

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059027.D
 Acq On : 31 Oct 2019 10:11
 Operator : JC/SP
 Sample : VN1031WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	394284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	625186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	572680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267093	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	274457	47.46	ug/l	0.00
Spiked Amount			Recovery	=	94.92%	
35) Dibromofluoromethane	7.57	113	206146	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
50) Toluene-d8	10.08	98	761426	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
62) 4-Bromofluorobenzene	12.40	95	284020	48.47	ug/l	0.00
Spiked Amount			Recovery	=	96.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	87685	17.837	ug/l	99
3) Chloromethane	2.04	50	111471	18.309	ug/l	97
4) Vinyl Chloride	2.17	62	116459	19.265	ug/l	97
5) Bromomethane	2.54	94	65950	17.421	ug/l	99
6) Chloroethane	2.68	64	71844	18.532	ug/l	97
7) Trichlorofluoromethane	3.00	101	142925	19.108	ug/l	99
8) Diethyl Ether	3.39	74	55517	21.478	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	83192	20.062	ug/l	98
10) Methyl Iodide	3.93	142	97407	17.860	ug/l	98
11) Tert butyl alcohol	4.75	59	106111	110.575	ug/l	99
12) 1,1-Dichloroethene	3.71	96	77910	20.044	ug/l	98
13) Acrolein	3.59	56	40462	61.365	ug/l	95
14) Allyl chloride	4.30	41	163036	20.729	ug/l	95
15) Acrylonitrile	4.96	53	274830	113.855	ug/l	99
16) Acetone	3.79	43	313014	109.541	ug/l	98
17) Carbon Disulfide	4.03	76	215055	17.176	ug/l	99
18) Methyl Acetate	4.30	43	148037	22.787	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	296775	21.805	ug/l	97
20) Methylene Chloride	4.53	84	96827	19.845	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	87231	20.322	ug/l	94
22) Diisopropyl ether	5.93	45	333483	21.677	ug/l	97
23) Vinyl Acetate	5.87	43	1363086	110.281	ug/l	99
24) 1,1-Dichloroethane	5.82	63	181868	20.388	ug/l	100
25) 2-Butanone	6.81	43	399868	107.800	ug/l	98
26) 2,2-Dichloropropane	6.80	77	158362	20.524	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	101497	20.699	ug/l	98
28) Bromochloromethane	7.17	49	57353	19.305	ug/l	99
29) Tetrahydrofuran	7.19	42	252310	111.192	ug/l	99
30) Chloroform	7.35	83	177653	19.854	ug/l	100
31) Cyclohexane	7.63	56	157020	18.894	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	150929	20.011	ug/l	98
36) 1,1-Dichloropropene	7.77	75	126570	19.775	ug/l	99
37) Ethyl Acetate	6.90	43	155996	22.368	ug/l	99
38) Carbon Tetrachloride	7.75	117	129192	19.593	ug/l	97

