

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059467.D
 Acq On : 3 Dec 2019 13:41
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 14:51:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	355549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	559254	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	496424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	209116	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	22209	5.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.52%	
35) Dibromofluoromethane	7.57	113	17353	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
50) Toluene-d8	10.08	98	66753	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	21086	4.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	23316	5.704	ug/l	98
3) Chloromethane	2.04	50	27309	5.343	ug/l	96
4) Vinyl Chloride	2.17	62	17579	3.850	ug/l	94
5) Bromomethane	2.54	94	10923	3.998	ug/l	86
6) Chloroethane	2.68	64	9948	3.845	ug/l	98
7) Trichlorofluoromethane	3.00	101	21901	3.979	ug/l	98
8) Diethyl Ether	3.39	74	13189	5.507	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	20603	5.703	ug/l	97
10) Methyl Iodide	3.93	142	21250	4.493	ug/l	97
11) Tert butyl alcohol	4.76	59	23182	31.368	ug/l	97
12) 1,1-Dichloroethene	3.71	96	19691	5.563	ug/l	97
13) Acrolein	3.58	56	18414	26.256	ug/l	93
14) Allyl chloride	4.29	41	37185	5.614	ug/l	98
15) Acrylonitrile	4.96	53	56401	27.372	ug/l	99
16) Acetone	3.79	43	68995	33.838	ug/l	100
17) Carbon Disulfide	4.03	76	63673	5.232	ug/l	97
18) Methyl Acetate	4.30	43	30164	5.449	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	64817	5.618	ug/l	96
20) Methylene Chloride	4.52	84	24980	6.118	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	21494	5.558	ug/l	96
22) Diisopropyl ether	5.92	45	70743	5.723	ug/l	96
23) Vinyl Acetate	5.87	43	278156	27.753	ug/l	100
24) 1,1-Dichloroethane	5.82	63	40723	5.740	ug/l	98
25) 2-Butanone	6.81	43	84354	30.004	ug/l	98
26) 2,2-Dichloropropane	6.80	77	35059	5.799	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	23761	5.600	ug/l	99
28) Bromochloromethane	7.17	49	7210	2.981	ug/l #	94
29) Tetrahydrofuran	7.19	42	54274	29.029	ug/l	99
30) Chloroform	7.35	83	39614	5.556	ug/l	99
31) Cyclohexane	7.63	56	42715	6.008	ug/l #	82
32) 1,1,1-Trichloroethane	7.54	97	32901	5.637	ug/l	96
36) 1,1-Dichloropropene	7.77	75	30344	5.579	ug/l	99
37) Ethyl Acetate	6.91	43	32613	5.562	ug/l	99
38) Carbon Tetrachloride	7.75	117	28797	5.582	ug/l	99

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 Acq On : 3 Dec 2019 13:41
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 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 14:51:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	35476	5.448	ug/l	97
40) Benzene	8.02	78	90568	5.600	ug/l	99
41) Methacrylonitrile	7.15	41	11528	4.235	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	31081	6.015	ug/l	99
43) Isopropyl Acetate	8.15	43	48658	5.488	ug/l	93
44) Trichloroethene	8.82	130	22957	5.578	ug/l	95
45) 1,2-Dichloropropane	9.10	63	24494	5.789	ug/l	98
46) Dibromomethane	9.20	93	14709	5.624	ug/l	98
47) Bromodichloromethane	9.39	83	29356	5.548	ug/l #	96
48) Methyl methacrylate	9.19	41	21620	5.482	ug/l	95
49) 1,4-Dioxane	9.19	88	7272	129.982	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	147394	28.444	ug/l	96
52) Toluene	10.15	92	53256	5.506	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	32970	5.417	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	35537	5.429	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	21528	5.663	ug/l	99
56) Ethyl methacrylate	10.42	69	27237	4.906	ug/l	93
57) 1,3-Dichloropropane	10.70	76	36410	5.562	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	37972	23.724	ug/l	99
59) 2-Hexanone	10.75	43	106598	27.671	ug/l	98
60) Dibromochloromethane	10.90	129	21794	5.513	ug/l	97
61) 1,2-Dibromoethane	11.00	107	20789	5.337	ug/l	95
64) Tetrachloroethene	10.63	164	22557	6.062	ug/l	98
65) Chlorobenzene	11.43	112	55727	5.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	20458	5.545	ug/l	98
67) Ethyl Benzene	11.51	91	97968	5.475	ug/l	98
68) m/p-Xylenes	11.62	106	69481	10.375	ug/l	96
69) o-Xylene	11.95	106	33412	5.224	ug/l	98
70) Styrene	11.96	104	48964	4.882	ug/l	98
71) Bromoform	12.13	173	14413	5.105	ug/l #	96
73) Isopropylbenzene	12.25	105	88160	5.621	ug/l	99
74) N-amyl acetate	12.07	43	31978	5.339	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	28893	5.613	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	39224	8.071	ug/l #	100
77) Bromobenzene	12.53	156	22314	5.813	ug/l	100
78) n-propylbenzene	12.59	91	101966	5.627	ug/l	98
79) 2-Chlorotoluene	12.67	91	63015	5.822	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	72810	5.522	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9454	5.022	ug/l	95
82) 4-Chlorotoluene	12.78	91	62760	5.629	ug/l	99
83) tert-Butylbenzene	12.99	119	62821	5.532	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	69778	5.400	ug/l	100
85) sec-Butylbenzene	13.17	105	84127	5.586	ug/l	99
86) p-Isopropyltoluene	13.29	119	72562	5.335	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	37595	5.530	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	37897	5.544	ug/l	95
89) n-Butylbenzene	13.62	91	60910	5.115	ug/l	98
90) Hexachloroethane	13.88	117	14519	5.573	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	36743	5.515	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	6821	5.834	ug/l	83

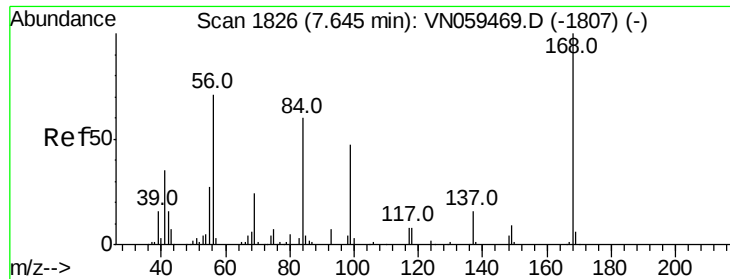
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
Data File : VN059467.D
Acq On : 3 Dec 2019 13:41
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 03 14:51:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 14:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	19452	4.742	ug/l	99
94) Hexachlorobutadiene	15.01	225	14961	5.894	ug/l	98
95) Naphthalene	15.13	128	49747	4.257	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	20832	4.773	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

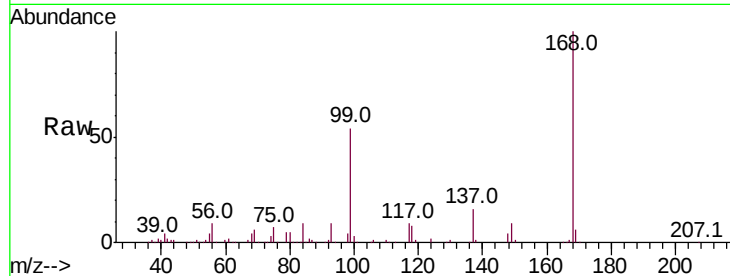
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 355549

Ion Ratio Lower Upper

168 100

99 54.2 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

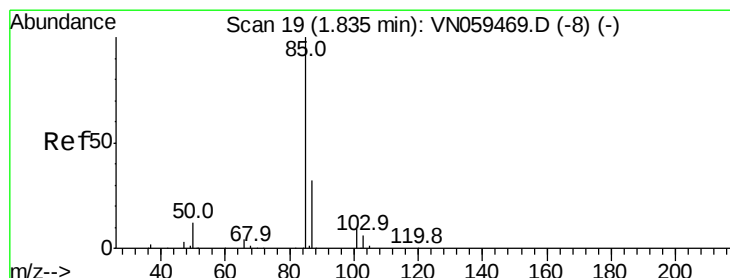
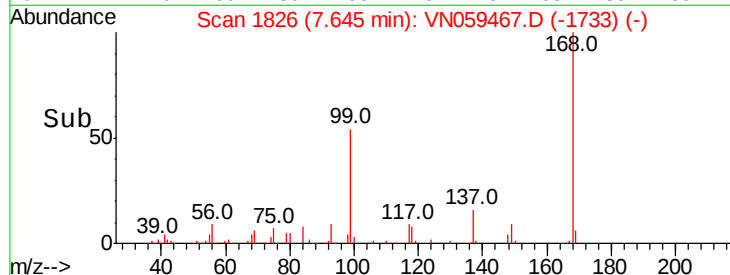
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.704 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059467.D

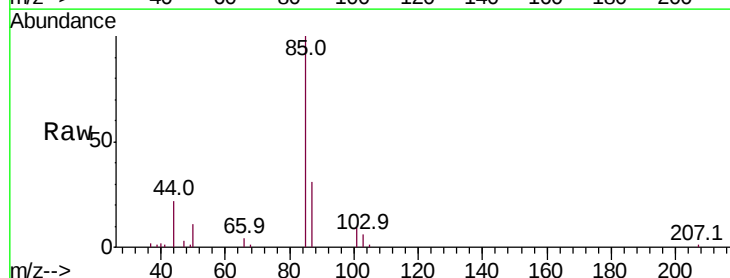
Acq: 3 Dec 2019 13:41

Tgt Ion: 85 Resp: 23316

Ion Ratio Lower Upper

85 100

87 31.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.83

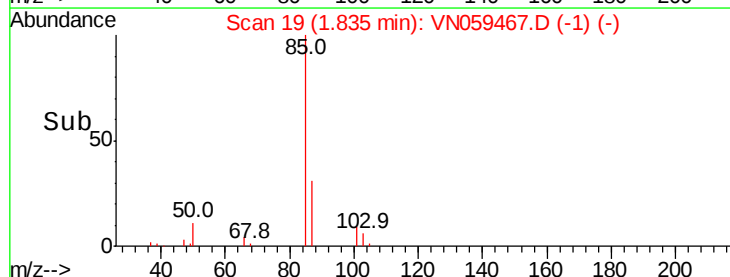
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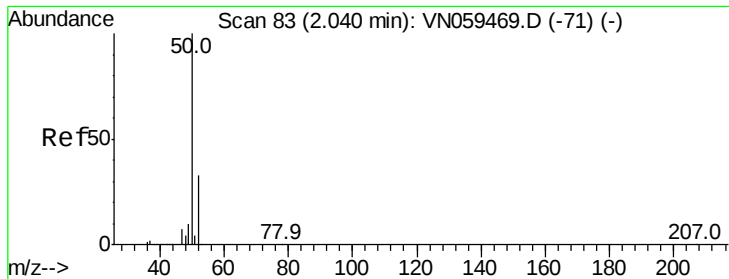
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.343 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

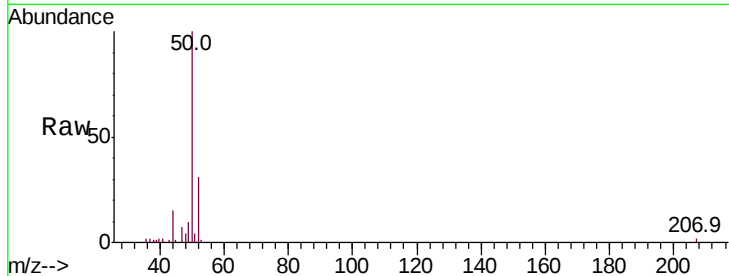
ClientSampled :

Tot Ion: 50 Resp: 27309

Ion Ratio Lower Upper

50 100

52 31.0 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.04

20000

15000

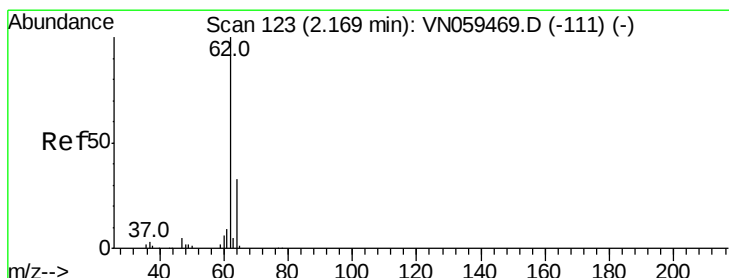
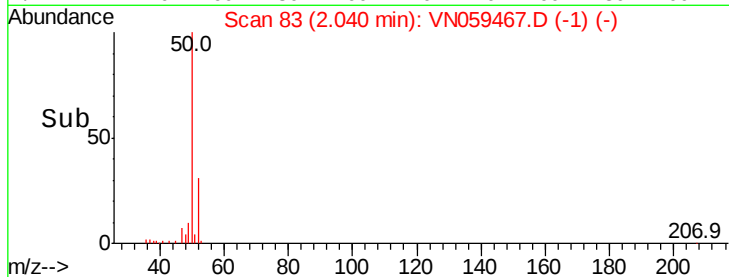
10000

5000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 3.850 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059467.D

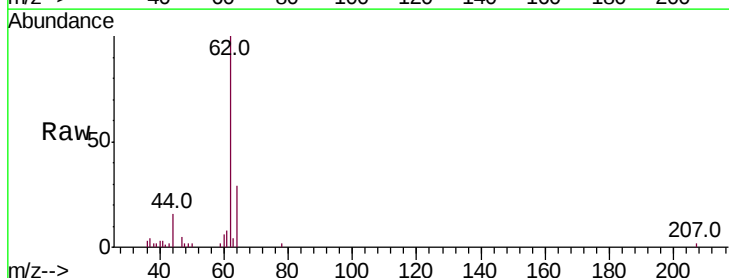
Acq: 3 Dec 2019 13:41

Tgt Ion: 62 Resp: 17579

Ion Ratio Lower Upper

62 100

64 29.1 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.17

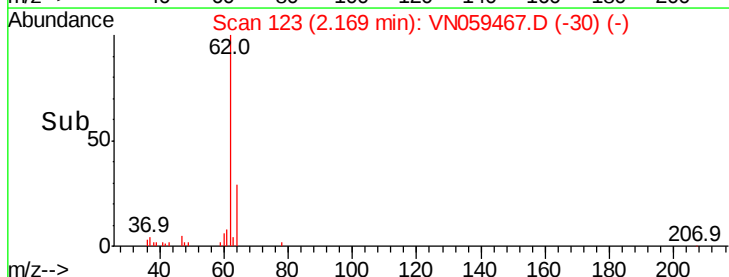
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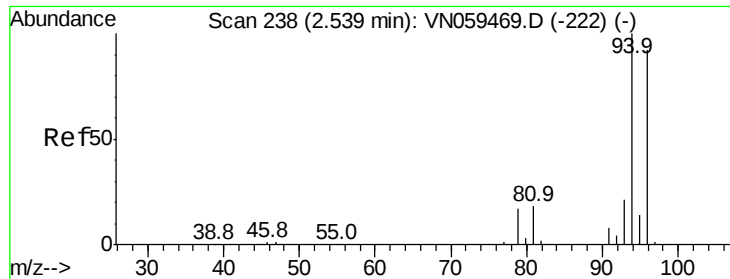
5000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 3.998 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

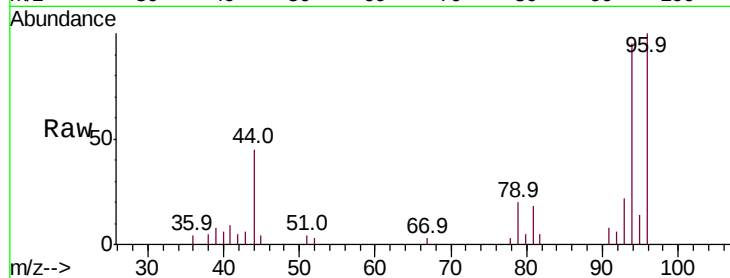
ClientSampleId :

Tot Ion: 94 Resp: 10923

Ion Ratio Lower Upper

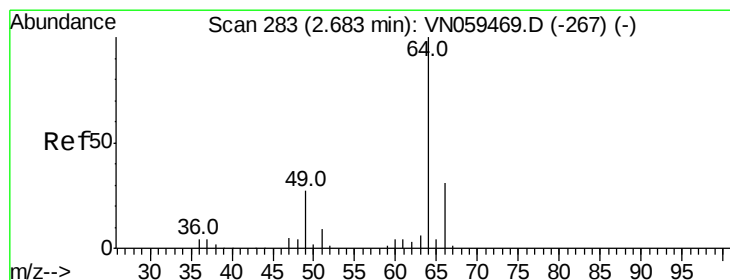
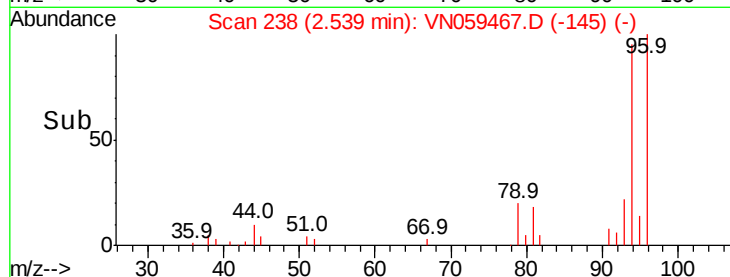
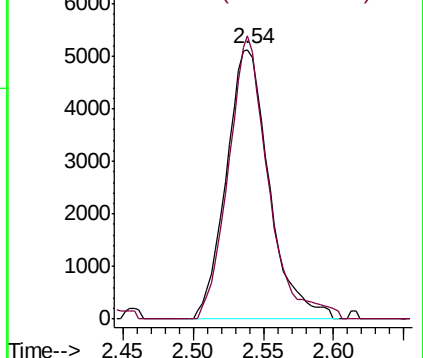
94 100

96 104.9 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 3.845 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059467.D

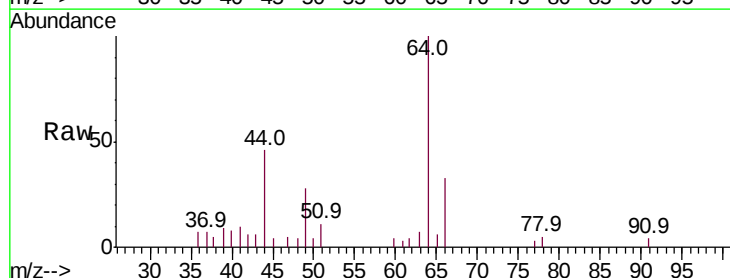
Acq: 3 Dec 2019 13:41

Tgt Ion: 64 Resp: 9948

Ion Ratio Lower Upper

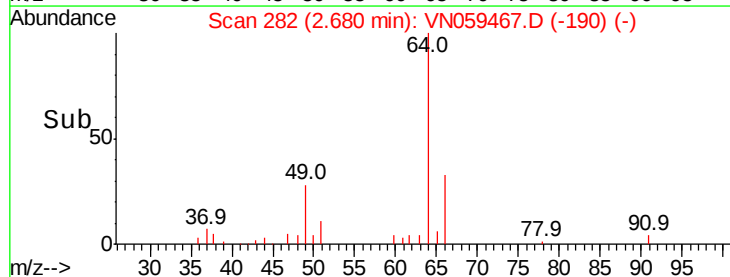
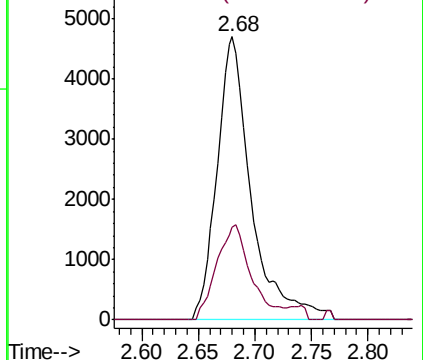
64 100

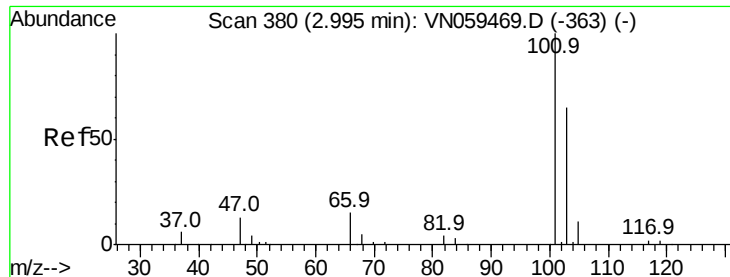
66 32.7 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



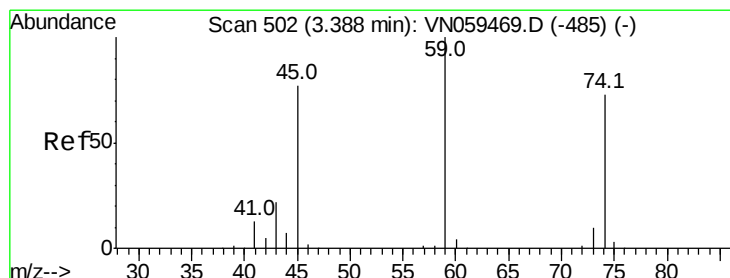
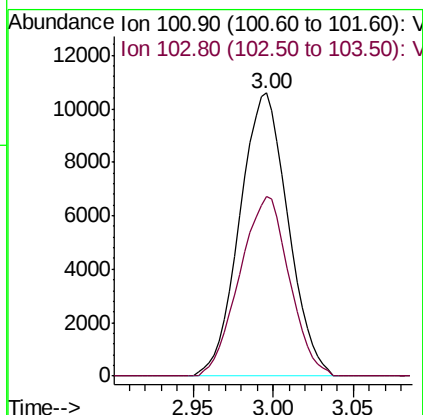
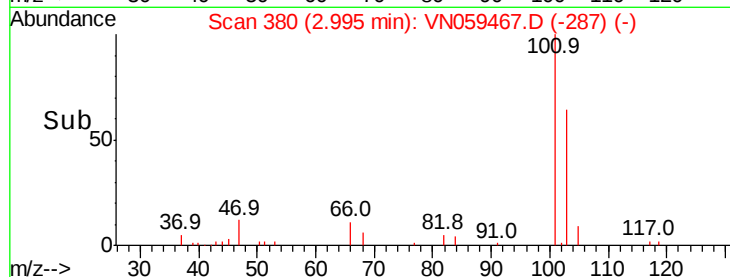
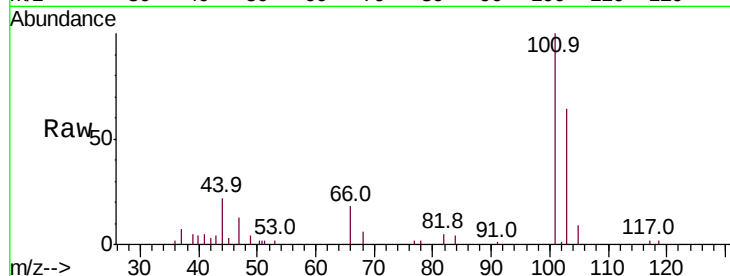


#7

Trichlorofluoromethane
 Concen: 3.979 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Instrument :
 MSVOA_N
 ClientSampled :

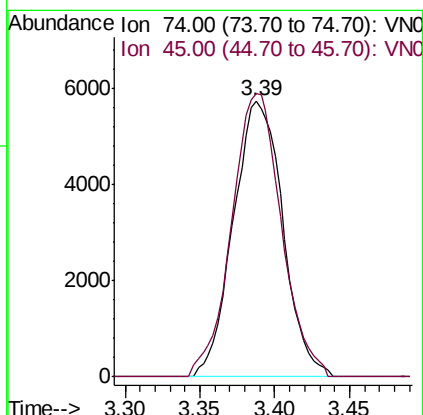
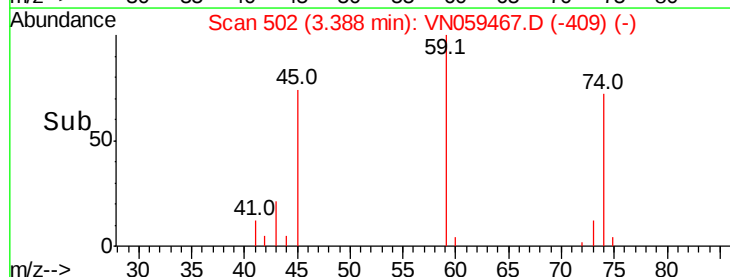
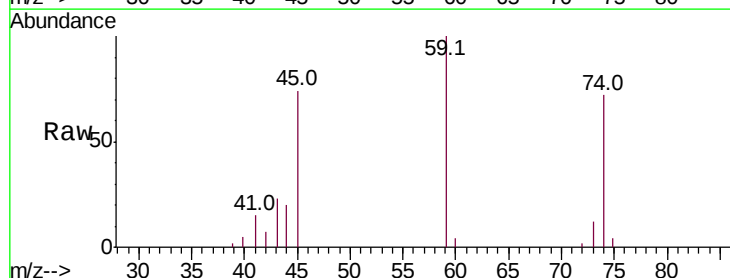
Tot Ion:101 Resp: 21901
 Ion Ratio Lower Upper
 101 100
 103 63.7 52.4 78.6

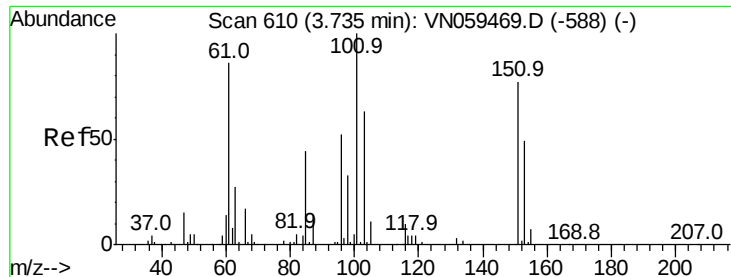


#8

Diethyl Ether
 Concen: 5.507 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion: 74 Resp: 13189
 Ion Ratio Lower Upper
 74 100
 45 103.5 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.703 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.01 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

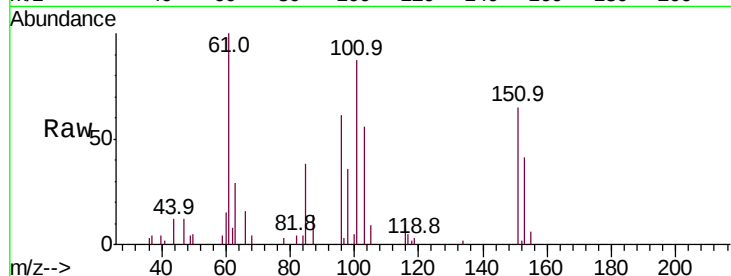
Tot Ion:101 Resp: 20603

Ion Ratio Lower Upper

101 100

85 45.6 35.2 52.8

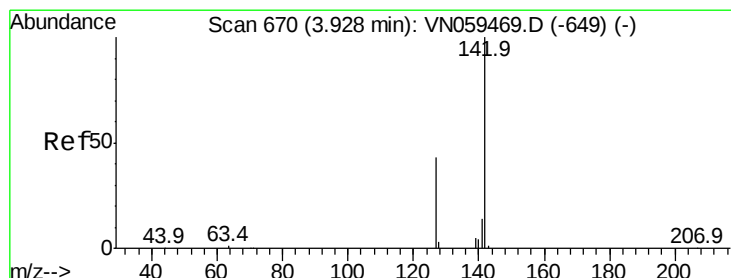
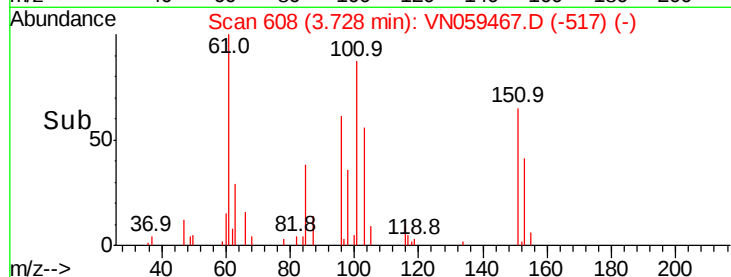
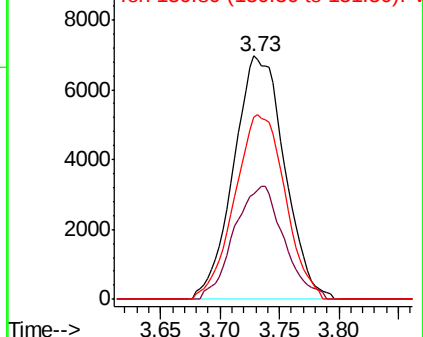
151 75.3 62.4 93.6



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: 4.493 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

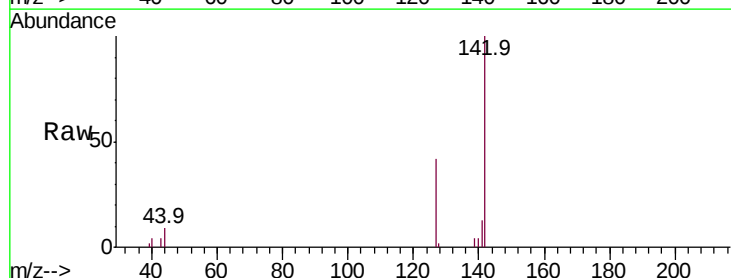
Tgt Ion:142 Resp: 21250

Ion Ratio Lower Upper

142 100

127 41.8 34.6 52.0

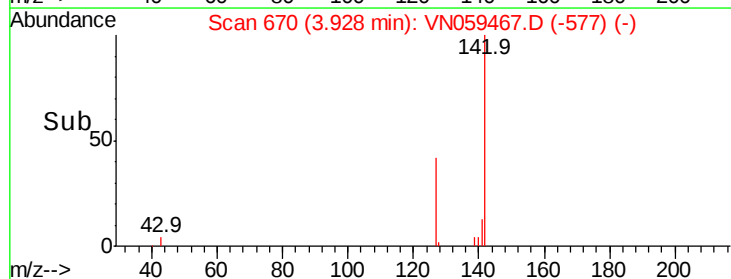
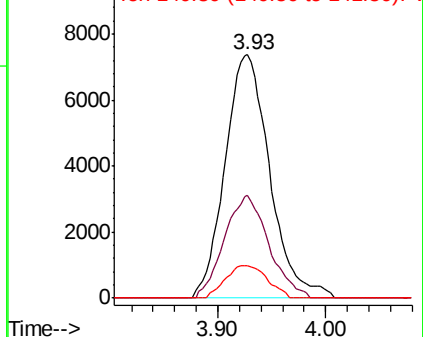
141 12.5 11.4 17.0

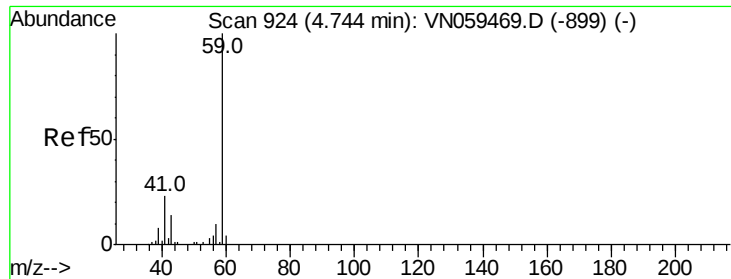


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

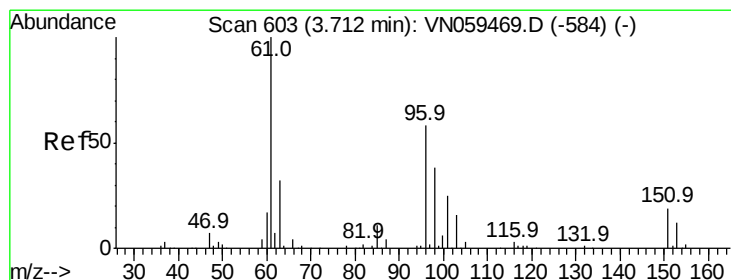
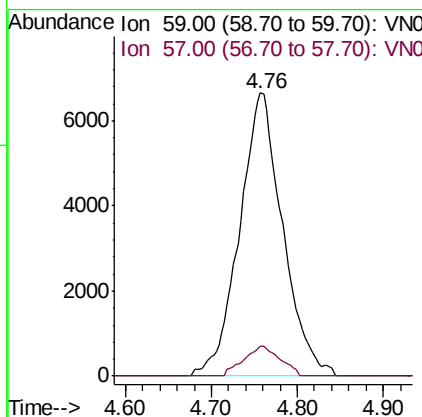
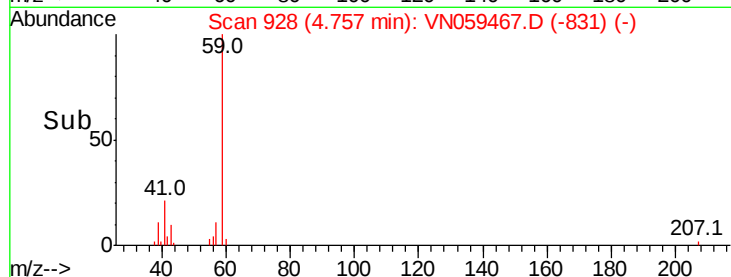
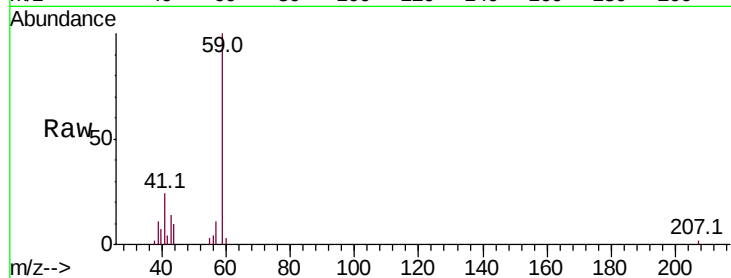




