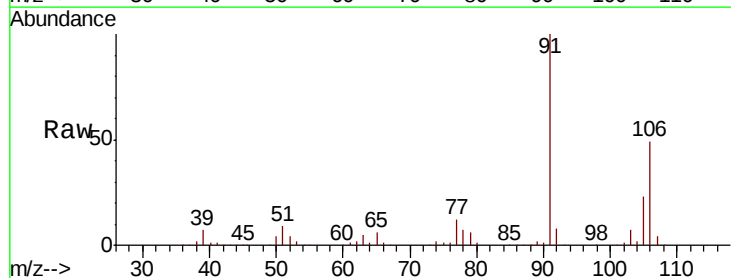
Instrument :
MSVOA_N
ClientSampled :

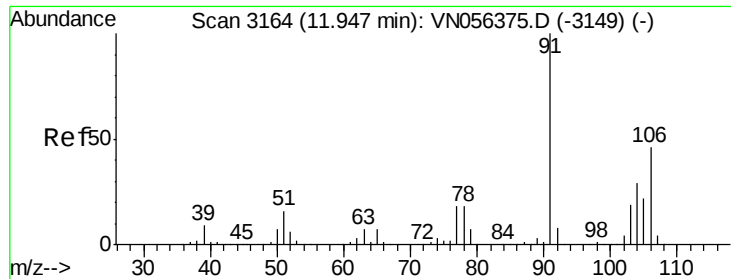
Tot Ion: 91 Resp: 322407
Ion Ratio Lower Upper
91 100
106 31.9 25.1 37.7



#68
m/p-Xylenes
Concen: 37.722 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion: 106 Resp: 236746
Ion Ratio Lower Upper
106 100
91 202.6 160.1 240.1

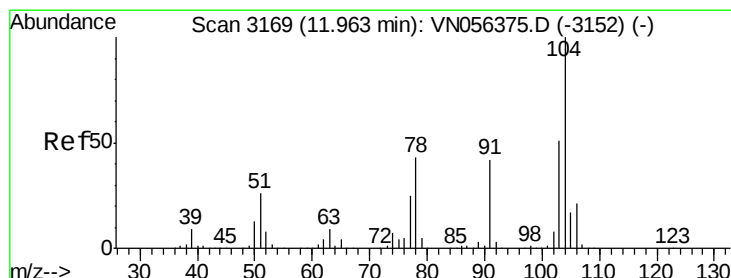
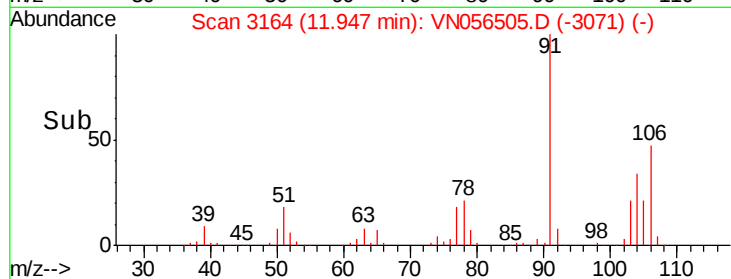
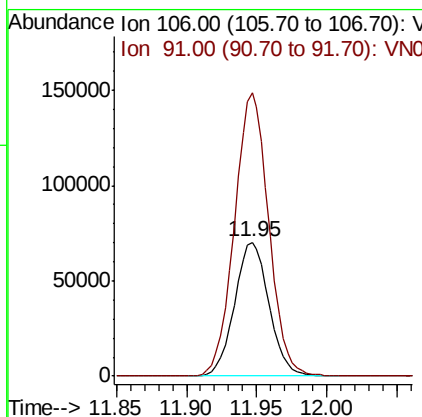
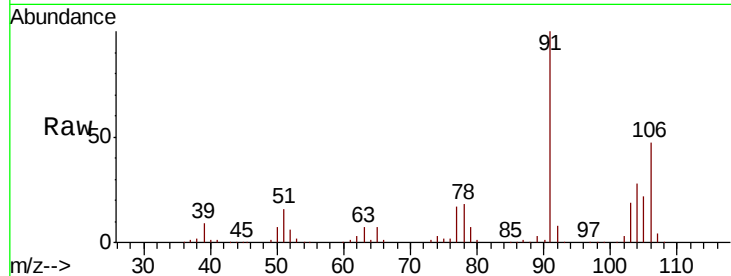




#69
o-Xylene
Concen: 19.370 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

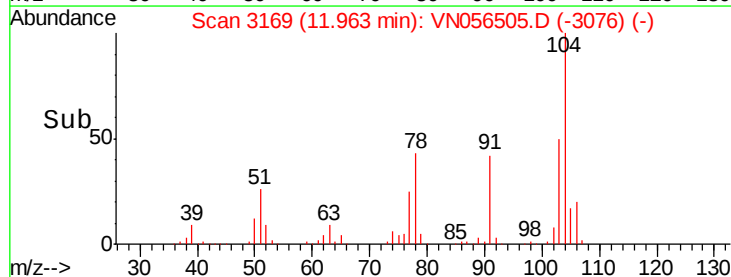
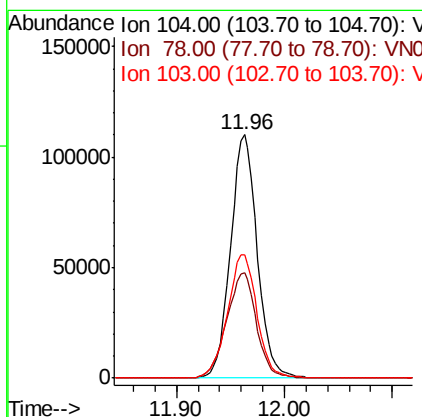
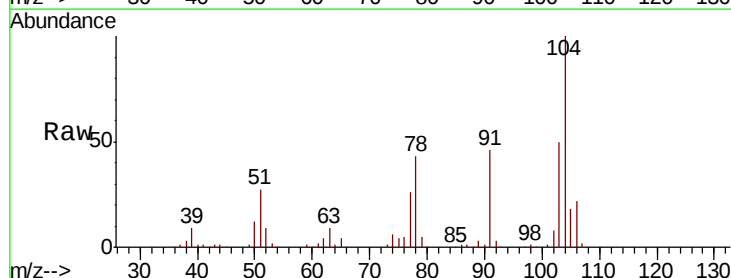
Instrument :
MSVOA_N
ClientSampled :

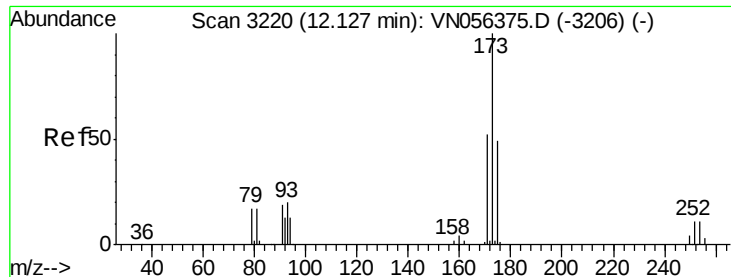
Tot Ion:106 Resp: 120270
Ion Ratio Lower Upper
106 100
91 210.1 107.1 321.3



#70
Styrene
Concen: 19.211 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion:104 Resp: 190665
Ion Ratio Lower Upper
104 100
78 48.1 38.6 57.8
103 55.9 43.9 65.9

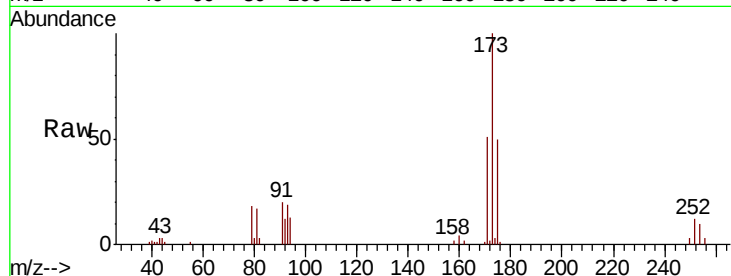




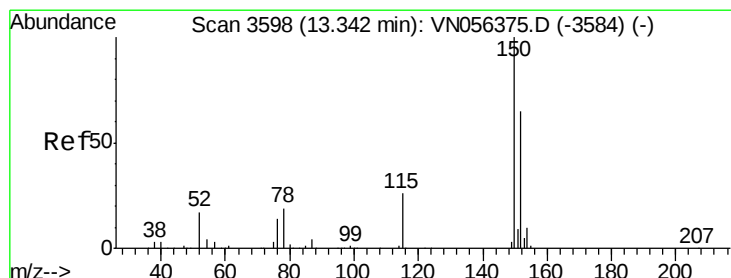
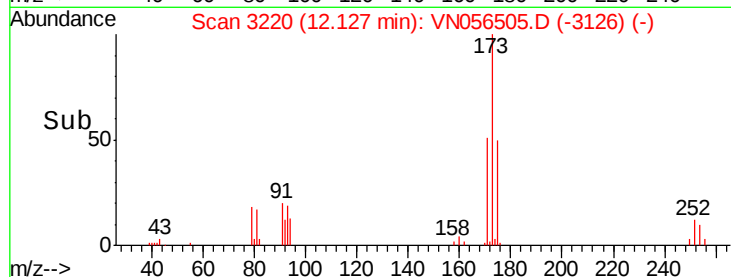
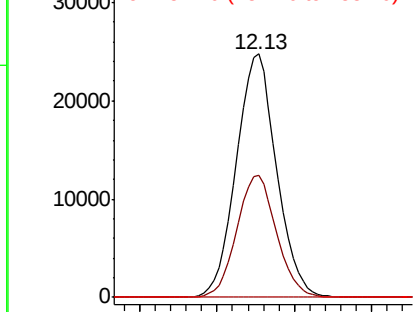
#71
Bromoform
Concen: 18.902 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 44721
Ion Ratio Lower Upper
173 100
175 49.4 24.4 73.4
254 0.0 0.0 0.0

