

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058154.D
 Acq On : 18 Sep 2019 10:05
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 19 01:43:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 01:40:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	606946	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	1008309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	923371	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440174	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	159773	13.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.74%	
35) Dibromofluoromethane	7.58	113	114512	13.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.30%	
50) Toluene-d8	10.08	98	458756	13.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	27.28%	
62) 4-Bromofluorobenzene	12.40	95	162426	12.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	25.12%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	95642	12.334	ug/l 97
3) Chloromethane	2.04	50	79516	10.120	ug/l 96
4) Vinyl Chloride	2.17	62	85467	10.289	ug/l 100
5) Bromomethane	2.55	94	42088	8.575	ug/l 97
6) Chloroethane	2.69	64	57661	10.836	ug/l 96
7) Trichlorofluoromethane	3.00	101	126842	12.004	ug/l 100
8) Diethyl Ether	3.39	74	57621	12.829	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92481	13.697	ug/l 99
10) Methyl Iodide	3.93	142	73573	10.278	ug/l 98
11) Tert butyl alcohol	4.76	59	95412	69.643	ug/l # 86
12) 1,1-Dichloroethene	3.72	96	75284	12.435	ug/l 95
13) Acrolein	3.59	56	13119	12.664	ug/l # 64
14) Allyl chloride	4.30	41	146514	12.306	ug/l 100
15) Acrylonitrile	4.96	53	263852	68.573	ug/l 100
16) Acetone	3.79	43	276694	73.158	ug/l 99
17) Carbon Disulfide	4.03	76	96733	8.765	ug/l 99
18) Methyl Acetate	4.30	43	140672	13.897	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	356388	14.069	ug/l 99
20) Methylene Chloride	4.53	84	102719	12.495	ug/l 97
21) trans-1,2-Dichloroethene	5.01	96	80248	12.261	ug/l 99
22) Diisopropyl ether	5.93	45	390939	14.003	ug/l 97
23) Vinyl Acetate	5.87	43	1384687	70.389	ug/l 100
24) 1,1-Dichloroethane	5.83	63	208116	13.659	ug/l 99
25) 2-Butanone	6.82	43	382334	69.792	ug/l 99
26) 2,2-Dichloropropane	6.81	77	169944	14.055	ug/l 98
27) cis-1,2-Dichloroethene	6.81	96	115458	13.099	ug/l 98
28) Bromochloromethane	7.18	49	90834	11.937	ug/l # 100
29) Tetrahydrofuran	7.19	42	233479	69.158	ug/l 98
30) Chloroform	7.36	83	219260	13.725	ug/l 99
31) Cyclohexane	7.64	56	146204	13.026	ug/l 95
32) 1,1,1-Trichloroethane	7.55	97	173745	13.724	ug/l 99
36) 1,1-Dichloropropene	7.78	75	132011	12.047	ug/l 99
37) Ethyl Acetate	6.91	43	145684	12.826	ug/l 99
38) Carbon Tetrachloride	7.76	117	133548	13.293	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	133723	11.638	ug/l	98
40) Benzene	8.03	78	420246	12.738	ug/l	99
41) Methacrylonitrile	7.19	41	219877	42.693	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	176296	13.317	ug/l	99
43) Isopropyl Acetate	8.15	43	264044	13.818	ug/l #	90
44) Trichloroethene	8.82	130	102026	12.573	ug/l	99
45) 1,2-Dichloropropane	9.11	63	130085	13.500	ug/l	97
46) Dibromomethane	9.20	93	77649	13.349	ug/l	99
47) Bromodichloromethane	9.39	83	163545	14.120	ug/l	97
48) Methyl methacrylate	9.19	41	125292	13.000	ug/l	99
49) 1,4-Dioxane	9.19	88	39571	241.614	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	802896	71.812	ug/l	98
52) Toluene	10.15	92	264689	12.752	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	166170	13.651	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	182758	13.591	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	122551	13.921	ug/l	97
56) Ethyl methacrylate	10.43	69	173920	13.187	ug/l	98
57) 1,3-Dichloropropane	10.71	76	207784	13.692	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	386214	62.769	ug/l	98
59) 2-Hexanone	10.75	43	575541	68.852	ug/l	99
60) Dibromochloromethane	10.90	129	114510	14.029	ug/l	98
61) 1,2-Dibromoethane	11.00	107	111438	13.426	ug/l	99
64) Tetrachloroethene	10.63	164	80680	12.529	ug/l	100
65) Chlorobenzene	11.43	112	306469	13.481	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	113492	14.351	ug/l	99
67) Ethyl Benzene	11.51	91	540334	13.576	ug/l	100
68) m/p-Xylenes	11.62	106	401832	27.572	ug/l	98
69) o-Xylene	11.95	106	195694	13.548	ug/l	99
70) Styrene	11.97	104	348035	14.003	ug/l	99
71) Bromoform	12.13	173	70504	14.353	ug/l #	100
73) Isopropylbenzene	12.25	105	562516	17.052	ug/l	99
74) N-amyl acetate	12.07	43	230089	16.117	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	185115	16.677	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	218116	22.837	ug/l #	100
77) Bromobenzene	12.53	156	134686	16.288	ug/l	96
78) n-propylbenzene	12.60	91	653621	17.280	ug/l	99
79) 2-Chlorotoluene	12.68	91	391160	16.321	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	481047	17.240	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41883	15.501	ug/l	93
82) 4-Chlorotoluene	12.78	91	409025	16.617	ug/l	99
83) tert-Butylbenzene	13.00	119	422052	17.022	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	482120	17.048	ug/l	100
85) sec-Butylbenzene	13.18	105	563329	17.165	ug/l	99
86) p-Isopropyltoluene	13.29	119	507686	17.581	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	254001	16.816	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	249452	16.214	ug/l	97
89) n-Butylbenzene	13.62	91	469149	17.144	ug/l	100
90) Hexachloroethane	13.88	117	72531	16.794	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	253674	16.765	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	32818	17.826	ug/l	94

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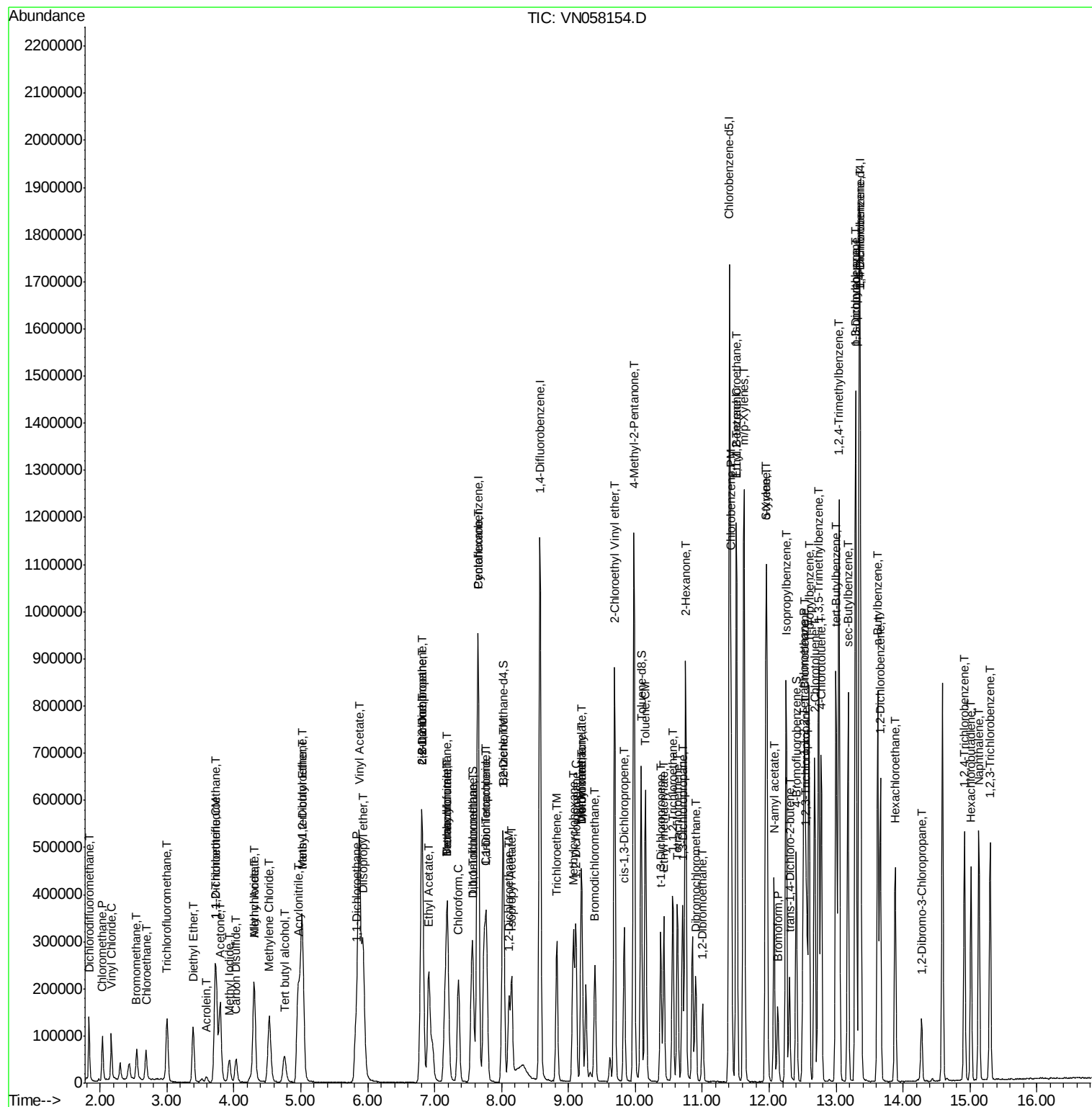
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	157929	15.796	ug/l	100
94) Hexachlorobutadiene	15.01	225	80346	18.743	ug/l	97
95) Naphthalene	15.13	128	424679	14.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	149361	15.273	ug/l	100

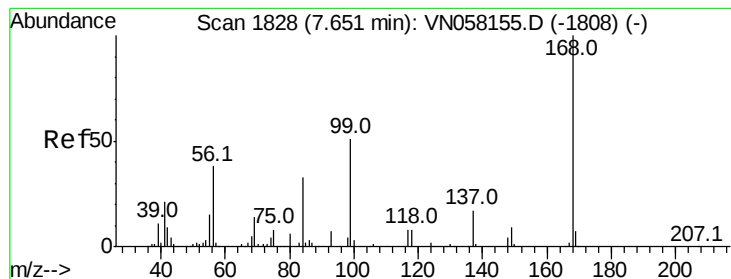
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

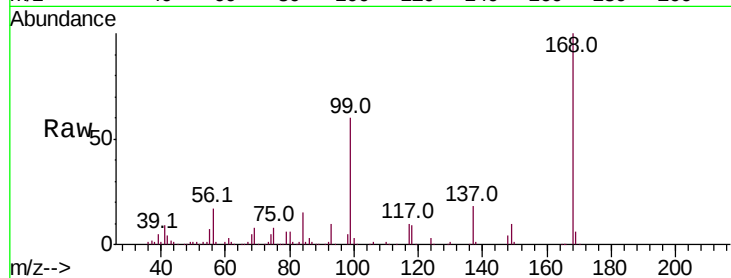
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 606946

Ion Ratio Lower Upper

168 100

99 59.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

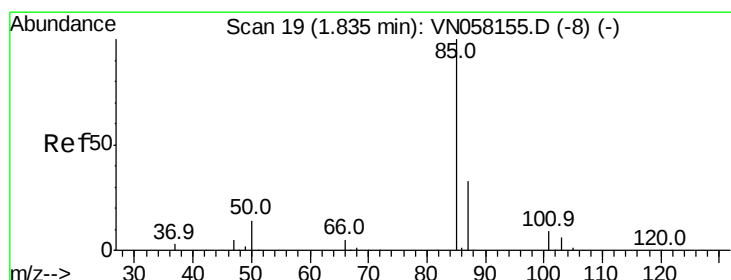
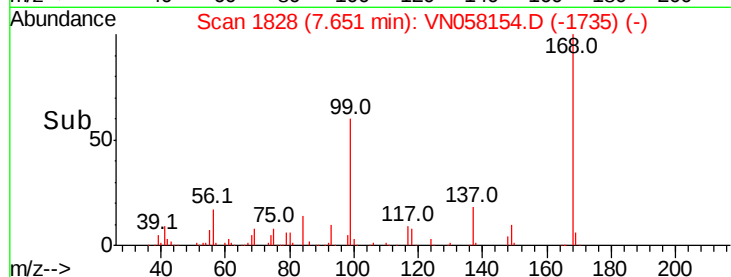
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 12.334 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058154.D

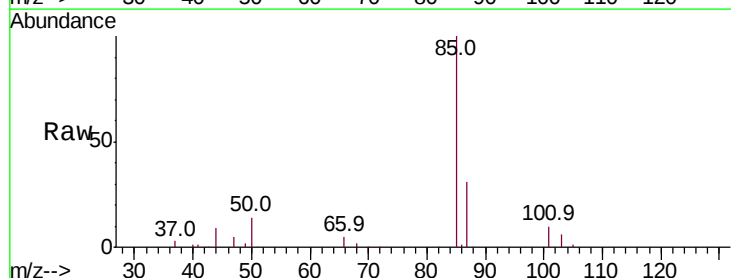
Acq: 18 Sep 2019 10:05

Tgt Ion: 85 Resp: 95642

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): VN

1.83

80000

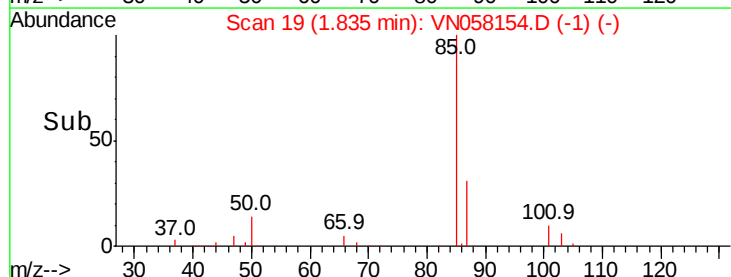
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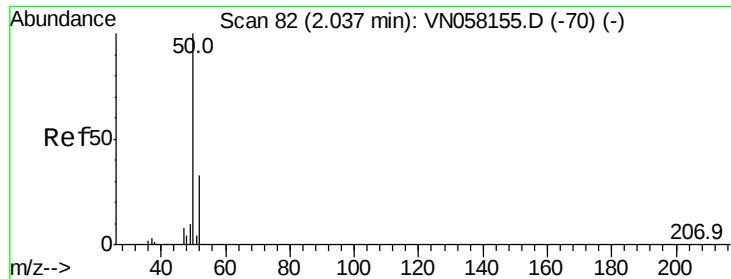
40000

20000

0

Time-->





#3

Chloromethane

Concen: 10.120 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

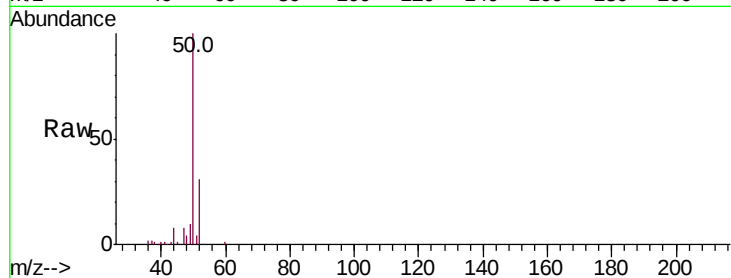
ClientSampled :

Tot Ion: 50 Resp: 79516

Ion Ratio Lower Upper

50 100

52 30.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

60000

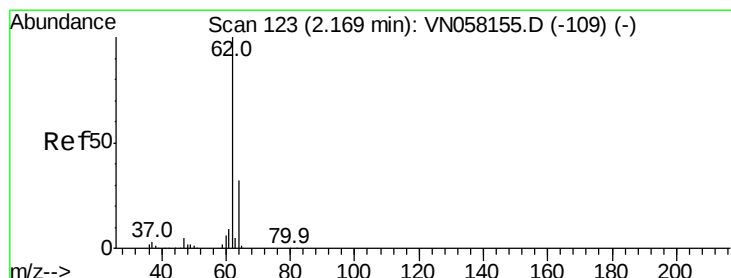
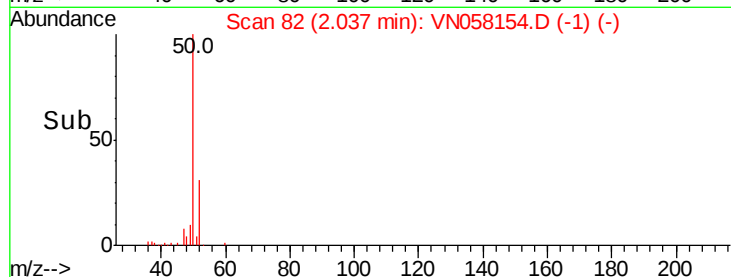
40000

20000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 10.289 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058154.D

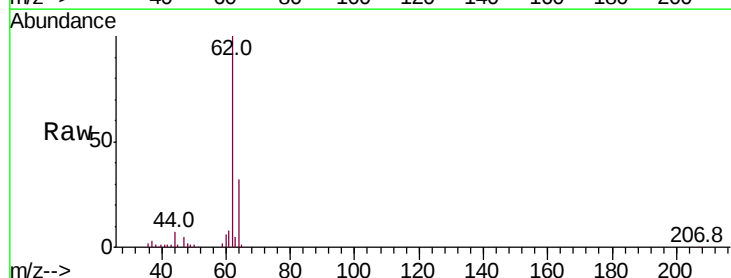
Acq: 18 Sep 2019 10:05

Tgt Ion: 62 Resp: 85467

Ion Ratio Lower Upper

62 100

64 31.6 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

60000

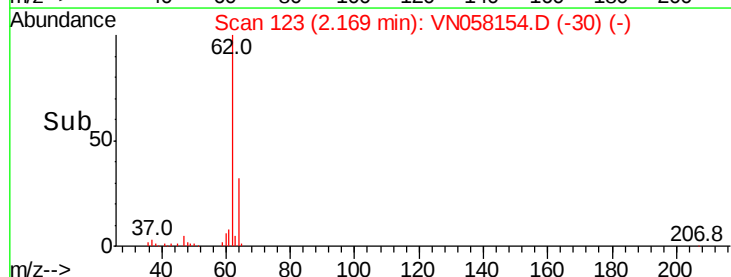
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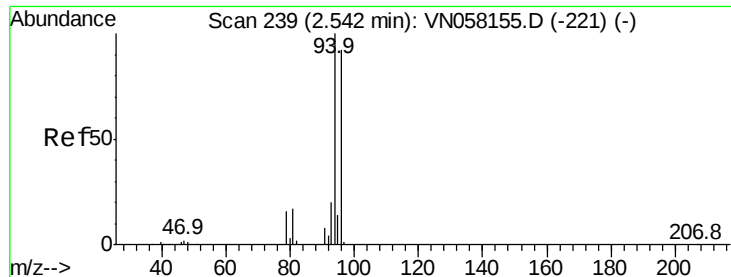
20000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 8.575 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

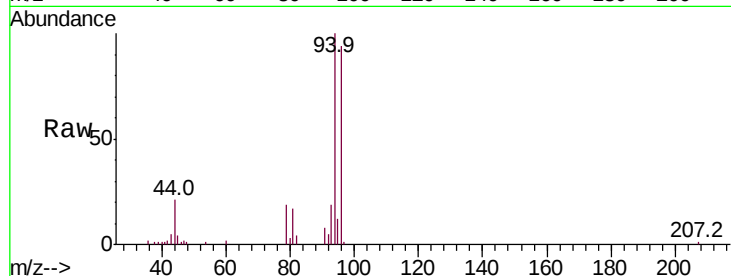
ClientSampleId :

Tot Ion: 94 Resp: 42088

Ion Ratio Lower Upper

94 100

96 94.4 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN058155.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN058155.D (-221) (-)

2.55

25000

20000

15000

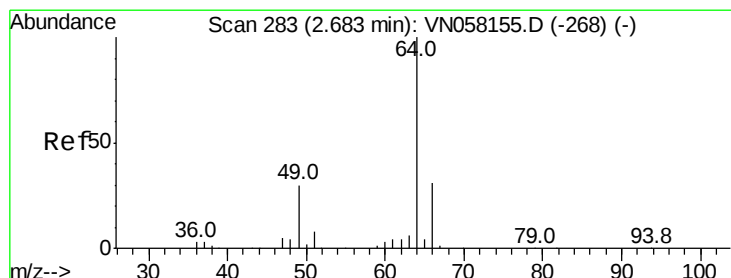
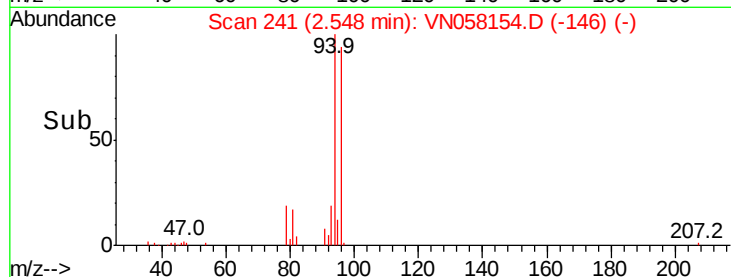
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 10.836 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058154.D

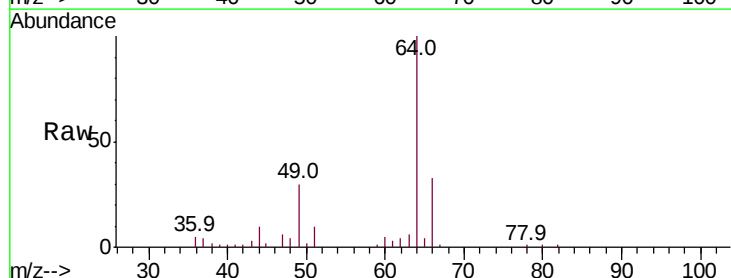
Acq: 18 Sep 2019 10:05

Tgt Ion: 64 Resp: 57661

Ion Ratio Lower Upper

64 100

66 33.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN058155.D (-268) (-)

Ion 65.90 (65.60 to 66.60): VN058155.D (-268) (-)

2.69

30000

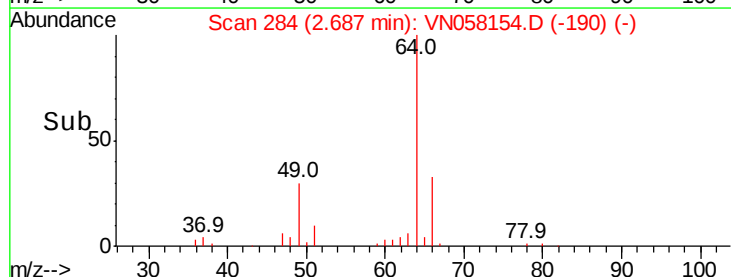
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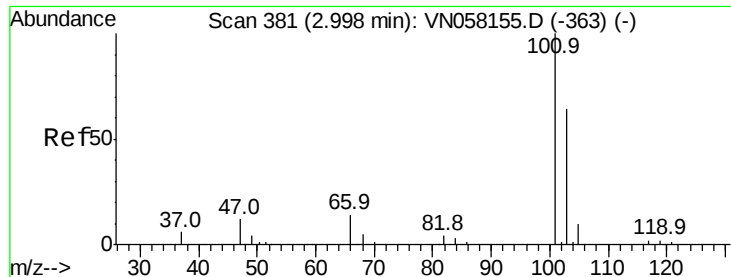
10000

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Time-->

2.60 2.65 2.70 2.75 2.80



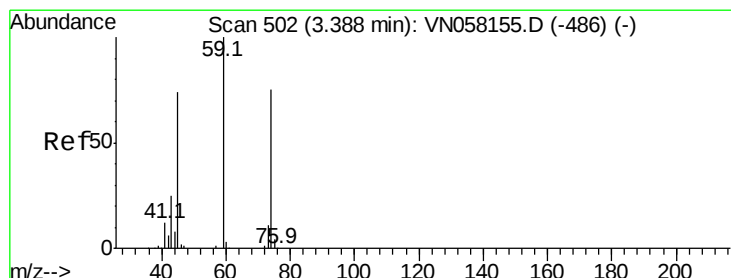
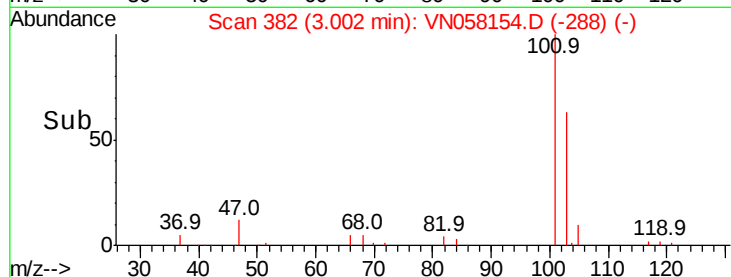
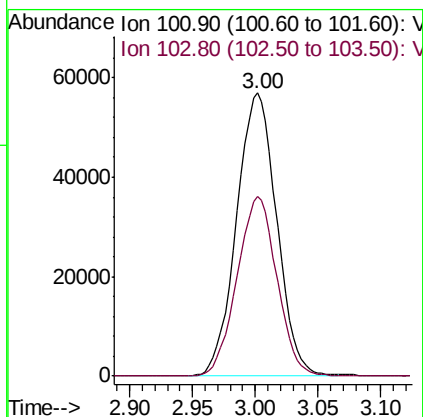
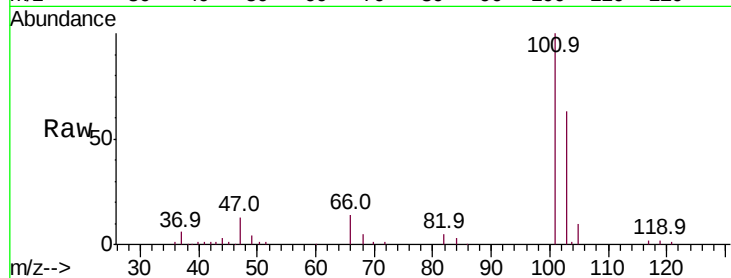


#7

Trichlorofluoromethane
Concen: 12.004 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

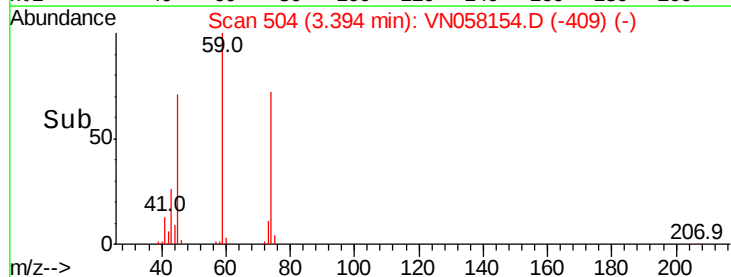
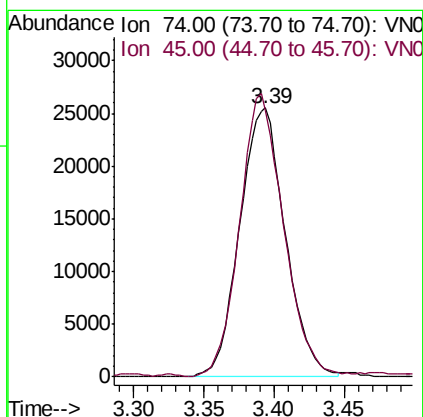
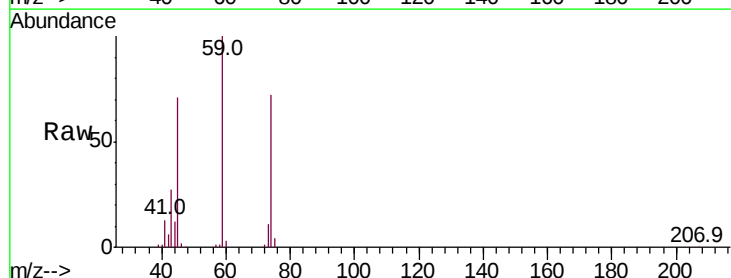
Tot Ion:101 Resp: 126842
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.6

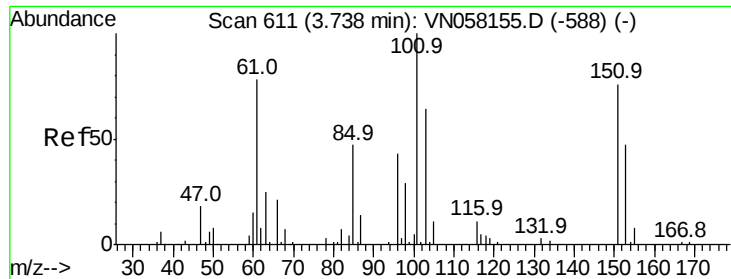


#8

Diethyl Ether
Concen: 12.829 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 74 Resp: 57621
Ion Ratio Lower Upper
74 100
45 102.1 48.5 145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.697 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampled :

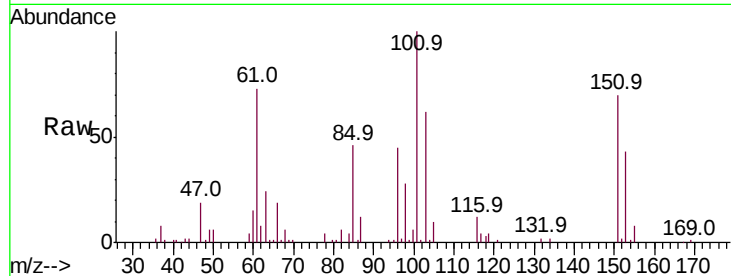
Tot Ion:101 Resp: 92481

Ion Ratio Lower Upper

101 100

85 47.3 37.3 55.9

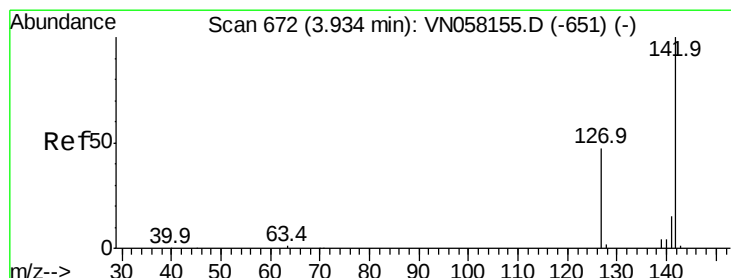
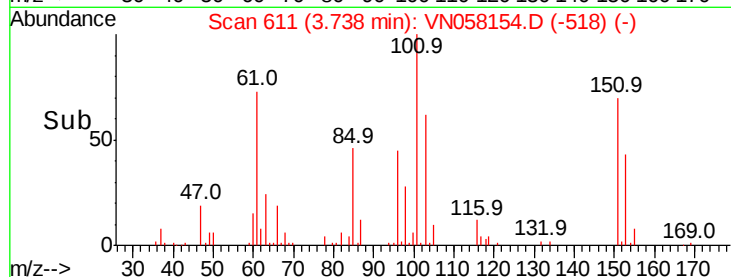
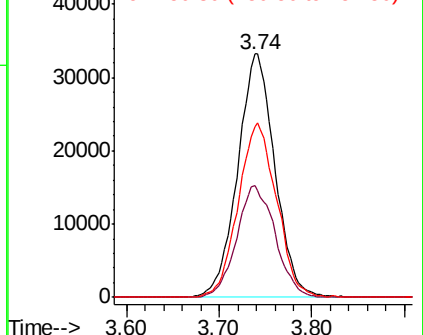
151 73.6 59.6 89.4



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: 10.278 ug/l

RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

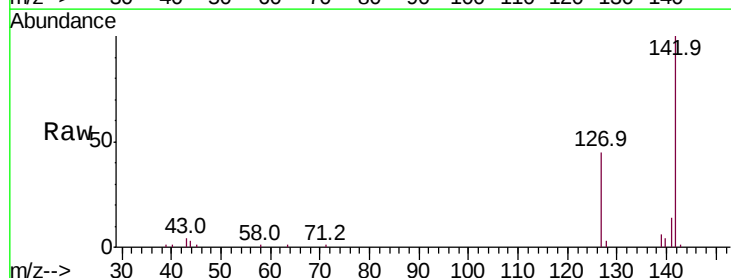
Tgt Ion:142 Resp: 73573

Ion Ratio Lower Upper

142 100

127 44.9 37.5 56.3

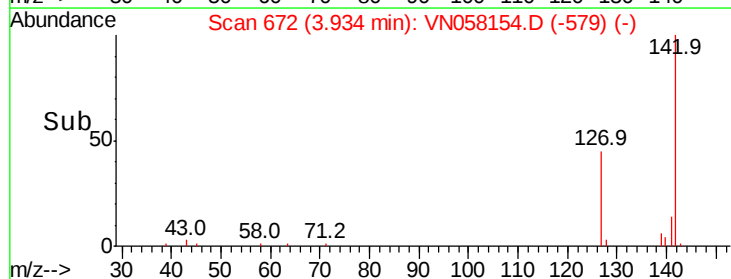
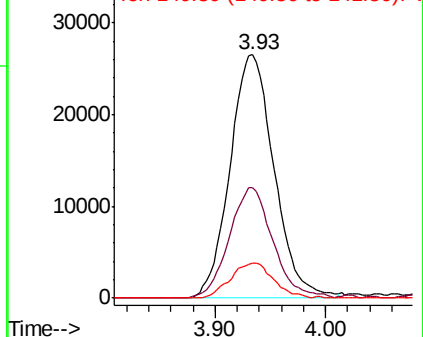
141 14.0 11.4 17.2