#11
Tert butyl alcohol
Concen: 31.368 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.01 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

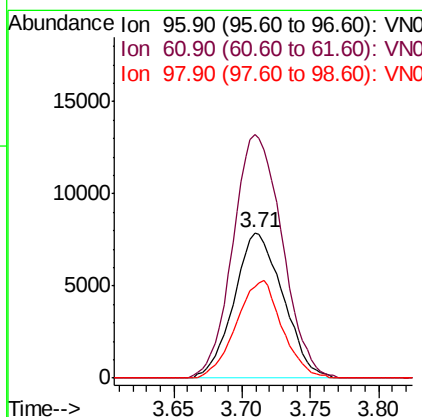
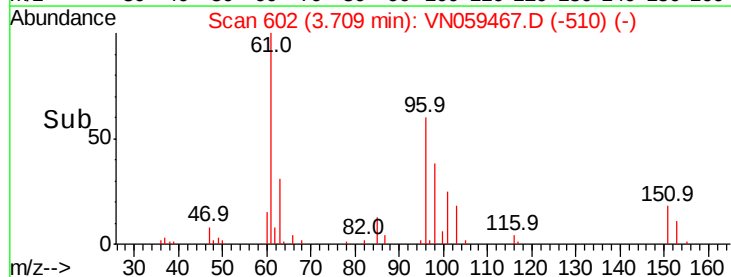
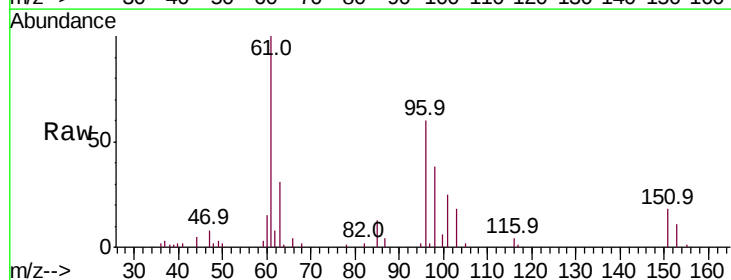
Instrument :
MSVOA_N
ClientSampleId :

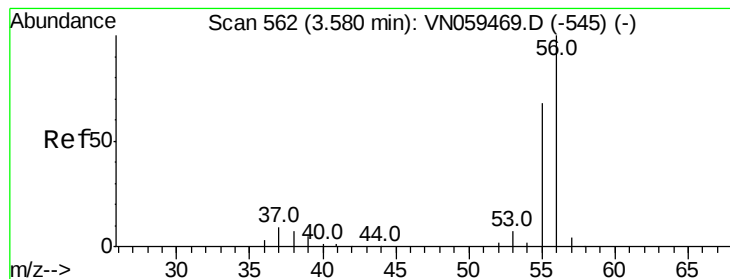
Tot Ion: 59 Resp: 23182
Ion Ratio Lower Upper
59 100
57 9.0 8.1 12.1



#12
1,1-Dichloroethene
Concen: 5.563 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 96 Resp: 19691
Ion Ratio Lower Upper
96 100
61 167.8 137.1 205.7
98 63.3 52.4 78.6





#13

Acrolein

Concen: 26.256 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

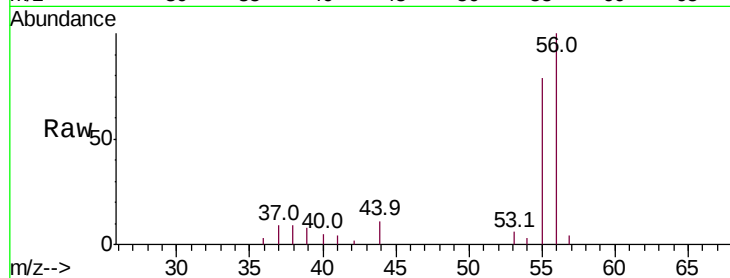
ClientSampleId :

Tot Ion: 56 Resp: 18414

Ion Ratio Lower Upper

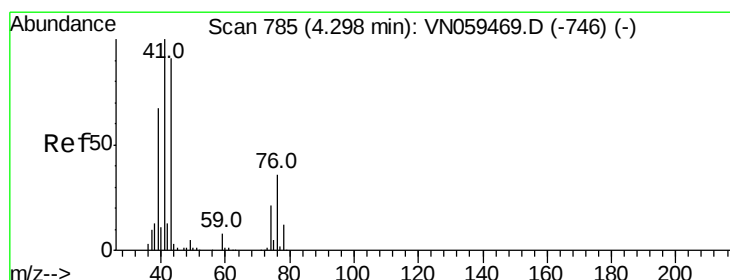
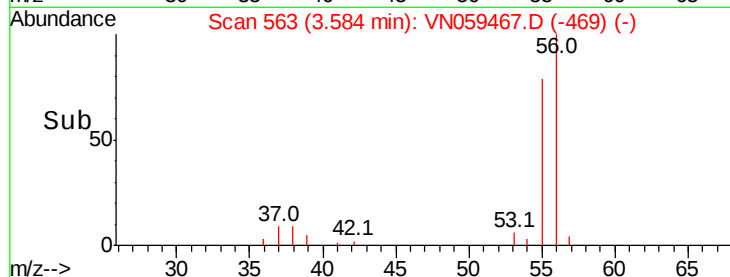
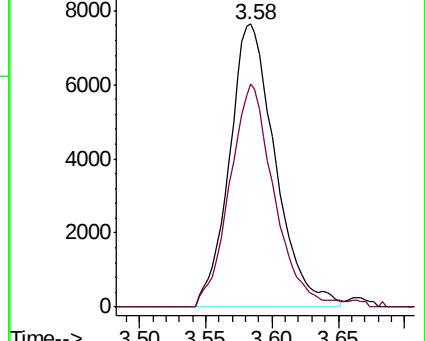
56 100

55 76.6 56.5 84.7



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 5.614 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

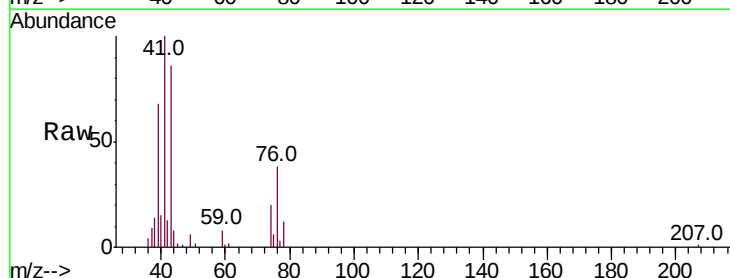
Tgt Ion: 41 Resp: 37185

Ion Ratio Lower Upper

41 100

39 63.5 49.3 73.9

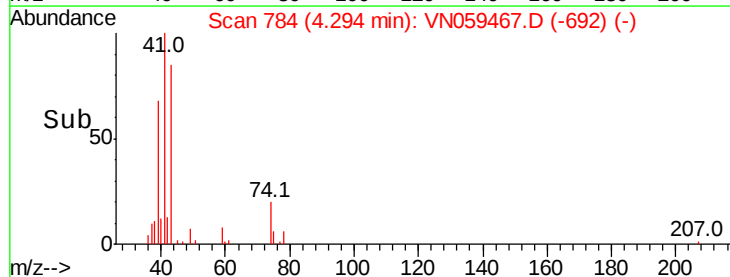
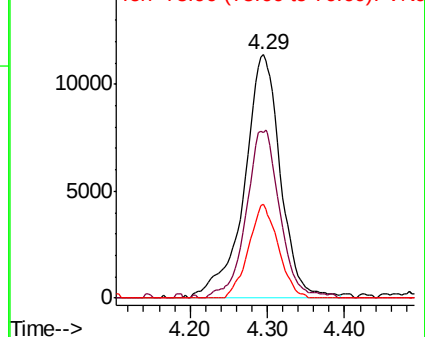
76 31.6 25.6 38.4

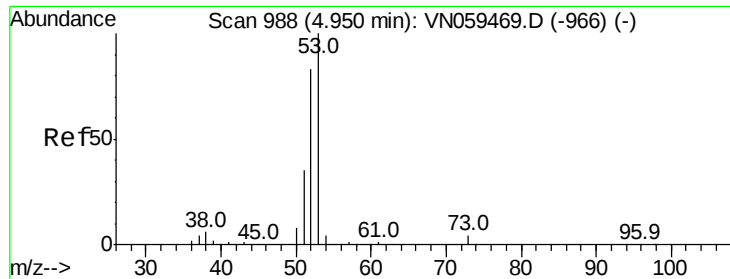


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 27.372 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

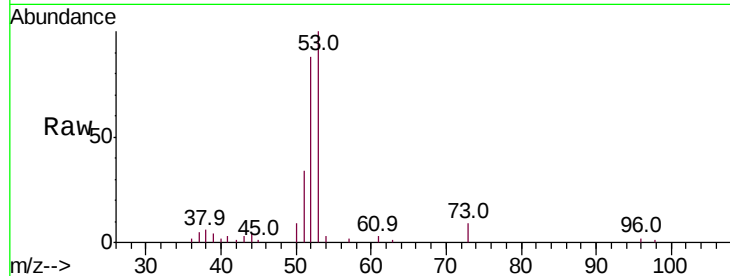
Tot Ion: 53 Resp: 56401

Ion Ratio Lower Upper

53 100

52 82.2 65.5 98.3

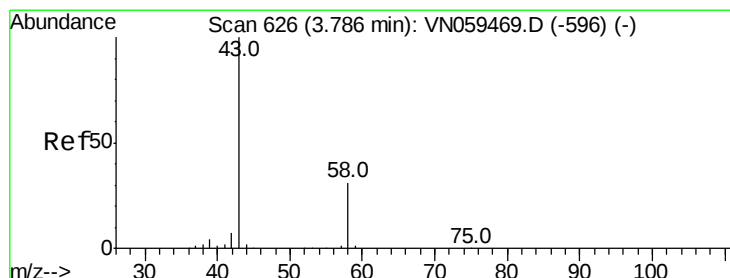
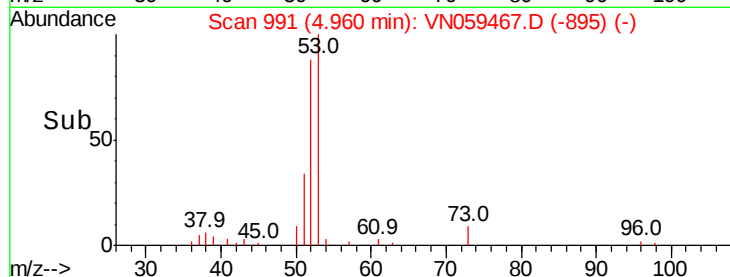
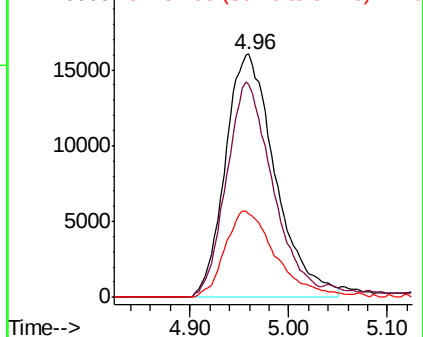
51 36.2 28.5 42.7



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: 33.838 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059467.D

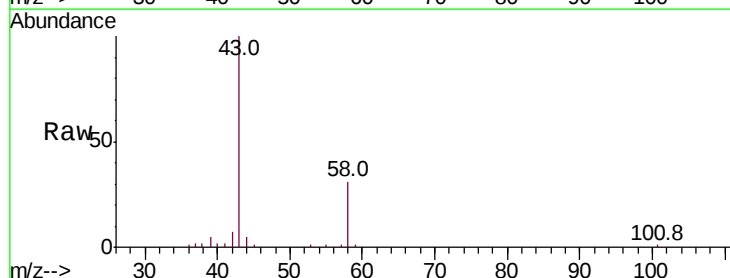
Acq: 3 Dec 2019 13:41

Tgt Ion: 43 Resp: 68995

Ion Ratio Lower Upper

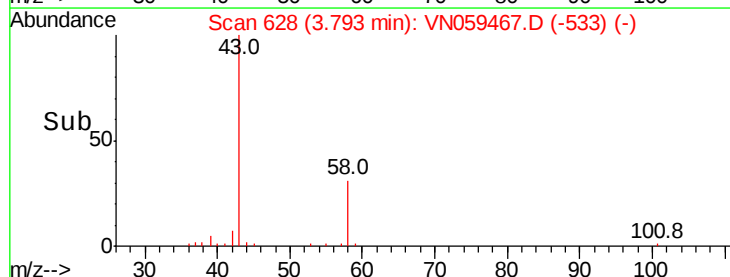
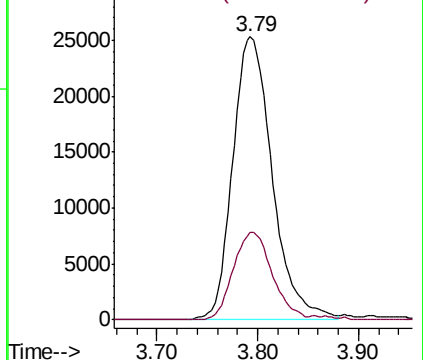
43 100

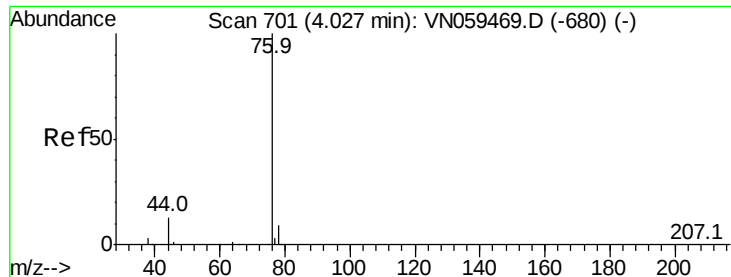
58 31.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

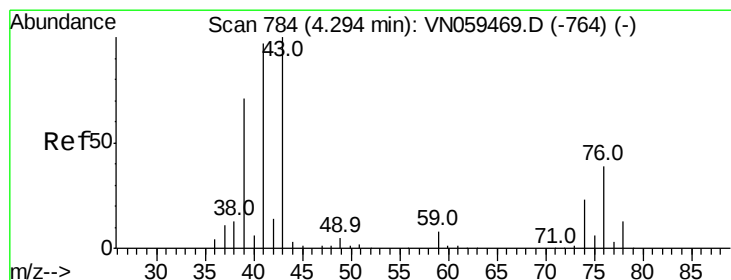
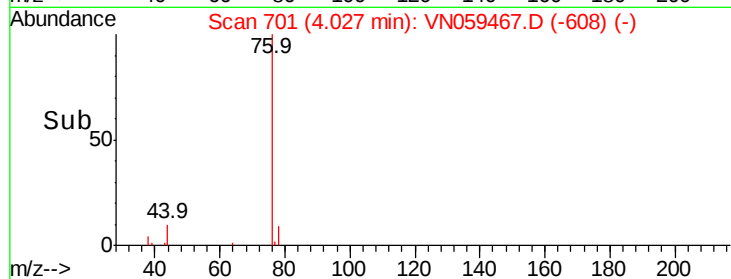
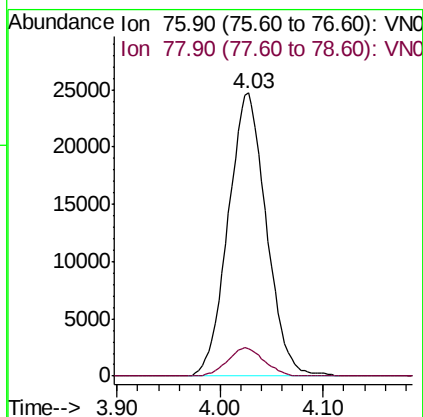
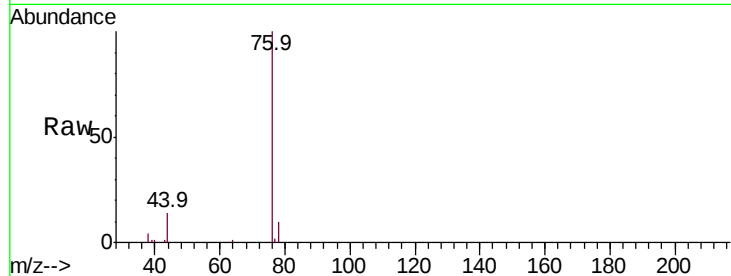




#17
Carbon Disulfide
Concen: 5.232 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

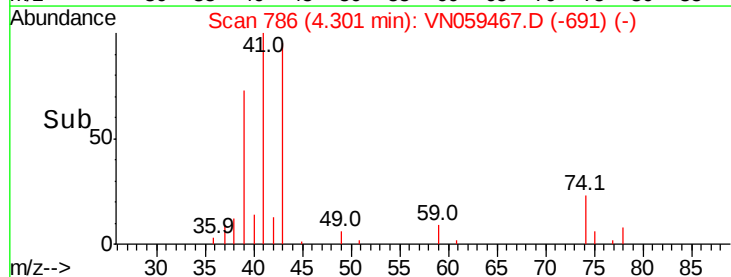
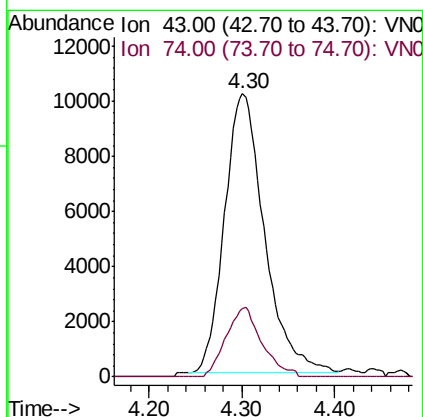
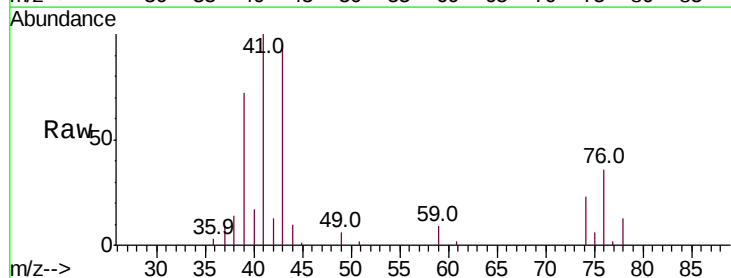
Instrument :
MSVOA_N
ClientSampled :

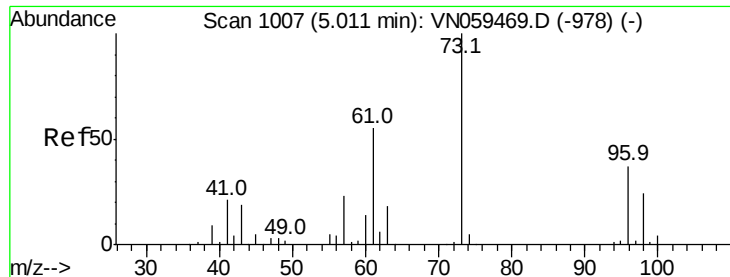
Tot Ion: 76 Resp: 63673
Ion Ratio Lower Upper
76 100
78 9.8 7.0 10.6



#18
Methyl Acetate
Concen: 5.449 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 43 Resp: 30164
Ion Ratio Lower Upper
43 100
74 22.5 18.3 27.5

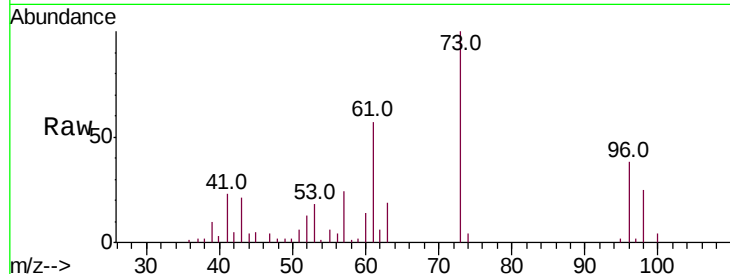




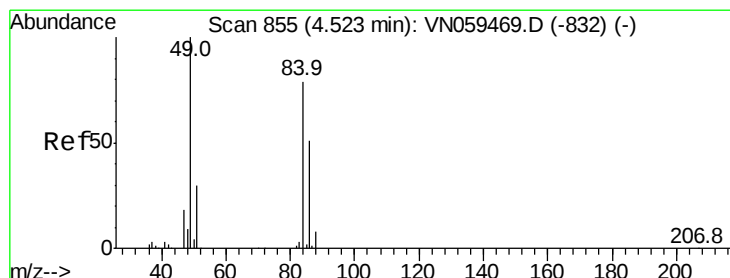
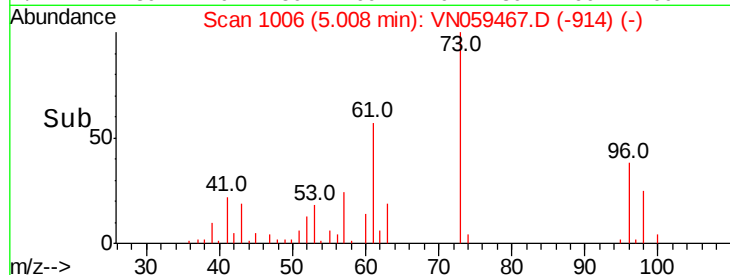
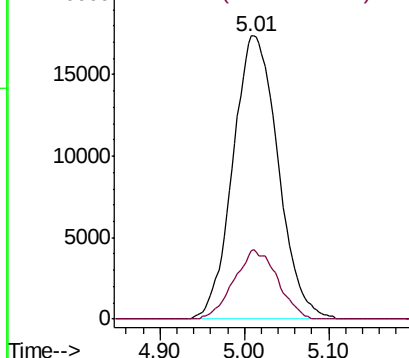
#19
Methvl tert-butvl Ether
Concen: 5.618 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 64817
Ion Ratio Lower Upper
73 100
57 24.2 18.0 27.0

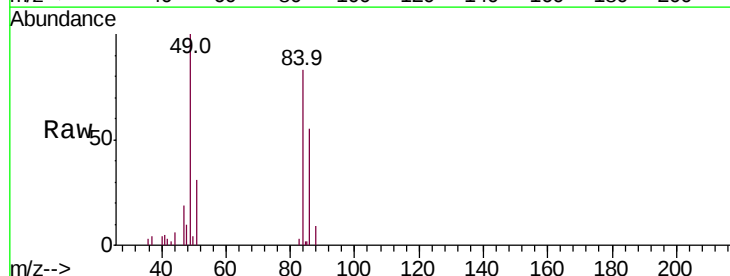


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

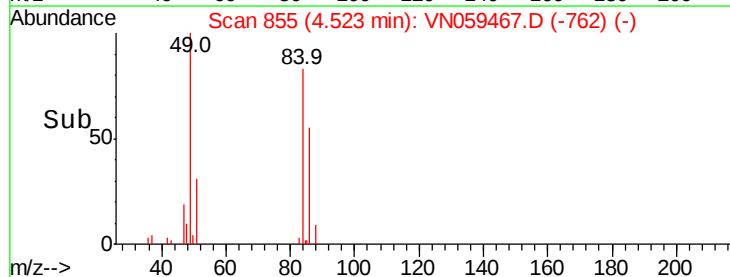
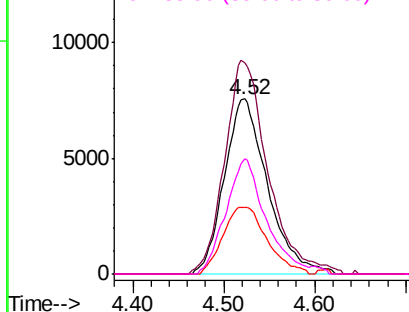


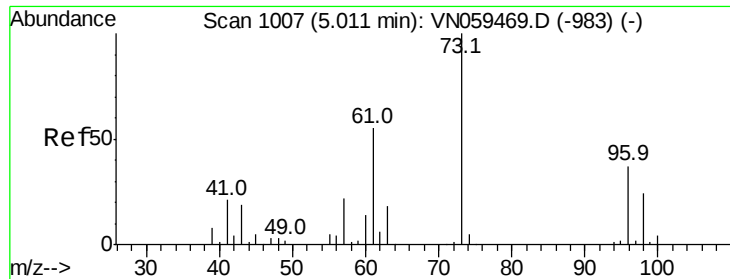
#20
Methylene Chloride
Concen: 6.118 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 84 Resp: 24980
Ion Ratio Lower Upper
84 100
49 121.1 101.1 151.7
51 38.1 30.7 46.1
86 66.2 51.4 77.0



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0



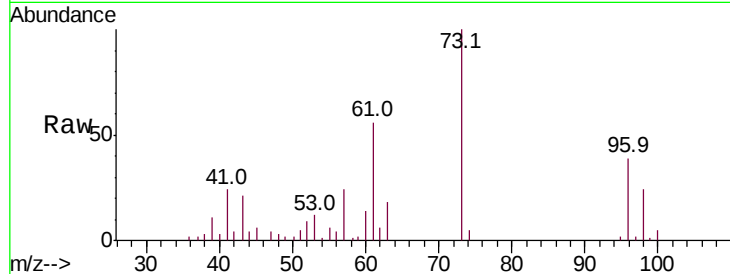


#21

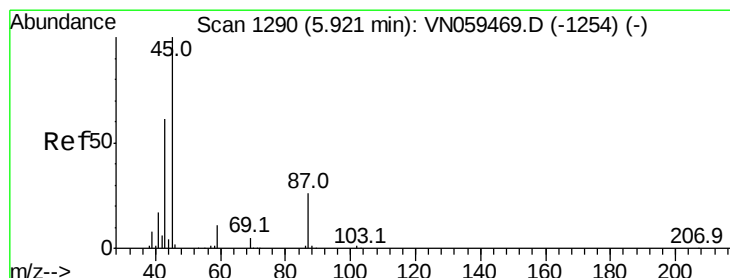
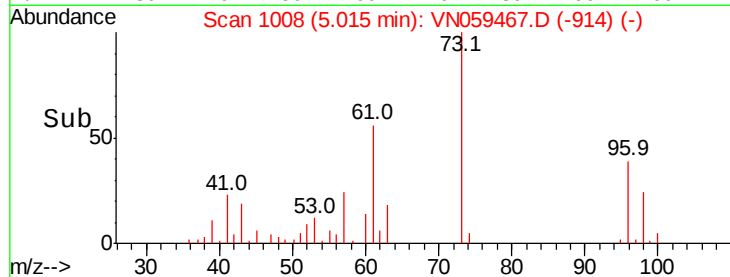
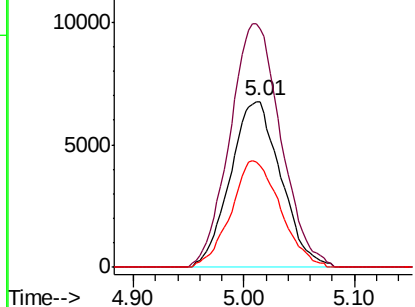
trans-1,2-Dichloroethene
Concen: 5.558 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 21494
Ion Ratio Lower Upper
96 100
61 143.5 118.9 178.3
98 61.2 51.6 77.4



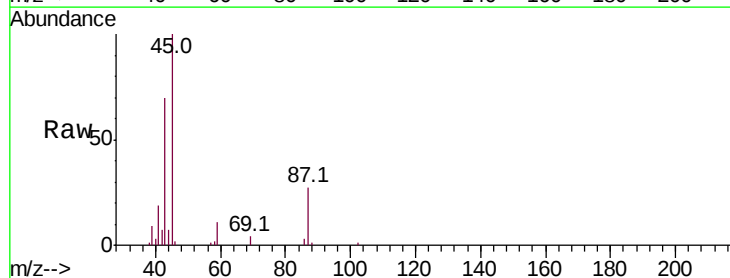
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



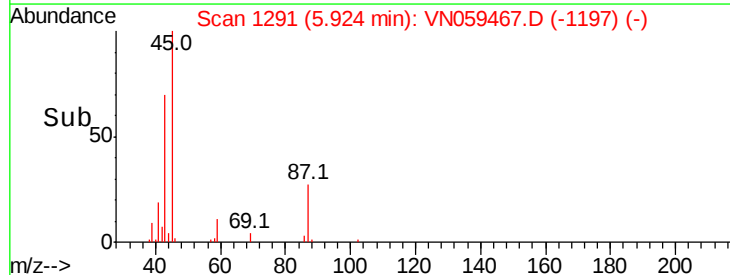
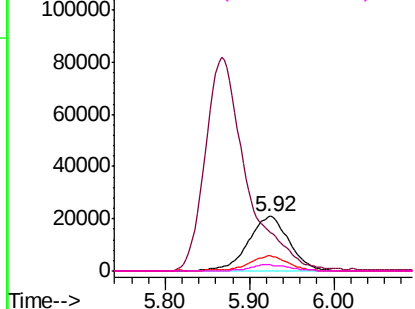
#22

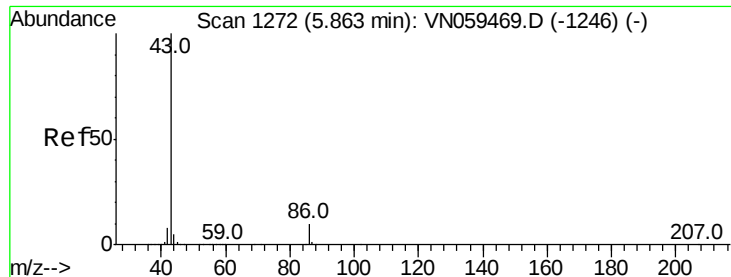
Diisopropyl ether
Concen: 5.723 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 45 Resp: 70743
Ion Ratio Lower Upper
45 100
43 66.1 49.1 73.7
87 27.4 21.6 32.4
59 10.7 9.0 13.4



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





#23

Vinyl Acetate

Concen: 27.753 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

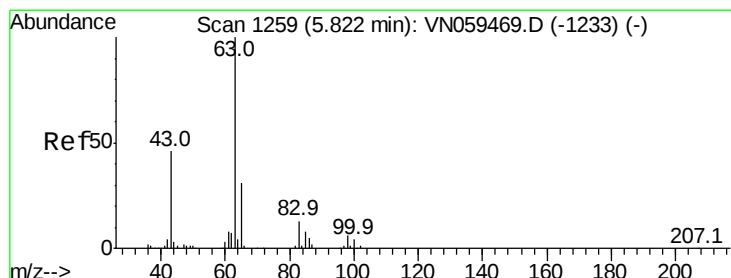
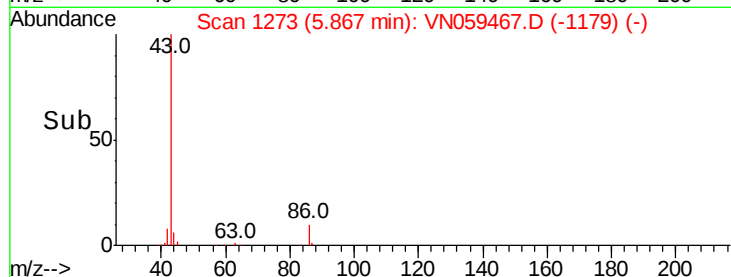
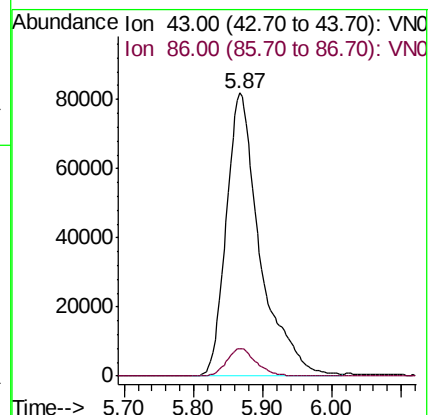
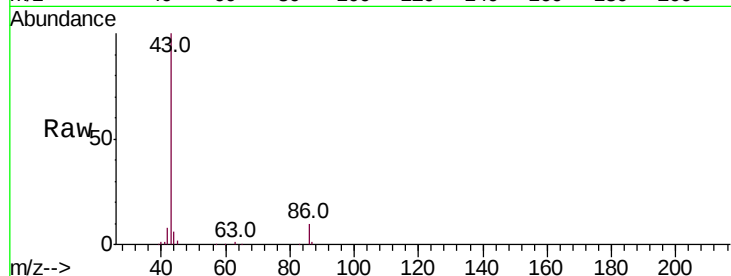
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 278156