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:08:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139136	19.360	ug/l	100
40) Benzene	8.02	78	392145	20.864	ug/l	99
41) Methacrylonitrile	7.15	41	67421	21.705	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	144548	19.965	ug/l	100
43) Isopropyl Acetate	8.15	43	239362	21.400	ug/l	99
44) Trichloroethene	8.82	130	96480	21.073	ug/l	97
45) 1,2-Dichloropropane	9.11	63	109947	21.333	ug/l	98
46) Dibromomethane	9.20	93	66055	20.273	ug/l	98
47) Bromodichloromethane	9.39	83	140338	20.898	ug/l	99
48) Methyl methacrylate	9.19	41	107273	21.139	ug/l	97
49) 1,4-Dioxane	9.19	88	38614	463.525	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	768473	117.627	ug/l	99
52) Toluene	10.15	92	236153	21.187	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	154463	20.778	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	165327	20.816	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	96941	21.113	ug/l	98
56) Ethyl methacrylate	10.43	69	146450	20.289	ug/l	97
57) 1,3-Dichloropropane	10.70	76	169847	21.076	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	307284	97.874	ug/l	99
59) 2-Hexanone	10.75	43	577176	114.329	ug/l	98
60) Dibromochloromethane	10.90	129	104013	21.046	ug/l	99
61) 1,2-Dibromoethane	11.00	107	98181	20.894	ug/l	99
64) Tetrachloroethene	10.63	164	81784	20.392	ug/l	97
65) Chlorobenzene	11.43	112	247590	21.236	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	95562	21.721	ug/l	100
67) Ethyl Benzene	11.51	91	448736	21.940	ug/l	98
68) m/p-Xylenes	11.62	106	324396	42.769	ug/l	98
69) o-Xylene	11.95	106	155769	21.533	ug/l	98
70) Styrene	11.97	104	254033	20.087	ug/l	99
71) Bromoform	12.13	173	72539	21.262	ug/l #	100
73) Isopropylbenzene	12.25	105	427101	21.881	ug/l	99
74) N-amyl acetate	12.07	43	192983	21.808	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	152314	22.192	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	201271	32.515	ug/l #	100
77) Bromobenzene	12.53	156	104332	21.685	ug/l	97
78) n-propylbenzene	12.60	91	499003	21.627	ug/l	100
79) 2-Chlorotoluene	12.68	91	303494	21.492	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	362484	22.103	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50687	21.331	ug/l	97
82) 4-Chlorotoluene	12.78	91	306367	21.230	ug/l	99
83) tert-Butylbenzene	13.00	119	306947	21.887	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	363276	22.458	ug/l	100
85) sec-Butylbenzene	13.18	105	416865	22.295	ug/l	99
86) p-Isopropyltoluene	13.29	119	368463	22.334	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	180349	20.964	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	180198	20.921	ug/l	99
89) n-Butylbenzene	13.62	91	314896	20.778	ug/l	99
90) Hexachloroethane	13.88	117	70891	21.206	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	182914	21.633	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	31940	20.575	ug/l	98

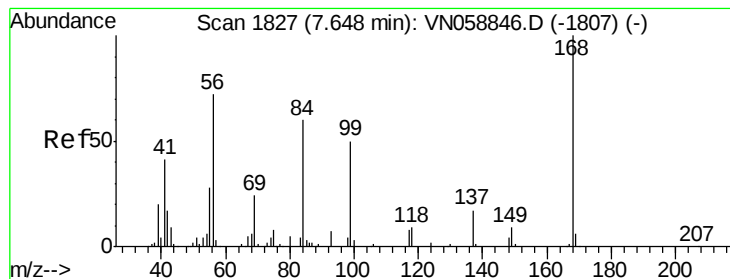
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
Data File : VN059027.D
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Instrument :
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Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	94178	19.322	ug/l	99
94) Hexachlorobutadiene	15.02	225	58661	21.405	ug/l	96
95) Naphthalene	15.13	128	257738	18.322	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	96597	20.143	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

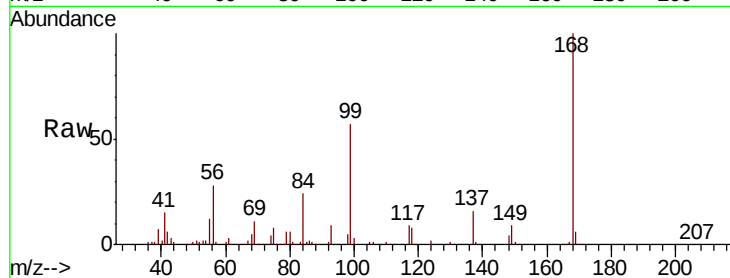
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 394284

