

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090119\
 Data File : VN057612.D
 Acq On : 31 Aug 2019 13:35
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 31 15:17:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	177626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	295555	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	270183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	111268	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	79730	24.04	ug/l	0.00
Spiked Amount			Recovery	=	48.08%	
35) Dibromofluoromethane	7.58	113	50167	23.51	ug/l	0.00
Spiked Amount			Recovery	=	47.02%	
50) Toluene-d8	10.08	98	202872	25.14	ug/l	0.00
Spiked Amount			Recovery	=	50.28%	
62) 4-Bromofluorobenzene	12.40	95	68177	24.46	ug/l	0.00
Spiked Amount			Recovery	=	48.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	56559	25.318	ug/l	98
3) Chloromethane	2.05	50	68714	22.234	ug/l	97
4) Vinyl Chloride	2.18	62	52775	15.112	ug/l	100
5) Bromomethane	2.51	94	33459	15.631	ug/l	97
6) Chloroethane	2.66	64	29539	13.265	ug/l	98
7) Trichlorofluoromethane	2.99	101	74354	13.766	ug/l	97
8) Diethyl Ether	3.40	74	24992	12.400	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	37295	12.558	ug/l	98
10) Methyl Iodide	3.92	142	49744	21.095	ug/l	98
11) Tert butyl alcohol	4.82	59	41528	103.724	ug/l #	88
12) 1,1-Dichloroethene	3.71	96	33753	11.895	ug/l	97
13) Acrolein	3.59	56	17840	58.240	ug/l	98
14) Allyl chloride	4.29	41	101784	22.190	ug/l	98
15) Acrylonitrile	4.97	53	128539	117.188	ug/l	99
16) Acetone	3.81	43	125254	84.877	ug/l	98
17) Carbon Disulfide	4.02	76	102457	17.641	ug/l	96
18) Methyl Acetate	4.31	43	78839	20.622	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	176667	23.122	ug/l	95
20) Methylene Chloride	4.52	84	57947	23.449	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	51539	23.073	ug/l	92
22) Diisopropyl ether	5.94	45	215312	23.771	ug/l	100
23) Vinyl Acetate	5.88	43	853267	119.686	ug/l	100
24) 1,1-Dichloroethane	5.82	63	110256	23.179	ug/l	99
25) 2-Butanone	6.83	43	194695	118.438	ug/l	96
26) 2,2-Dichloropropane	6.80	77	86187	21.146	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	61048	23.135	ug/l	97
28) Bromochloromethane	7.18	49	60486	24.130	ug/l	97
29) Tetrahydrofuran	7.20	42	119547	111.928	ug/l	100
30) Chloroform	7.36	83	111909	22.651	ug/l	95
31) Cyclohexane	7.63	56	109619	23.766	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	89425	22.068	ug/l	98
36) 1,1-Dichloropropene	7.78	75	83495	25.885	ug/l	97
37) Ethyl Acetate	6.92	43	80344	25.363	ug/l	99
38) Carbon Tetrachloride	7.76	117	68009	21.697	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:14:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	95544	25.010	ug/l	95
40) Benzene	8.03	78	237113	24.666	ug/l	98
41) Methacrylonitrile	7.17	41	42113	27.391	ug/l	93
42) 1,2-Dichloroethane	8.11	62	93784	24.972	ug/l	99
43) Isopropyl Acetate	8.16	43	135313	23.329	ug/l	99
44) Trichloroethene	8.83	130	52211	24.423	ug/l	90
45) 1,2-Dichloropropane	9.11	63	64049	23.667	ug/l	99
46) Dibromomethane	9.20	93	40271	23.437	ug/l	96
47) Bromodichloromethane	9.40	83	78405	22.015	ug/l	98
48) Methyl methacrylate	9.19	41	69306	24.855	ug/l	97
49) 1,4-Dioxane	9.20	88	16560	471.013	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	409230	125.291	ug/l	99
52) Toluene	10.15	92	138710	24.908	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	76311	20.560	ug/l	92
54) cis-1,3-Dichloropropene	9.83	75	91934	22.199	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	52151	23.328	ug/l	96
56) Ethyl methacrylate	10.43	69	85269	24.155	ug/l	98
57) 1,3-Dichloropropane	10.71	76	97241	24.840	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	115113	134.339	ug/l	98
59) 2-Hexanone	10.75	43	297214	131.932	ug/l	99
60) Dibromochloromethane	10.90	129	48611	20.856	ug/l	100
61) 1,2-Dibromoethane	11.00	107	52616	24.057	ug/l	96
64) Tetrachloroethene	10.63	164	49576	24.748	ug/l	99
65) Chlorobenzene	11.43	112	136994	23.723	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	46307	21.323	ug/l	99
67) Ethyl Benzene	11.51	91	266568	23.810	ug/l	99
68) m/p-Xylenes	11.62	106	184265	48.414	ug/l	98
69) o-Xylene	11.95	106	90139	24.001	ug/l	97
70) Styrene	11.96	104	145332	24.249	ug/l	99
71) Bromoform	12.13	173	27178	18.722	ug/l #	99
73) Isopropylbenzene	12.25	105	252923	19.841	ug/l	99
74) N-amyl acetate	12.07	43	117587	20.090	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	76565	20.469	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	93554	32.007	ug/l #	100
77) Bromobenzene	12.53	156	52678	20.648	ug/l	98
78) n-propylbenzene	12.59	91	262787	19.380	ug/l	98
79) 2-Chlorotoluene	12.68	91	171179	21.059	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	202908	20.140	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17778	16.366	ug/l	99
82) 4-Chlorotoluene	12.78	91	156506	20.183	ug/l	100
83) tert-Butylbenzene	12.99	119	172865	19.336	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	194291	21.759	ug/l	100
85) sec-Butylbenzene	13.17	105	224655	20.451	ug/l	100
86) p-Isopropyltoluene	13.29	119	178105	19.899	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	78701	21.126	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	74305	20.509	ug/l	97
89) n-Butylbenzene	13.62	91	176060	23.148	ug/l	98
90) Hexachloroethane	13.88	117	30013	14.953	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	76978	21.616	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10278	17.208	ug/l	99

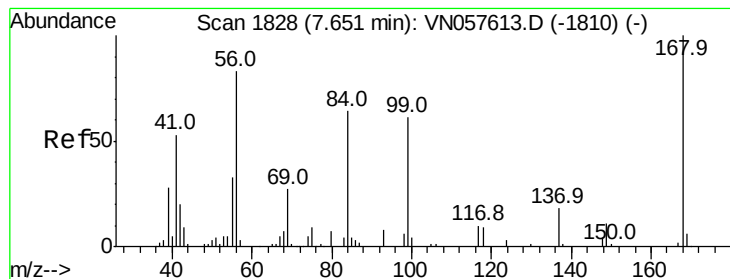
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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:14:23 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	22078	16.947	ug/l	99
94) Hexachlorobutadiene	15.01	225	26157	23.131	ug/l	98
95) Naphthalene	15.13	128	68502	16.044	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	21754	15.908	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

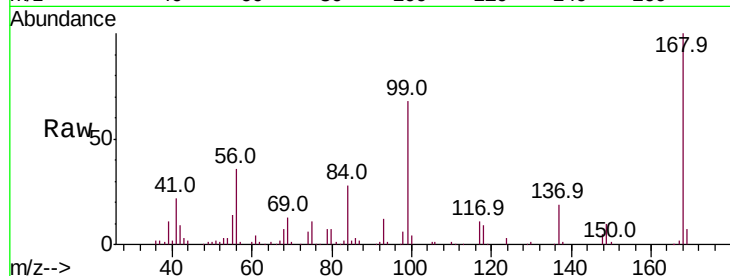
ClientSampled :

Tot Ion:168 Resp: 177626

Ion Ratio Lower Upper

168 100

99 68.2 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

40000

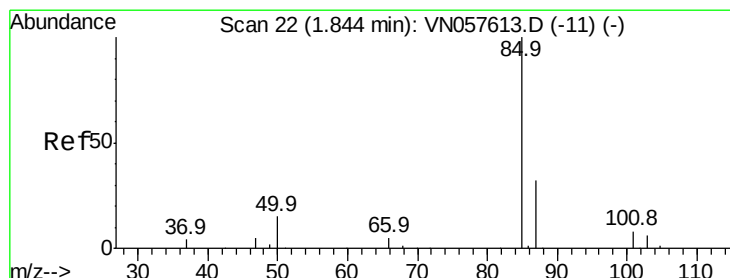
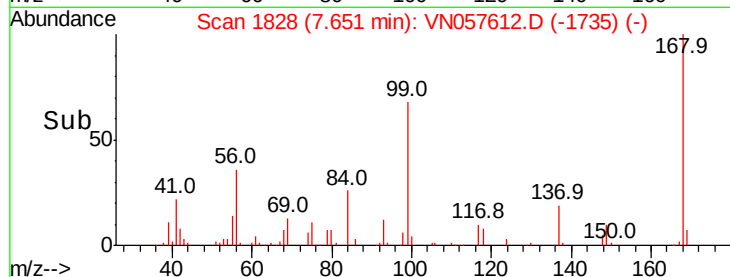
20000

0

Time-->

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 25.318 ug/l

RT: 1.84 min Scan# 22

Delta R.T. -0.00 min

Lab File: VN057612.D

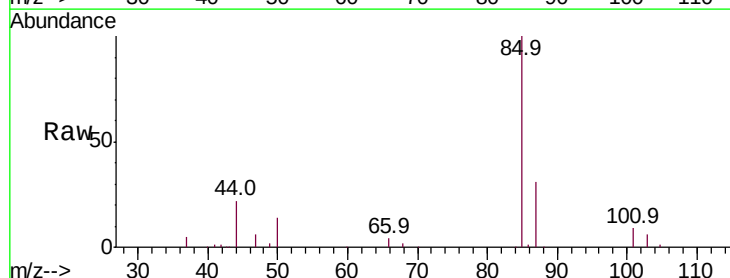
Acq: 31 Aug 2019 13:35

Tgt Ion: 85 Resp: 56559

Ion Ratio Lower Upper

85 100

87 31.3 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

40000

30000

20000

10000

0

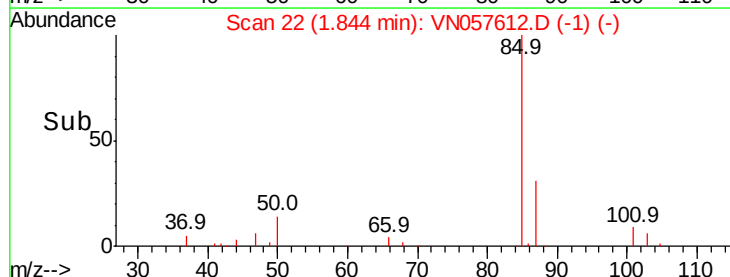
Time-->

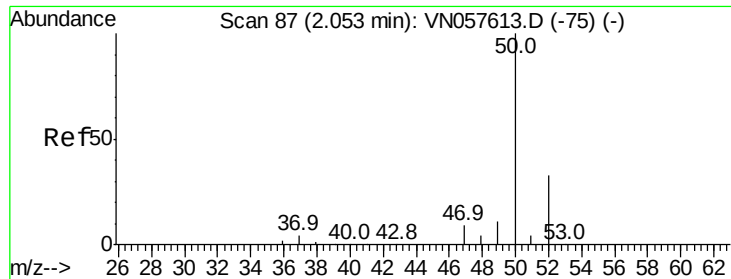
1.80

1.85

1.90

1.95





#3

Chloromethane

Concen: 22.234 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

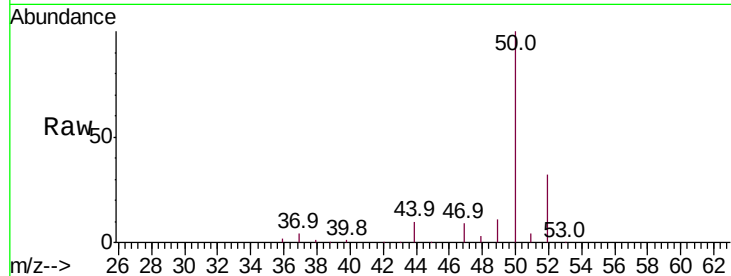
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 68714

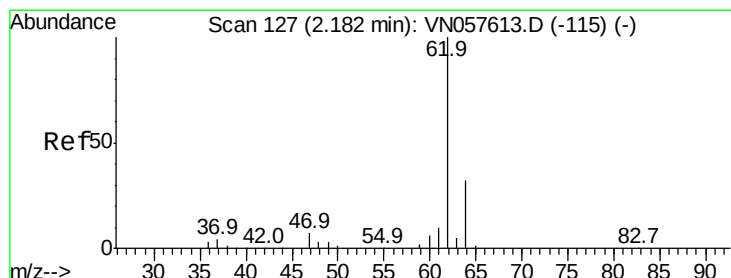
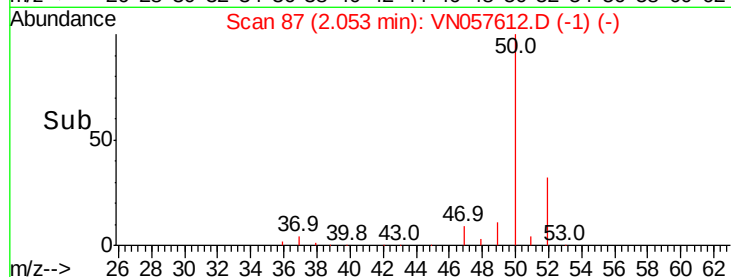
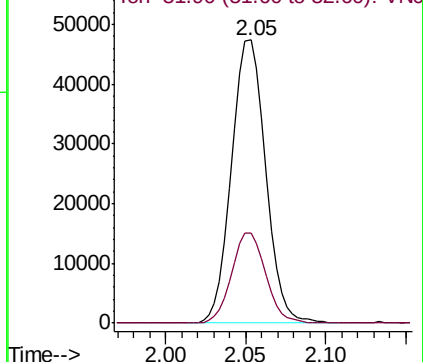
Ion Ratio Lower Upper

50 100

52 31.7 26.7 40.1



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



#4

Vinyl Chloride

Concen: 15.112 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN057612.D

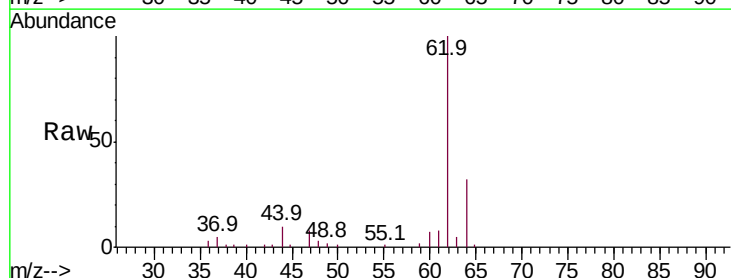
Acq: 31 Aug 2019 13:35

Tgt Ion: 62 Resp: 52775

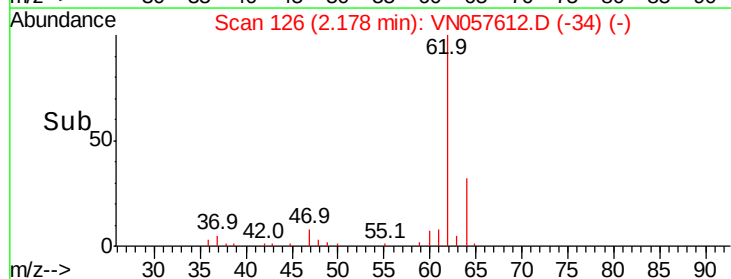
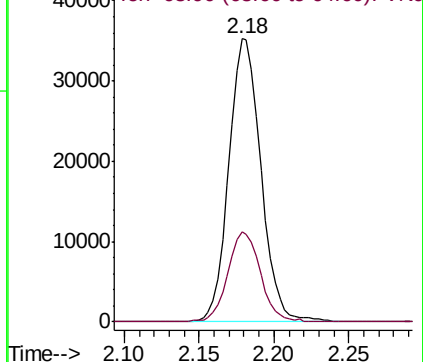
Ion Ratio Lower Upper

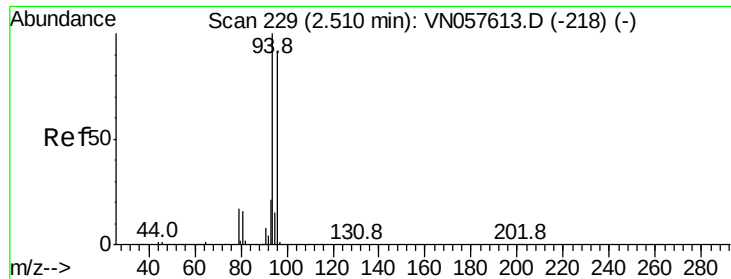
62 100

64 31.6 25.2 37.8



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





#5

Bromomethane

Concen: 15.631 ug/l

RT: 2.51 min Scan# 229

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

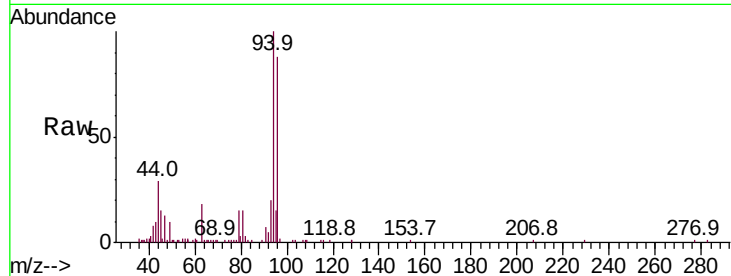
ClientSampled :

Tot Ion: 94 Resp: 33459

Ion Ratio Lower Upper

94 100

96 88.0 72.9 109.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.51

30000

25000

20000

15000

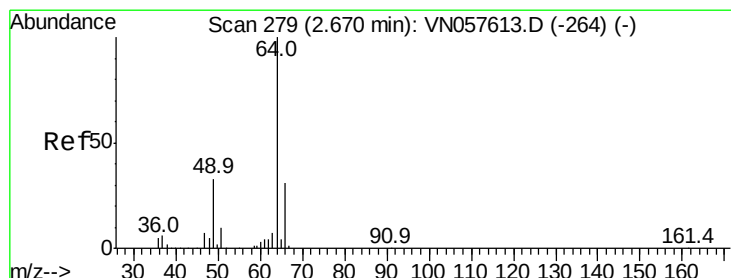
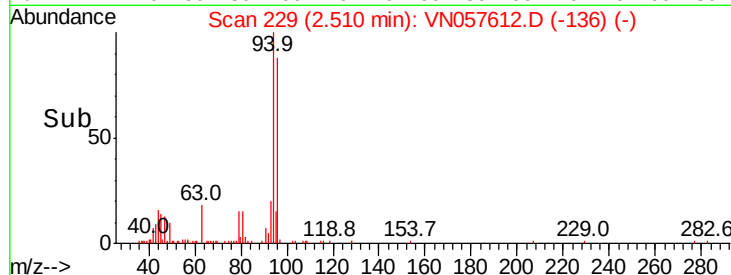
10000

5000

0

Time-->

2.45 2.50 2.55



#6

Chloroethane

Concen: 13.265 ug/l

RT: 2.66 min Scan# 275

Delta R.T. -0.01 min

Lab File: VN057612.D

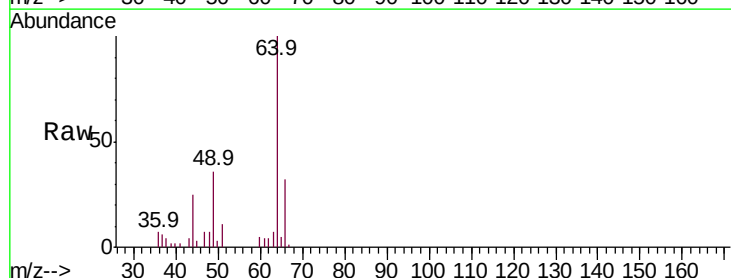
Acq: 31 Aug 2019 13:35

Tgt Ion: 64 Resp: 29539

Ion Ratio Lower Upper

64 100

66 31.9 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.66

15000

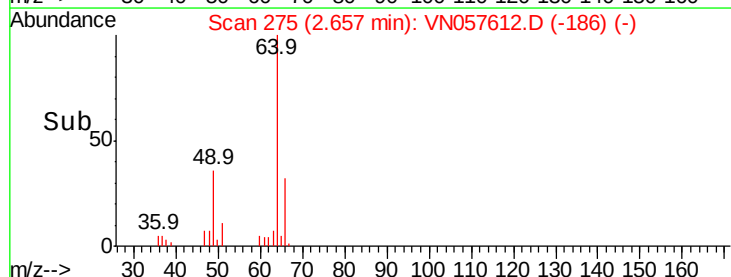
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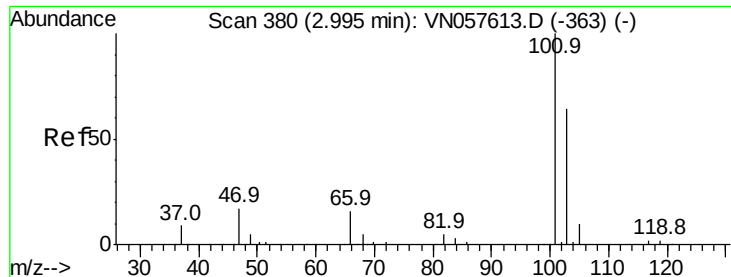
5000

0

Time-->

2.55 2.60 2.65 2.70 2.75



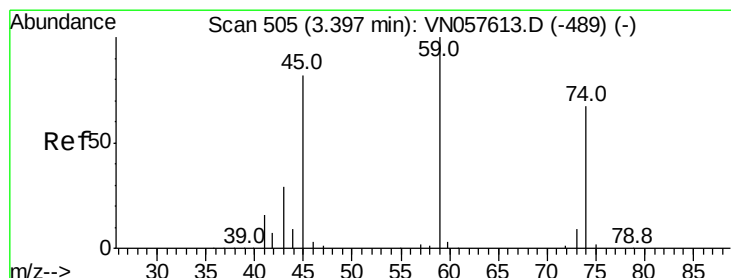
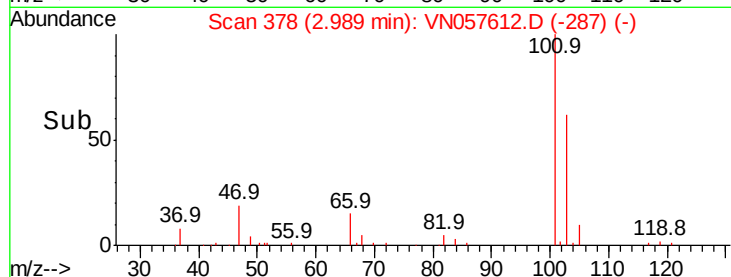
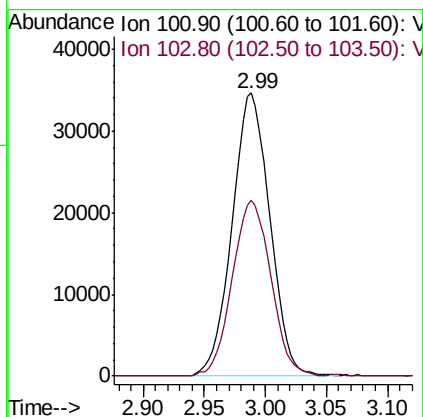
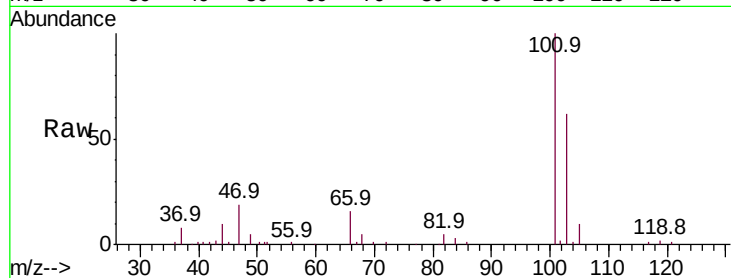


#7

Trichlorofluoromethane
 Concen: 13.766 ug/l
 RT: 2.99 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampleId :

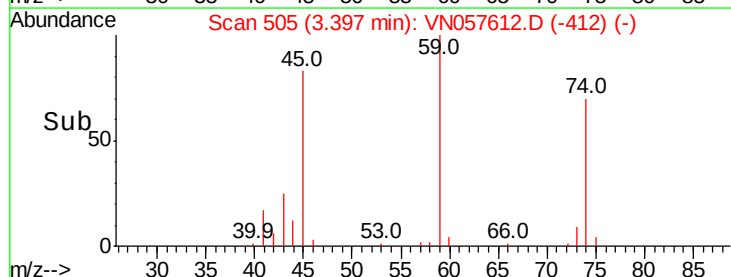
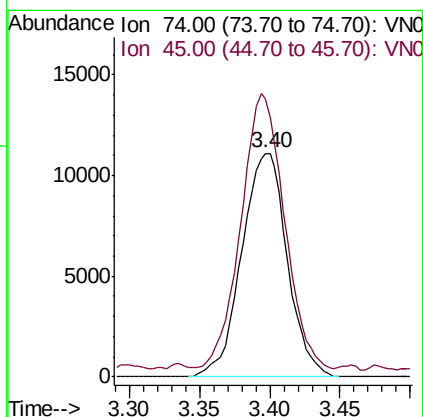
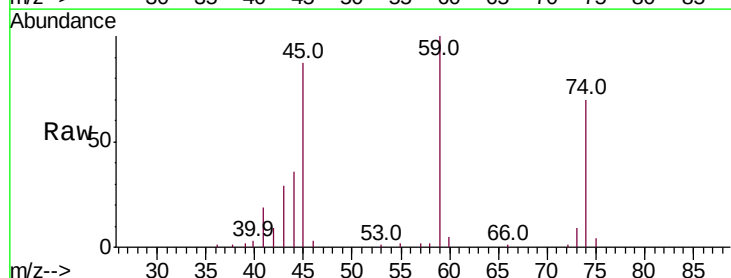
Tot Ion:101 Resp: 74354
 Ion Ratio Lower Upper
 101 100
 103 62.0 51.3 76.9

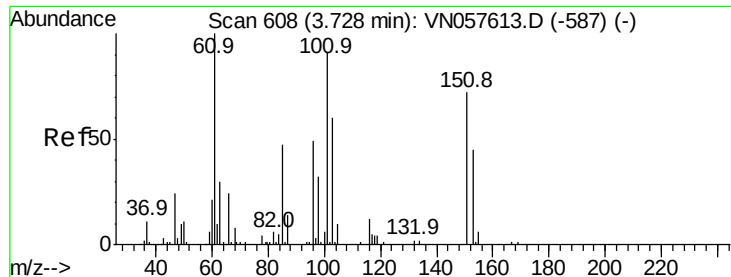


#8

Diethyl Ether
 Concen: 12.400 ug/l
 RT: 3.40 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion: 74 Resp: 24992
 Ion Ratio Lower Upper
 74 100
 45 116.9 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 12.558 ug/l

RT: 3.72 min Scan# 606

Delta R.T. -0.01 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

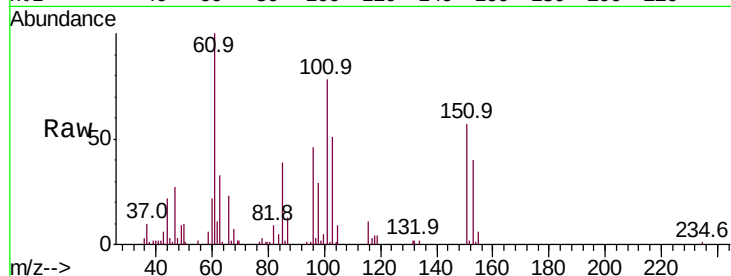
Tot Ion:101 Resp: 37295

Ion Ratio Lower Upper

101 100

85 52.6 42.1 63.1

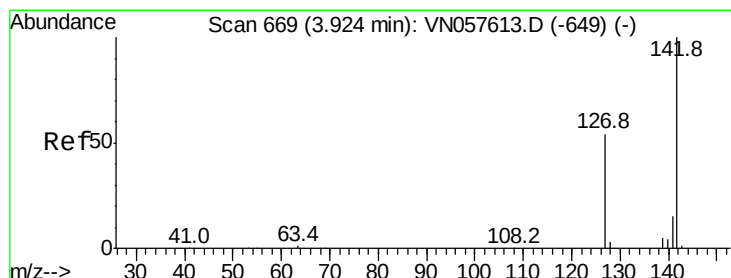
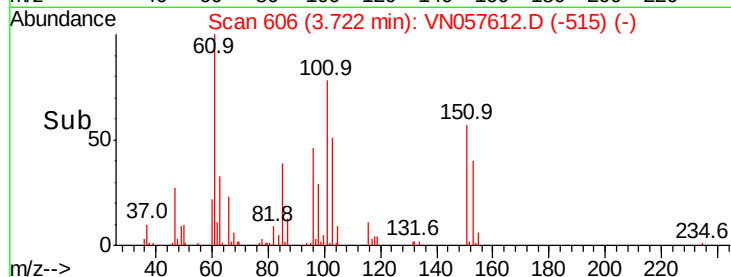
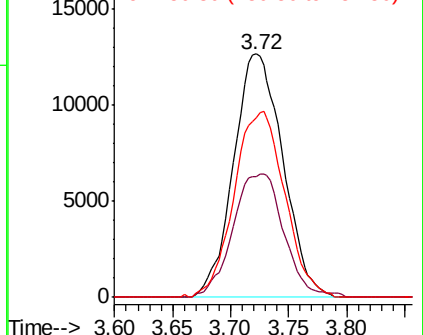
151 78.4 60.2 90.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 21.095 ug/l

RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

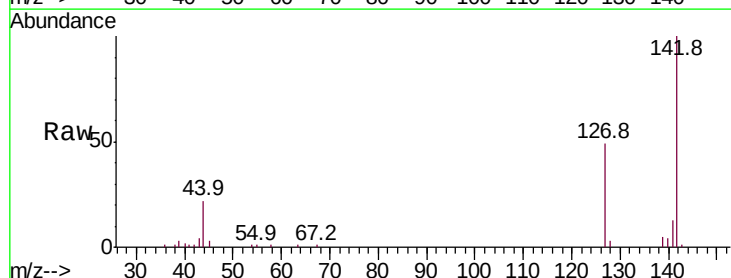
Tgt Ion:142 Resp: 49744

Ion Ratio Lower Upper

142 100

127 52.4 43.0 64.6

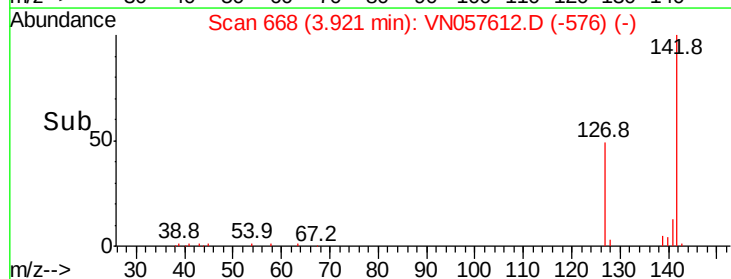
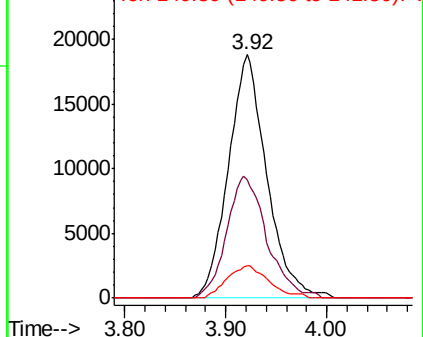
141 14.6 11.4 17.2