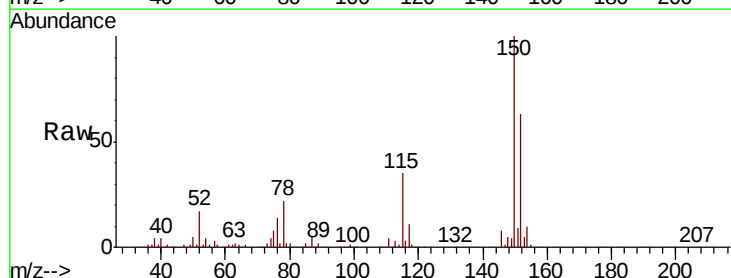


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

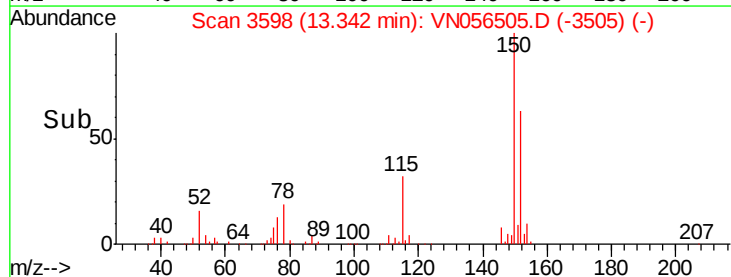
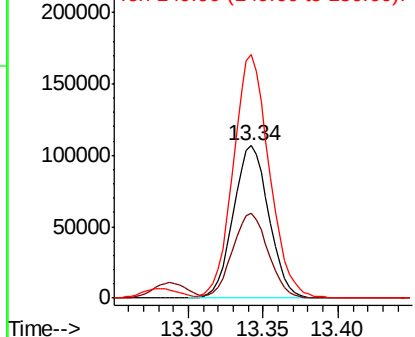


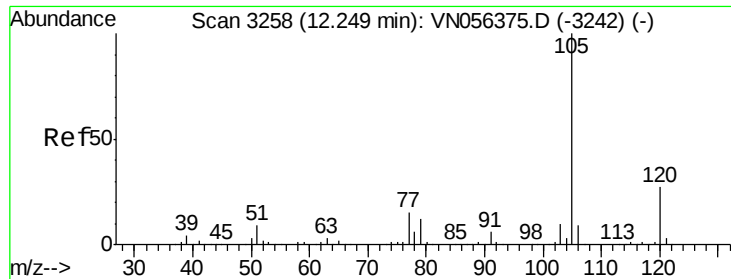
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion:152 Resp: 176080
Ion Ratio Lower Upper
152 100
115 56.2 28.1 84.4
150 162.0 0.0 348.4



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: 22.394 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

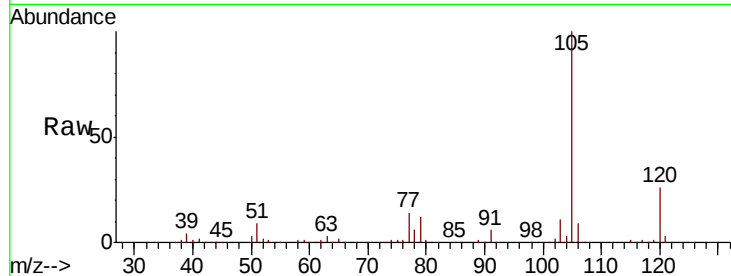
ClientSampleId :

Tot Ion:105 Resp: 315795

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

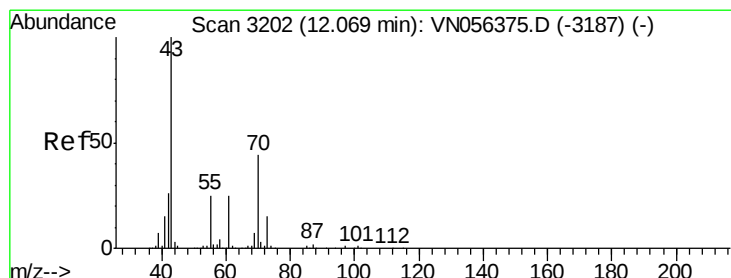
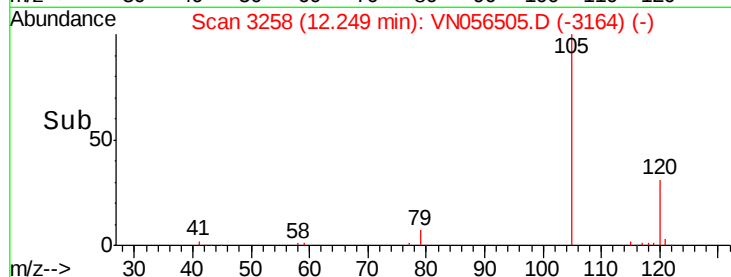
100000

50000

0

12.15 12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 20.746 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Tgt Ion: 43 Resp: 116261

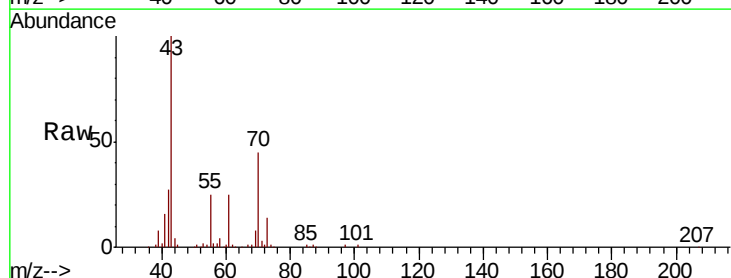
Ion Ratio Lower Upper

43 100

70 43.9 34.9 52.3

55 26.2 20.4 30.6

61 24.5 19.8 29.8



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

100000

80000

60000

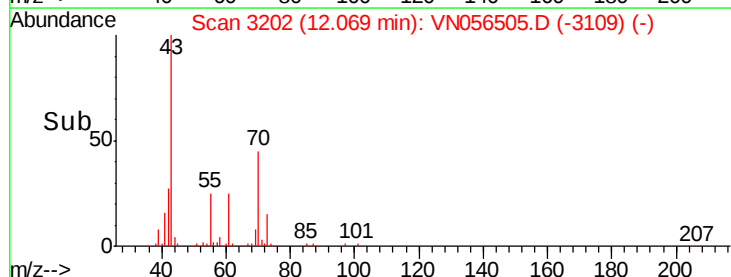
40000

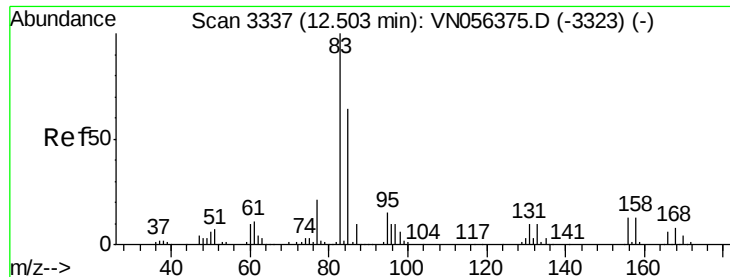
20000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 23.544 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

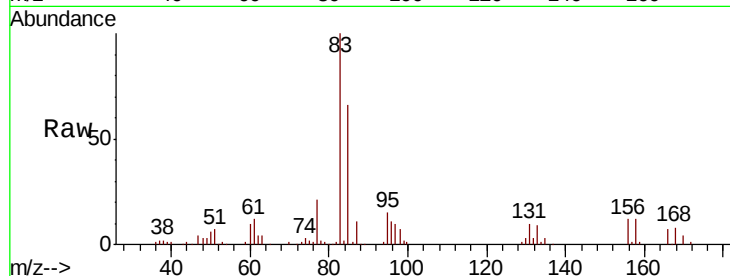
Tot Ion: 83 Resp: 103056

Ion Ratio Lower Upper

83 100

131 10.3 5.3 15.8

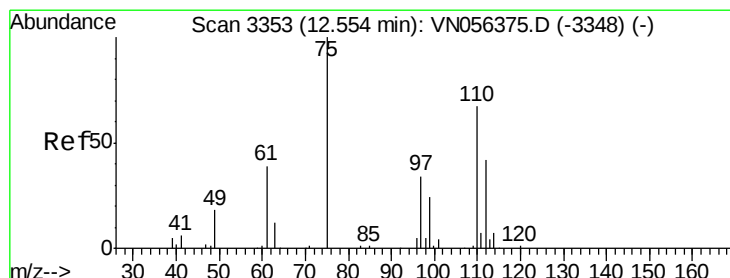
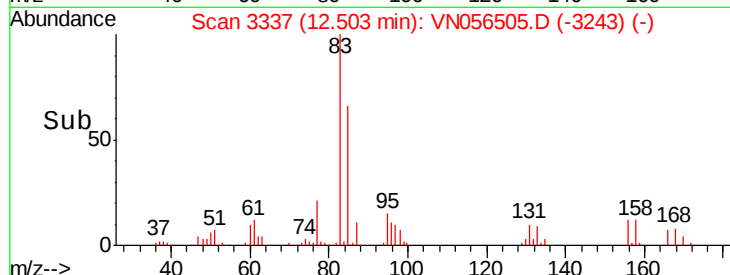
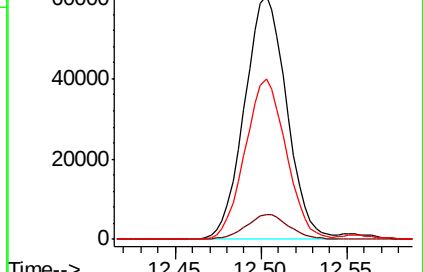
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN056505.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN056505.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN056505.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 31.697 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN056505.D