Ion Ratio Lower Upper

168 100

99 56.5 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

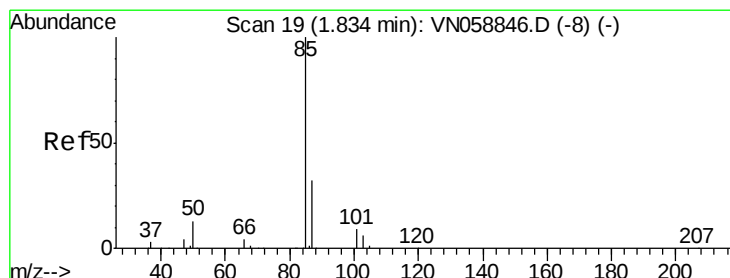
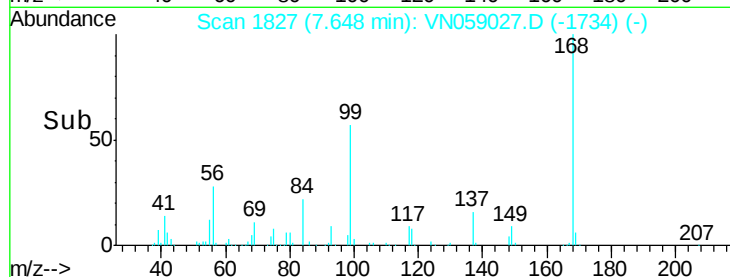
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 17.837 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059027.D

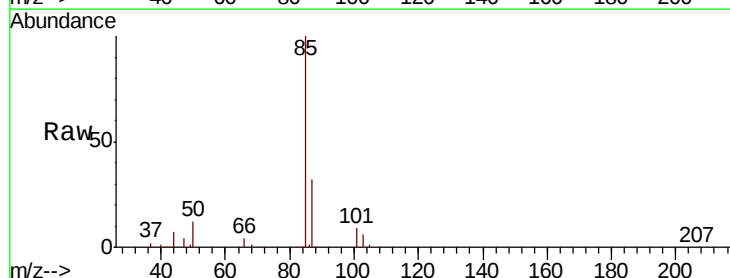
Acq: 31 Oct 2019 10:11

Tgt Ion: 85 Resp: 87685

Ion Ratio Lower Upper

85 100

87 31.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

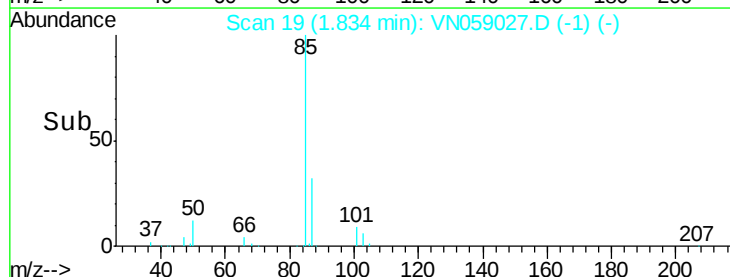
40000

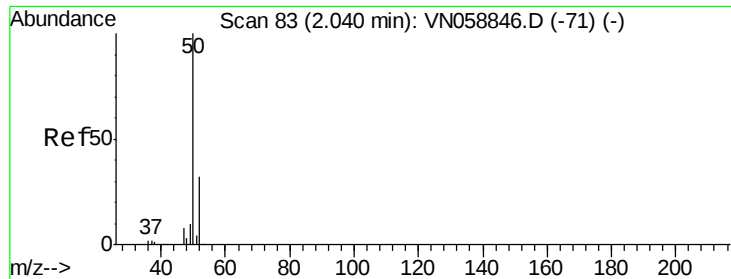
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.309 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