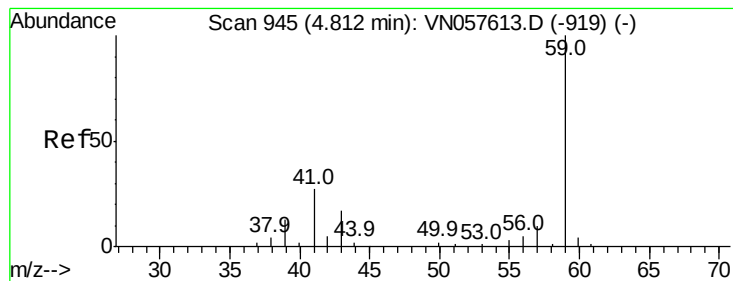


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



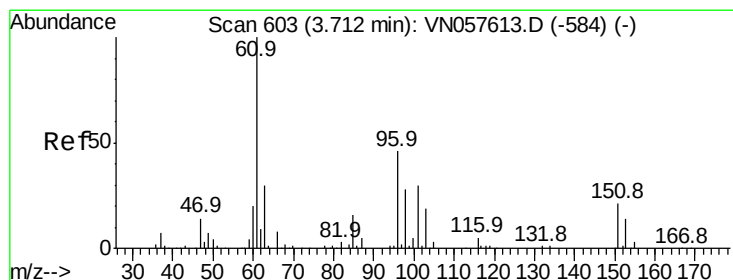
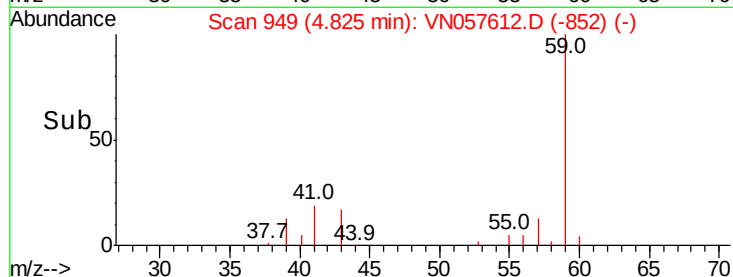
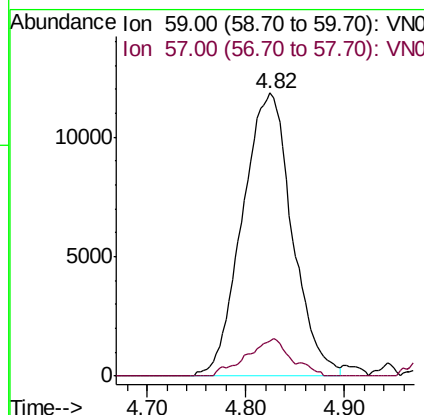
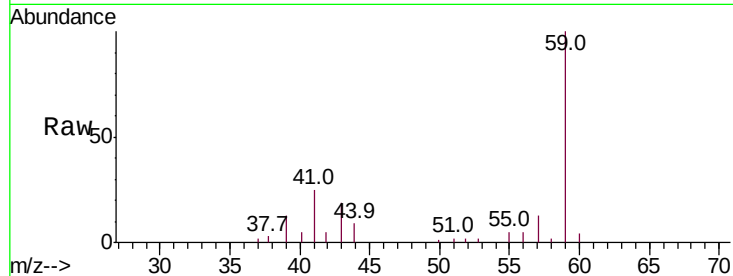


#11

Tert butyl alcohol
 Concen: 103.724 ug/l
 RT: 4.82 min Scan# 949
 Delta R.T. 0.01 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Instrument :
 MSVOA_N
 ClientSampled :

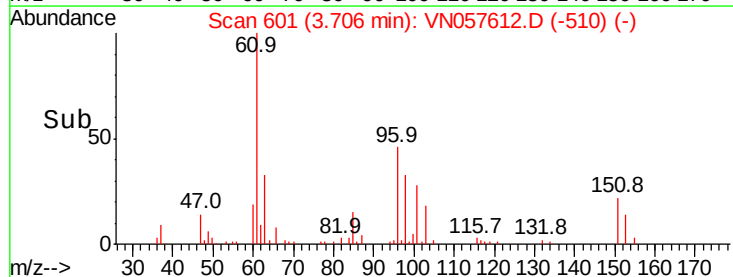
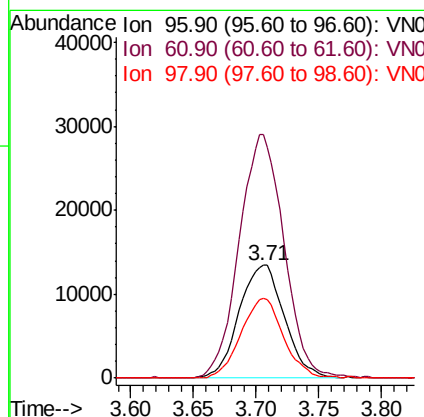
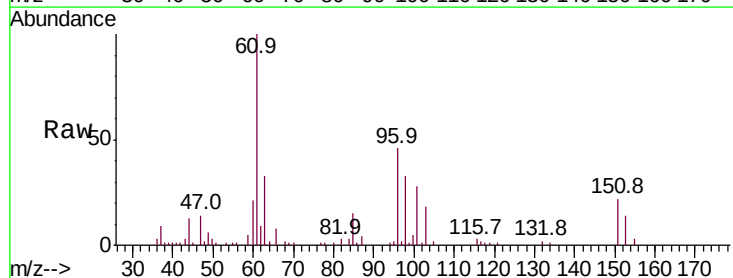
Tot Ion: 59 Resp: 41528
 Ion Ratio Lower Upper
 59 100
 57 10.5 5.0 7.6#

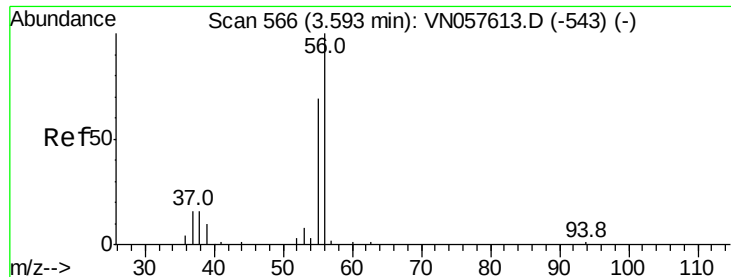


#12

1,1-Dichloroethene
 Concen: 11.895 ug/l
 RT: 3.71 min Scan# 601
 Delta R.T. -0.01 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion: 96 Resp: 33753
 Ion Ratio Lower Upper
 96 100
 61 215.9 172.1 258.1
 98 70.7 48.3 72.5





#13

Acrolein

Concen: 58.240 ug/l

RT: 3.59 min Scan# 565

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

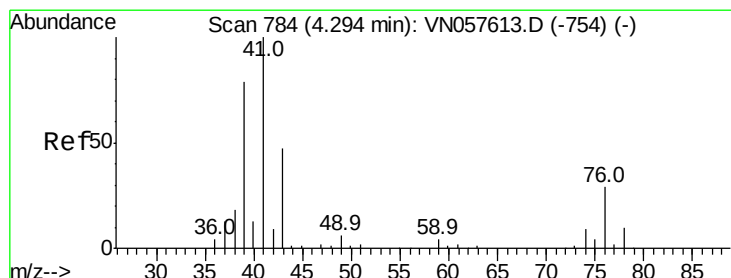
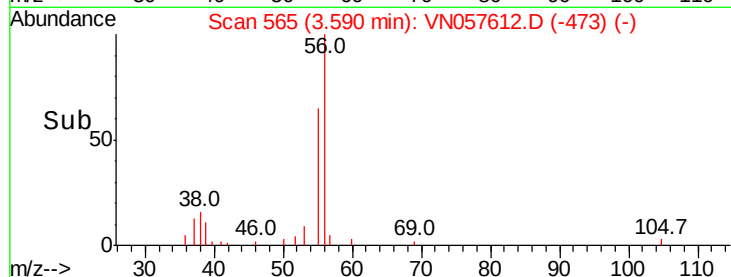
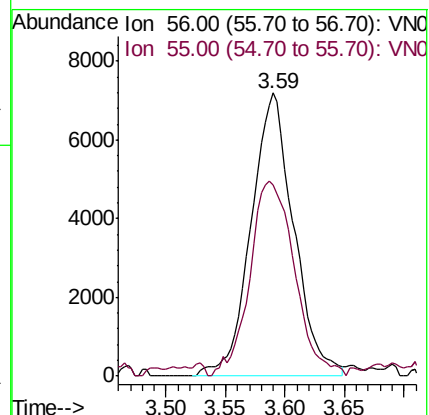
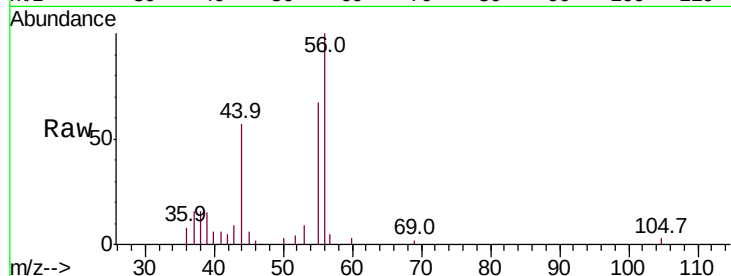
ClientSampleId :

Tot Ion: 56 Resp: 17840

Ion Ratio Lower Upper

56 100

55 72.3 56.5 84.7



#14

Allyl chloride

Concen: 22.190 ug/l

RT: 4.29 min Scan# 782

Delta R.T. -0.01 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

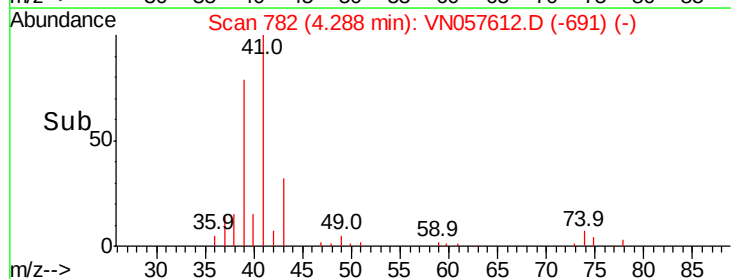
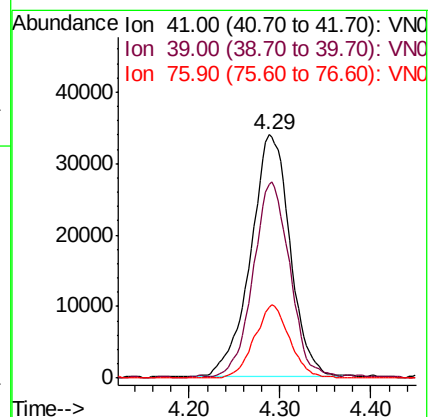
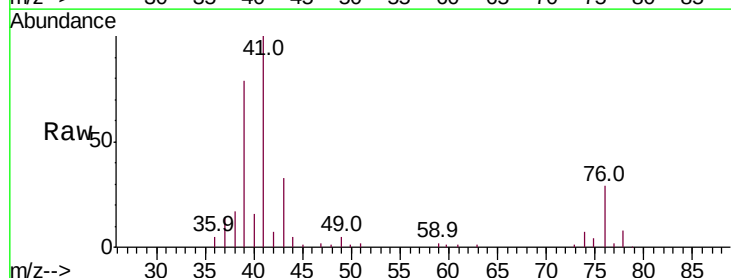
Tgt Ion: 41 Resp: 101784

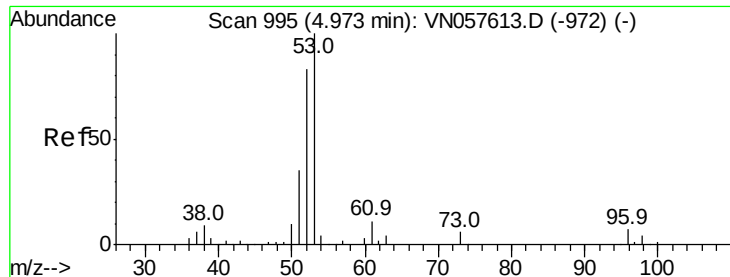
Ion Ratio Lower Upper

41 100

39 73.6 60.9 91.3

76 27.0 21.1 31.7





#15

Acrylonitrile

Concen: 117.188 ug/l

RT: 4.97 min Scan# 995

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

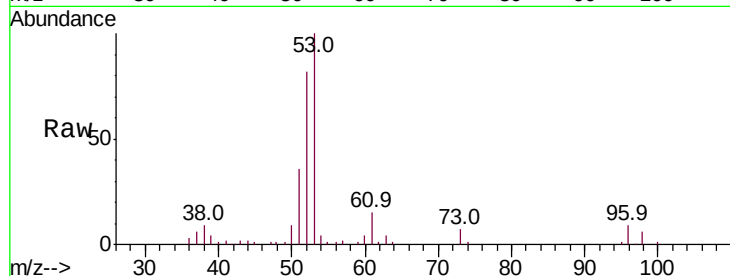
Tot Ion: 53 Resp: 128539

Ion Ratio Lower Upper

53 100

52 85.1 67.1 100.7

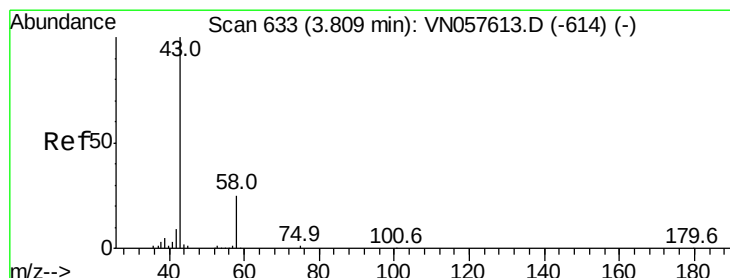
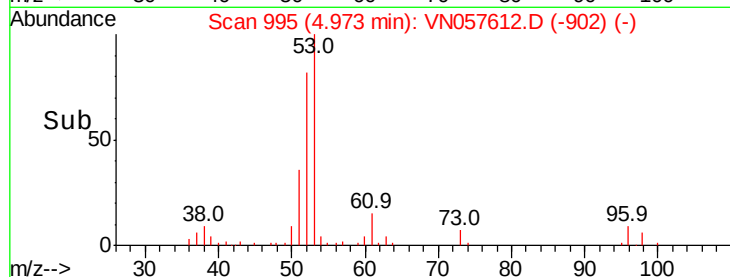
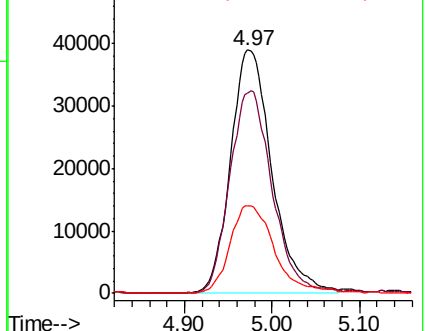
51 38.5 30.2 45.4



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: 84.877 ug/l

RT: 3.81 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN057612.D

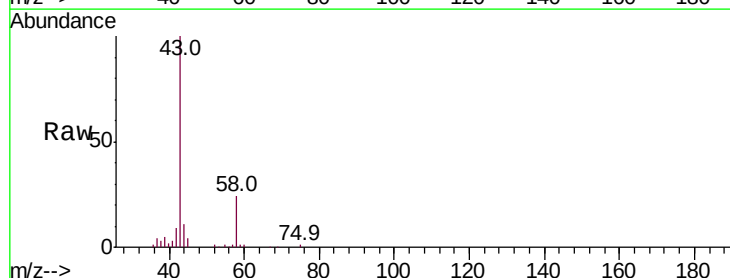
Acq: 31 Aug 2019 13:35

Tgt Ion: 43 Resp: 125254

Ion Ratio Lower Upper

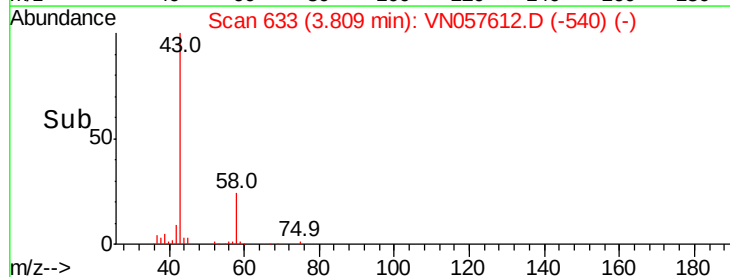
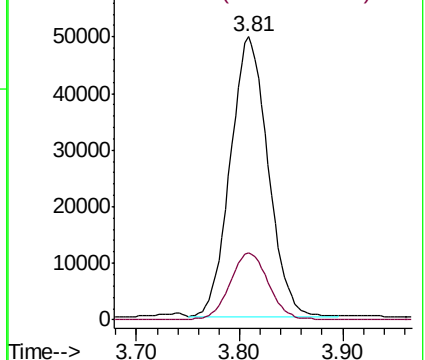
43 100

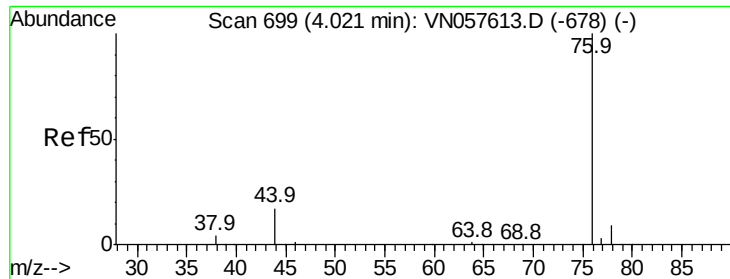
58 23.9 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

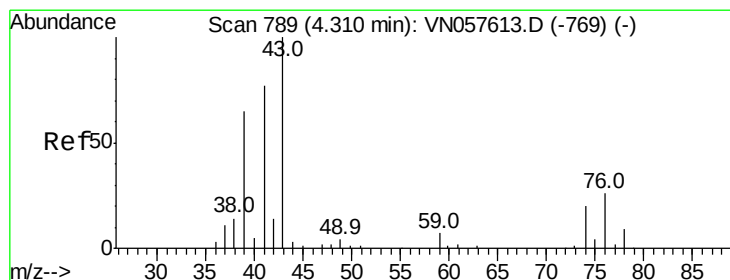
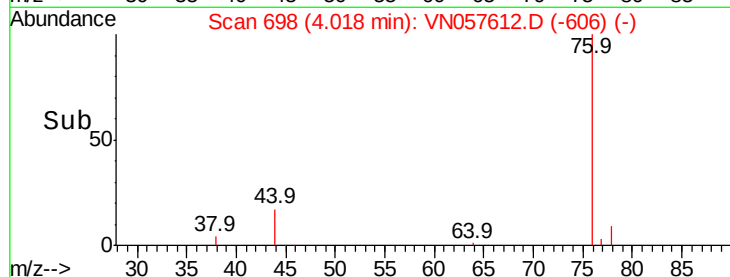
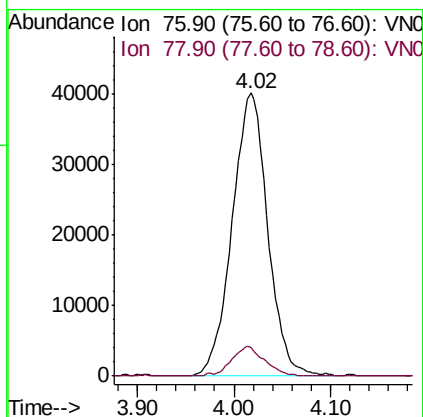
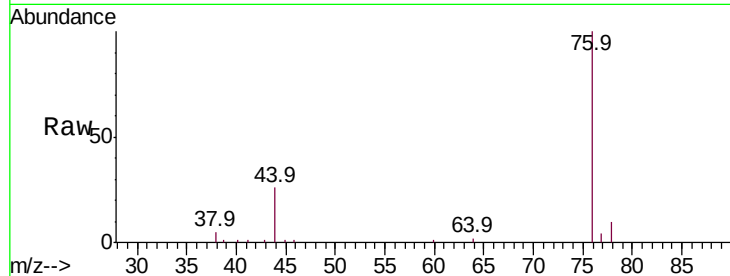




#17
Carbon Disulfide
Concen: 17.641 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

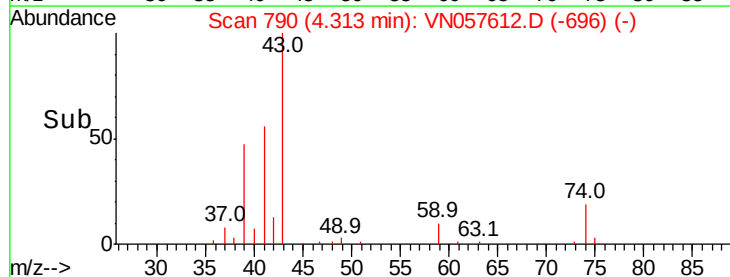
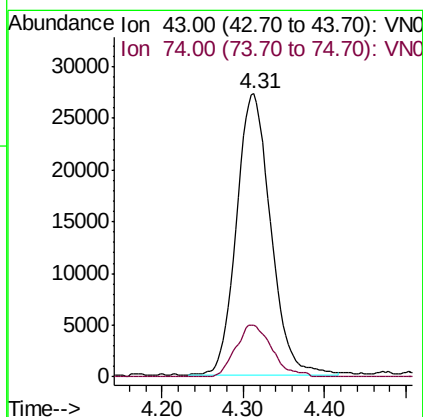
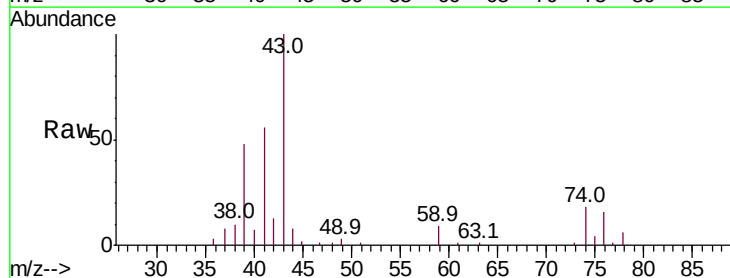
Instrument :
MSVOA_N
ClientSampleId :

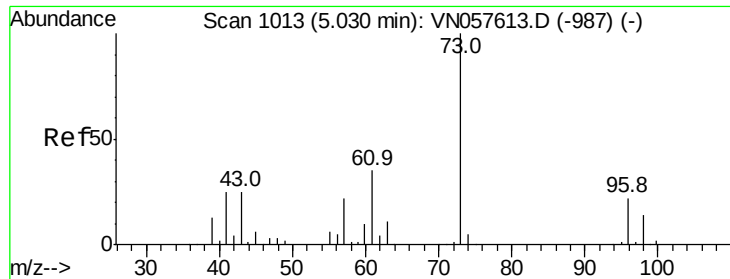
Tot Ion: 76 Resp: 102457
Ion Ratio Lower Upper
76 100
78 10.0 6.9 10.3



#18
Methyl Acetate
Concen: 20.622 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 43 Resp: 78839
Ion Ratio Lower Upper
43 100
74 19.7 15.7 23.5

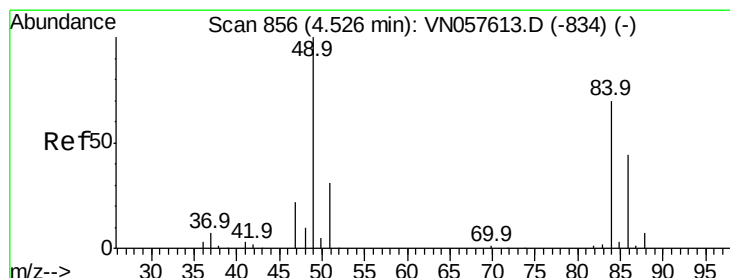
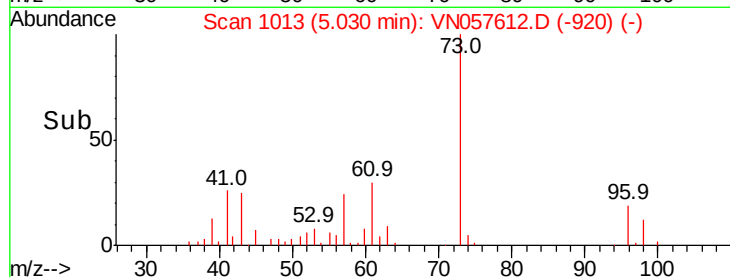
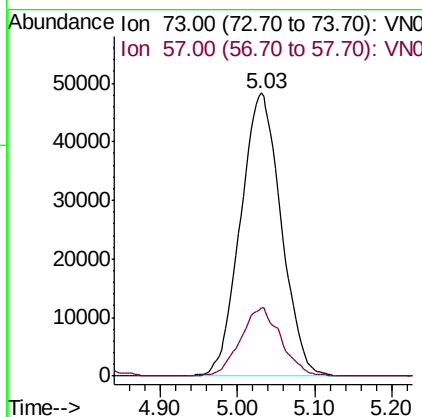
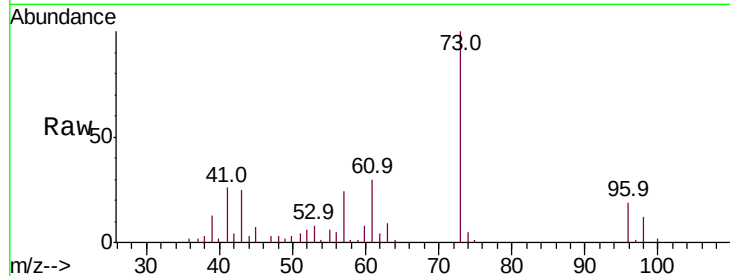




#19
Methyl tert-butyl Ether
Concen: 23.122 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

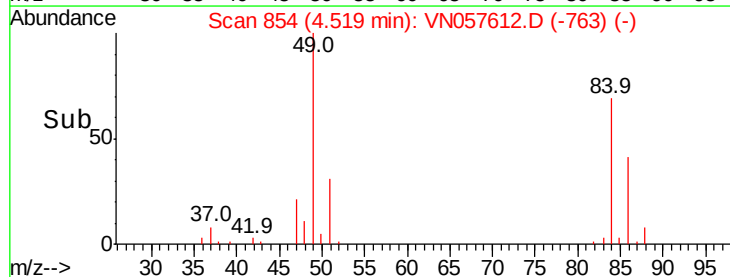
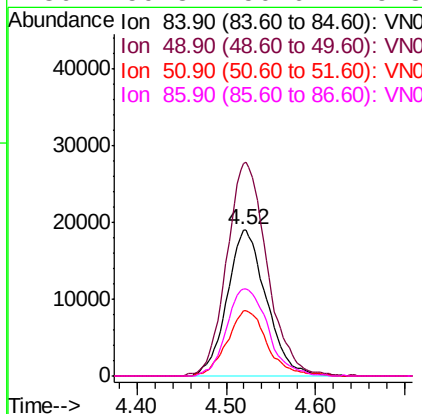
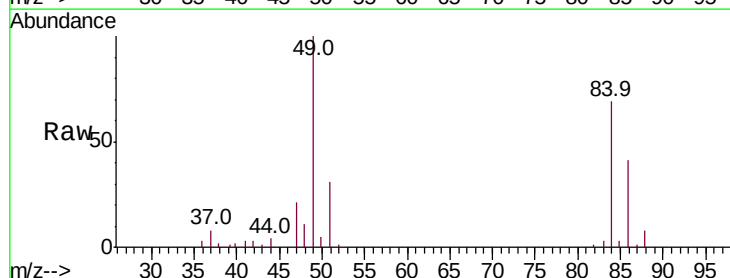
Instrument :
MSVOA_N
ClientSampled :

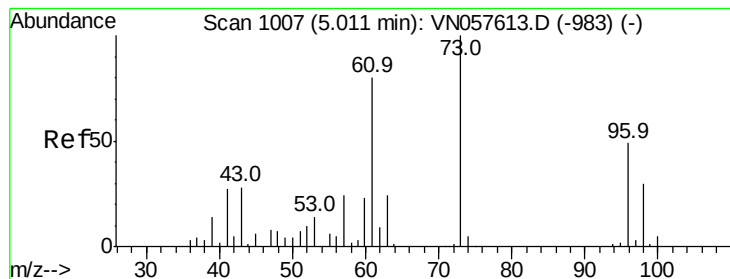
Tot Ion: 73 Resp: 176667
Ion Ratio Lower Upper
73 100
57 24.1 17.3 25.9



#20
Methylene Chloride
Concen: 23.449 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.01 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 84 Resp: 57947
Ion Ratio Lower Upper
84 100
49 143.9 113.8 170.6
51 44.6 35.0 52.6
86 59.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 23.073 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

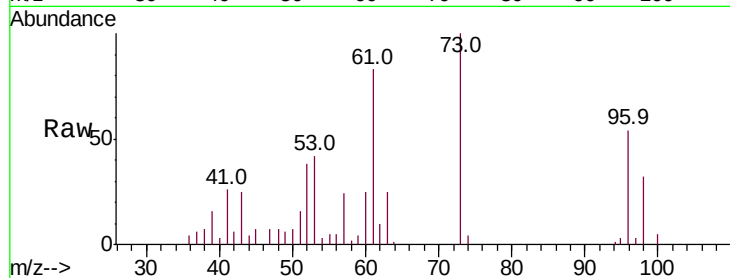
Tot Ion: 96 Resp: 51539

Ion Ratio Lower Upper

96 100

61 151.6 131.6 197.4

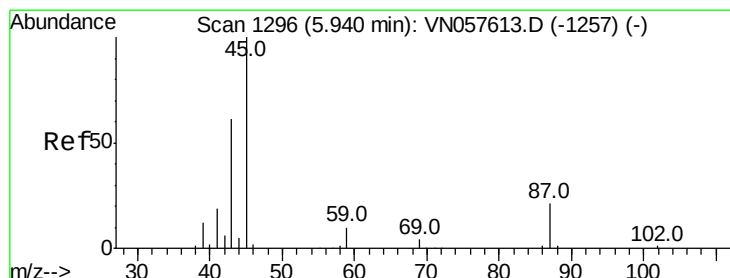
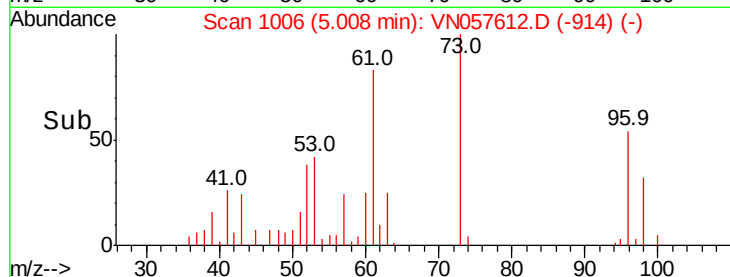
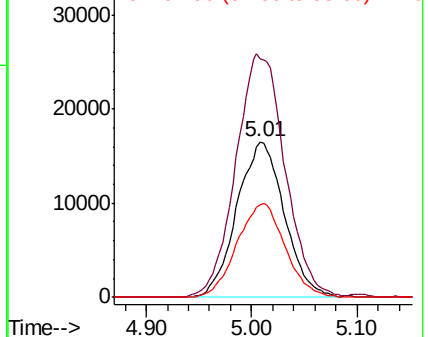
98 59.5 49.9 74.9



Abundance Ion 95.90 (95.60 to 96.60): VN057613.D (-983) (-)

Ion 60.90 (60.60 to 61.60): VN057613.D (-983) (-)

Ion 97.90 (97.60 to 98.60): VN057613.D (-983) (-)



#22

Diisopropyl ether

Concen: 23.771 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion: 45 Resp: 215312

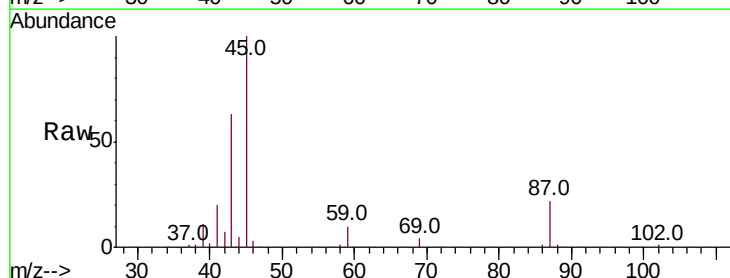
Ion Ratio Lower Upper

45 100

43 61.4 49.1 73.7

87 21.6 17.0 25.6

59 10.5 8.2 12.2

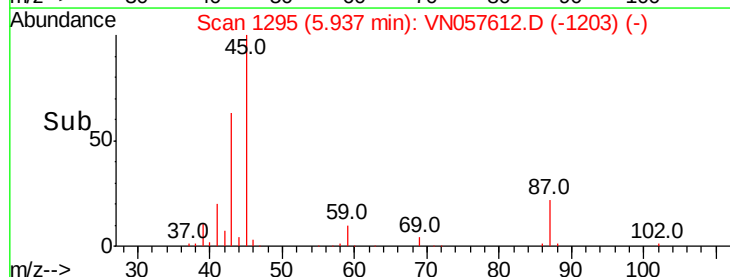
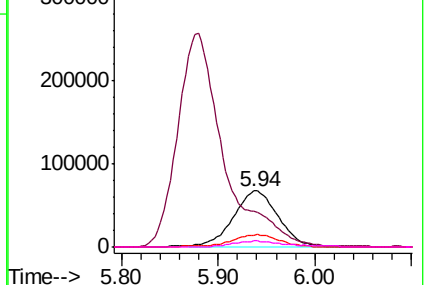