Ion Ratio Lower Upper

43 100

86 9.9 8.0 12.0



#24

1,1-Dichloroethane

Concen: 5.740 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

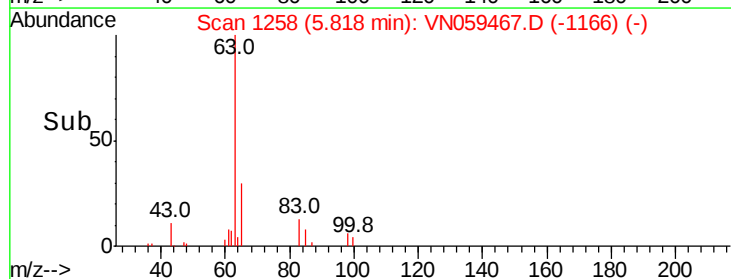
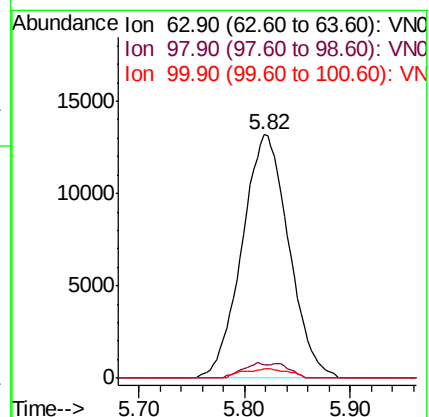
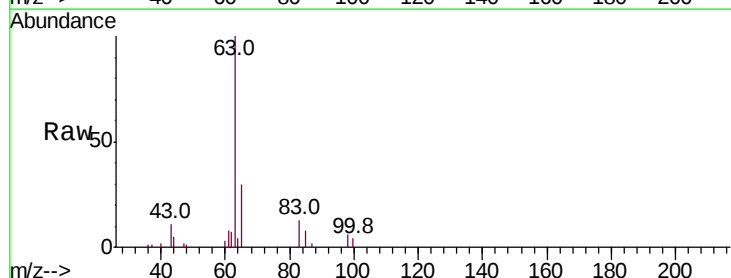
Tgt Ion: 63 Resp: 40723

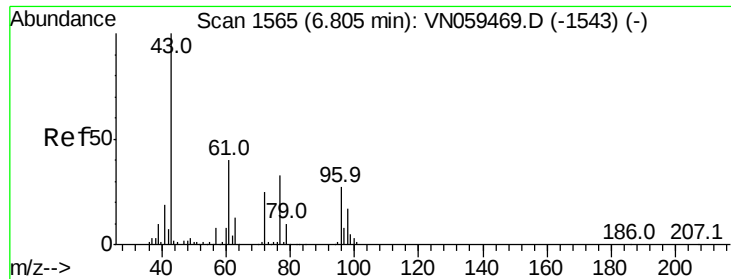
Ion Ratio Lower Upper

63 100

98 5.6 3.2 9.6

100 3.7 2.0 6.0





#25

2-Butanone

Concen: 30.004 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

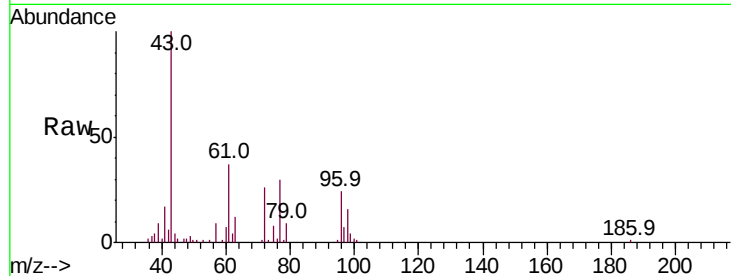
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 84354

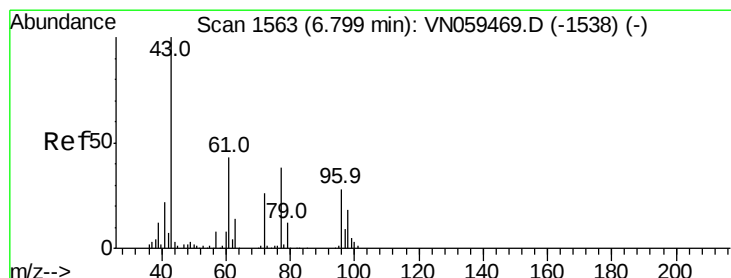
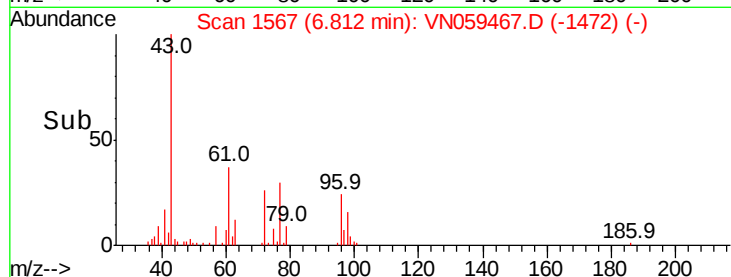
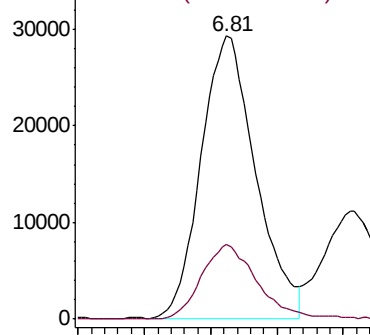
Ion Ratio Lower Upper

43 100

72 26.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 5.799 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059467.D

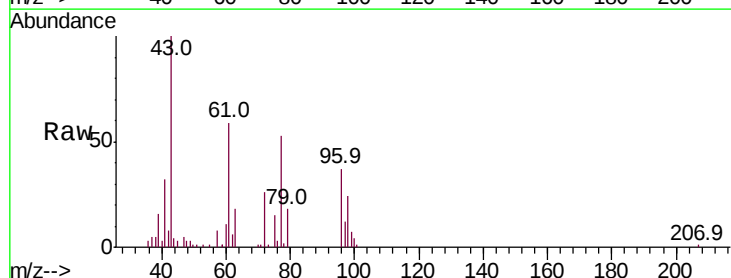
Acq: 3 Dec 2019 13:41

Tgt Ion: 77 Resp: 35059

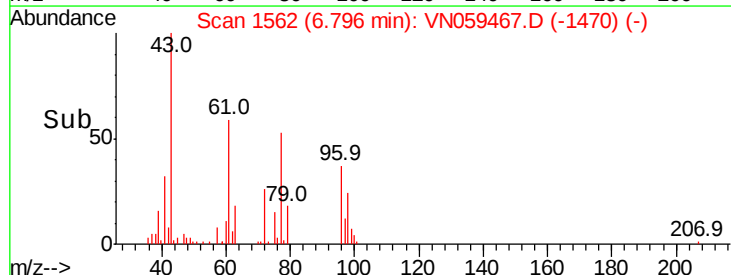
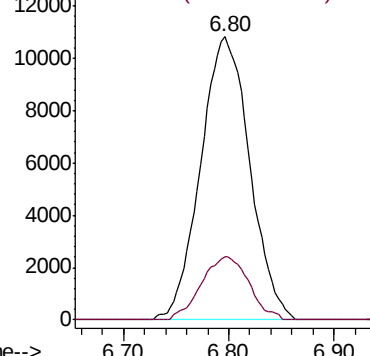
Ion Ratio Lower Upper

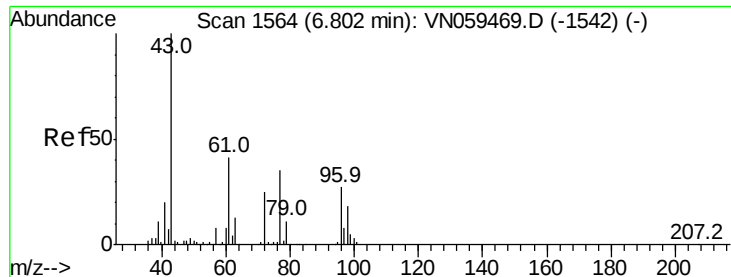
77 100

97 21.6 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 5.600 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

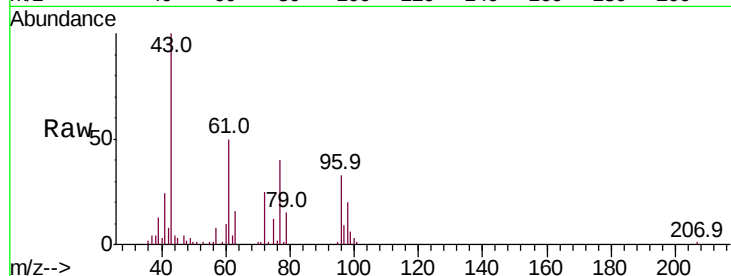
Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 23761

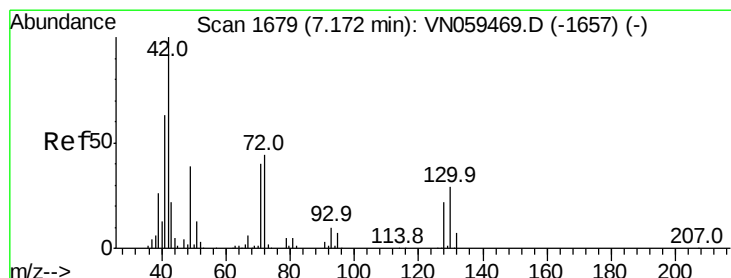
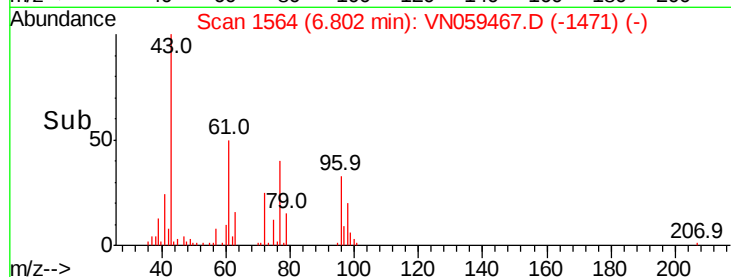
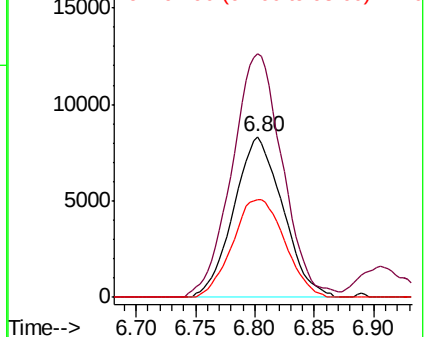
Ion	Ratio	Lower	Upper
96	100		
61	156.1	0.0	307.4
98	64.9	0.0	129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 2.981 ug/l

RT: 7.17 min Scan# 1679

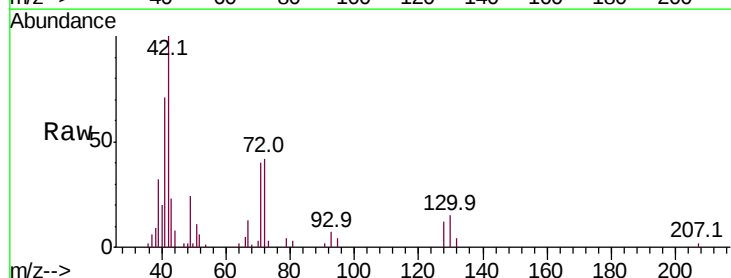
Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion: 49 Resp: 7210

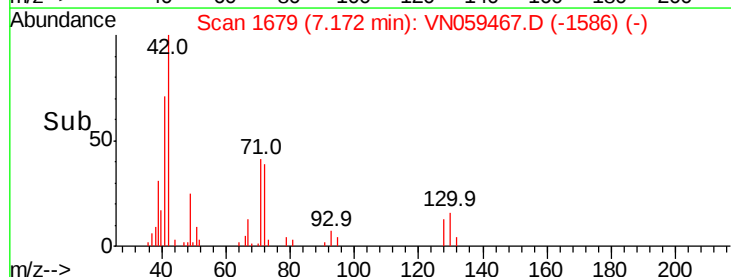
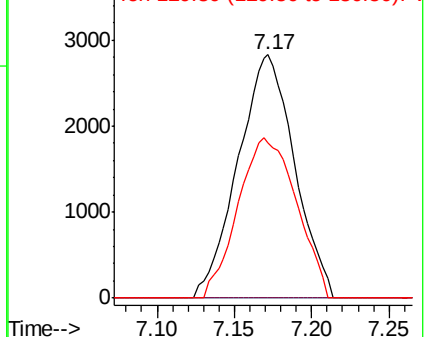
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	68.1	58.4	87.6

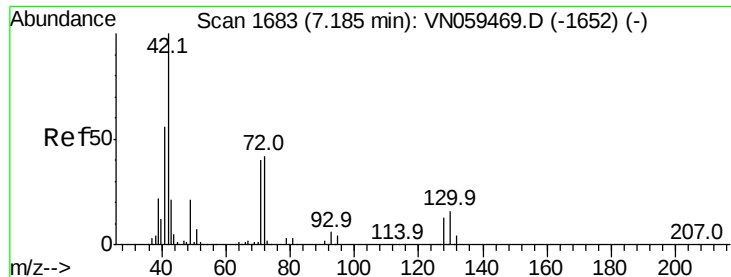


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

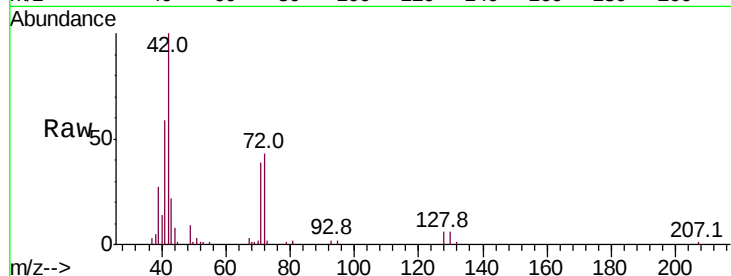




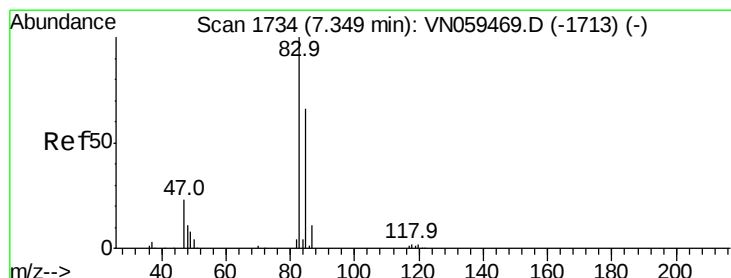
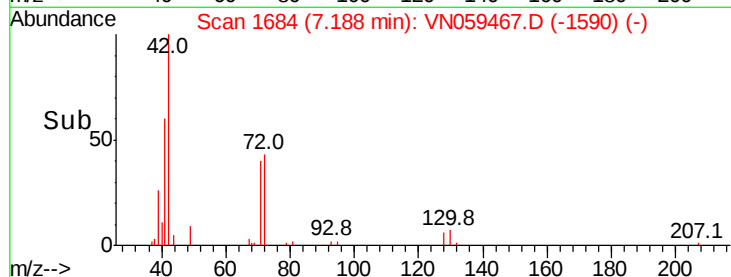
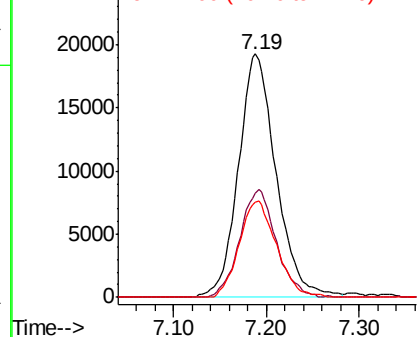
#29
Tetrahydrofuran
Concen: 29.029 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 54274
Ion Ratio Lower Upper
42 100
72 42.7 34.2 51.2
71 39.0 32.0 48.0

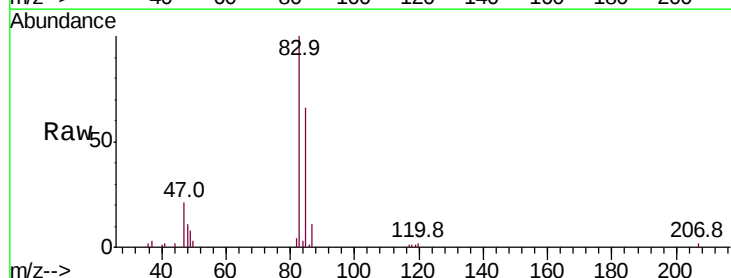


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

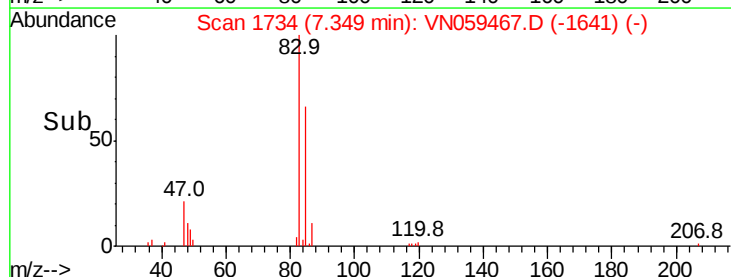
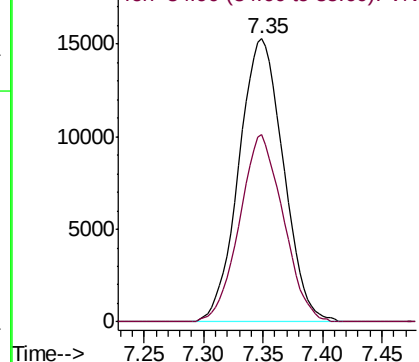


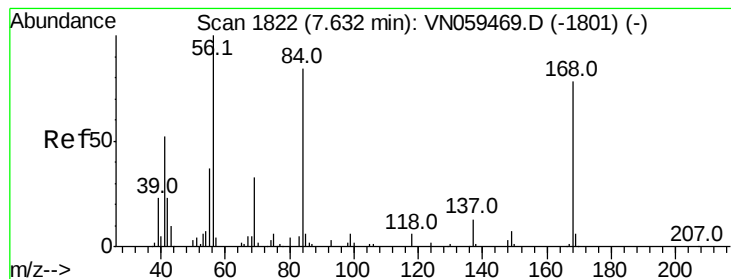
#30
Chloroform
Concen: 5.556 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 83 Resp: 39614
Ion Ratio Lower Upper
83 100
85 66.1 52.4 78.6



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





#31

Cyclohexane

Concen: 6.008 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

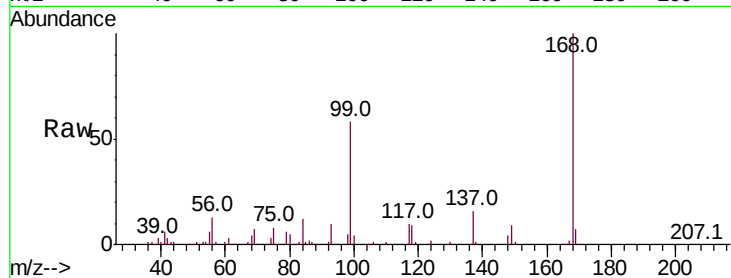
Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

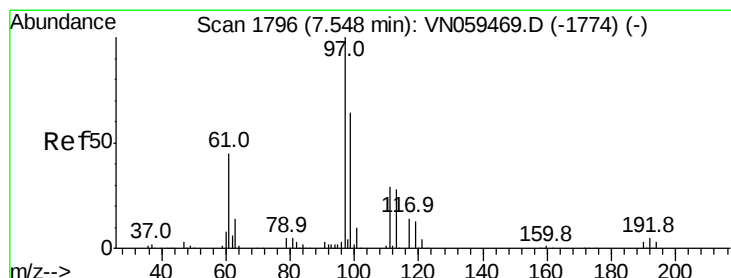
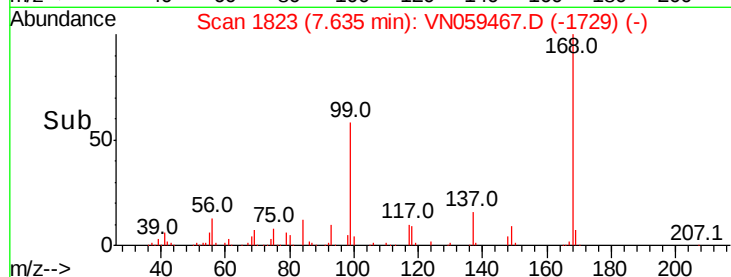
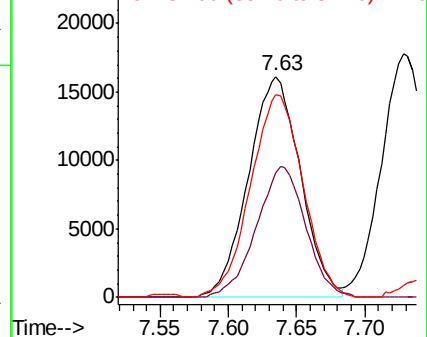
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 42715

Ion	Ratio	Lower	Upper
56	100		
69	56.5	26.2	39.4#
84	91.8	66.8	100.2



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



#32

1,1,1-Trichloroethane

Concen: 5.637 ug/l

RT: 7.54 min Scan# 1795

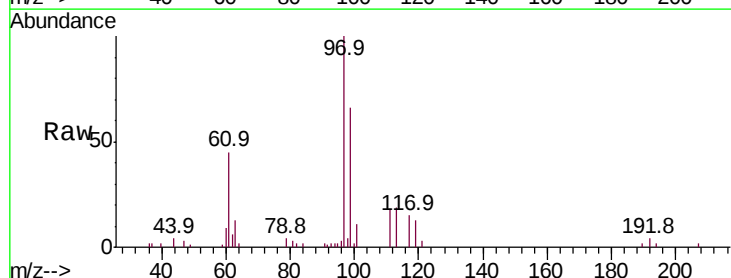
Delta R.T. -0.00 min

Lab File: VN059467.D

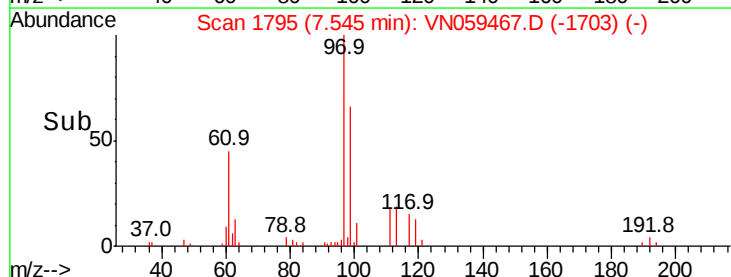
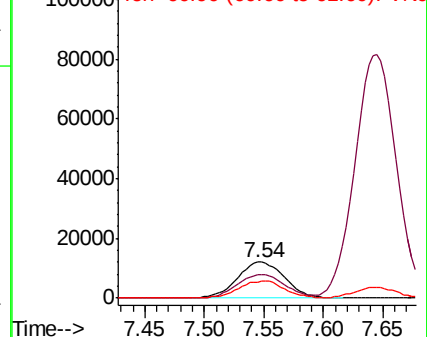
Acq: 3 Dec 2019 13:41

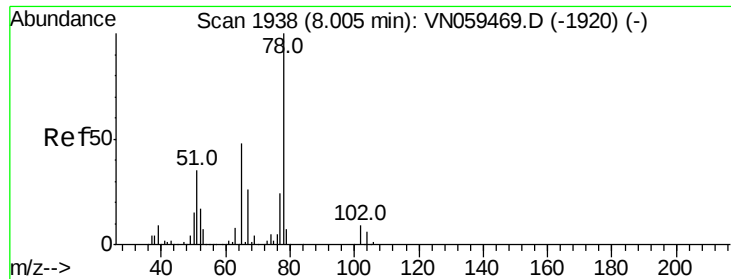
Tgt Ion: 97 Resp: 32901

Ion	Ratio	Lower	Upper
97	100		
99	67.0	51.7	77.5
61	47.0	35.4	53.0



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

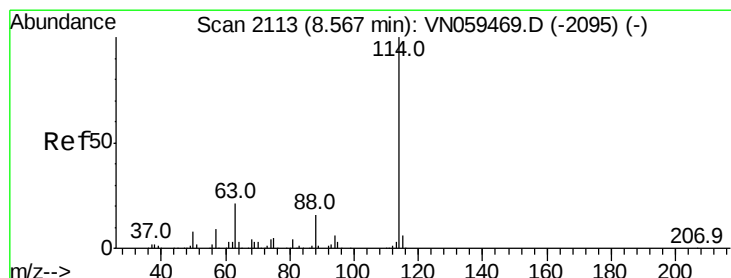
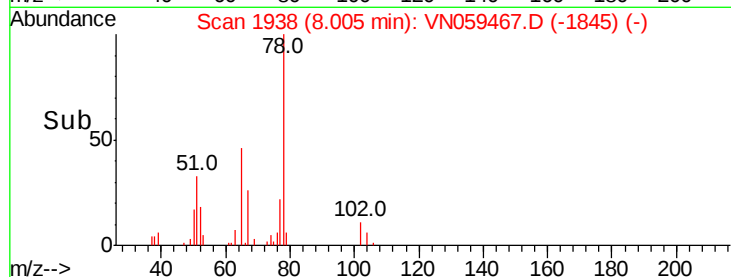
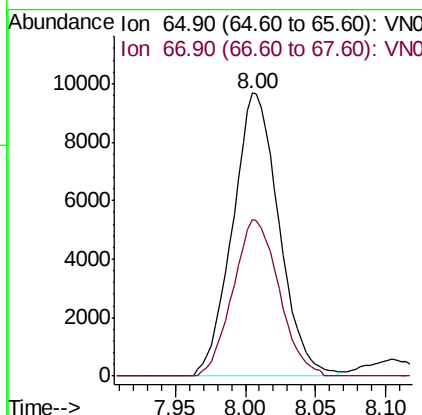
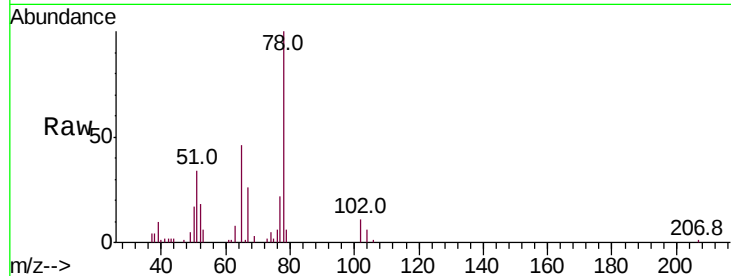




#33
 1,2-Dichloroethane-d4
 Concen: 5.255 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

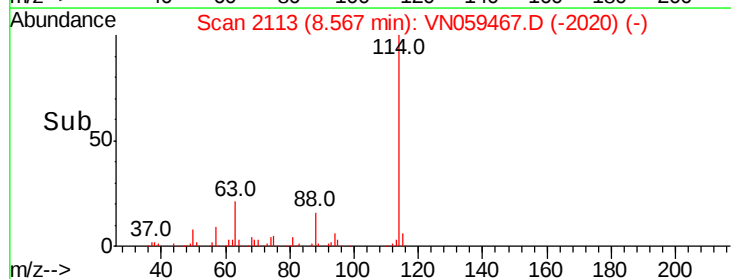
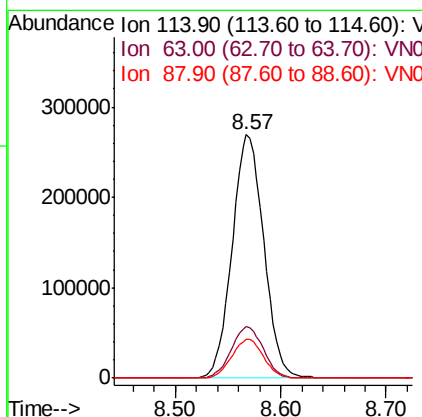
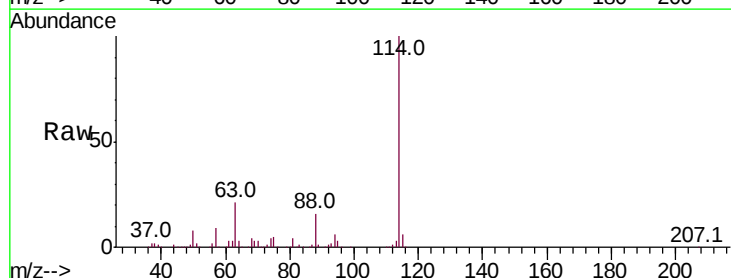
Instrument :
 MSVOA_N
 ClientSampled :

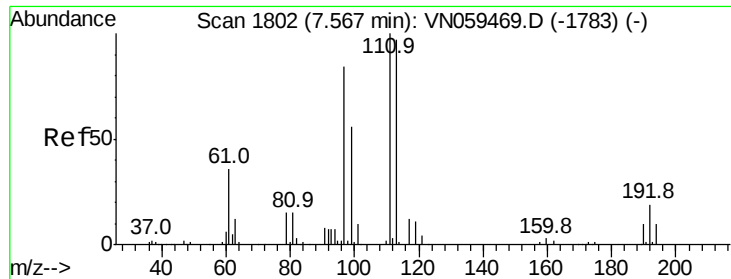
Tot Ion: 65 Resp: 22209
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion: 114 Resp: 559254
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 42.4
 88 15.9 0.0 32.8

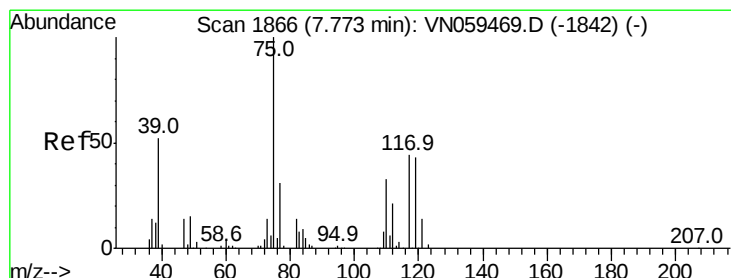
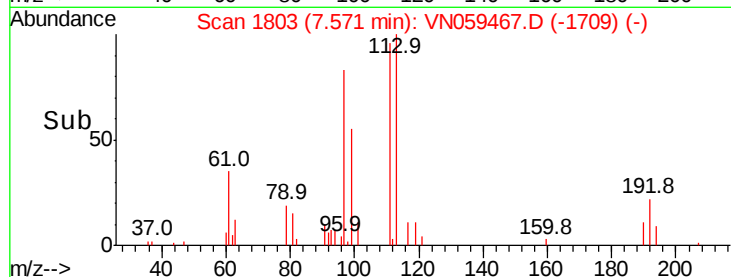
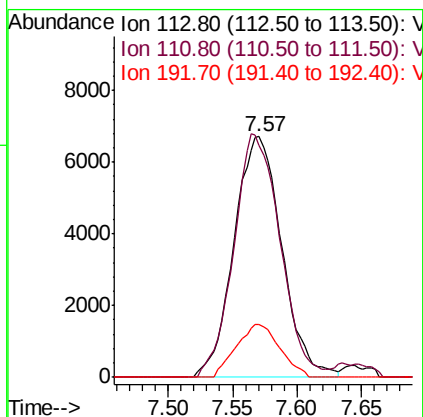
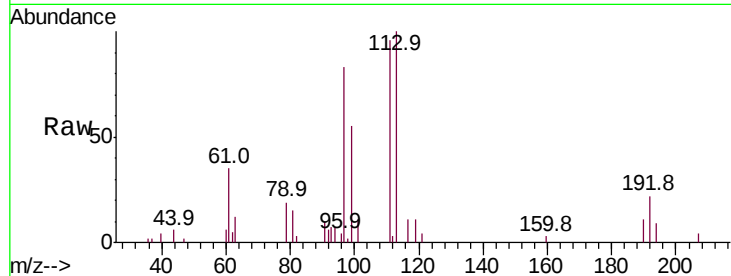