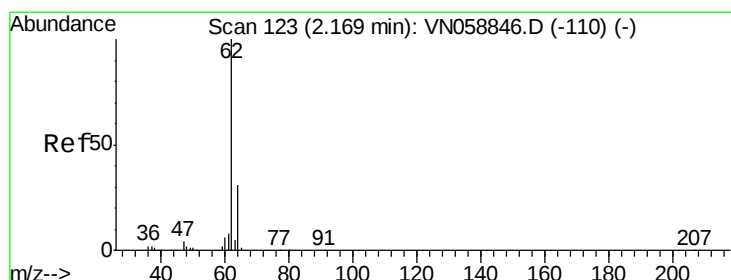
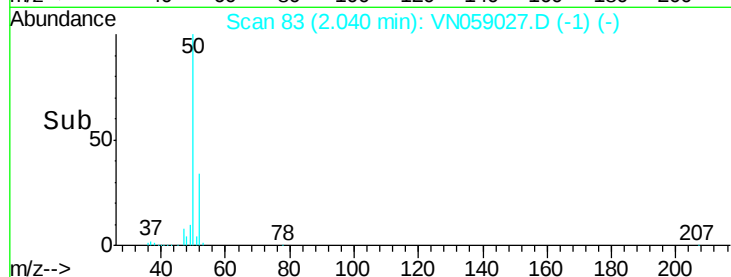
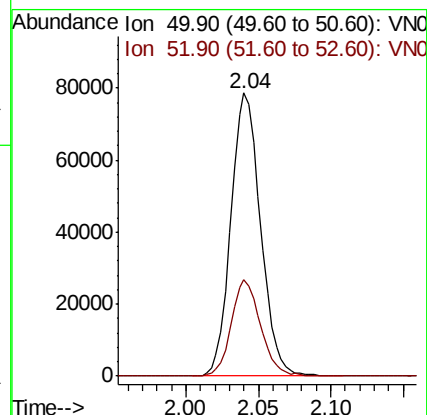
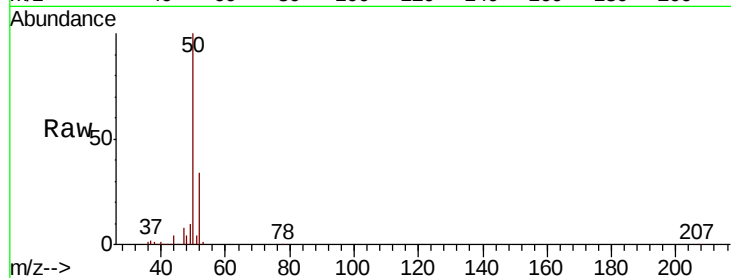
ClientSampleId :

Tot Ion: 50 Resp: 111471

Ion Ratio Lower Upper

50 100

52 34.0 25.7 38.5



#4

Vinyl Chloride

Concen: 19.265 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059027.D

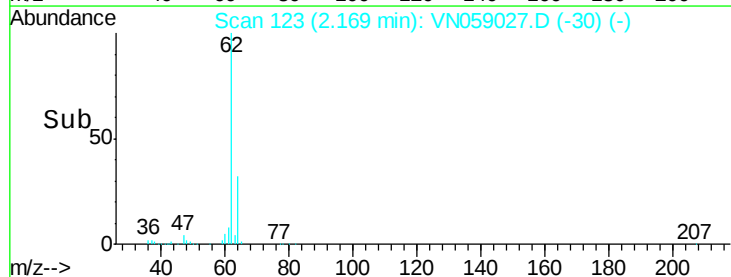
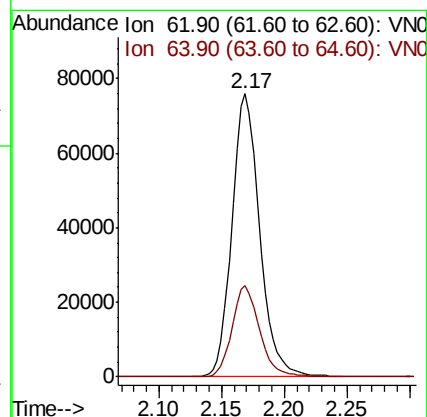
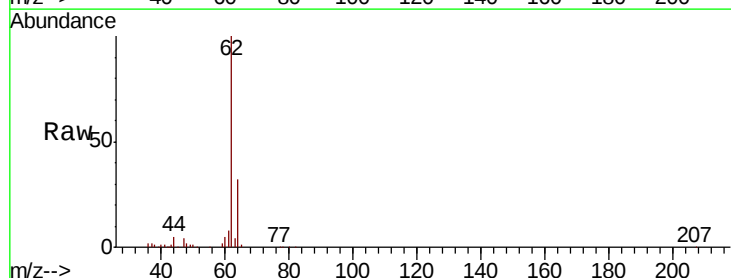
Acq: 31 Oct 2019 10:11