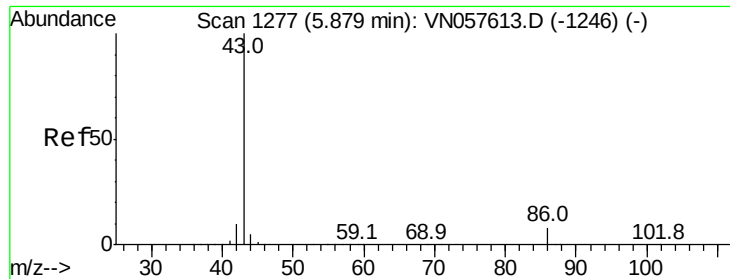
Abundance Ion 45.00 (44.70 to 45.70): VN057613.D (-1257) (-)

Ion 43.00 (42.70 to 43.70): VN057613.D (-1257) (-)

Ion 87.00 (86.70 to 87.70): VN057613.D (-1257) (-)

Ion 59.00 (58.70 to 59.70): VN057613.D (-1257) (-)





#23

Vinyl Acetate

Concen: 119.686 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

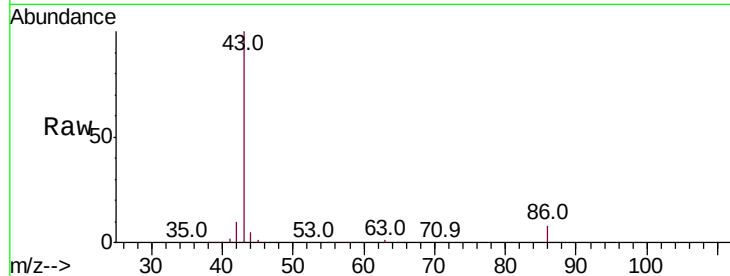
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 853267

Ion Ratio Lower Upper

43 100

86 7.8 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN057612.D (-1184) (-)

Ion 86.00 (85.70 to 86.70): VN057612.D (-1184) (-)

5.88

300000

250000

200000

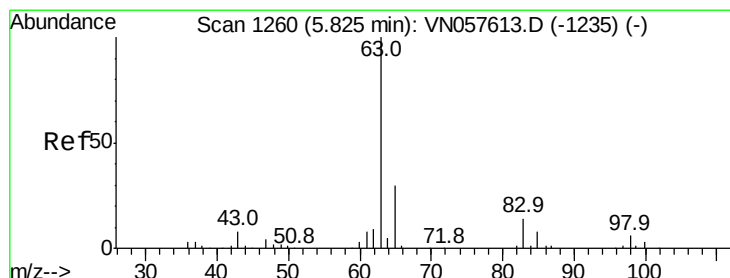
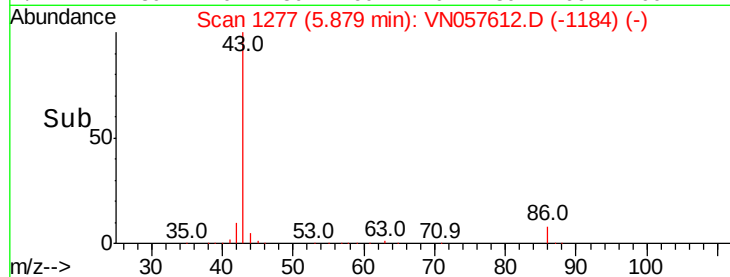
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 23.179 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

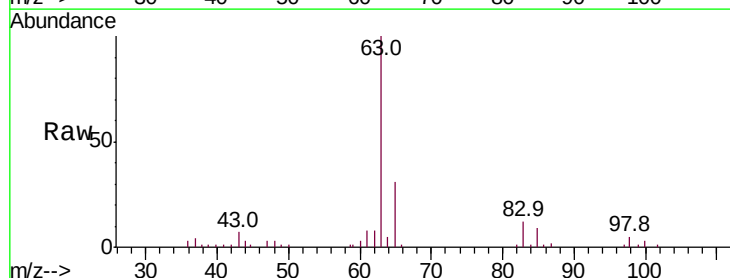
Tgt Ion: 63 Resp: 110256

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.4

100 2.7 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VN057612.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN057612.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN057612.D (-1167) (-)

5.82

40000

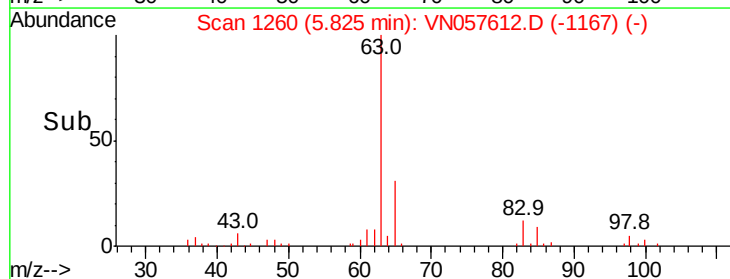
30000

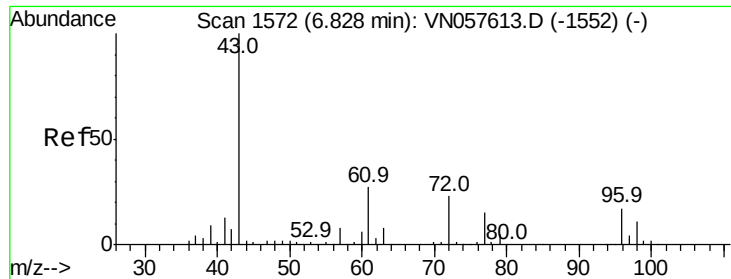
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 118.438 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

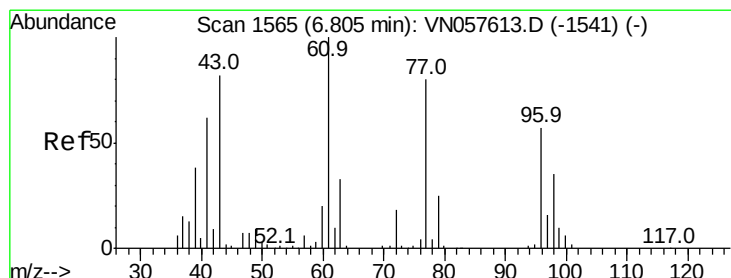
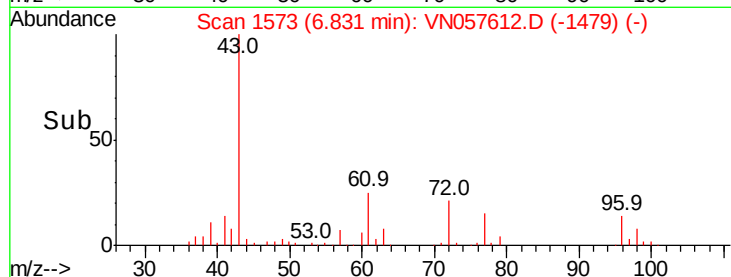
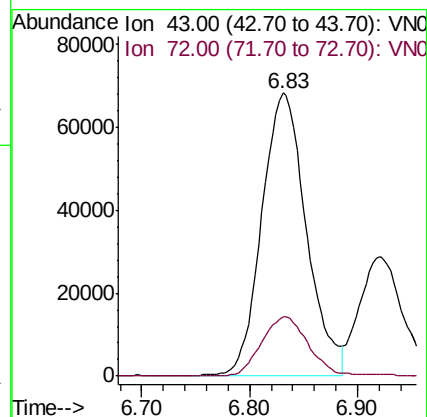
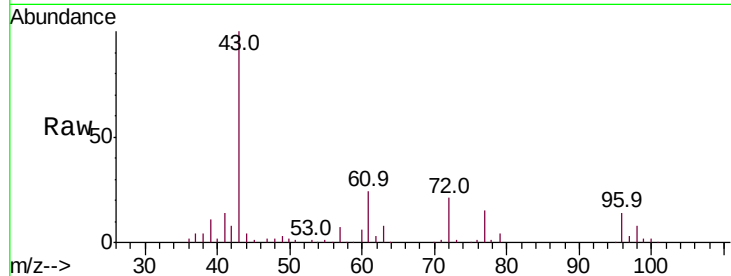
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 194695

Ion Ratio Lower Upper

43 100

72 20.9 18.2 27.4



#26

2,2-Dichloropropane

Concen: 21.146 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057612.D

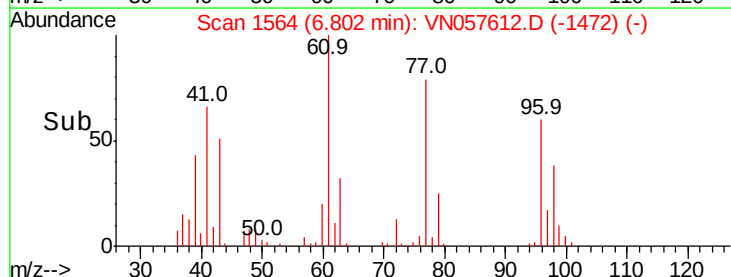
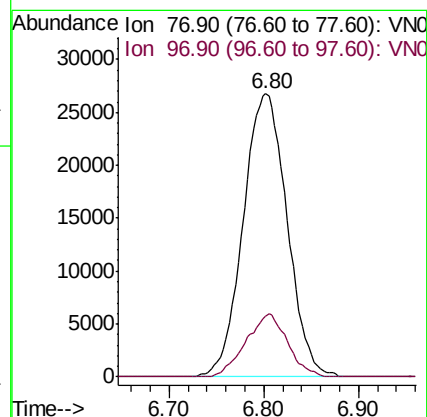
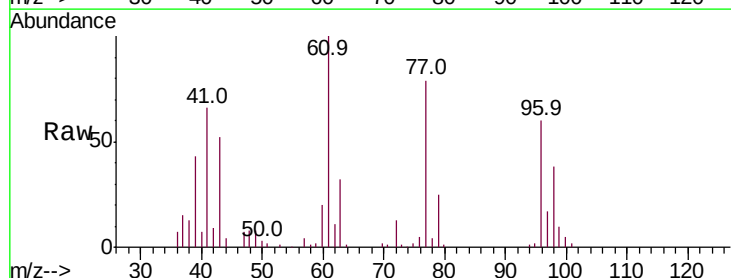
Acq: 31 Aug 2019 13:35

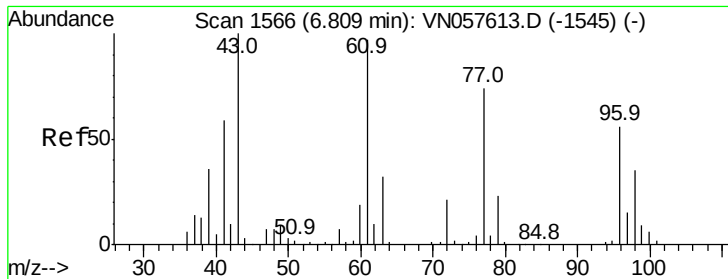
Tgt Ion: 77 Resp: 86187

Ion Ratio Lower Upper

77 100

97 21.1 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 23.135 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :

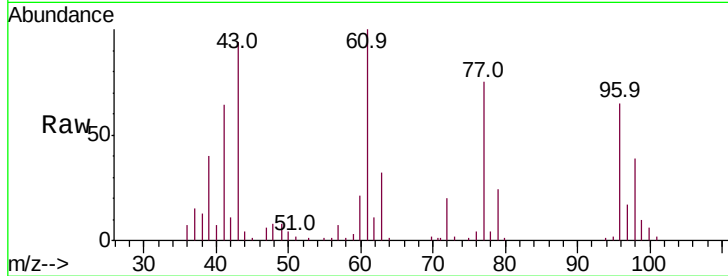
Tot Ion: 96 Resp: 61048

Ion Ratio Lower Upper

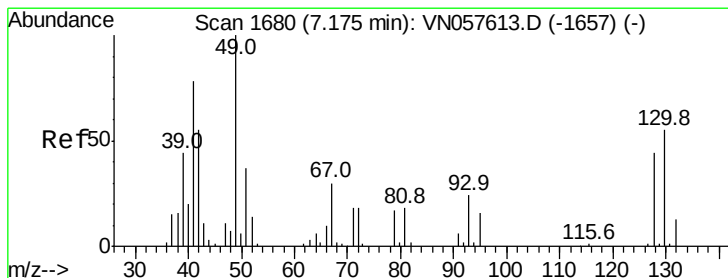
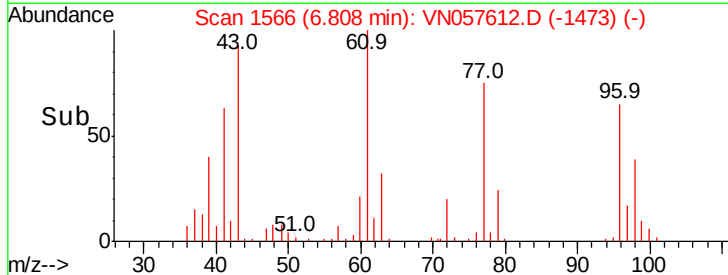
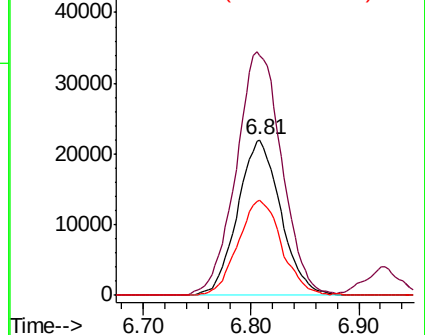
96 100

61 166.5 0.0 344.6

98 62.0 0.0 124.8



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: 24.130 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

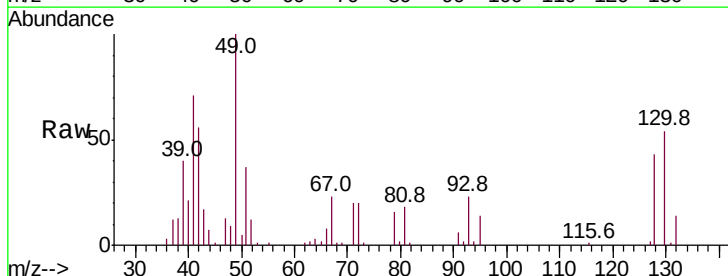
Tgt Ion: 49 Resp: 60486

Ion Ratio Lower Upper

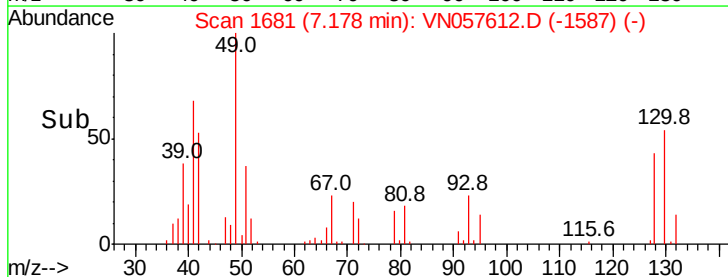
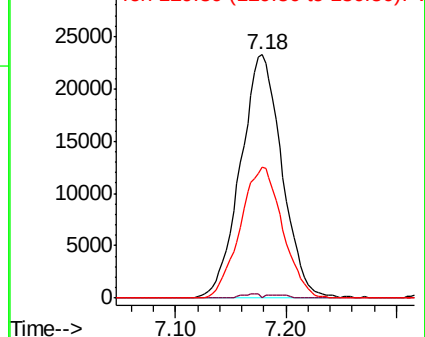
49 100

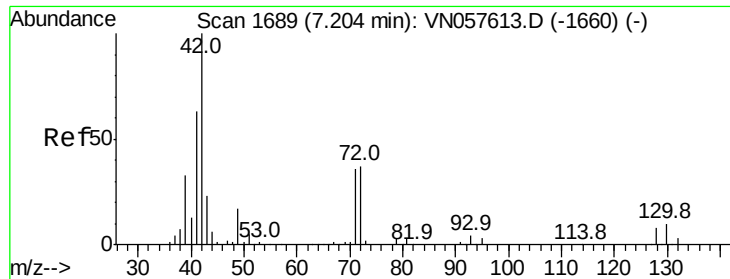
129 0.7 0.0 1.8

130 55.0 45.8 68.8



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

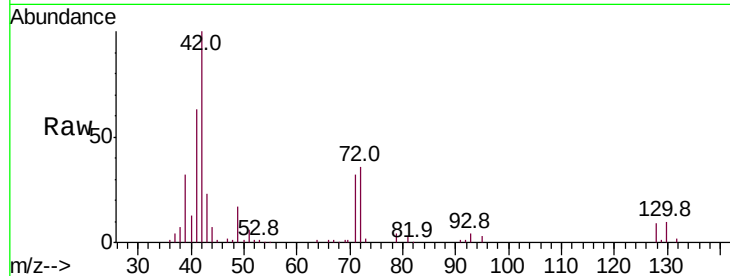




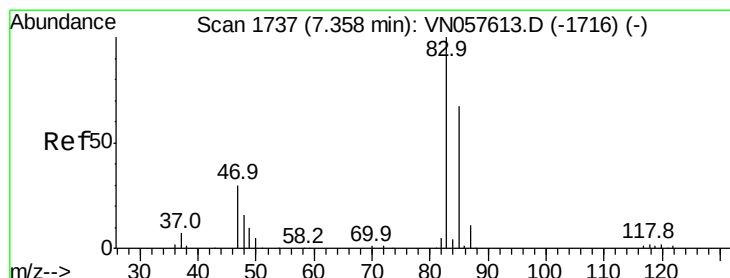
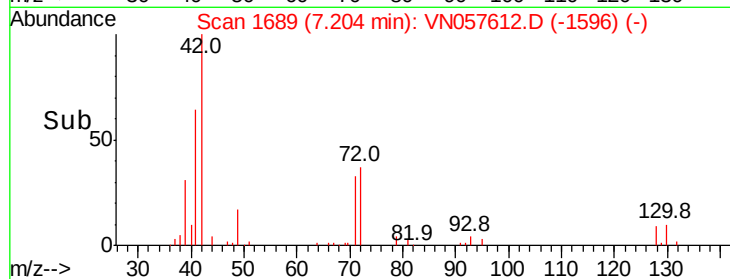
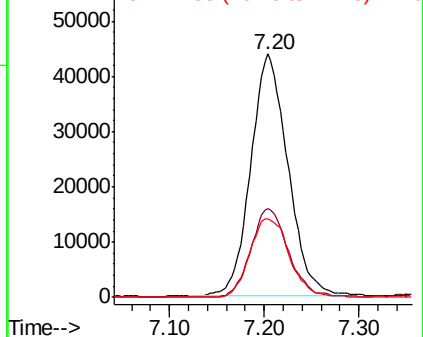
#29
Tetrahydrofuran
Concen: 111.928 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.0	29.6	44.4
71	34.9	27.9	41.9

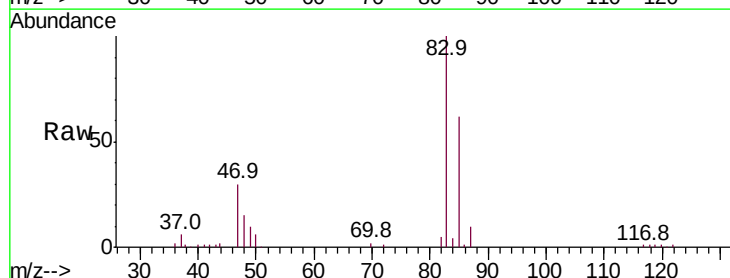


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

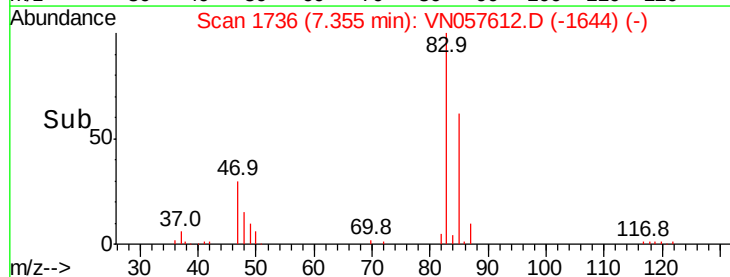
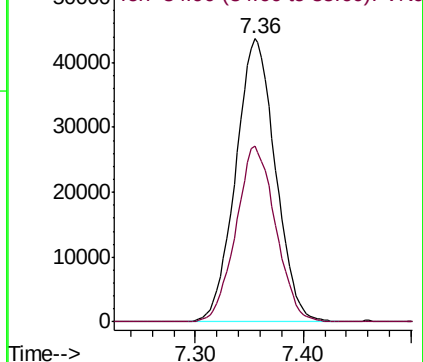


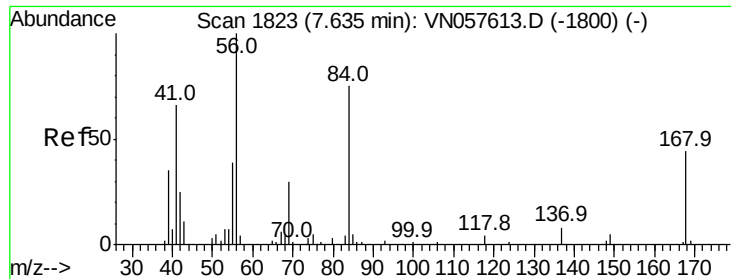
#30
Chloroform
Concen: 22.651 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.2	79.8



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

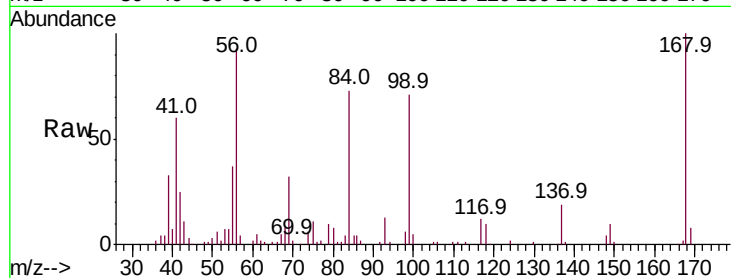




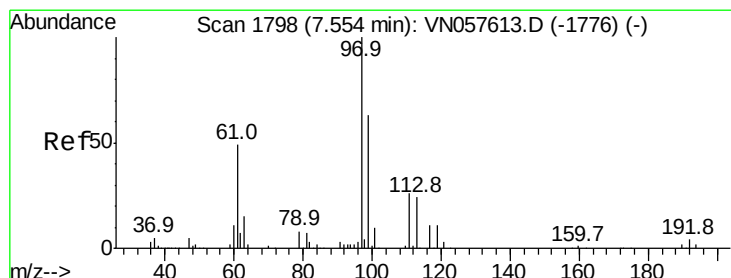
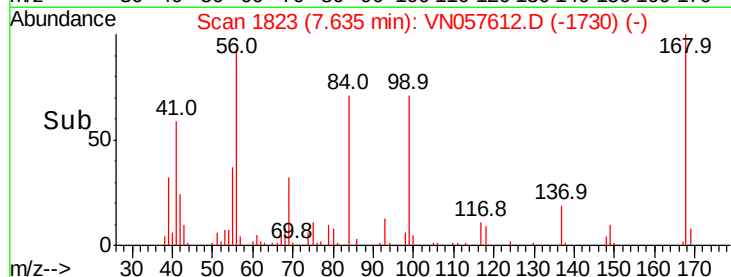
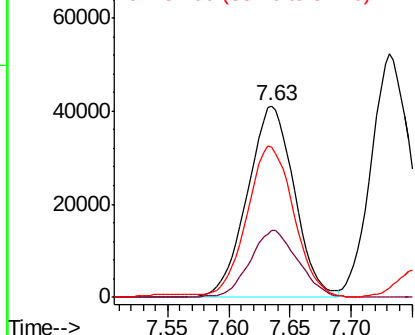
#31
Cyclohexane
Concen: 23.766 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 109619
Ion Ratio Lower Upper
56 100
69 34.3 24.4 36.6
84 77.4 59.9 89.9

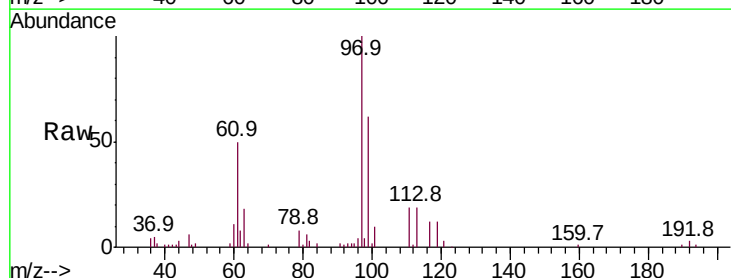


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

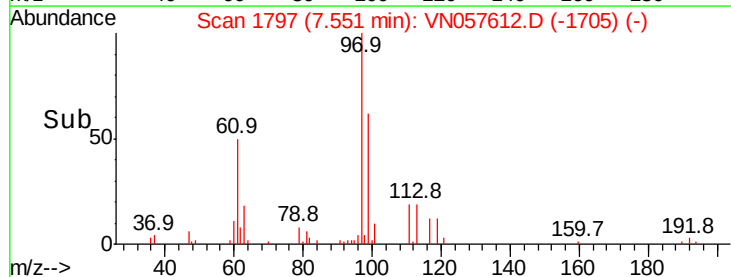
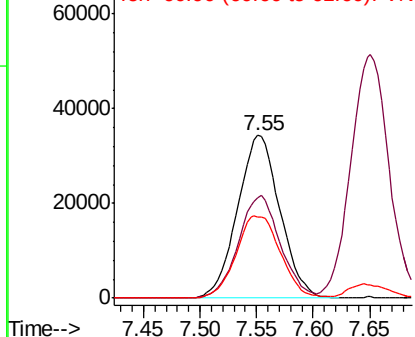


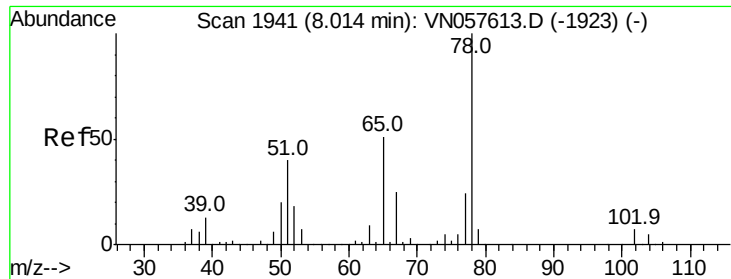
#32
1,1,1-Trichloroethane
Concen: 22.068 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 97 Resp: 89425
Ion Ratio Lower Upper
97 100
99 62.3 50.6 75.8
61 52.9 41.1 61.7



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

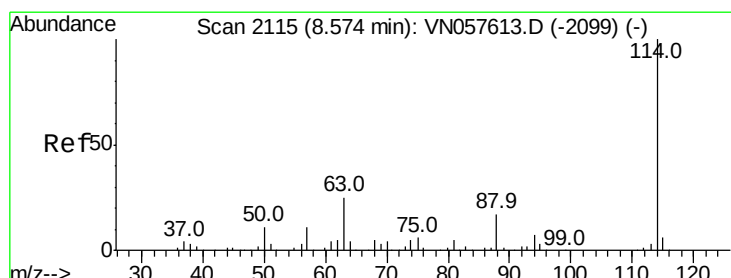
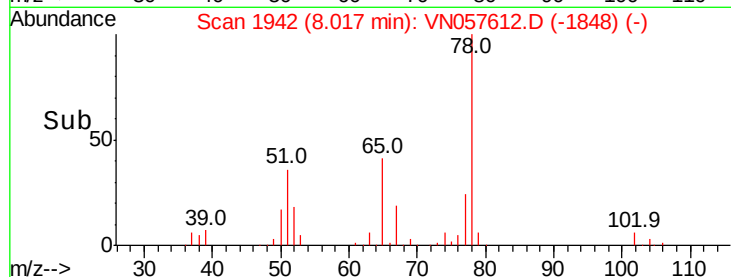
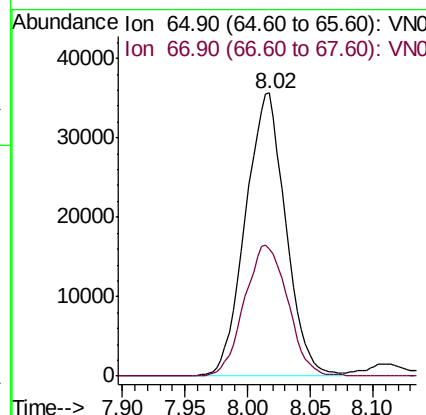
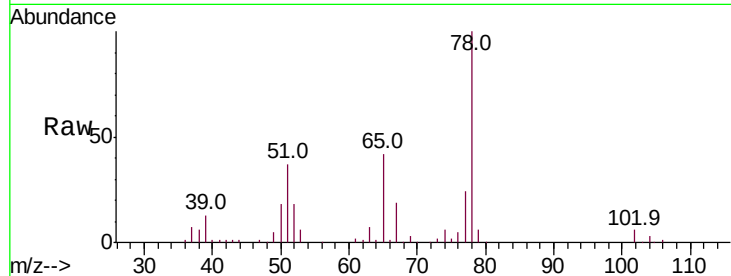




#33
 1,2-Dichloroethane-d4
 Concen: 24.043 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

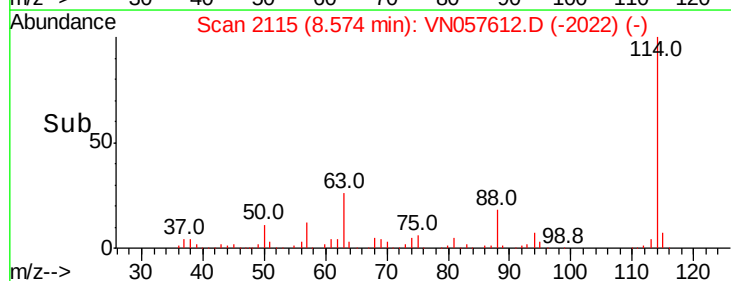
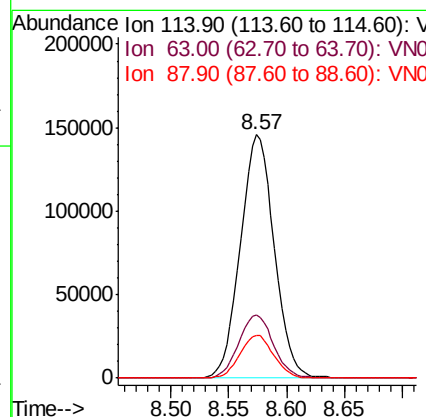
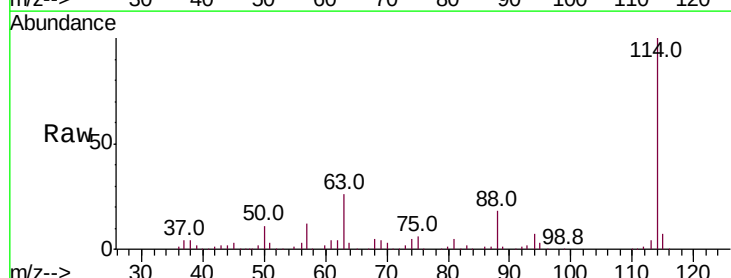
Instrument :
 MSVOA_N
 ClientSampled :

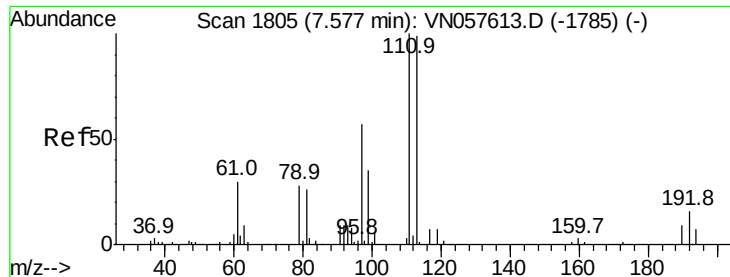
Tot Ion: 65 Resp: 79730
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion: 114 Resp: 295555
 Ion Ratio Lower Upper
 114 100
 63 25.7 0.0 49.0
 88 17.8 0.0 33.0





#35

Dibromofluoromethane

Concen: 23.507 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :

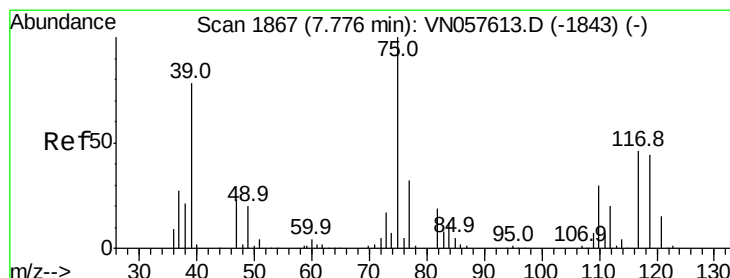
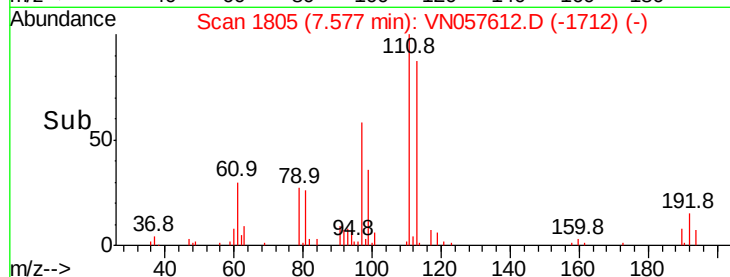
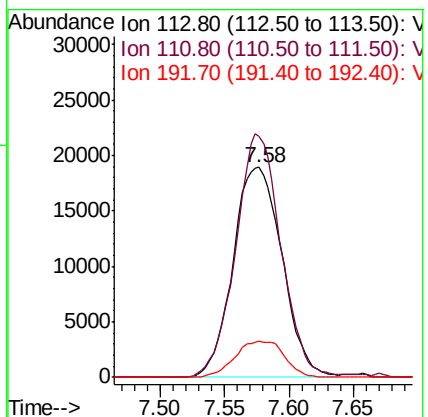
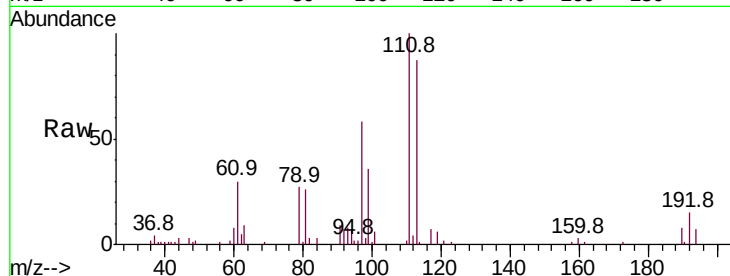
Tot Ion:113 Resp: 50167

Ion Ratio Lower Upper

113 100

111 107.0 81.3 121.9

192 17.2 13.5 20.3



#36

1,1-Dichloropropene

Concen: 25.885 ug/l

RT: 7.78 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

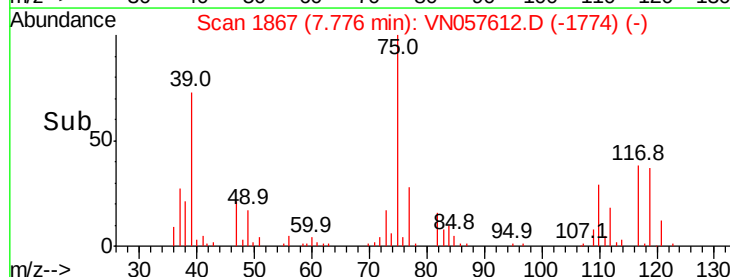
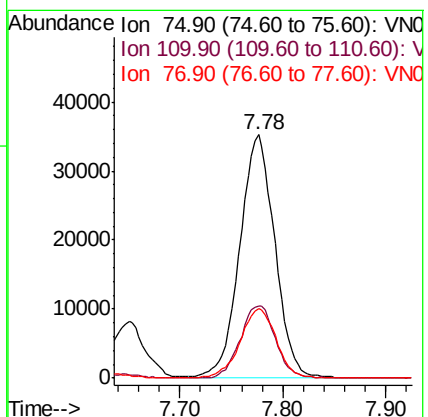
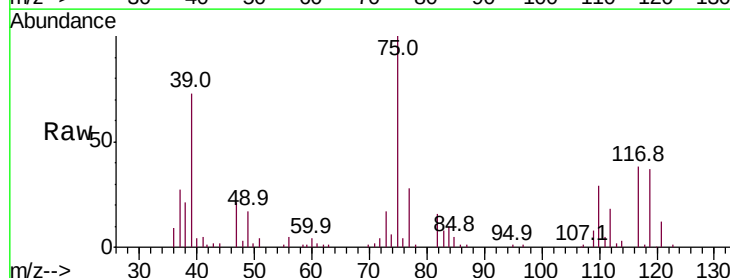
Tgt Ion: 75 Resp: 83495

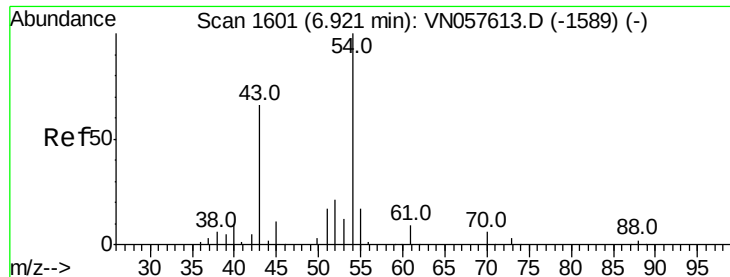
Ion Ratio Lower Upper

75 100

110 29.6 15.6 46.8

77 29.1 24.9 37.3

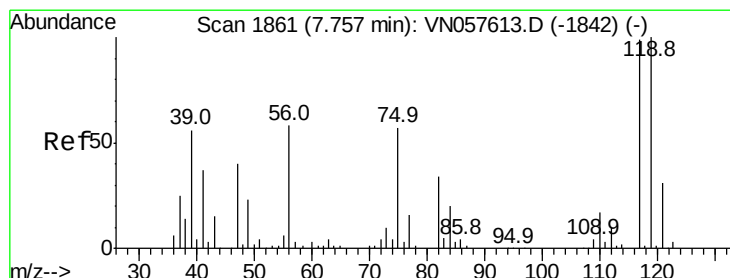
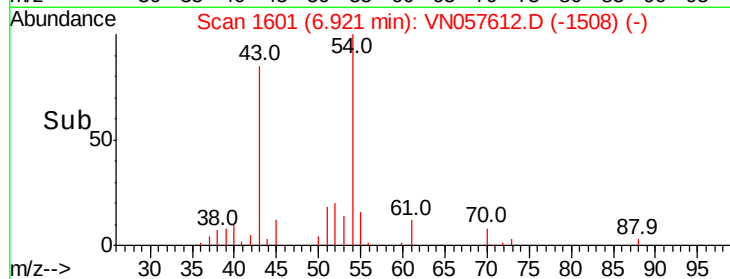
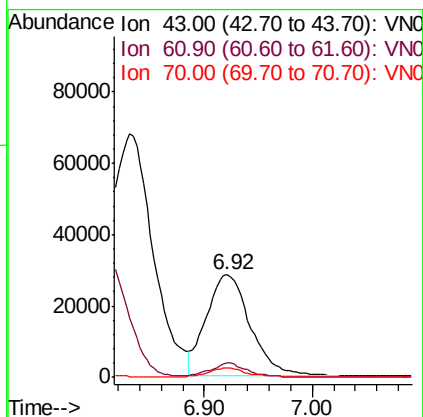
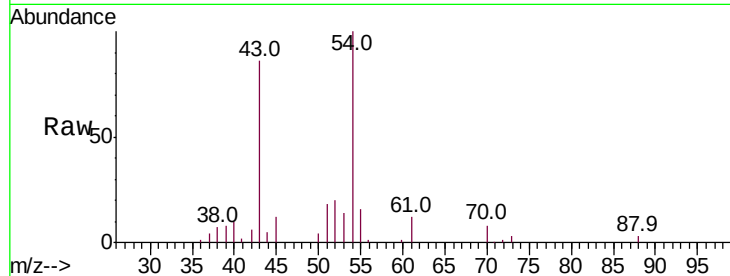




#37
Ethyl Acetate
Concen: 25.363 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

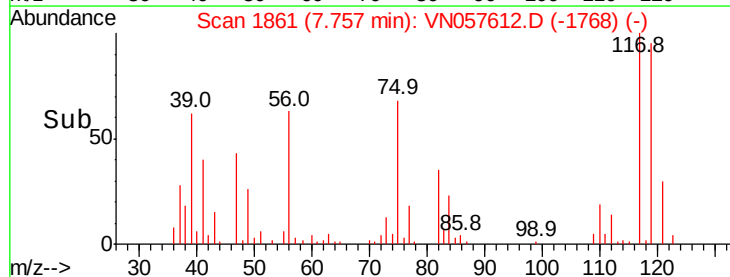
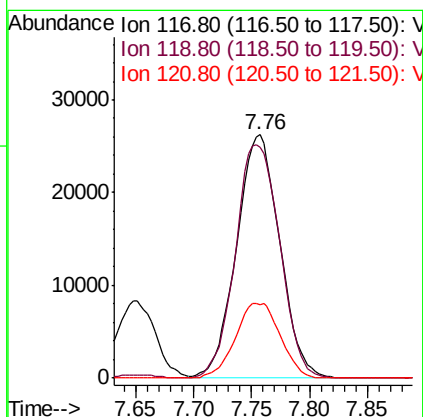
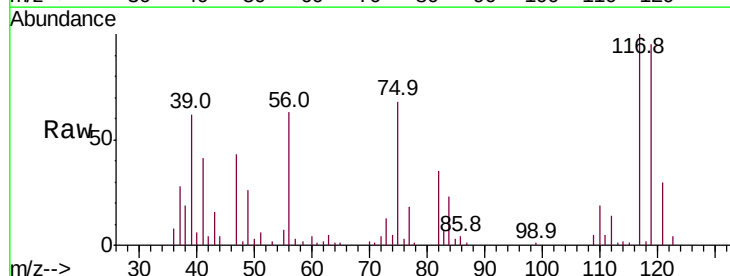
Instrument :
MSVOA_N
ClientSampleId :

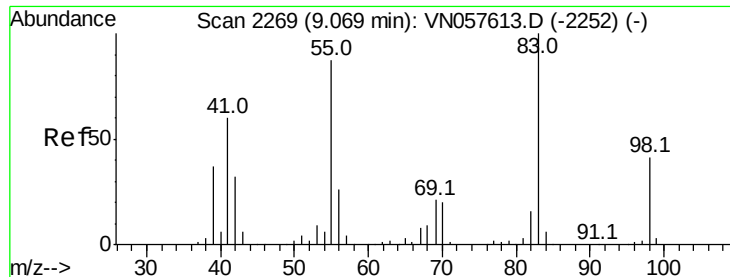
Tot Ion: 43 Resp: 80344
Ion Ratio Lower Upper
43 100
61 12.0 10.1 15.1
70 8.6 6.8 10.2



#38
Carbon Tetrachloride
Concen: 21.697 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 117 Resp: 68009
Ion Ratio Lower Upper
117 100
119 94.9 80.6 120.8
121 30.3 25.1 37.7

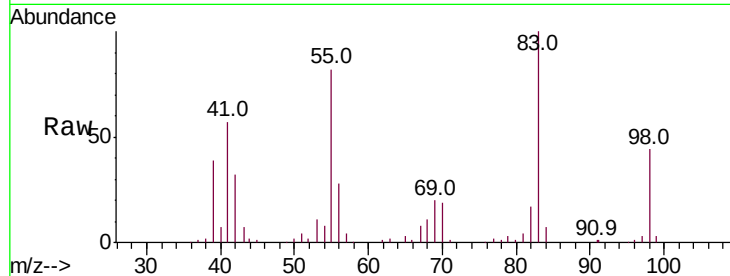




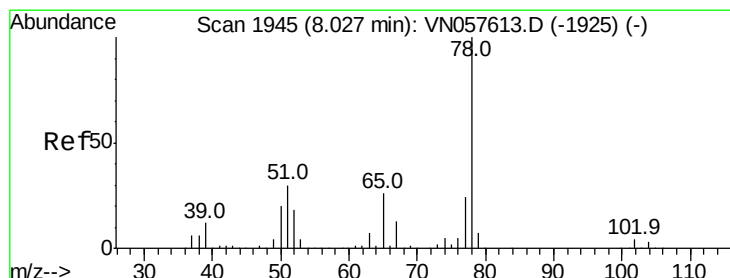
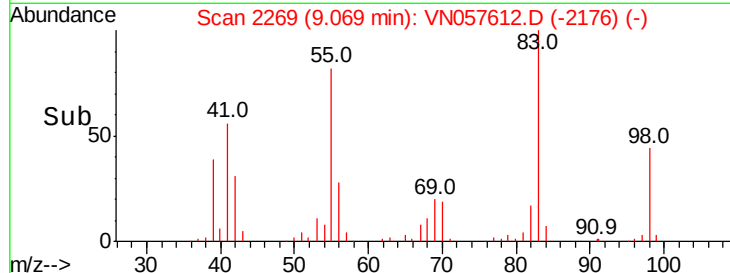
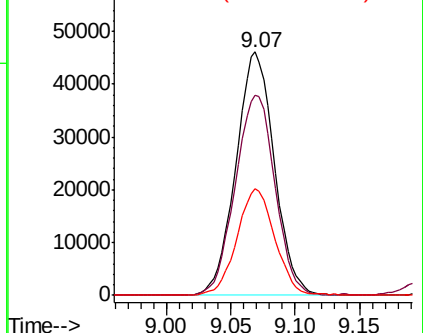
#39
Methylvlcyclohexane
Concen: 25.010 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 95544
Ion Ratio Lower Upper
83 100
55 82.1 69.8 104.8
98 43.6 32.7 49.1

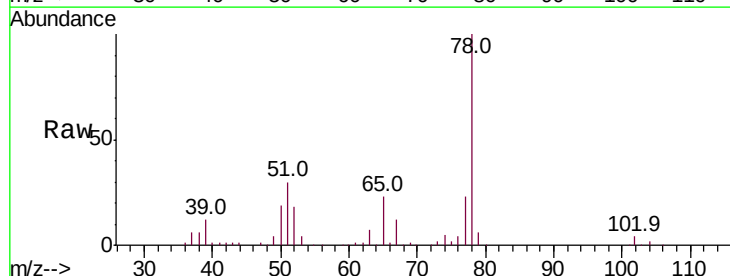


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

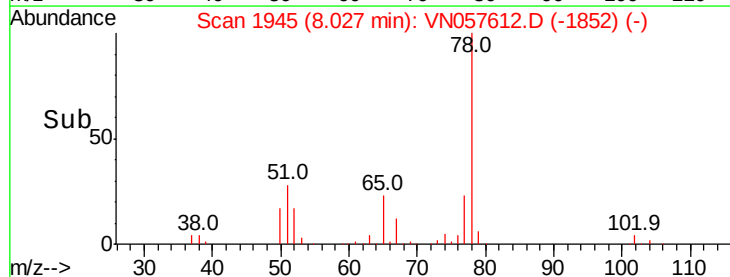
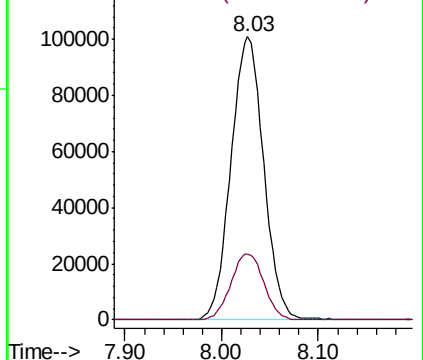


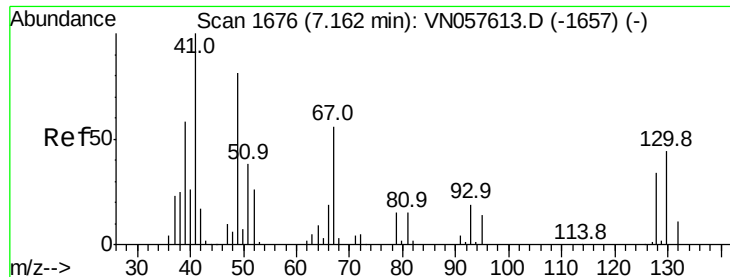
#40
Benzene
Concen: 24.666 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 78 Resp: 237113
Ion Ratio Lower Upper
78 100
77 23.1 19.1 28.7



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





#41

Methacrylonitrile

Concen: 27.391 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 42113

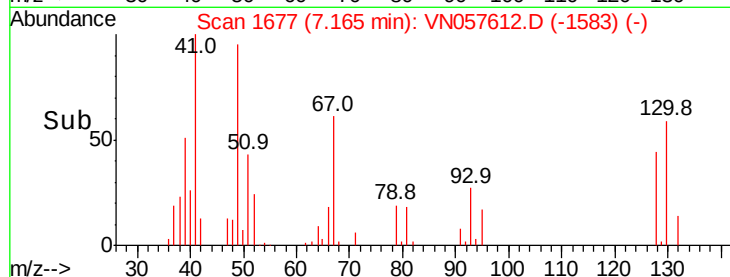
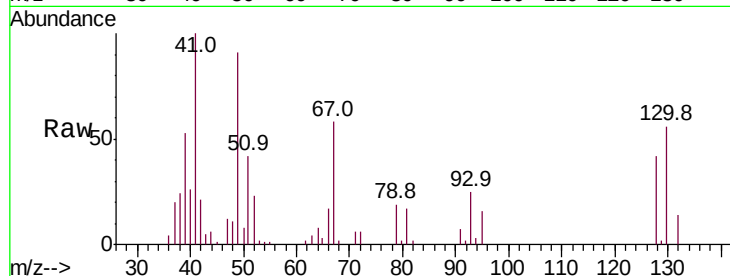
Ion Ratio Lower Upper

41 100

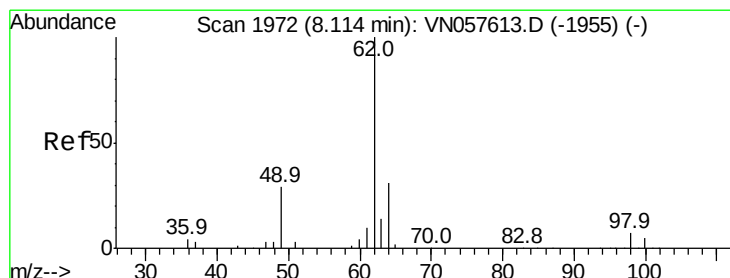
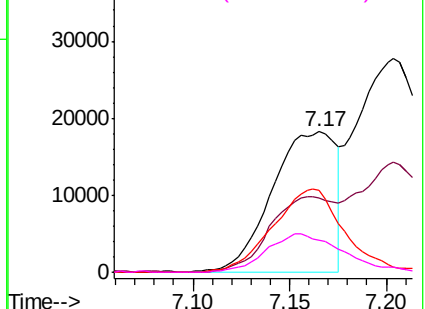
39 54.6 50.6 75.8

67 66.6 56.9 85.3

52 32.4 27.4 41.2



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



#42

1,2-Dichloroethane

Concen: 24.972 ug/l

RT: 8.11 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VN057612.D

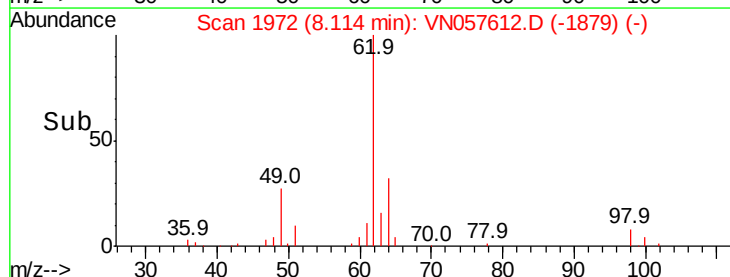
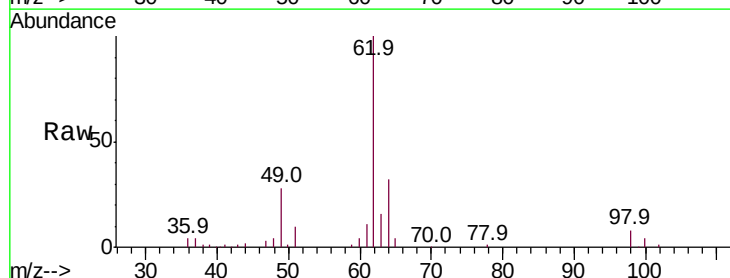
Acq: 31 Aug 2019 13:35

Tgt Ion: 62 Resp: 93784

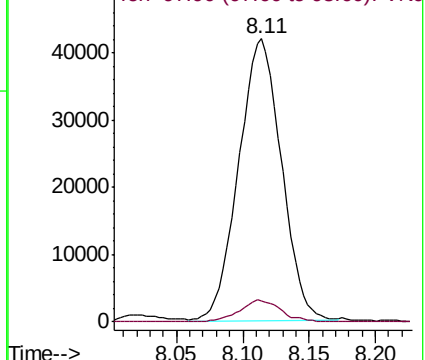
Ion Ratio Lower Upper

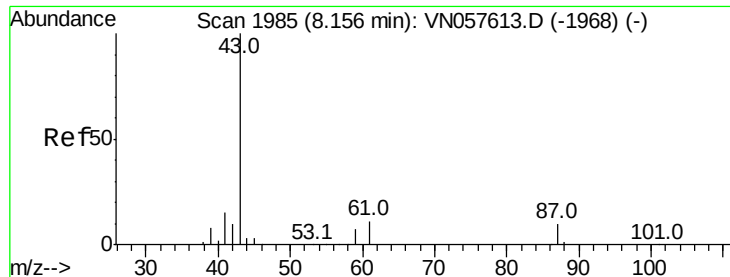
62 100

98 7.5 0.0 14.0



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





#43

Isopropyl Acetate

Concen: 23.329 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

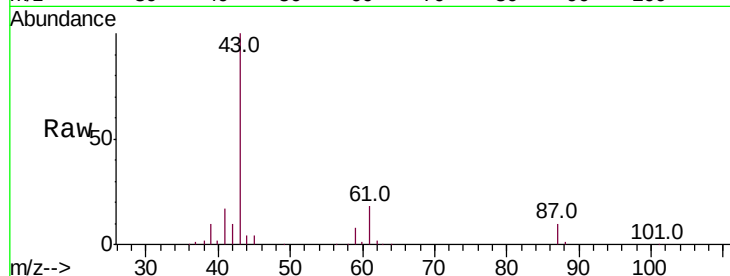
Tot Ion: 43 Resp: 135313

Ion Ratio Lower Upper

43 100

61 16.8 13.1 19.7

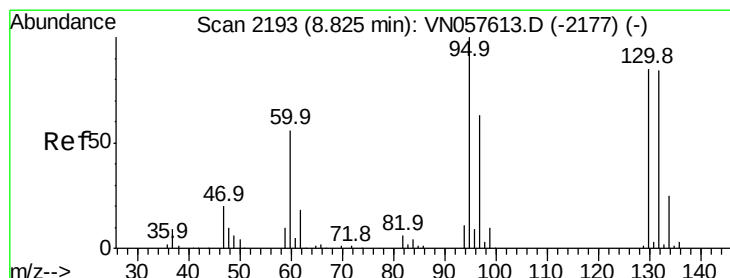
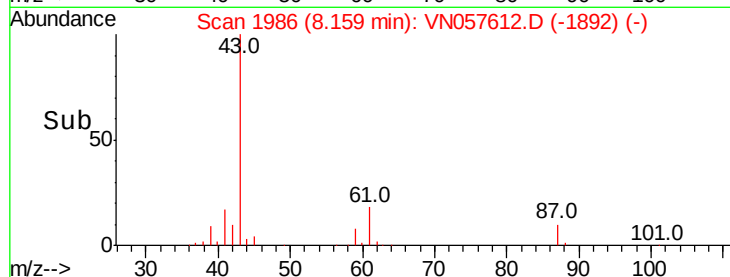
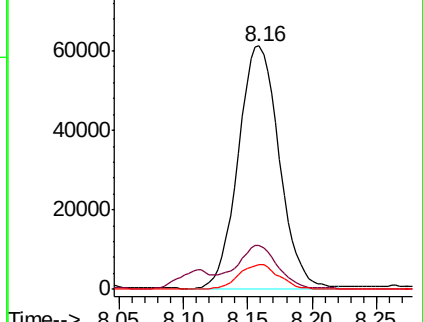
87 10.1 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057613.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057613.D (-1968) (-)



#44

Trichloroethene

Concen: 24.423 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057612.D

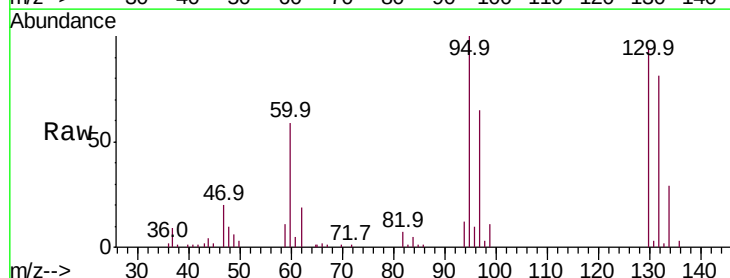
Acq: 31 Aug 2019 13:35

Tgt Ion:130 Resp: 52211

Ion Ratio Lower Upper

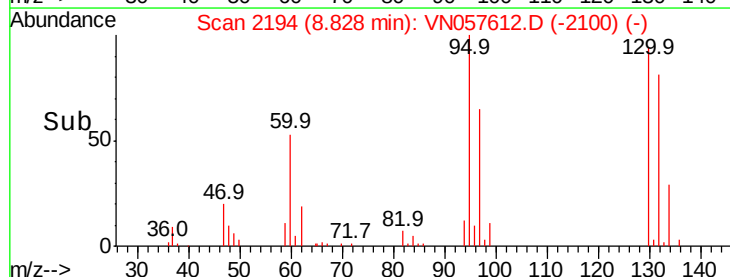
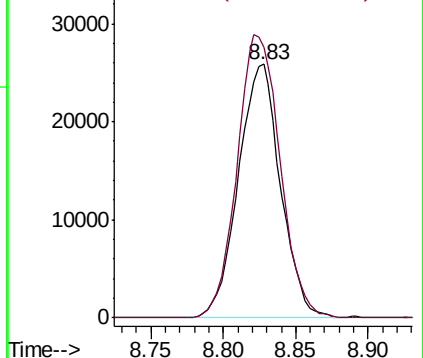
130 100

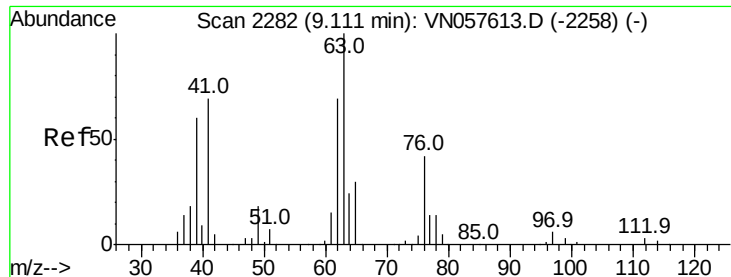
95 106.5 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057613.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057613.D (-2177) (-)

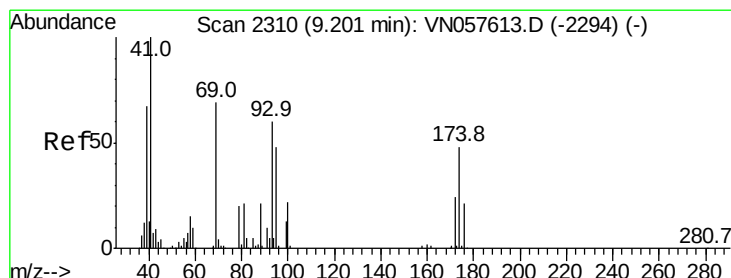
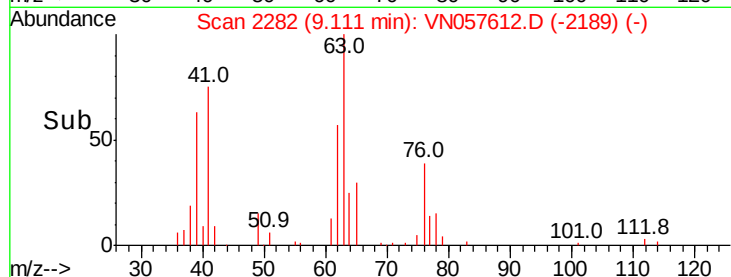
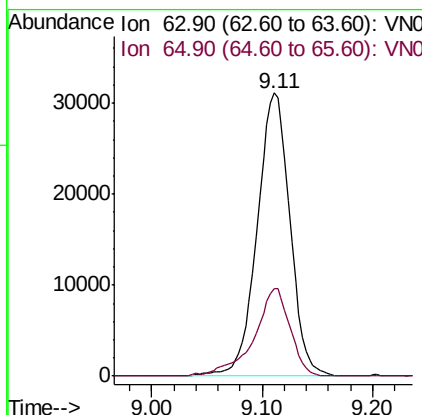
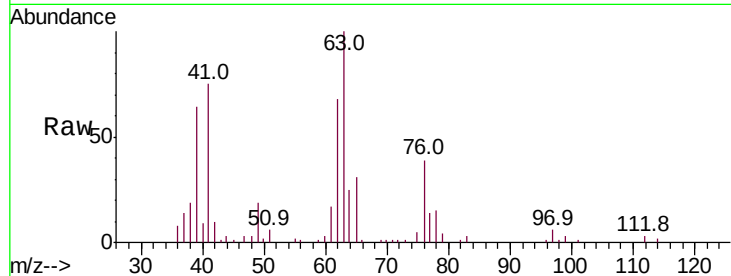




#45
 1,2-Dichloropropane
 Concen: 23.667 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

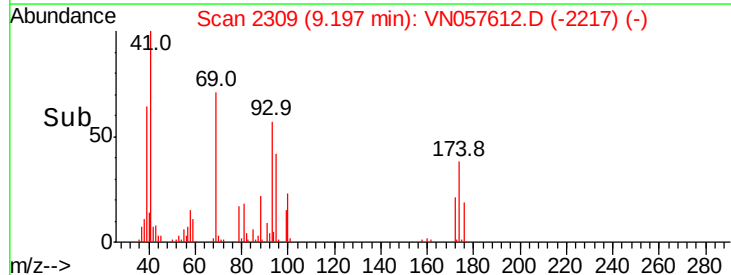
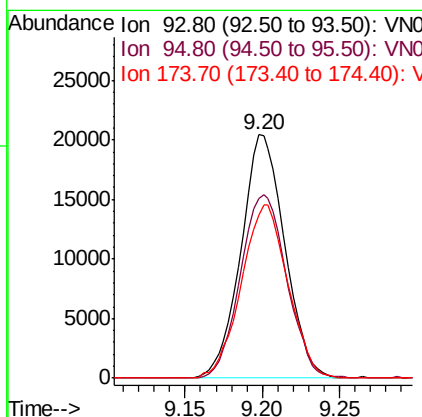
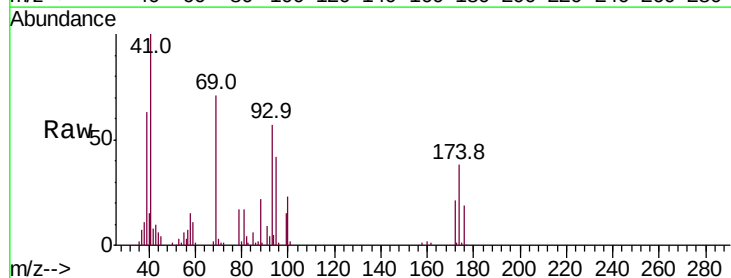
Instrument :
 MSVOA_N
 ClientSampleId :

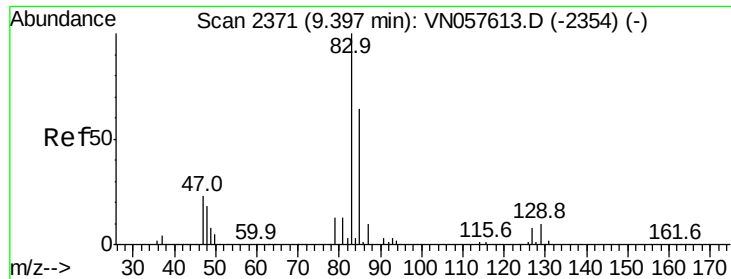
Tot Ion: 63 Resp: 64049
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.4 36.6



#46
 Dibromomethane
 Concen: 23.437 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion: 93 Resp: 40271
 Ion Ratio Lower Upper
 93 100
 95 79.7 65.8 98.6
 174 75.4 64.2 96.2





#47

Bromodichloromethane

Concen: 22.015 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :