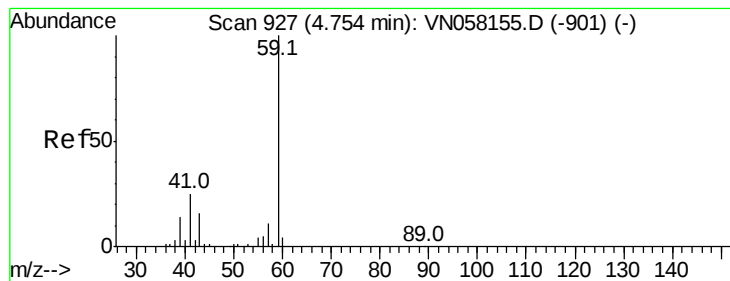


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



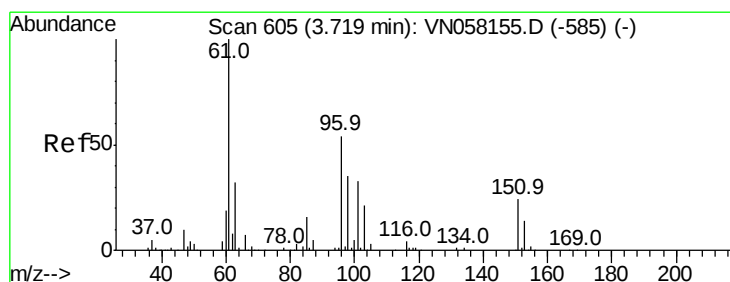
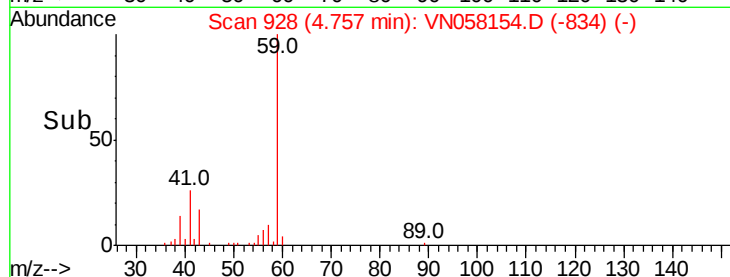
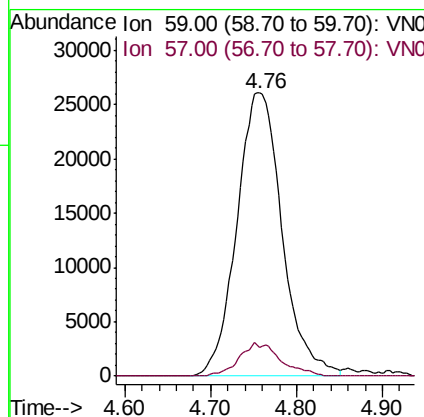
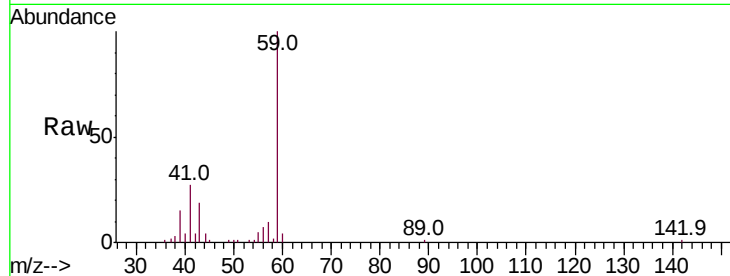


#11

Tert butyl alcohol
Concen: 69.643 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

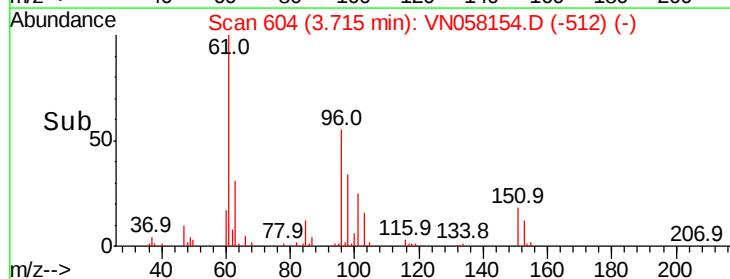
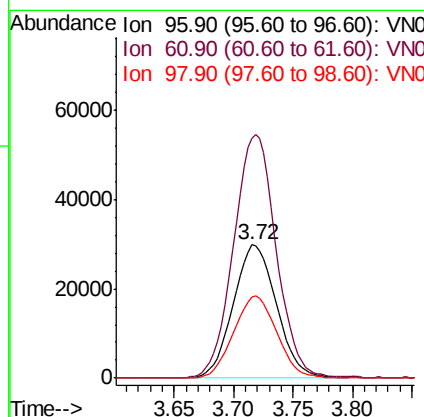
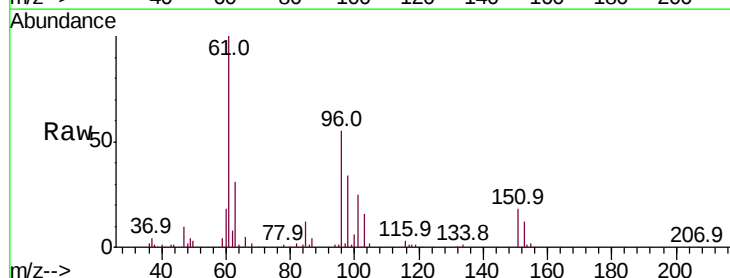
Tot Ion: 59 Resp: 95412
Ion Ratio Lower Upper
59 100
57 5.5 8.6 13.0#

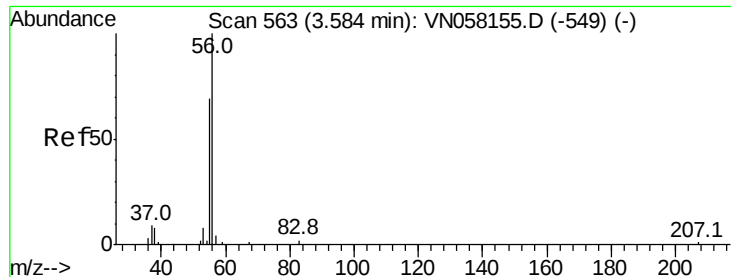


#12

1,1-Dichloroethene
Concen: 12.435 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 96 Resp: 75284
Ion Ratio Lower Upper
96 100
61 179.9 149.5 224.3
98 60.9 52.4 78.6





#13

Acrolein

Concen: 12.664 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

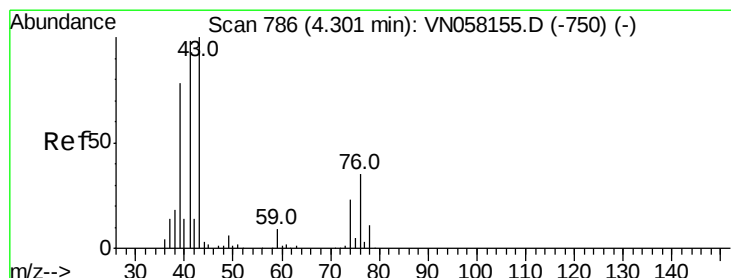
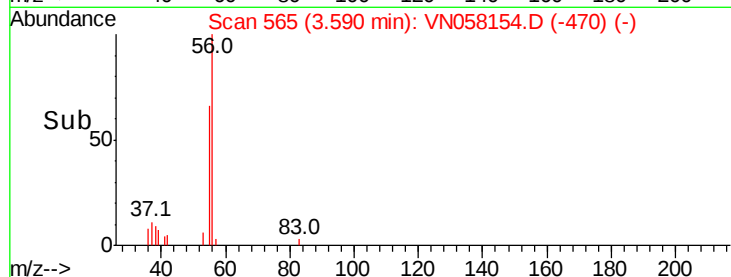
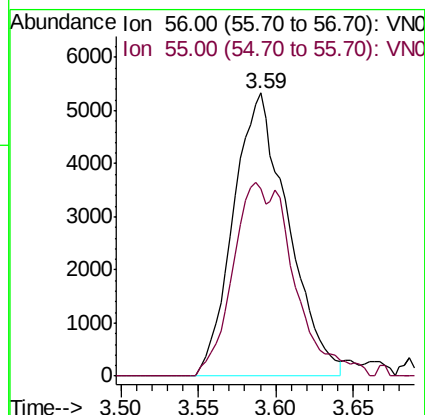
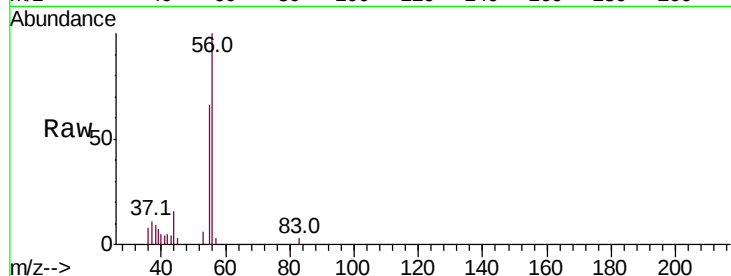
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 13119

Ion Ratio Lower Upper

56 100

55 40.8 56.1 84.1#



#14

Allyl chloride

Concen: 12.306 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

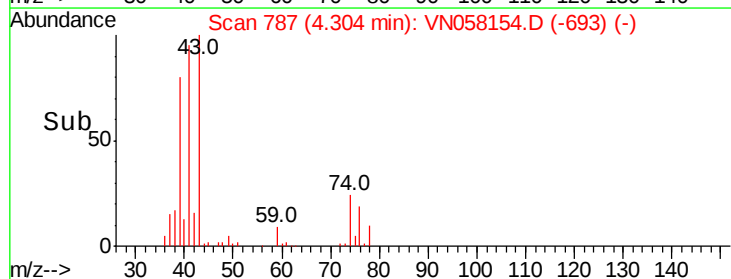
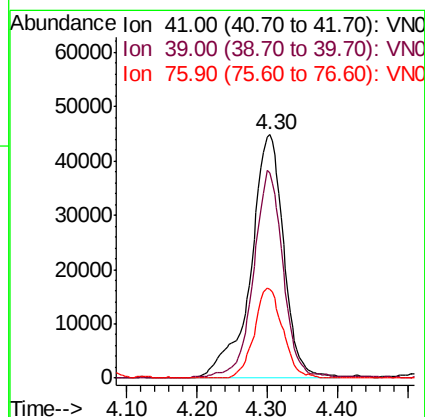
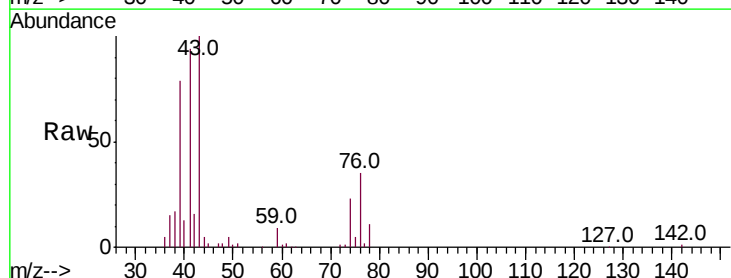
Tgt Ion: 41 Resp: 146514

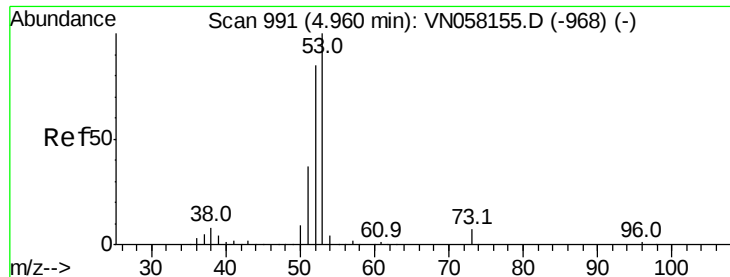
Ion Ratio Lower Upper

41 100

39 73.5 59.1 88.7

76 31.4 25.1 37.7





#15

Acrylonitrile

Concen: 68.573 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

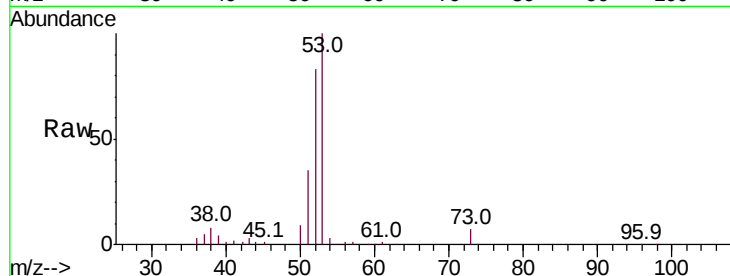
Tot Ion: 53 Resp: 263852

Ion Ratio Lower Upper

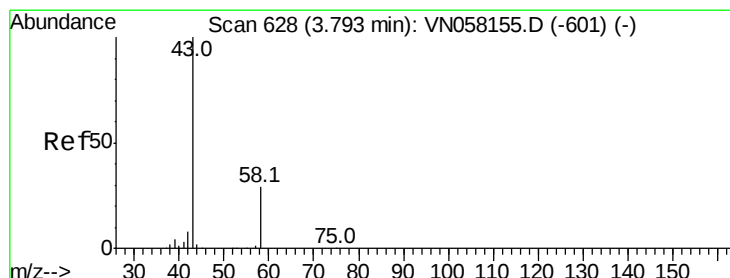
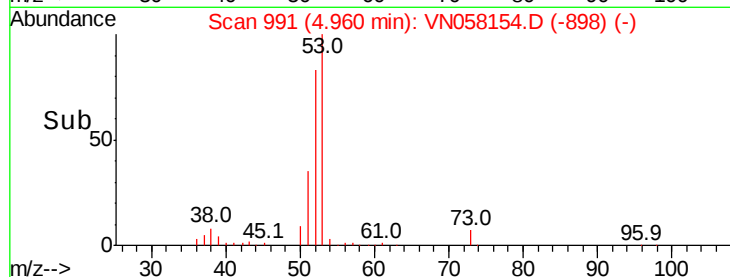
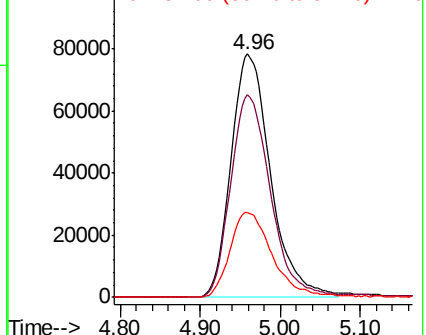
53 100

52 83.7 66.6 100.0

51 37.2 29.7 44.5



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: 73.158 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058154.D

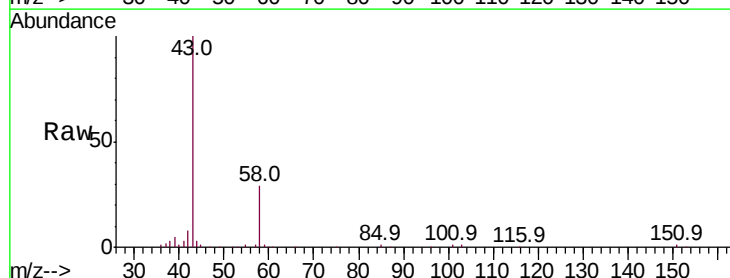
Acq: 18 Sep 2019 10:05

Tgt Ion: 43 Resp: 276694

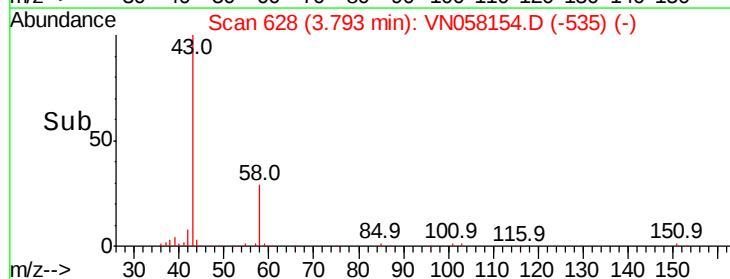
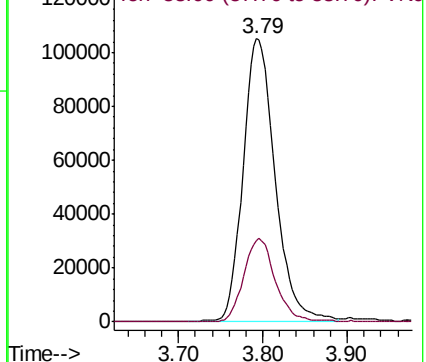
Ion Ratio Lower Upper

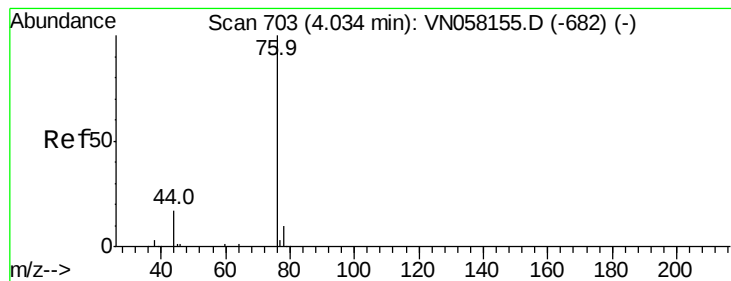
43 100

58 28.8 23.4 35.2



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





#17

Carbon Disulfide

Concen: 8.765 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

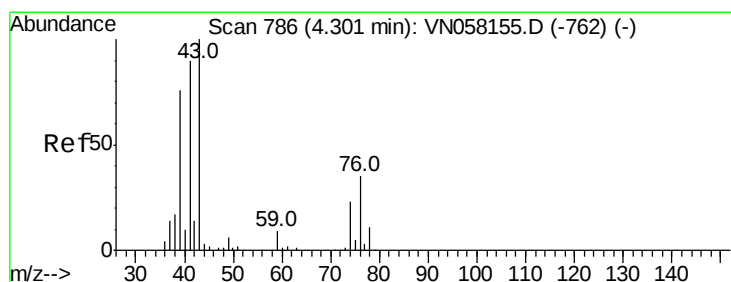
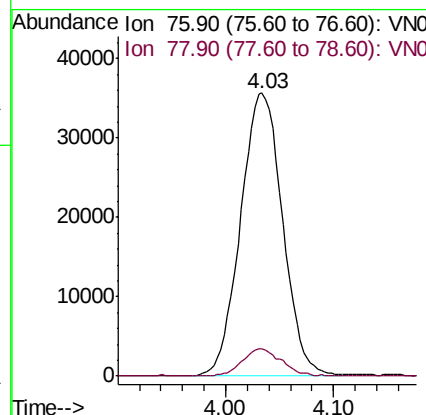
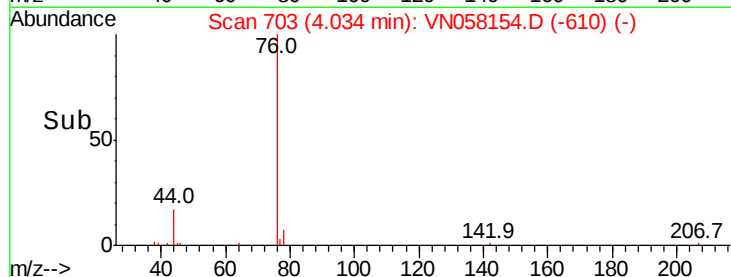
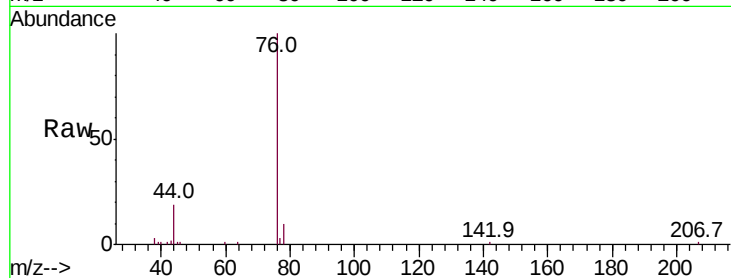
ClientSampled :

Tot Ion: 76 Resp: 96733

Ion Ratio Lower Upper

76 100

78 9.8 7.7 11.5



#18

Methyl Acetate

Concen: 13.897 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058154.D

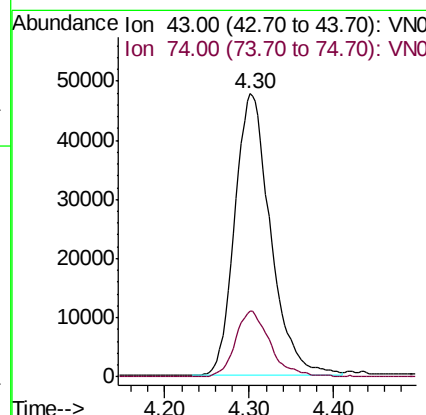
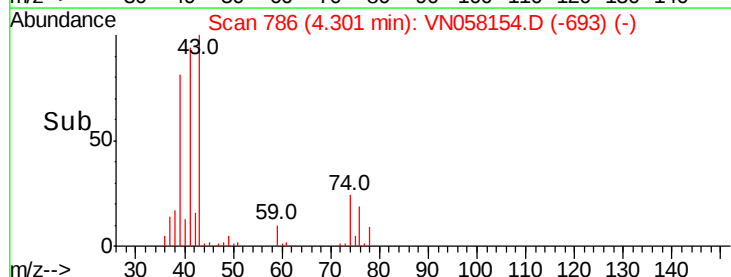
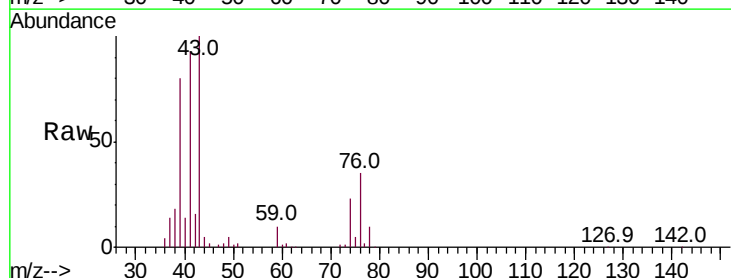
Acq: 18 Sep 2019 10:05

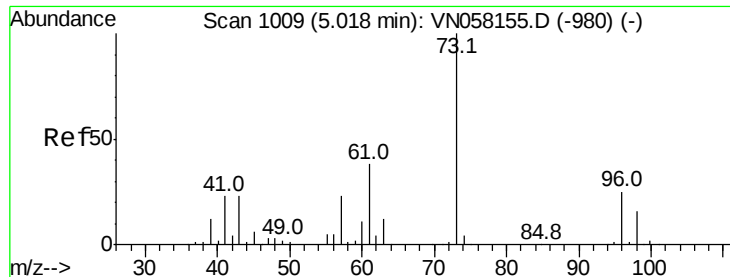
Tgt Ion: 43 Resp: 140672

Ion Ratio Lower Upper

43 100

74 22.6 18.0 27.0

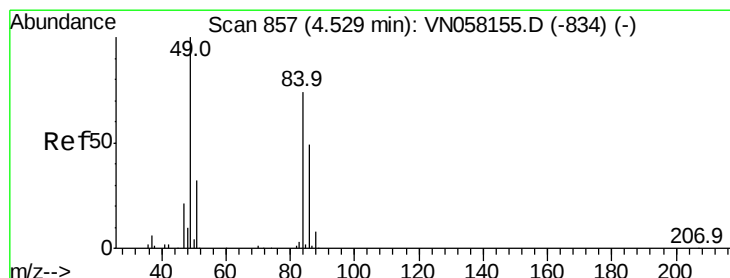
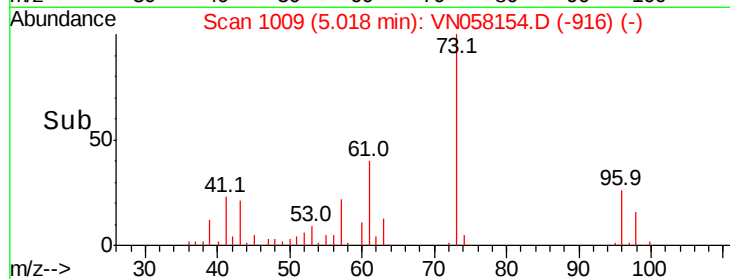
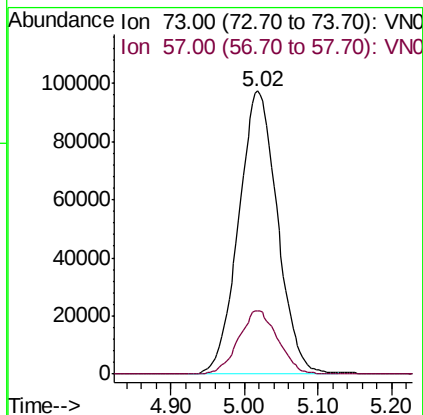
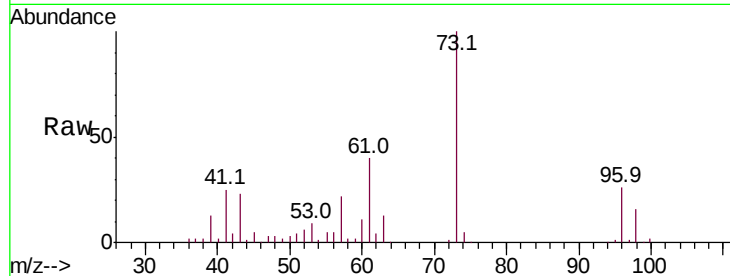




#19
Methvl tert-butvl Ether
Concen: 14.069 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

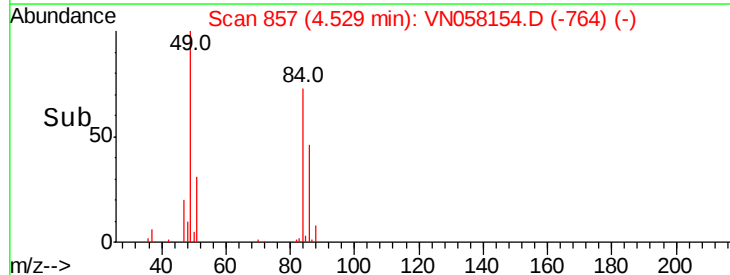
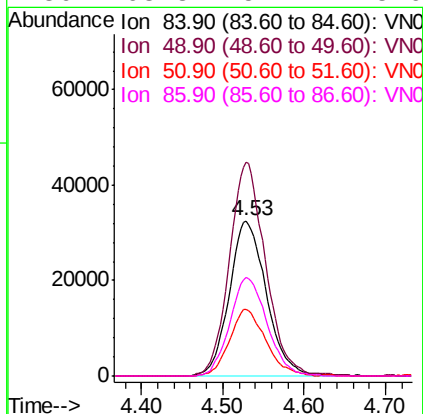
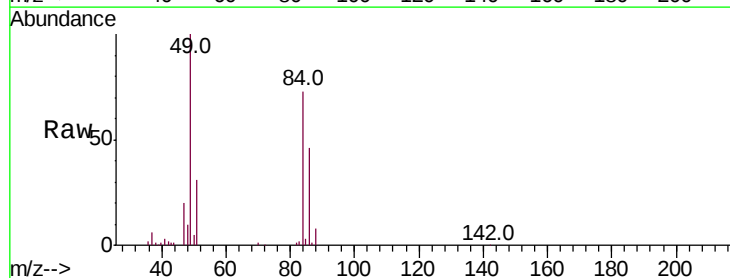
Instrument :
MSVOA_N
ClientSampled :

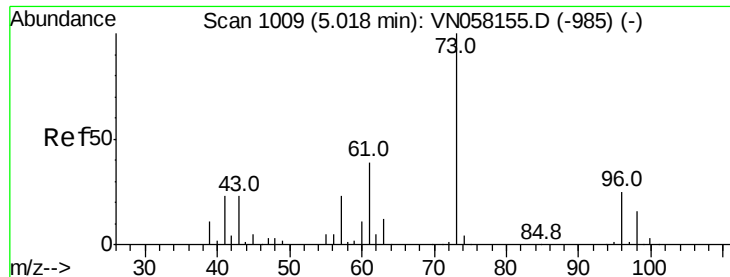
Tot Ion: 73 Resp: 356388
Ion Ratio Lower Upper
73 100
57 22.2 18.1 27.1



#20
Methylene Chloride
Concen: 12.495 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 84 Resp: 102719
Ion Ratio Lower Upper
84 100
49 137.8 107.5 161.3
51 43.0 33.9 50.9
86 63.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 12.261 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

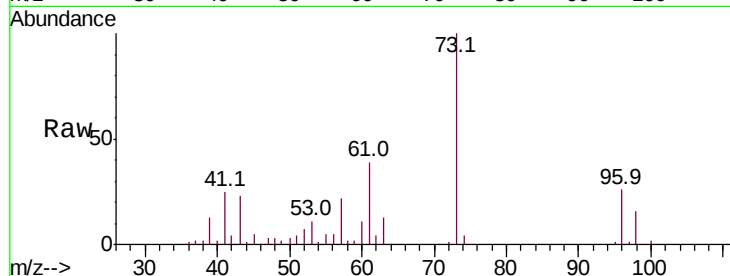
Tot Ion: 96 Resp: 80248

Ion Ratio Lower Upper

96 100

61 151.1 122.2 183.4

98 61.4 49.9 74.9

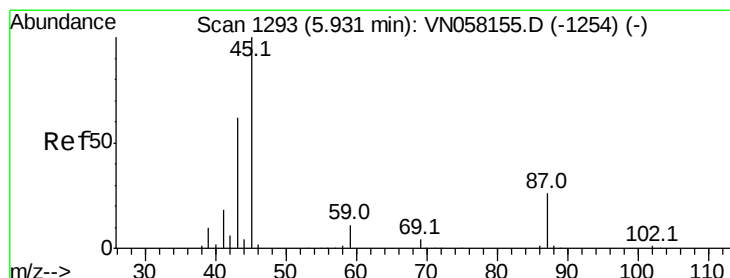
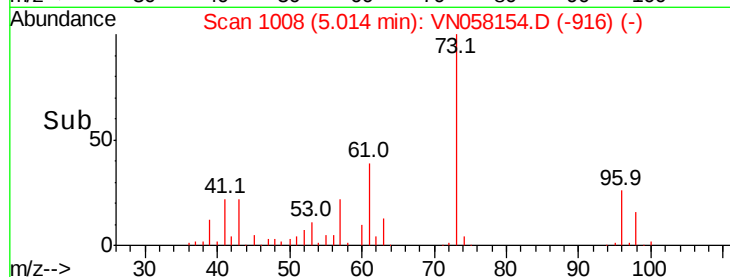
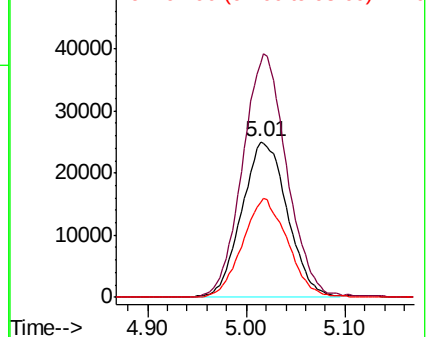


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 14.003 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion: 45 Resp: 390939