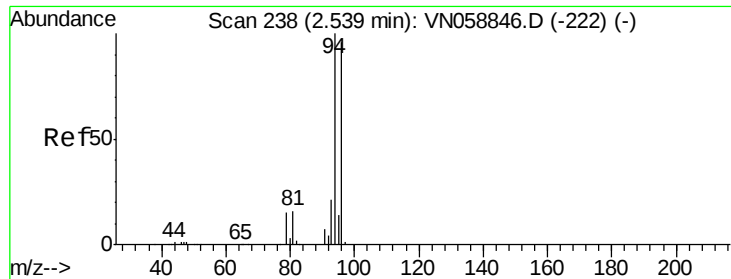
Tgt Ion: 62 Resp: 116459

Ion Ratio Lower Upper

62 100

64 32.2 24.6 36.8





#5

Bromomethane

Concen: 17.421 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

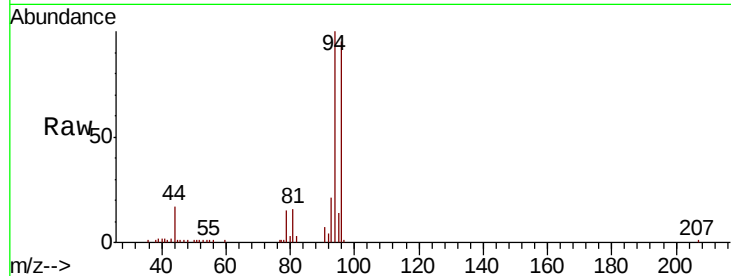
ClientSampleId :

Tot Ion: 94 Resp: 65950

Ion Ratio Lower Upper

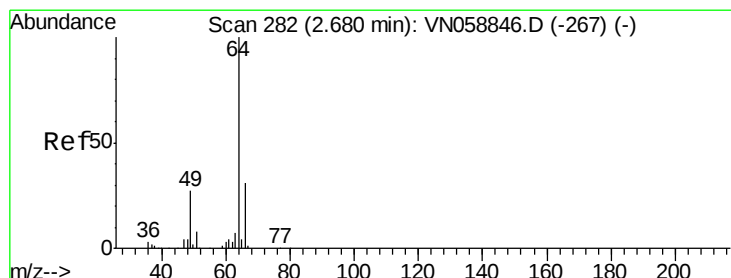
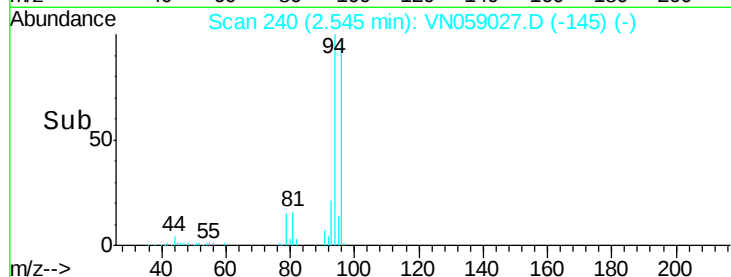
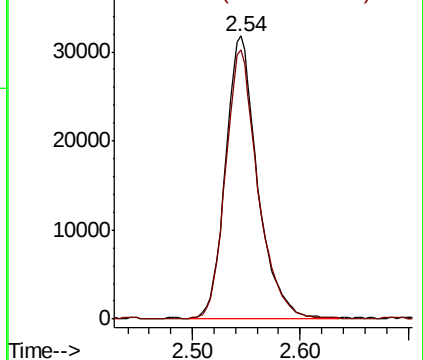
94 100