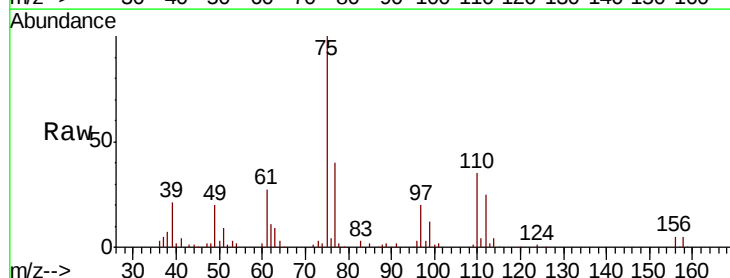
Acq: 26 Jun 2019 14:47

Tgt Ion: 75 Resp: 115728

Ion Ratio Lower Upper

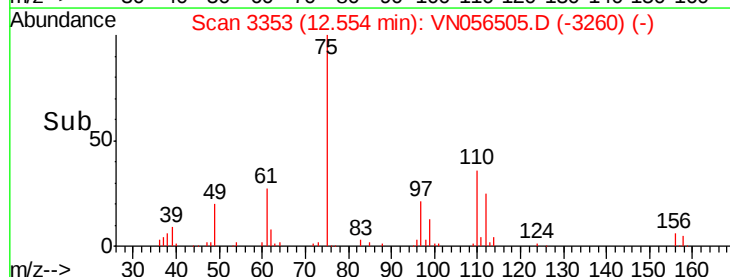
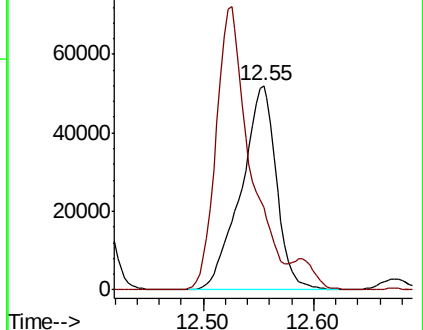
75 100

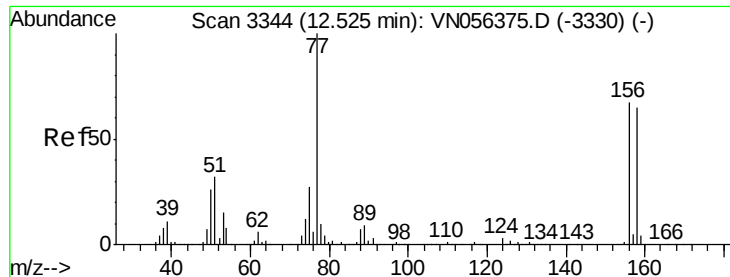
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN056505.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN056505.D (-3260) (-)





#77

Bromobenzene

Concen: 20.672 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

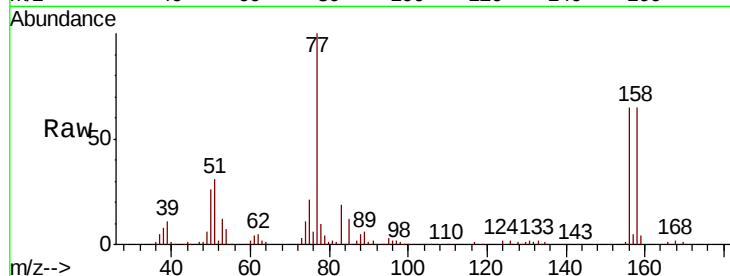
Tot Ion:156 Resp: 81390

Ion Ratio Lower Upper

156 100

77 189.1 92.5 277.3

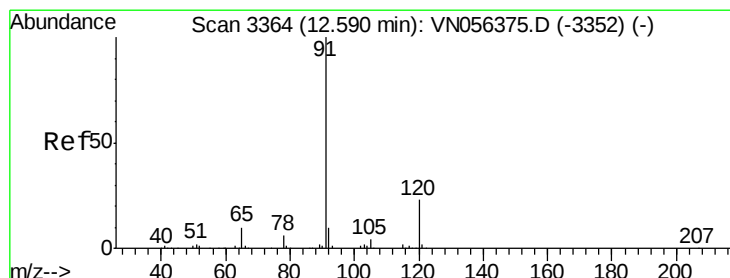
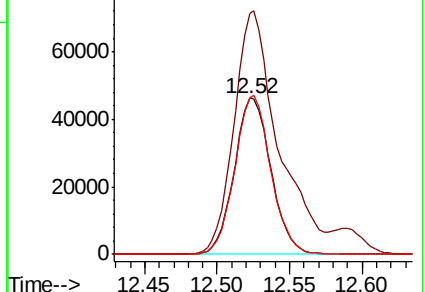
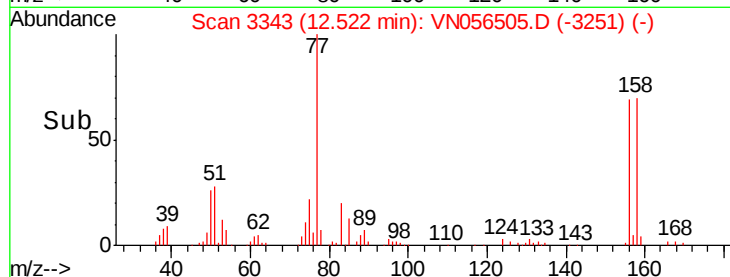
158 99.6 48.7 146.1



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: 19.800 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056505.D

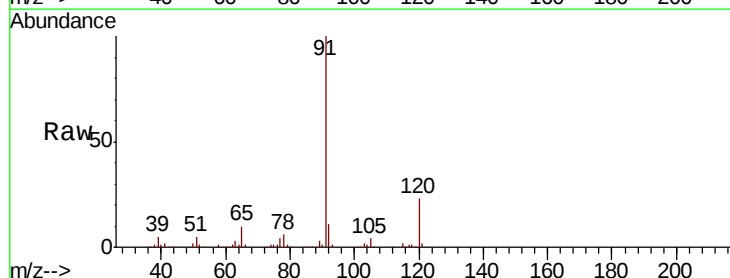
Acq: 26 Jun 2019 14:47

Tgt Ion: 91 Resp: 319272

Ion Ratio Lower Upper

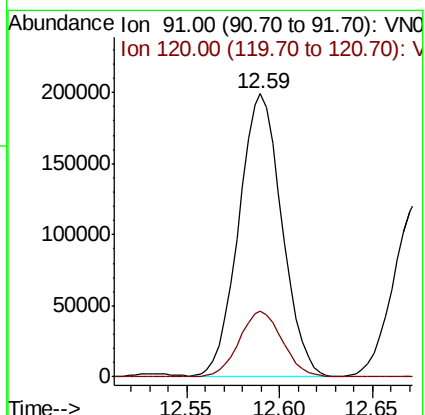
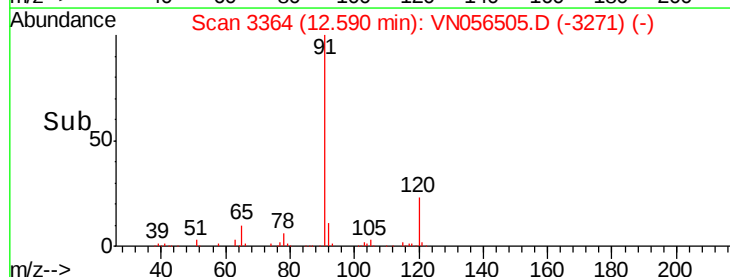
91 100

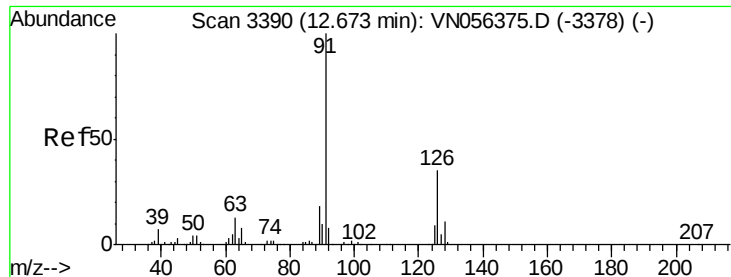
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.754 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