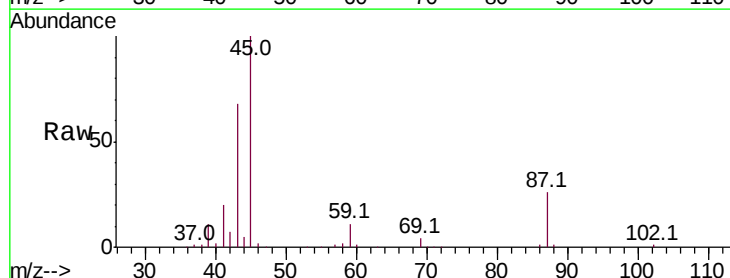
Ion Ratio Lower Upper

45 100

43 66.1 49.7 74.5

87 25.9 20.7 31.1

59 10.6 9.1 13.7



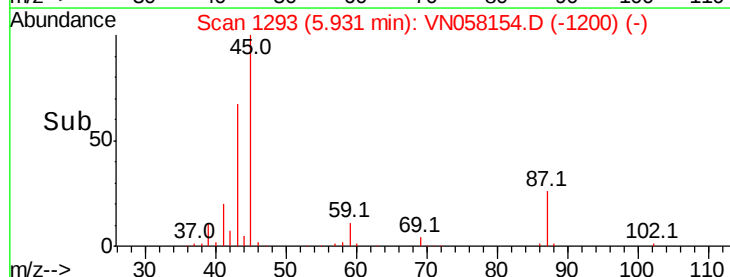
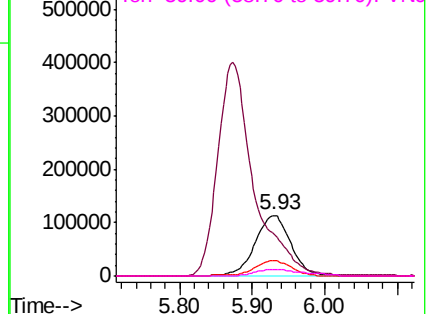
Abundance

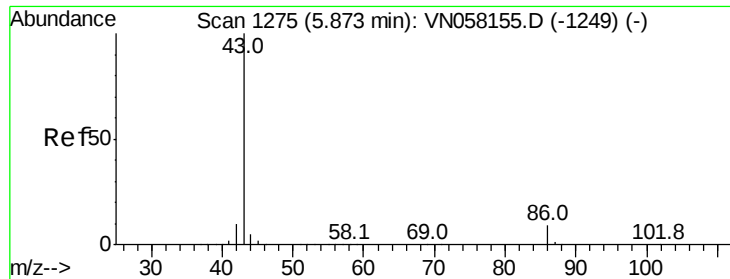
Ion 45.00 (44.70 to 45.70): VN0

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

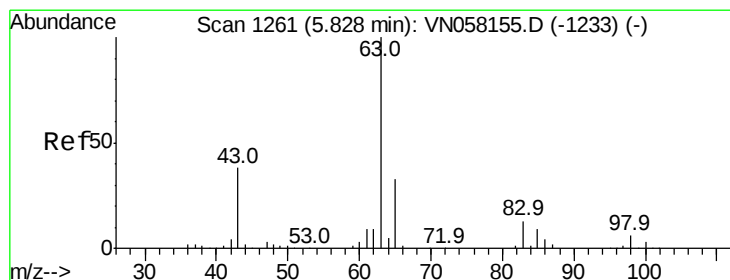
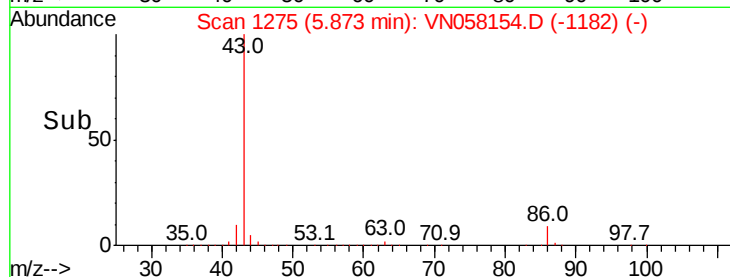
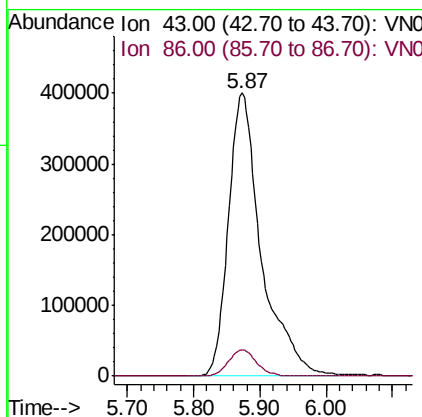
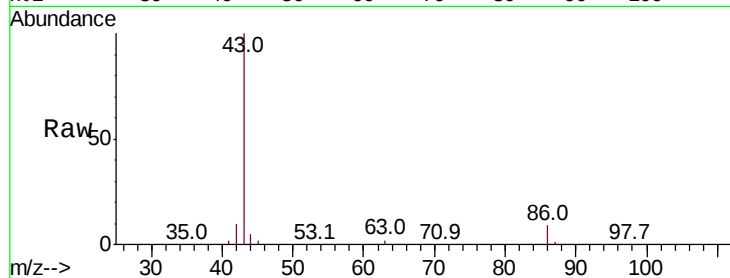




#23
 Vinyl Acetate
 Concen: 70.389 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

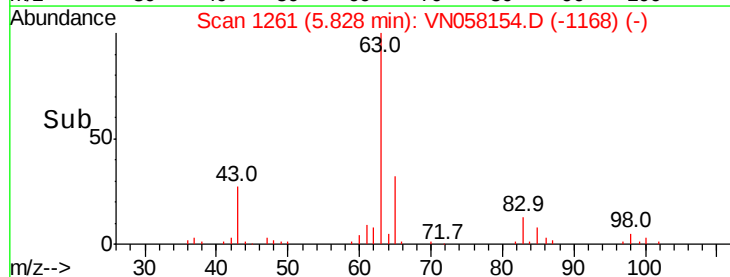
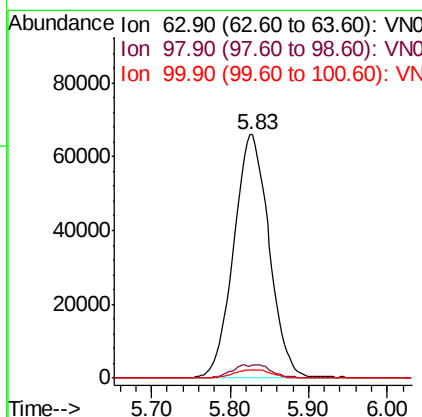
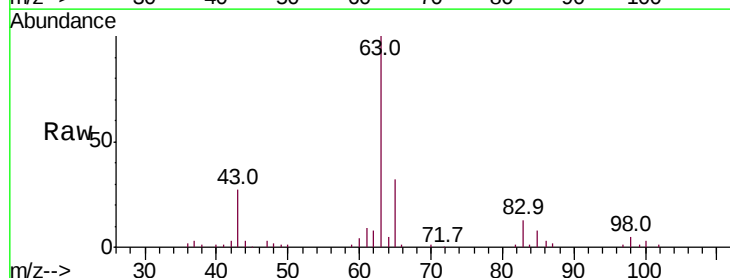
Instrument :
 MSVOA_N
 ClientSampleId :

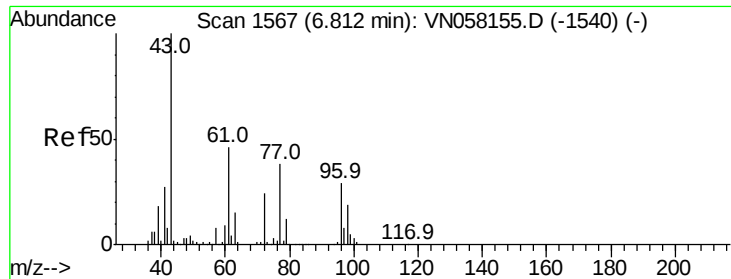
Tot Ion: 43 Resp: 1384687
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2



#24
 1,1-Dichloroethane
 Concen: 13.659 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion: 63 Resp: 208116
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.9 8.6
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 69.792 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

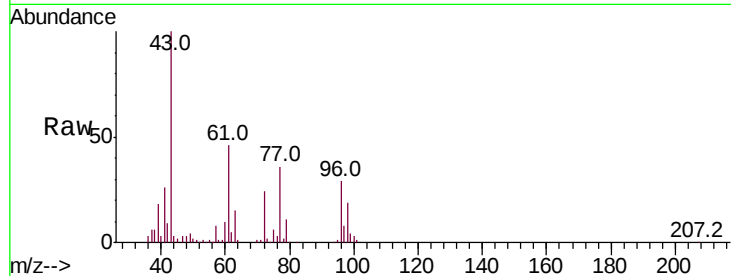
ClientSampled :

Tot Ion: 43 Resp: 382334

Ion Ratio Lower Upper

43 100

72 24.0 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

150000

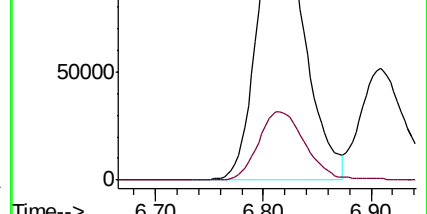
100000

50000

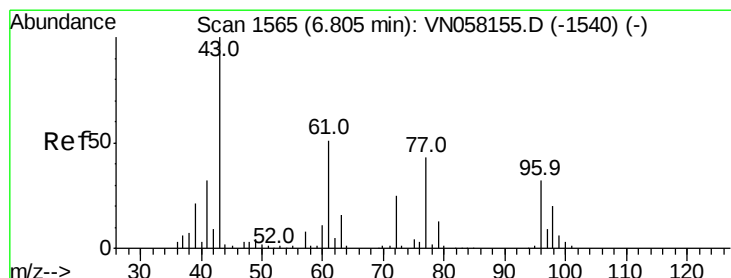
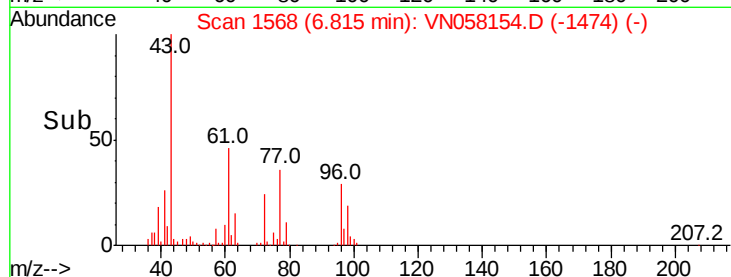
0

6.70 6.80 6.90

6.82



Time-->



#26

2,2-Dichloropropane

Concen: 14.055 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058154.D

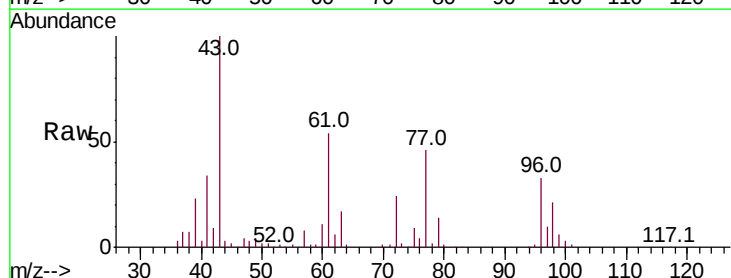
Acq: 18 Sep 2019 10:05

Tgt Ion: 77 Resp: 169944

Ion Ratio Lower Upper

77 100

97 21.9 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

60000

50000

40000

30000

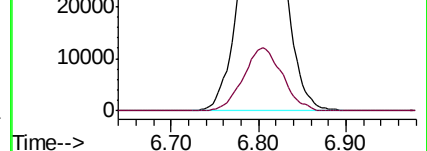
20000

10000

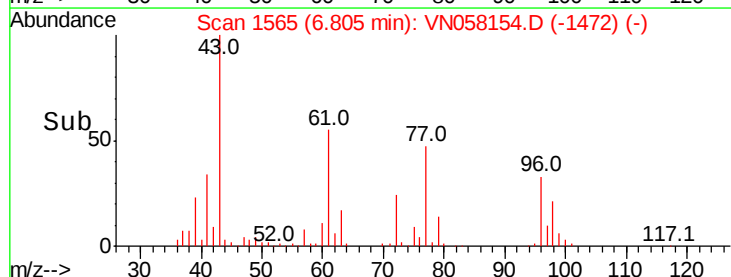
0

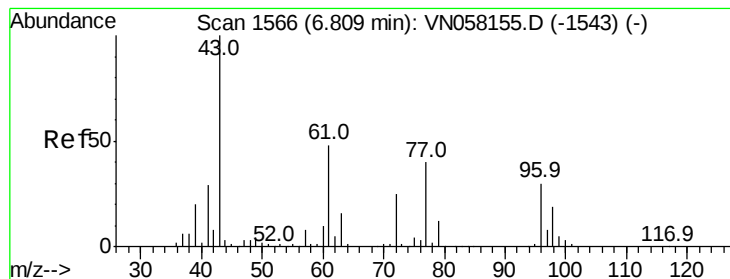
6.70 6.80 6.90

6.81



Time-->





#27

cis-1,2-Dichloroethene

Concen: 13.099 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

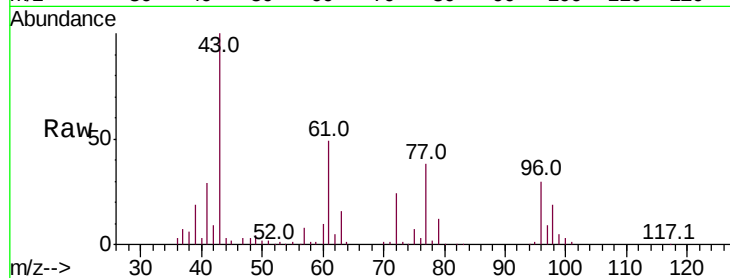
Tot Ion: 96 Resp: 115458

Ion Ratio Lower Upper

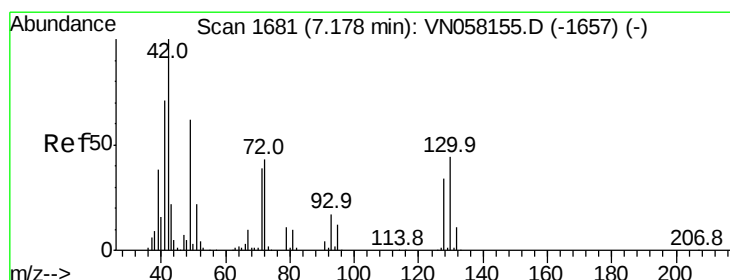
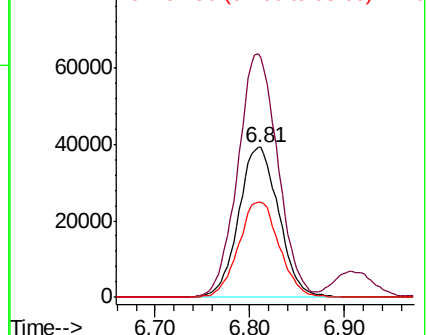
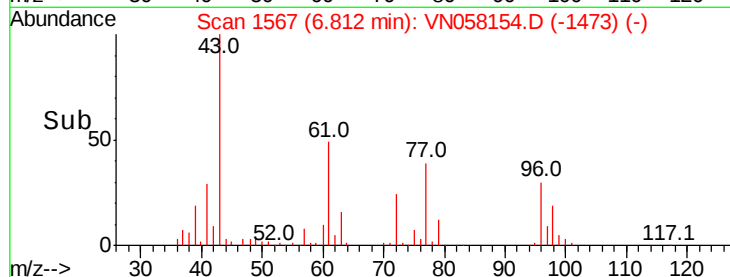
96 100

61 162.0 0.0 319.0

98 64.6 0.0 126.6



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: 11.937 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

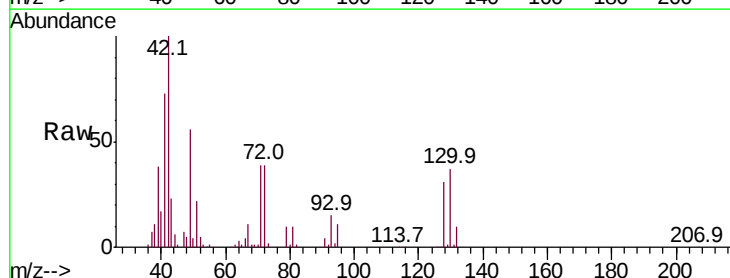
Tgt Ion: 49 Resp: 90834

Ion Ratio Lower Upper

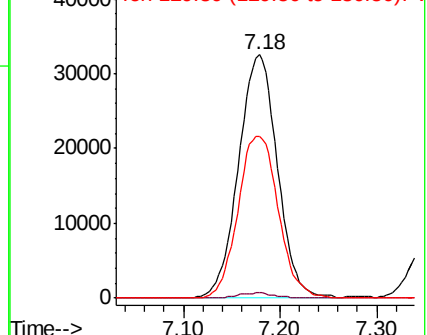
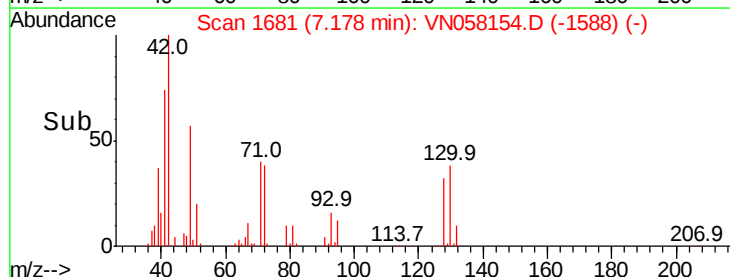
49 100

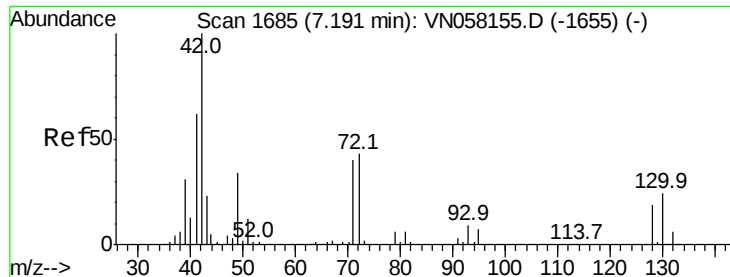
129 1.9 0.0 1.8#

130 69.1 55.4 83.2



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

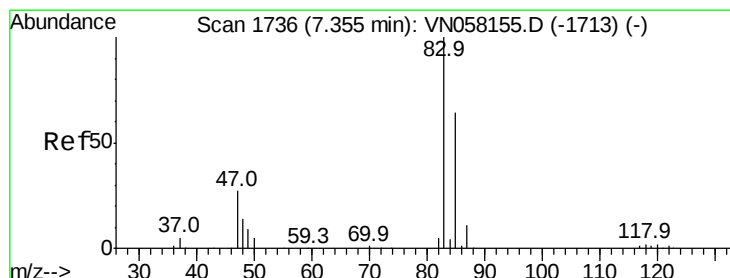
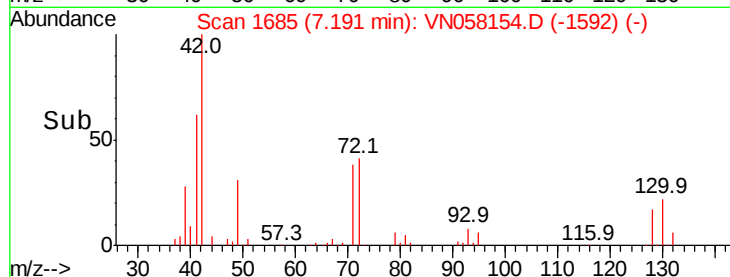
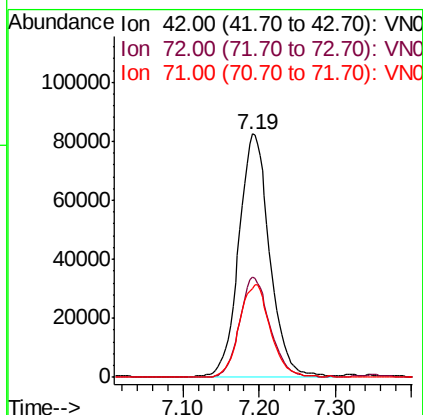
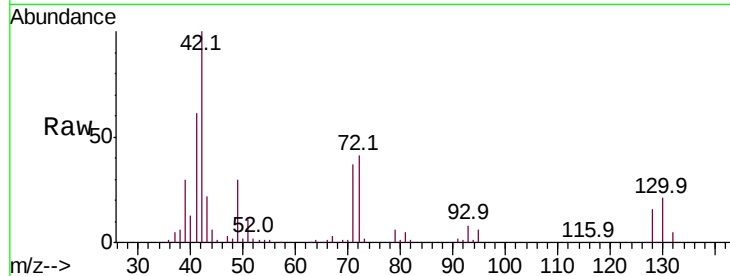




#29
Tetrahydrofuran
Concen: 69.158 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

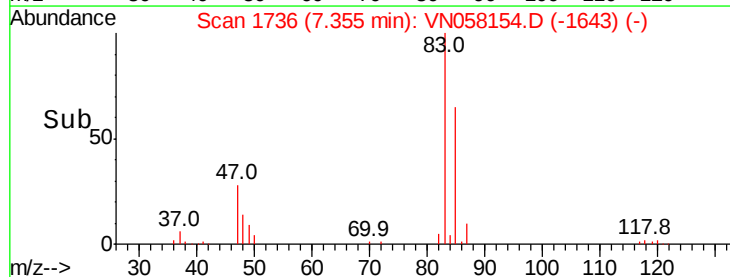
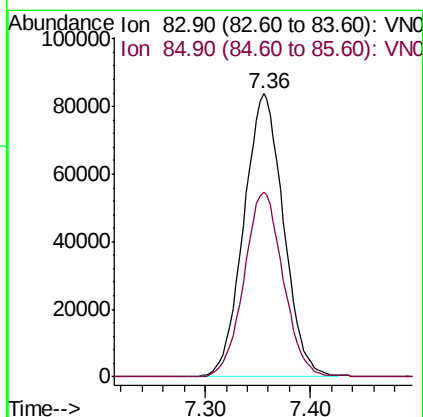
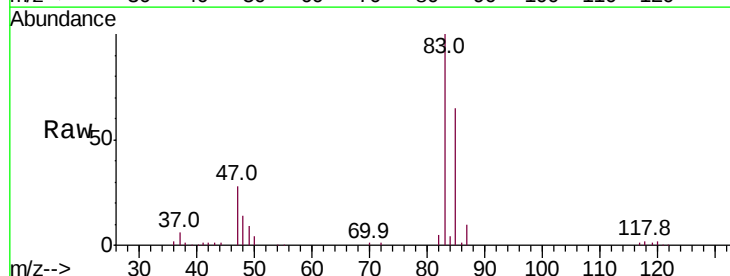
Instrument :
MSVOA_N
ClientSampled :

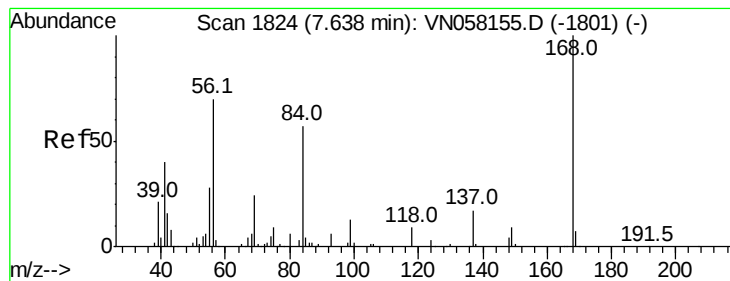
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	33.8	50.6
71	38.2	31.4	47.0



#30
Chloroform
Concen: 13.725 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.4	77.2





#31

Cvclohexane

Concen: 13.026 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

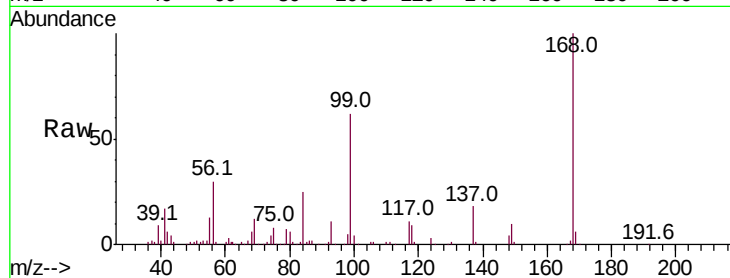
Tot Ion: 56 Resp: 146204

Ion Ratio Lower Upper

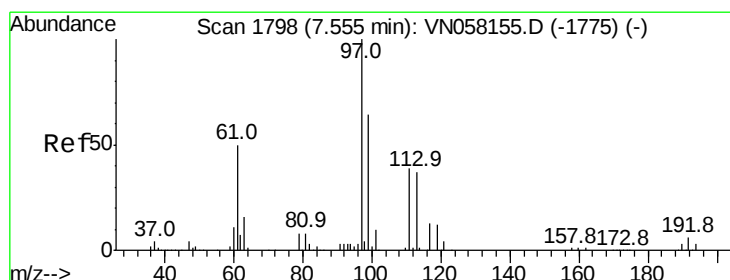
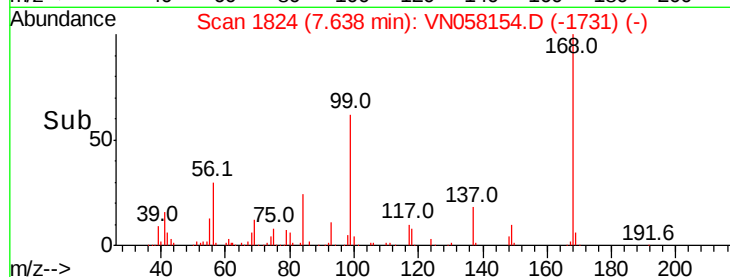
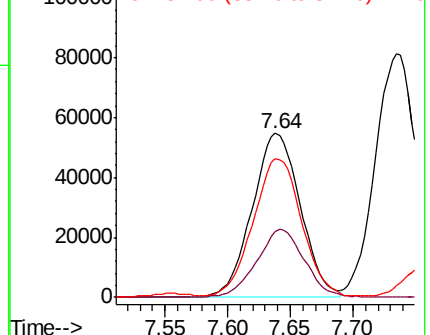
56 100

69 39.8 27.3 40.9

84 83.4 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 13.724 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

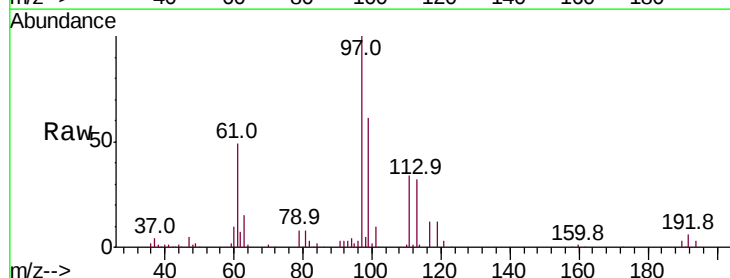
Tgt Ion: 97 Resp: 173745

Ion Ratio Lower Upper

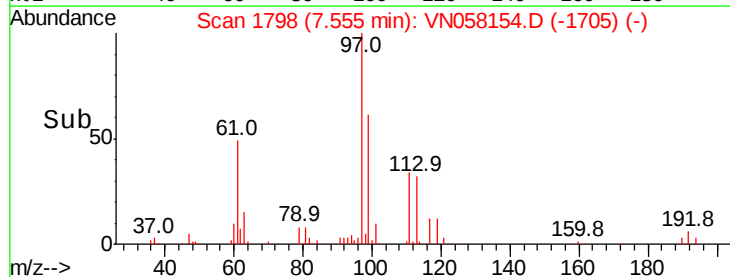
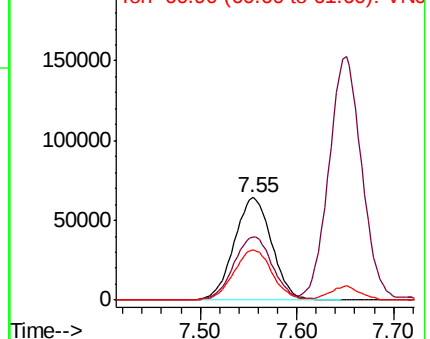
97 100

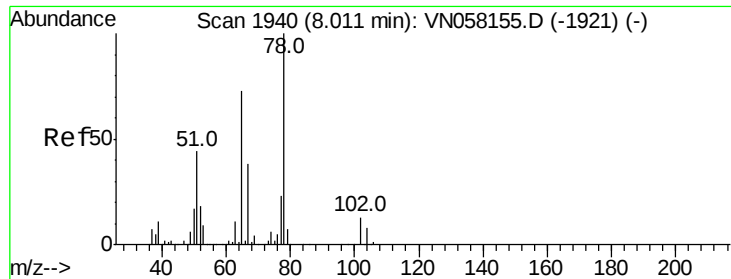
99 63.0 50.9 76.3

61 49.4 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 13.872 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

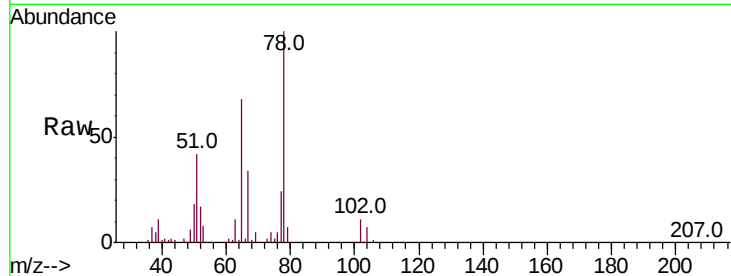
ClientSampleId :

Tot Ion: 65 Resp: 159773

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.01

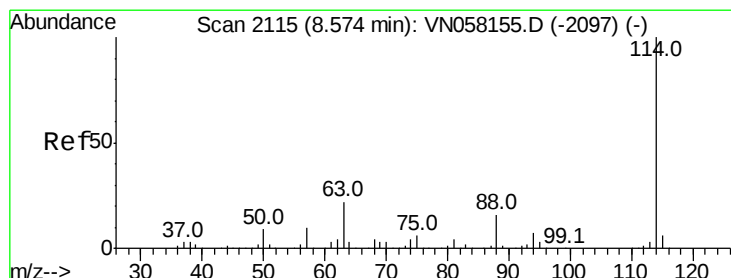
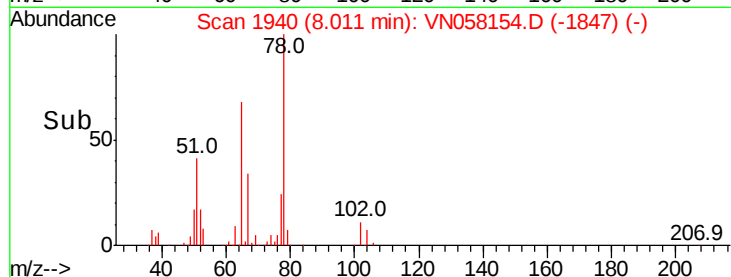
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

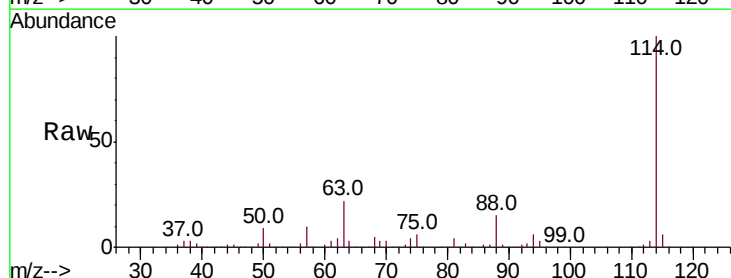
Tgt Ion: 114 Resp: 1008309

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

88 15.5 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

600000

500000

400000

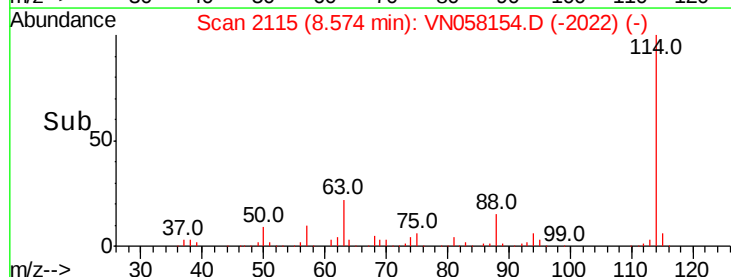
300000

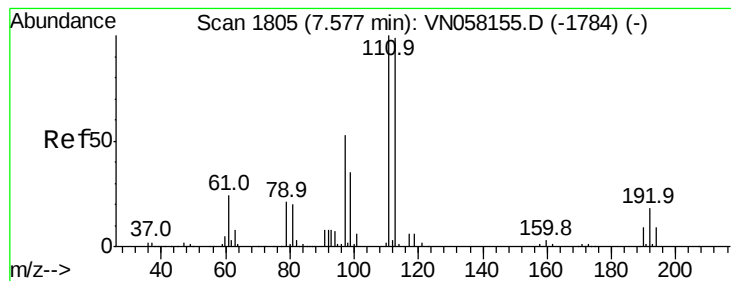
200000

100000

0

Time--> 8.50 8.60 8.70





#35

Dibromofluoromethane

Concen: 13.151 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :

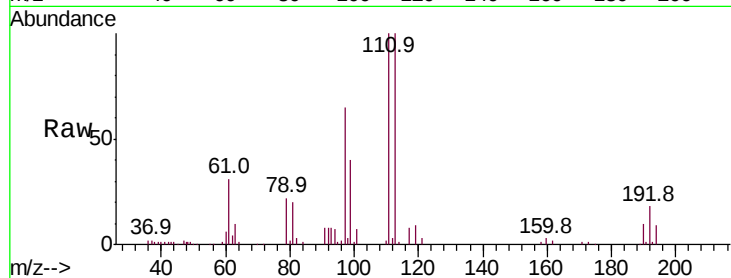
Tot Ion:113 Resp: 114512

Ion Ratio Lower Upper

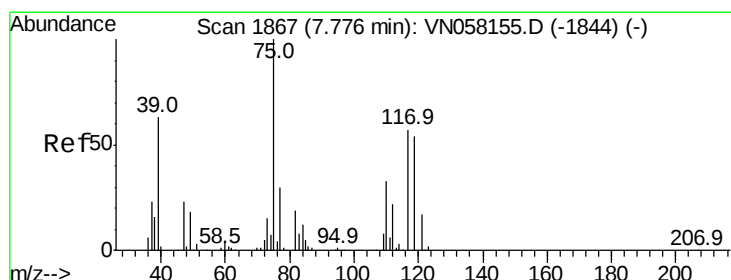
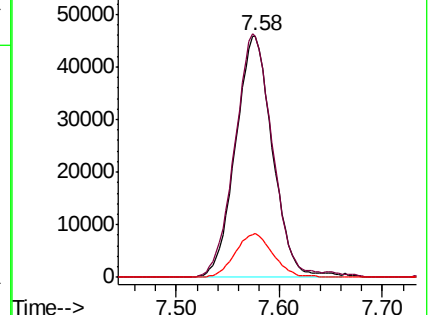
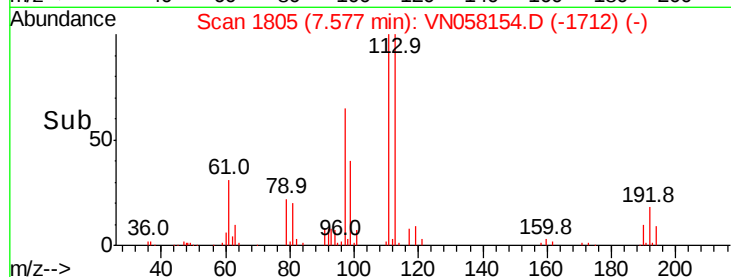
113 100

111 102.3 81.8 122.6

192 18.6 14.5 21.7



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: 12.047 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

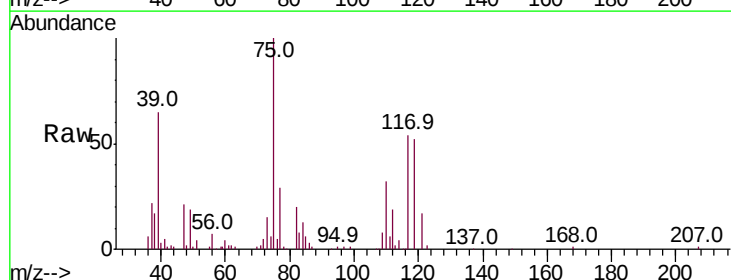
Tgt Ion: 75 Resp: 132011

Ion Ratio Lower Upper

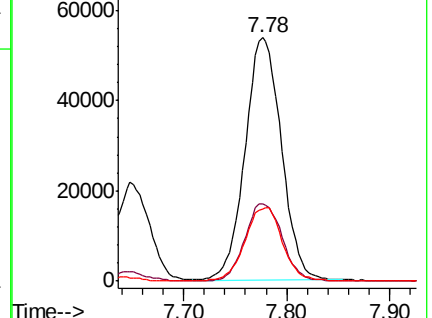
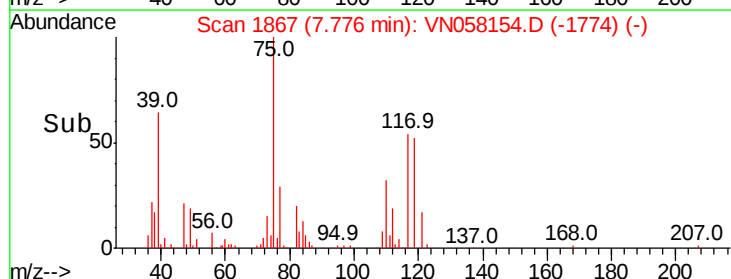
75 100

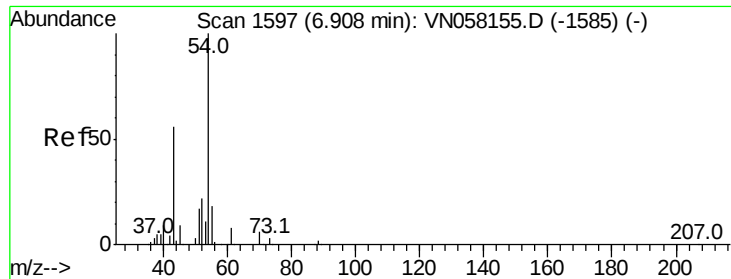
110 32.8 16.6 49.7

77 31.2 24.3 36.5



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

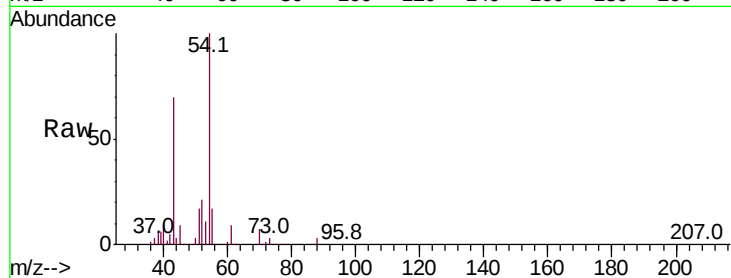




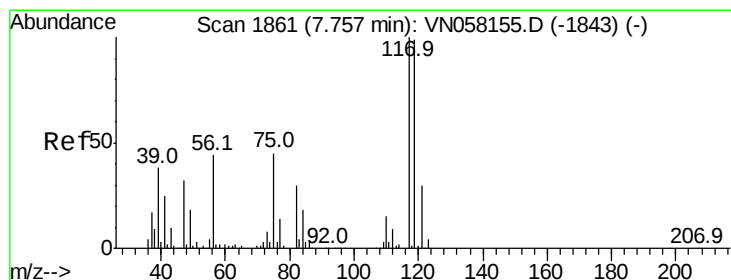
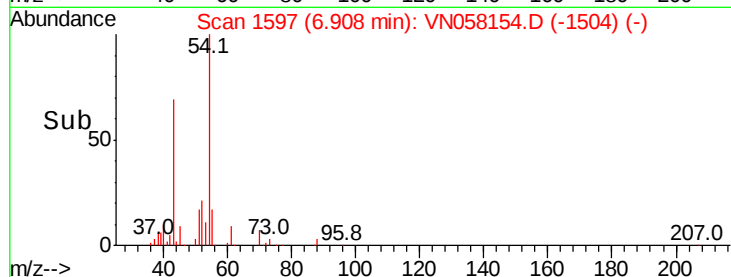
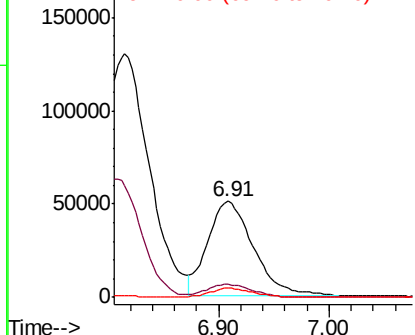
#37
Ethyl Acetate
Concen: 12.826 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 145684
Ion Ratio Lower Upper
43 100
61 12.8 10.7 16.1
70 9.1 7.6 11.4

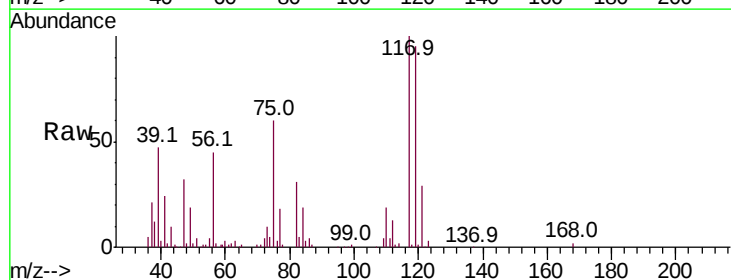


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

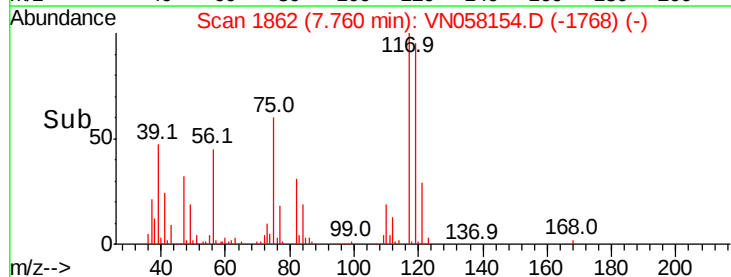
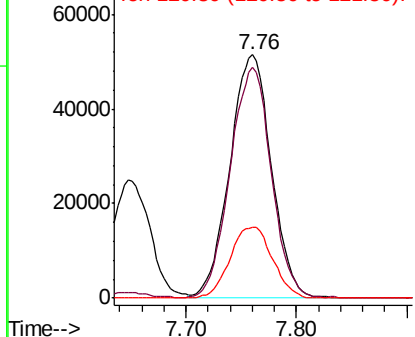


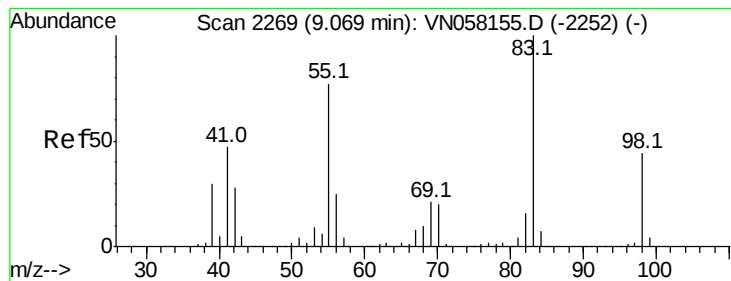
#38
Carbon Tetrachloride
Concen: 13.293 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 117 Resp: 133548
Ion Ratio Lower Upper
117 100
119 94.9 78.6 117.8
121 29.2 24.1 36.1



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

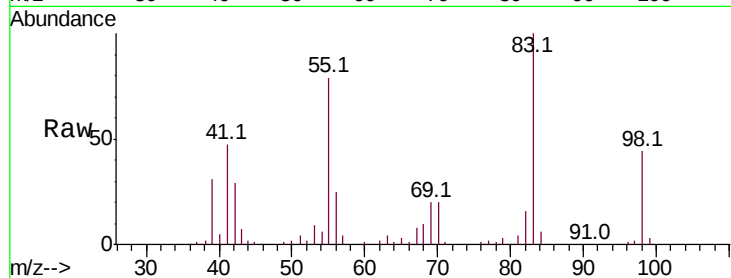




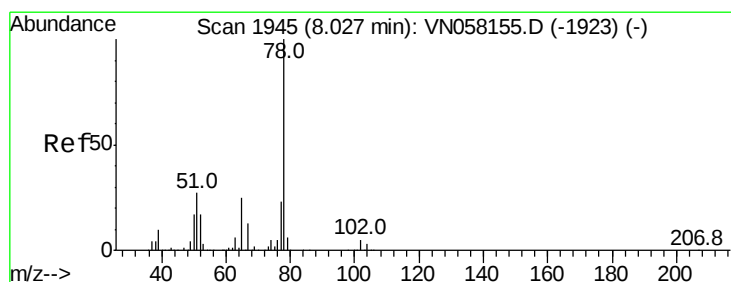
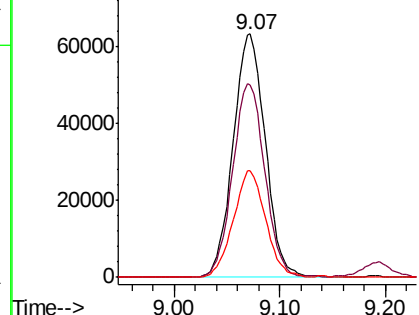
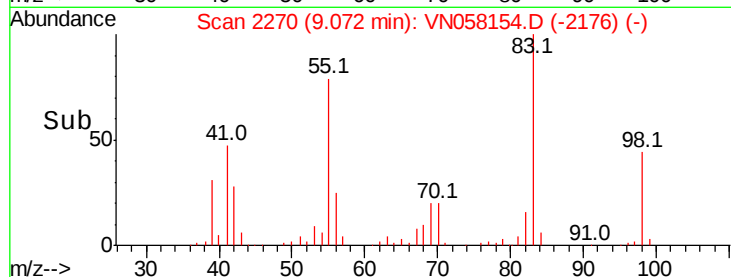
#39
Methvlcvclohexane
Concen: 11.638 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 133723
Ion Ratio Lower Upper
83 100
55 79.2 61.9 92.9
98 43.9 35.4 53.2

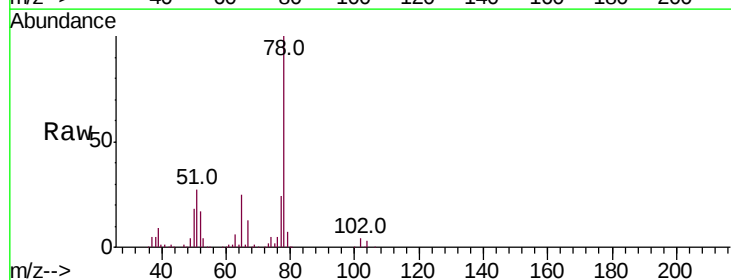


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

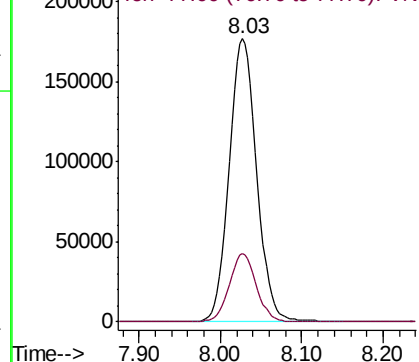
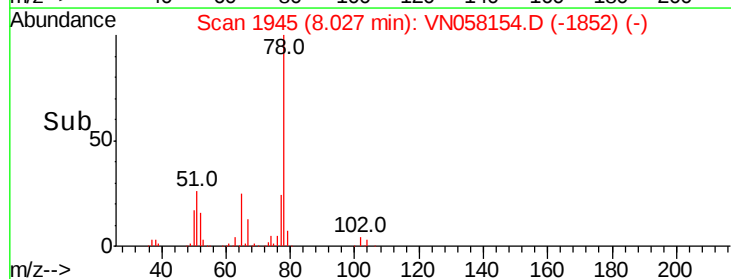


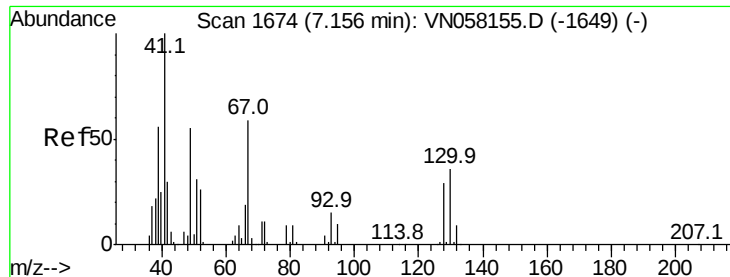
#40
Benzene
Concen: 12.738 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 78 Resp: 420246
Ion Ratio Lower Upper
78 100
77 24.1 18.8 28.2



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

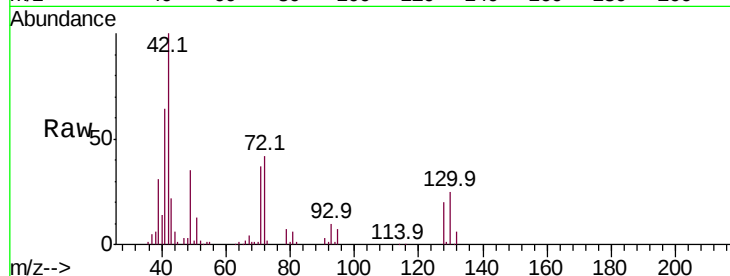




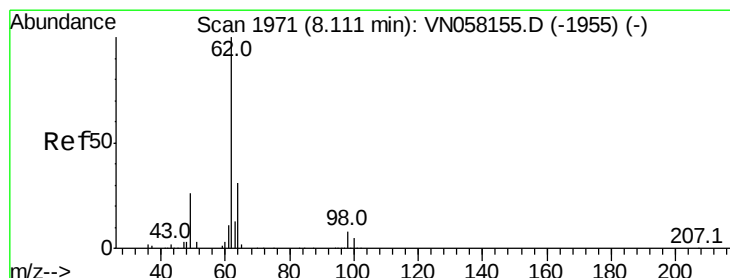
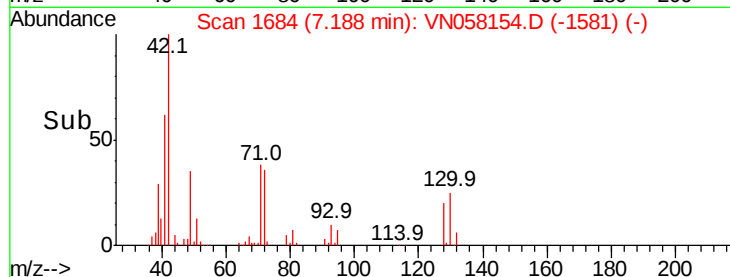
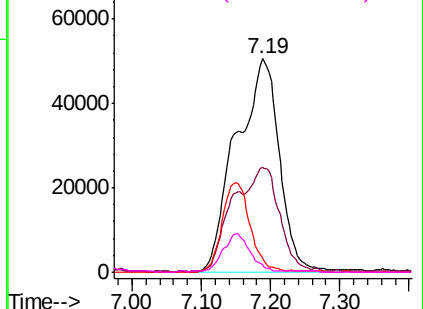
#41
Methacrylonitrile
Concen: 42.693 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	219877
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

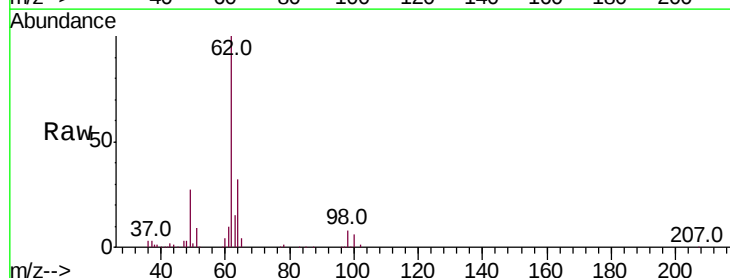


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

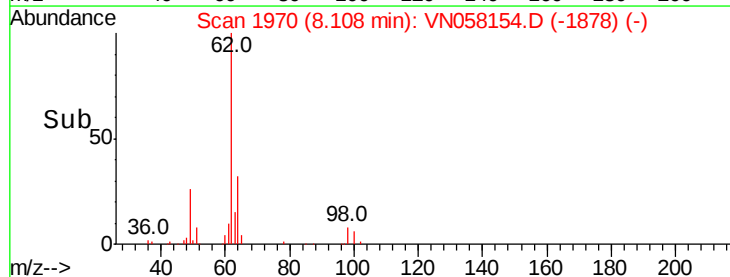
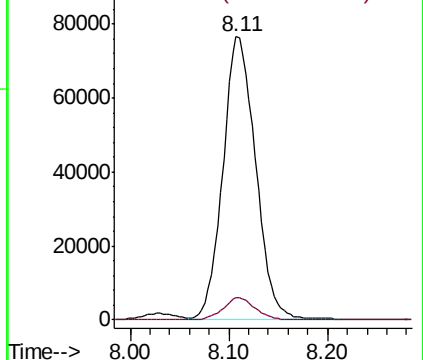


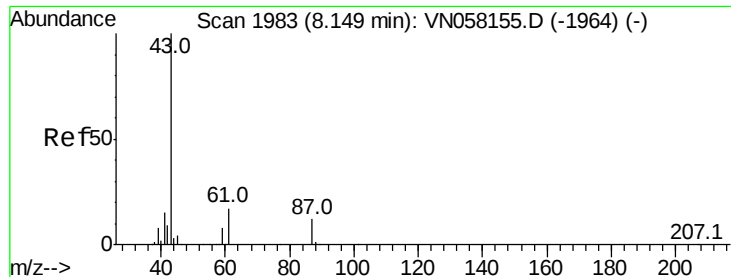
#42
1,2-Dichloroethane
Concen: 13.317 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion:	62	Resp:	176296
Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.6



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





#43

Isopropyl Acetate

Concen: 13.818 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

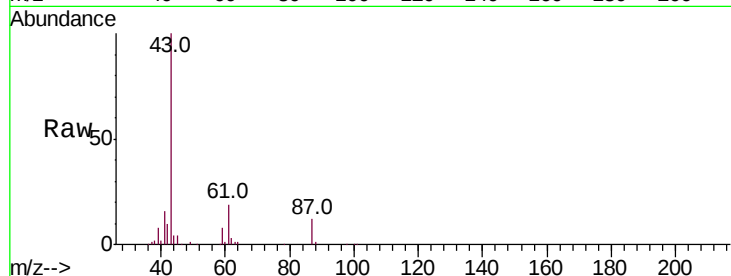
Tot Ion: 43 Resp: 264044

Ion Ratio Lower Upper

43 100

61 17.4 19.7 29.5#

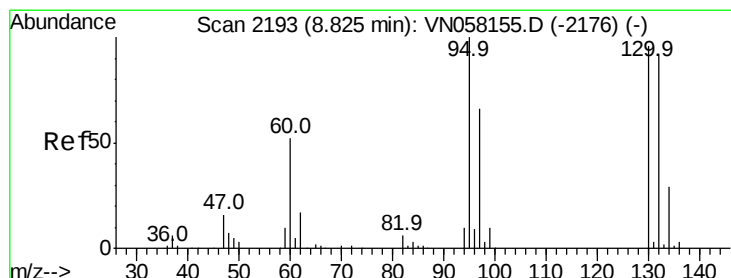
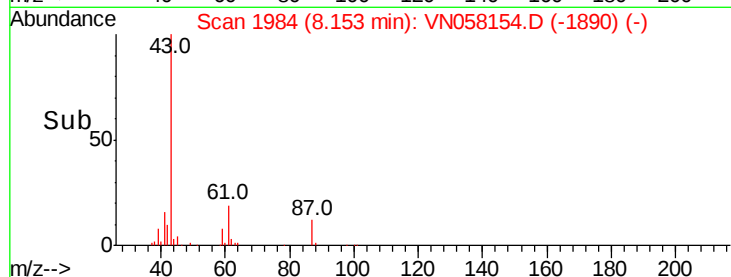
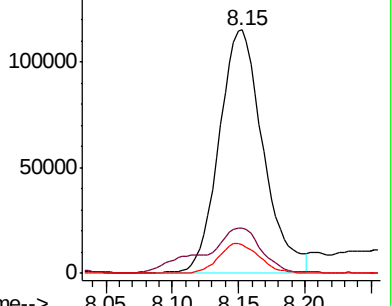
87 11.5 9.4 14.2



Abundance Ion 43.00 (42.70 to 43.70): VN058155.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN058155.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN058155.D (-1964) (-)



#44

Trichloroethene

Concen: 12.573 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058154.D

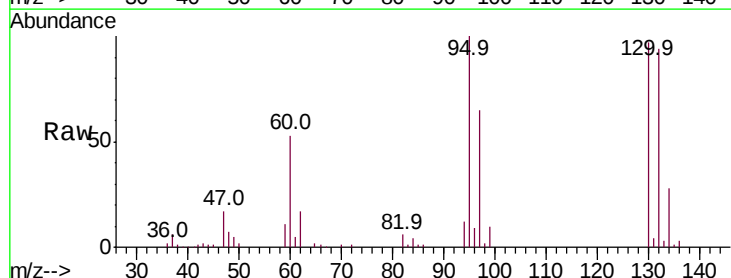
Acq: 18 Sep 2019 10:05

Tgt Ion:130 Resp: 102026

Ion Ratio Lower Upper

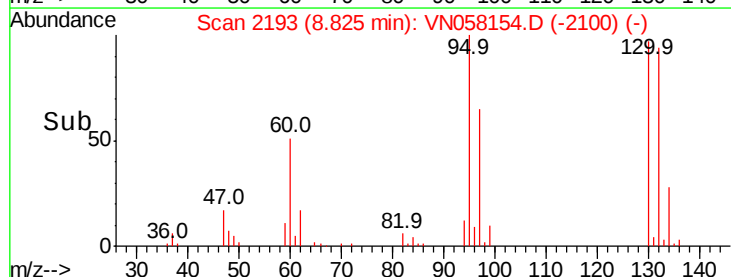
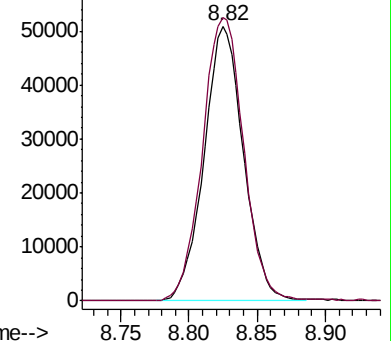
130 100

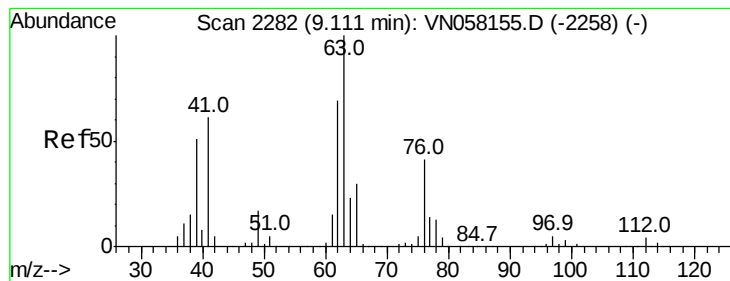
95 103.0 0.0 207.8



Abundance Ion 129.80 (129.50 to 130.50): VN058155.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058155.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 13.500 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

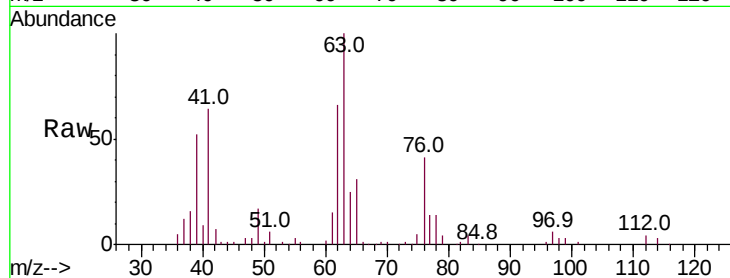
ClientSampleId :

Tot Ion: 63 Resp: 130085

Ion Ratio Lower Upper

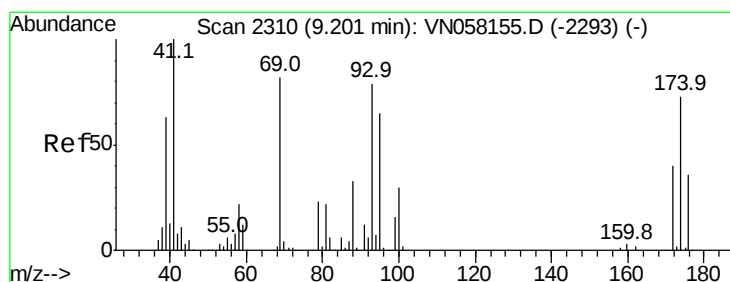
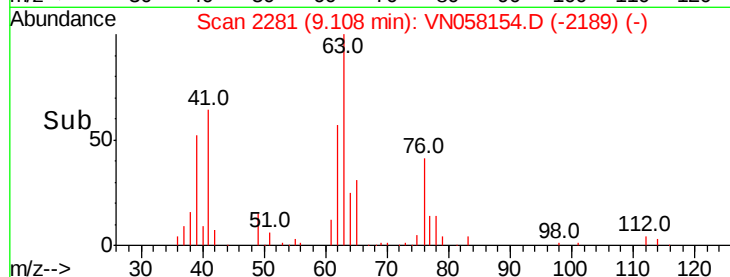
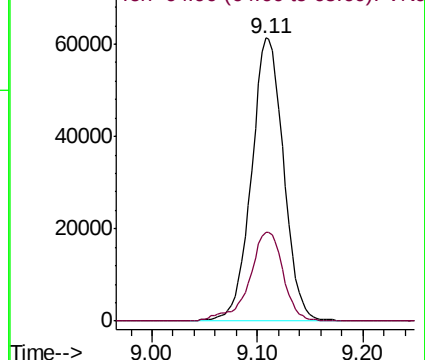
63 100

65 31.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 13.349 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

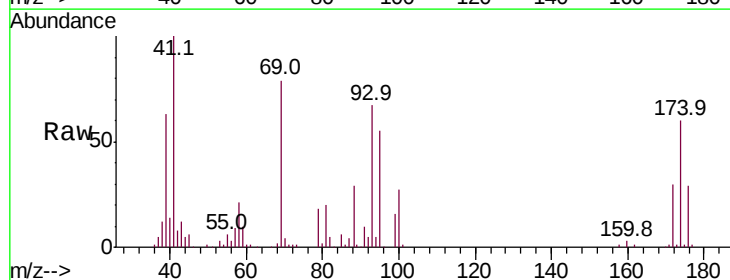
Tgt Ion: 93 Resp: 77649

Ion Ratio Lower Upper

93 100

95 84.4 66.8 100.2

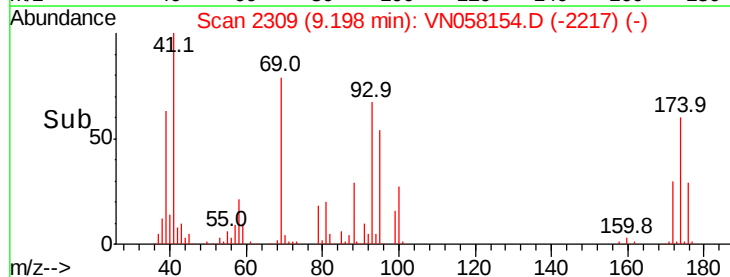
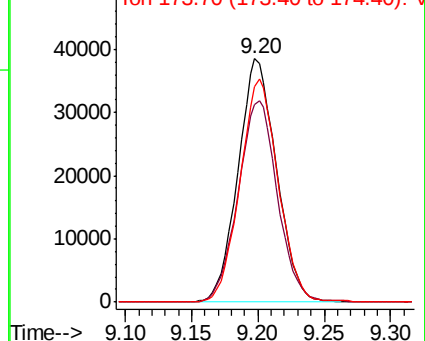
174 91.0 73.8 110.8

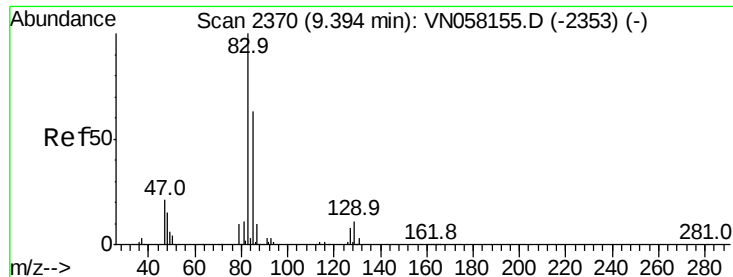


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 14.120 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