#35
 Dibromofluoromethane
 Concen: 5.069 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

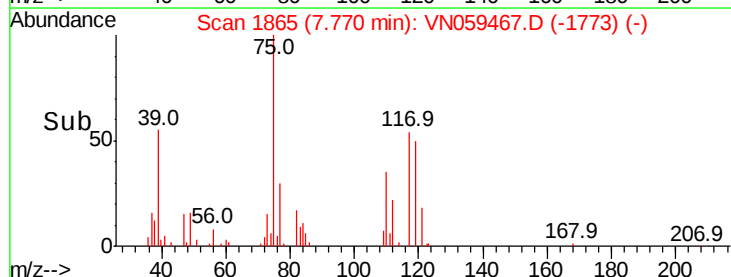
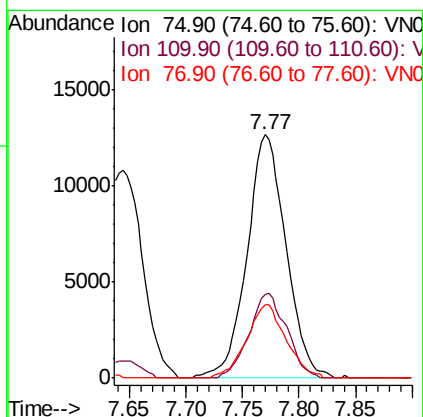
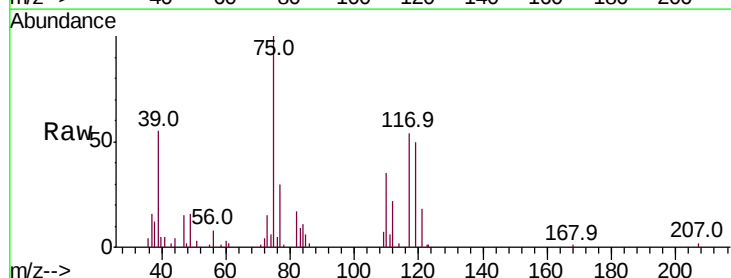
Instrument :
 MSVOA_N
 ClientSampleId :

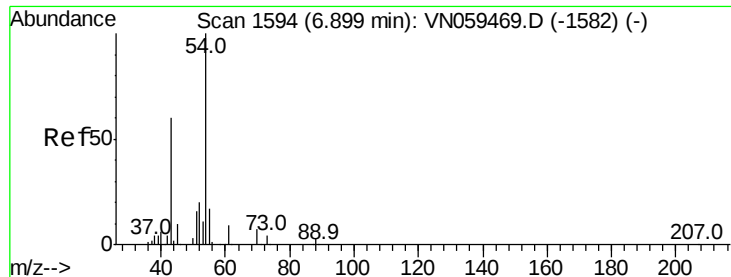
Tot Ion:113 Resp: 17353
 Ion Ratio Lower Upper
 113 100
 111 97.6 82.5 123.7
 192 19.9 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 5.579 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion: 75 Resp: 30344
 Ion Ratio Lower Upper
 75 100
 110 33.3 16.9 50.7
 77 30.5 25.1 37.7





#37

Ethyl Acetate

Concen: 5.562 ug/l

RT: 6.91 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampleId :

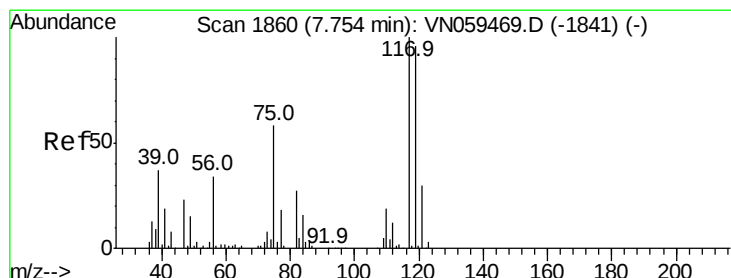
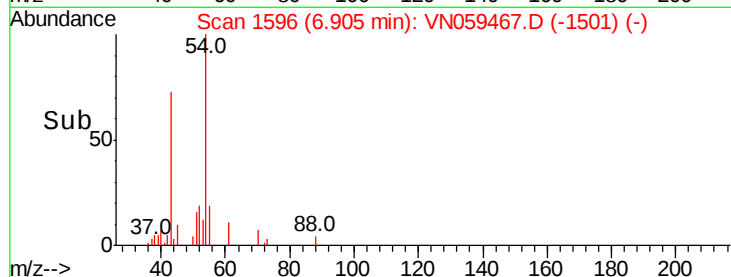
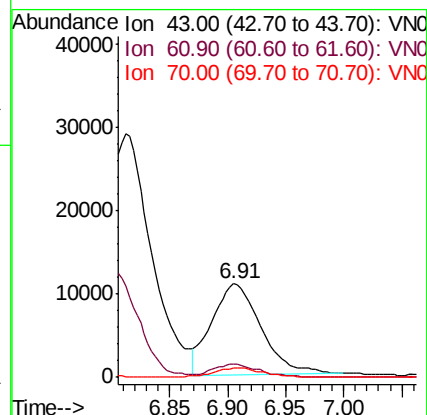
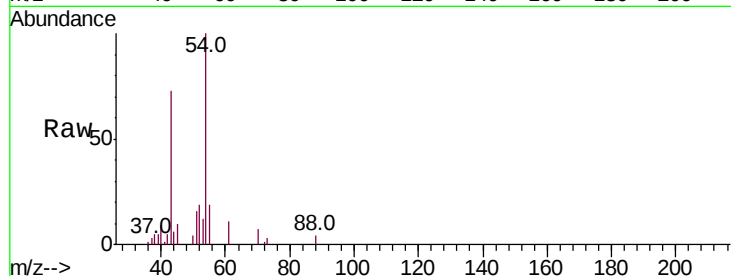
Tot Ion: 43 Resp: 32613

Ion Ratio Lower Upper

43 100

61 13.8 11.3 16.9

70 10.2 8.3 12.5



#38

Carbon Tetrachloride

Concen: 5.582 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

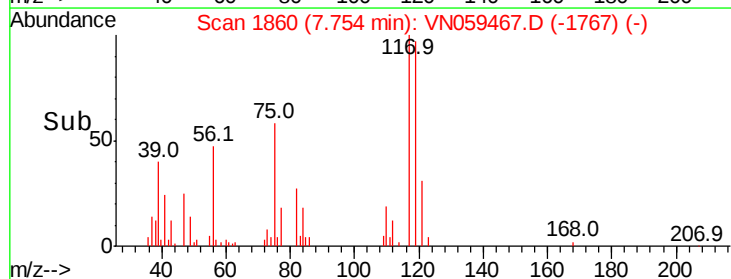
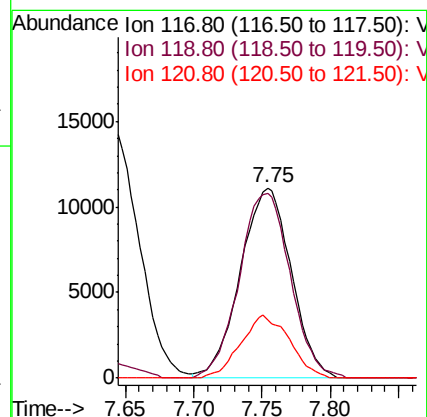
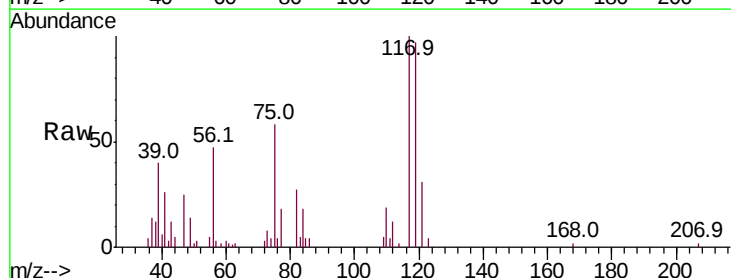
Tgt Ion: 117 Resp: 28797

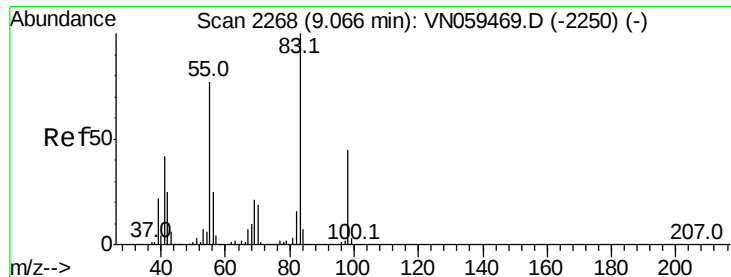
Ion Ratio Lower Upper

117 100

119 97.1 76.6 114.8

121 30.8 24.0 36.0

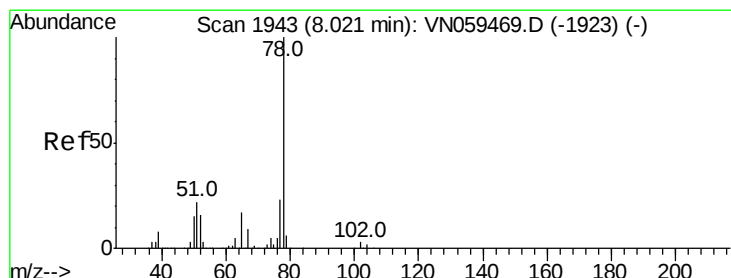
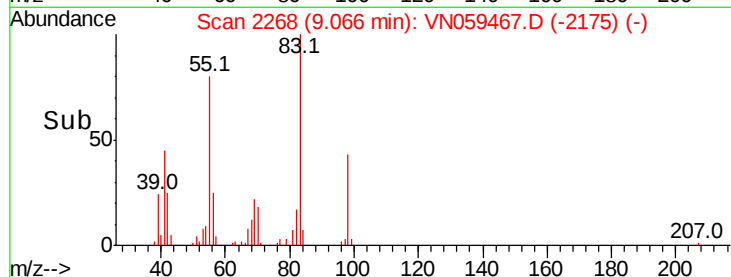
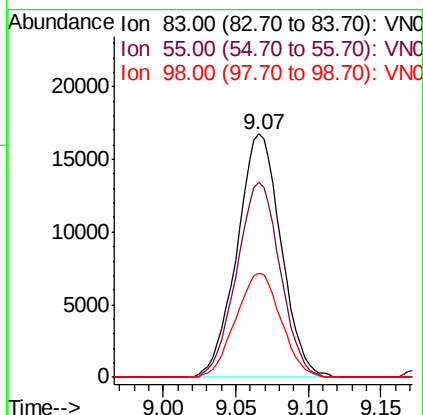
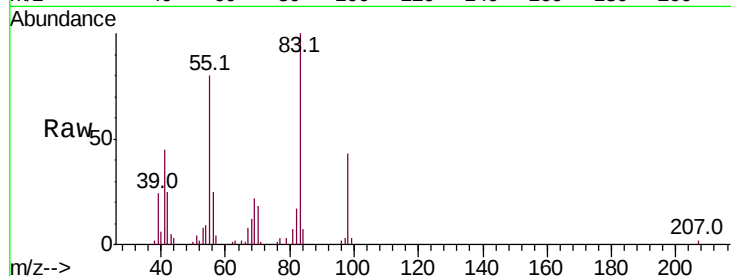




#39
Methvlcvclohexane
Concen: 5.448 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

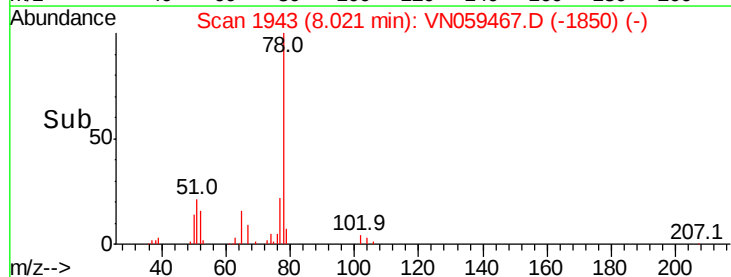
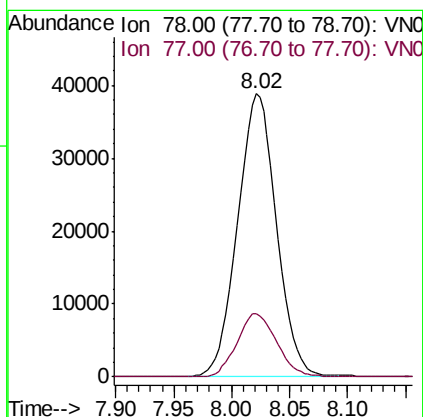
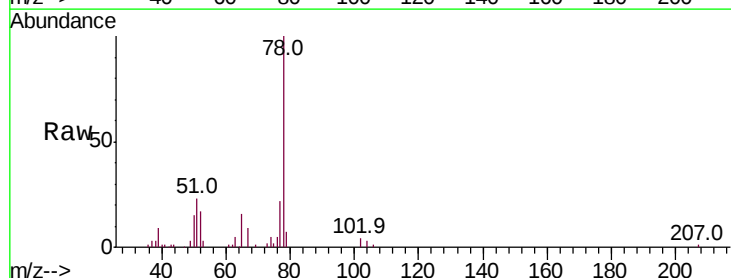
Instrument :
MSVOA_N
ClientSampleId :

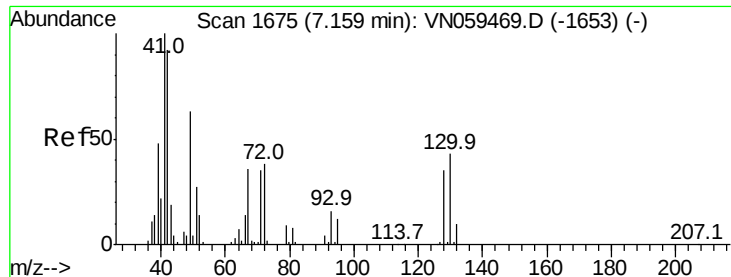
Tot Ion: 83 Resp: 35476
Ion Ratio Lower Upper
83 100
55 80.0 61.8 92.6
98 42.8 36.2 54.2



#40
Benzene
Concen: 5.600 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 78 Resp: 90568
Ion Ratio Lower Upper
78 100
77 22.3 18.2 27.2

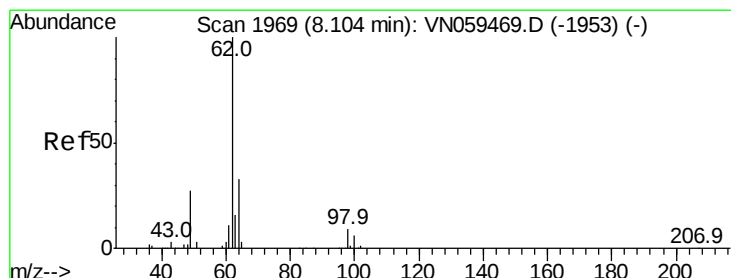
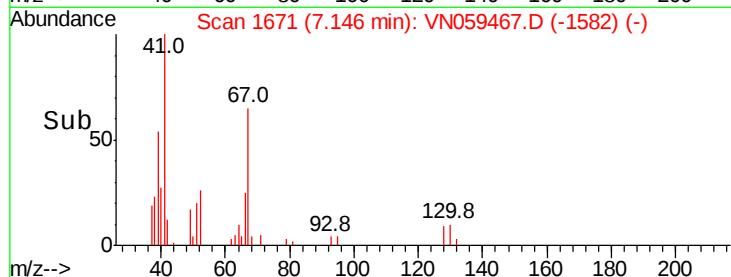
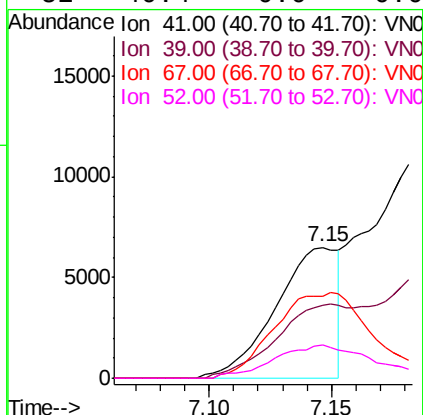
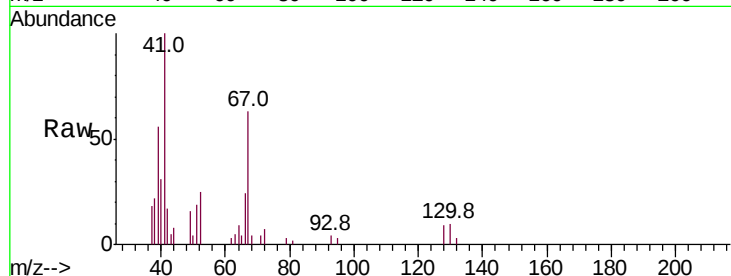




#41
Methacrylonitrile
Concen: 4.235 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

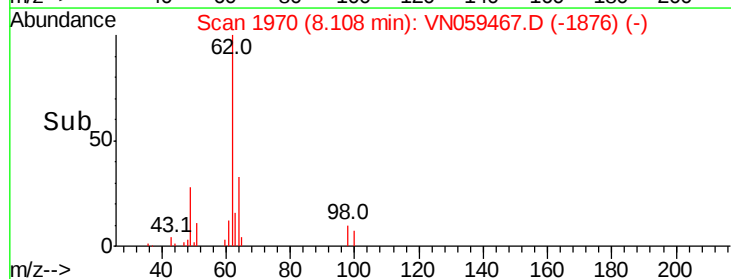
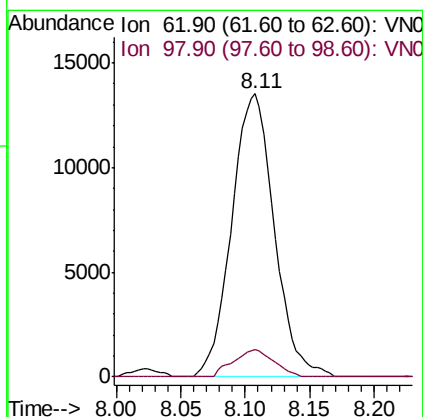
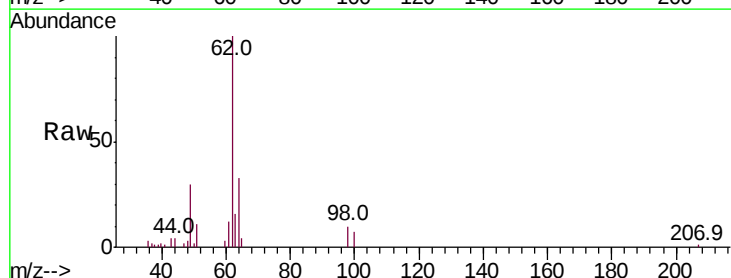
Instrument :
MSVOA_N
ClientSampleId :

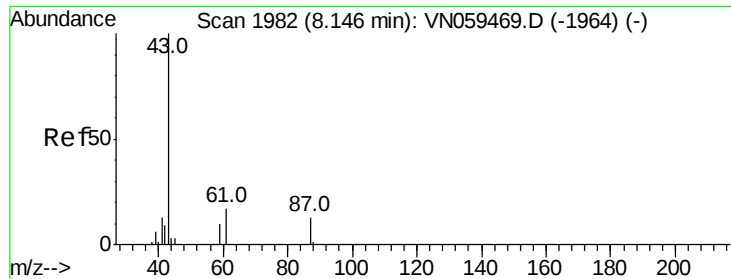
Tot Ion: 41 Resp: 11528
Ion Ratio Lower Upper
41 100
39 67.9 0.0 0.0#
67 103.1 0.0 0.0#
52 40.4 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 6.015 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 62 Resp: 31081
Ion Ratio Lower Upper
62 100
98 9.1 0.0 17.8





#43

Isopropyl Acetate

Concen: 5.488 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

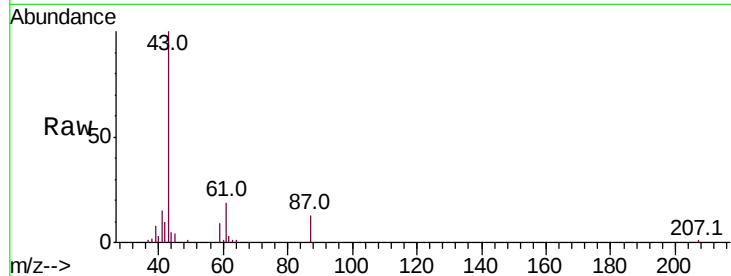
Tot Ion: 43 Resp: 48658

Ion Ratio Lower Upper

43 100

61 21.4 21.0 31.6

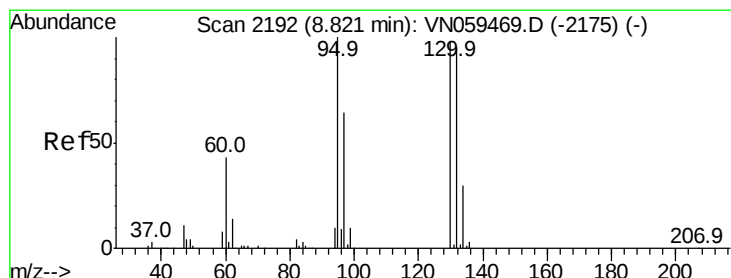
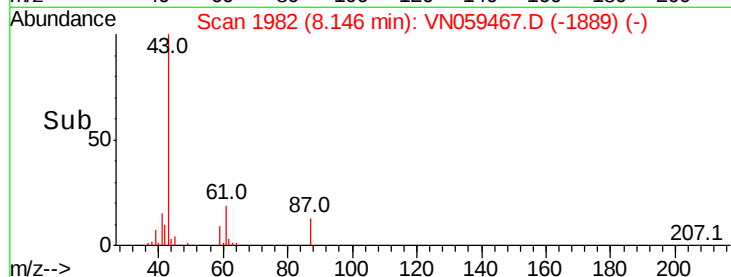
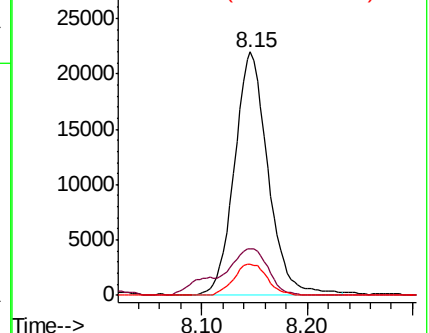
87 12.7 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VN059467.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059467.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059467.D (-1964) (-)



#44

Trichloroethene

Concen: 5.578 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059467.D

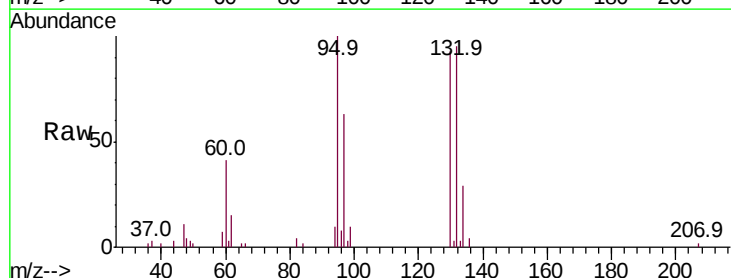
Acq: 3 Dec 2019 13:41

Tgt Ion:130 Resp: 22957

Ion Ratio Lower Upper

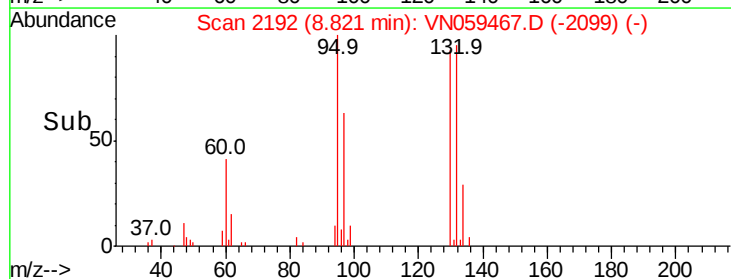
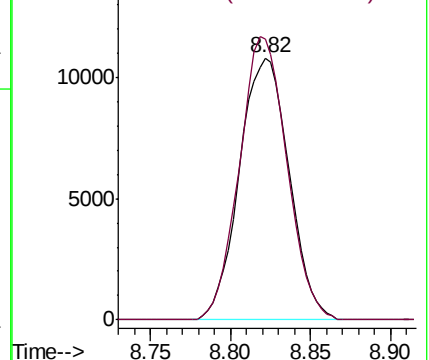
130 100

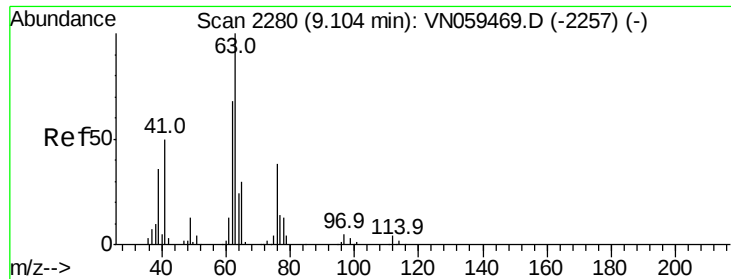
95 107.3 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN059467.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059467.D (-2175) (-)

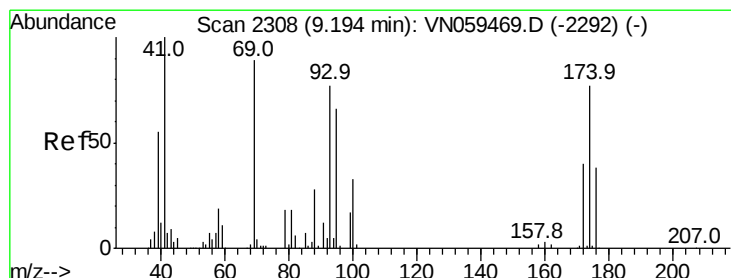
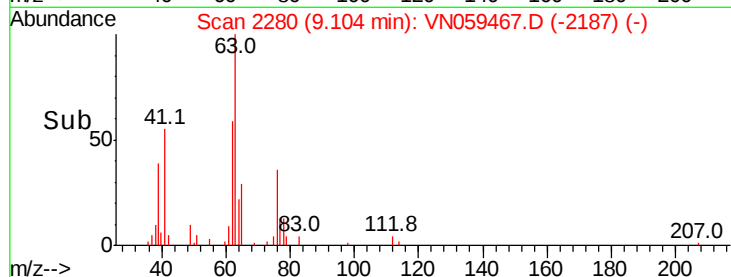
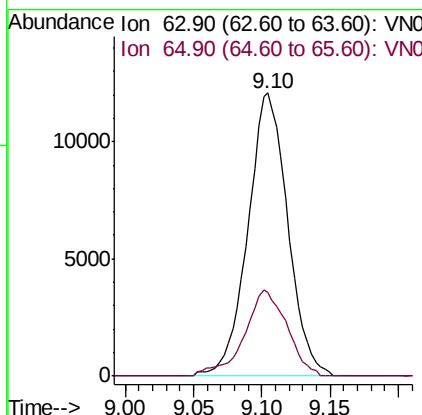
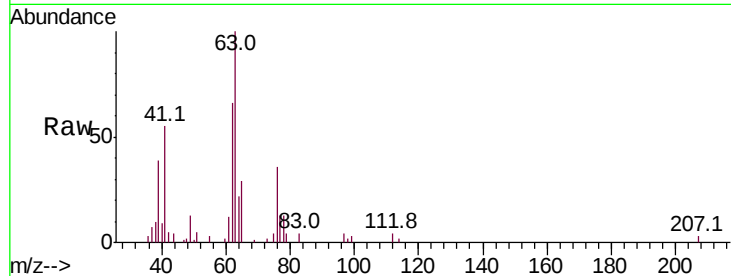




#45
 1,2-Dichloropropane
 Concen: 5.789 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

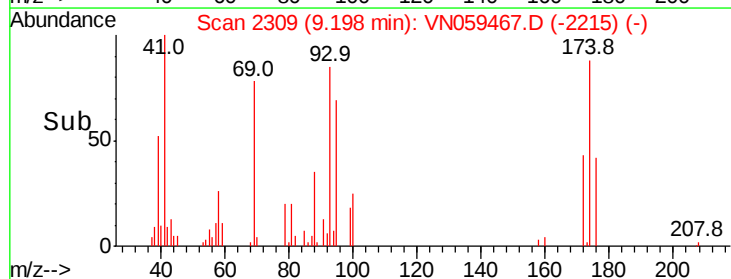
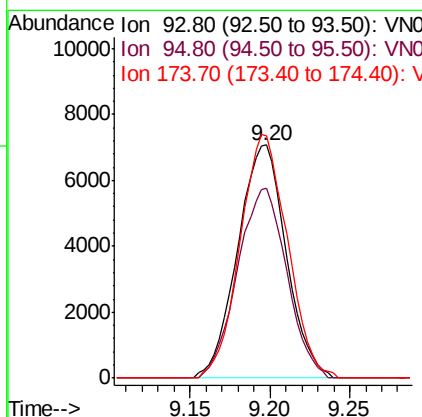
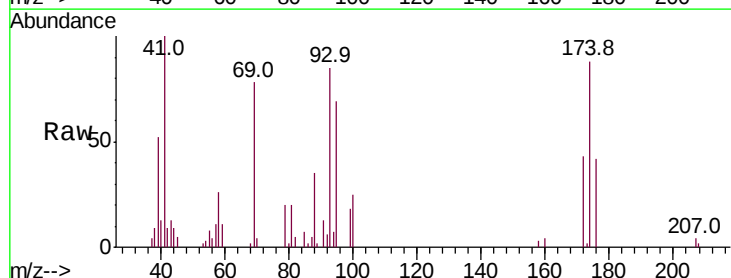
Instrument :
 MSVOA_N
 ClientSampled :

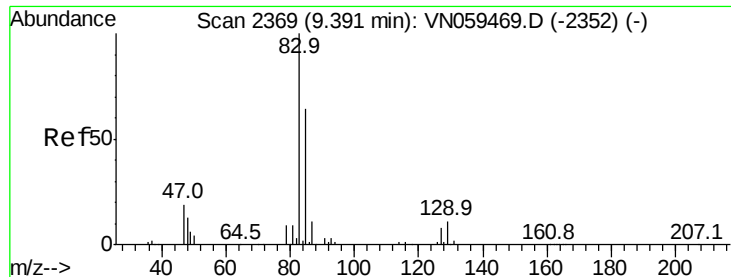
Tot Ion: 63 Resp: 24494
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.4 36.6



#46
 Dibromomethane
 Concen: 5.624 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion: 93 Resp: 14709
 Ion Ratio Lower Upper
 93 100
 95 82.4 67.0 100.6
 174 102.0 79.6 119.4





#47

Bromodichloromethane

Concen: 5.548 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

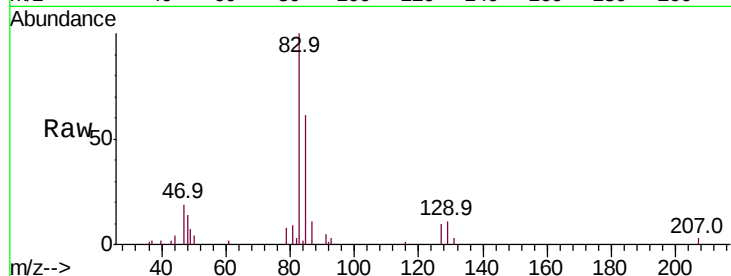
Tot Ion: 83 Resp: 29356

Ion Ratio Lower Upper

83 100

85 60.7 51.0 76.6

127 9.9 6.6 9.8#



Abundance Ion 82.90 (82.60 to 83.60): VN059467.D (-2276) (-)