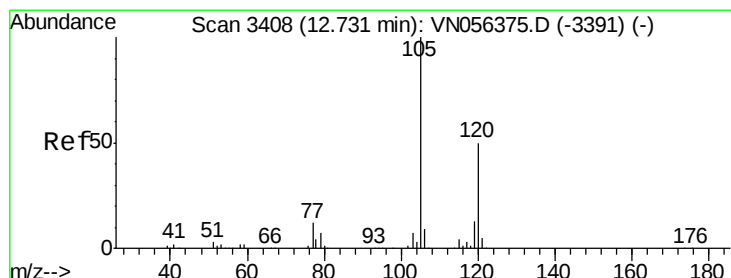
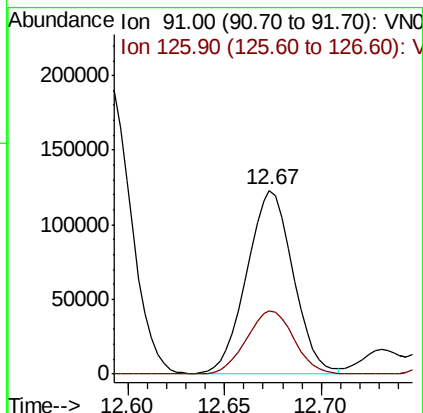
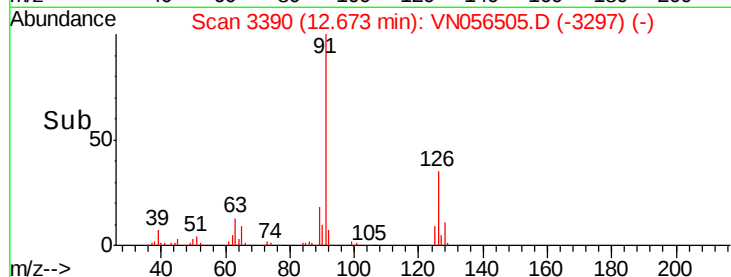
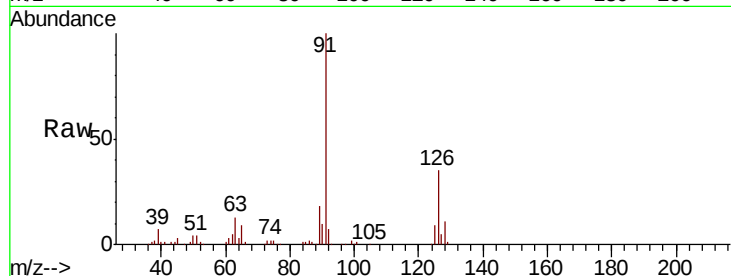
ClientSampled :

Tot Ion: 91 Resp: 204980

Ion Ratio Lower Upper

91 100

126 35.3 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 21.377 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056505.D

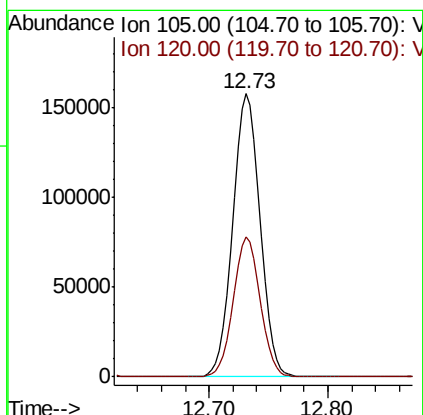
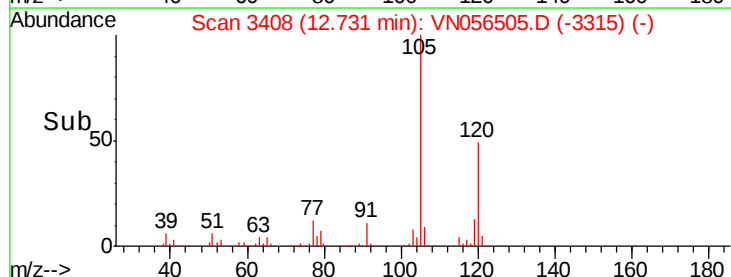
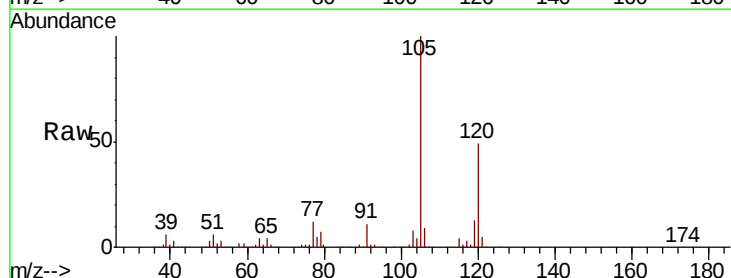
Acq: 26 Jun 2019 14:47

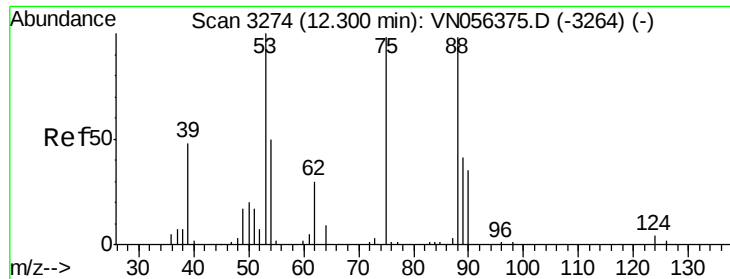
Tgt Ion: 105 Resp: 251220

Ion Ratio Lower Upper

105 100

120 48.8 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 20.160 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

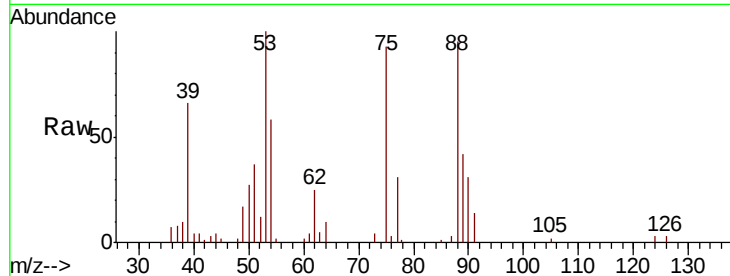
Tot Ion: 75 Resp: 20710

Ion Ratio Lower Upper

75 100

53 112.4 83.9 125.9

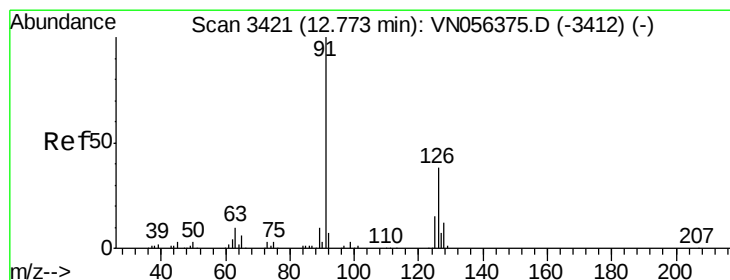
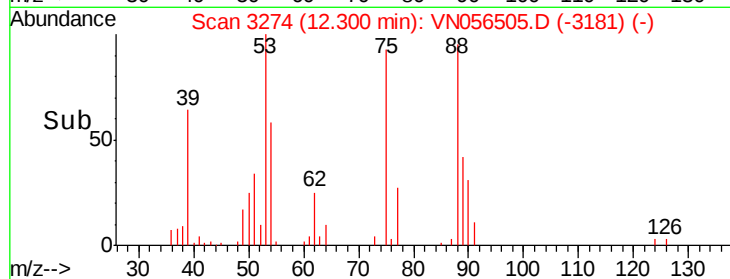
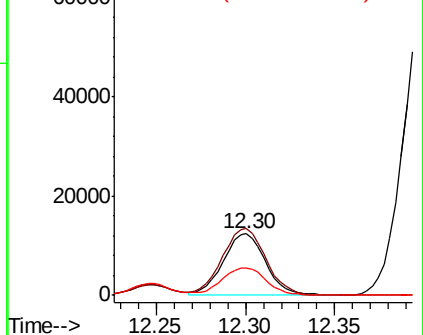
89 46.0 35.0 52.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.445 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN056505.D

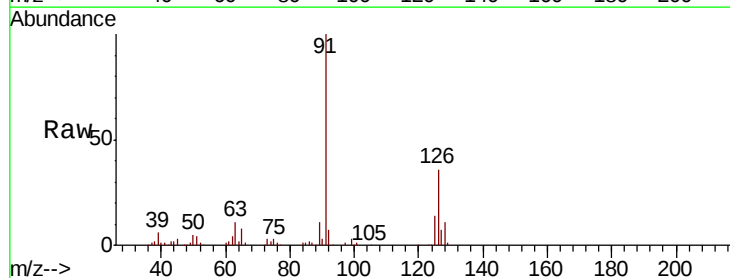
Acq: 26 Jun 2019 14:47

Tgt Ion: 91 Resp: 185131

Ion Ratio Lower Upper

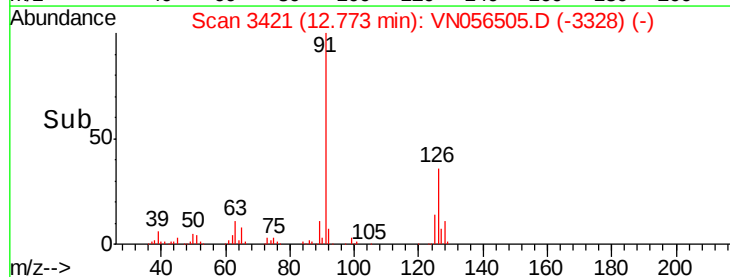
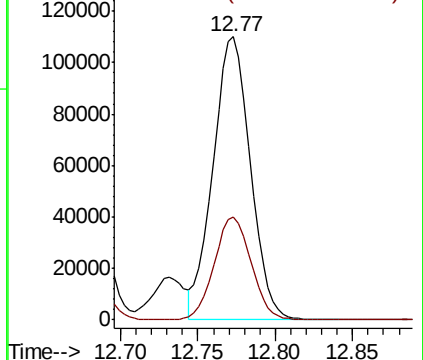
91 100