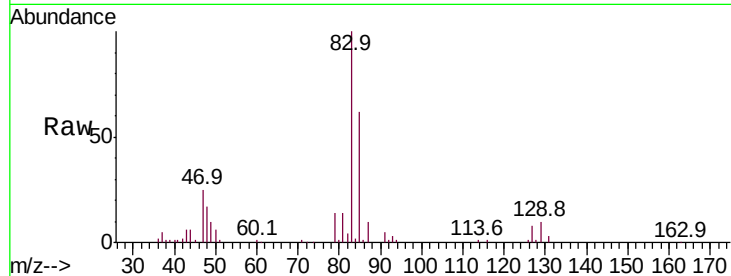
Tot Ion: 83 Resp: 78405

Ion Ratio Lower Upper

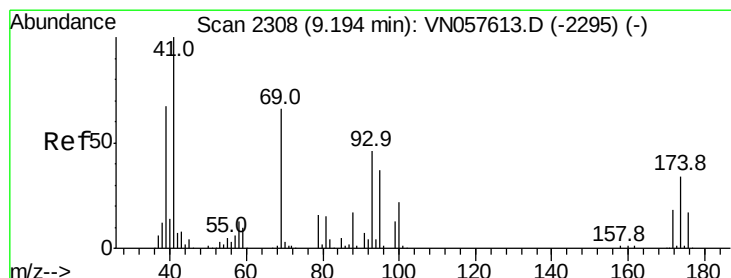
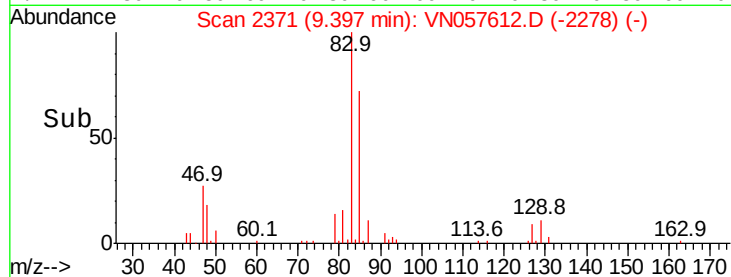
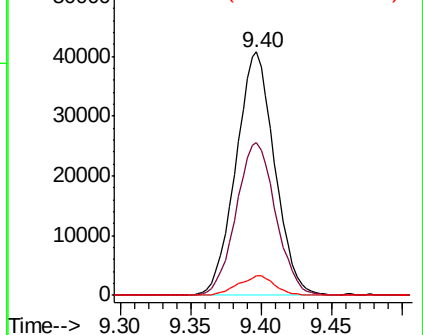
83 100

85 62.5 51.4 77.0

127 8.1 6.1 9.1



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



#48

Methyl methacrylate

Concen: 24.855 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

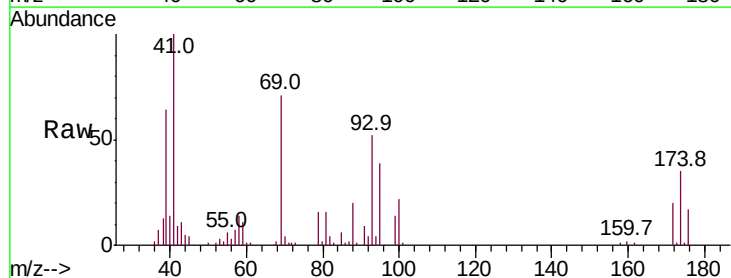
Tgt Ion: 41 Resp: 69306

Ion Ratio Lower Upper

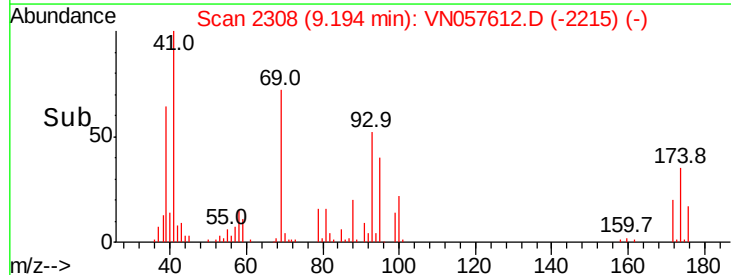
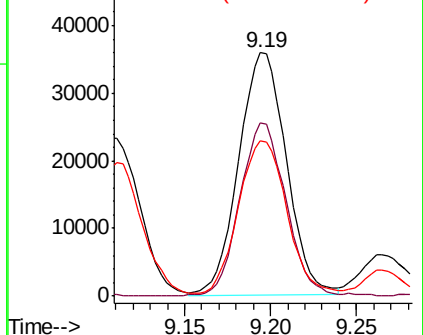
41 100

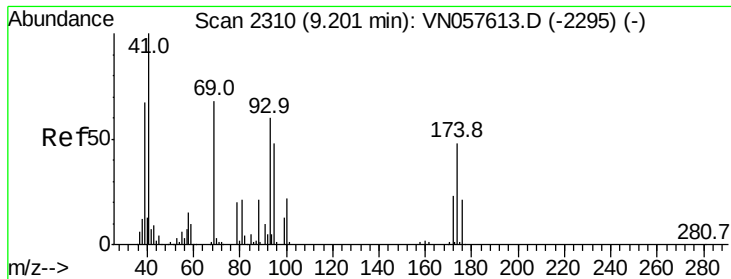
69 69.1 55.1 82.7

39 64.7 55.4 83.2



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

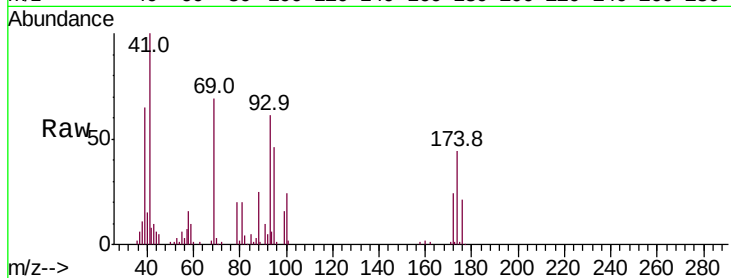




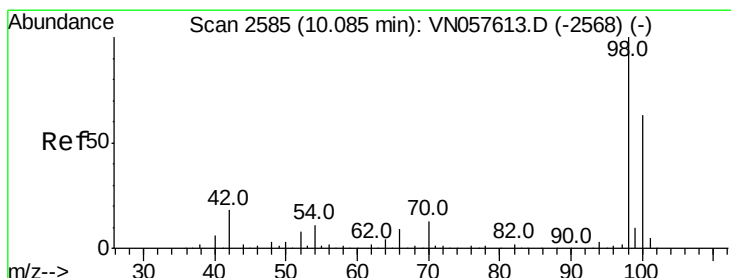
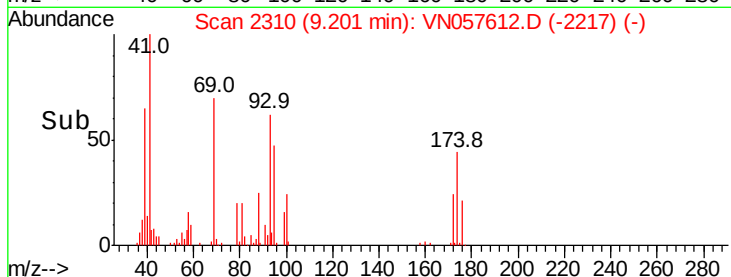
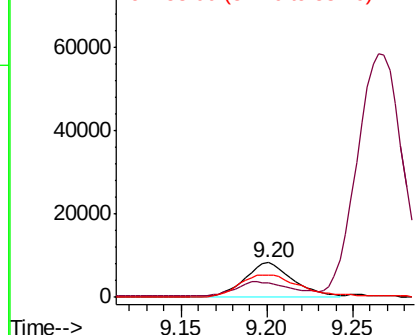
#49
1,4-Dioxane
Concen: 471.013 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 16560
Ion Ratio Lower Upper
88 100
43 43.0 35.0 52.4
58 81.1 61.6 92.4

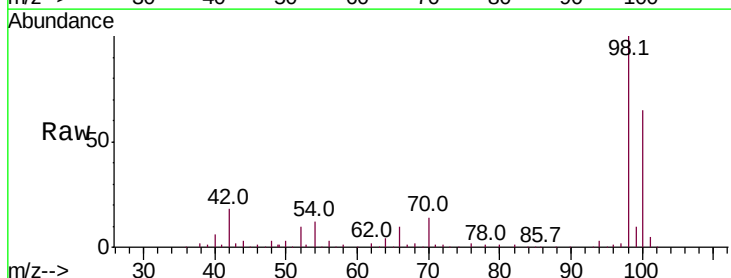


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

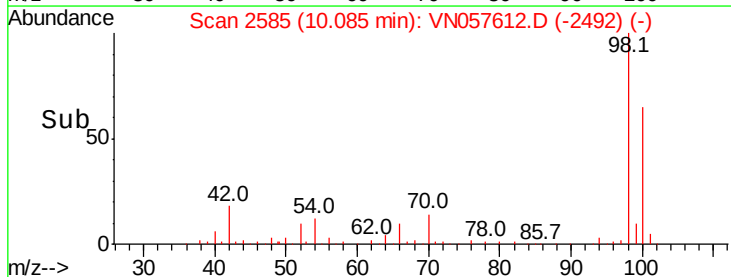
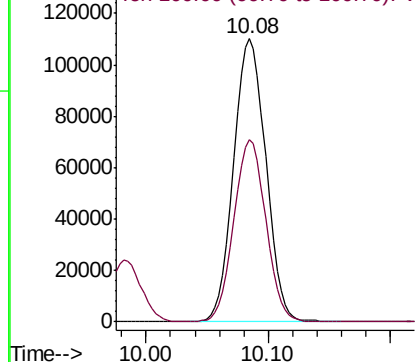


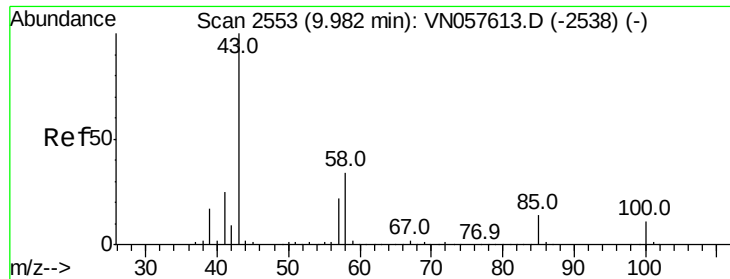
#50
Toluene-d8
Concen: 25.137 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 98 Resp: 202872
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.8



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

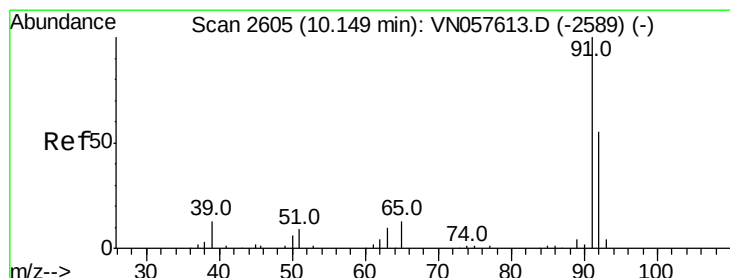
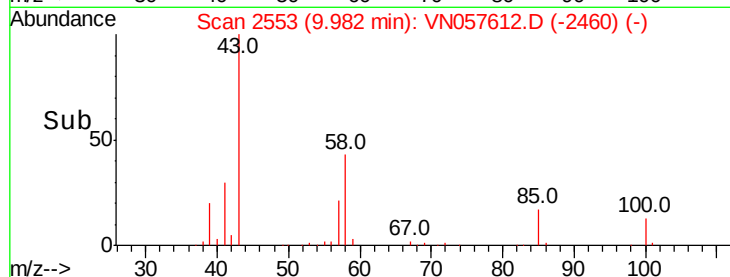
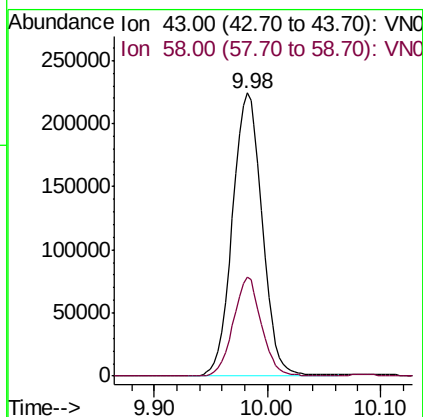
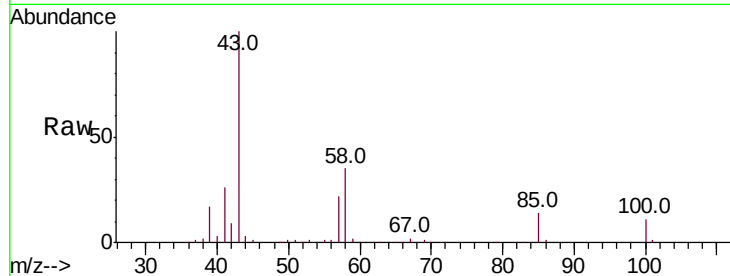




#51
4-Methyl-2-Pentanone
Concen: 125.291 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

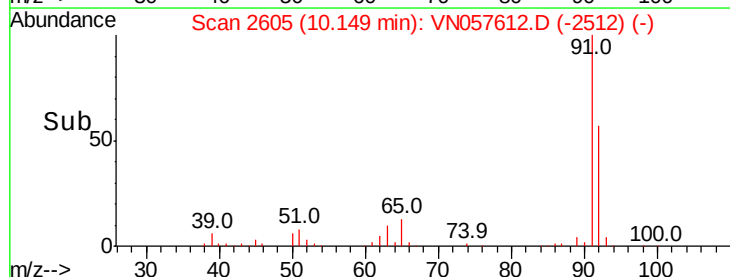
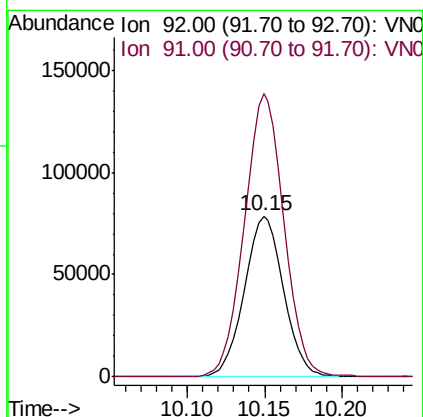
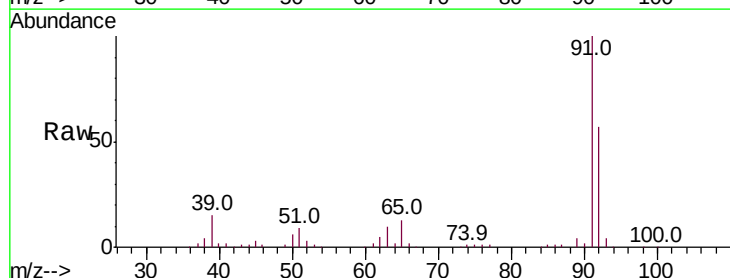
Instrument :
MSVOA_N
ClientSampled :

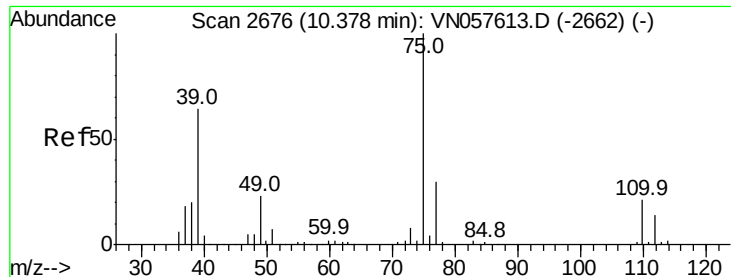
Tot Ion: 43 Resp: 409230
Ion Ratio Lower Upper
43 100
58 33.2 26.9 40.3



#52
Toluene
Concen: 24.908 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 92 Resp: 138710
Ion Ratio Lower Upper
92 100
91 178.3 143.8 215.6





#53

t-1,3-Dichloropropene

Concen: 20.560 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

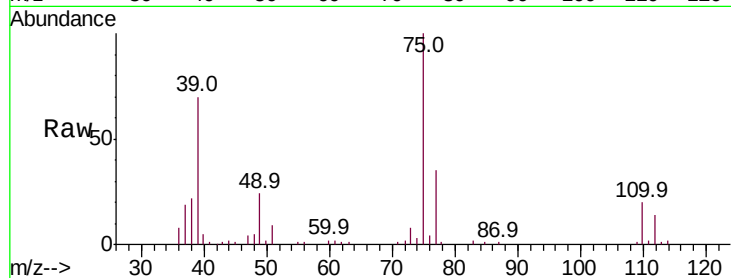
ClientSampled :

Tot Ion: 75 Resp: 76311

Ion Ratio Lower Upper

75 100

77 34.7 24.1 36.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

40000

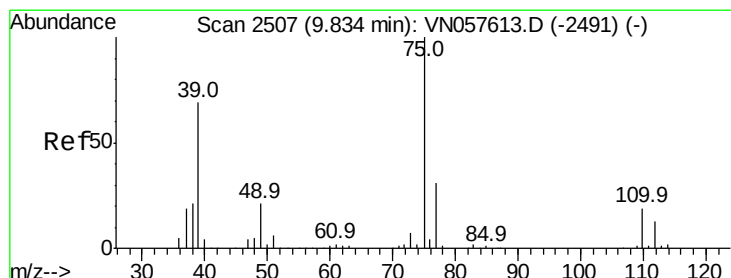
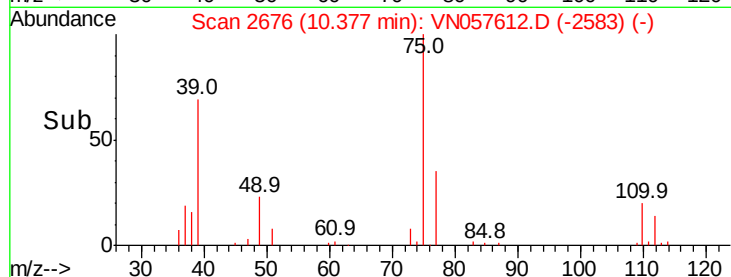
30000

20000

10000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 22.199 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

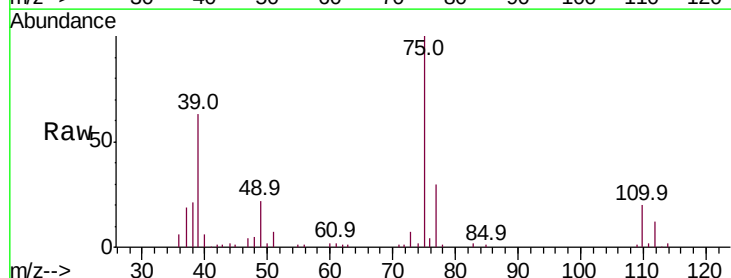
Tgt Ion: 75 Resp: 91934

Ion Ratio Lower Upper

75 100

77 30.3 24.8 37.2

39 62.9 55.0 82.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

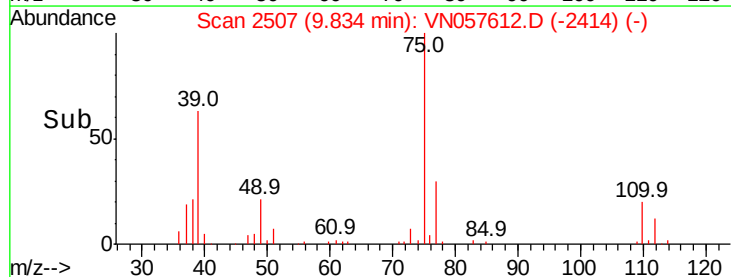
60000

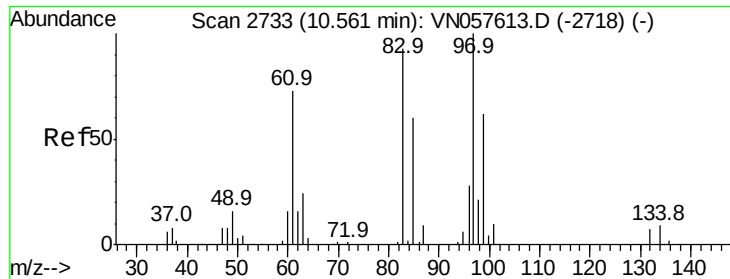
40000

20000

0

Time-->

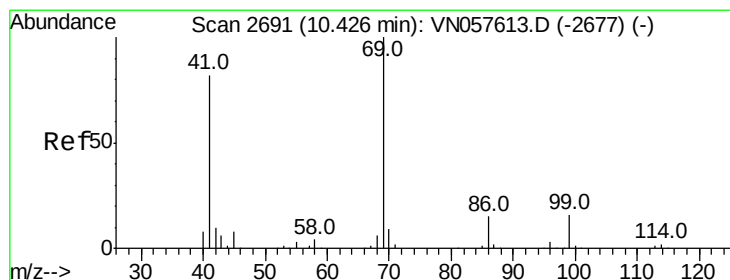
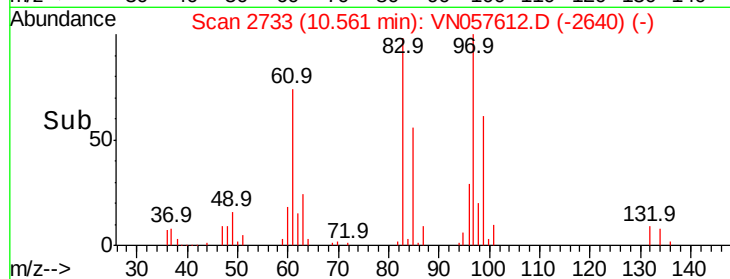
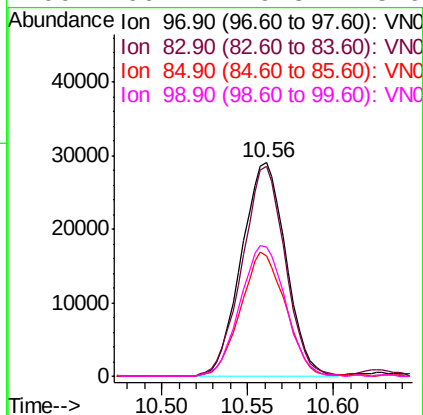
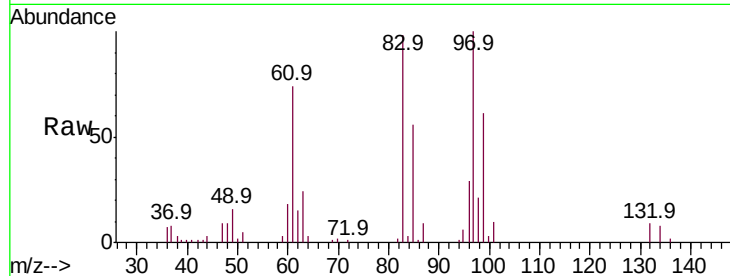




#55
 1,1,2-Trichloroethane
 Concen: 23.328 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

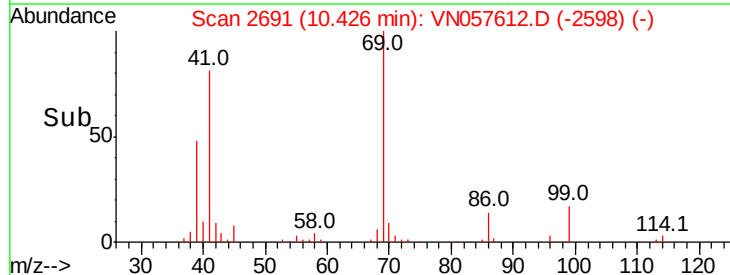
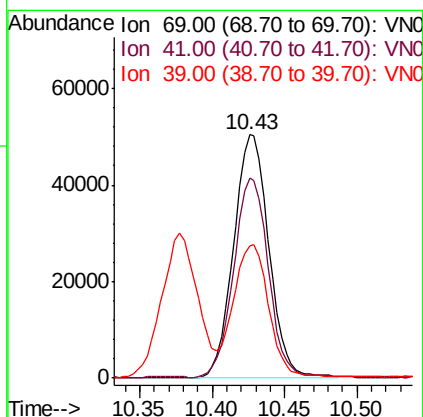
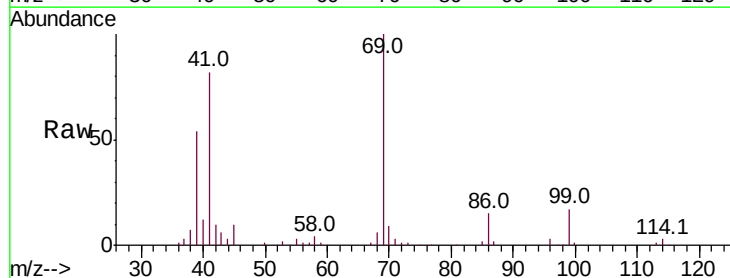
Instrument :
 MSVOA_N
 ClientSampled :

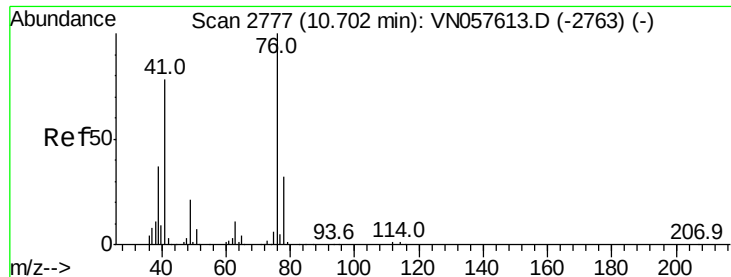
Tot Ion:	97	Resp:	52151
Ion	Ratio	Lower	Upper
97	100		
83	98.2	74.2	111.2
85	56.3	47.8	71.8
99	60.7	49.3	73.9



#56
 Ethyl methacrylate
 Concen: 24.155 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion:	69	Resp:	85269
Ion	Ratio	Lower	Upper
69	100		
41	80.6	65.8	98.6
39	53.8	43.8	65.8





#57

1,3-Dichloropropane

Concen: 24.840 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

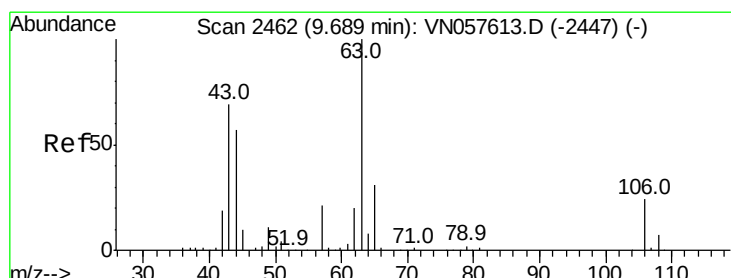
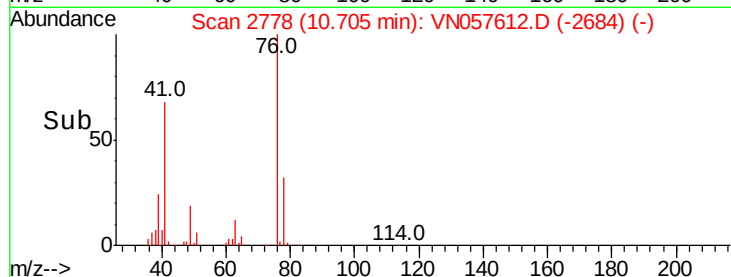
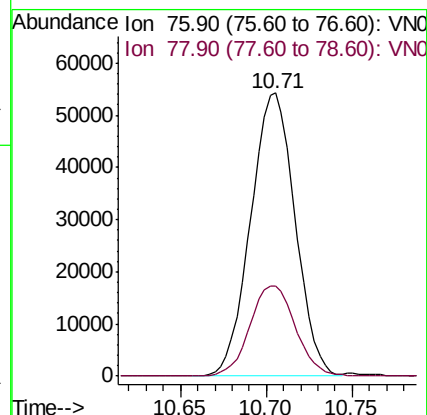
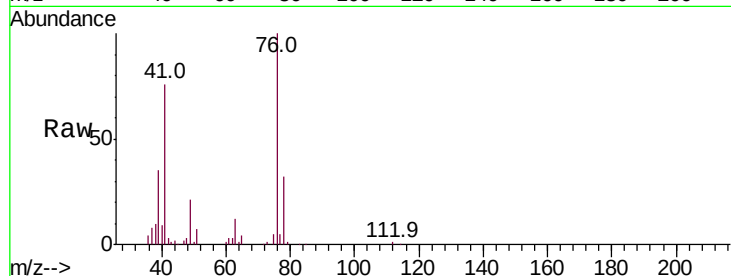
ClientSampled :

Tot Ion: 76 Resp: 97241

Ion Ratio Lower Upper

76 100

78 32.8 25.4 38.2



#58

2-Chloroethyl Vinyl ether

Concen: 134.339 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057612.D

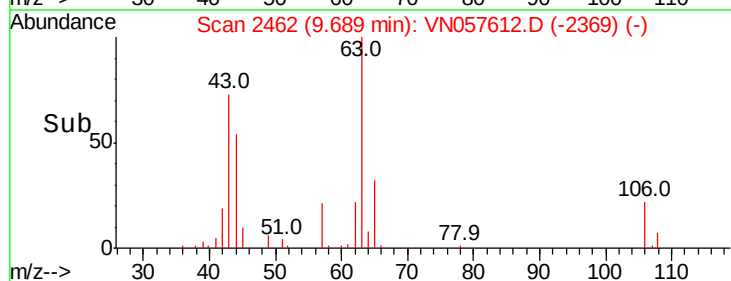
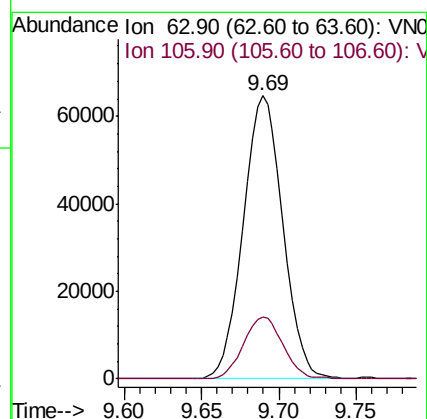
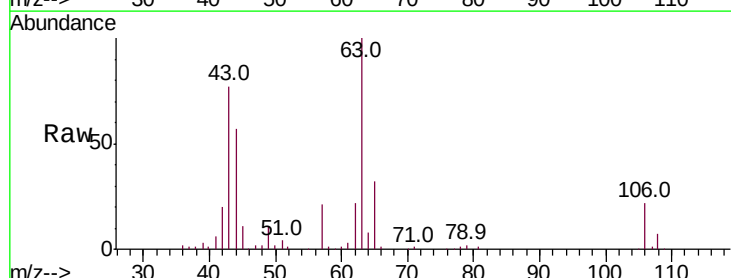
Acq: 31 Aug 2019 13:35

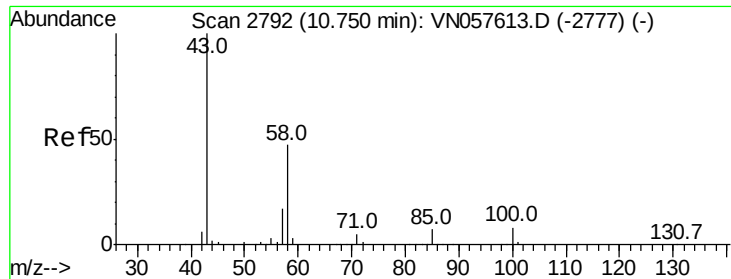
Tgt Ion: 63 Resp: 115113

Ion Ratio Lower Upper

63 100

106 21.8 18.3 27.5

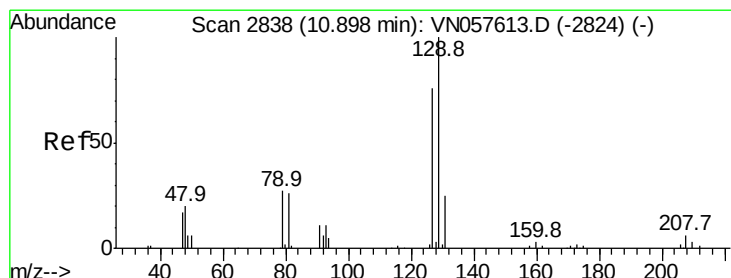
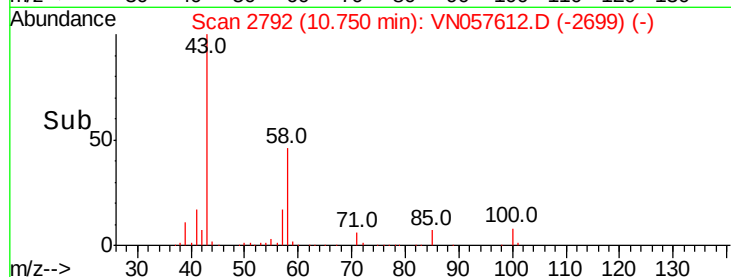
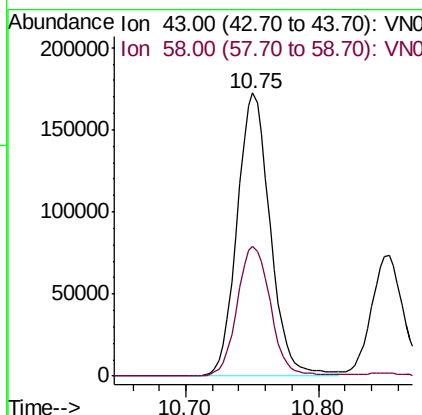
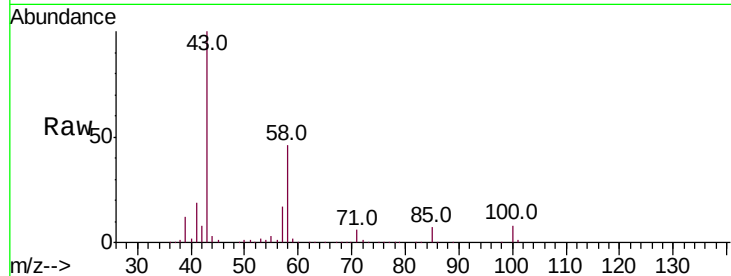