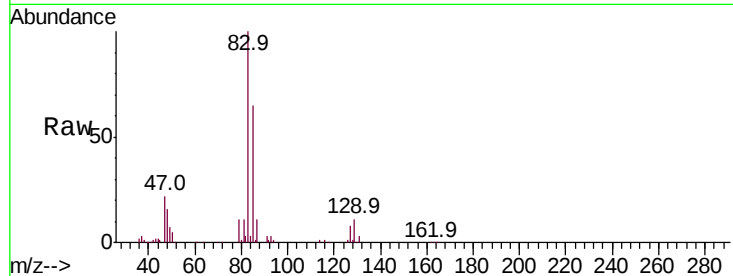
Tot Ion: 83 Resp: 163545

Ion Ratio Lower Upper

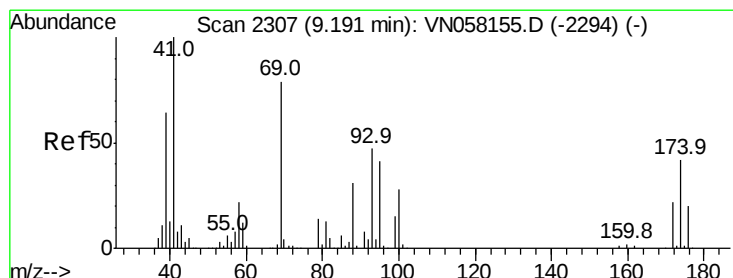
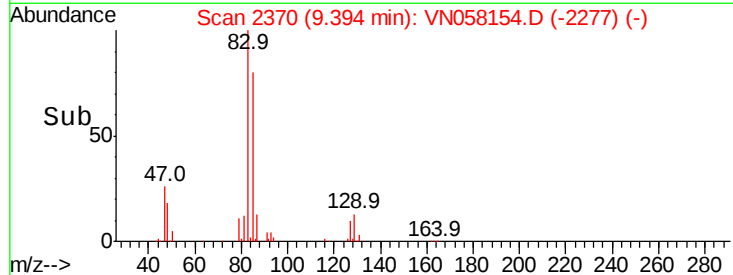
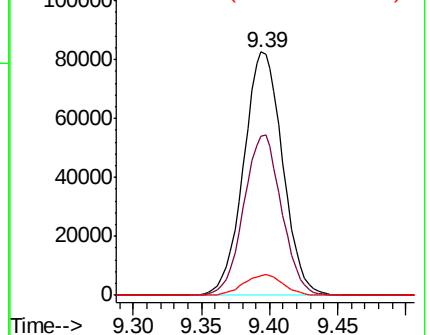
83 100

85 65.4 50.1 75.1

127 8.3 6.4 9.6



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



#48

Methyl methacrylate

Concen: 13.000 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

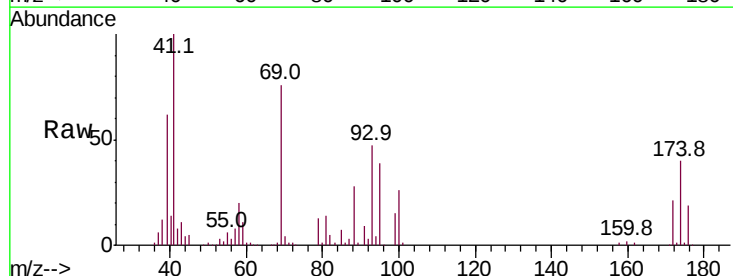
Tgt Ion: 41 Resp: 125292

Ion Ratio Lower Upper

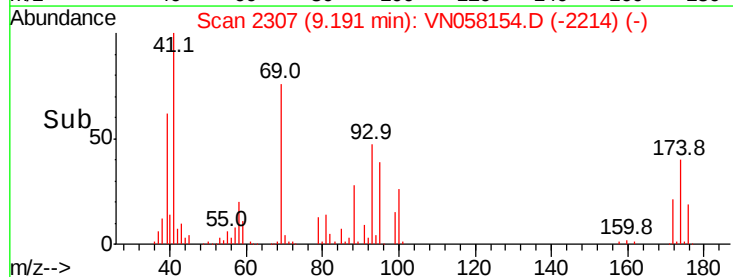
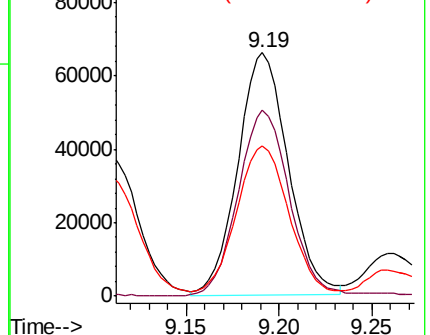
41 100

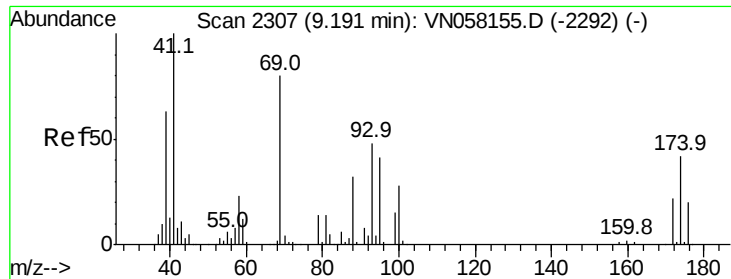
69 78.1 62.5 93.7

39 64.5 52.3 78.5



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

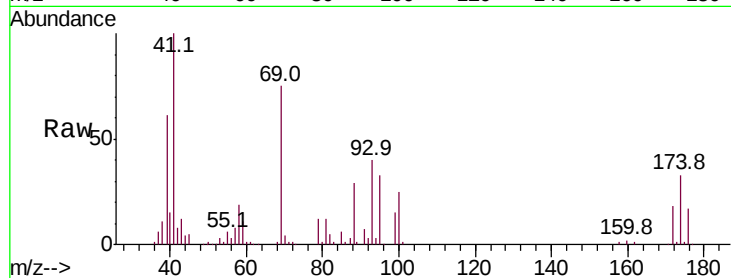




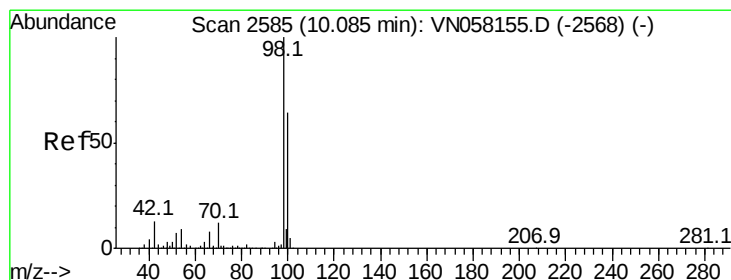
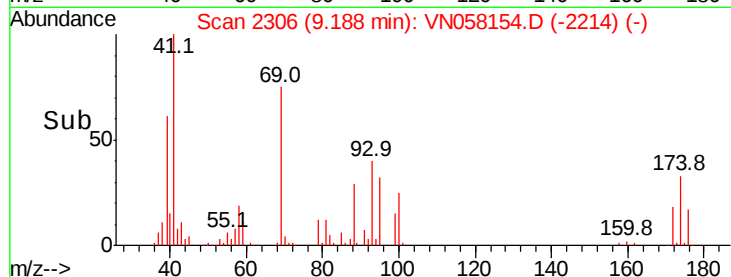
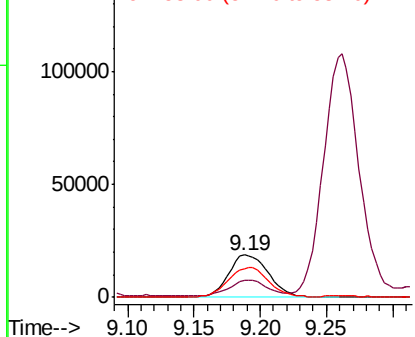
#49
1,4-Dioxane
Concen: 241.614 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 39571
Ion Ratio Lower Upper
88 100
43 33.8 27.8 41.8
58 71.9 55.0 82.4

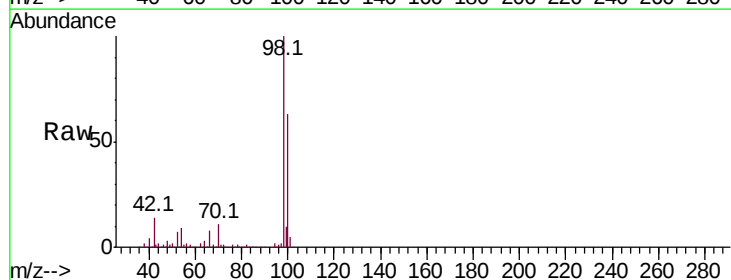


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

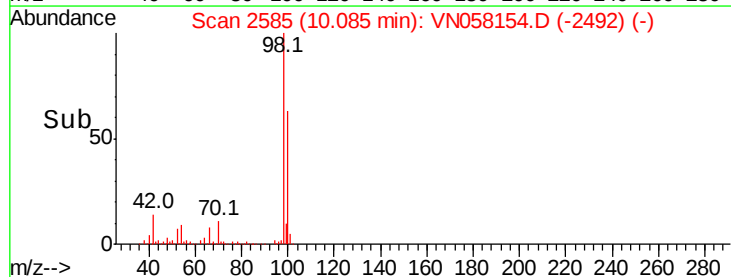
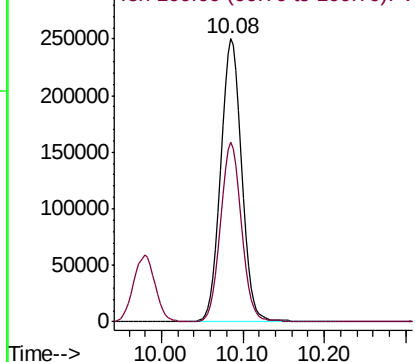


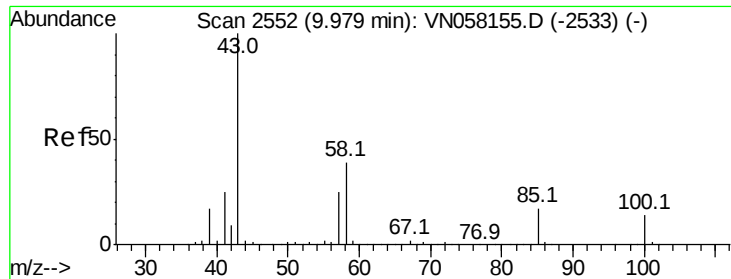
#50
Toluene-d8
Concen: 13.636 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 98 Resp: 458756
Ion Ratio Lower Upper
98 100
100 63.2 51.1 76.7



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





#51

4-Methyl-2-Pentanone

Concen: 71.812 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

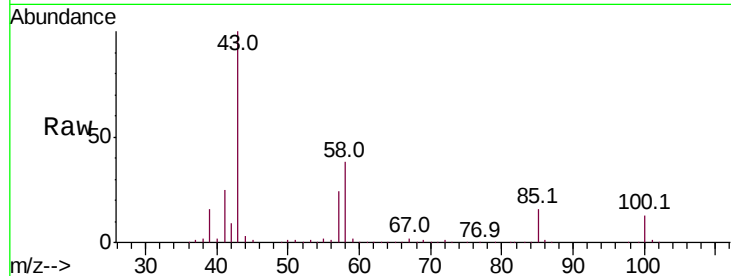
ClientSampleId :

Tot Ion: 43 Resp: 802896

Ion Ratio Lower Upper

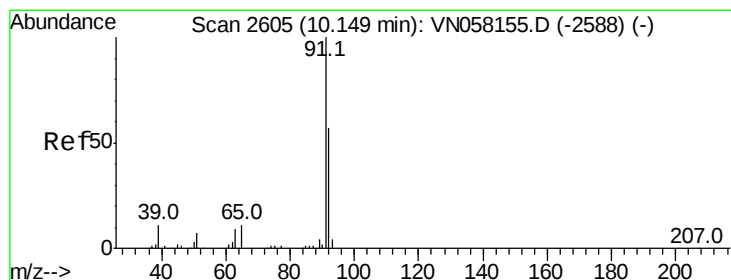
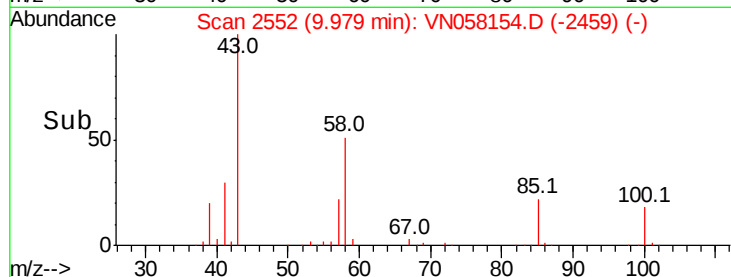
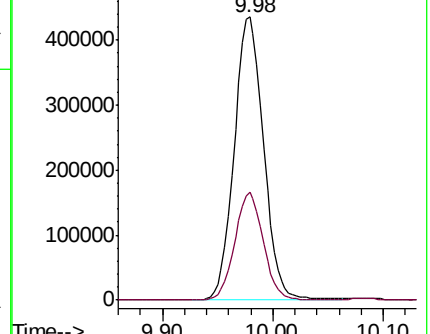
43 100

58 36.9 30.2 45.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 12.752 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058154.D

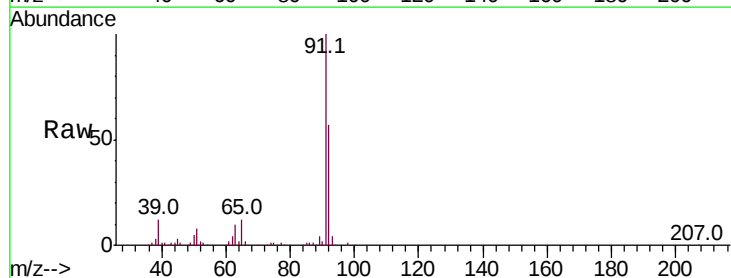
Acq: 18 Sep 2019 10:05

Tgt Ion: 92 Resp: 264689

Ion Ratio Lower Upper

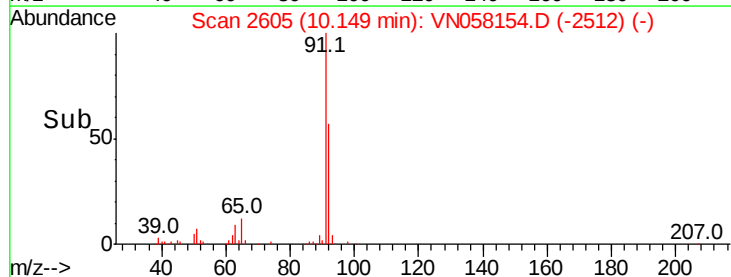
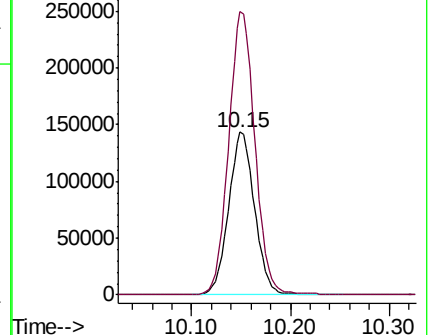
92 100

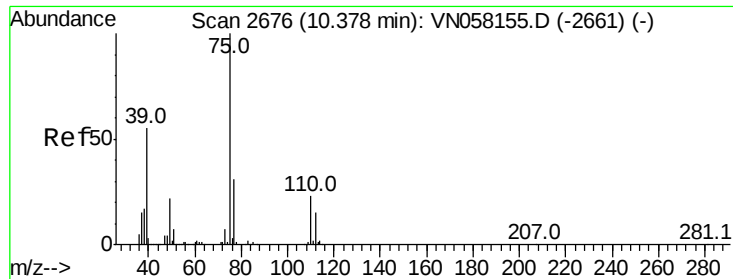
91 176.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 13.651 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

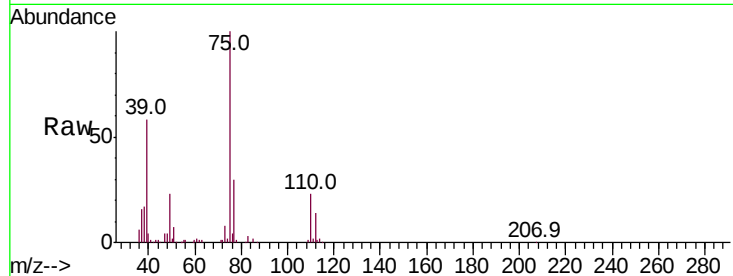
ClientSampleId :

Tot Ion: 75 Resp: 166170

Ion Ratio Lower Upper

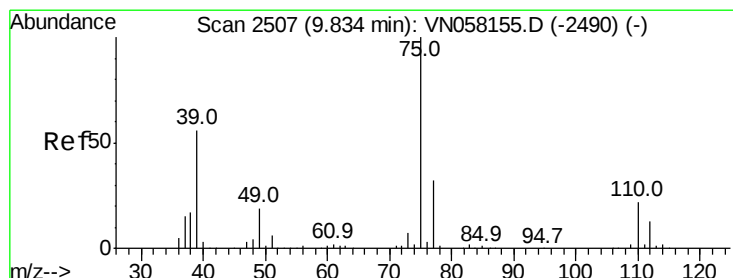
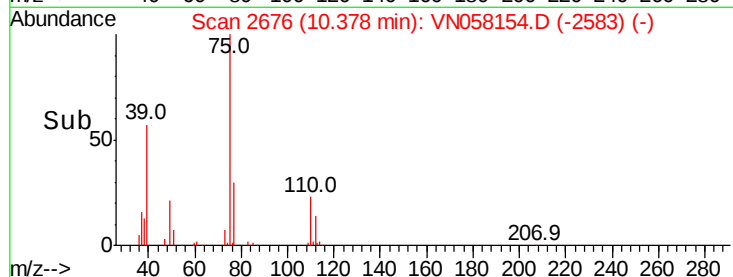
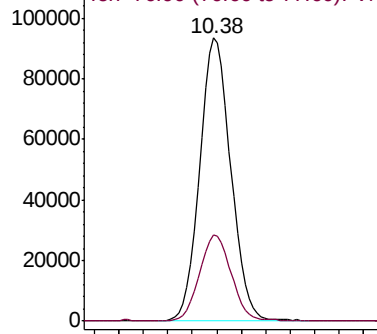
75 100

77 30.5 24.9 37.3



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: 13.591 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

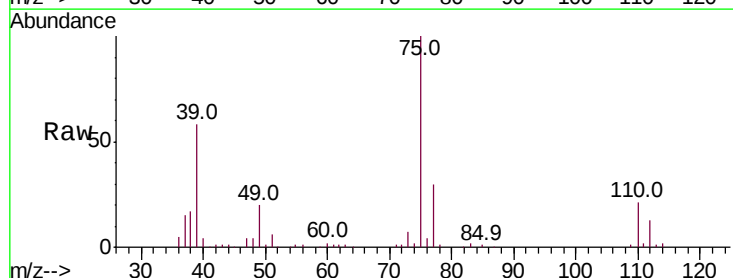
Tgt Ion: 75 Resp: 182758

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.0

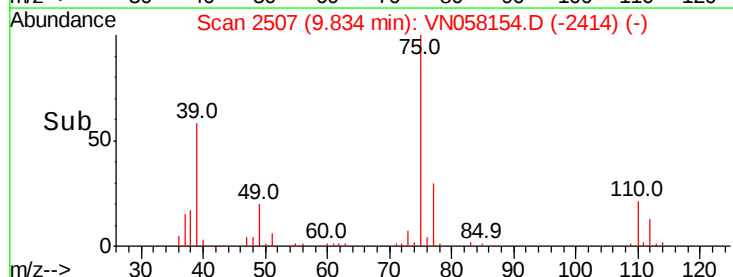
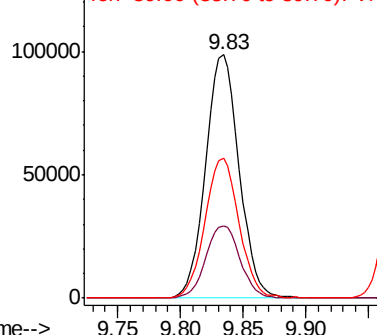
39 57.5 45.0 67.6

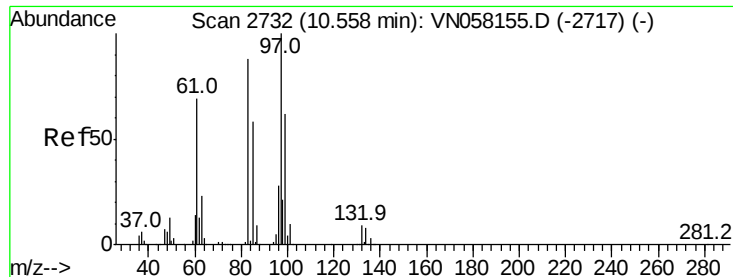


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 13.921 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 122551

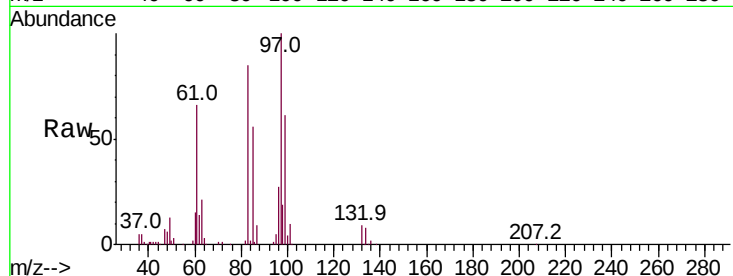
Ion Ratio Lower Upper

97 100

83 85.3 70.4 105.6

85 55.6 46.8 70.2

99 60.8 49.9 74.9



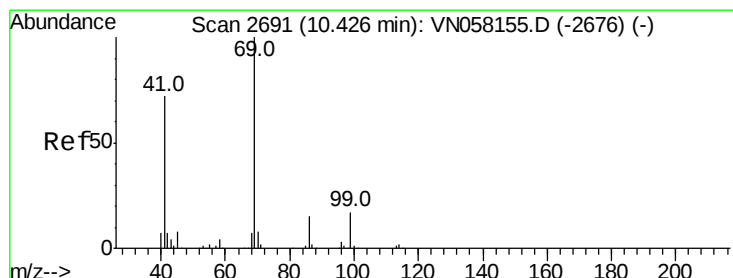
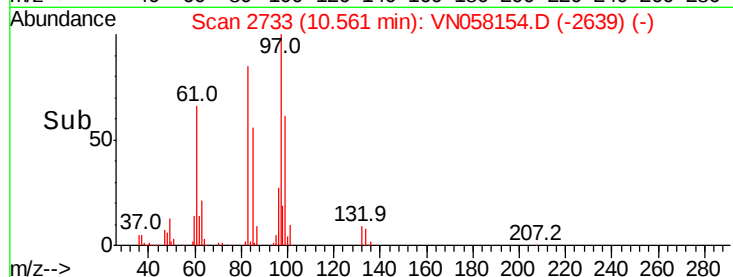
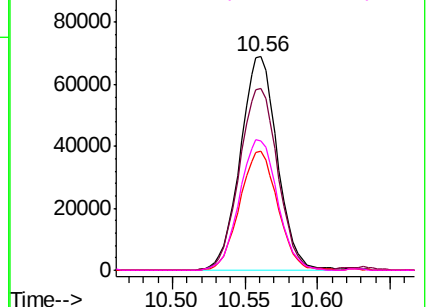
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 13.187 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

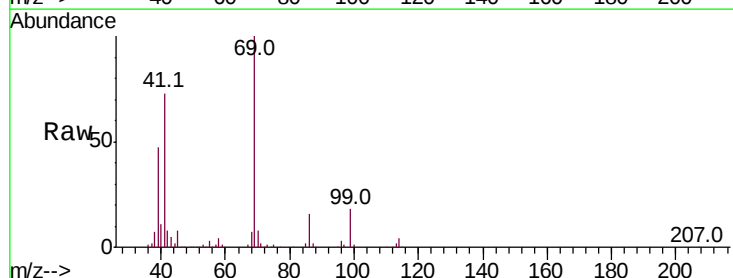
Tgt Ion: 69 Resp: 173920

Ion Ratio Lower Upper

69 100

41 69.6 57.5 86.3

39 45.1 36.1 54.1

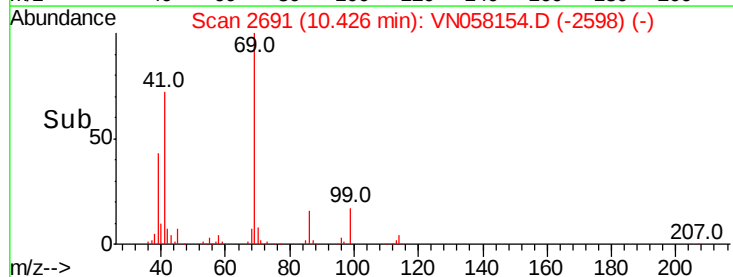
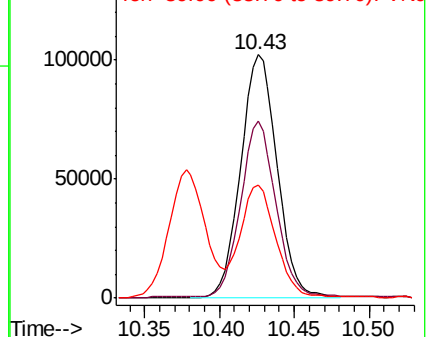


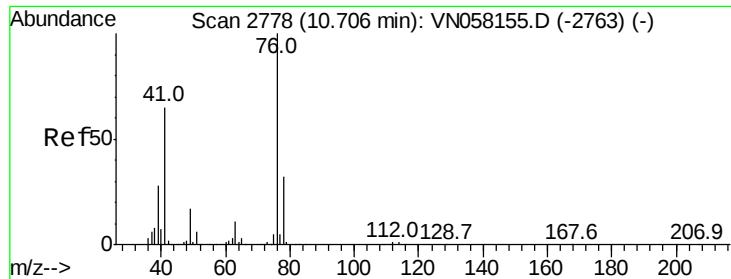
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 13.692 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

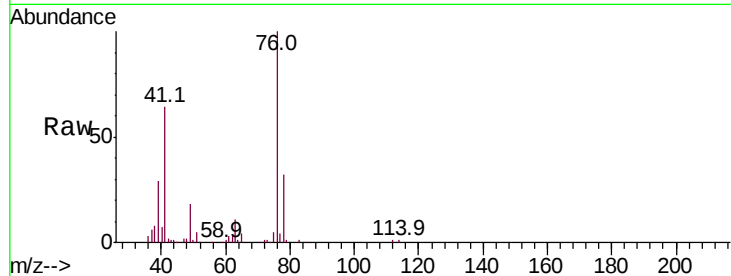
ClientSampled :

Tot Ion: 76 Resp: 207784

Ion Ratio Lower Upper

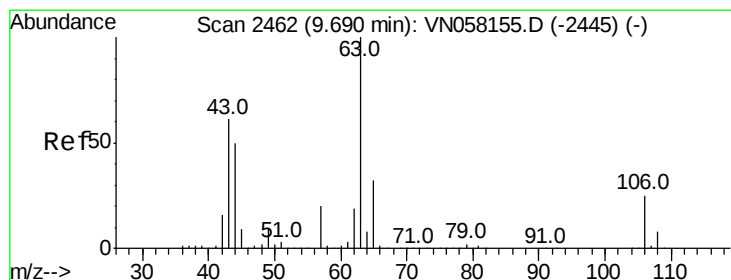
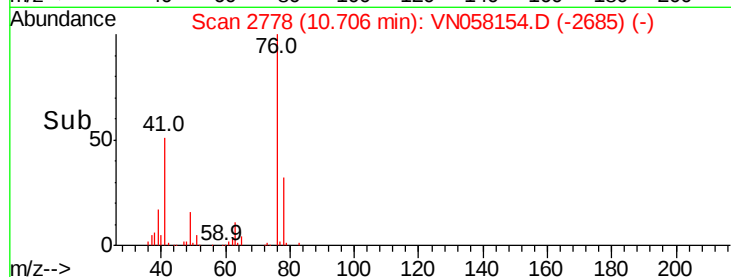
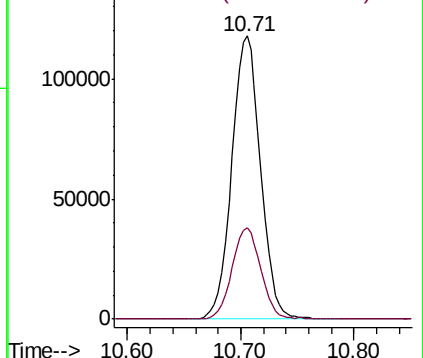
76 100

78 32.4 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 62.769 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058154.D

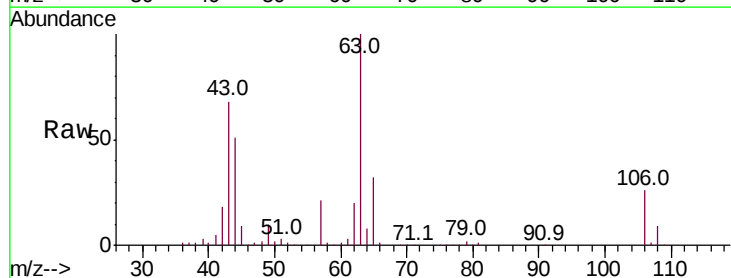
Acq: 18 Sep 2019 10:05

Tgt Ion: 63 Resp: 386214

Ion Ratio Lower Upper

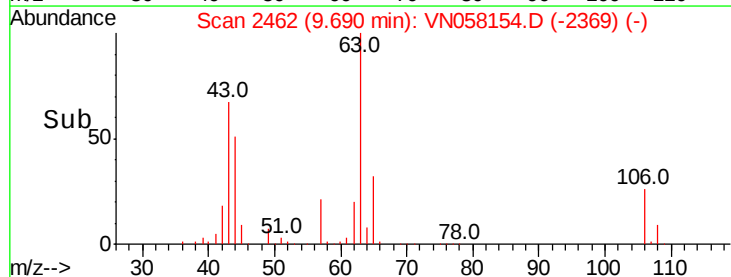
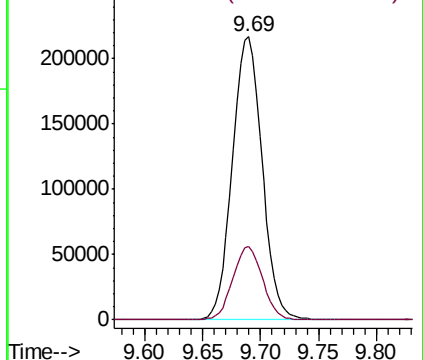
63 100

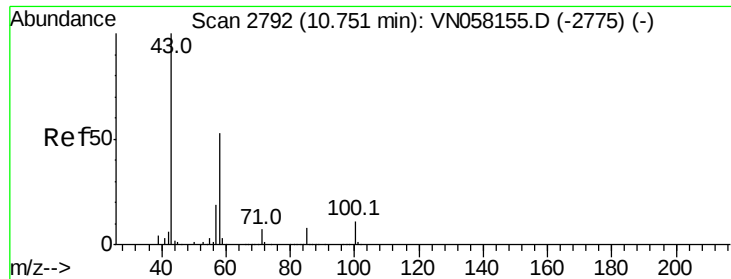
106 25.9 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

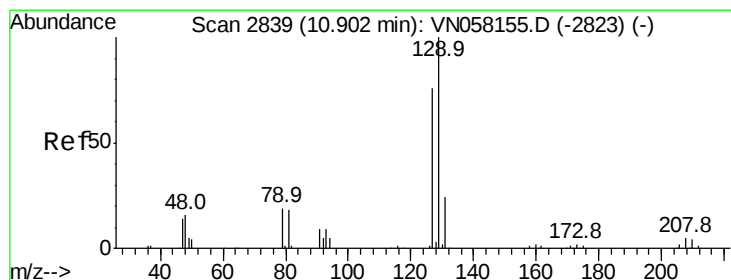
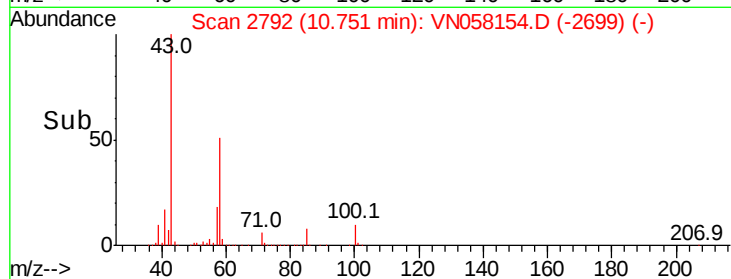
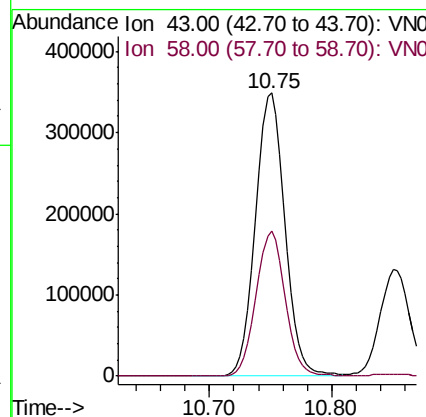
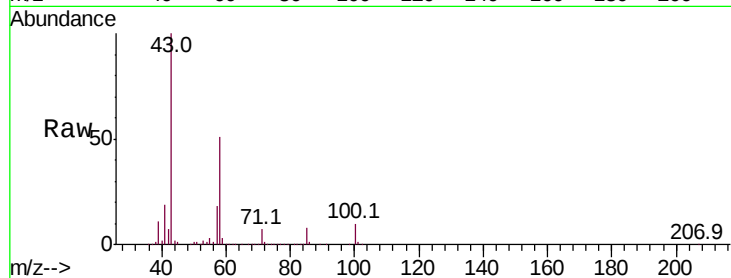