Ion 84.90 (84.60 to 85.60): VN059467.D (-2276) (-)

Ion 126.80 (126.50 to 127.50): VN059467.D (-2276) (-)

9.39

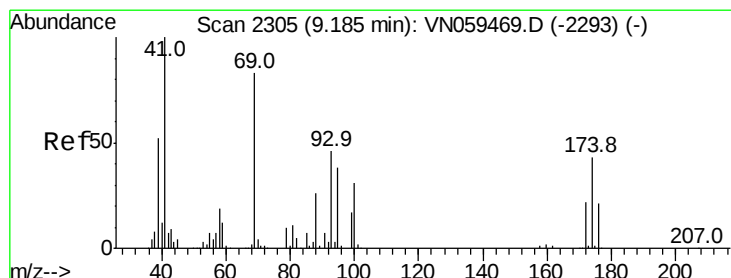
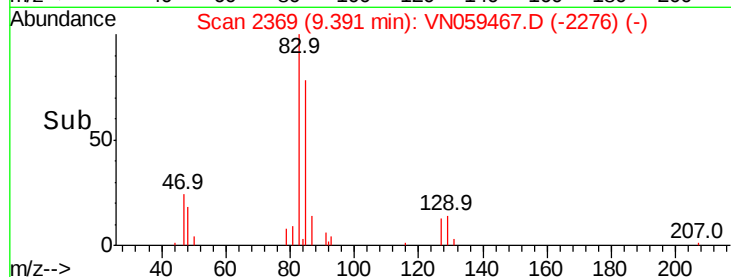
15000

10000

5000

0

Time--> 9.30 9.35 9.40 9.45



#48

Methyl methacrylate

Concen: 5.482 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

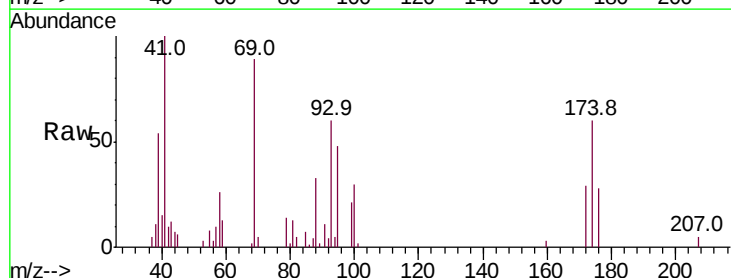
Tgt Ion: 41 Resp: 21620

Ion Ratio Lower Upper

41 100

69 79.7 68.6 103.0

39 52.1 43.2 64.8



Abundance Ion 41.00 (40.70 to 41.70): VN059467.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059467.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059467.D (-2212) (-)

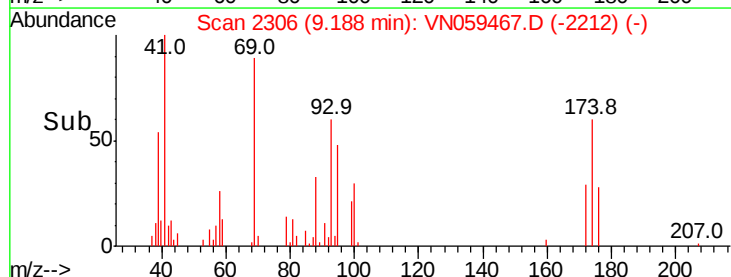
9.19

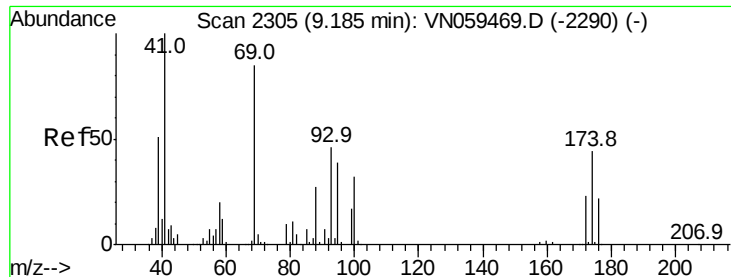
10000

5000

0

Time--> 9.15 9.20 9.25





#49

1,4-Dioxane

Concen: 129.982 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :

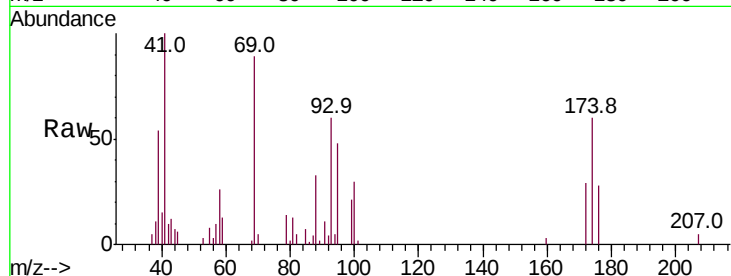
Tot Ion: 88 Resp: 7272

Ion Ratio Lower Upper

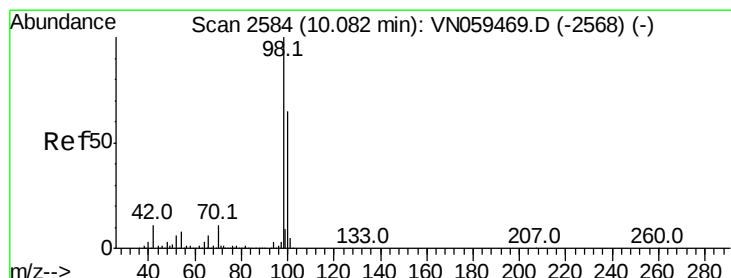
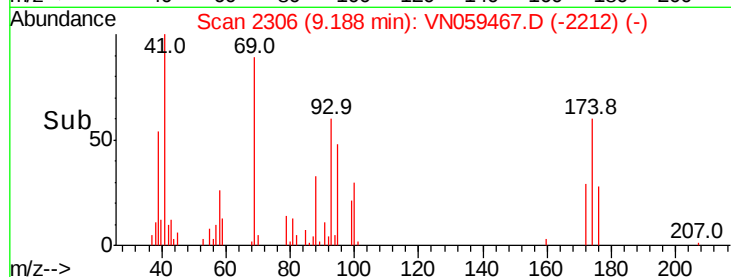
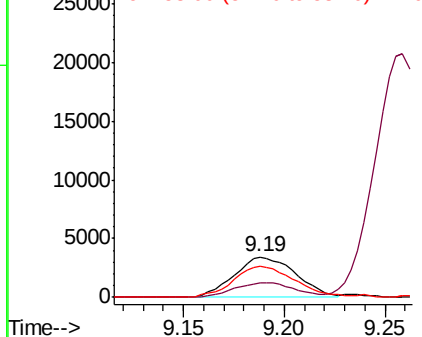
88 100

43 35.8 27.1 40.7

58 77.0 57.8 86.6



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: 4.888 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059467.D

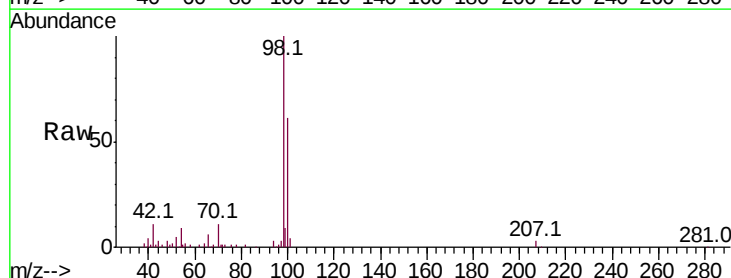
Acq: 3 Dec 2019 13:41

Tgt Ion: 98 Resp: 66753

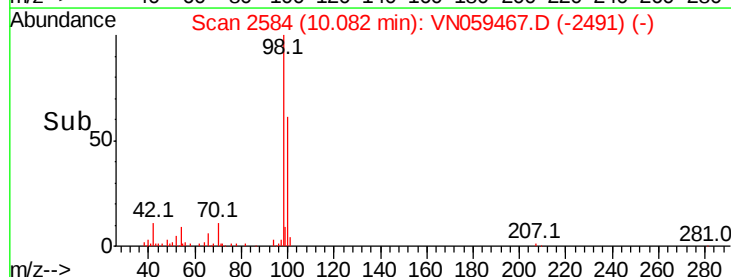
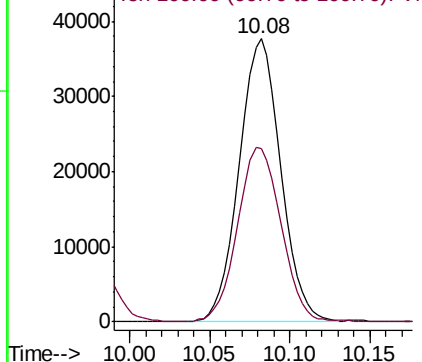
Ion Ratio Lower Upper

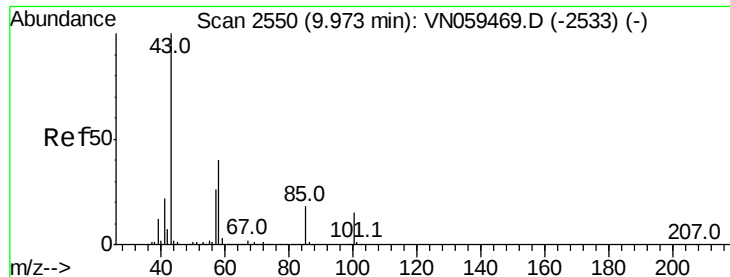
98 100

100 64.6 52.1 78.1



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: 28.444 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

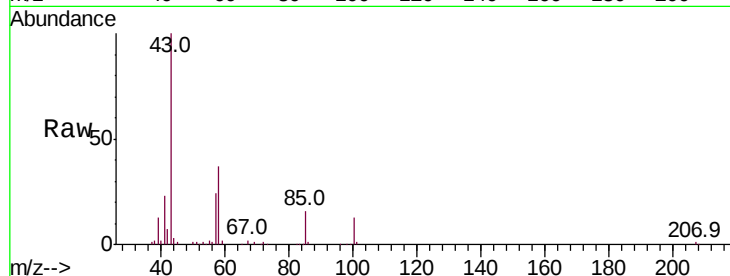
ClientSampleId :

Tot Ion: 43 Resp: 147394

Ion Ratio Lower Upper

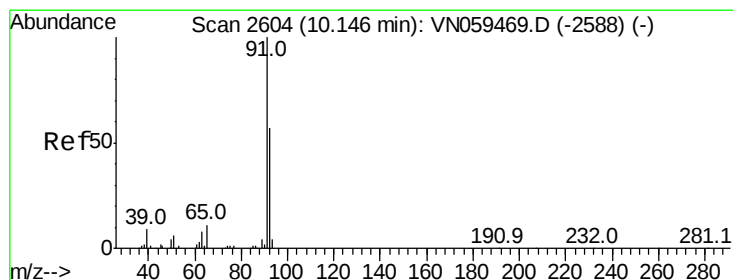
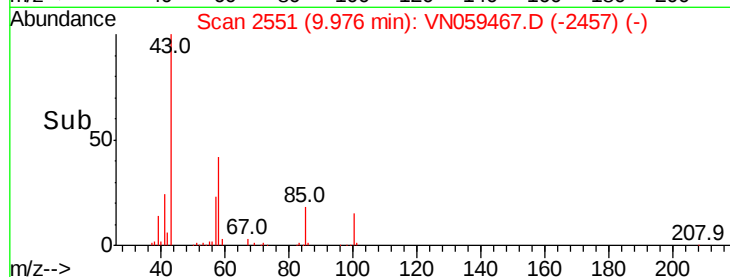
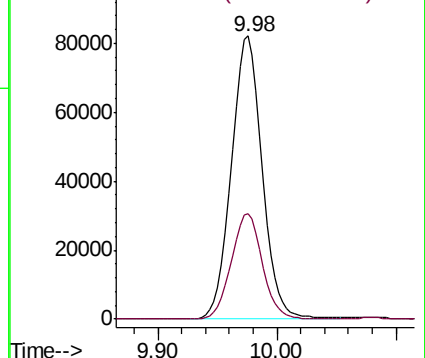
43 100

58 37.6 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 5.506 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059467.D

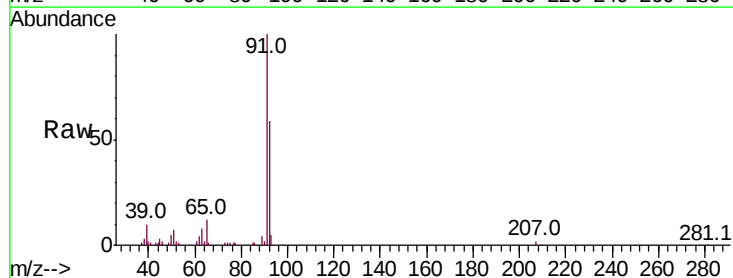
Acq: 3 Dec 2019 13:41

Tgt Ion: 92 Resp: 53256

Ion Ratio Lower Upper

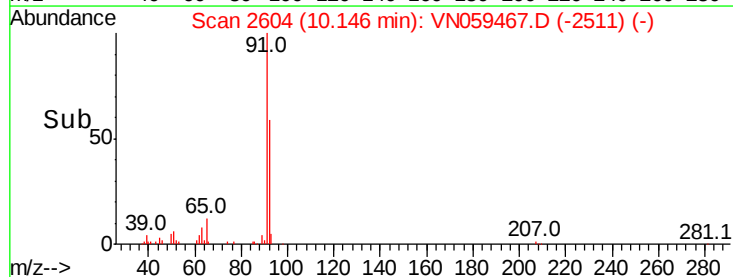
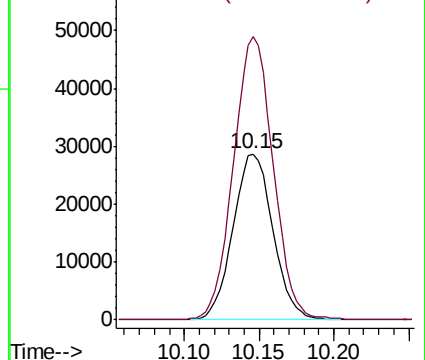
92 100

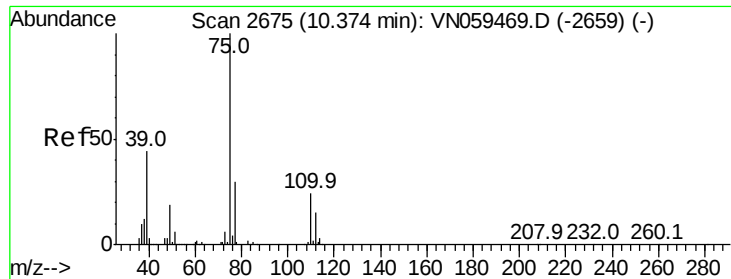
91 170.3 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 5.417 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

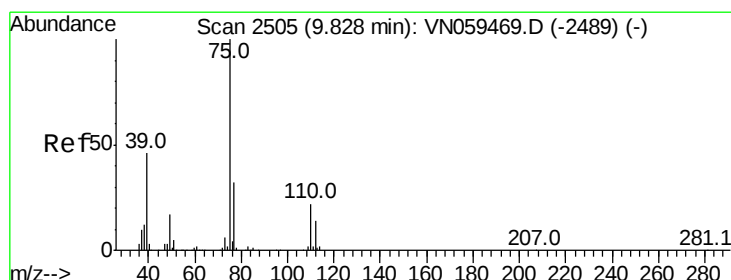
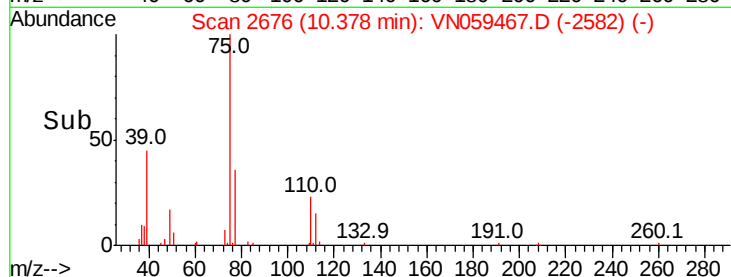
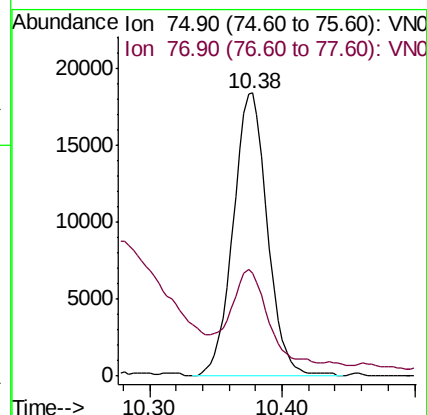
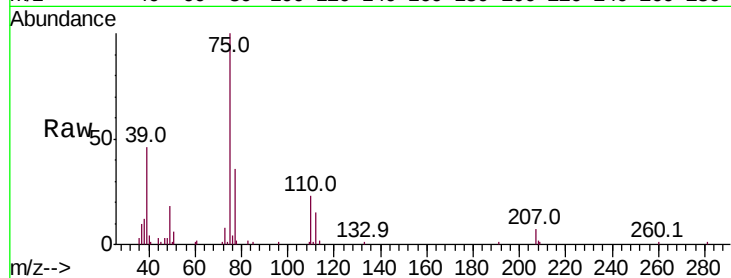
ClientSampleId :

Tot Ion: 75 Resp: 32970

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6



#54

cis-1,3-Dichloropropene

Concen: 5.429 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

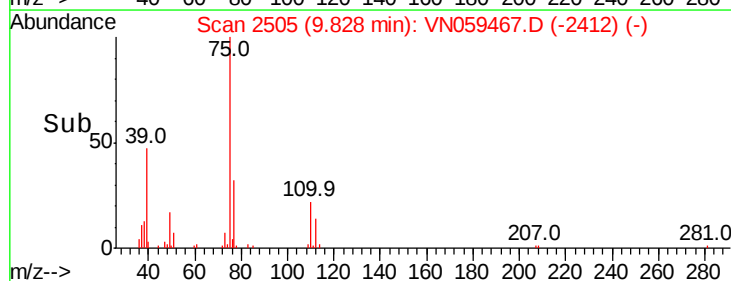
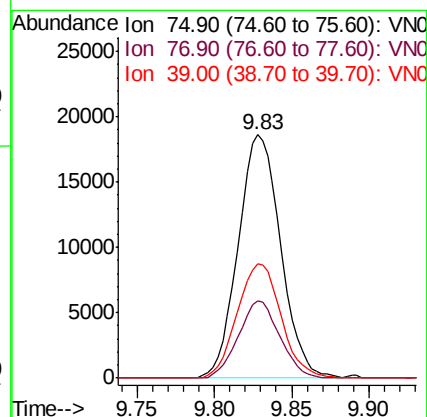
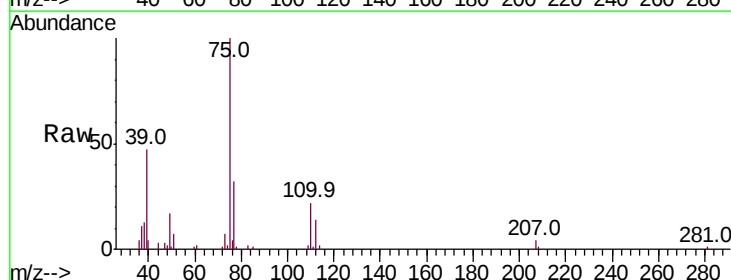
Tgt Ion: 75 Resp: 35537

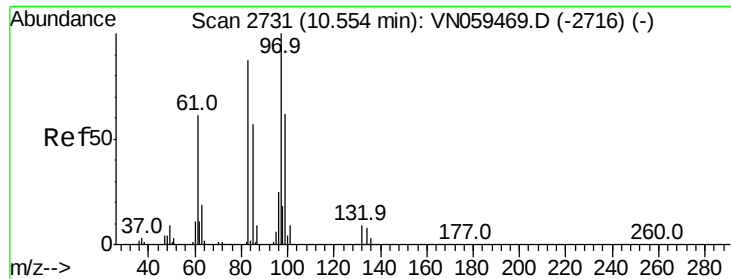
Ion Ratio Lower Upper

75 100

77 31.9 25.7 38.5

39 46.9 36.6 54.8

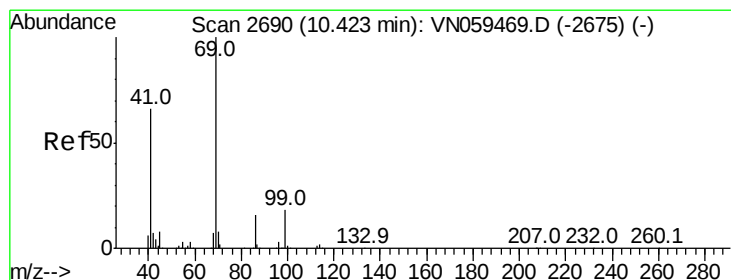
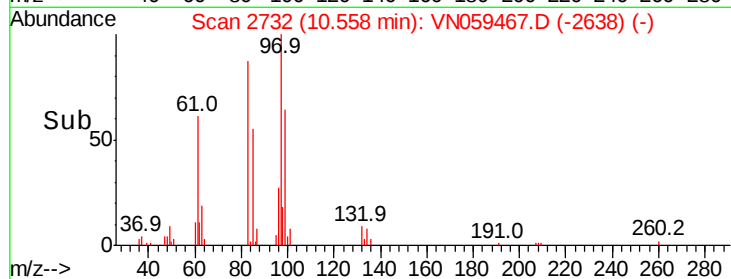
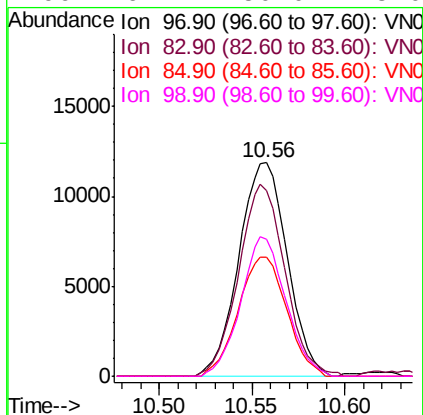
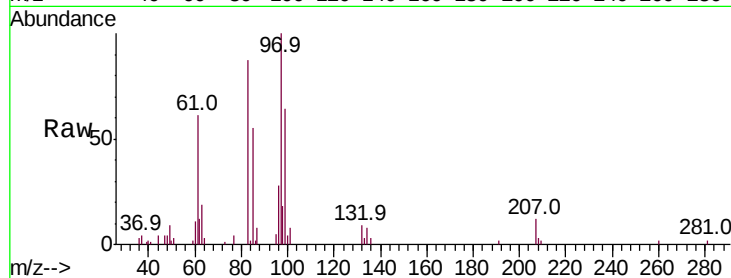




#55
 1,1,2-Trichloroethane
 Concen: 5.663 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

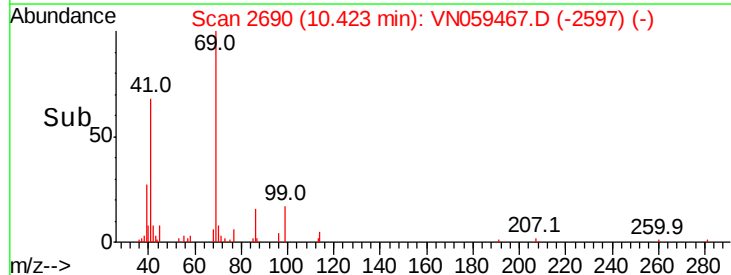
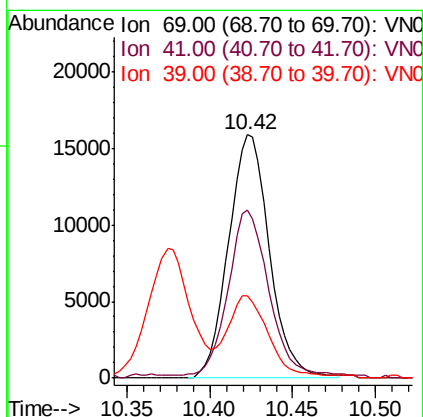
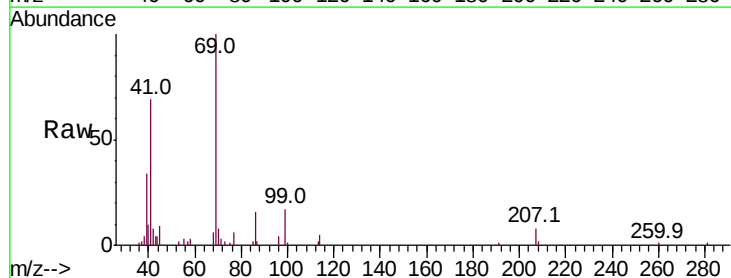
Instrument :
 MSVOA_N
 ClientSampleId :

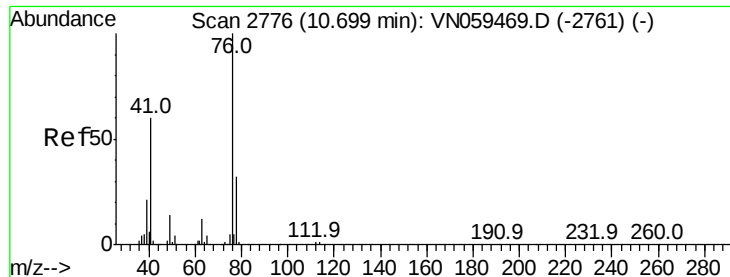
Tot Ion:	97	Resp:	21528
Ion	Ratio	Lower	Upper
97	100		
83	87.0	69.8	104.8
85	55.5	45.5	68.3
99	64.2	50.0	75.0



#56
 Ethyl methacrylate
 Concen: 4.906 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion:	69	Resp:	27237
Ion	Ratio	Lower	Upper
69	100		
41	71.1	52.7	79.1
39	35.6	25.0	37.6





#57

1,3-Dichloropropane

Concen: 5.562 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

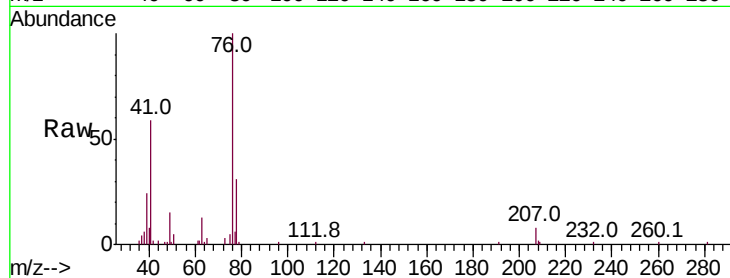
ClientSampled :

Tot Ion: 76 Resp: 36410

Ion Ratio Lower Upper

76 100

78 32.6 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

20000

15000

10000

5000

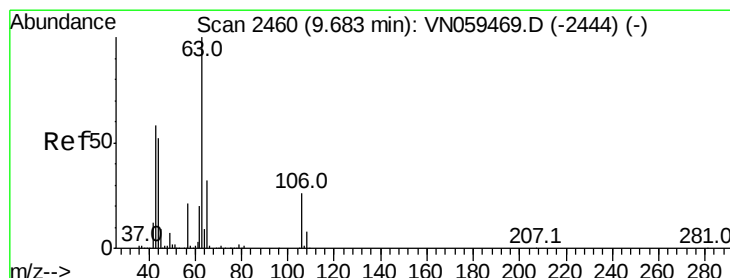
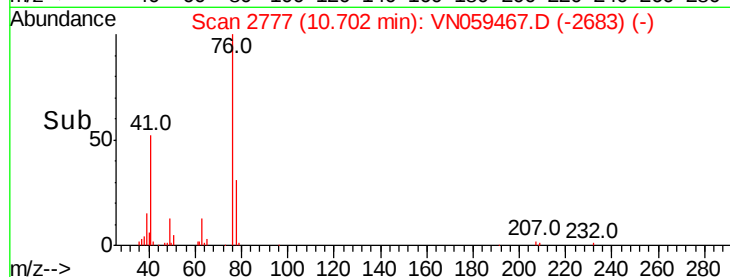
0

Time-->

10.65

10.70

10.75



#58

2-Chloroethyl Vinyl ether

Concen: 23.724 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059467.D

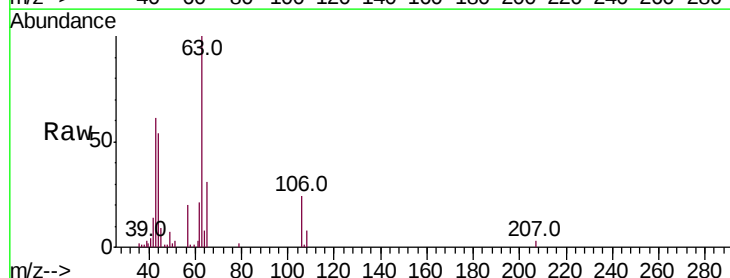
Acq: 3 Dec 2019 13:41

Tgt Ion: 63 Resp: 37972

Ion Ratio Lower Upper

63 100

106 25.0 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

25000

20000

15000

10000

5000

0

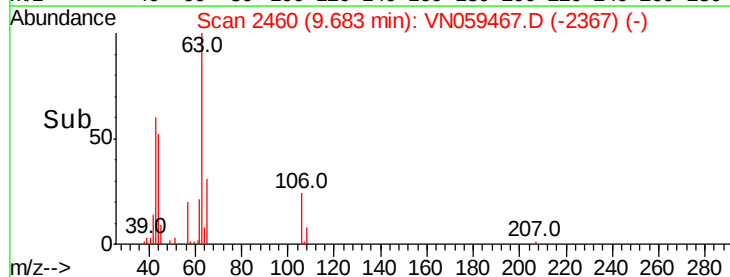
Time-->

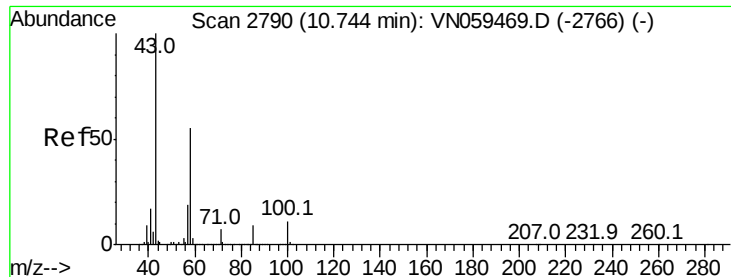
9.60

9.65

9.70

9.75

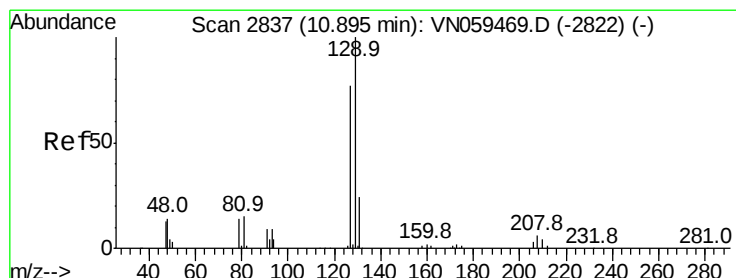
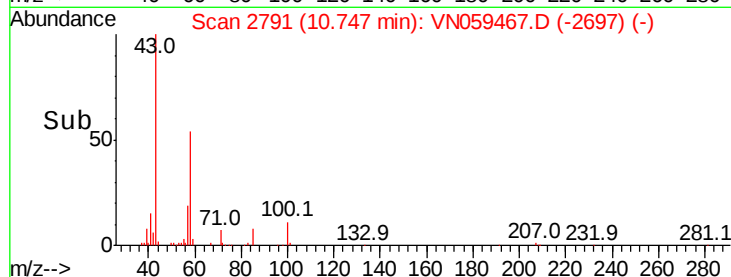
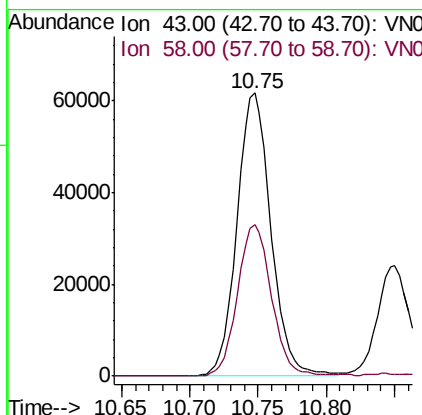
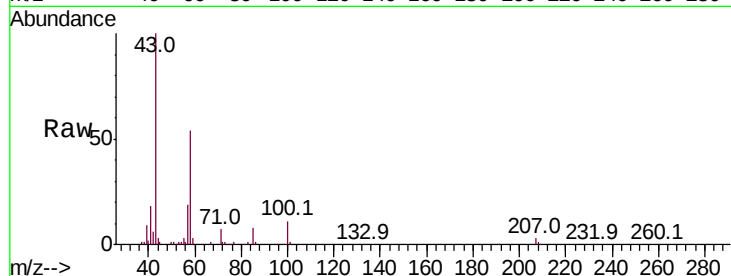