96 95.3 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 18.532 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059027.D

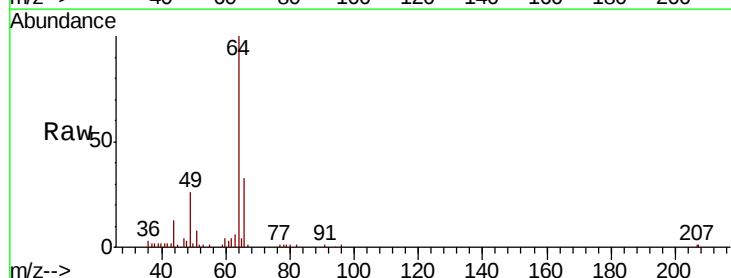
Acq: 31 Oct 2019 10:11

Tgt Ion: 64 Resp: 71844

Ion Ratio Lower Upper

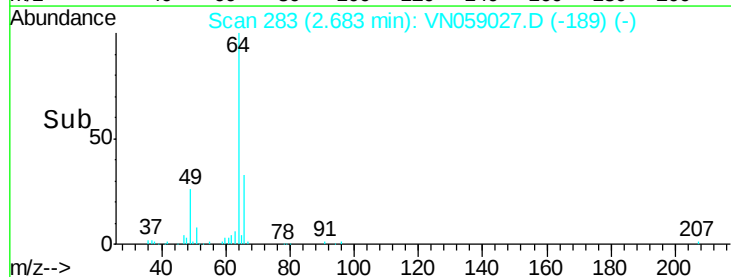
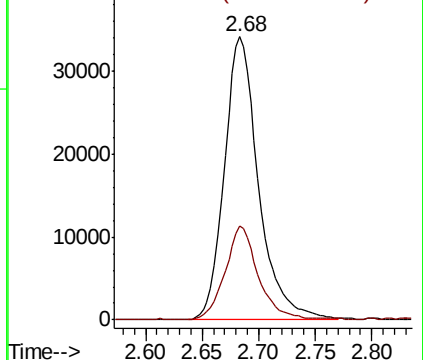
64 100

66 33.1 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC



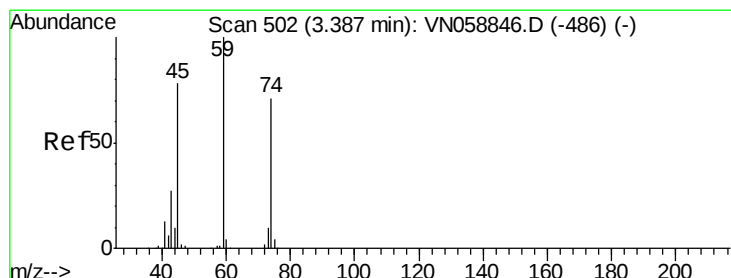
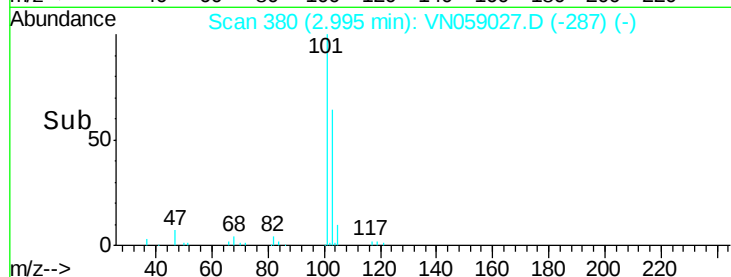
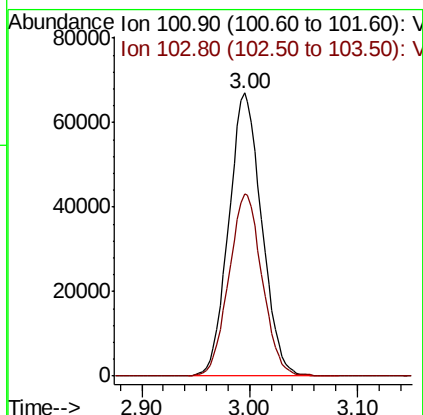
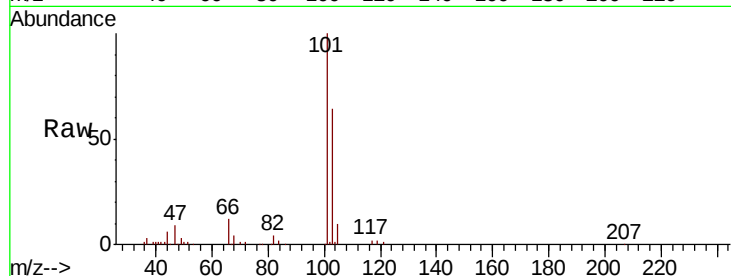