#59
2-Hexanone
Concen: 68.852 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

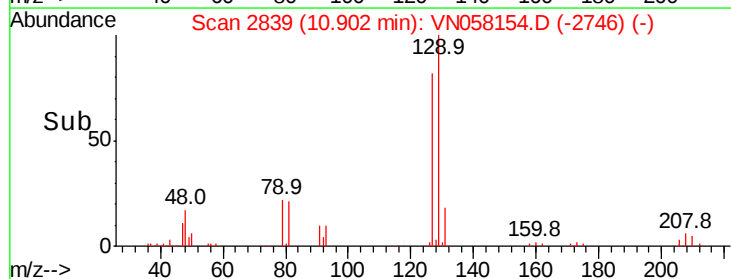
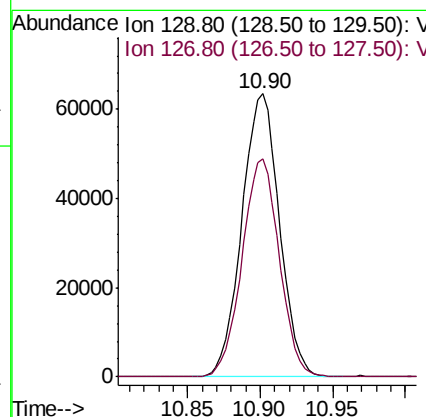
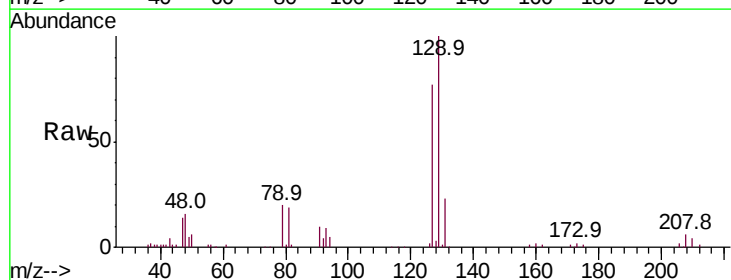
Instrument :
MSVOA_N
ClientSampleId :

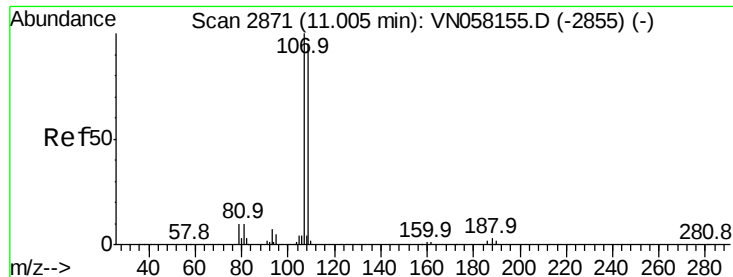
Tot Ion: 43 Resp: 575541
Ion Ratio Lower Upper
43 100
58 51.2 26.0 78.0



#60
Dibromochloromethane
Concen: 14.029 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 129 Resp: 114510
Ion Ratio Lower Upper
129 100
127 76.1 38.7 116.1

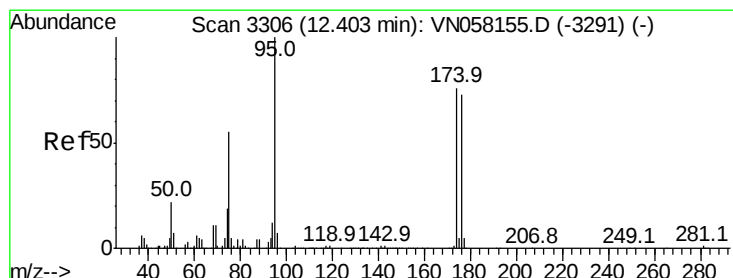
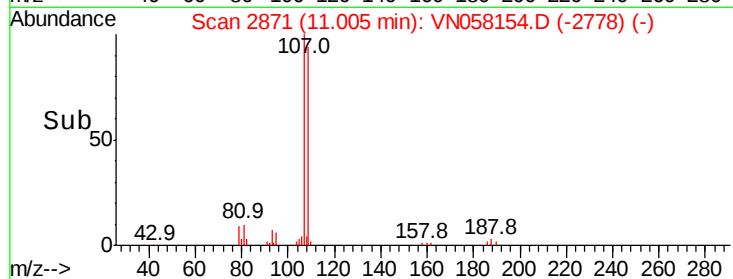
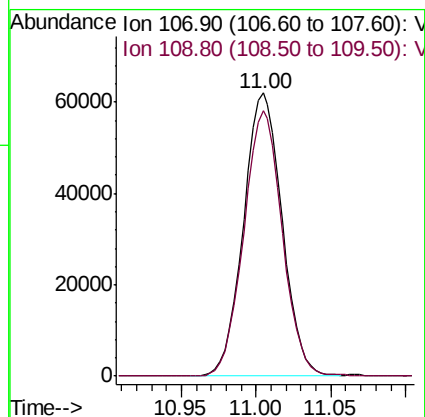
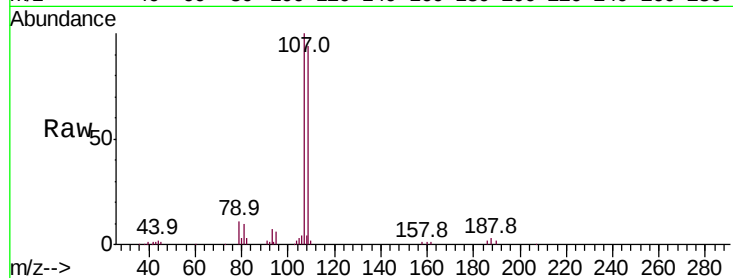




#61
 1,2-Dibromoethane
 Concen: 13.426 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

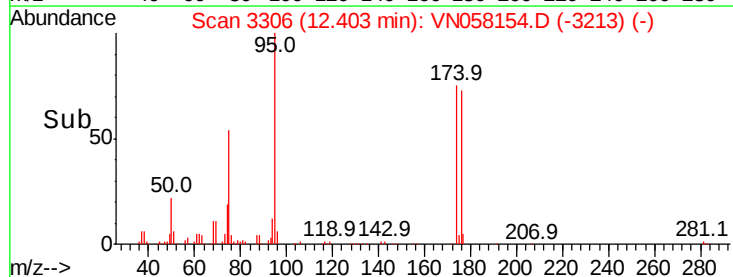
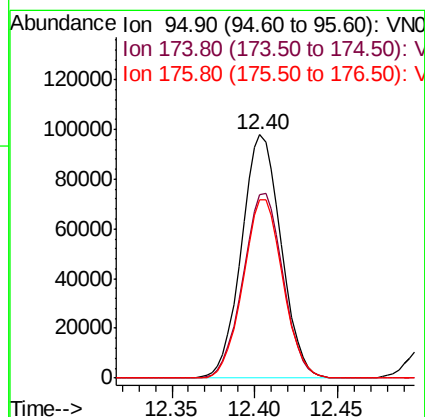
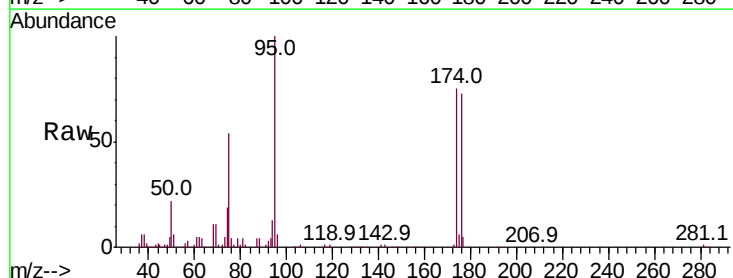
Instrument :
 MSVOA_N
 ClientSampleId :

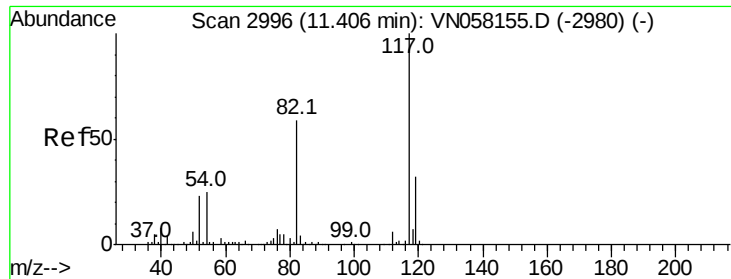
Tot Ion:107 Resp: 111438
 Ion Ratio Lower Upper
 107 100
 109 93.4 75.4 113.2



#62
 4-Bromofluorobenzene
 Concen: 12.557 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion: 95 Resp: 162426
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 152.2
 176 73.8 0.0 148.0

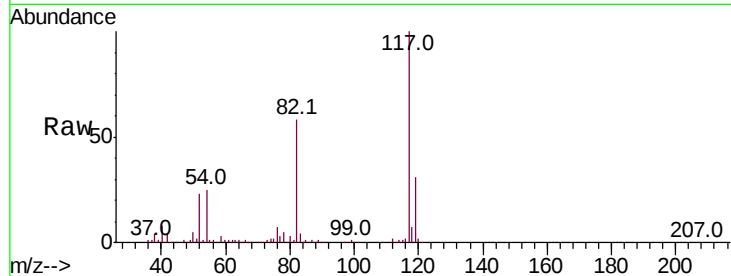




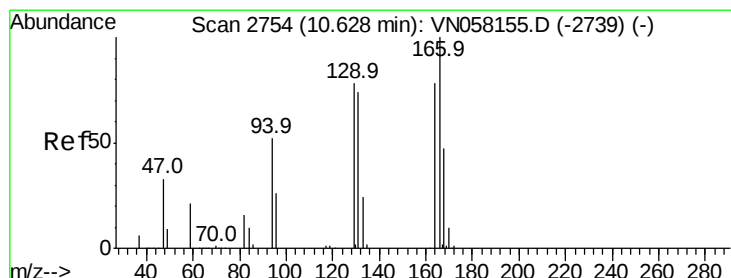
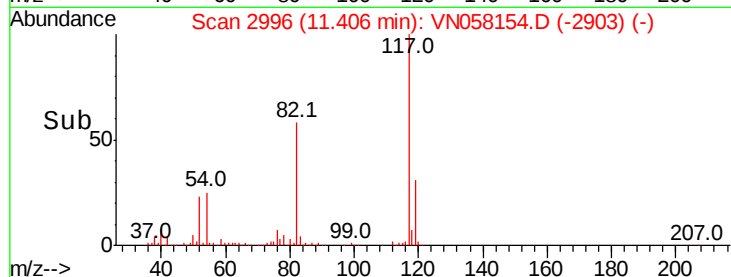
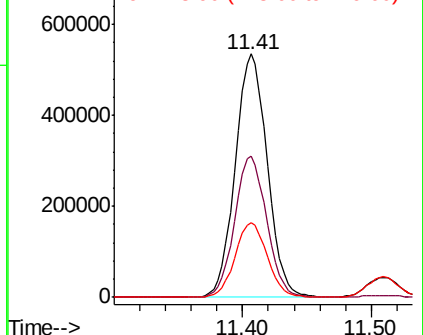
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 923371
Ion Ratio Lower Upper
117 100
82 58.0 46.9 70.3
119 30.9 25.3 37.9

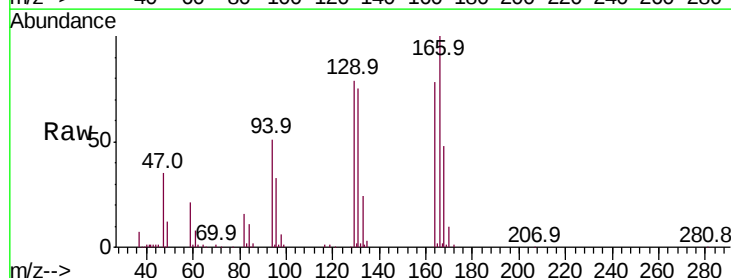


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

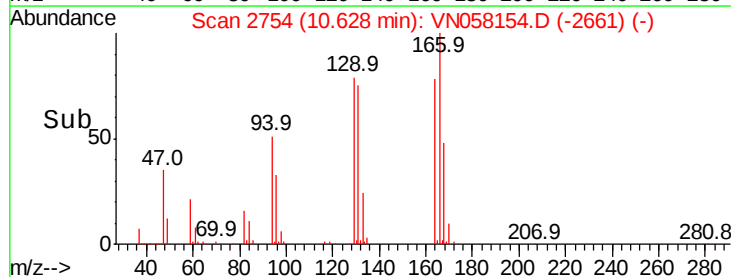
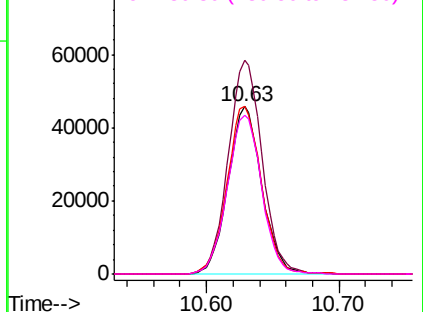


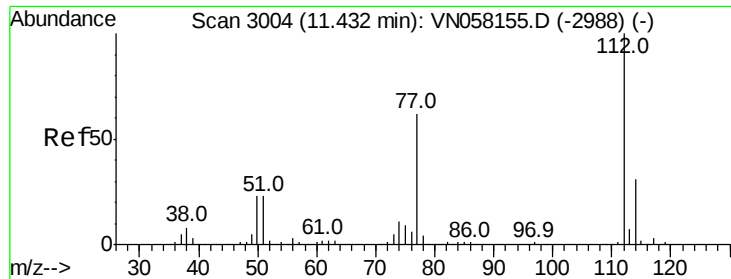
#64
Tetrachloroethene
Concen: 12.529 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion:164 Resp: 80680
Ion Ratio Lower Upper
164 100
166 127.7 102.2 153.4
129 100.5 79.6 119.4
131 95.2 76.0 114.0



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

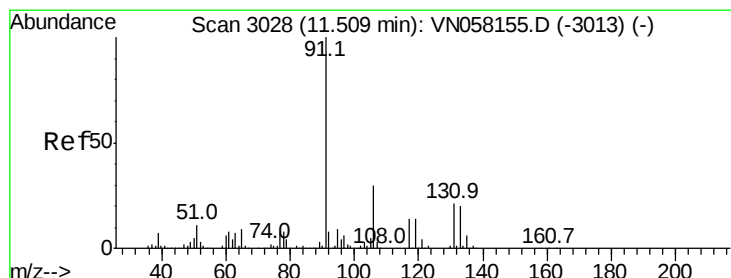
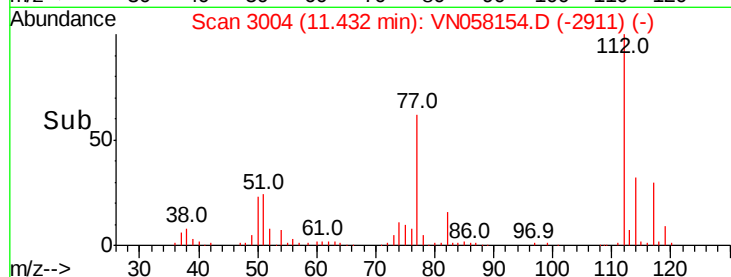
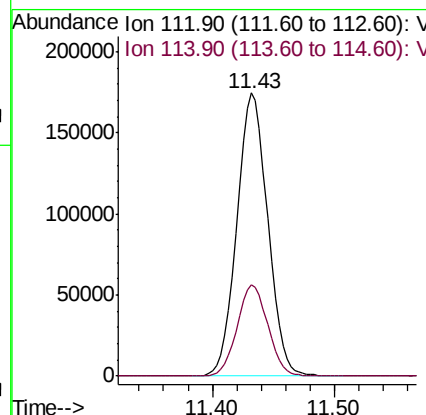
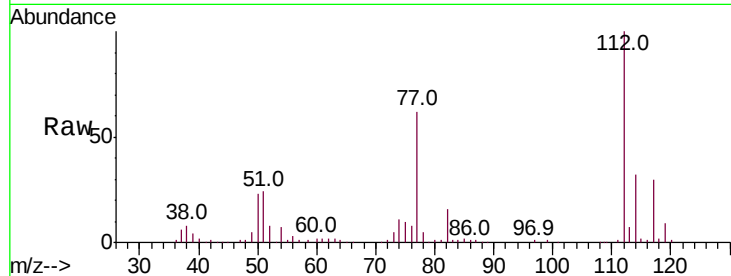




#65
Chlorobenzene
Concen: 13.481 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

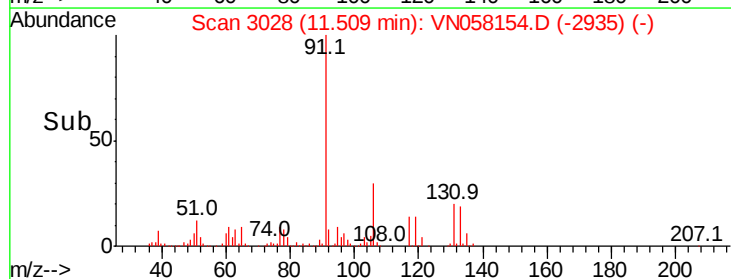
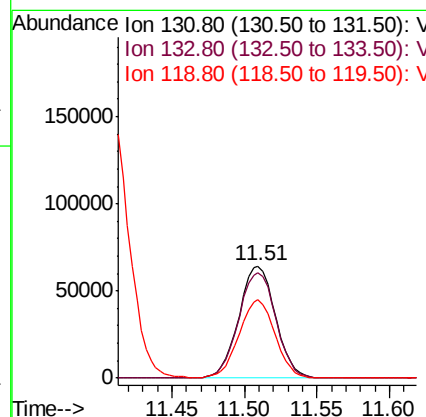
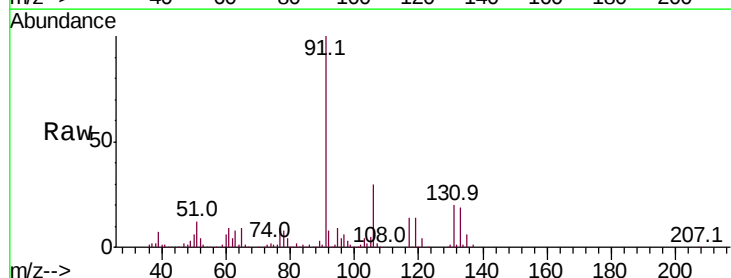
Instrument :
MSVOA_N
ClientSampled :

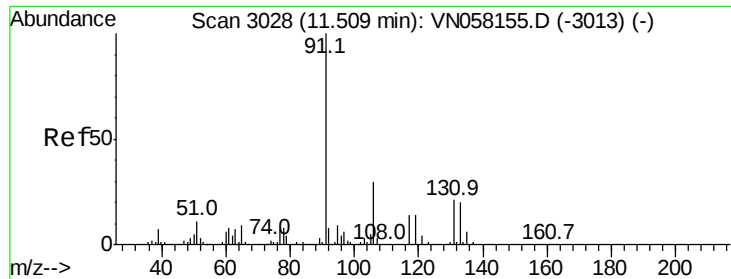
Tot Ion:112 Resp: 306469
Ion Ratio Lower Upper
112 100
114 32.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 14.351 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion:131 Resp: 113492
Ion Ratio Lower Upper
131 100
133 95.7 47.8 143.3
119 68.6 33.1 99.3

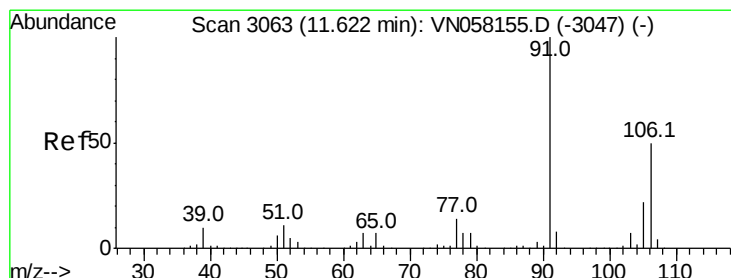
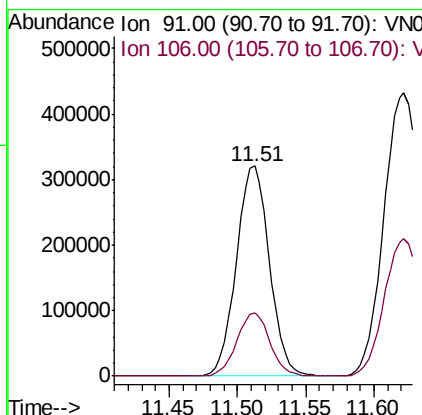
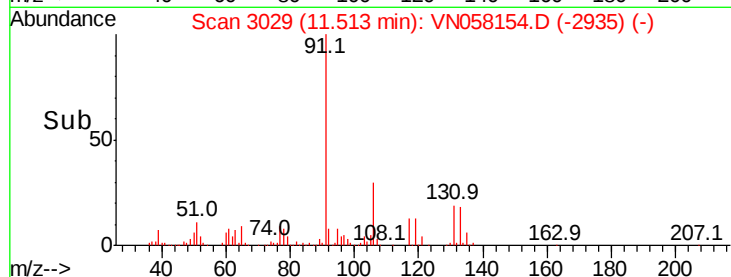
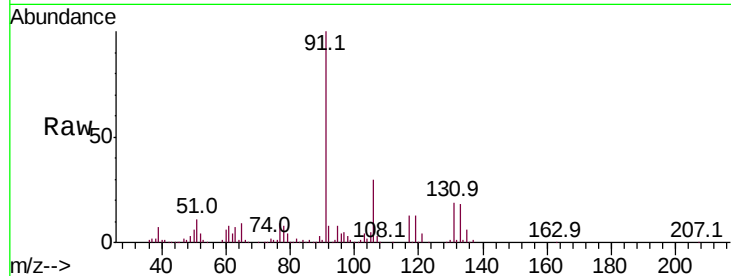




#67
Ethyl Benzene
Concen: 13.576 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

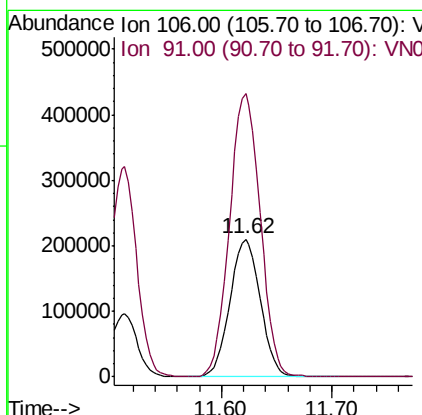
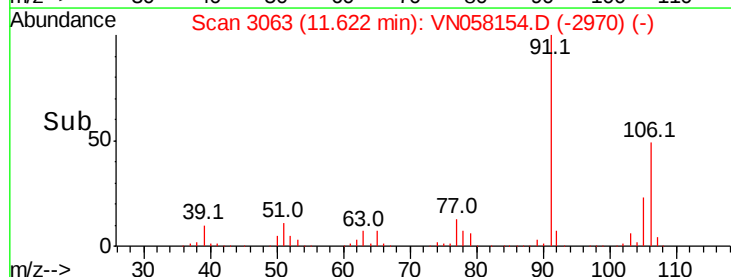
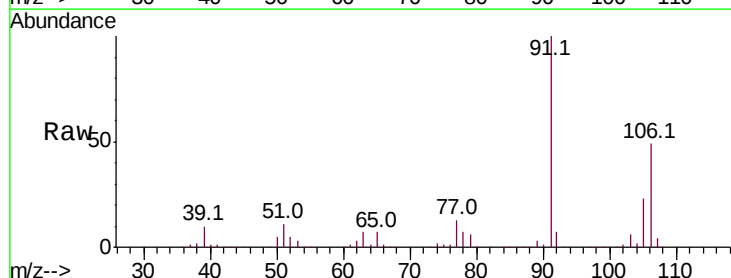
Instrument :
MSVOA_N
ClientSampled :

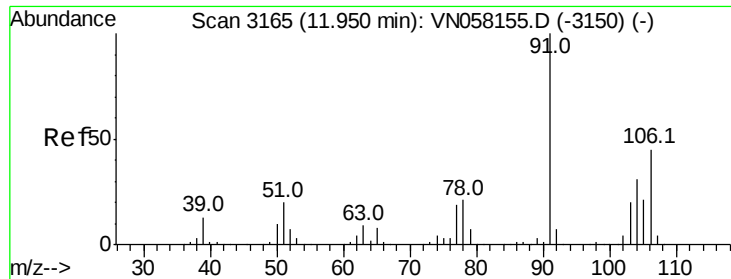
Tot Ion: 91 Resp: 540334
Ion Ratio Lower Upper
91 100
106 30.2 24.0 36.0



#68
m/p-Xylenes
Concen: 27.572 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion:106 Resp: 401832
Ion Ratio Lower Upper
106 100
91 208.1 163.6 245.4

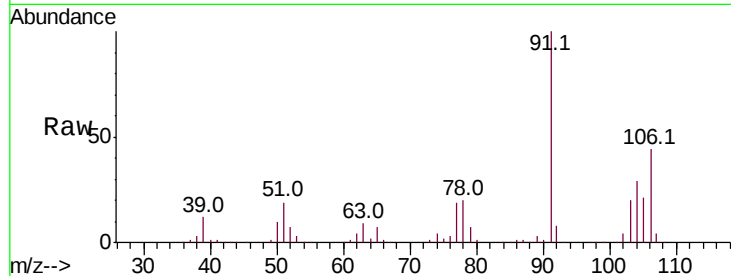




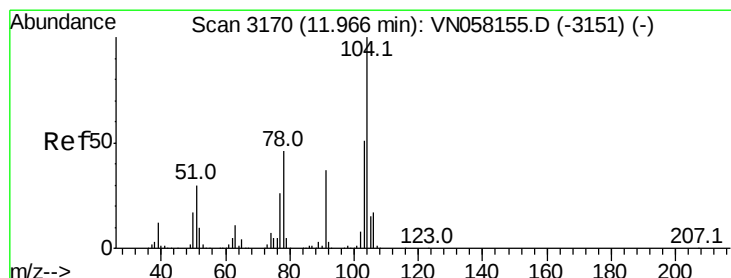
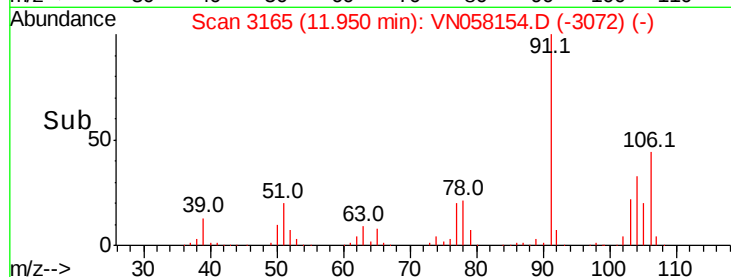
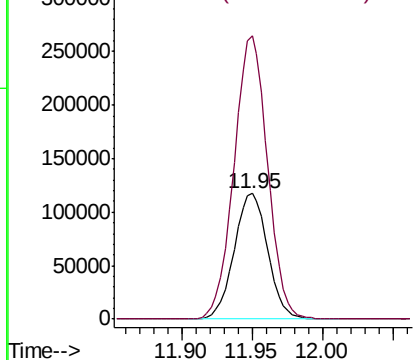
#69
o-Xylene
Concen: 13.548 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 195694
Ion Ratio Lower Upper
106 100
91 224.7 111.8 335.3

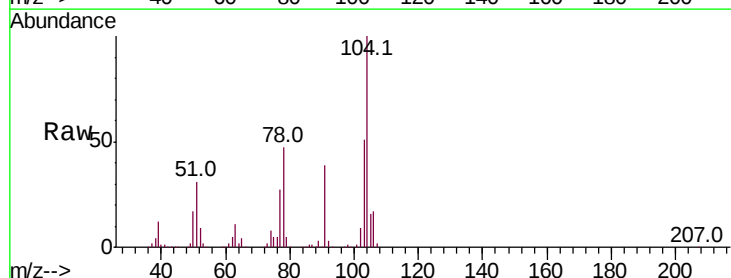


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

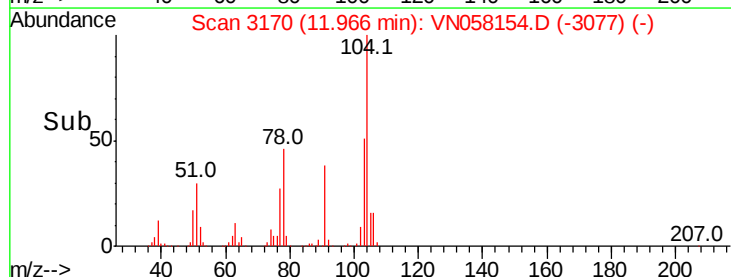
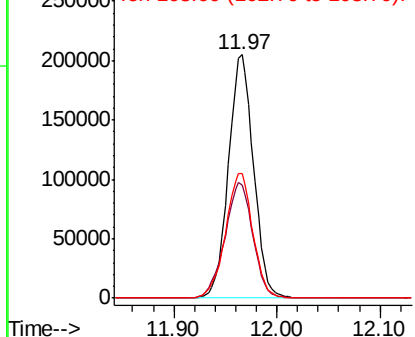


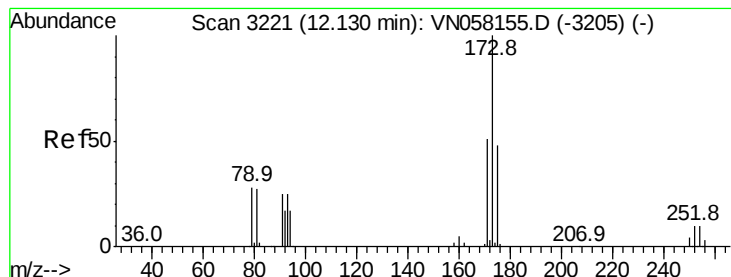
#70
Styrene
Concen: 14.003 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion:104 Resp: 348035
Ion Ratio Lower Upper
104 100
78 52.8 41.8 62.8
103 55.5 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 14.353 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampled :

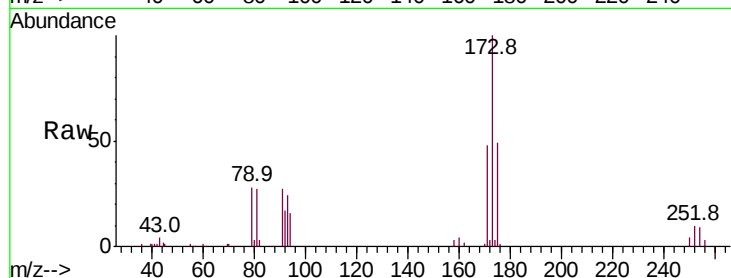
Tot Ion:173 Resp: 70504

Ion Ratio Lower Upper

173 100

175 48.6 24.2 72.6

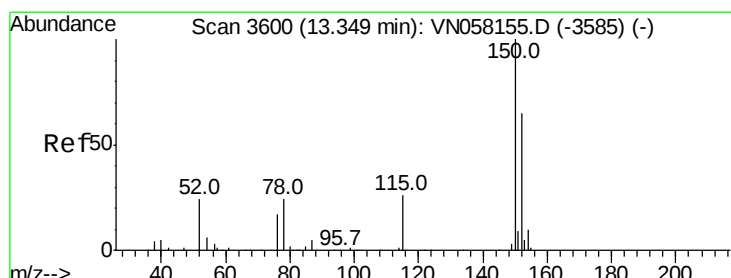
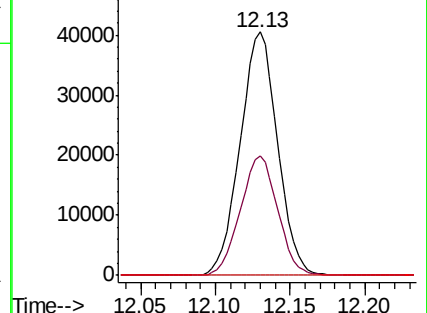
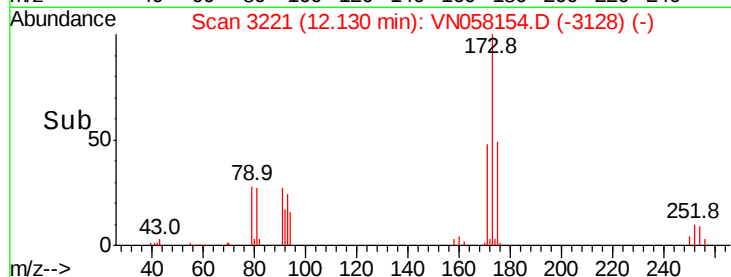
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