#59
2-Hexanone
Concen: 27.671 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

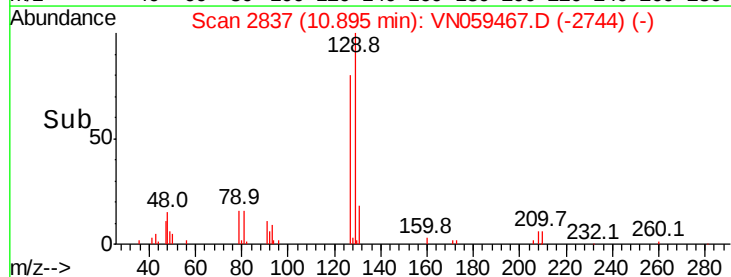
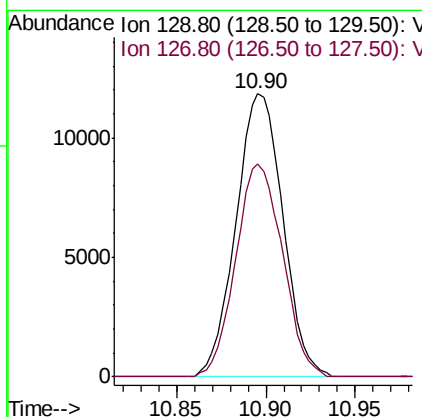
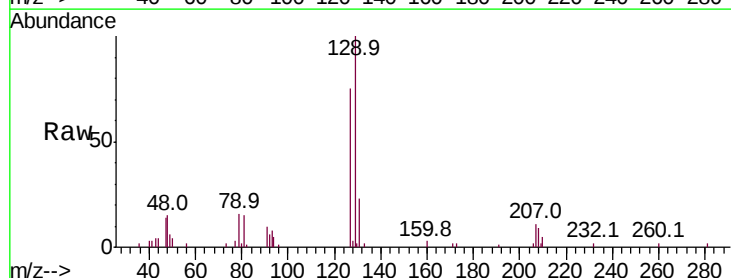
Instrument :
MSVOA_N
ClientSampleId :

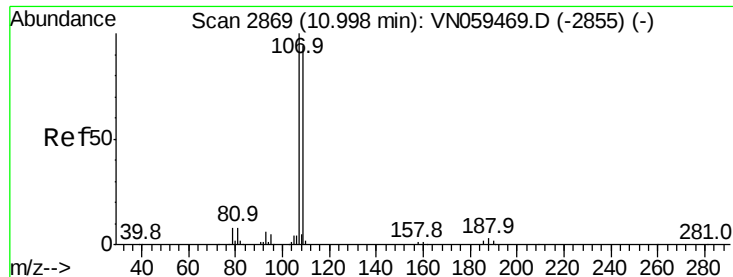
Tot Ion: 43 Resp: 106598
Ion Ratio Lower Upper
43 100
58 53.9 27.7 83.0



#60
Dibromochloromethane
Concen: 5.513 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 129 Resp: 21794
Ion Ratio Lower Upper
129 100
127 75.0 39.0 116.9

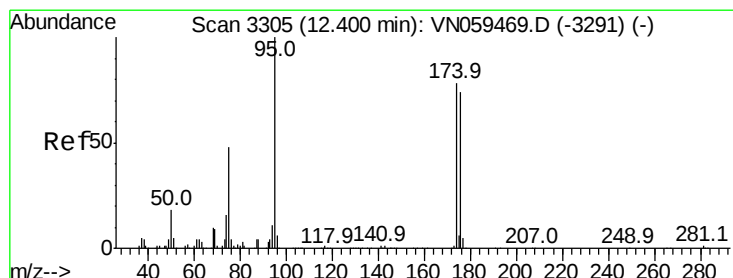
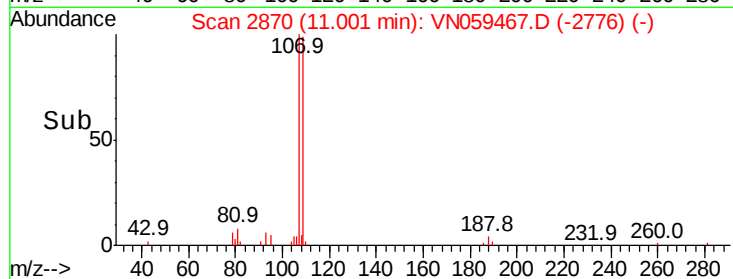
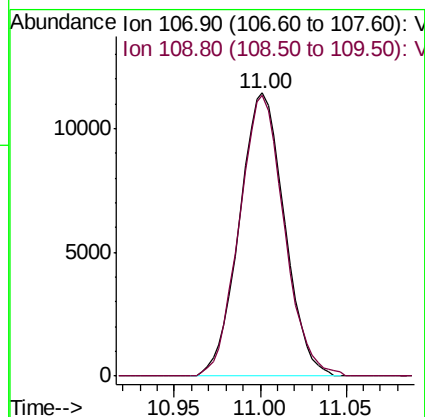
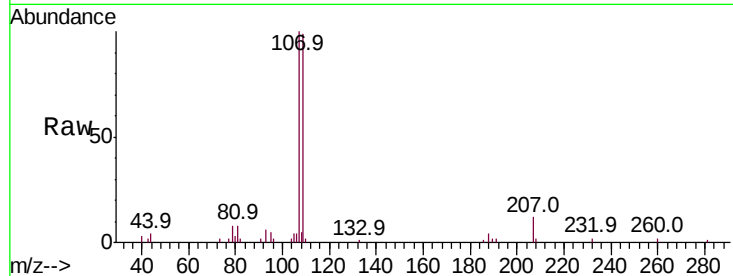




#61
 1,2-Dibromoethane
 Concen: 5.337 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

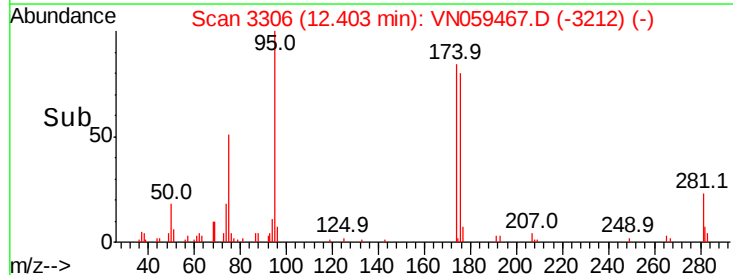
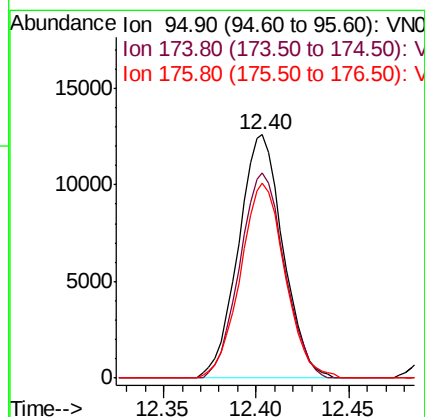
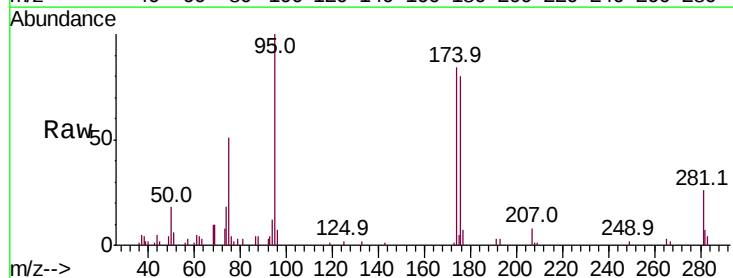
Instrument :
 MSVOA_N
 ClientSampleId :

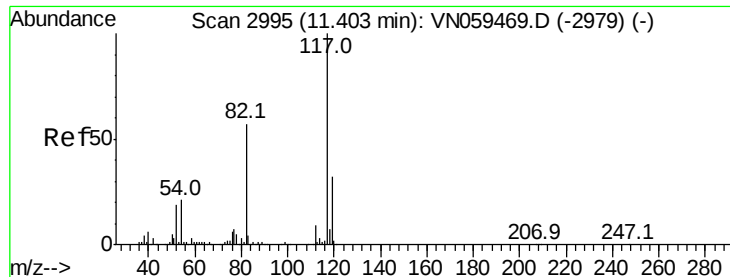
Tot Ion:107 Resp: 20789
 Ion Ratio Lower Upper
 107 100
 109 98.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 4.425 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion: 95 Resp: 21086
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 157.0
 176 79.9 0.0 152.4

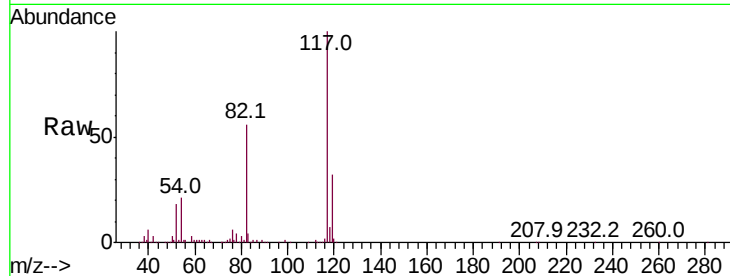




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.8	68.8
119	32.1	25.4	38.0

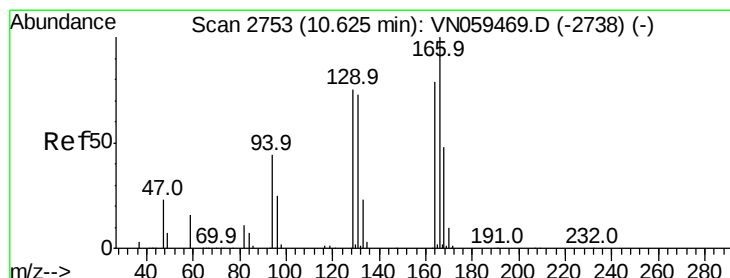
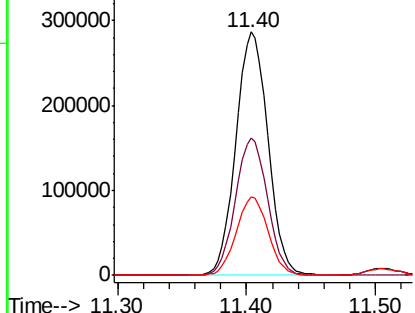
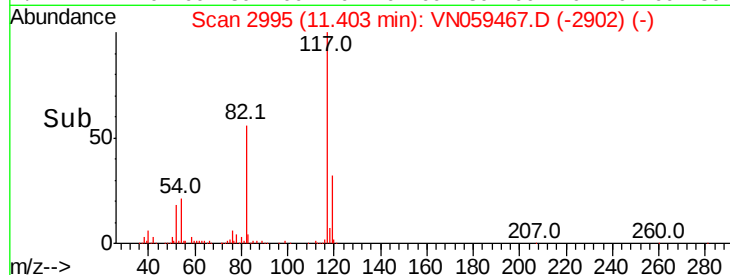


Abundance

Ion 116.90 (116.60 to 117.60): V

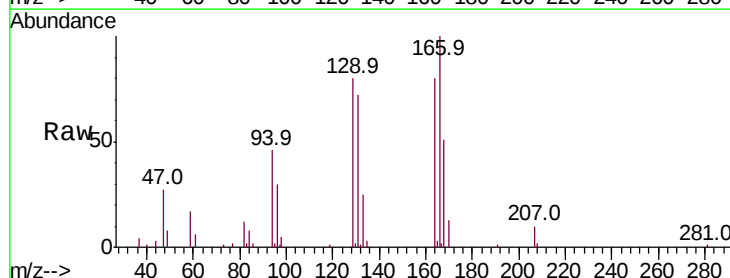
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 6.062 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.7	101.2	151.8
129	100.6	76.1	114.1
131	90.6	73.7	110.5



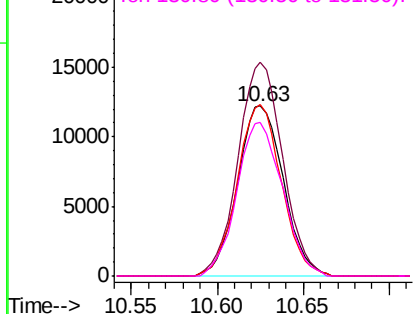
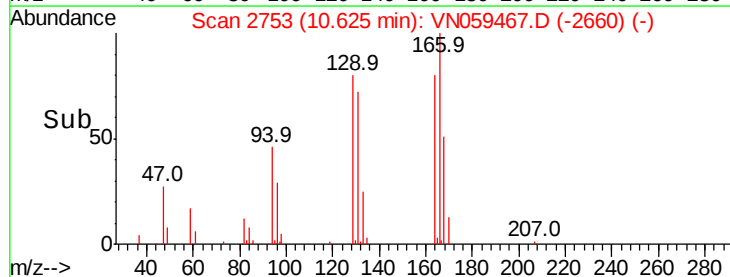
Abundance

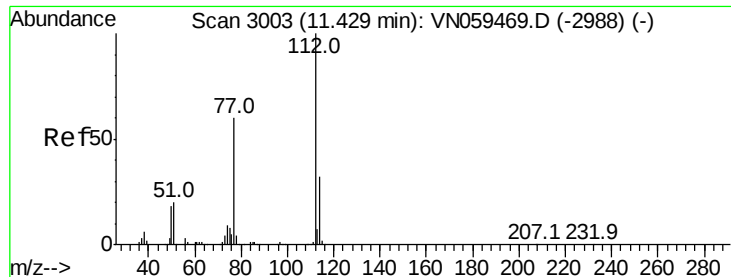
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

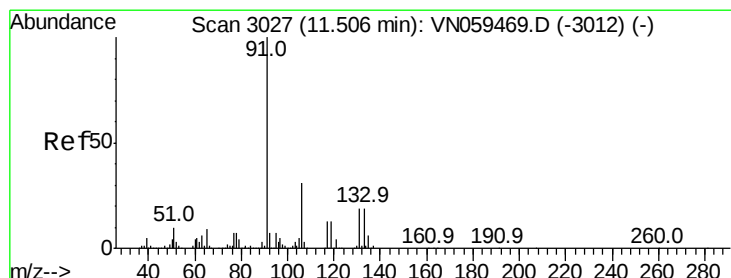
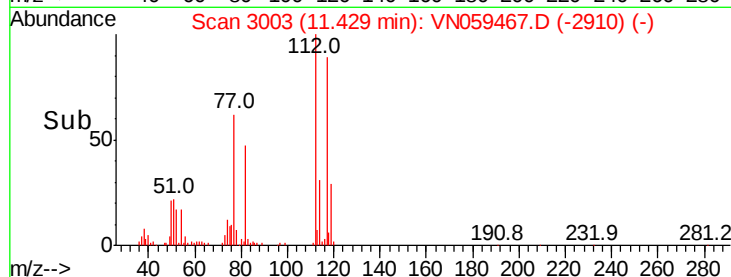
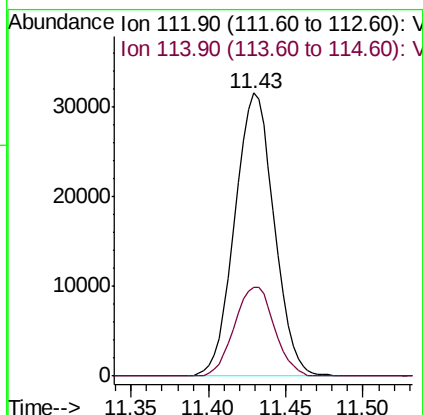
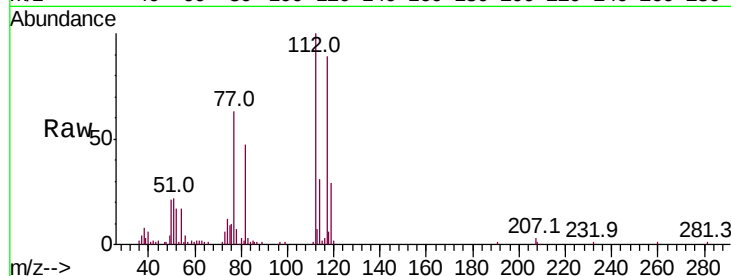




#65
Chlorobenzene
Concen: 5.484 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

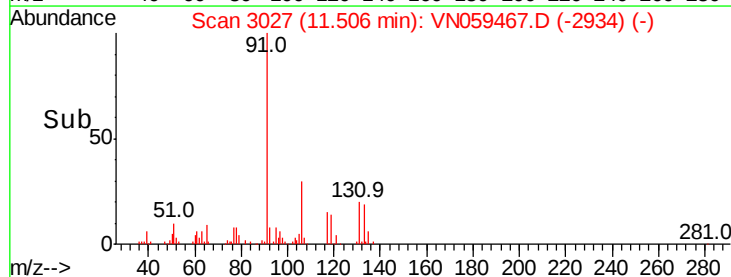
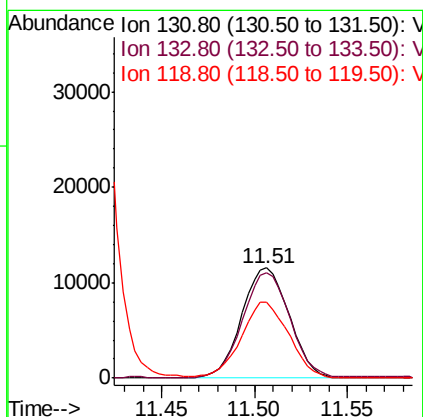
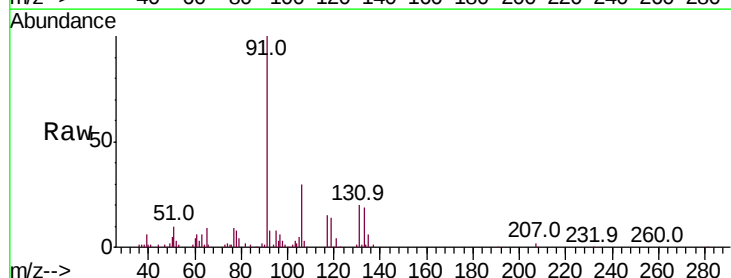
Instrument :
MSVOA_N
ClientSampleId :

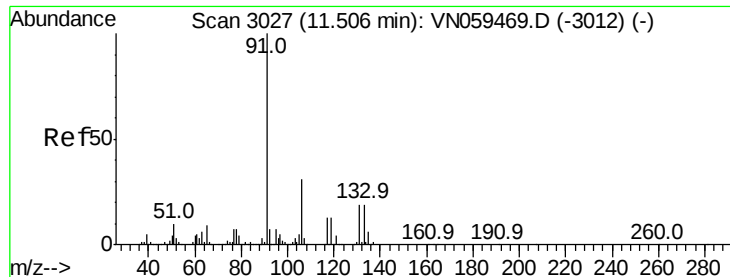
Tot Ion:112 Resp: 55727
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 5.545 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion:131 Resp: 20458
Ion Ratio Lower Upper
131 100
133 97.2 48.0 144.0
119 69.7 33.9 101.6





#67

Ethyl Benzene

Concen: 5.475 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

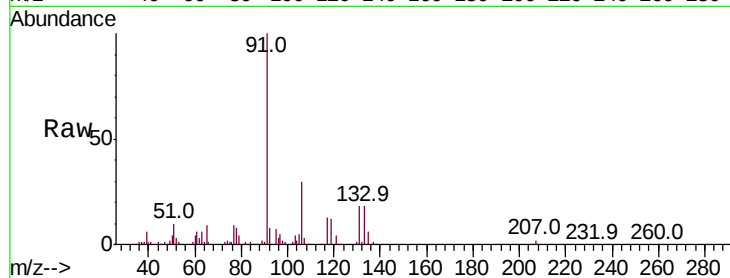
ClientSampled :

Tot Ion: 91 Resp: 97968

Ion Ratio Lower Upper

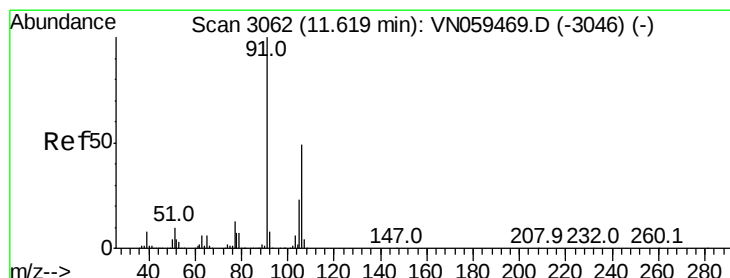
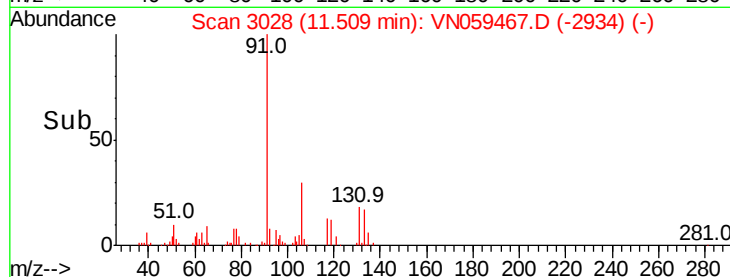
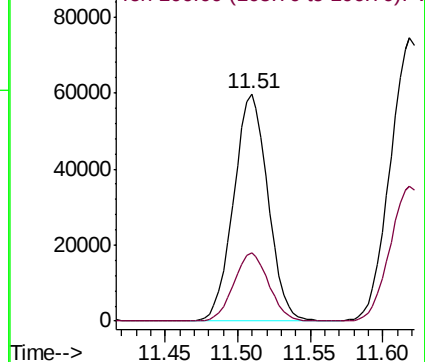
91 100

106 30.0 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.375 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059467.D

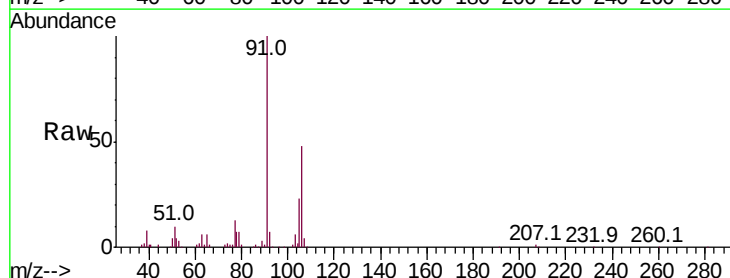
Acq: 3 Dec 2019 13:41

Tgt Ion: 106 Resp: 69481

Ion Ratio Lower Upper

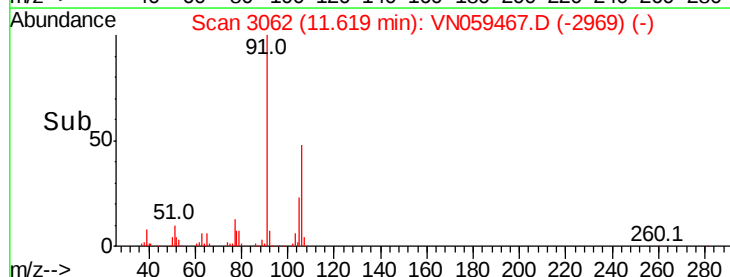
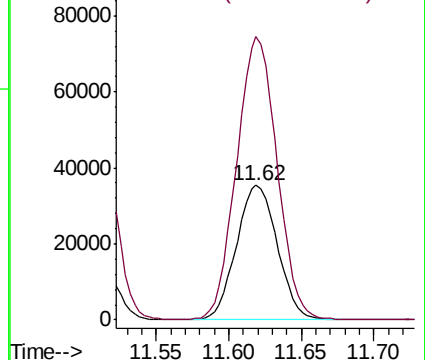
106 100

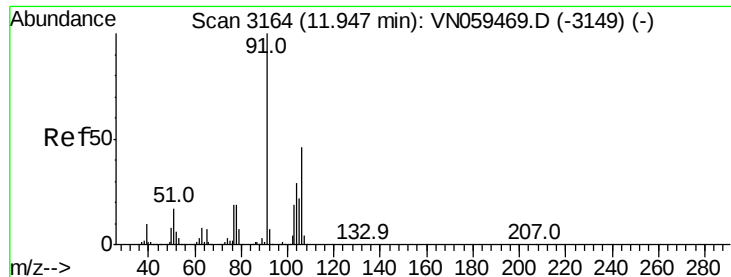
91 208.6 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

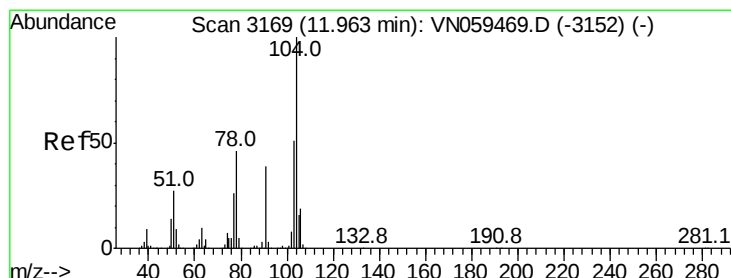
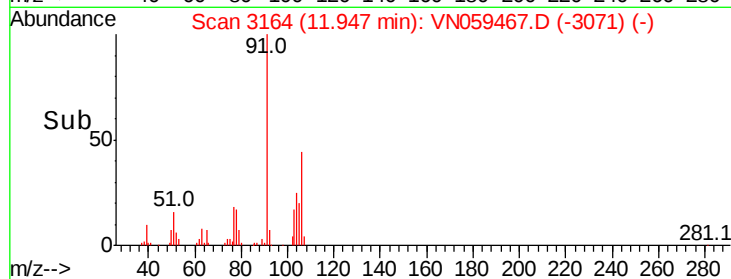
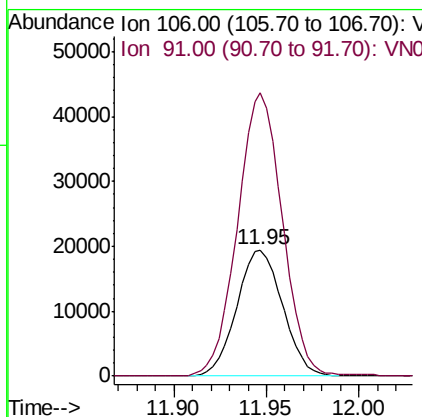
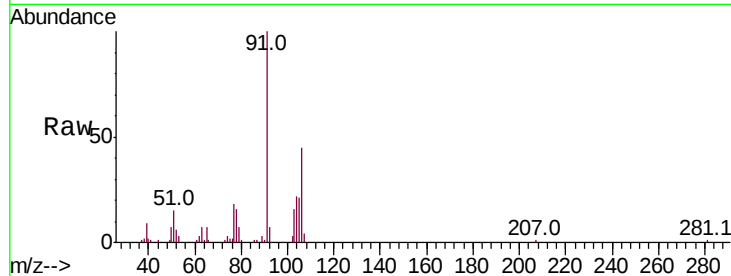




#69
o-Xylene
Concen: 5.224 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

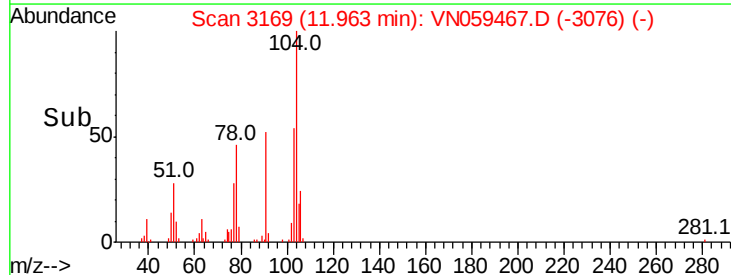
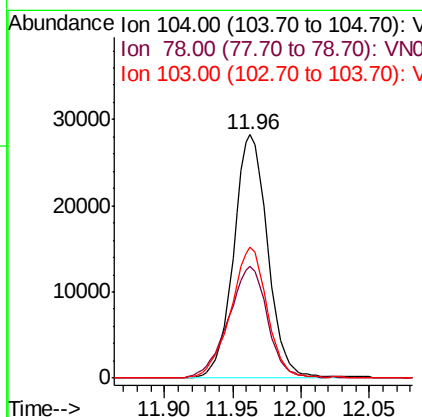
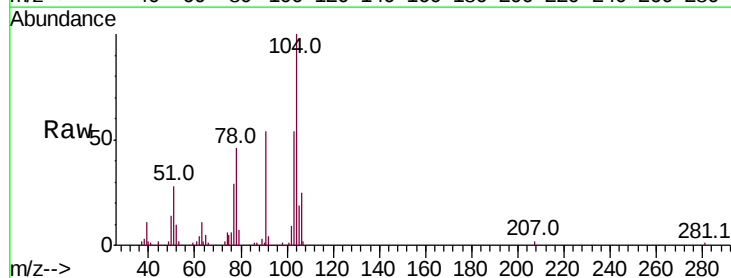
Instrument :
MSVOA_N
ClientSampled :

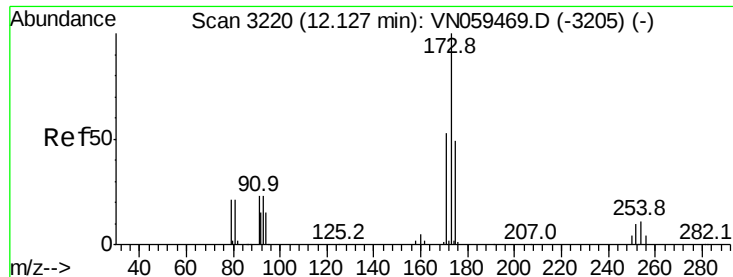
Tot Ion:106 Resp: 33412
Ion Ratio Lower Upper
106 100
91 220.5 108.5 325.3



#70
Styrene
Concen: 4.882 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion:104 Resp: 48964
Ion Ratio Lower Upper
104 100
78 52.4 41.0 61.4
103 57.3 44.7 67.1

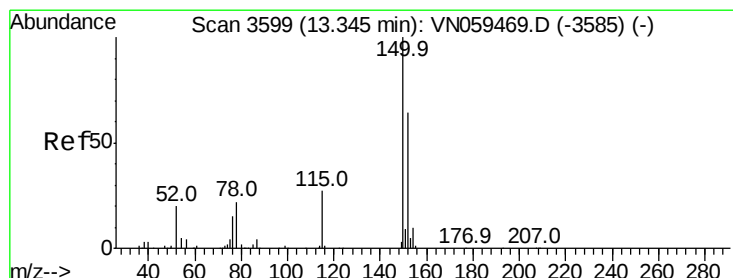
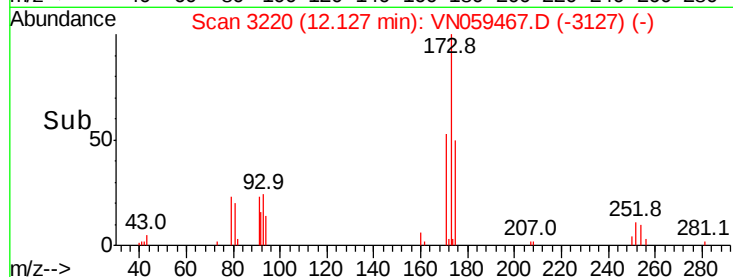
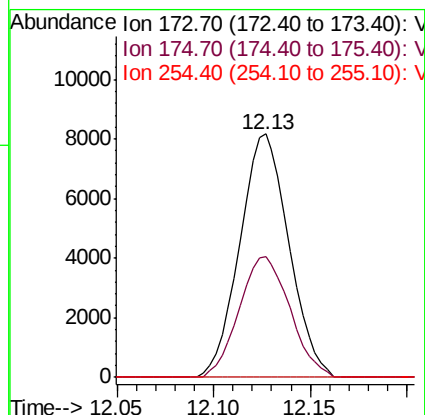
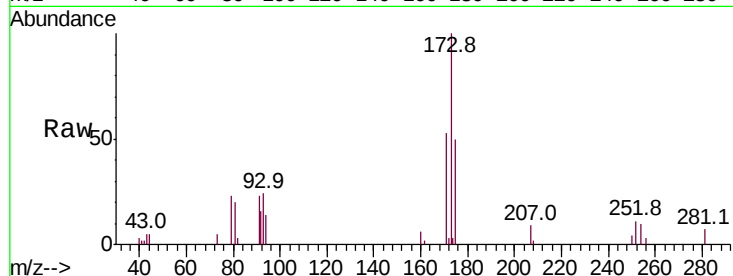