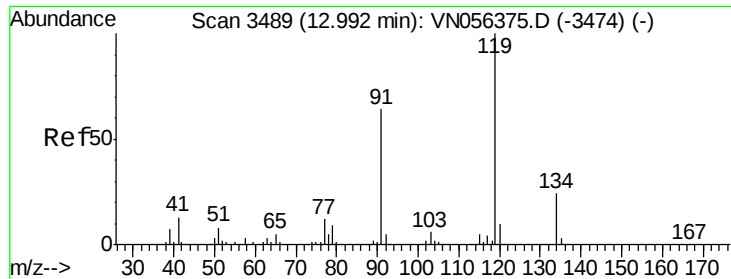
126 36.0 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

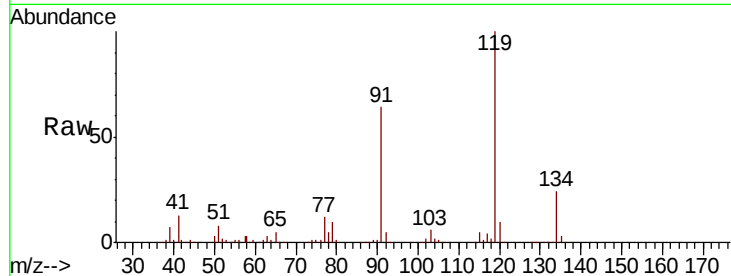




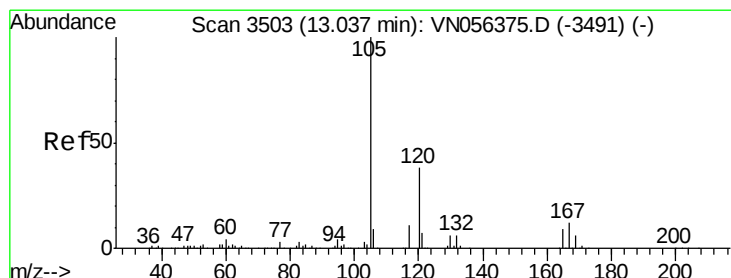
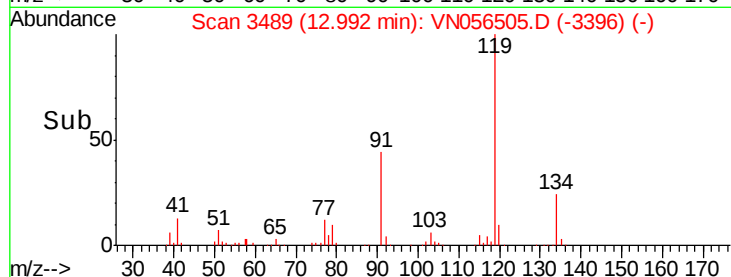
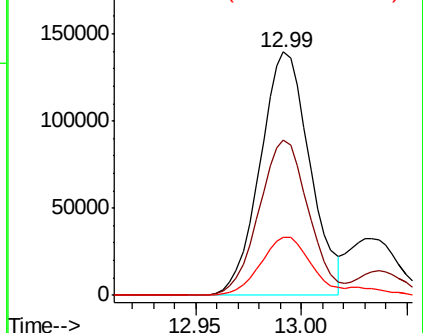
#83
tert-Butylbenzene
Concen: 22.191 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:119 Resp: 229102
Ion Ratio Lower Upper
119 100
91 63.7 31.6 94.7
134 24.3 13.2 39.5

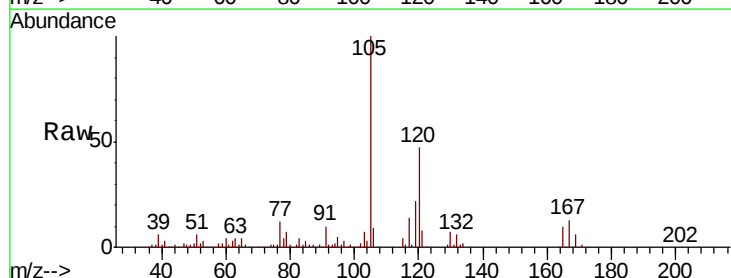


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

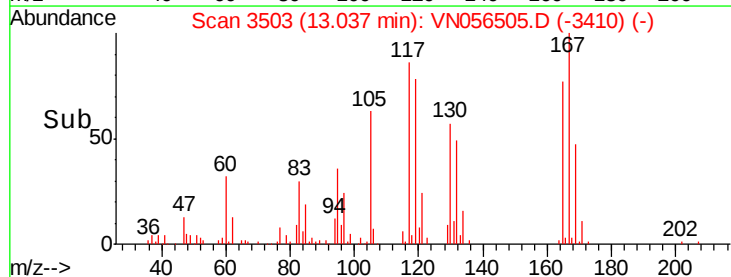
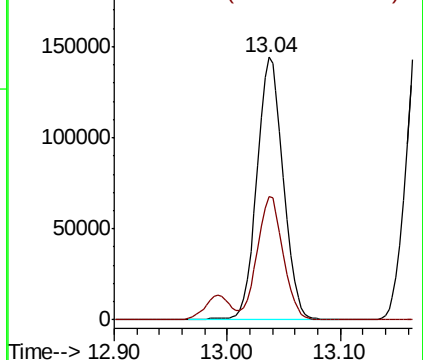


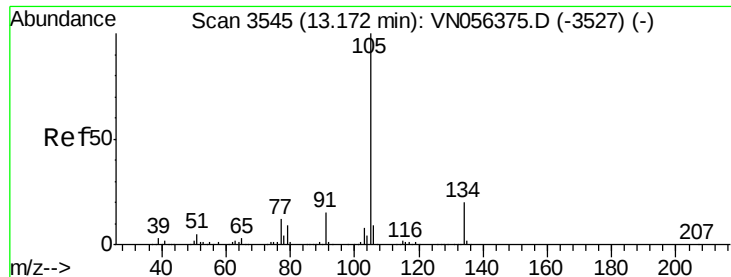
#84
1,2,4-Trimethylbenzene
Concen: 19.646 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN056505.D
Acq: 26 Jun 2019 14:47

Tgt Ion:105 Resp: 232880
Ion Ratio Lower Upper
105 100
120 46.2 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

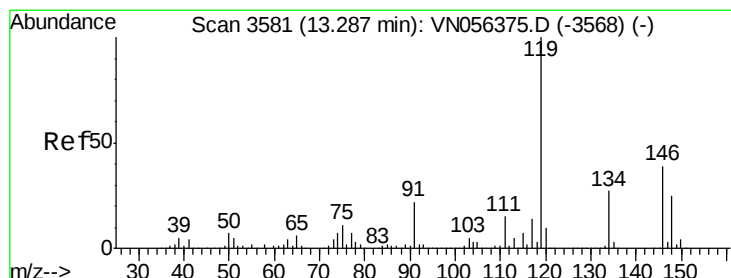
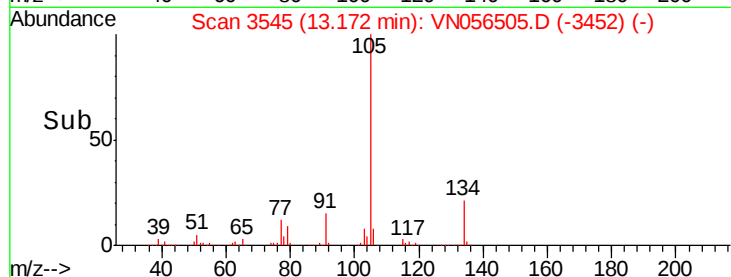
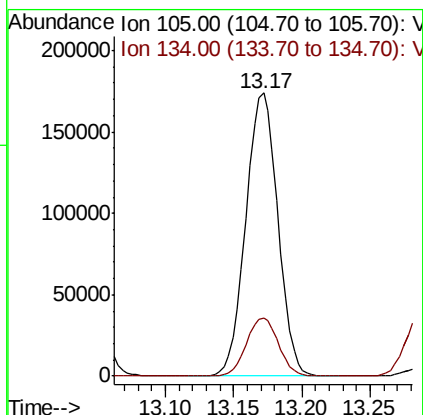
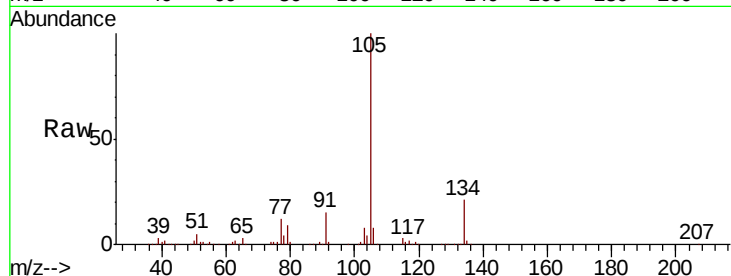




#85
 sec-Butylbenzene
 Concen: 20.013 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