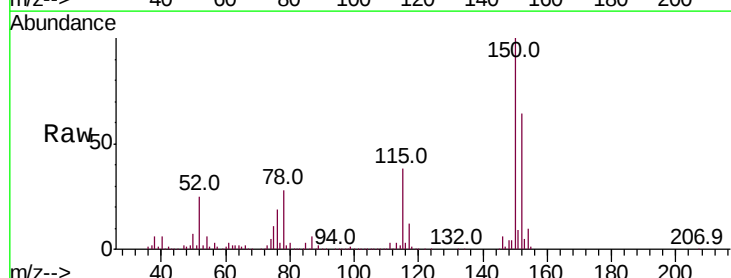
Tgt Ion:152 Resp: 440174

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.3

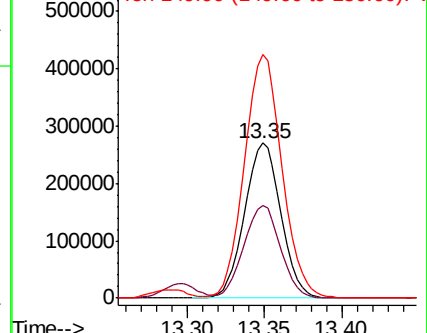
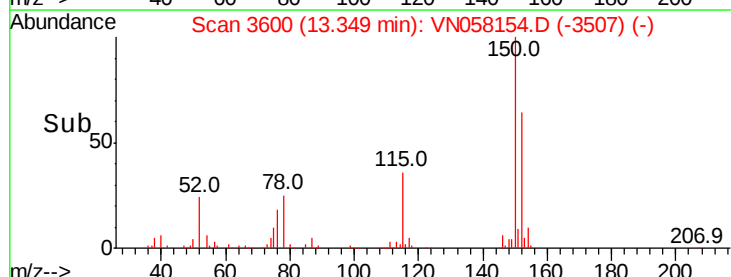
150 163.1 0.0 346.4

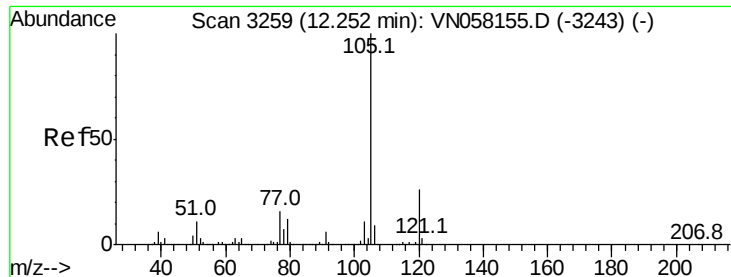


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 17.052 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

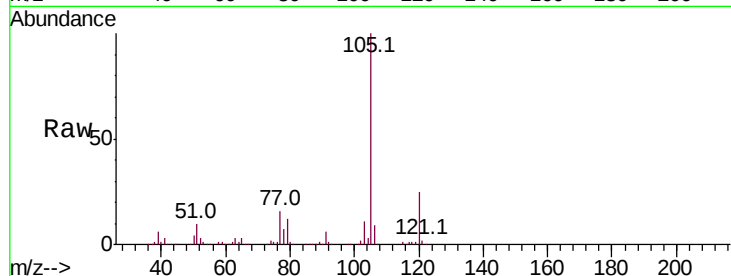
ClientSampleId :

Tot Ion:105 Resp: 562516

Ion Ratio Lower Upper

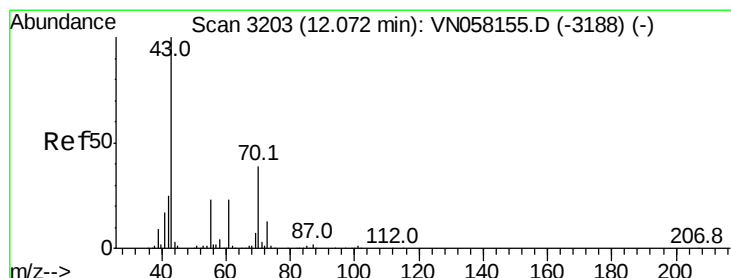
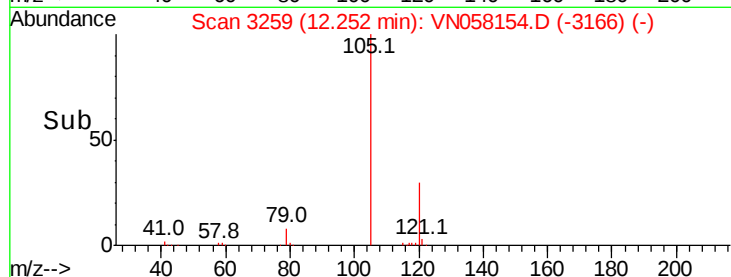
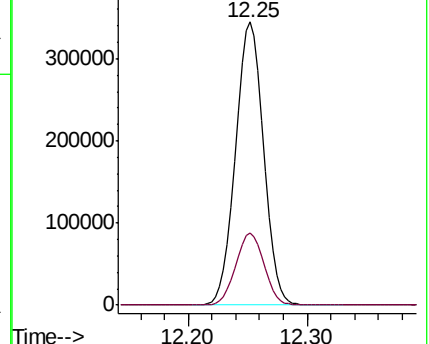
105 100

120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.117 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion: 43 Resp: 230089

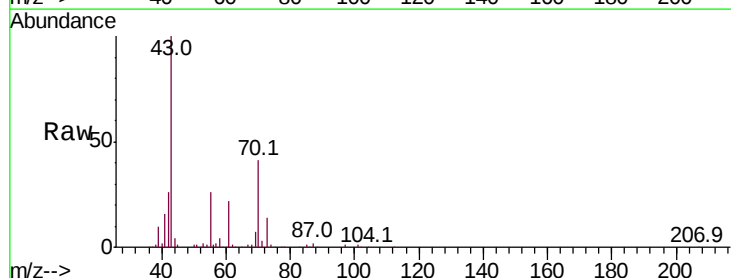
Ion Ratio Lower Upper

43 100

70 39.6 31.0 46.6

55 24.2 18.5 27.7

61 22.4 18.2 27.2

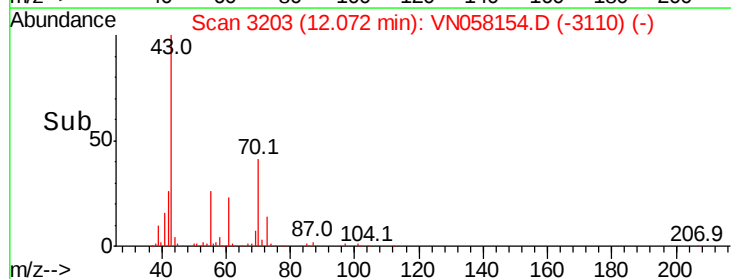
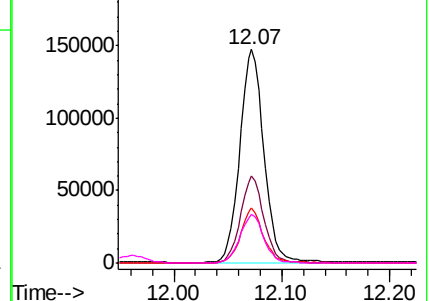


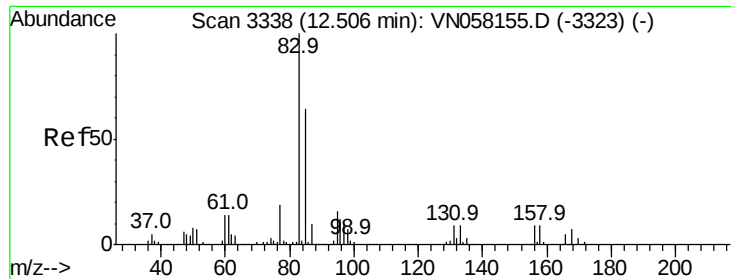
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 16.677 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampled :

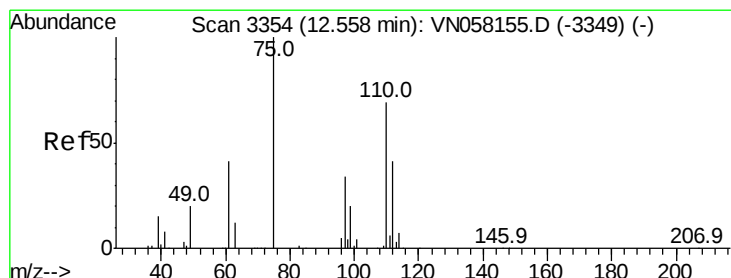
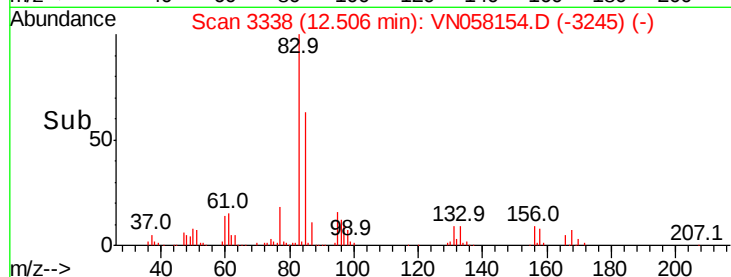
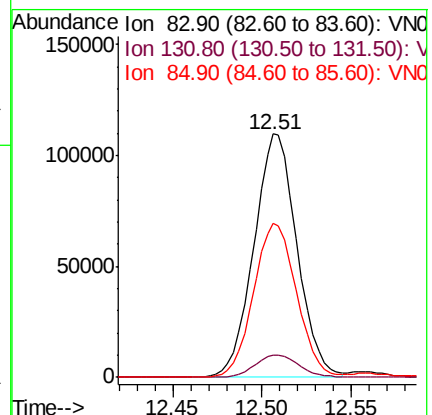
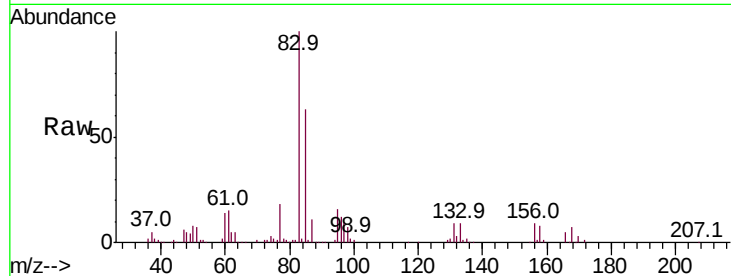
Tot Ion: 83 Resp: 185115

Ion Ratio Lower Upper

83 100

131 9.6 4.8 14.3

85 63.3 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 22.837 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058154.D

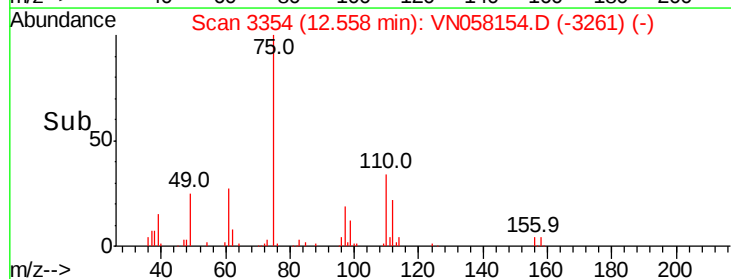
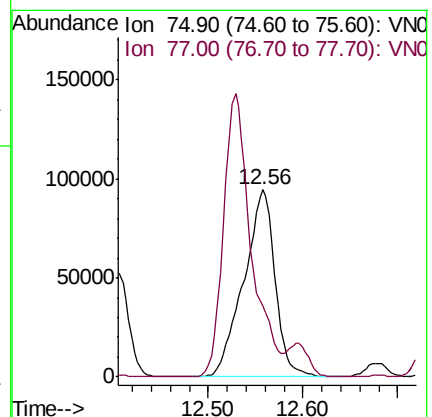
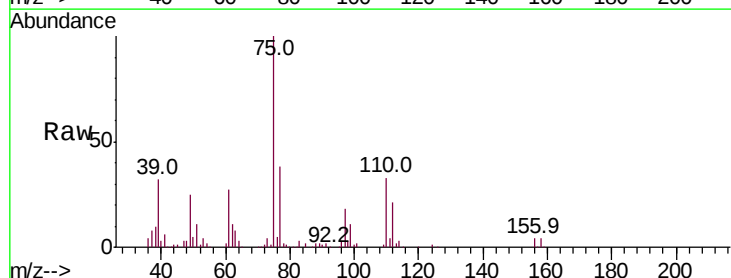
Acq: 18 Sep 2019 10:05

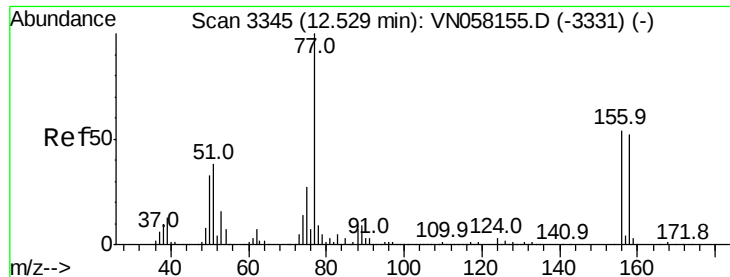
Tgt Ion: 75 Resp: 218116

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 16.288 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

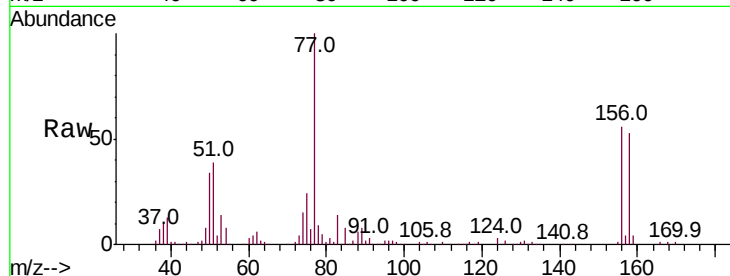
Tot Ion:156 Resp: 134686

Ion Ratio Lower Upper

156 100

77 215.9 111.7 335.1

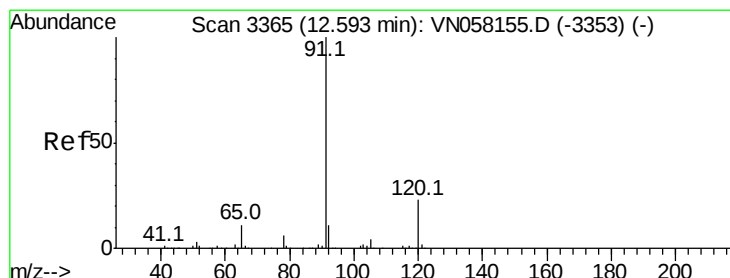
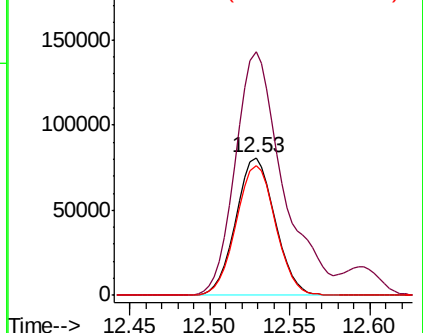
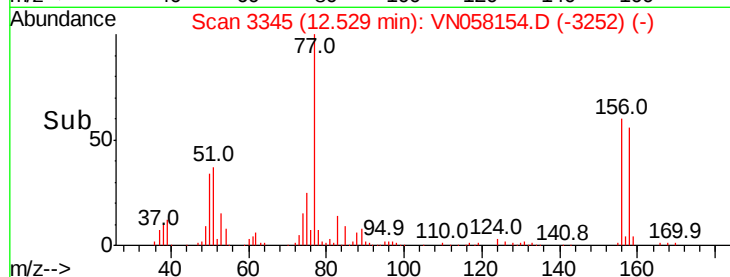
158 95.0 47.9 143.8



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: 17.280 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058154.D

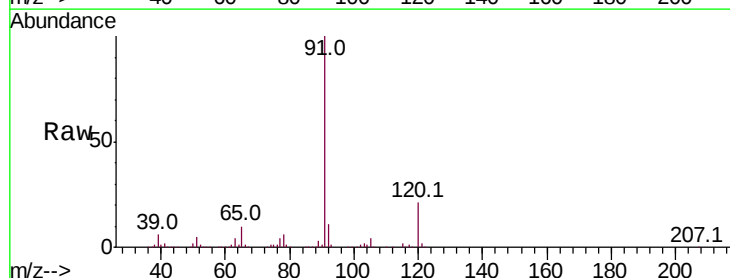
Acq: 18 Sep 2019 10:05

Tgt Ion: 91 Resp: 653621

Ion Ratio Lower Upper

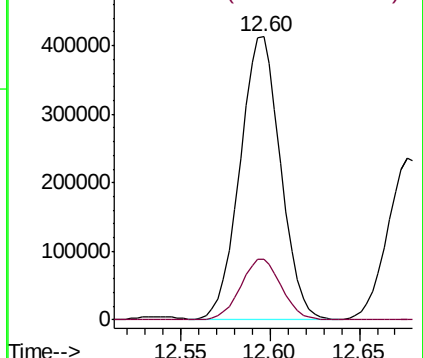
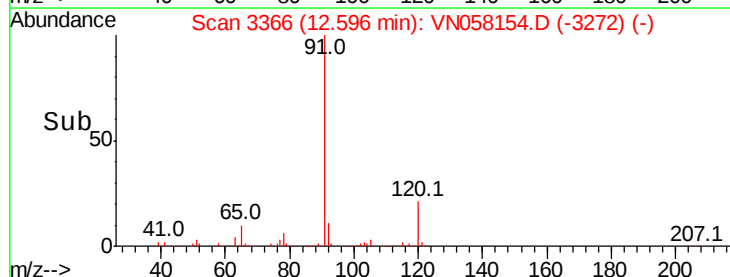
91 100

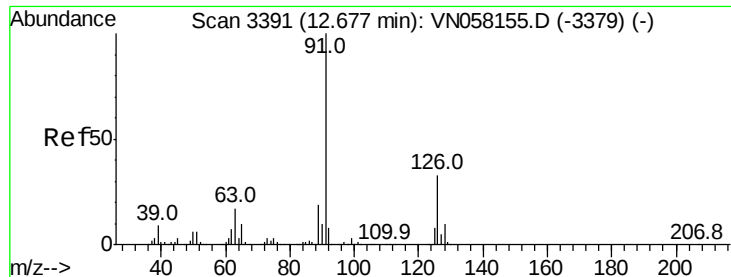
120 21.6 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.321 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

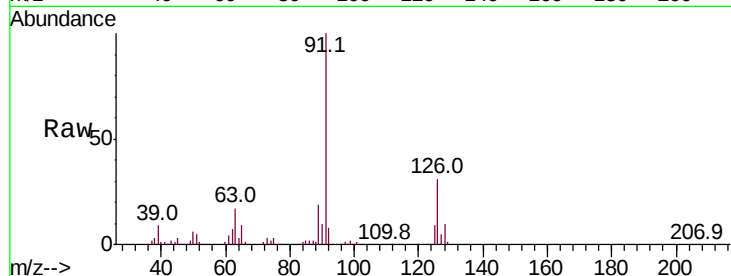
ClientSampleId :

Tot Ion: 91 Resp: 391160

Ion Ratio Lower Upper

91 100

126 31.9 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

300000

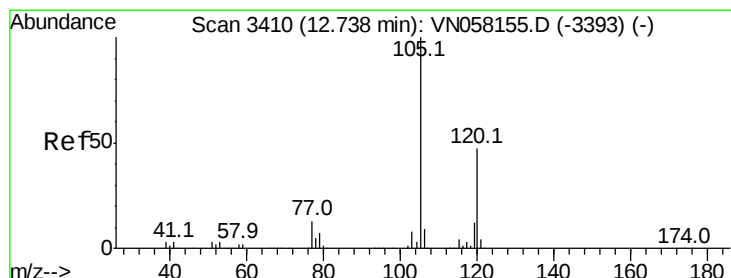
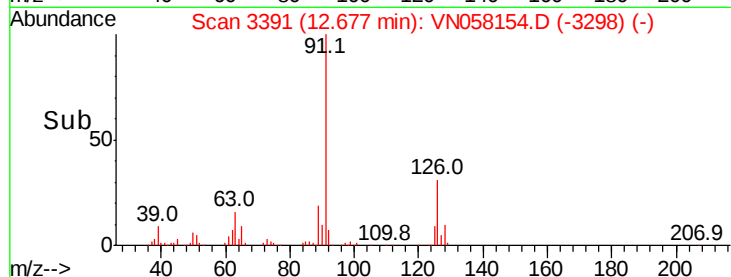
200000

100000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 17.240 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058154.D

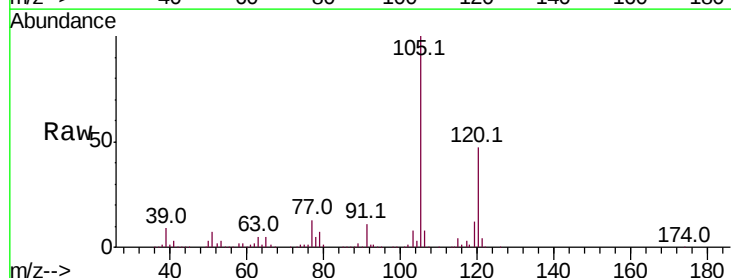
Acq: 18 Sep 2019 10:05

Tgt Ion:105 Resp: 481047

Ion Ratio Lower Upper

105 100

120 47.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

300000

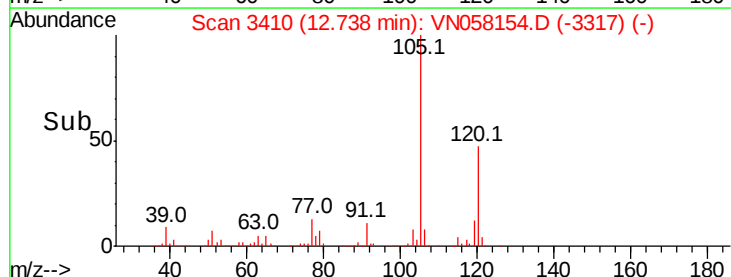
200000

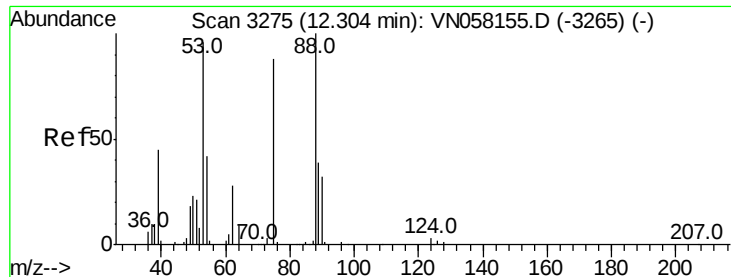
100000

0

12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 15.501 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

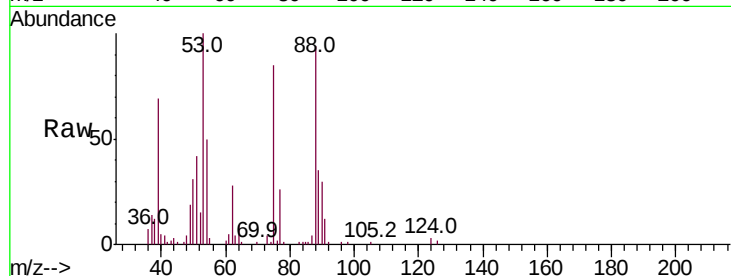
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 75 Resp: 41883

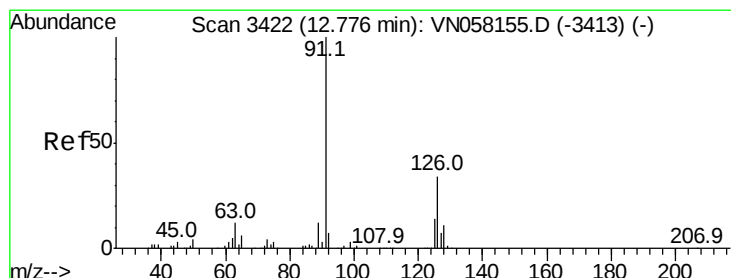
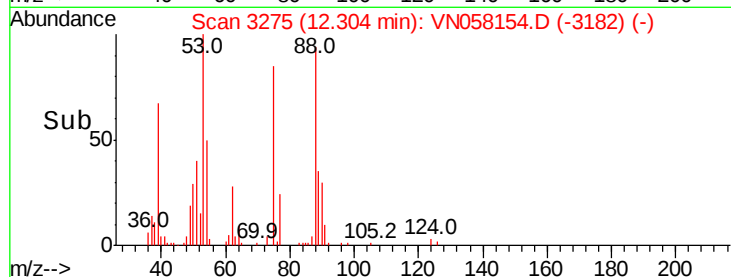
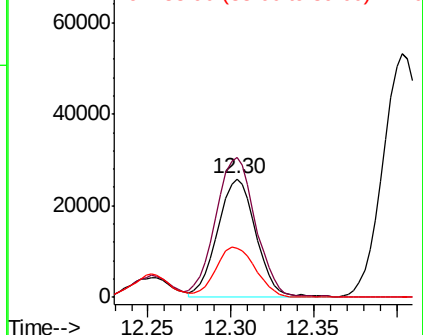
Ion	Ratio	Lower	Upper
75	100		
53	122.0	90.1	135.1
89	44.0	36.2	54.2



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 16.617 ug/l

RT: 12.78 min Scan# 3422

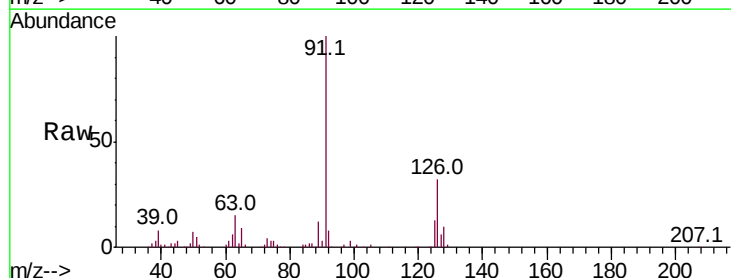
Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

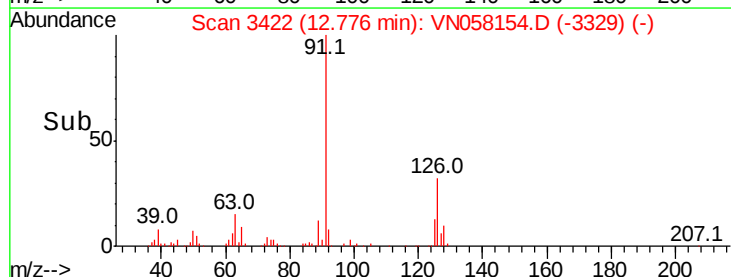
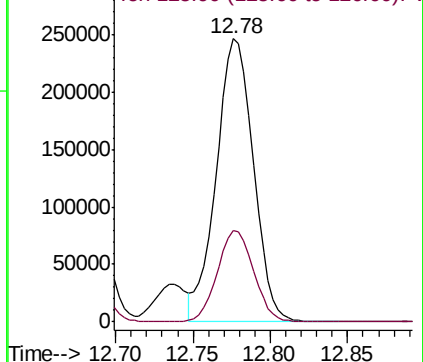
Tgt Ion: 91 Resp: 409025

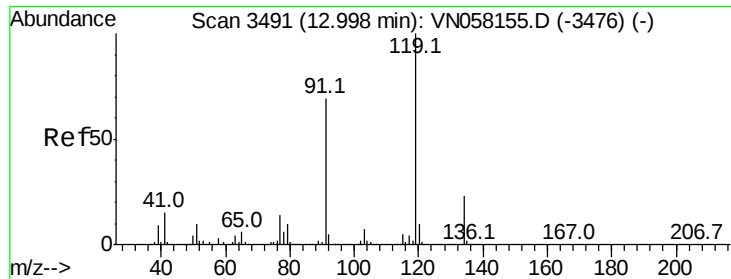
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.7	47.1



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 125.90 (125.60 to 126.60): VNO





#83

tert-Butylbenzene

Concen: 17.022 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

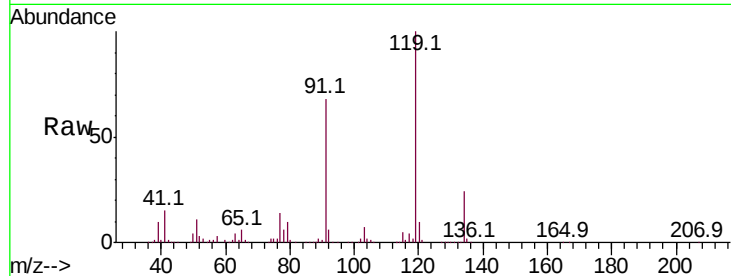
Tot Ion:119 Resp: 422052

Ion Ratio Lower Upper

119 100

91 66.7 33.8 101.3

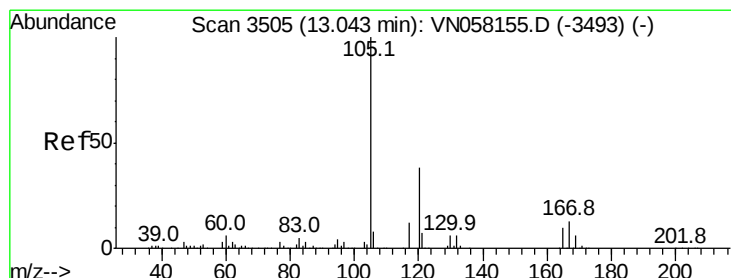
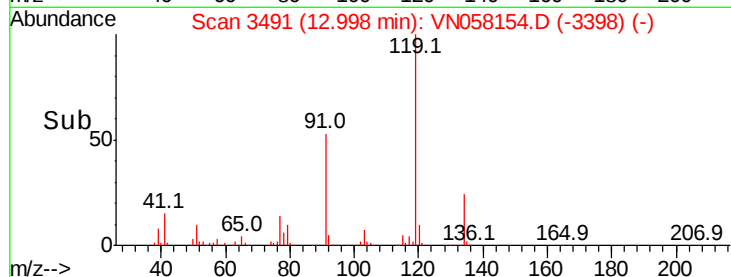
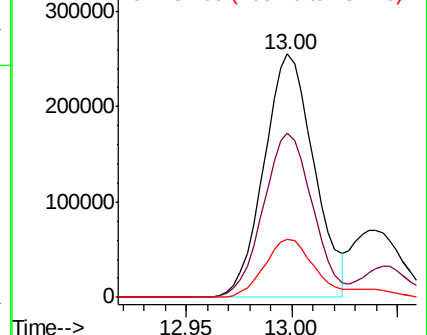
134 26.3 11.6 34.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 17.048 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN058154.D