#59
2-Hexanone
Concen: 131.932 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

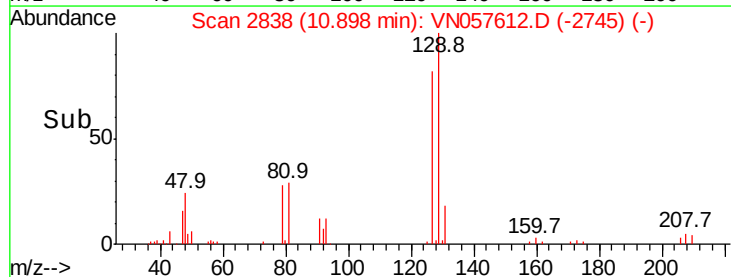
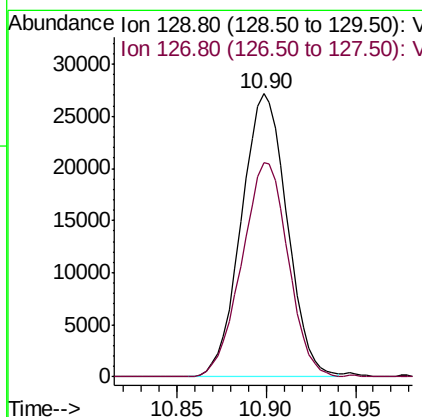
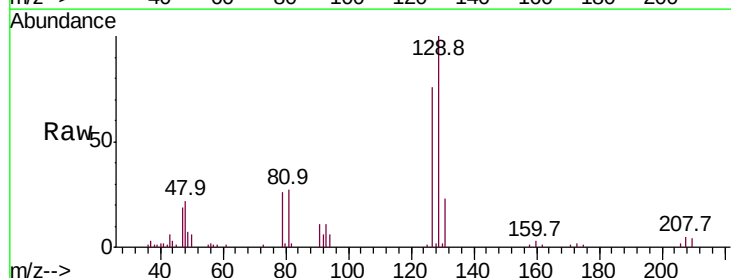
Instrument :
MSVOA_N
ClientSampled :

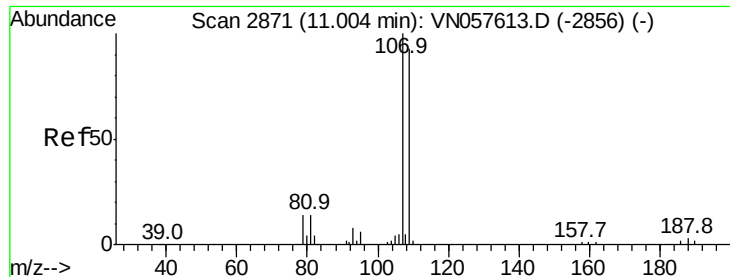
Tot Ion: 43 Resp: 297214
Ion Ratio Lower Upper
43 100
58 46.4 23.5 70.5



#60
Dibromochloromethane
Concen: 20.856 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 129 Resp: 48611
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8

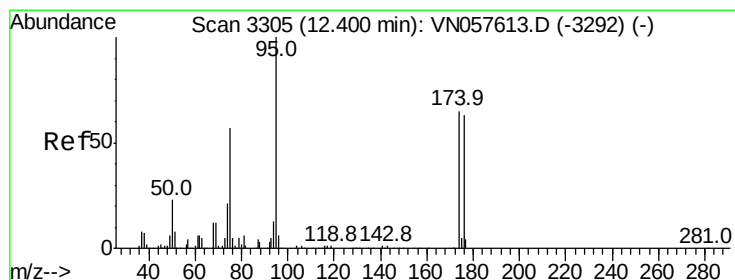
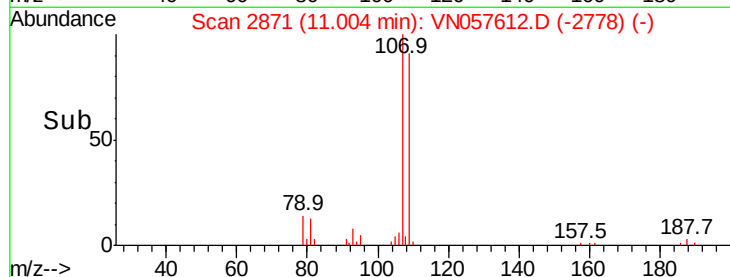
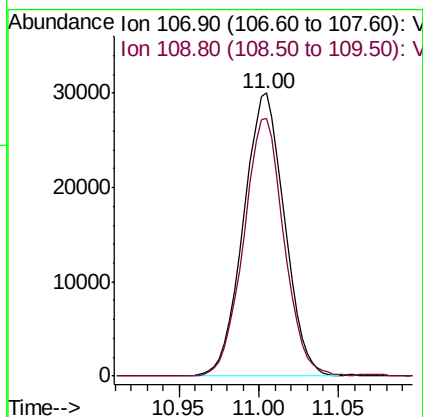
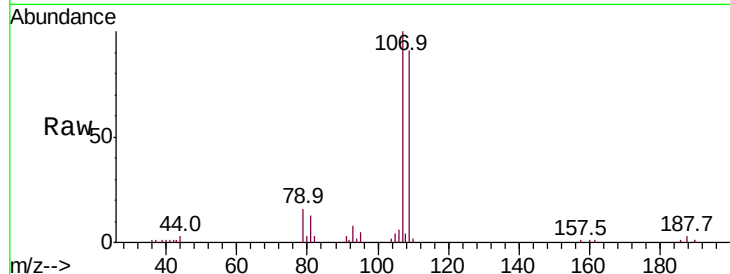




#61
 1,2-Dibromoethane
 Concen: 24.057 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

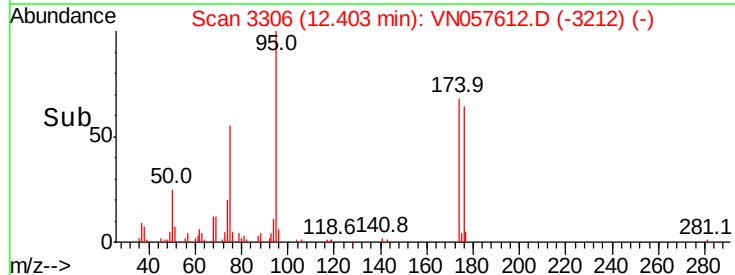
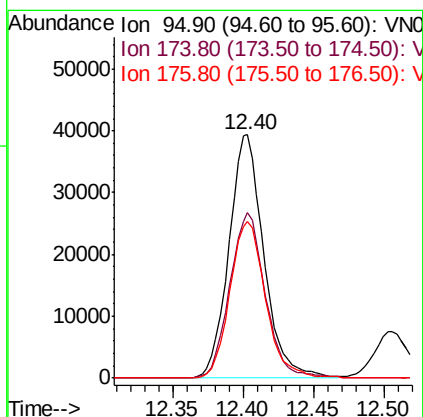
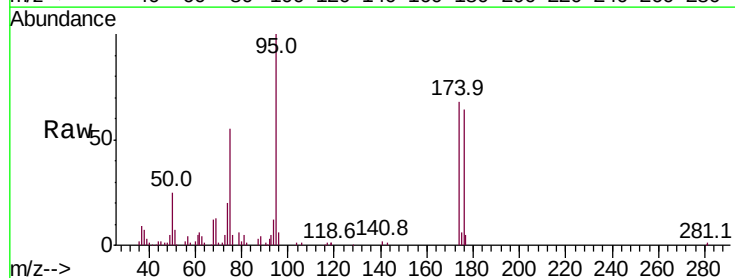
Instrument :
 MSVOA_N
 ClientSampleId :

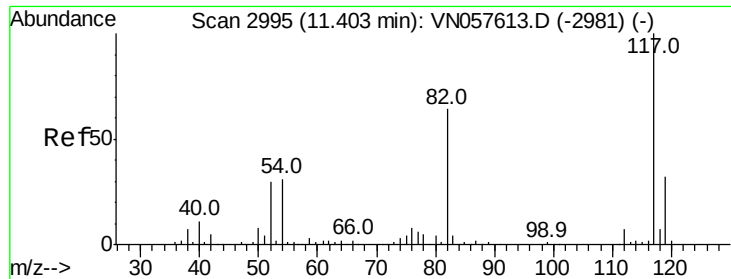
Tot Ion:107 Resp: 52616
 Ion Ratio Lower Upper
 107 100
 109 89.4 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 24.464 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion: 95 Resp: 68177
 Ion Ratio Lower Upper
 95 100
 174 69.0 0.0 134.8
 176 65.6 0.0 131.6

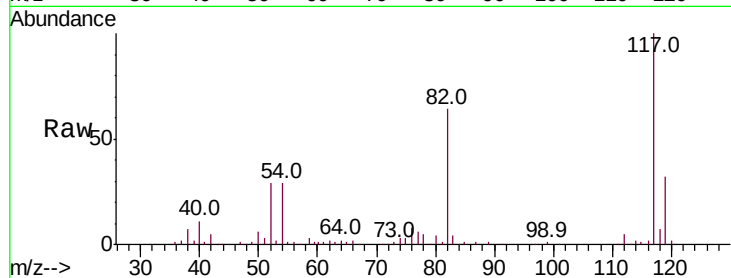




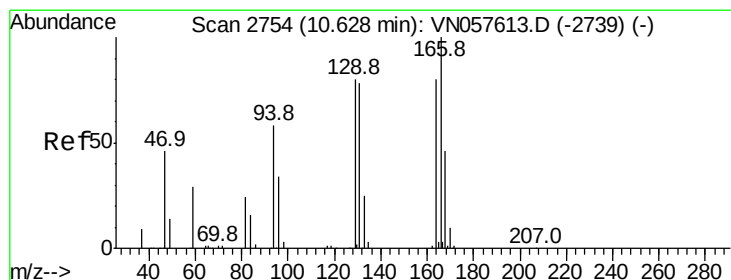
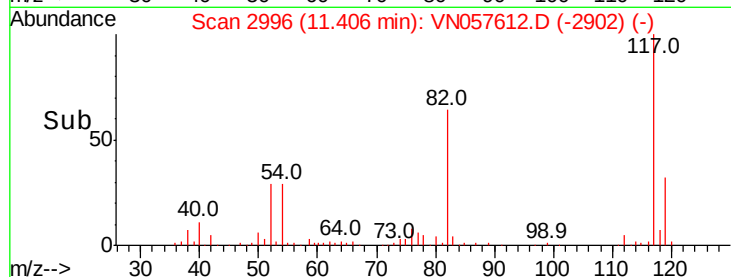
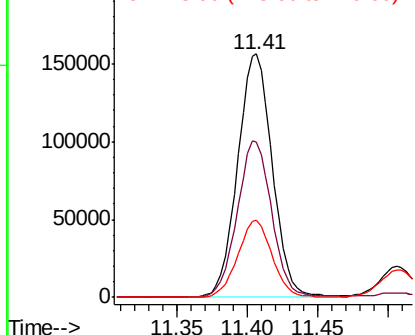
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 270183
Ion Ratio Lower Upper
117 100
82 63.5 51.6 77.4
119 31.5 25.8 38.6



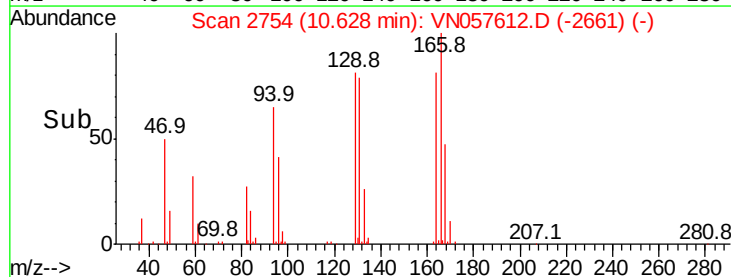
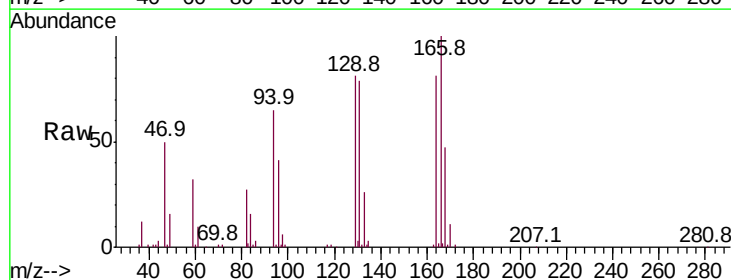
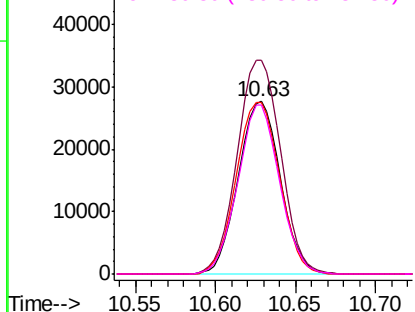
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

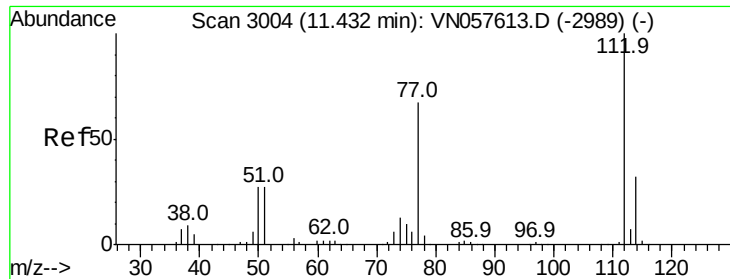


#64
Tetrachloroethene
Concen: 24.748 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion:164 Resp: 49576
Ion Ratio Lower Upper
164 100
166 123.8 100.6 151.0
129 99.7 80.4 120.6
131 98.0 78.6 118.0

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

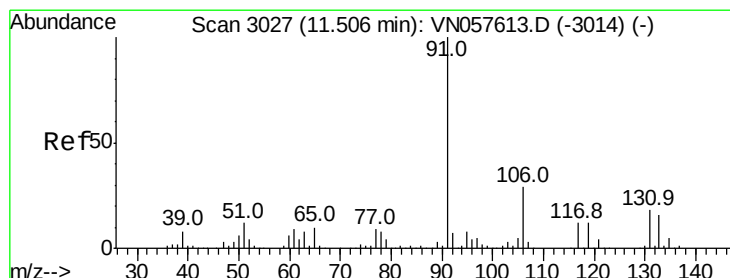
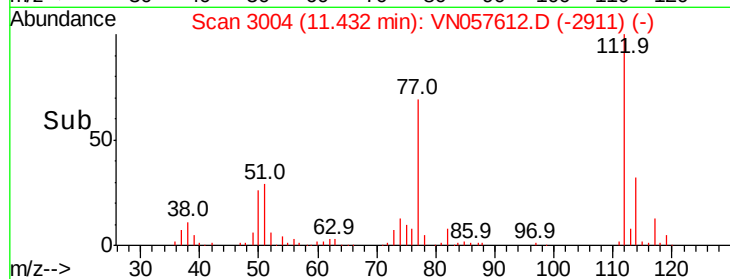
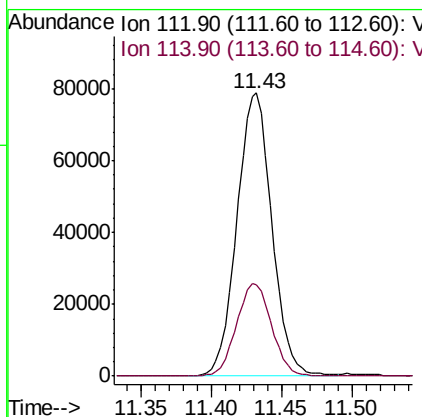
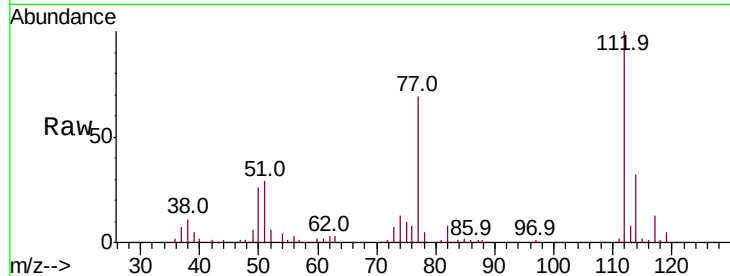




#65
Chlorobenzene
Concen: 23.723 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

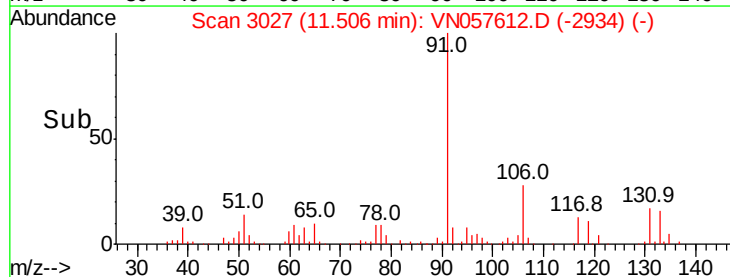
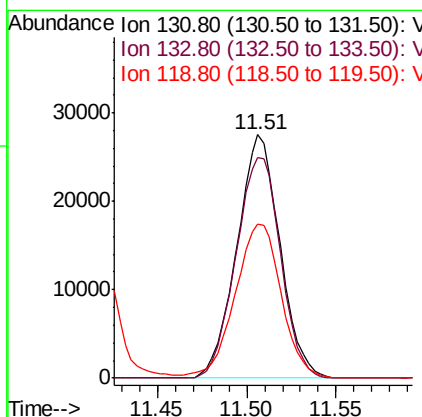
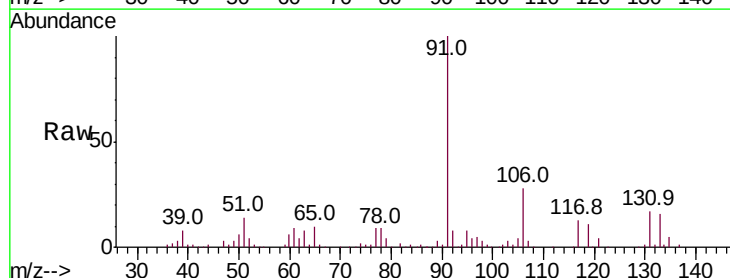
Instrument :
MSVOA_N
ClientSampled :

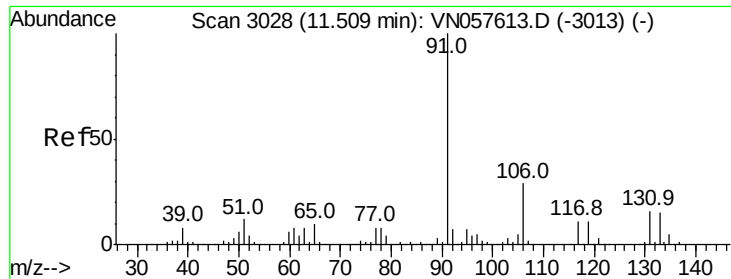
Tot Ion:112 Resp: 136994
Ion Ratio Lower Upper
112 100
114 32.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.323 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion:131 Resp: 46307
Ion Ratio Lower Upper
131 100
133 94.1 47.8 143.4
119 68.4 33.9 101.6

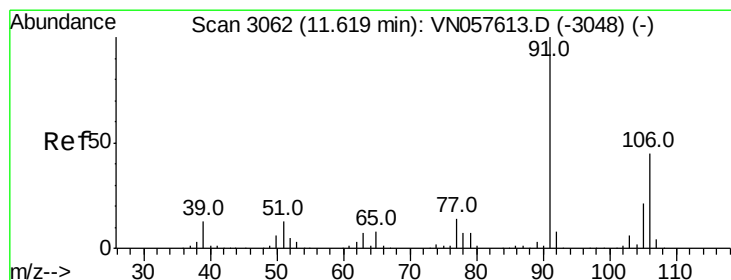
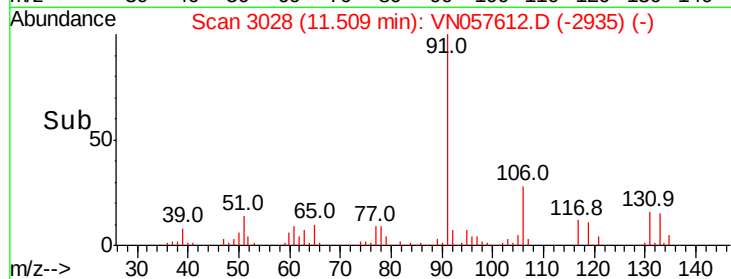
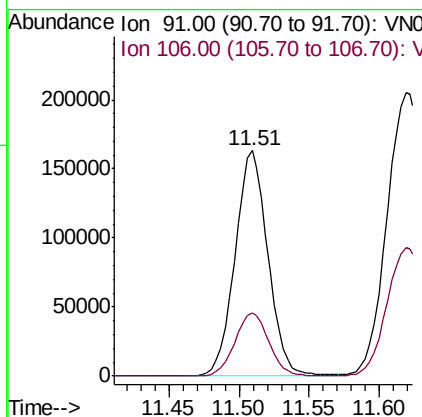
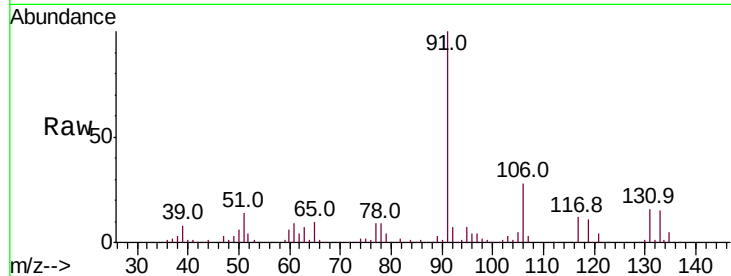




#67
Ethyl Benzene
Concen: 23.810 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

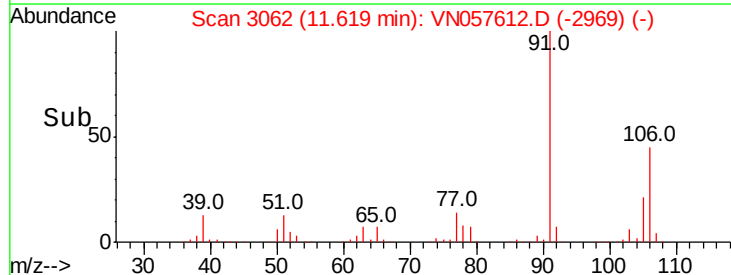
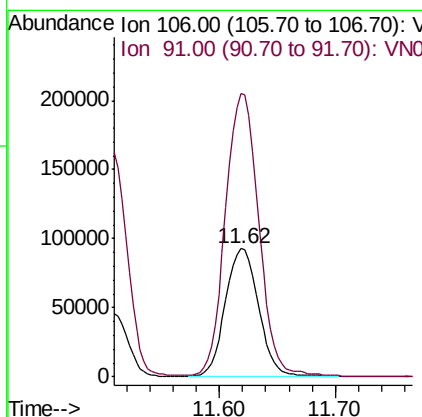
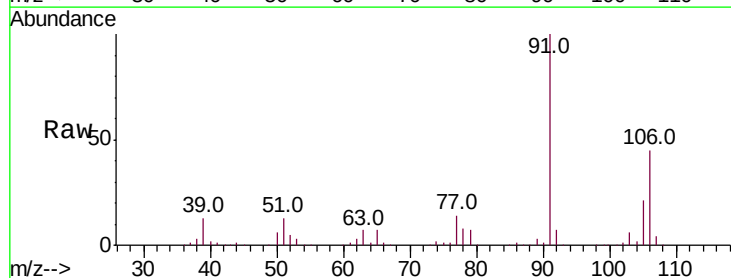
Instrument :
MSVOA_N
ClientSampled :

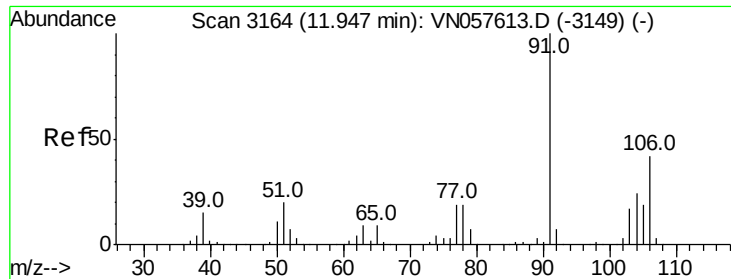
Tot Ion: 91 Resp: 266568
Ion Ratio Lower Upper
91 100
106 28.2 22.9 34.3



#68
m/p-Xylenes
Concen: 48.414 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 106 Resp: 184265
Ion Ratio Lower Upper
106 100
91 223.2 176.2 264.2

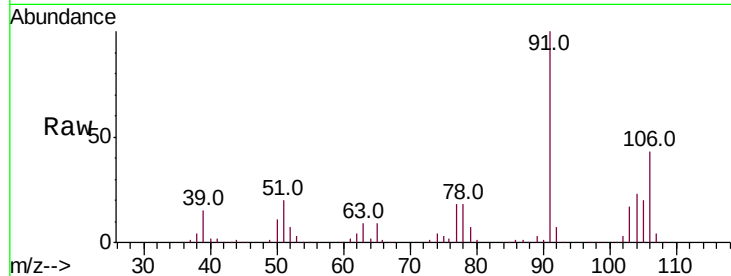




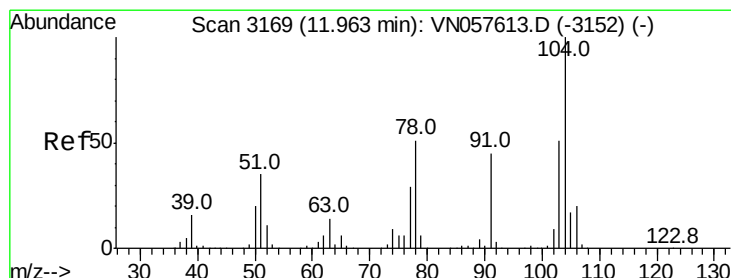
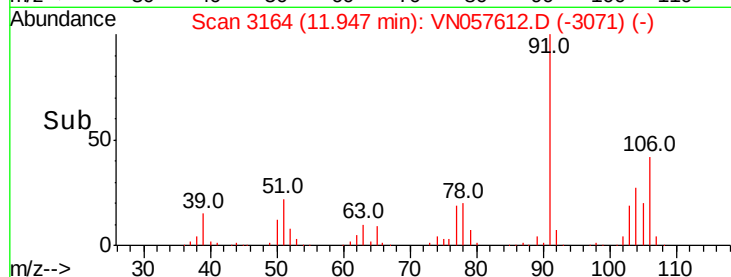
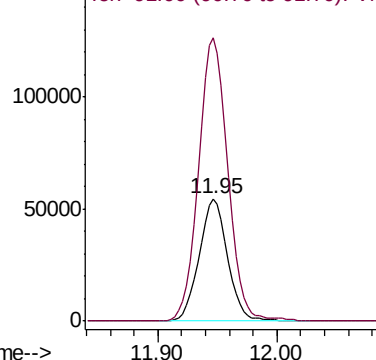
#69
o-Xylene
Concen: 24.001 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 90139
Ion Ratio Lower Upper
106 100
91 239.1 117.3 351.8

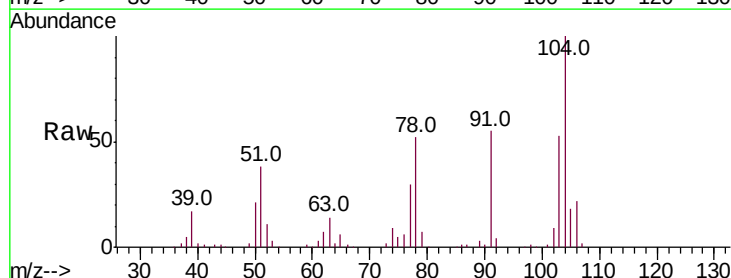


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

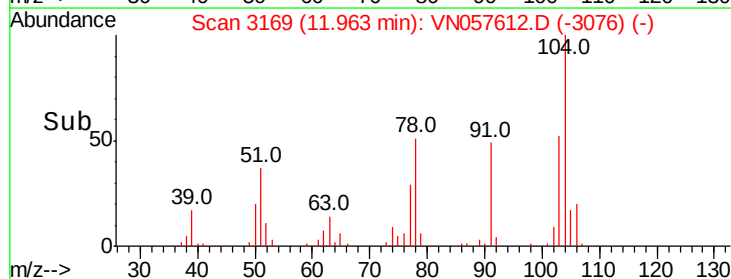
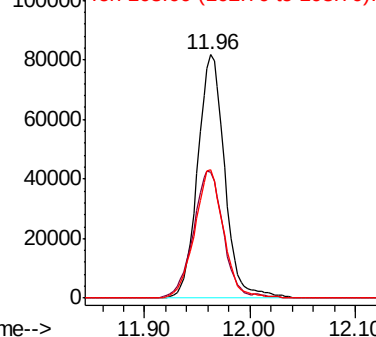


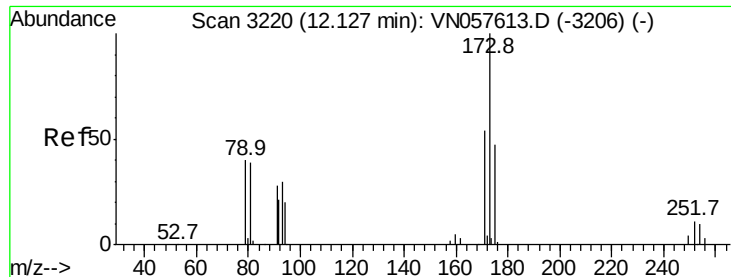
#70
Styrene
Concen: 24.249 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion:104 Resp: 145332
Ion Ratio Lower Upper
104 100
78 58.1 46.6 70.0
103 56.5 44.7 67.1



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: 18.722 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampleId :

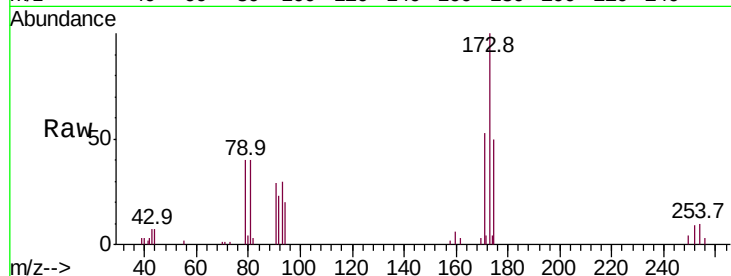
Tot Ion:173 Resp: 27178

Ion Ratio Lower Upper

173 100

175 48.2 24.4 73.4

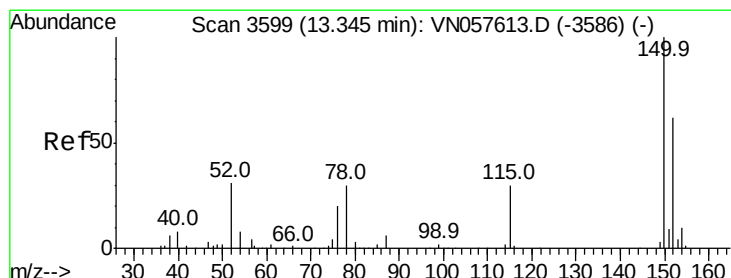
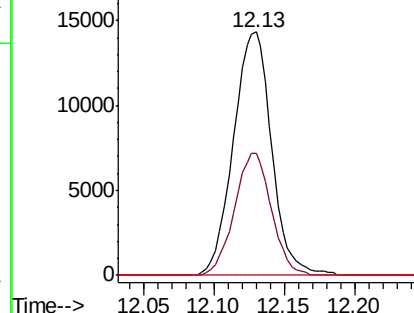
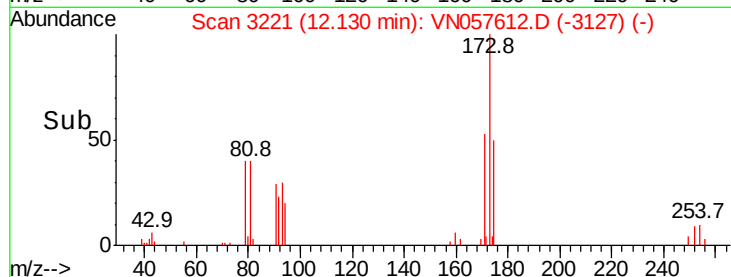
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

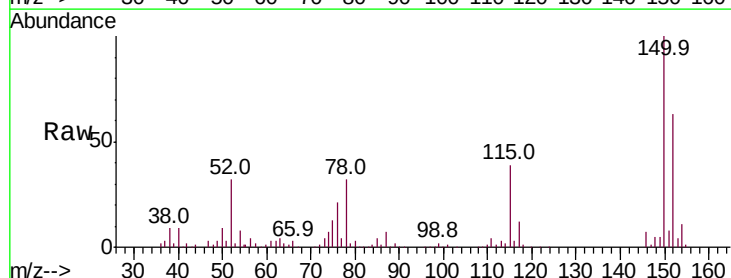
Tgt Ion:152 Resp: 111268

Ion Ratio Lower Upper

152 100

115 64.0 33.2 99.6

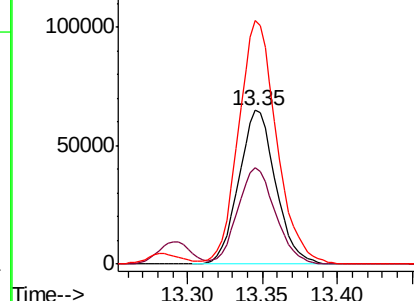
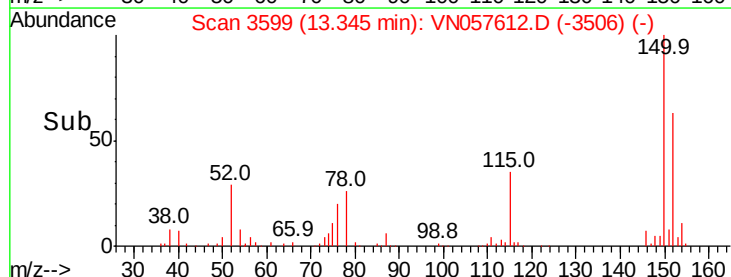
150 164.0 0.0 365.2

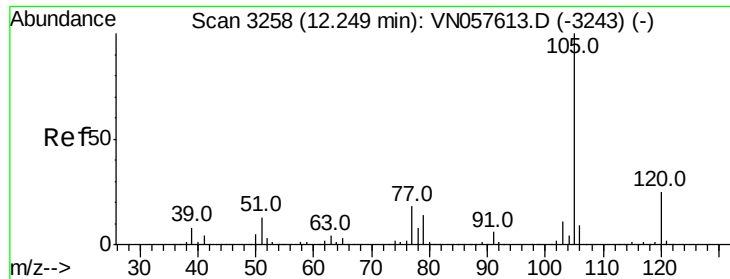


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.841 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

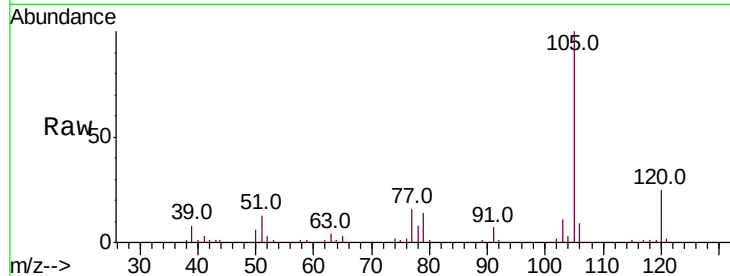
ClientSampleId :

Tot Ion:105 Resp: 252923

Ion Ratio Lower Upper

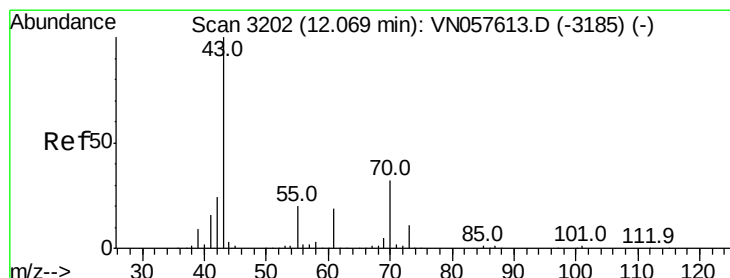
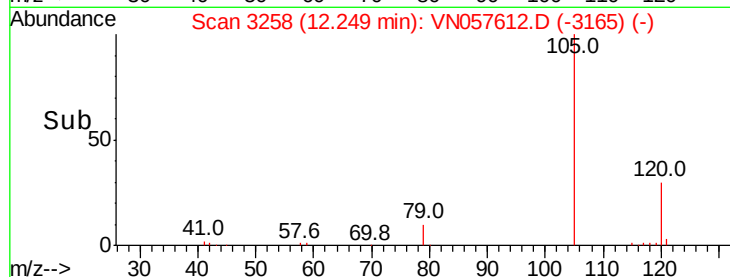
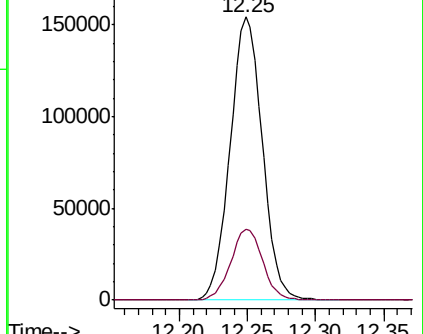
105 100

120 25.0 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.090 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Tgt Ion: 43 Resp: 117587

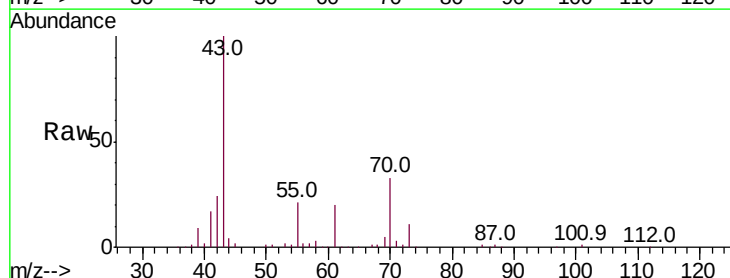
Ion Ratio Lower Upper

43 100

70 32.5 26.9 40.3

55 21.4 16.8 25.2

61 20.6 15.1 22.7

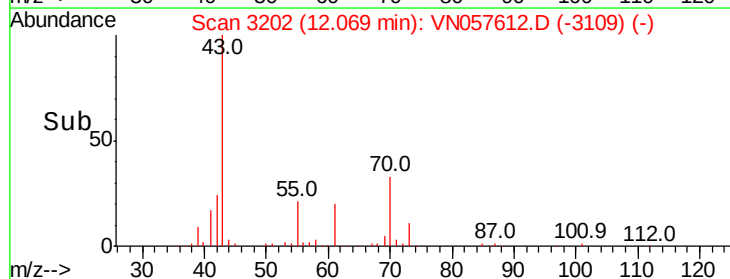
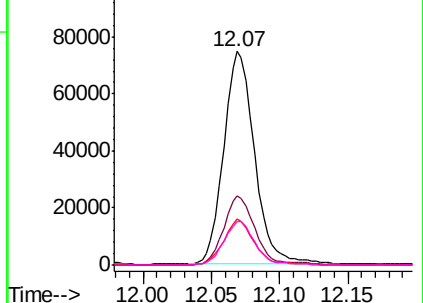


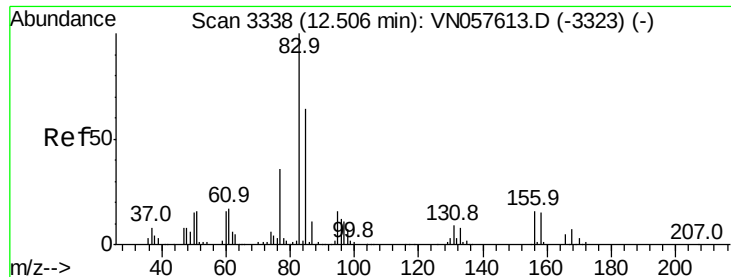
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.469 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

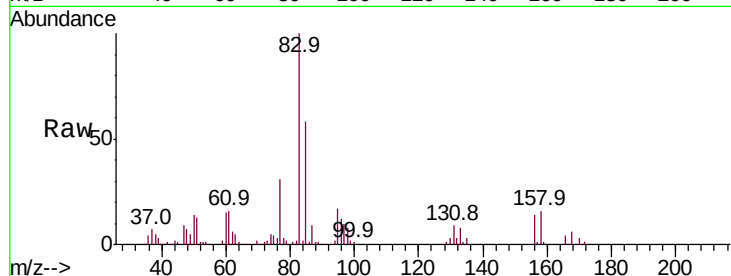
Tot Ion: 83 Resp: 76565

Ion Ratio Lower Upper

83 100

131 8.6 4.5 13.7

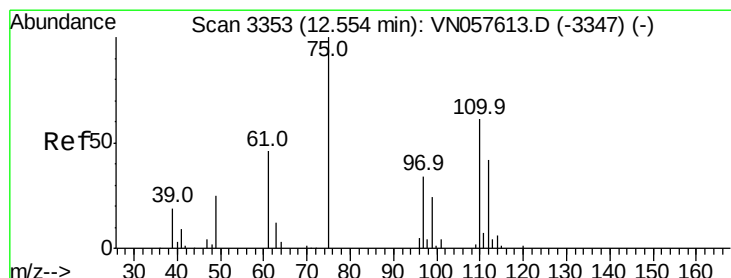
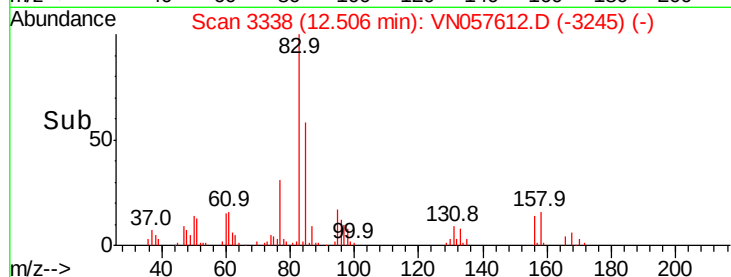
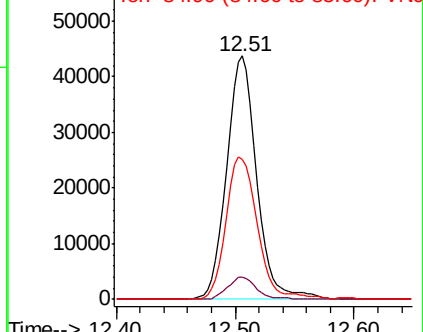
85 59.7 31.3 93.8



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 32.007 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057612.D

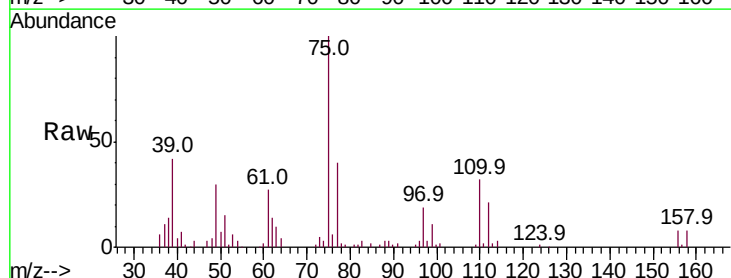
Acq: 31 Aug 2019 13:35

Tgt Ion: 75 Resp: 93554

Ion Ratio Lower Upper

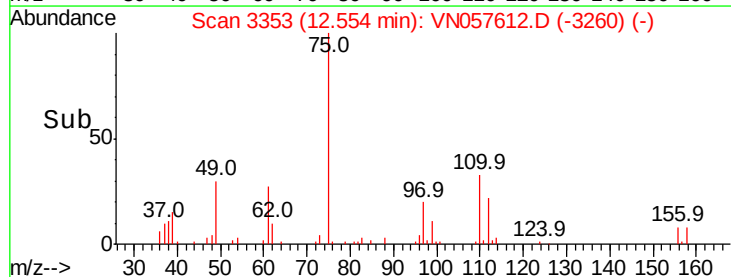
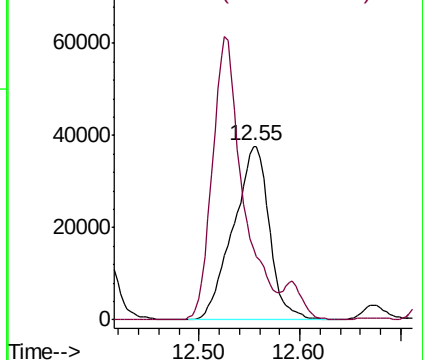
75 100

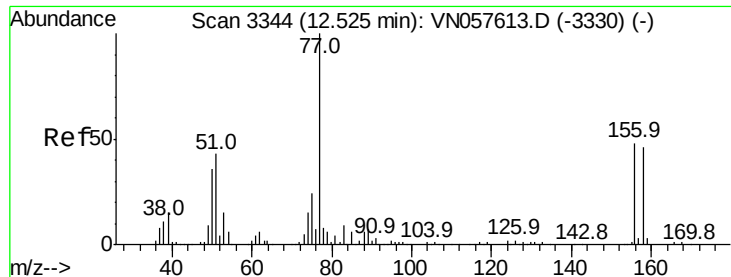
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 20.648 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

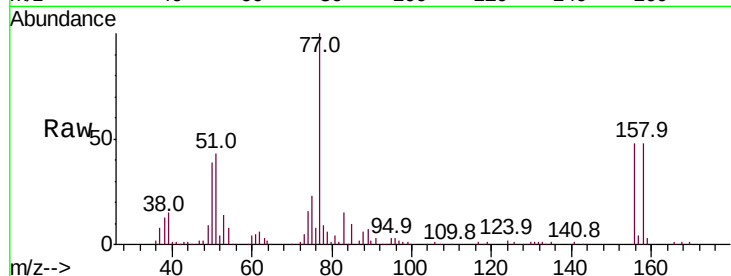
Tot Ion:156 Resp: 52678

Ion Ratio Lower Upper

156 100

77 246.9 123.5 370.5

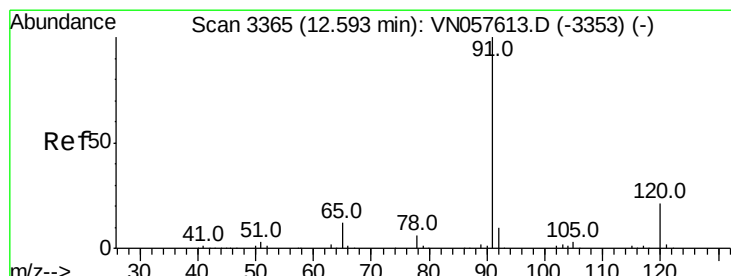
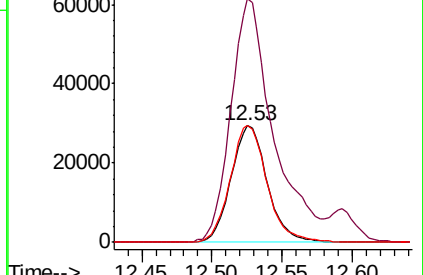
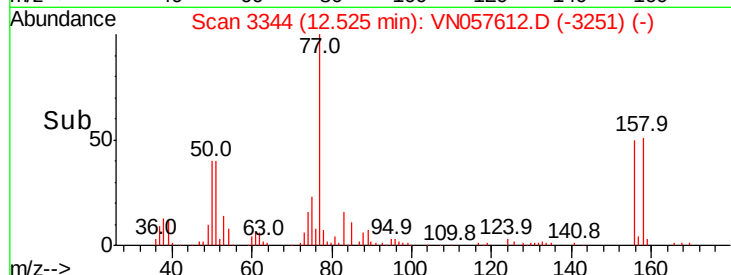
158 102.3 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.380 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057612.D

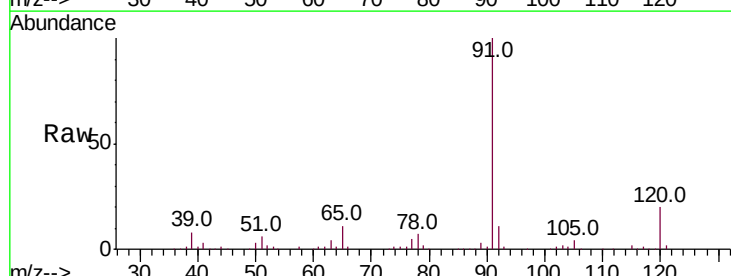
Acq: 31 Aug 2019 13:35

Tgt Ion: 91 Resp: 262787

Ion Ratio Lower Upper

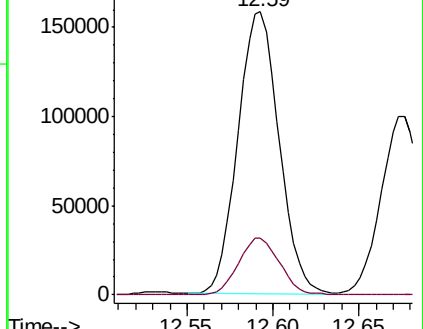
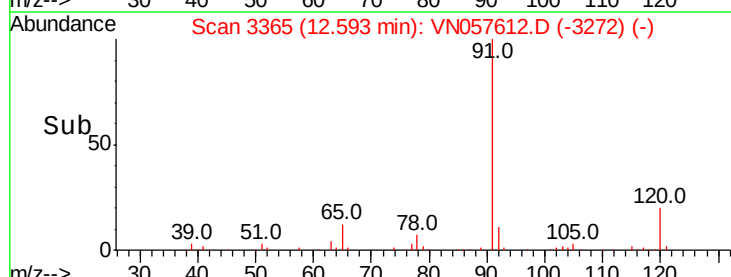
91 100

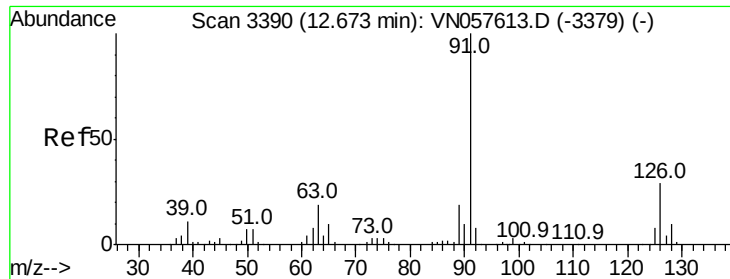
120 20.2 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.059 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

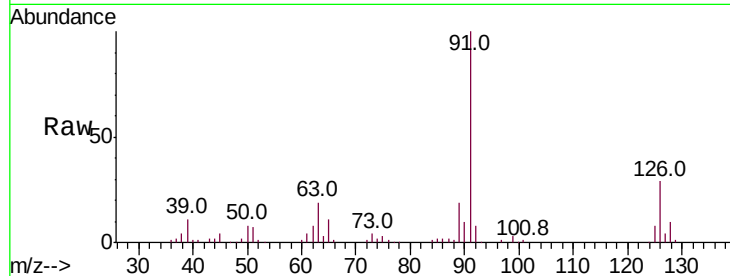
ClientSampleId :

Tot Ion: 91 Resp: 171179

Ion Ratio Lower Upper

91 100

126 29.2 14.9 44.5



Abundance Ion 91.00 (90.70 to 91.70): VN057612.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057612.D (-3379) (-)

12.68

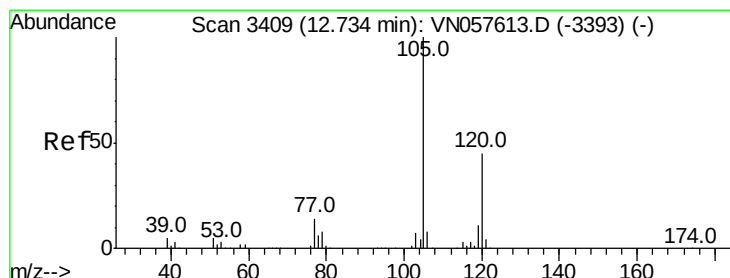
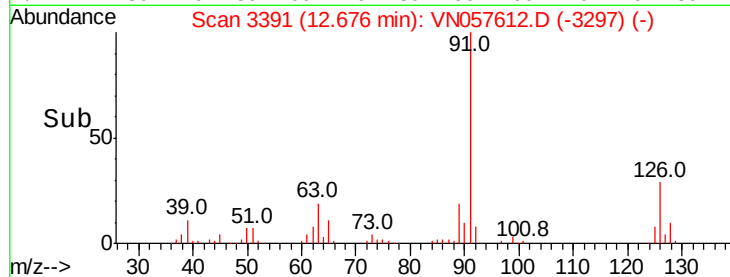
100000

50000

0

12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.140 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057612.D

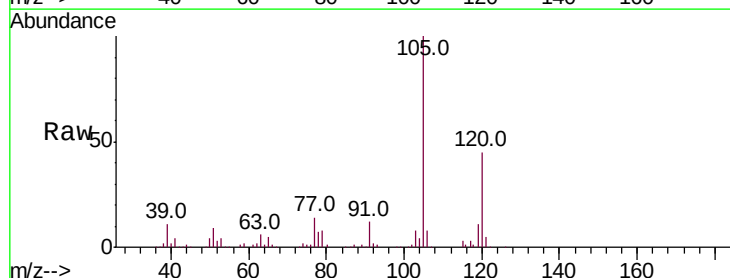
Acq: 31 Aug 2019 13:35

Tgt Ion:105 Resp: 202908

Ion Ratio Lower Upper

105 100

120 45.8 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057612.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057612.D (-3393) (-)

12.73

150000

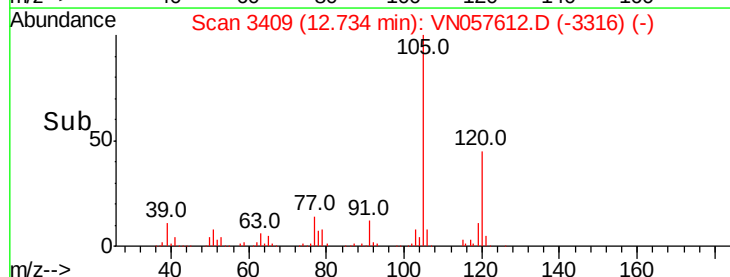
100000

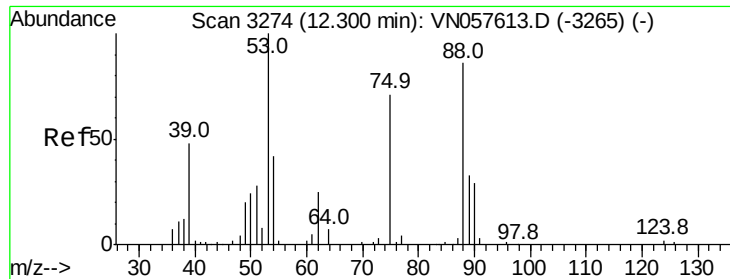
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 16.366 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

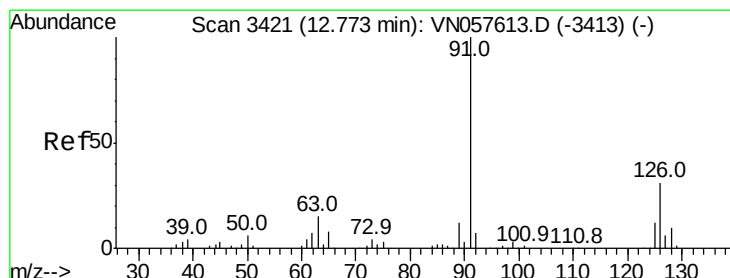
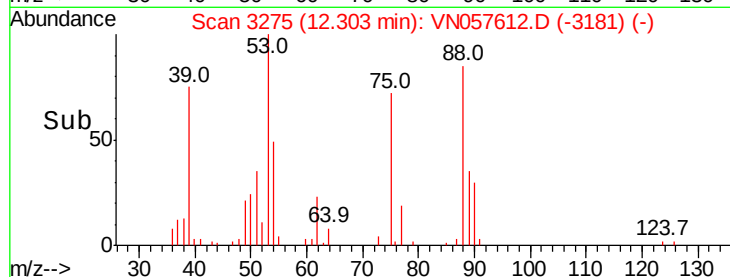
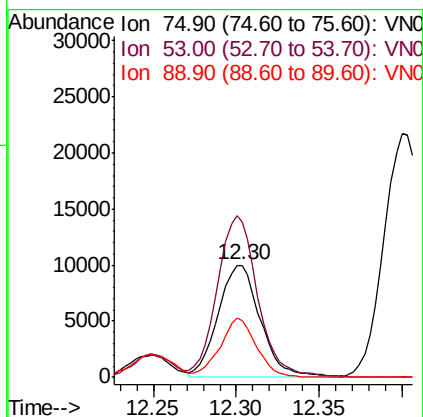
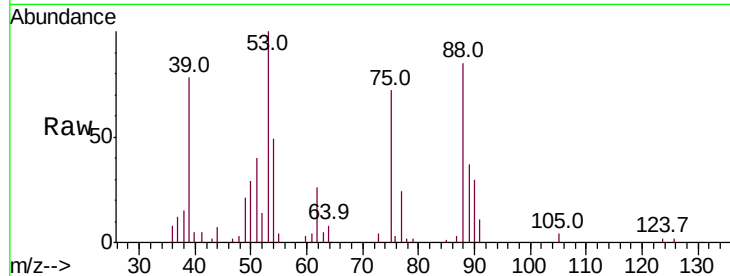
Tot Ion: 75 Resp: 17778

Ion Ratio Lower Upper

75 100

53 138.4 111.0 166.6

89 44.8 38.3 57.5



#82

4-Chlorotoluene

Concen: 20.183 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057612.D

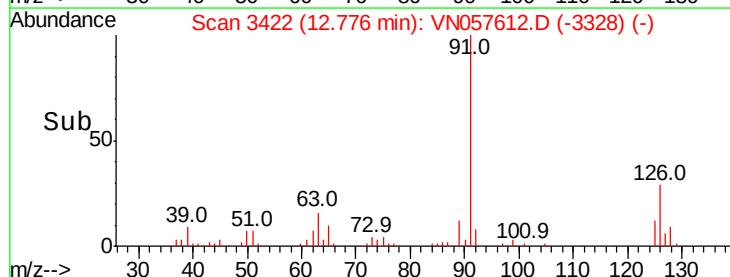
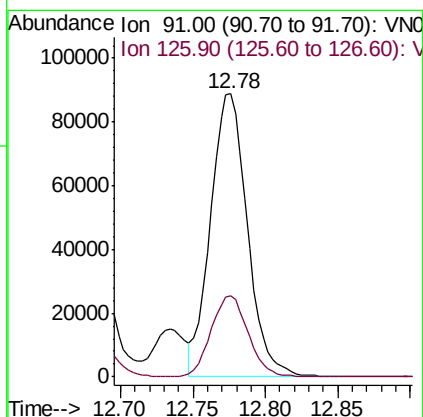
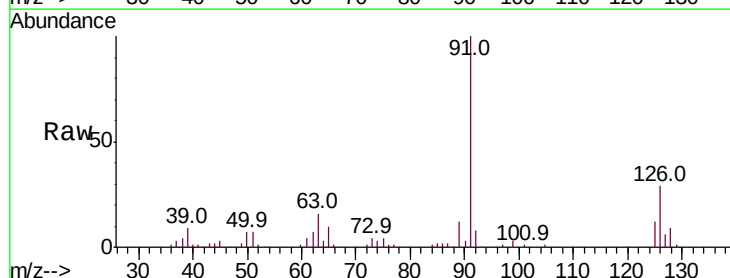
Acq: 31 Aug 2019 13:35

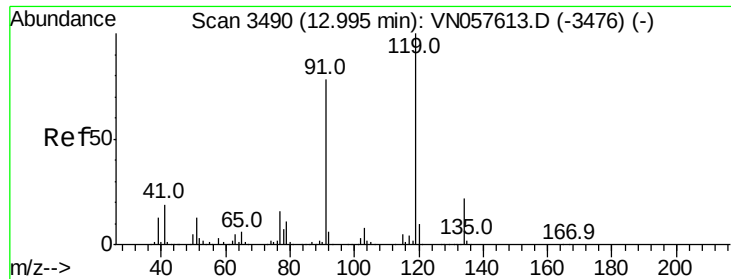
Tgt Ion: 91 Resp: 156506

Ion Ratio Lower Upper

91 100

126 29.0 14.4 43.2

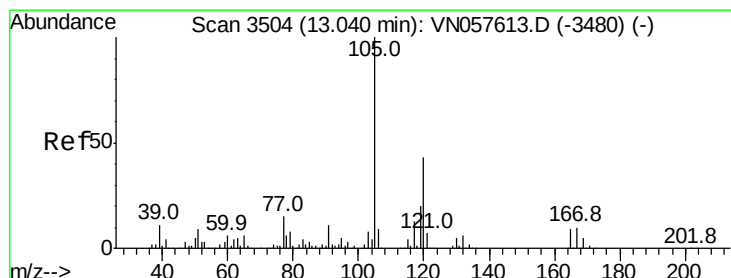
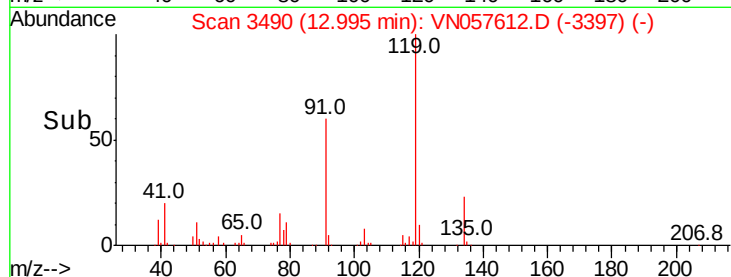
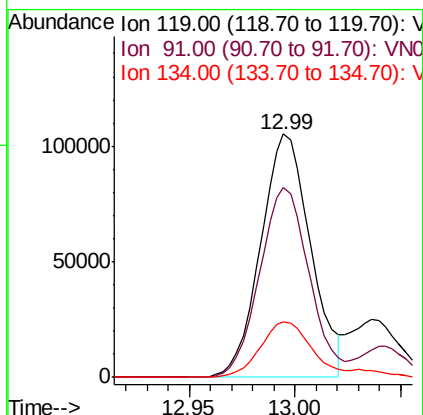
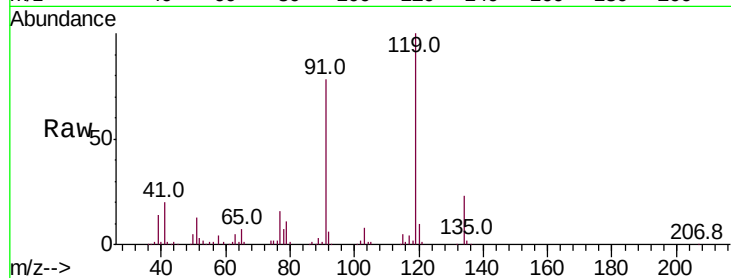




#83
 tert-Butylbenzene
 Concen: 19.336 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