#71
Bromoform
Concen: 5.105 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

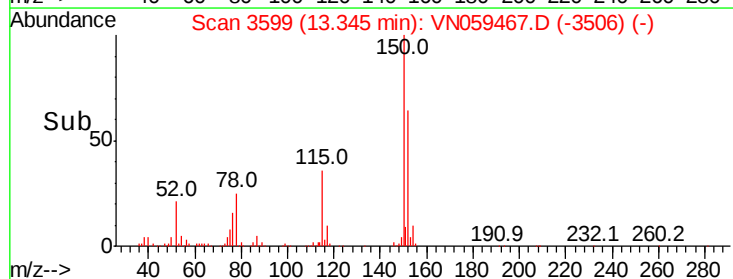
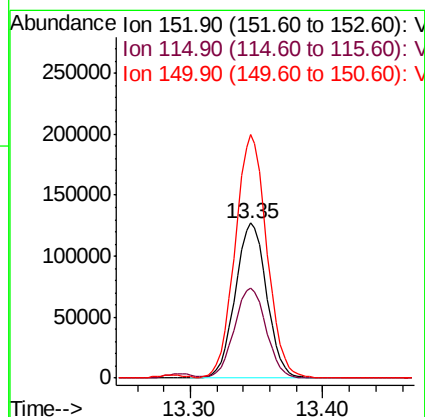
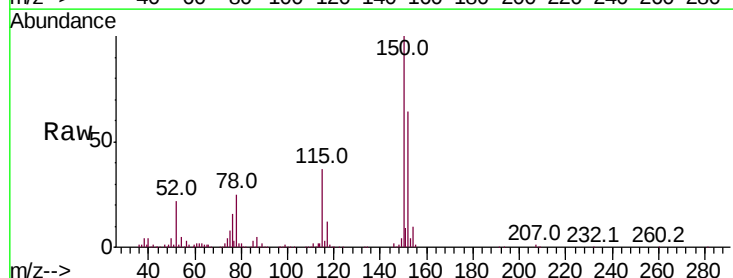
Instrument :
MSVOA_N
ClientSampled :

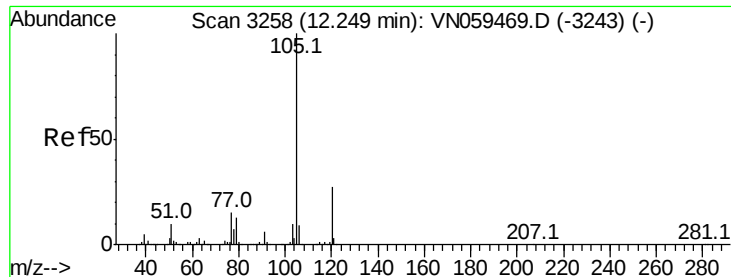
Tot Ion:173 Resp: 14413
Ion Ratio Lower Upper
173 100
175 51.3 24.3 73.0
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion:152 Resp: 209116
Ion Ratio Lower Upper
152 100
115 59.3 29.2 87.6
150 157.8 0.0 352.8





#73

Isopropylbenzene

Concen: 5.621 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

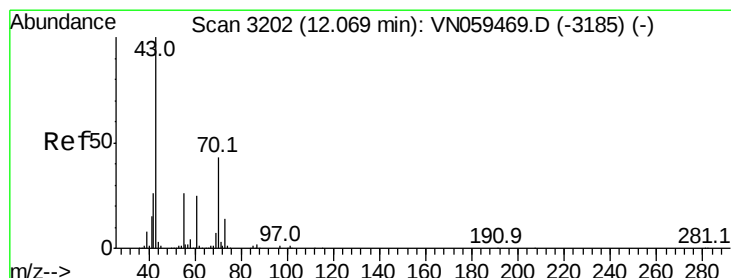
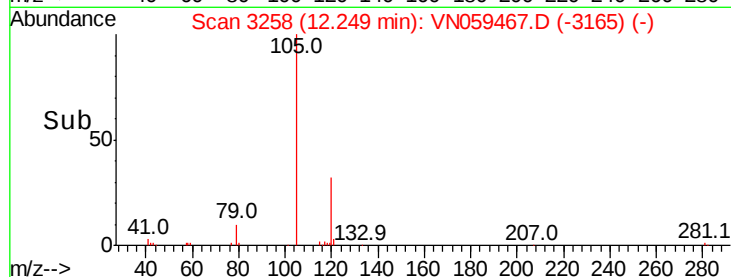
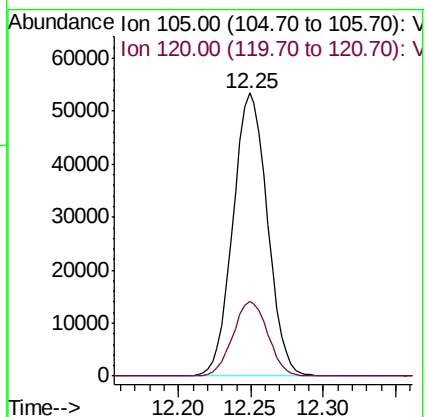
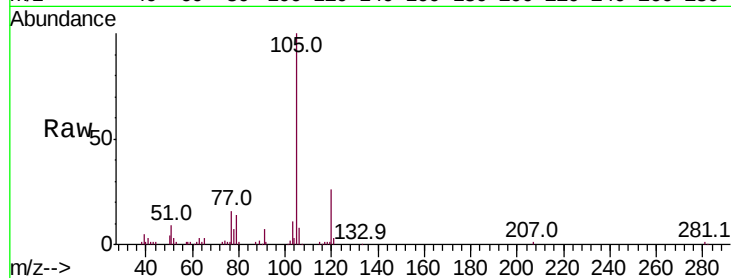
ClientSampleId :

Tot Ion:105 Resp: 88160

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 5.339 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion: 43 Resp: 31978

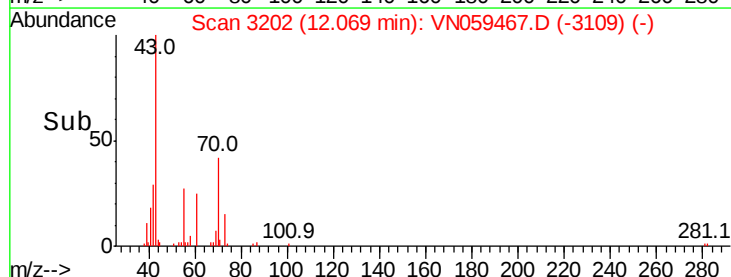
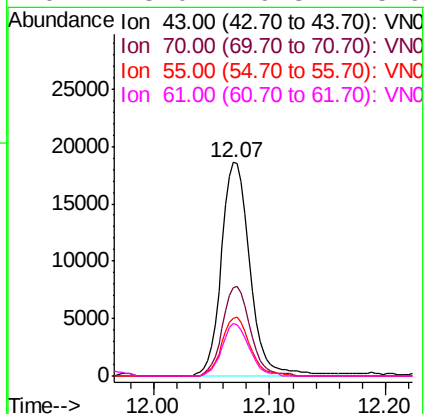
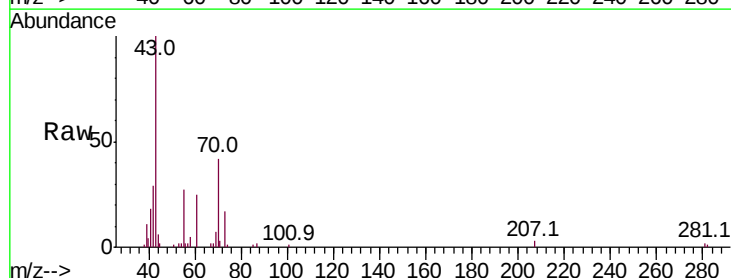
Ion Ratio Lower Upper

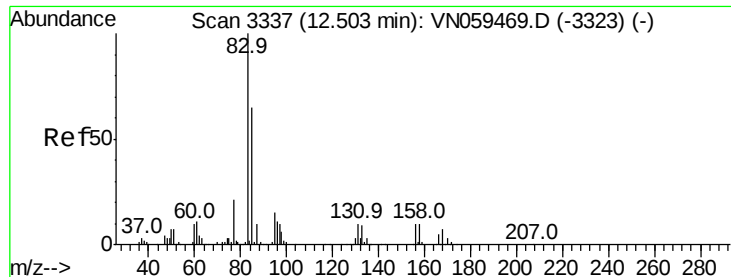
43 100

70 40.4 34.2 51.2

55 26.8 20.6 31.0

61 23.0 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 5.613 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

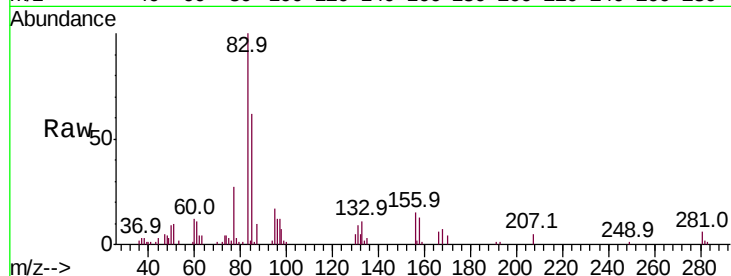
Tot Ion: 83 Resp: 28893

Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.7
85	65.2	32.2	96.6

83 100

131 10.0 4.9 14.7

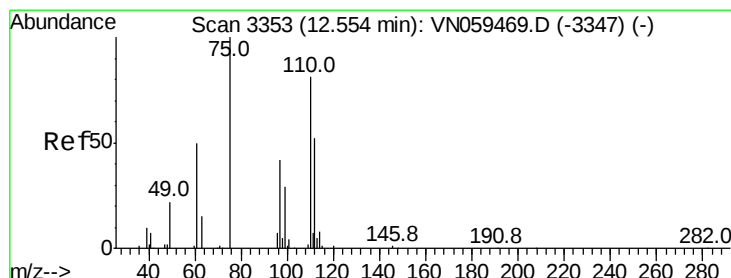
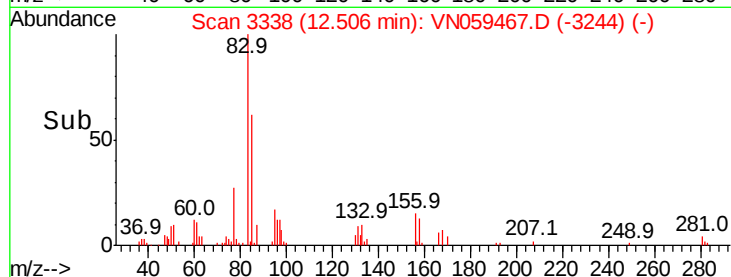
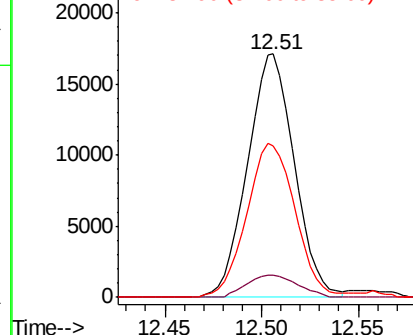
85 65.2 32.2 96.6



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: 8.071 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN059467.D

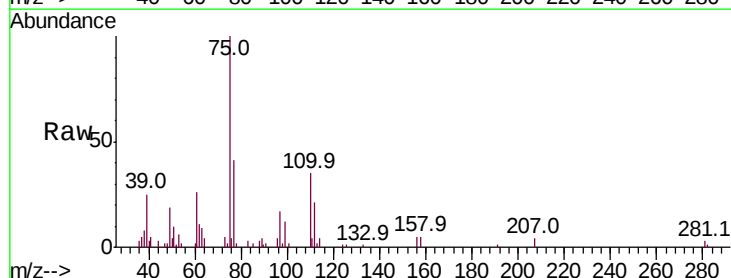
Acq: 3 Dec 2019 13:41

Tgt Ion: 75 Resp: 39224

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

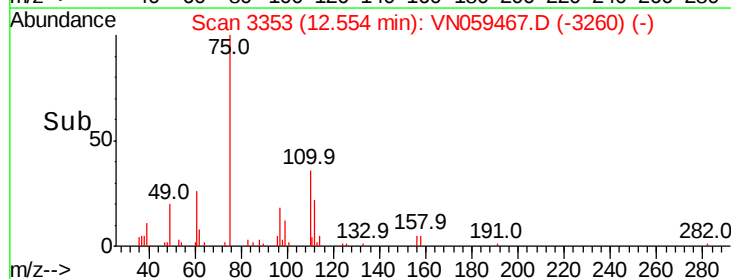
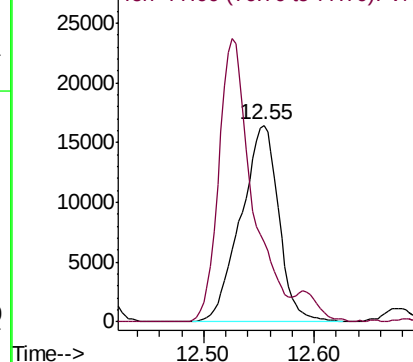
75 100

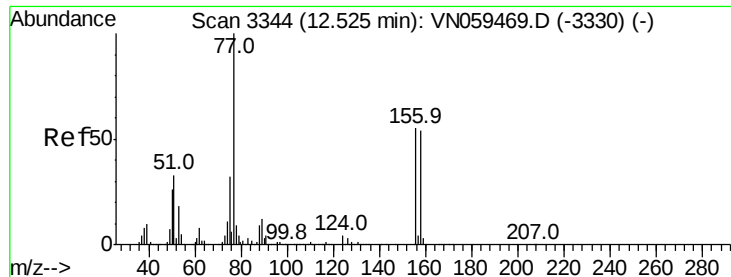
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 5.813 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

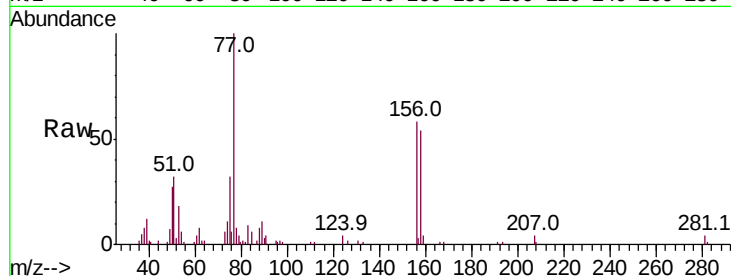
Tot Ion:156 Resp: 22314

Ion Ratio Lower Upper

156 100

77 221.7 110.3 331.0

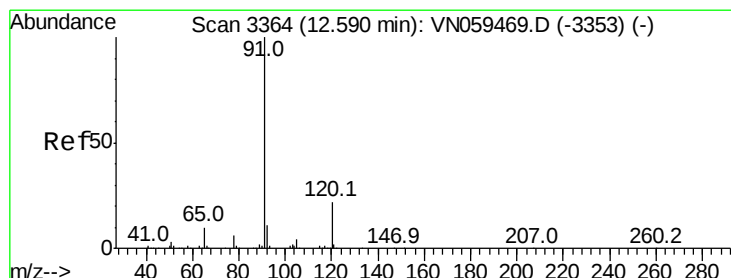
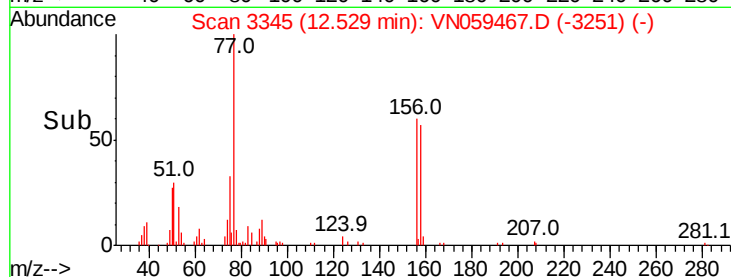
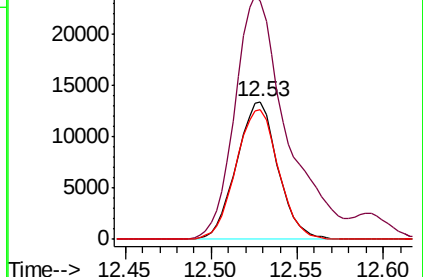
158 97.1 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.627 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059467.D

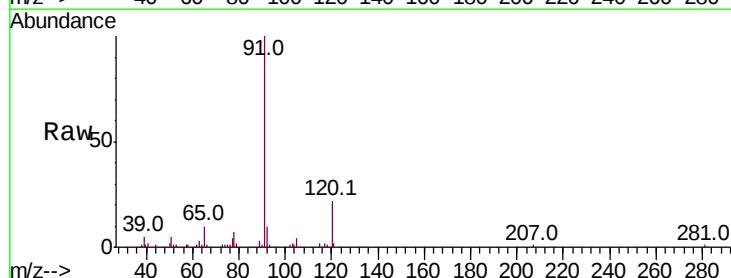
Acq: 3 Dec 2019 13:41

Tgt Ion: 91 Resp: 101966

Ion Ratio Lower Upper

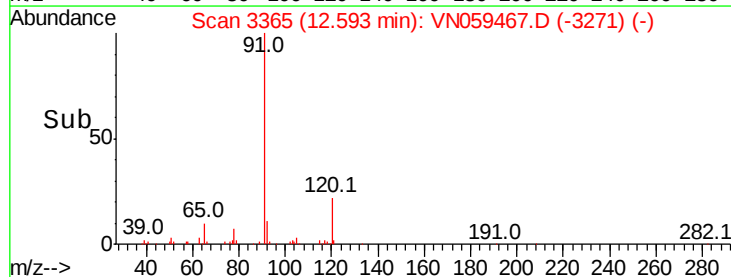
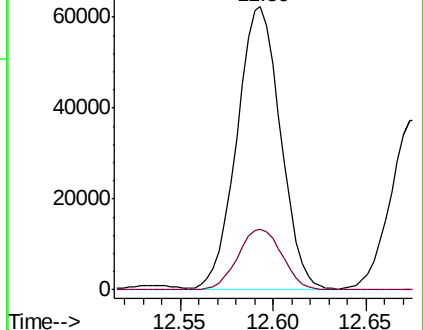
91 100

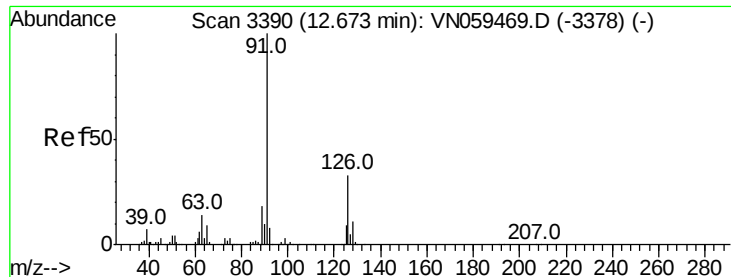
120 21.8 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.822 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

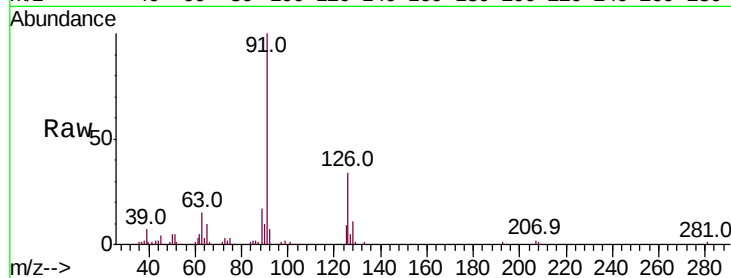
ClientSampleId :

Tot Ion: 91 Resp: 63015

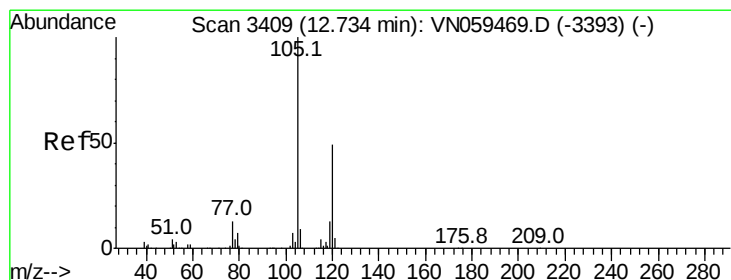
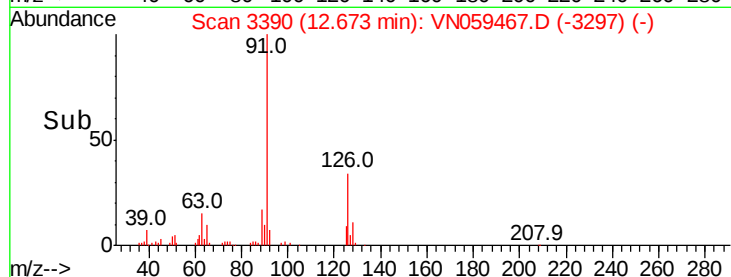
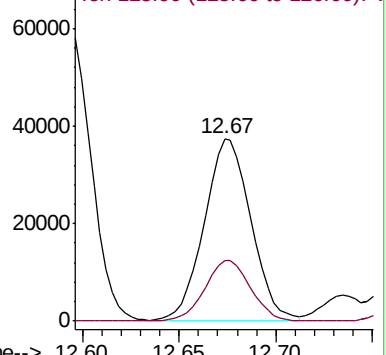
Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN059467.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.522 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059467.D

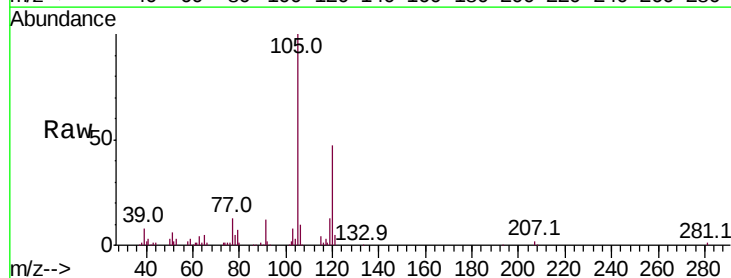
Acq: 3 Dec 2019 13:41

Tgt Ion:105 Resp: 72810

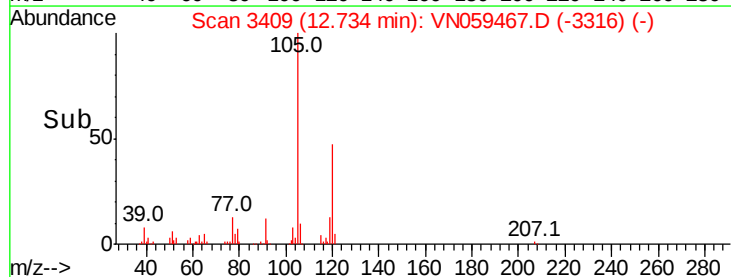
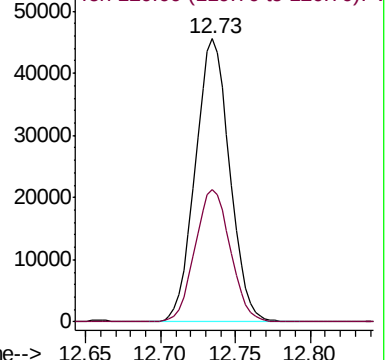
Ion Ratio Lower Upper

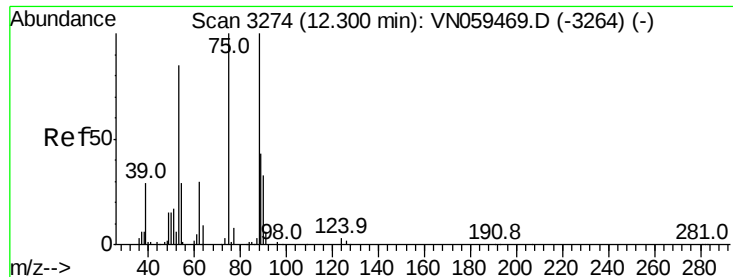
105 100

120 47.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059467.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 5.022 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

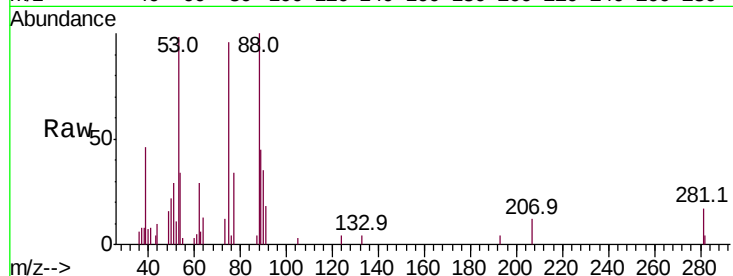
Tot Ion: 75 Resp: 9454

Ion Ratio Lower Upper

75 100

53 93.9 69.8 104.6

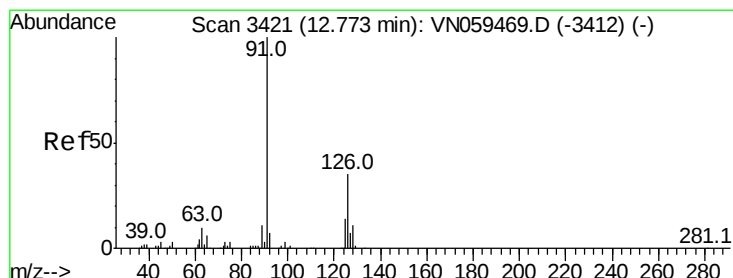
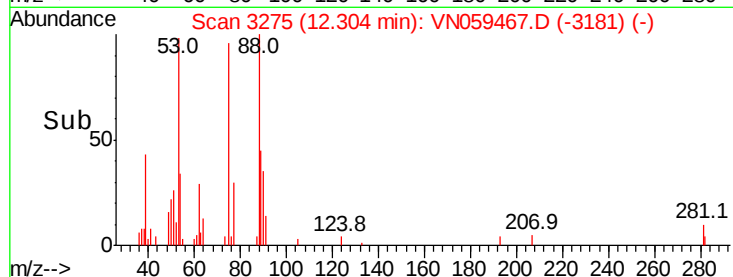
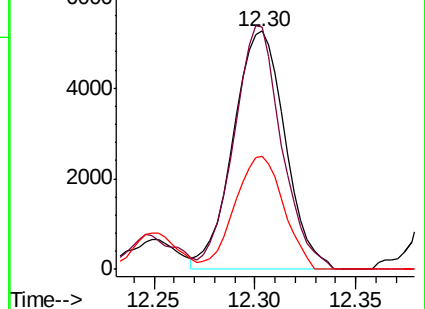
89 44.8 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.629 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059467.D

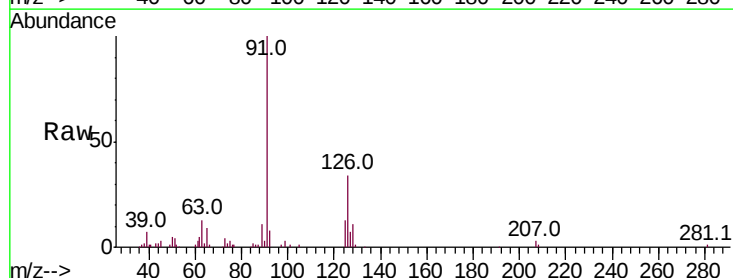
Acq: 3 Dec 2019 13:41

Tgt Ion: 91 Resp: 62760

Ion Ratio Lower Upper

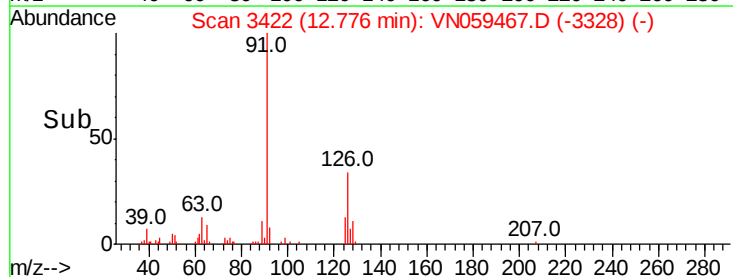
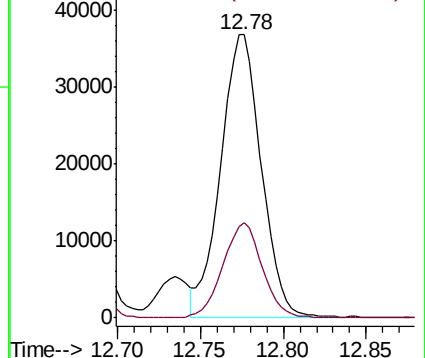
91 100

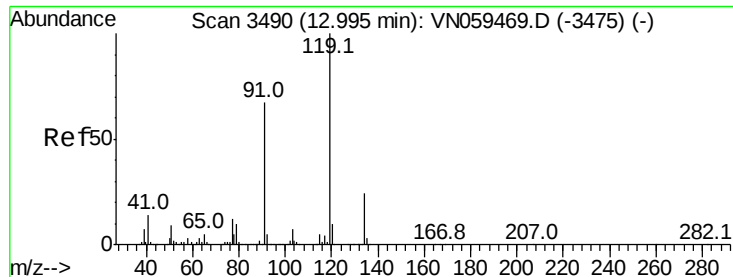
126 32.3 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

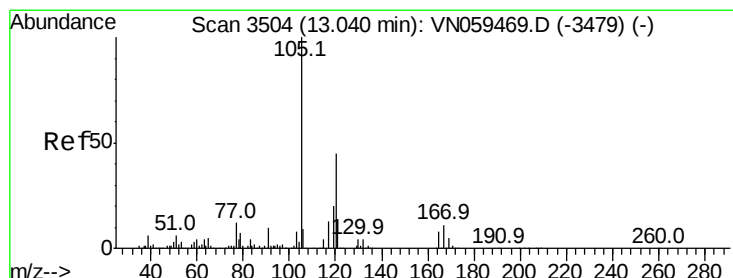
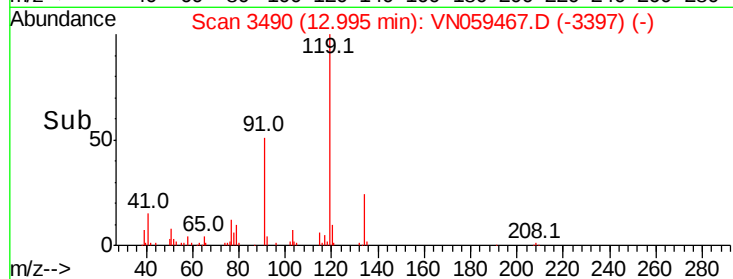
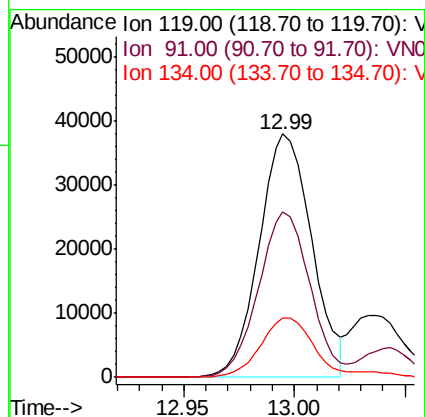
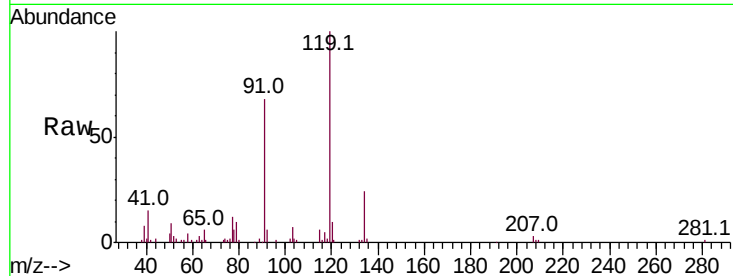




#83
tert-Butylbenzene
Concen: 5.532 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