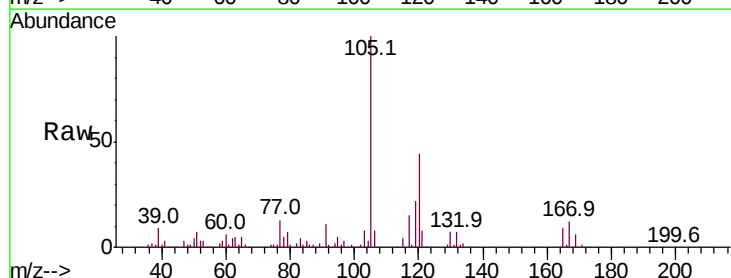
Acq: 18 Sep 2019 10:05

Tgt Ion:105 Resp: 482120

Ion Ratio Lower Upper

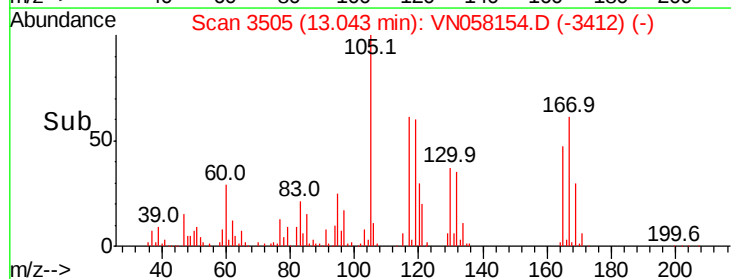
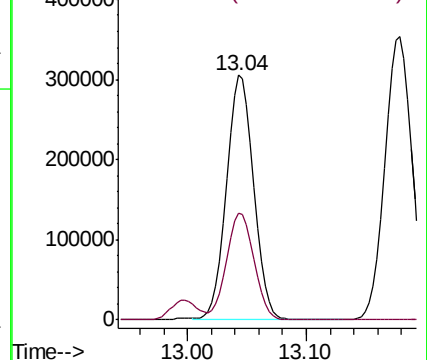
105 100

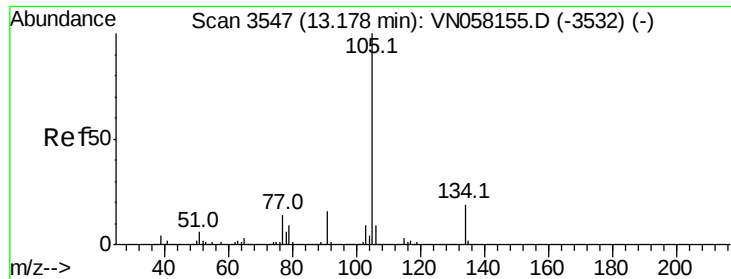
120 44.2 22.1 66.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

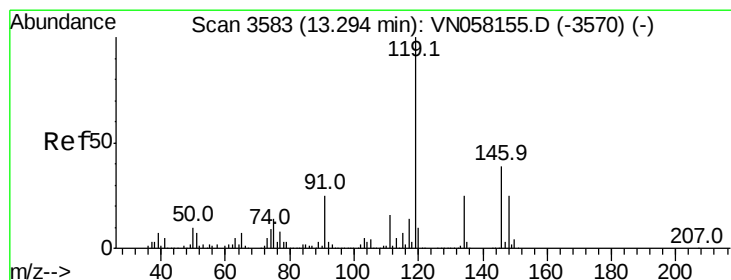
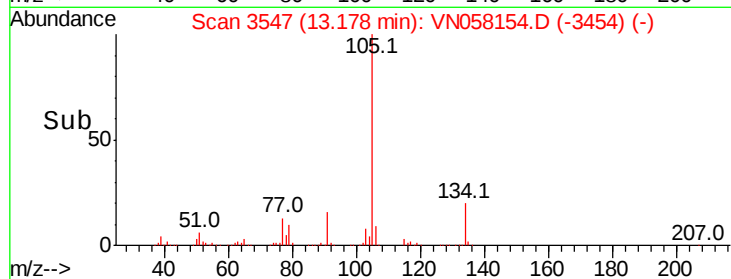
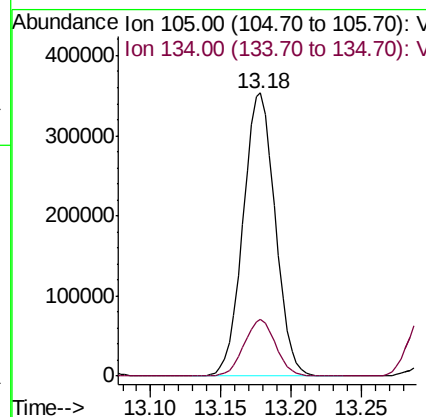
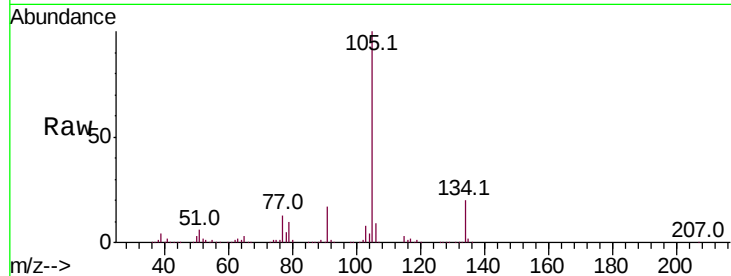




#85
 sec-Butylbenzene
 Concen: 17.165 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

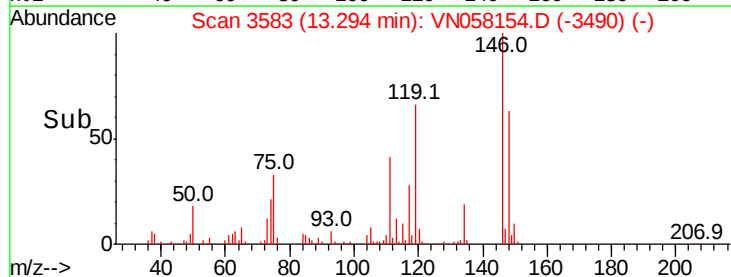
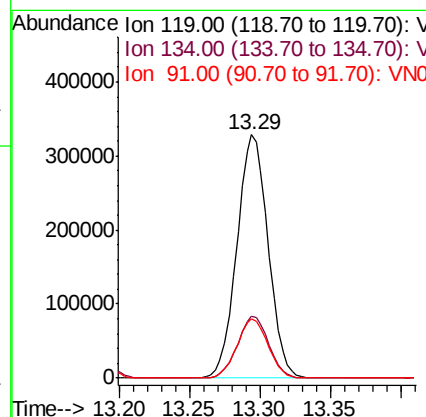
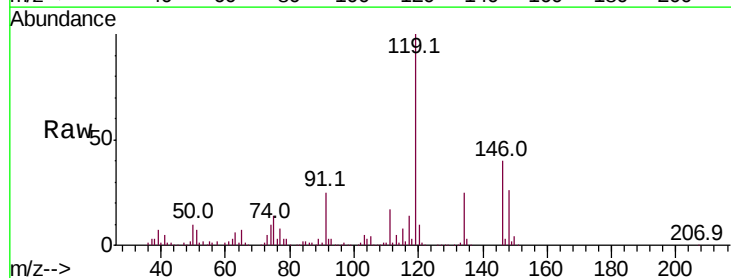
Instrument :
 MSVOA_N
 ClientSampleId :

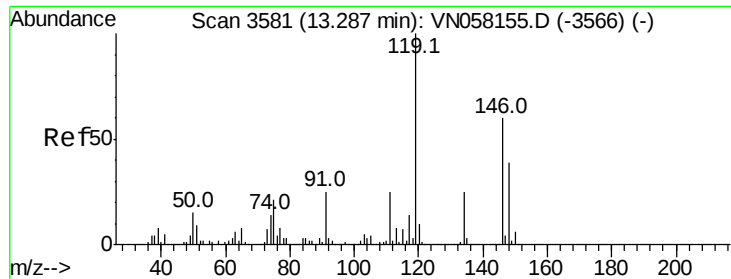
Tot Ion:105 Resp: 563329
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.5 28.5



#86
 p-Isopropyltoluene
 Concen: 17.581 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion:119 Resp: 507686
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.7 38.0
 91 24.5 12.3 36.8

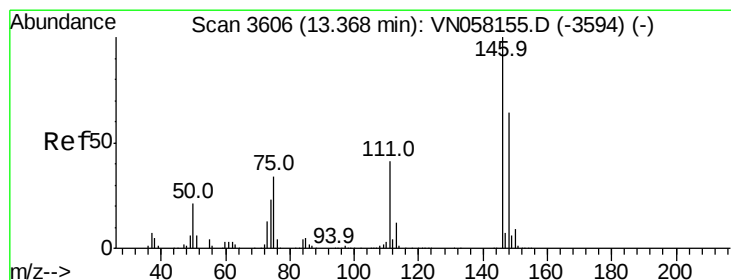
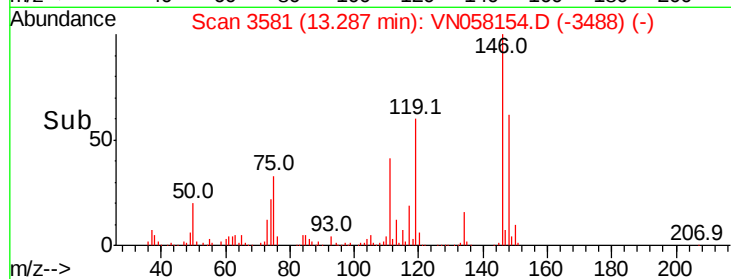
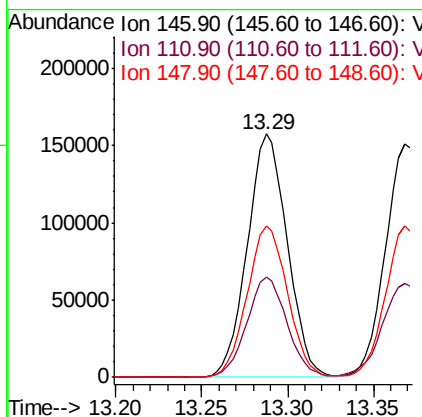
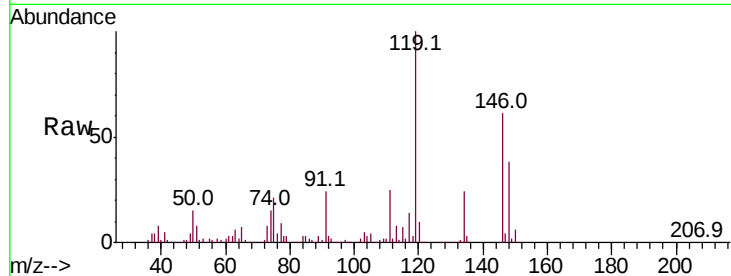




#87
 1,3-Dichlorobenzene
 Concen: 16.816 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

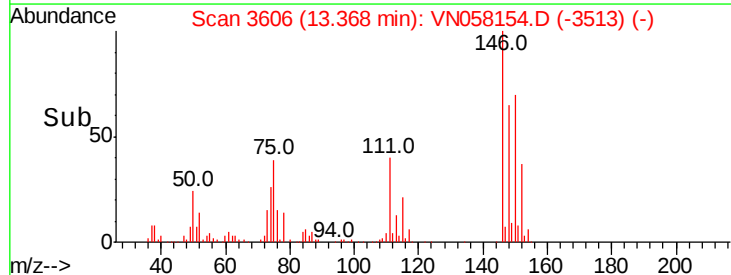
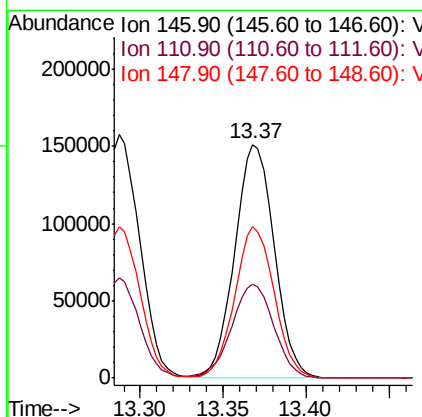
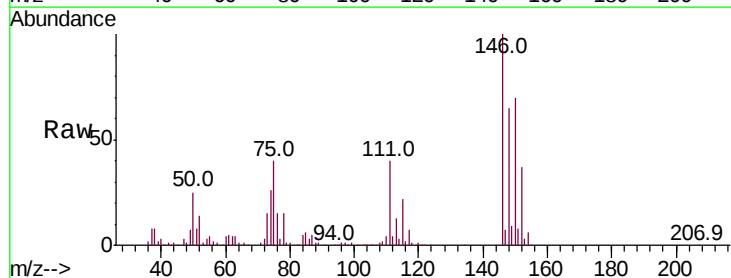
Instrument :
 MSVOA_N
 ClientSampleId :

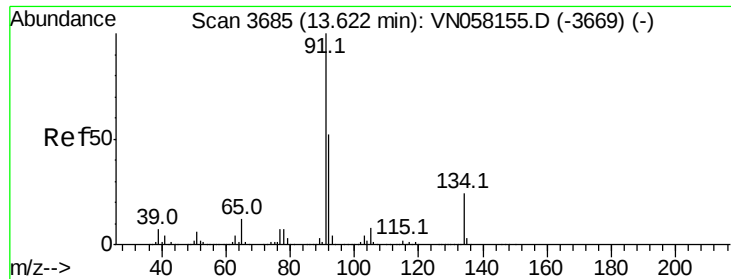
Tot Ion:146 Resp: 254001
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.9 62.8
 148 63.0 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 16.214 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion:146 Resp: 249452
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.5 61.5
 148 65.2 31.9 95.5

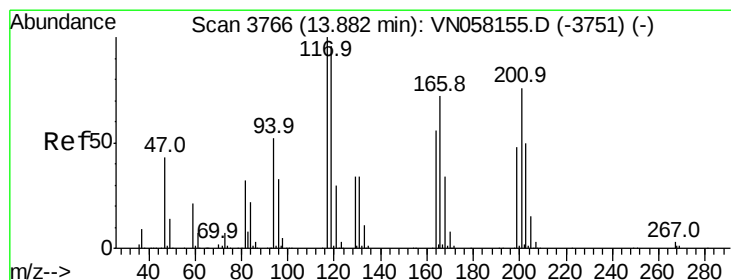
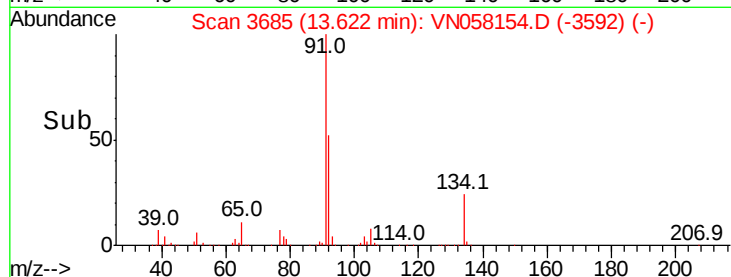
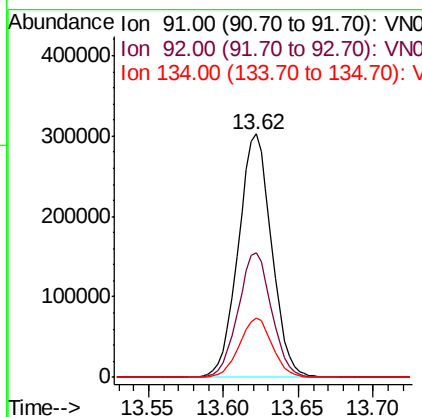
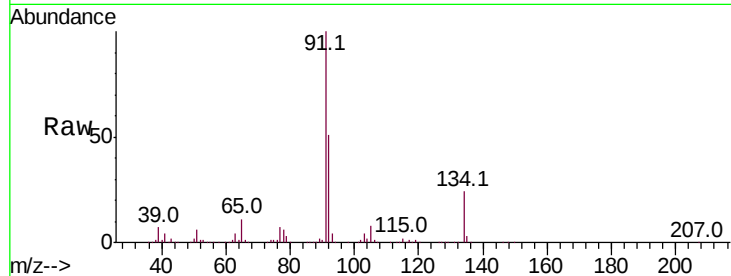




#89
n-Butylbenzene
Concen: 17.144 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

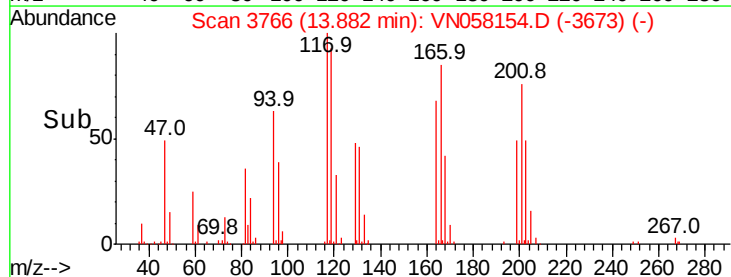
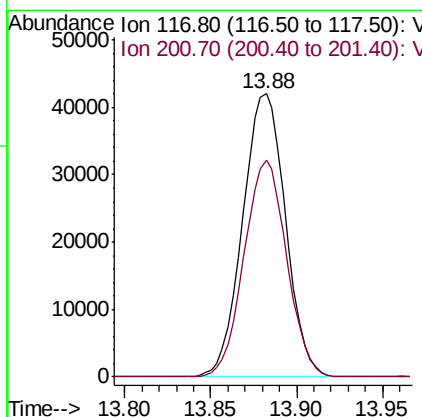
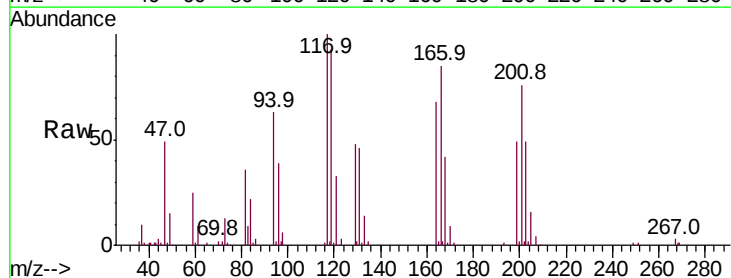
Instrument :
MSVOA_N
ClientSampleId :

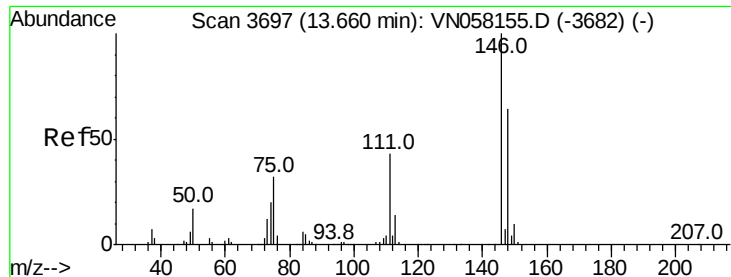
Tot Ion: 91 Resp: 469149
Ion Ratio Lower Upper
91 100
92 51.3 25.7 77.0
134 24.1 11.8 35.4



#90
Hexachloroethane
Concen: 16.794 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058154.D
Acq: 18 Sep 2019 10:05

Tgt Ion: 117 Resp: 72531
Ion Ratio Lower Upper
117 100
201 76.2 37.5 112.5





#91

1,2-Dichlorobenzene

Concen: 16.765 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Instrument :

MSVOA_N

ClientSampleId :

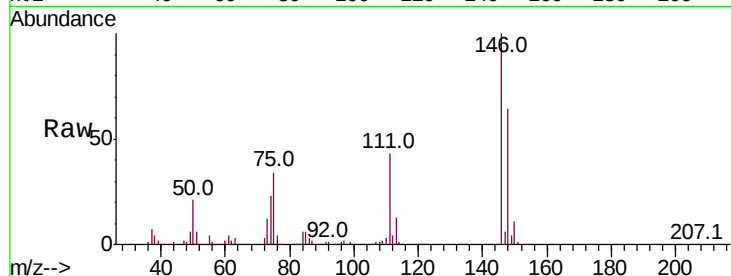
Tot Ion:146 Resp: 253674

Ion Ratio Lower Upper

146 100

111 43.6 21.1 63.1

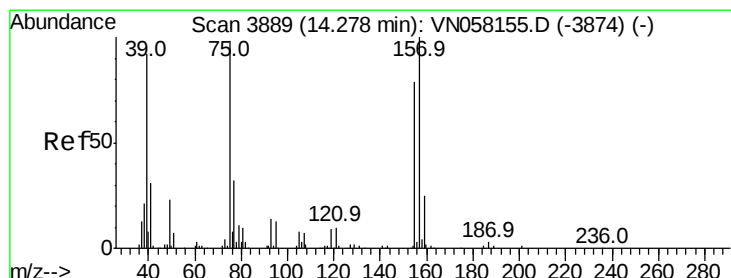
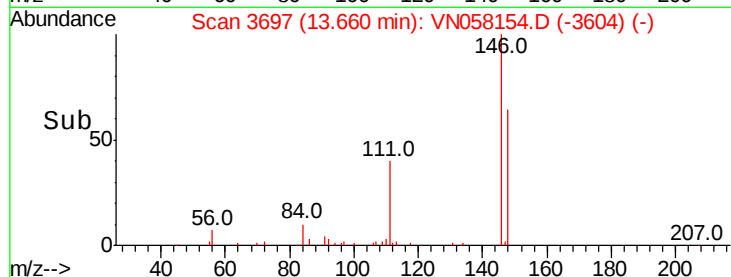
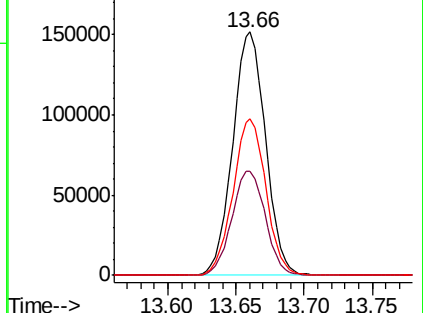
148 64.3 31.8 95.4



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: 17.826 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

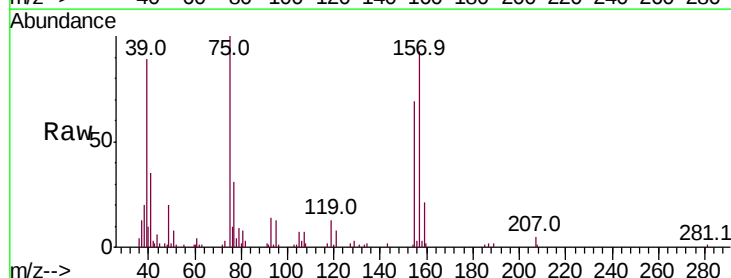
Tgt Ion: 75 Resp: 32818

Ion Ratio Lower Upper

75 100

155 70.0 38.3 114.8

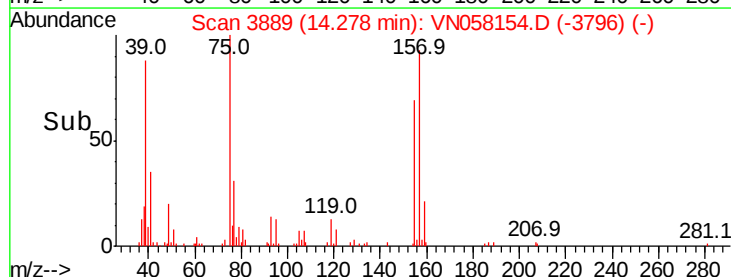
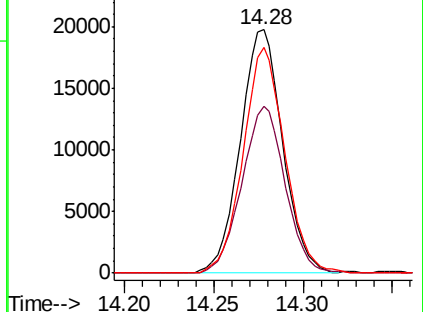
157 91.0 48.0 144.0

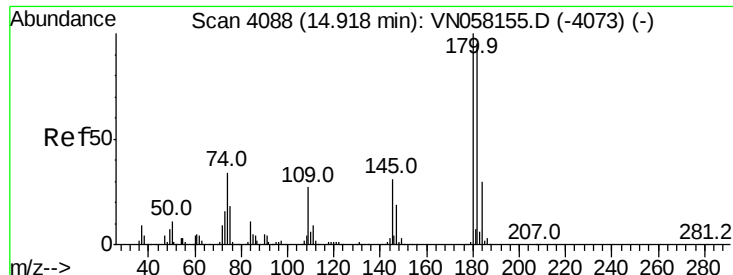


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

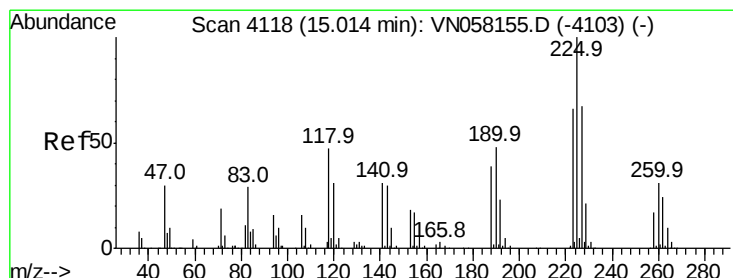
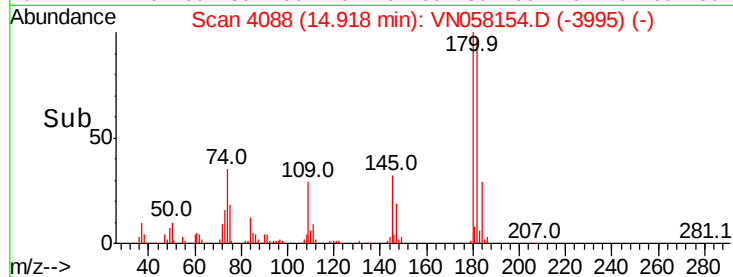
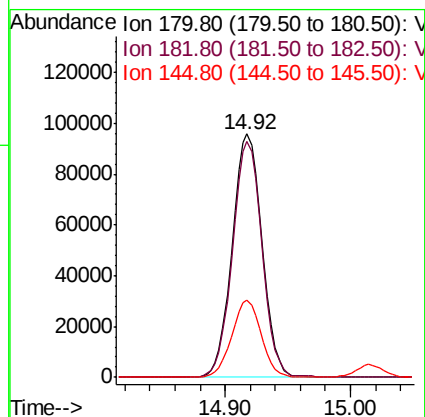
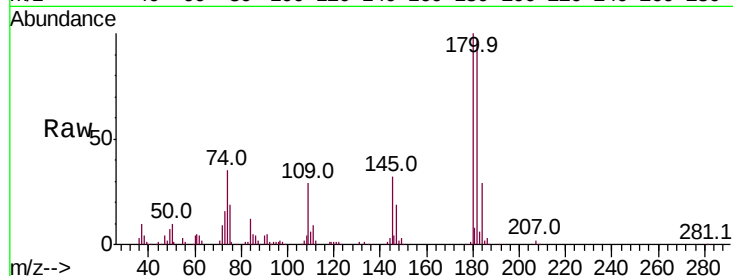




#93
 1,2,4-Trichlorobenzene
 Concen: 15.796 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

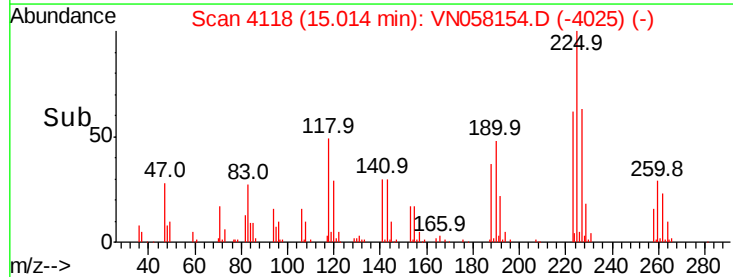
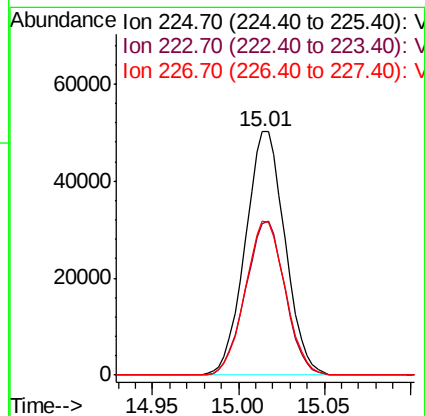
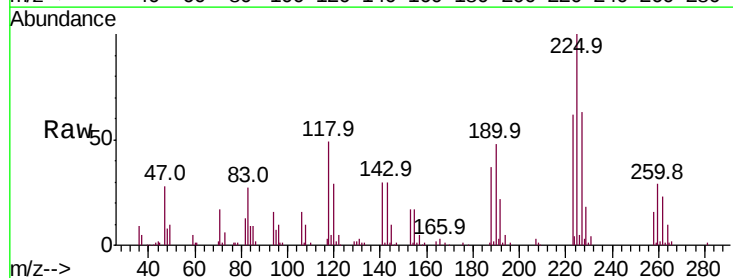
Instrument :
 MSVOA_N
 ClientSampled :

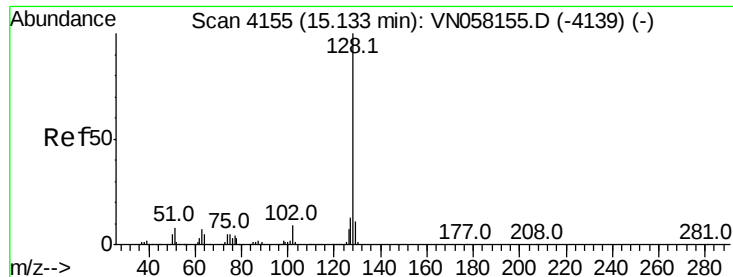
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.8	143.3
145	31.2	15.4	46.4



#94
 Hexachlorobutadiene
 Concen: 18.743 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058154.D
 Acq: 18 Sep 2019 10:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	32.6	97.7
227	63.6	33.0	99.0





#95

Naphthalene

Concen: 14.825 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

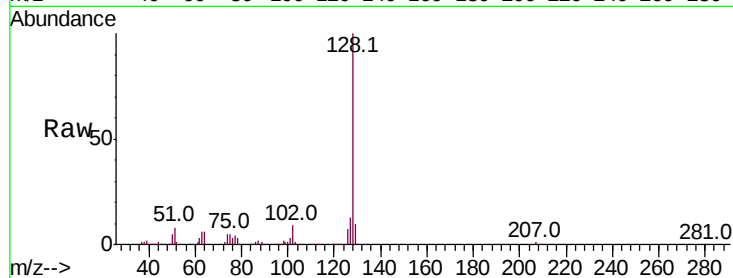
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 424679

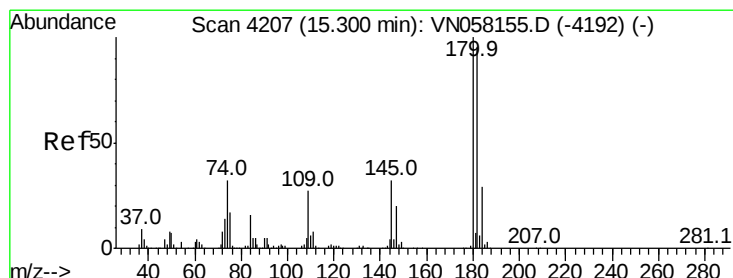
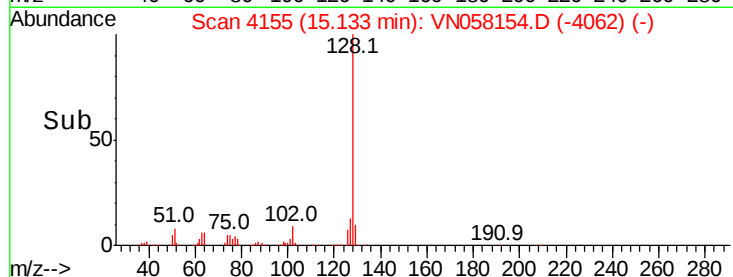
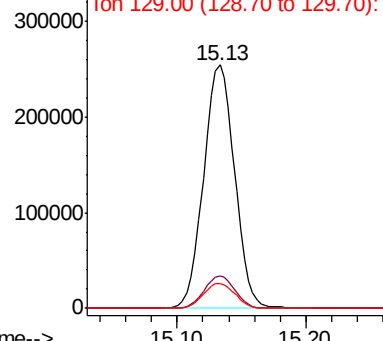
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	10.5	8.6	12.8



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: 15.273 ug/l

RT: 15.30 min Scan# 4207

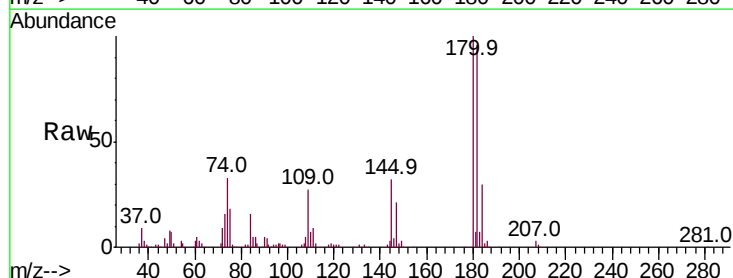
Delta R.T. 0.00 min

Lab File: VN058154.D

Acq: 18 Sep 2019 10:05

Tgt Ion:180 Resp: 149361

Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.4	142.2
145	31.8	16.1	48.2



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