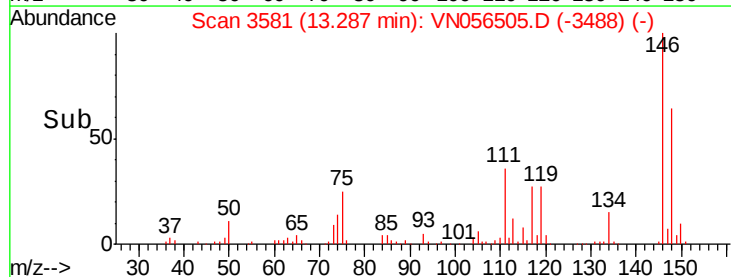
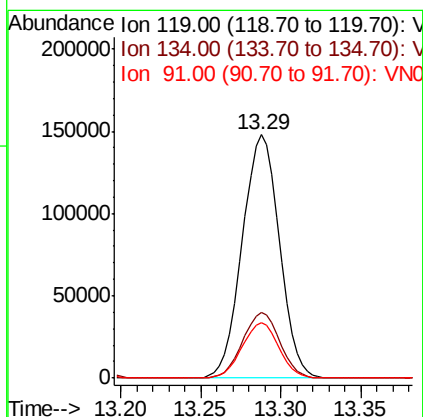
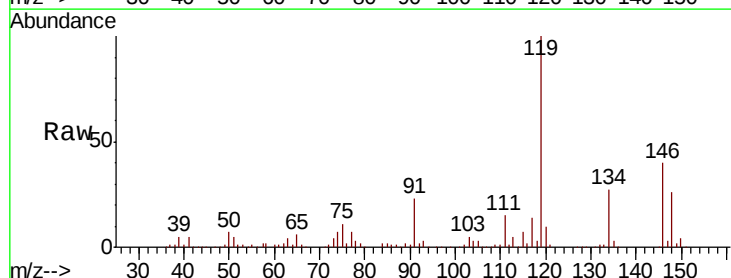
Instrument :
 MSVOA_N
 ClientSampled :

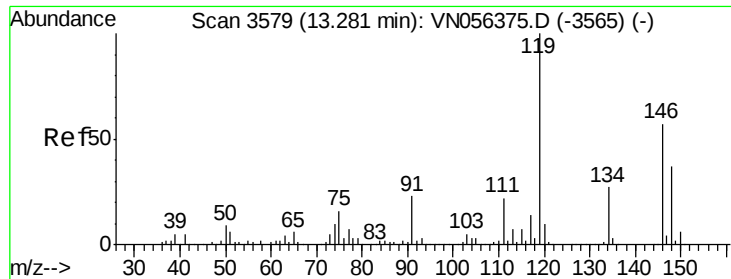
Tot Ion:105 Resp: 283632
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 19.334 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion:119 Resp: 235166
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.5 40.4
 91 22.4 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.273 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

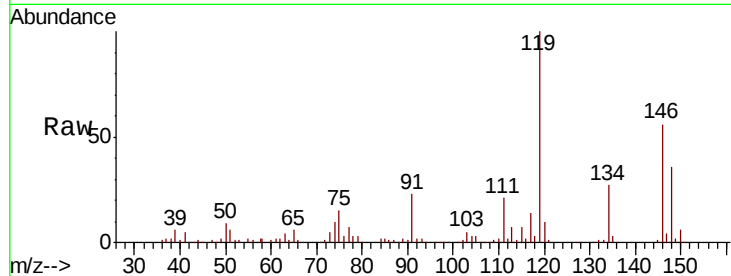
Tot Ion:146 Resp: 114995

Ion Ratio Lower Upper

146 100

111 37.7 18.9 56.9

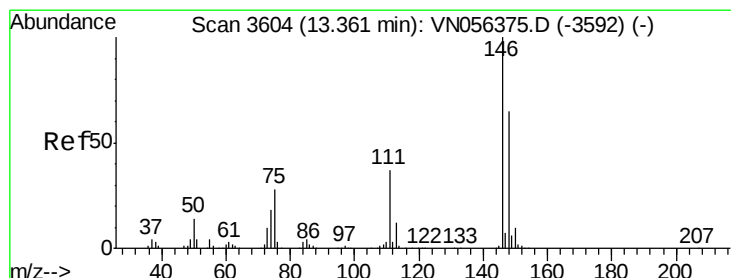
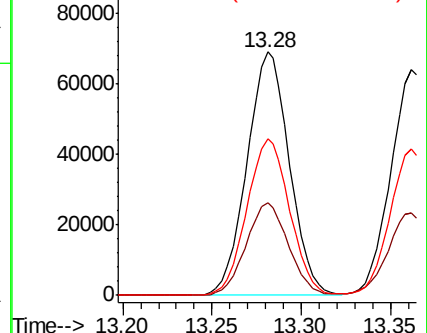
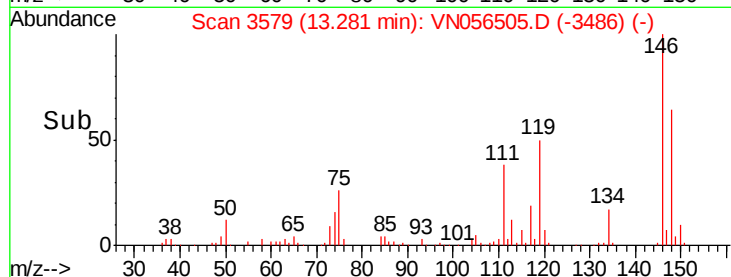
148 64.9 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.740 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

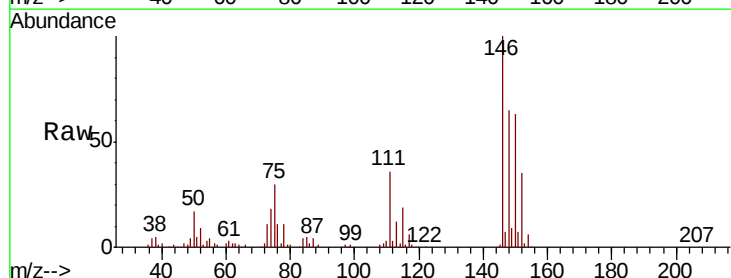
Tgt Ion:146 Resp: 108289

Ion Ratio Lower Upper

146 100

111 38.0 18.4 55.4

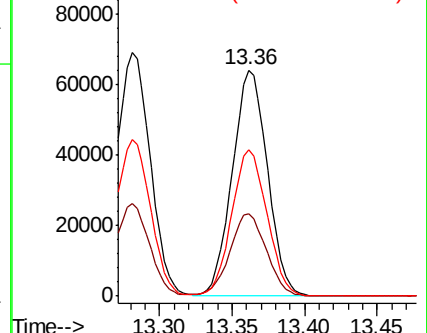
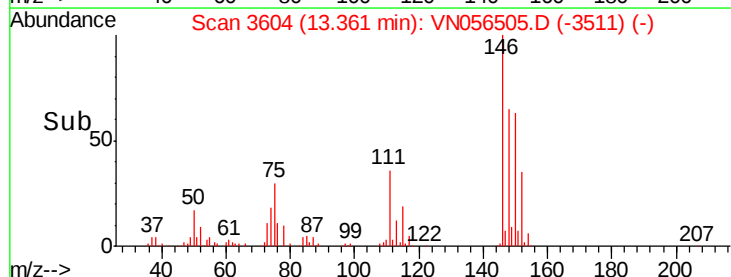
148 65.0 32.4 97.0

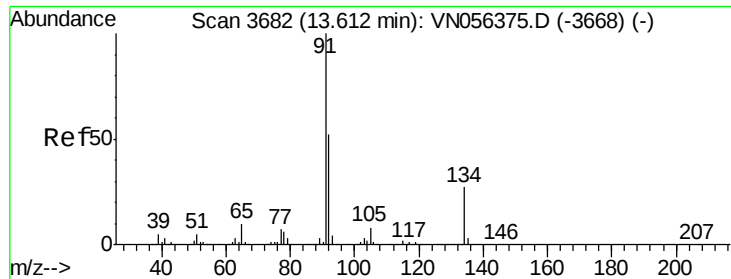


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 16.704 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

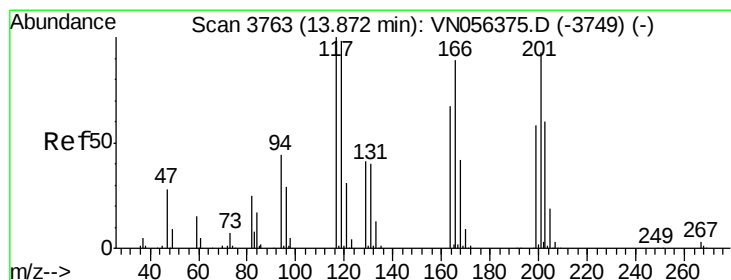
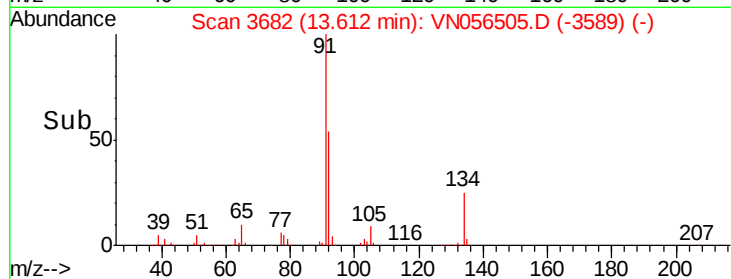
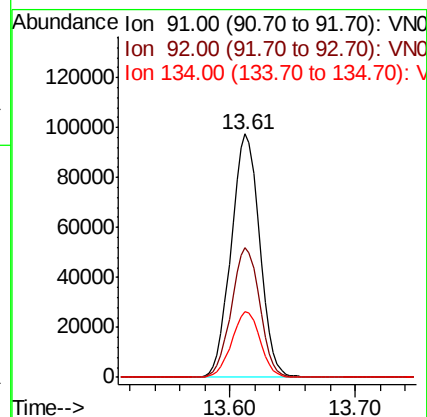
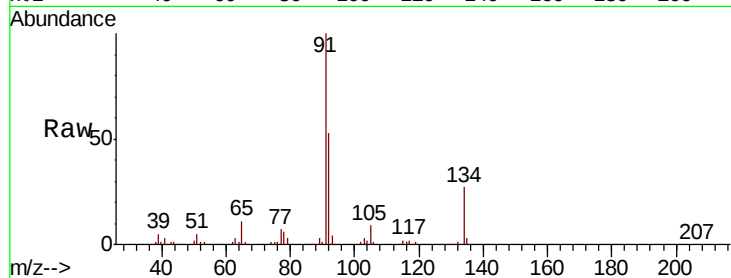
Tot Ion: 91 Resp: 153809