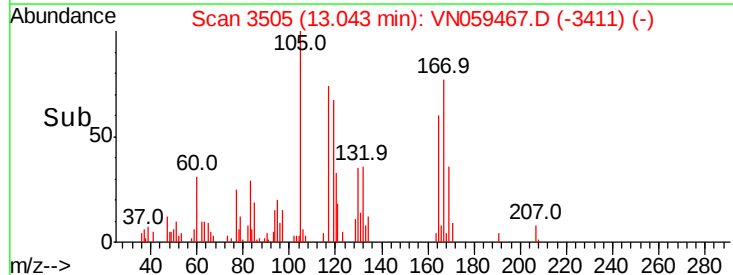
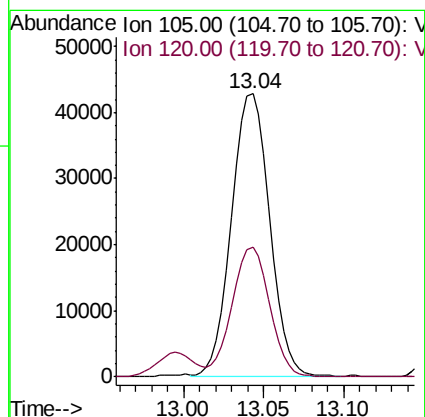
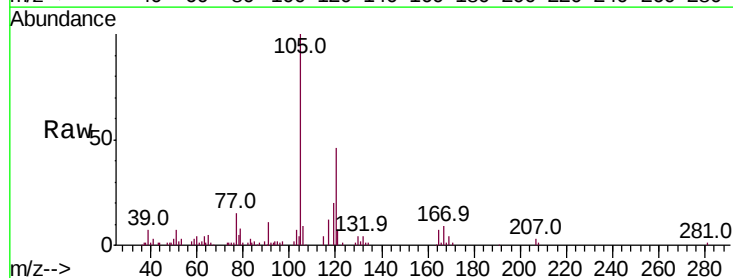
Instrument :
MSVOA_N
ClientSampleId :

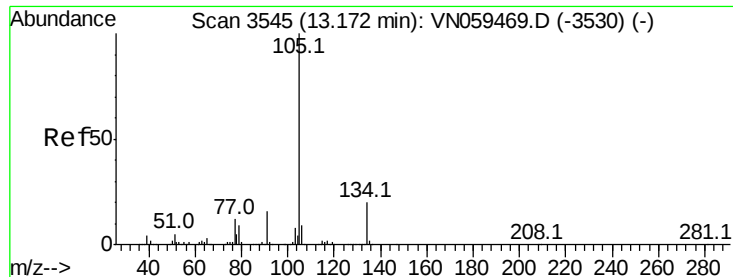
Tot Ion:119 Resp: 62821
Ion Ratio Lower Upper
119 100
91 66.9 32.6 97.7
134 24.6 12.6 37.6



#84
1,2,4-Trimethylbenzene
Concen: 5.400 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion:105 Resp: 69778
Ion Ratio Lower Upper
105 100
120 45.0 22.6 67.8





#85

sec-Butylbenzene

Concen: 5.586 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

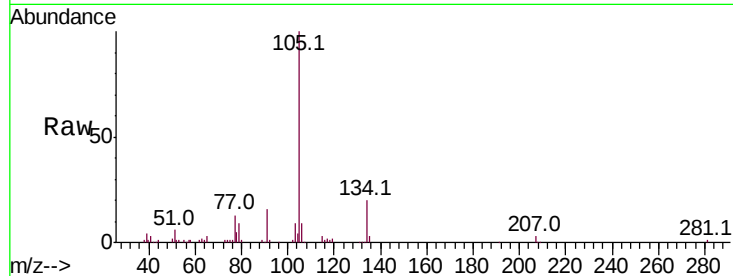
ClientSampled :

Tot Ion:105 Resp: 84127

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

60000

50000

40000

30000

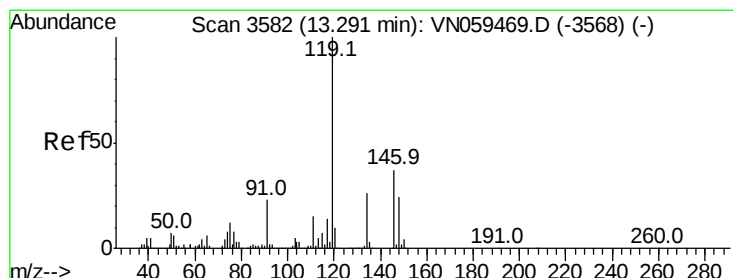
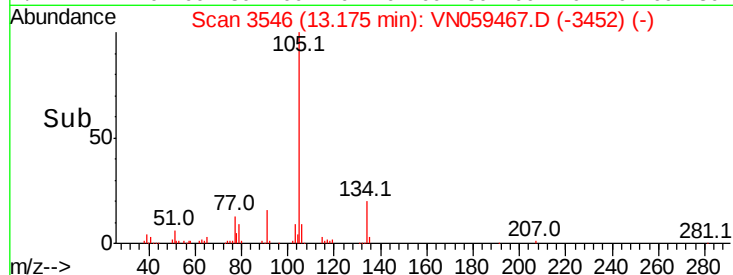
20000

10000

0

13.10 13.15 13.20

Time-->



#86

p-Isopropyltoluene

Concen: 5.335 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

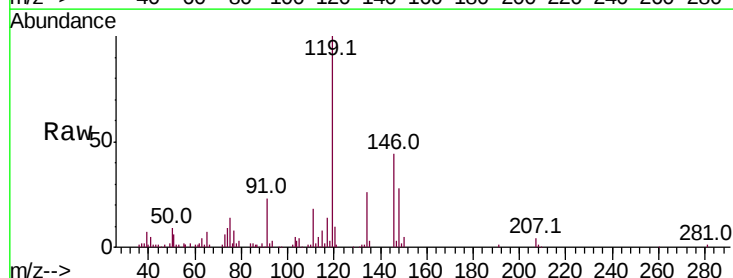
Tgt Ion:119 Resp: 72562

Ion Ratio Lower Upper

119 100

134 25.7 13.1 39.3

91 23.5 11.7 35.1



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

60000

50000

40000

30000

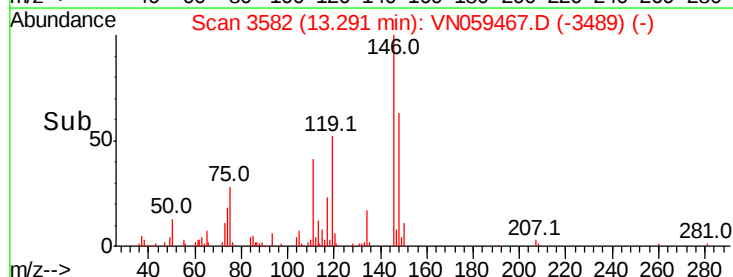
20000

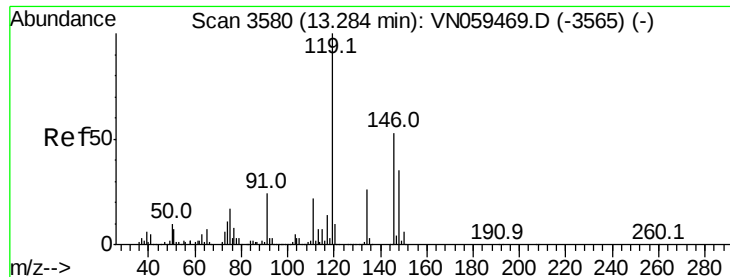
10000

0

13.25 13.30 13.35

Time-->

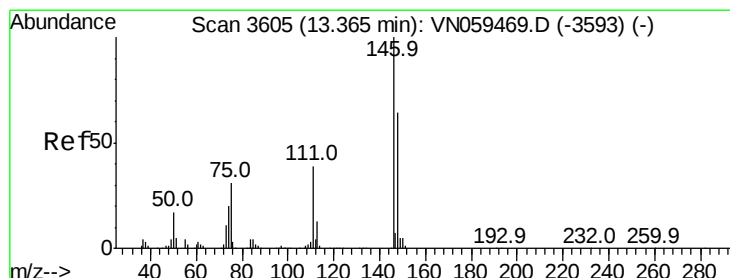
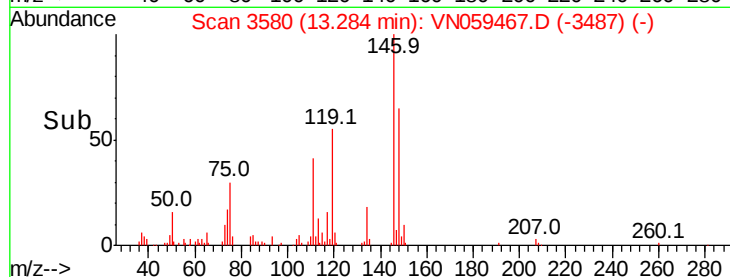
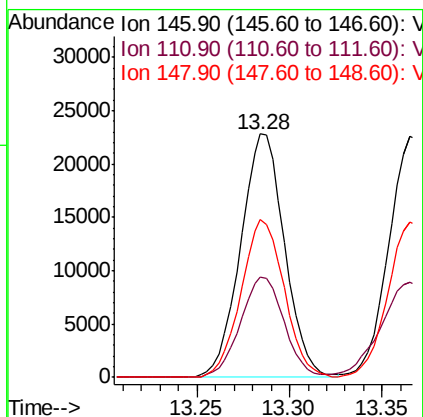
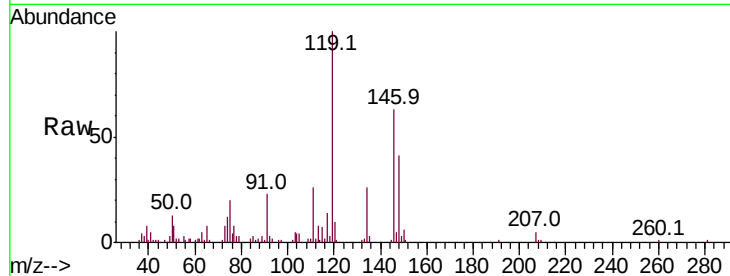




#87
 1,3-Dichlorobenzene
 Concen: 5.530 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

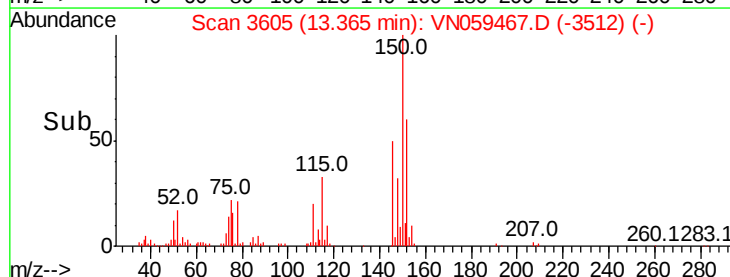
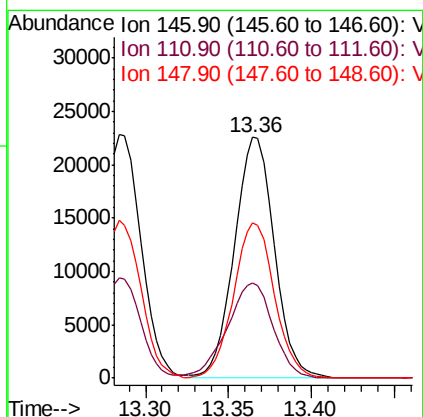
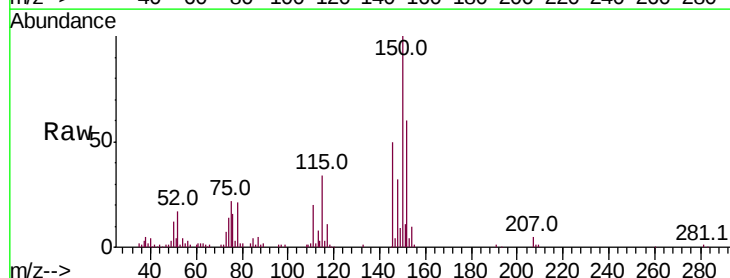
Instrument :
 MSVOA_N
 ClientSampled :

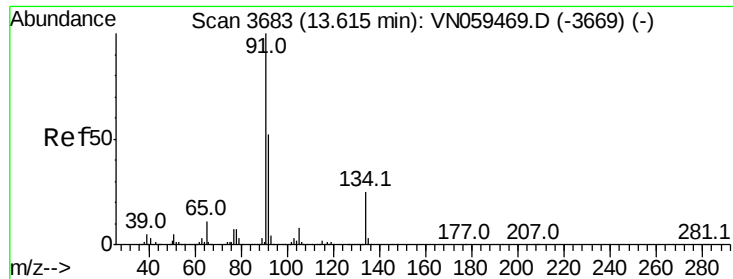
Tot Ion:146 Resp: 37595
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.4 61.3
 148 63.7 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 5.544 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion:146 Resp: 37897
 Ion Ratio Lower Upper
 146 100
 111 45.5 19.8 59.3
 148 65.9 32.0 96.0

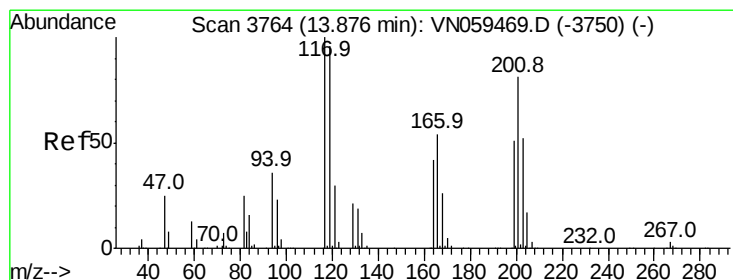
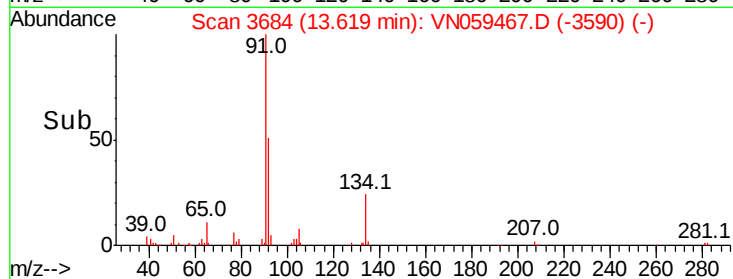
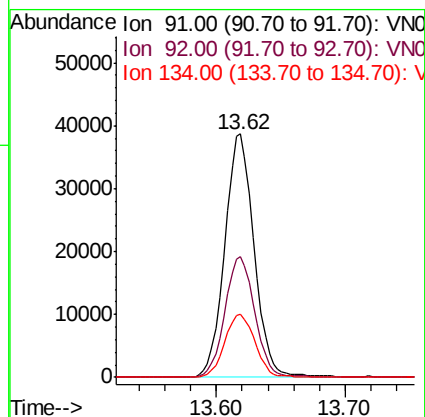
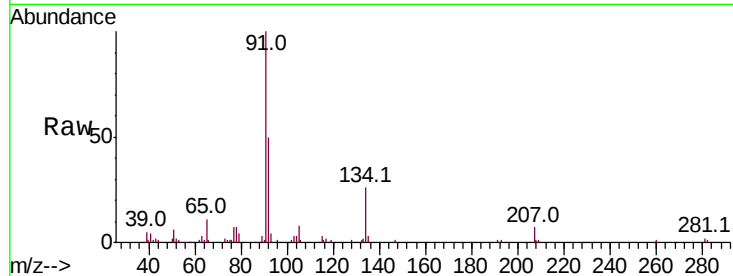




#89
n-Butylbenzene
Concen: 5.115 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

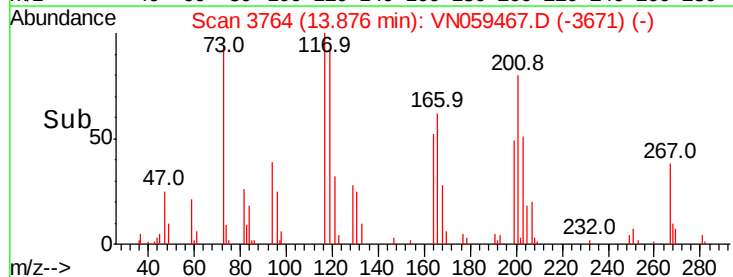
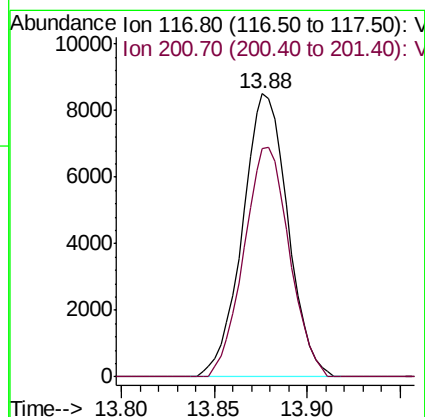
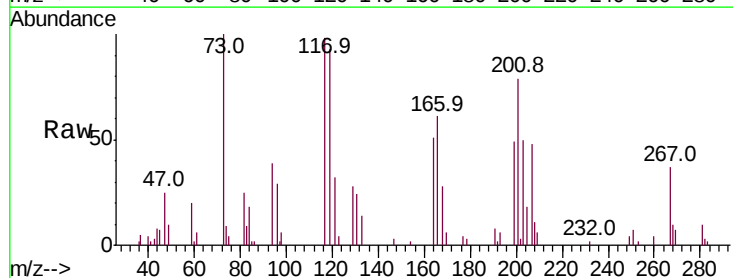
Instrument :
MSVOA_N
ClientSampled :

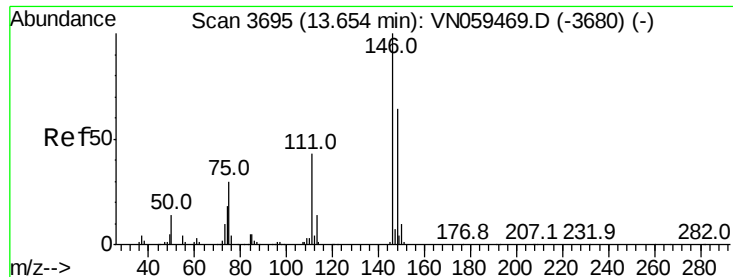
Tot Ion: 91 Resp: 60910
Ion Ratio Lower Upper
91 100
92 50.6 25.9 77.8
134 26.6 12.6 37.6



#90
Hexachloroethane
Concen: 5.573 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059467.D
Acq: 3 Dec 2019 13:41

Tgt Ion: 117 Resp: 14519
Ion Ratio Lower Upper
117 100
201 81.0 40.6 122.0





#91

1,2-Dichlorobenzene

Concen: 5.515 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059467.D

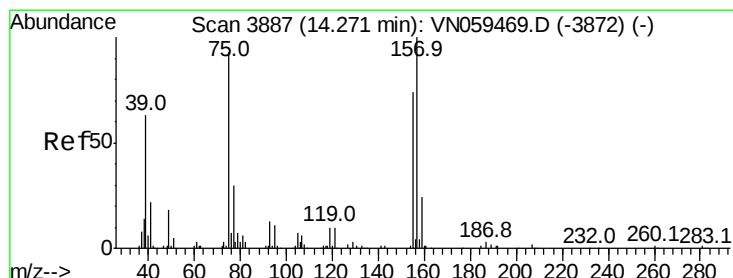
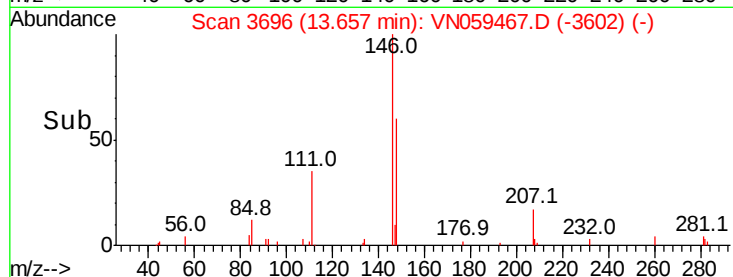
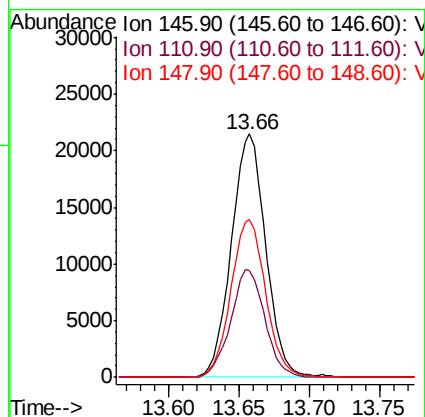
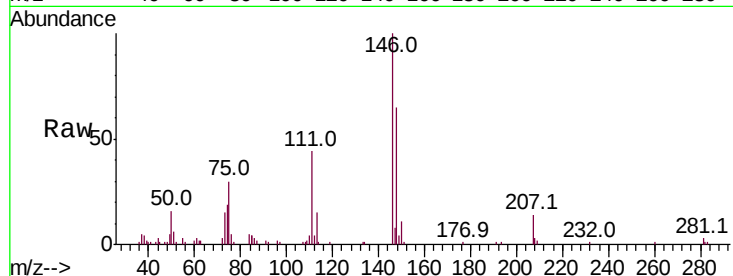
Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	36743
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.3	63.7
148	64.9	32.2	96.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.834 ug/l

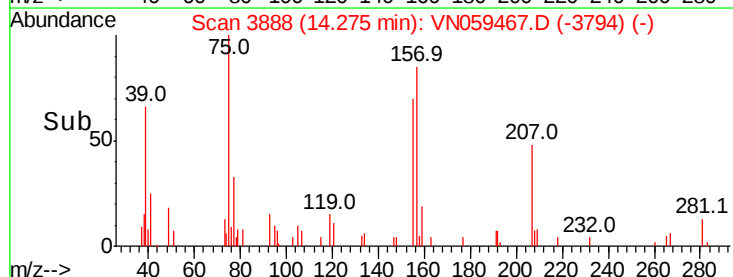
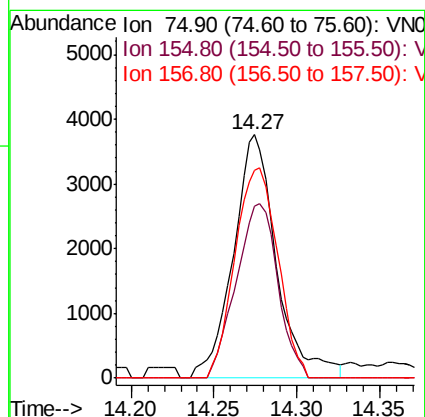
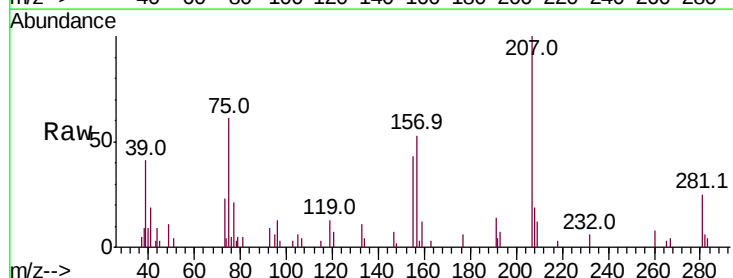
RT: 14.27 min Scan# 3888

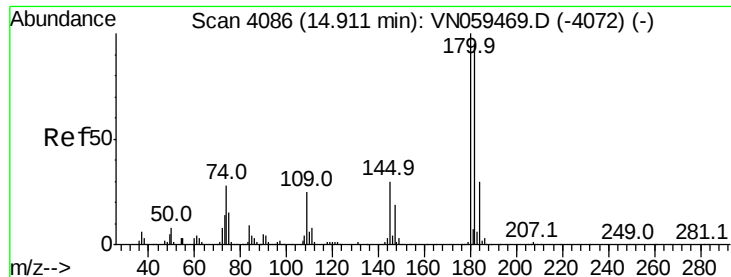
Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Tgt Ion:	75	Resp:	6821
Ion	Ratio	Lower	Upper
75	100		
155	68.7	40.6	122.0
157	85.2	52.9	158.7

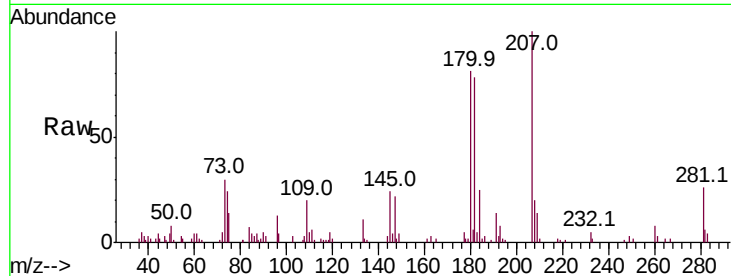




#93
 1,2,4-Trichlorobenzene
 Concen: 4.742 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.0	144.2
145	30.3	15.2	45.6

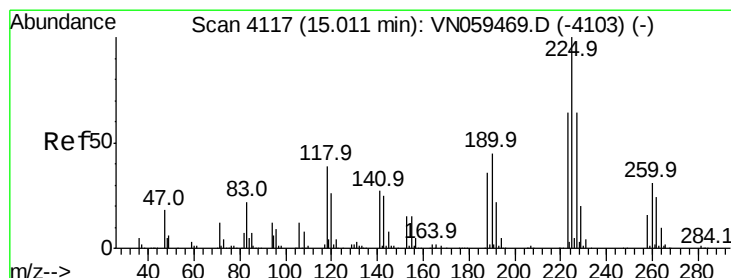
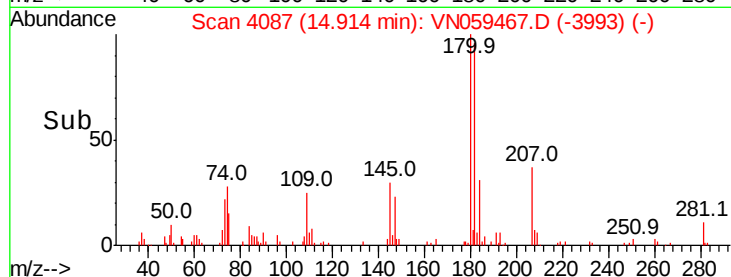
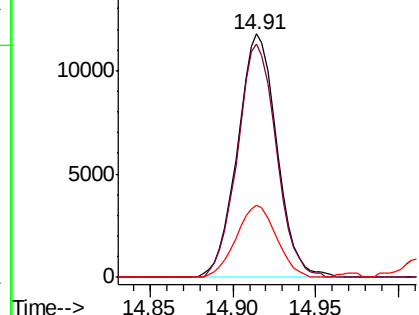


Abundance

Ion 179.80 (179.50 to 180.50): V

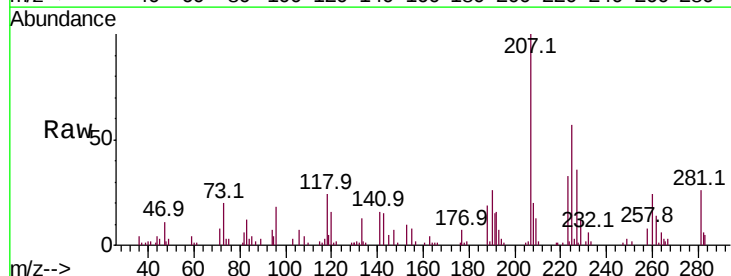
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 5.894 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059467.D
 Acq: 3 Dec 2019 13:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.9	95.5
227	65.6	32.0	96.2

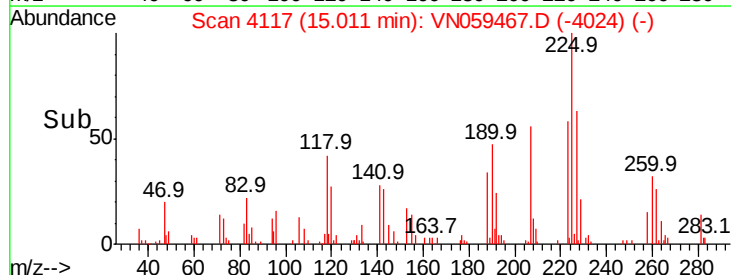
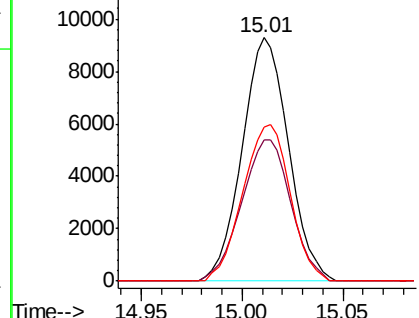


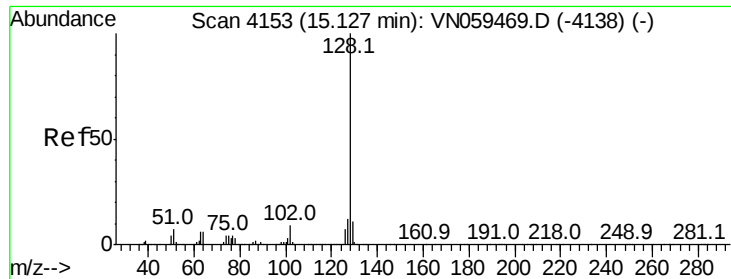
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 4.257 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

Instrument :

MSVOA_N

ClientSampleId :

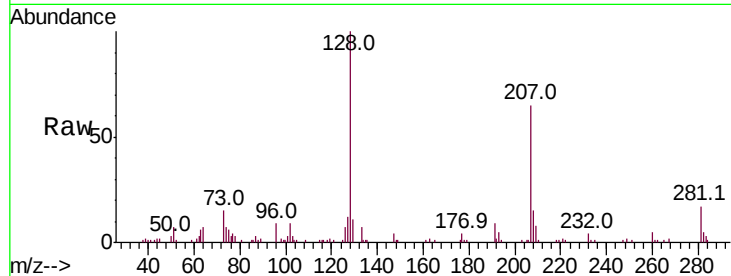
Tot Ion:128 Resp: 49747

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

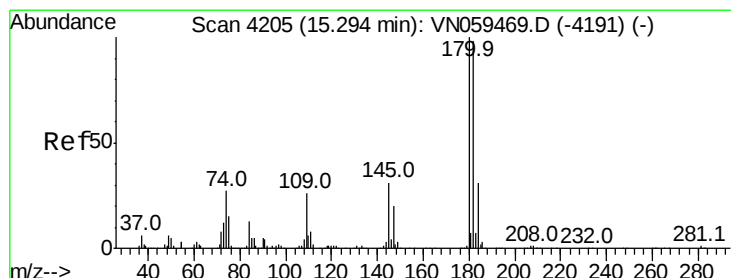
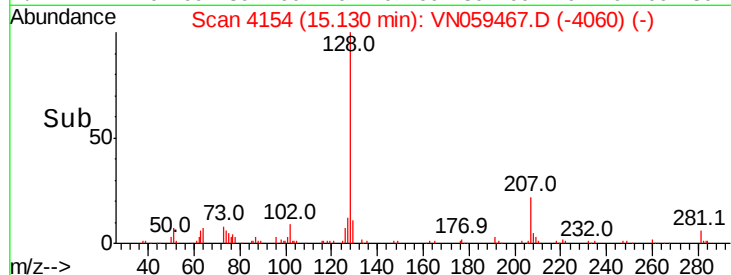
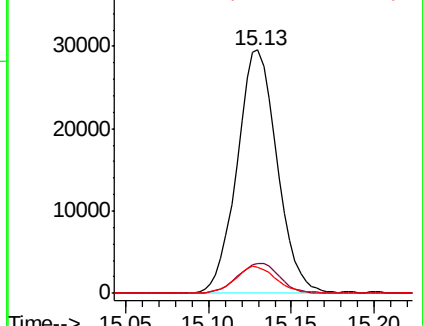
129 11.2 8.8 13.2



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: 4.773 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN059467.D

Acq: 3 Dec 2019 13:41

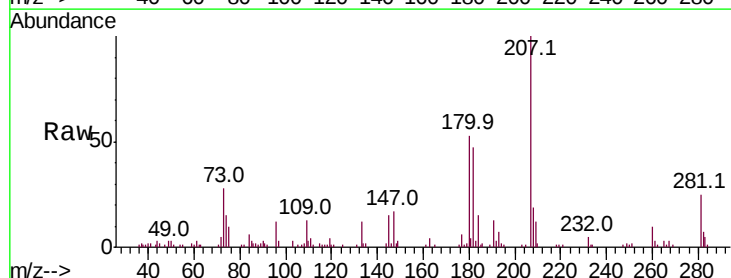
Tgt Ion:180 Resp: 20832

Ion Ratio Lower Upper

180 100

182 94.4 48.5 145.5

145 32.2 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