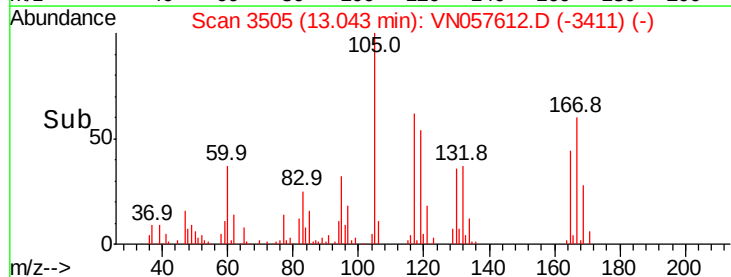
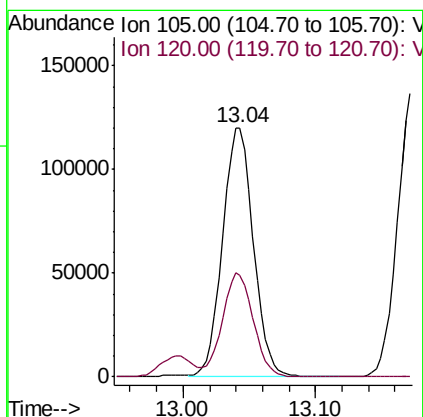
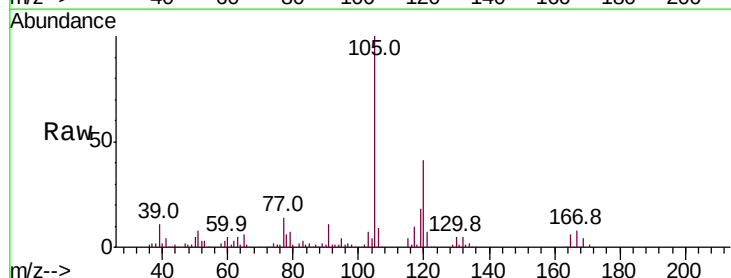
Instrument :
 MSVOA_N
 ClientSampled :

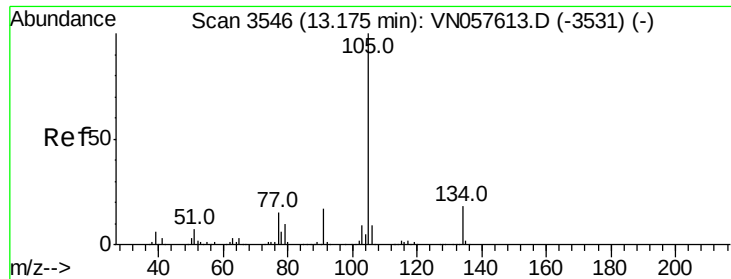
Tot Ion:119 Resp: 172865
 Ion Ratio Lower Upper
 119 100
 91 77.8 38.3 114.9
 134 25.6 11.3 33.8



#84
 1,2,4-Trimethylbenzene
 Concen: 21.759 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion:105 Resp: 194291
 Ion Ratio Lower Upper
 105 100
 120 41.5 20.8 62.5





#85

sec-Butylbenzene

Concen: 20.451 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

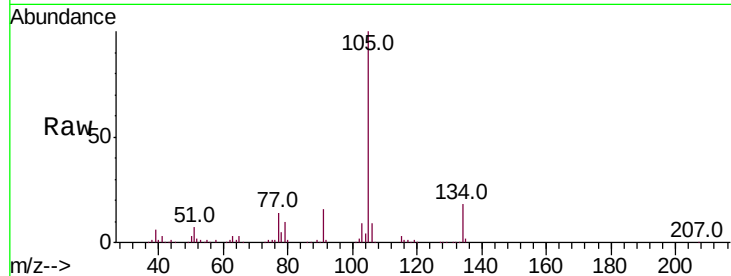
ClientSampleId :

Tot Ion:105 Resp: 224655

Ion Ratio Lower Upper

105 100

134 17.8 8.9 26.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

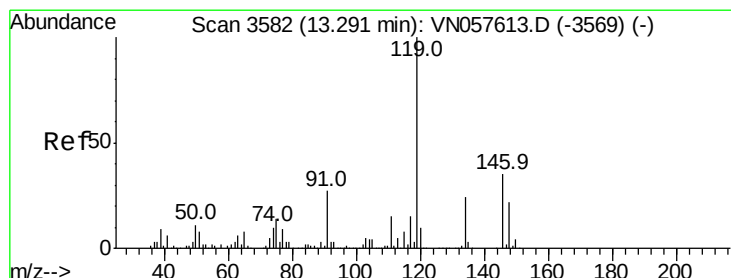
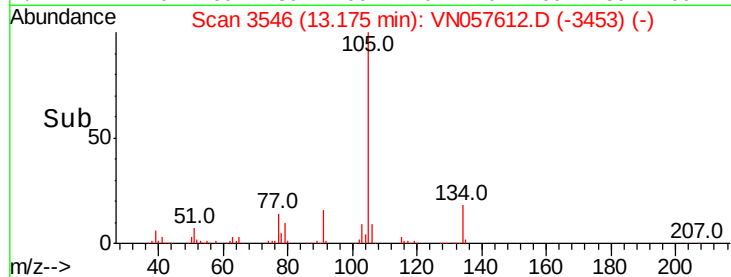
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.899 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

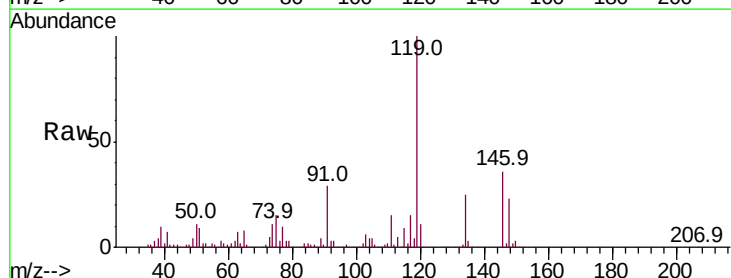
Tgt Ion:119 Resp: 178105

Ion Ratio Lower Upper

119 100

134 24.5 11.9 35.5

91 28.8 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

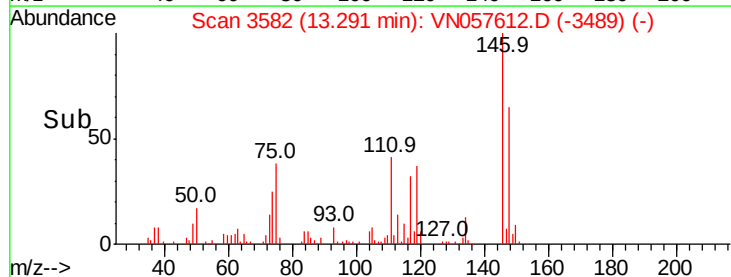
150000

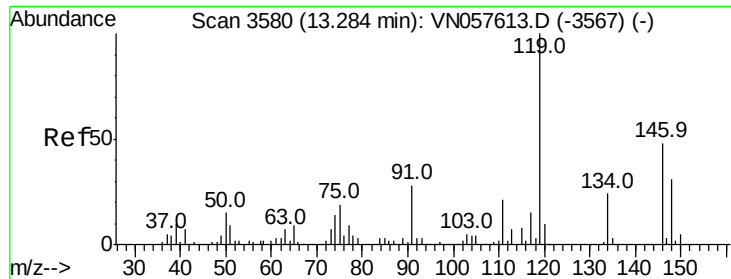
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

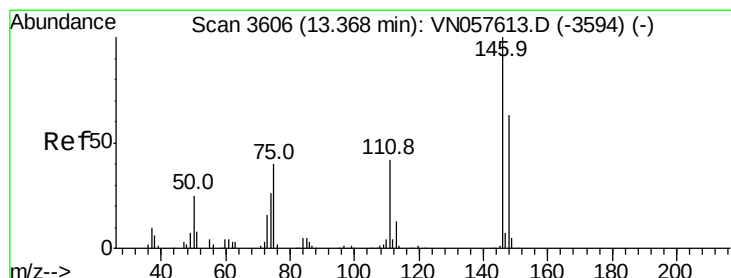
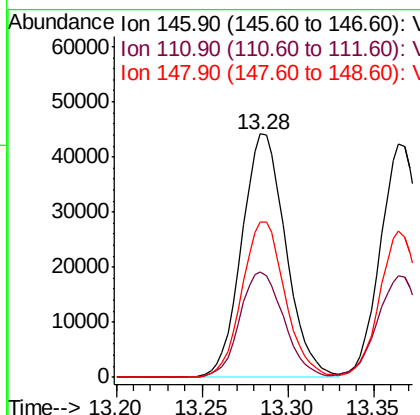
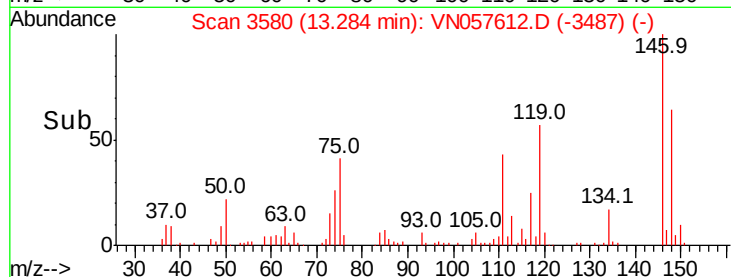
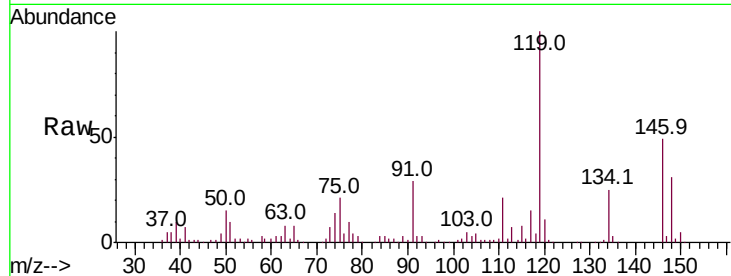




#87
 1,3-Dichlorobenzene
 Concen: 21.126 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

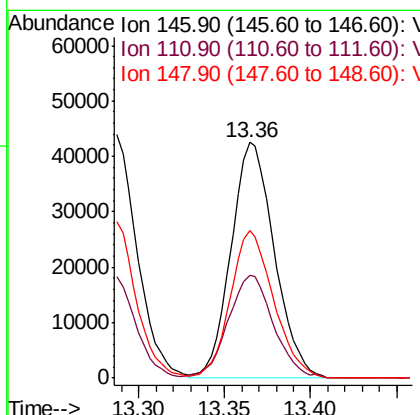
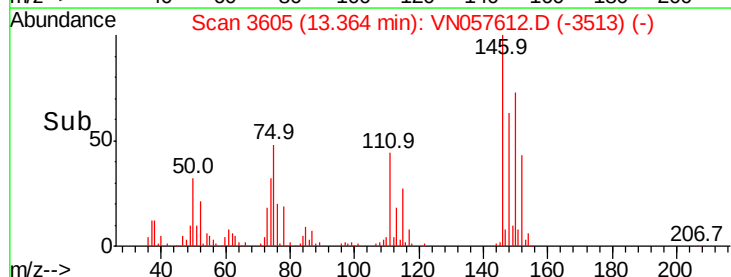
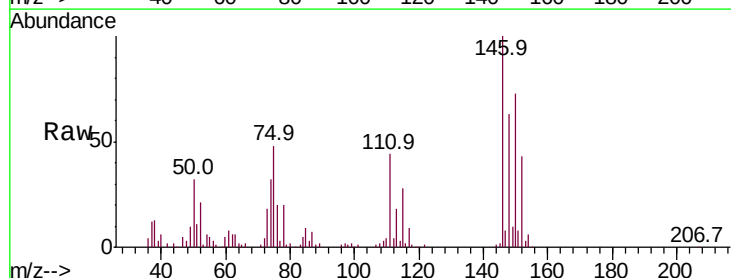
Instrument :
 MSVOA_N
 ClientSampleId :

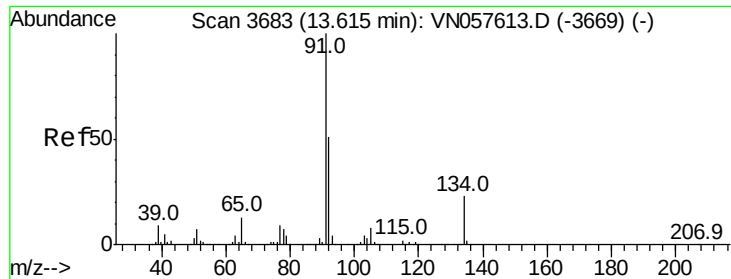
Tot Ion:146 Resp: 78701
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.8 65.3
 148 62.5 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 20.509 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion:146 Resp: 74305
 Ion Ratio Lower Upper
 146 100
 111 45.8 21.6 65.0
 148 62.6 32.2 96.6

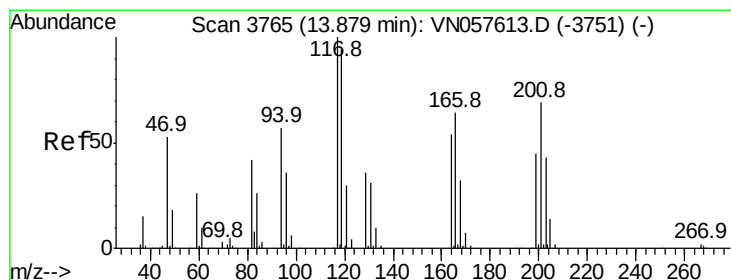
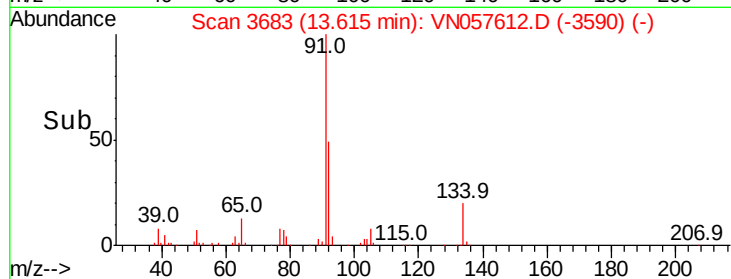
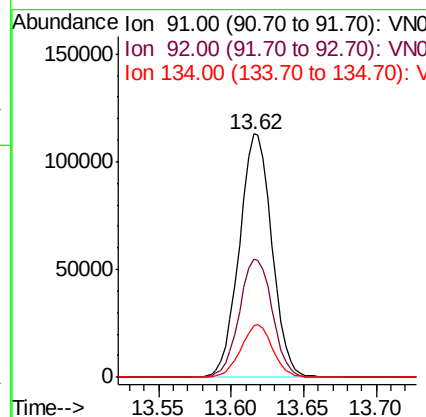
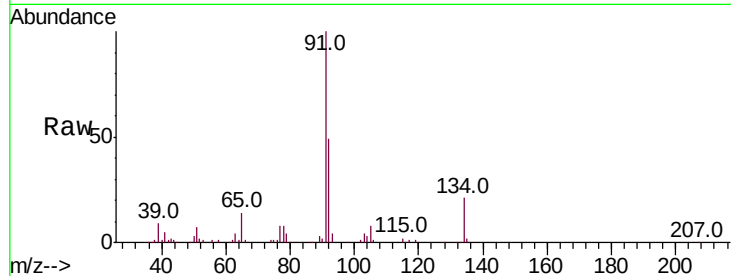




#89
n-Butylbenzene
Concen: 23.148 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

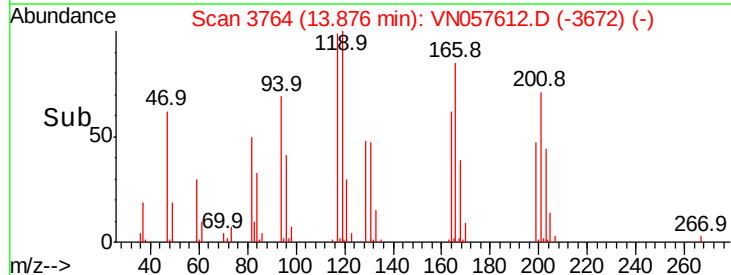
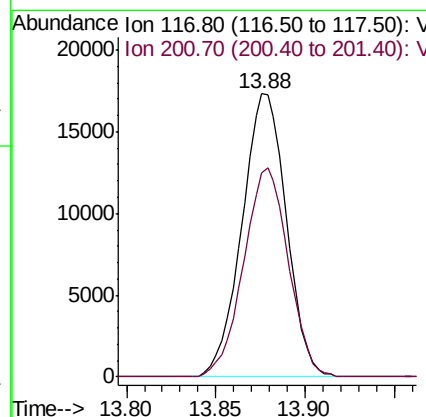
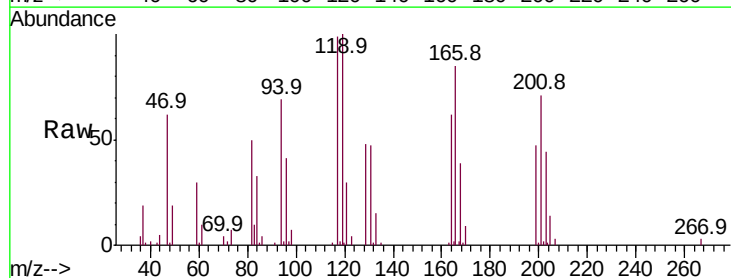
Instrument :
MSVOA_N
ClientSampled :

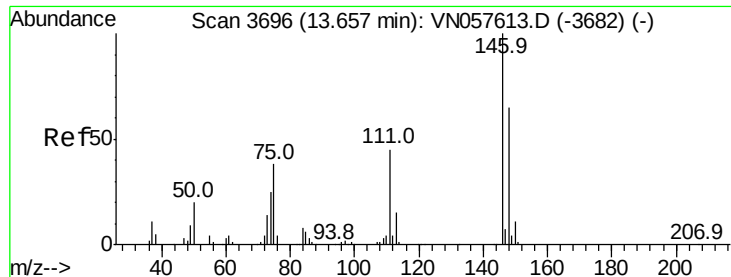
Tot Ion: 91 Resp: 176060
Ion Ratio Lower Upper
91 100
92 49.4 25.4 76.0
134 21.0 11.0 33.0



#90
Hexachloroethane
Concen: 14.953 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057612.D
Acq: 31 Aug 2019 13:35

Tgt Ion: 117 Resp: 30013
Ion Ratio Lower Upper
117 100
201 74.5 34.4 103.2

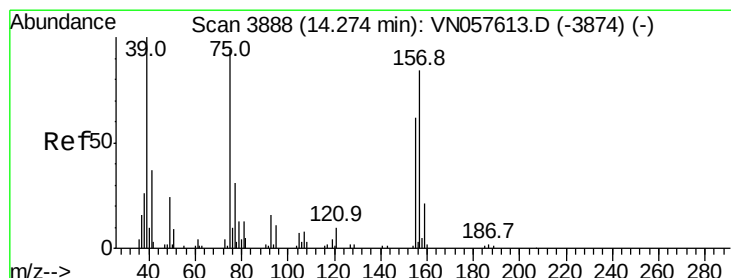
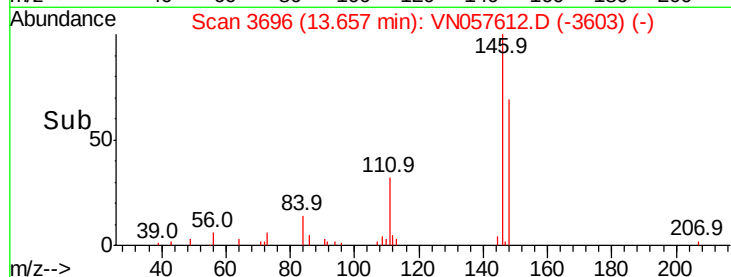
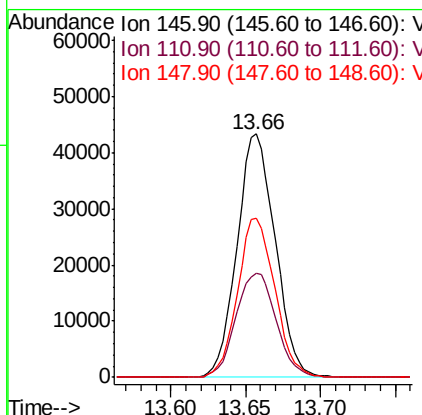
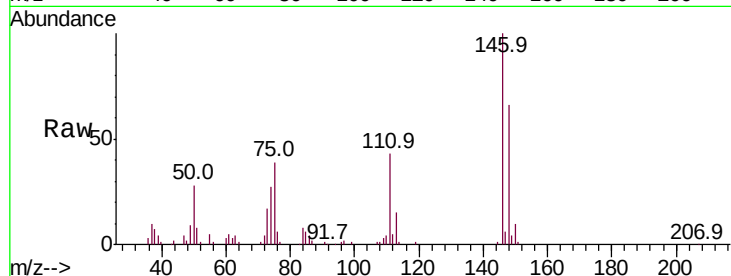




#91
 1,2-Dichlorobenzene
 Concen: 21.616 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

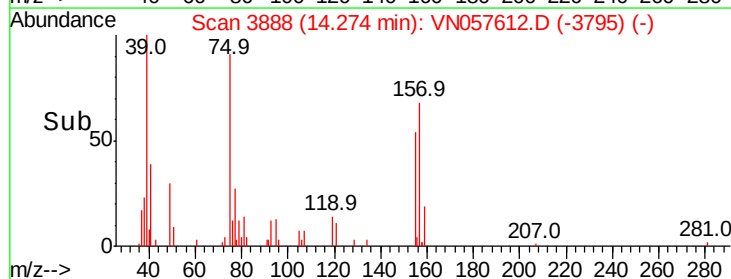
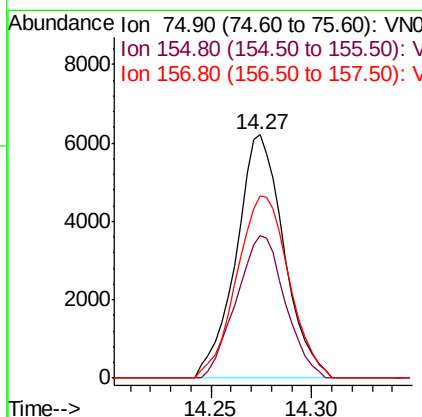
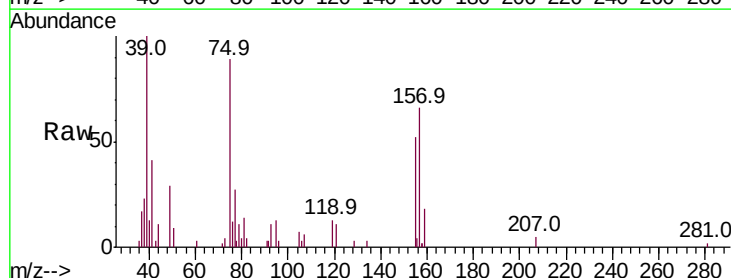
Instrument :
 MSVOA_N
 ClientSampled :

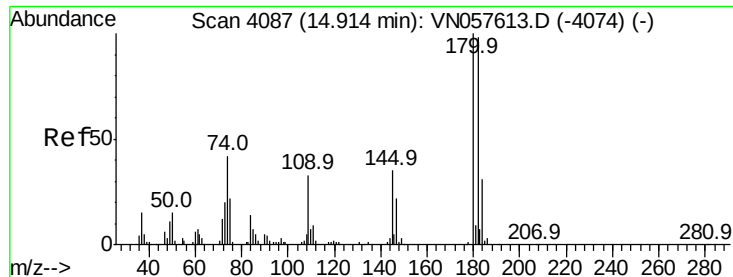
Tot Ion:146 Resp: 76978
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.1 66.5
 148 63.6 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.208 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion: 75 Resp: 10278
 Ion Ratio Lower Upper
 75 100
 155 59.7 30.1 90.5
 157 81.8 41.4 124.4

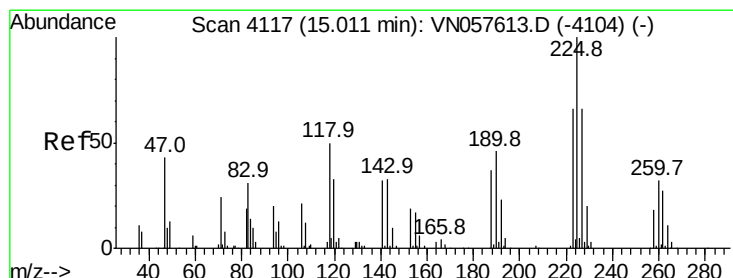
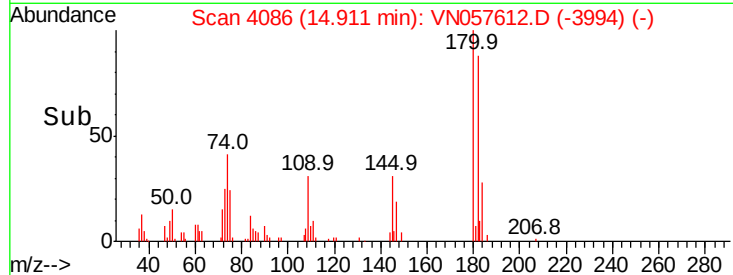
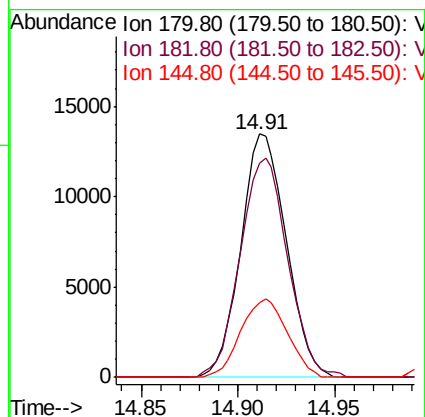
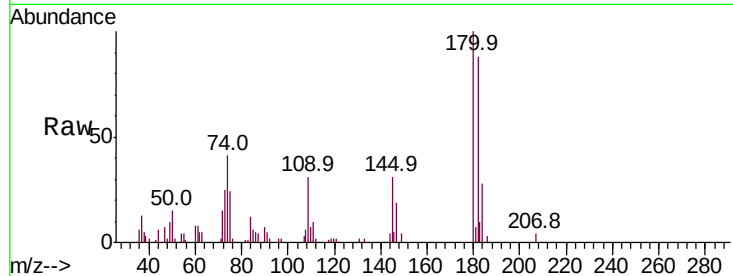




#93
 1,2,4-Trichlorobenzene
 Concen: 16.947 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

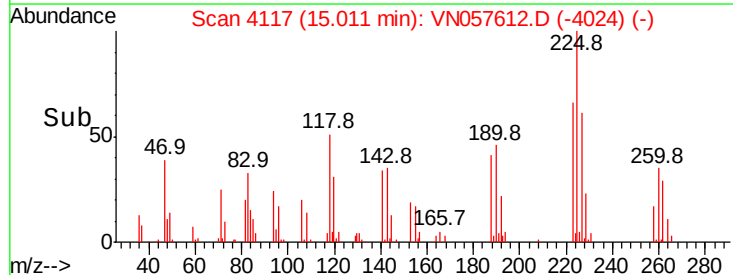
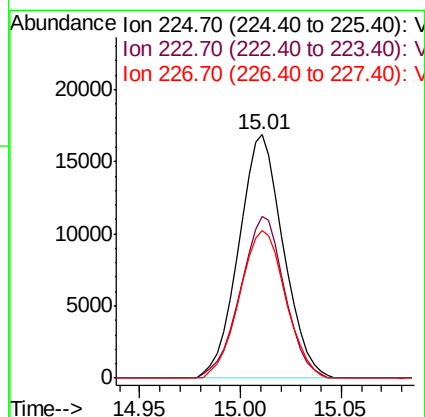
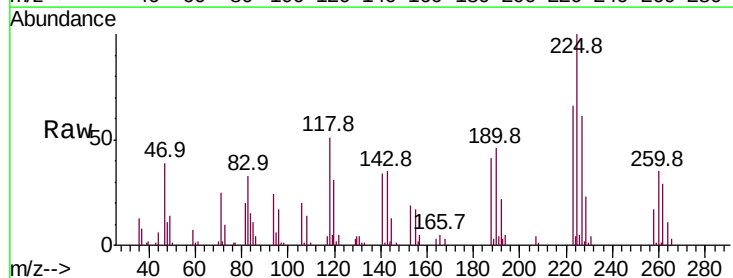
Instrument :
 MSVOA_N
 ClientSampleId :

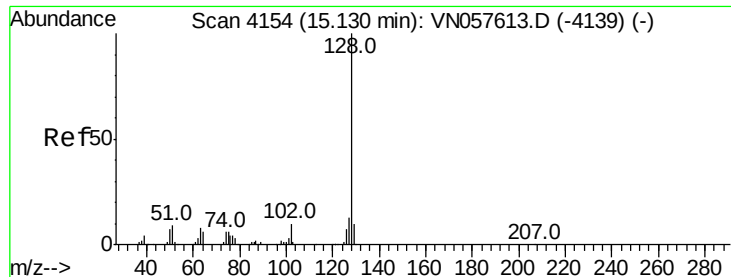
Tot Ion:180 Resp: 22078
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.8 143.3
 145 32.9 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 23.131 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057612.D
 Acq: 31 Aug 2019 13:35

Tgt Ion:225 Resp: 26157
 Ion Ratio Lower Upper
 225 100
 223 65.9 32.3 96.8
 227 62.4 32.4 97.2





#95

Naphthalene

Concen: 16.044 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

Instrument :

MSVOA_N

ClientSampled :

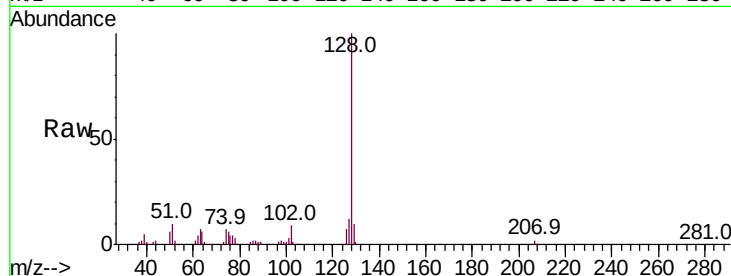
Tot Ion:128 Resp: 68502

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

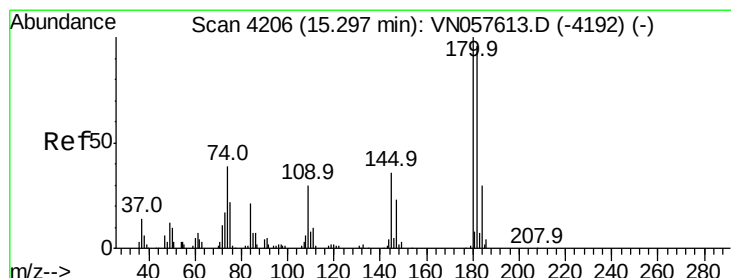
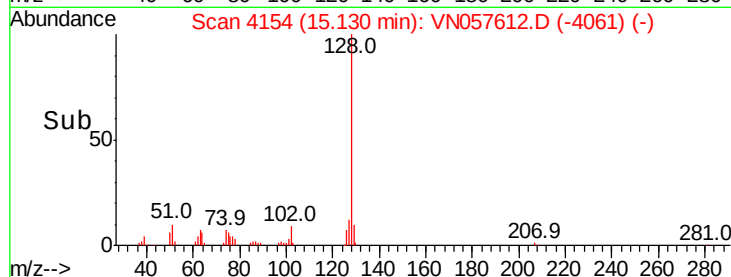
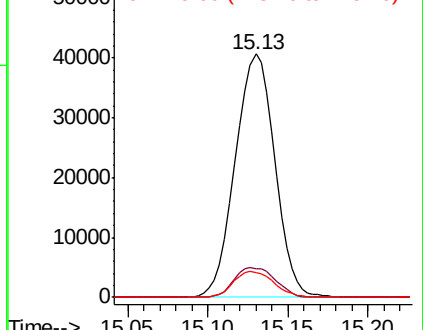
129 10.9 8.6 12.8



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: 15.908 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN057612.D

Acq: 31 Aug 2019 13:35

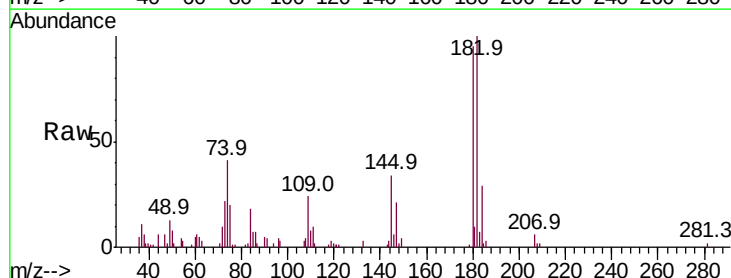
Tgt Ion:180 Resp: 21754

Ion Ratio Lower Upper

180 100

182 99.2 46.3 138.9

145 37.4 17.8 53.3



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