Ion Ratio Lower Upper

91 100

92 52.7 26.2 78.5

134 26.9 13.4 40.2



#90

Hexachloroethane

Concen: 20.987 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN056505.D

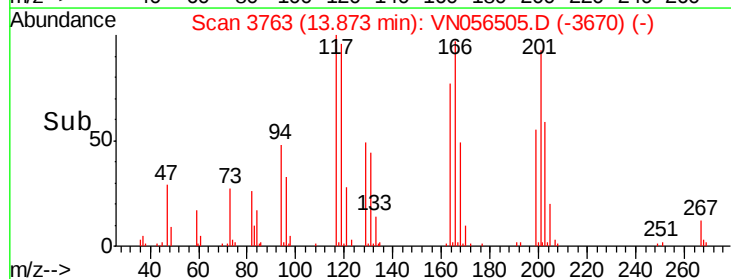
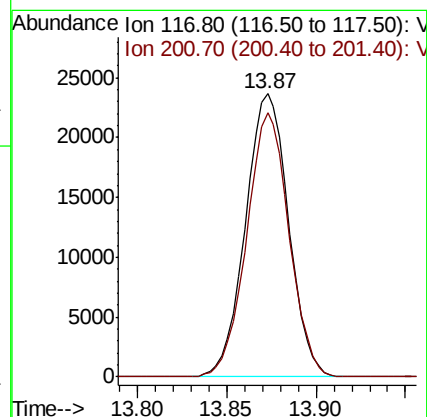
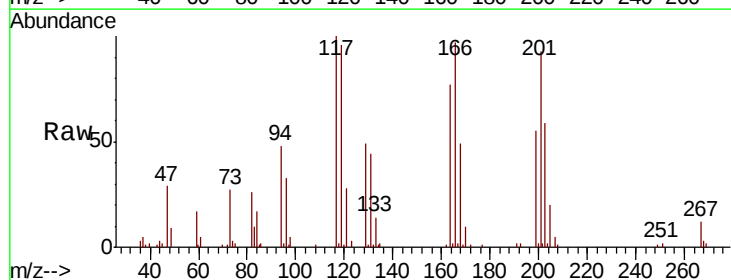
Acq: 26 Jun 2019 14:47

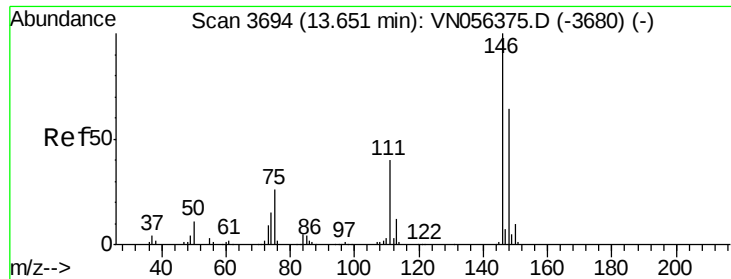
Tgt Ion: 117 Resp: 39797

Ion Ratio Lower Upper

117 100

201 91.8 45.9 137.6





#91

1,2-Dichlorobenzene

Concen: 20.053 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampled :

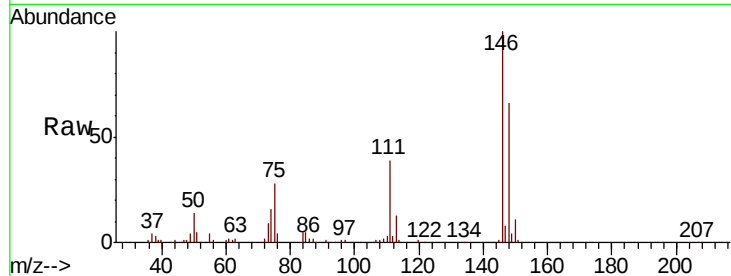
Tot Ion:146 Resp: 118707

Ion Ratio Lower Upper

146 100

111 38.3 19.3 57.9

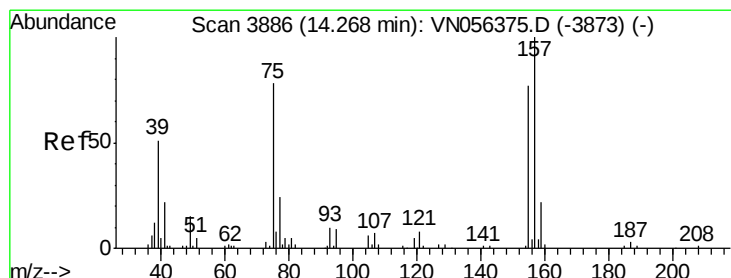
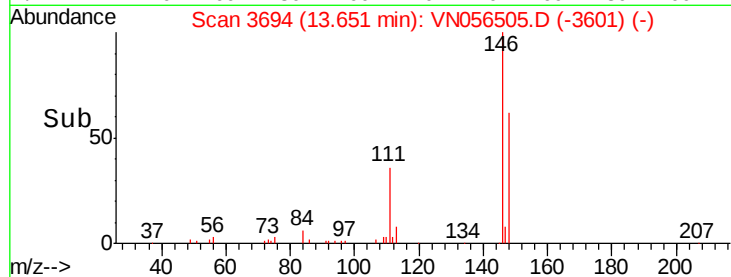
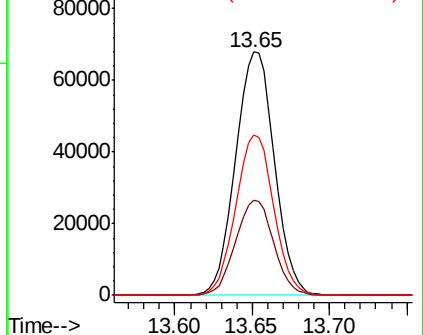
148 64.5 32.0 96.0



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: 20.019 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

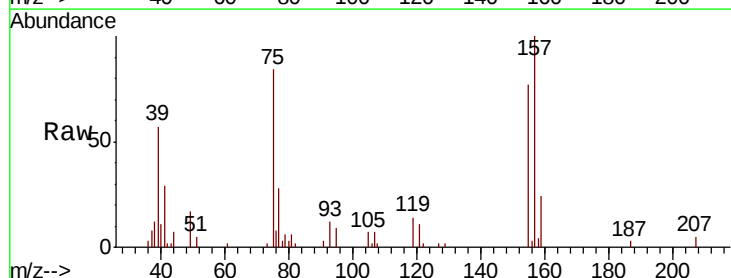
Tgt Ion: 75 Resp: 13043

Ion Ratio Lower Upper

75 100

155 96.8 48.9 146.8

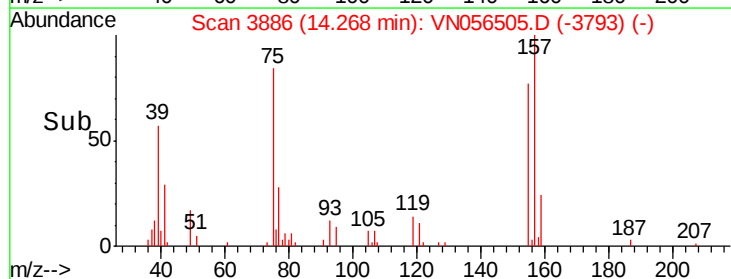
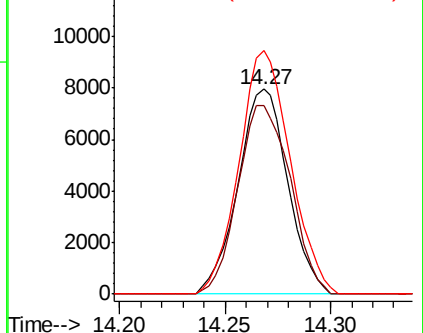
157 122.3 62.9 188.8

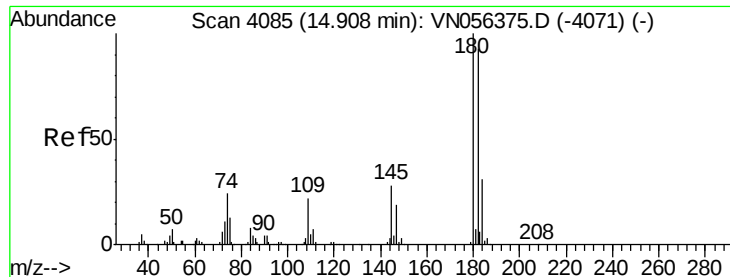


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

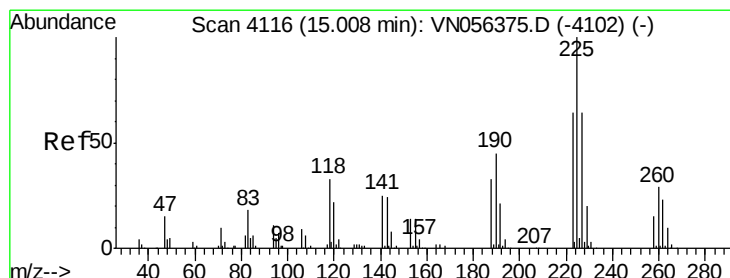
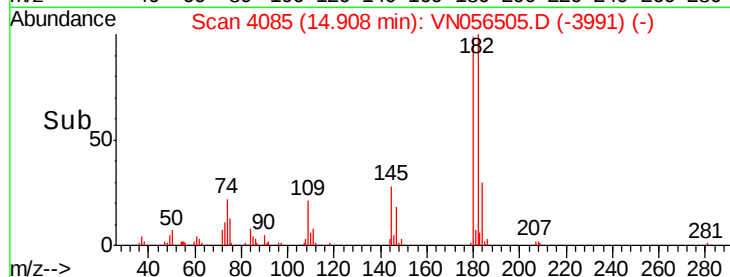
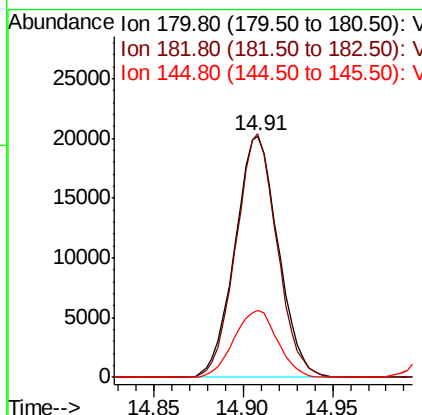
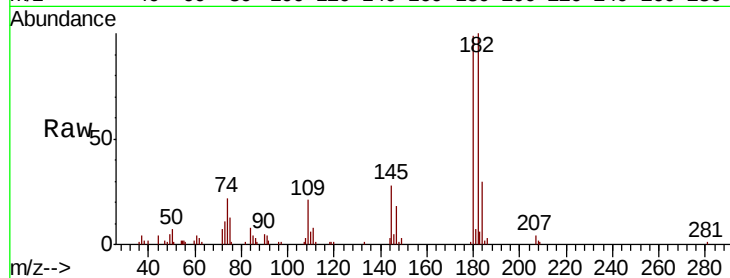




#93
 1,2,4-Trichlorobenzene
 Concen: 15.443 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

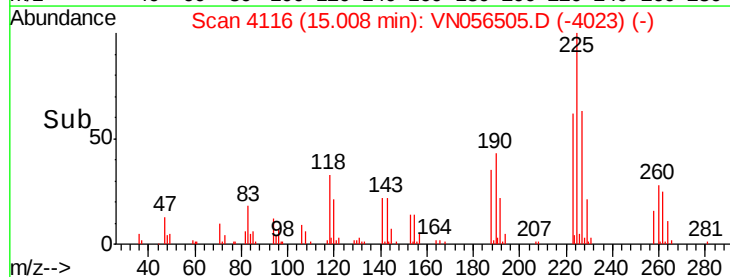
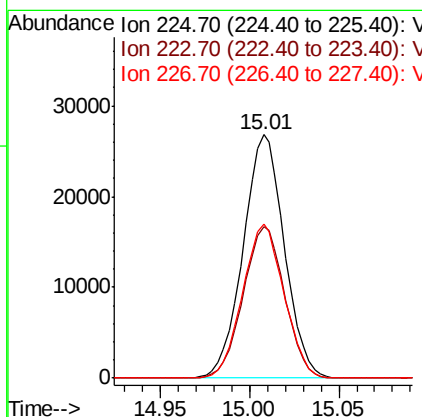
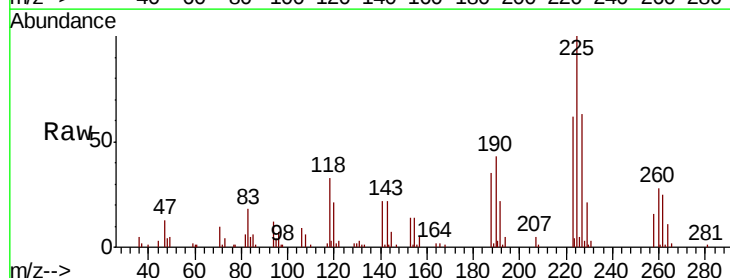
Instrument :
 MSVOA_N
 ClientSampled :

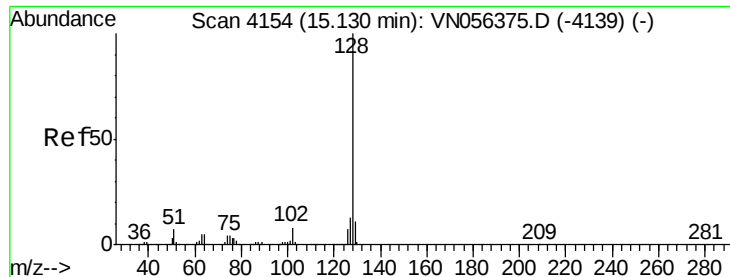
Tot Ion:180 Resp: 34131
 Ion Ratio Lower Upper
 180 100
 182 96.1 46.9 140.6
 145 28.0 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 20.469 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN056505.D
 Acq: 26 Jun 2019 14:47

Tgt Ion:225 Resp: 43288
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.4 94.3
 227 63.3 32.1 96.3





#95

Naphthalene

Concen: 16.198 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

Instrument :

MSVOA_N

ClientSampleId :

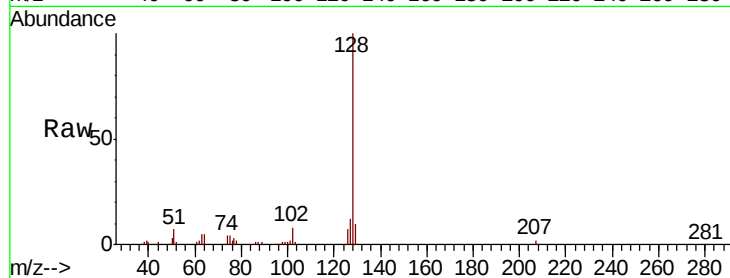
Tot Ion:128 Resp: 98591

Ion Ratio Lower Upper

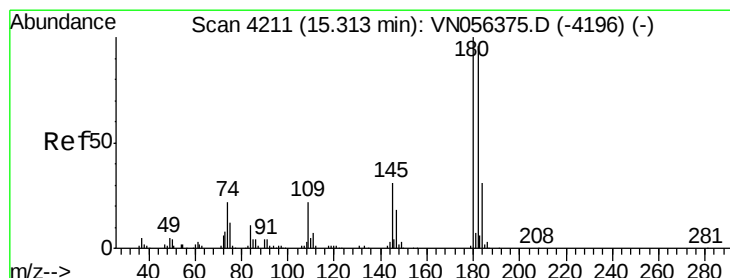
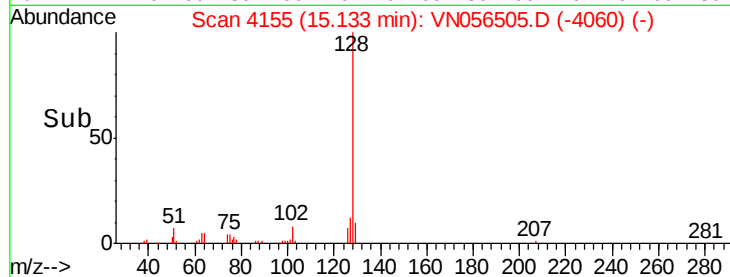
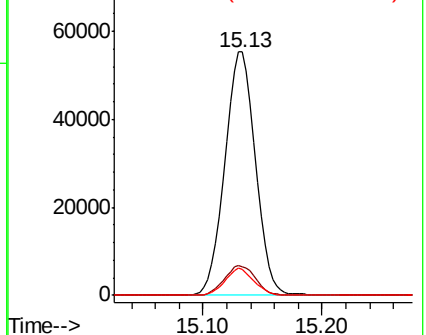
128 100

127 12.2 10.2 15.2

129 10.4 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 16.121 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN056505.D

Acq: 26 Jun 2019 14:47

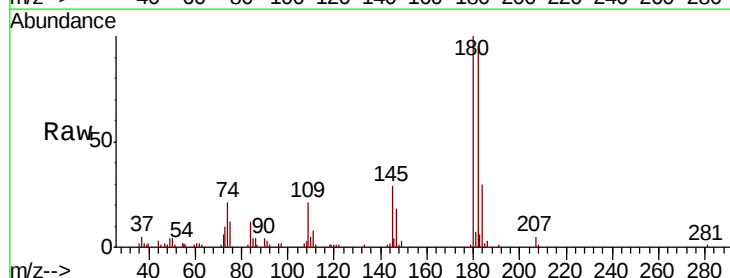
Tgt Ion:180 Resp: 40842

Ion Ratio Lower Upper

180 100

182 96.2 48.3 144.8

145 29.5 15.4 46.1



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