#7

Trichlorofluoromethane
 Concen: 19.108 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampled :

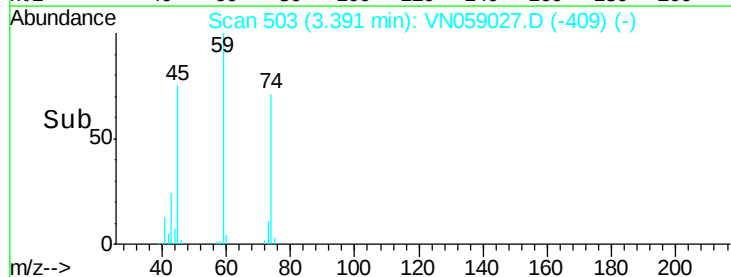
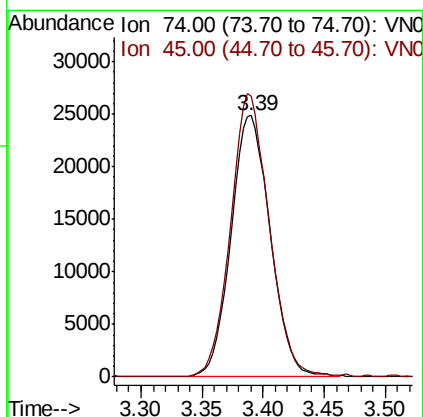
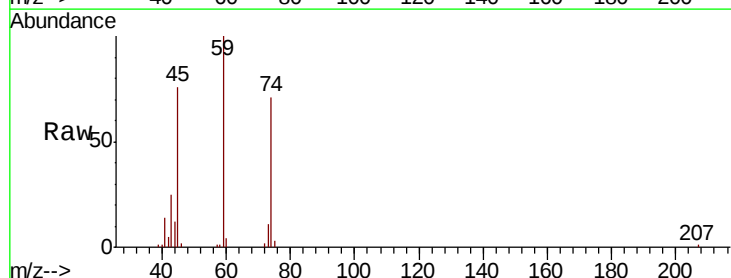
Tot Ion:101 Resp: 142925
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.2 78.2

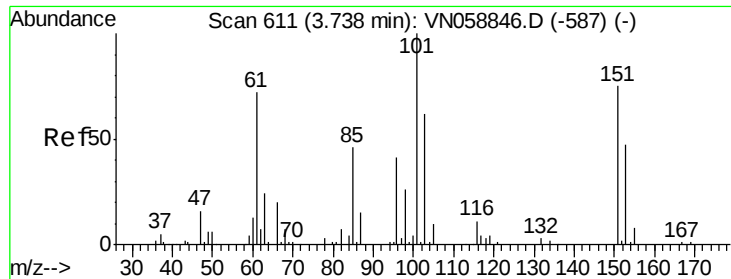


#8

Diethyl Ether
 Concen: 21.478 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 74 Resp: 55517
 Ion Ratio Lower Upper
 74 100
 45 106.3 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.062 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampled :

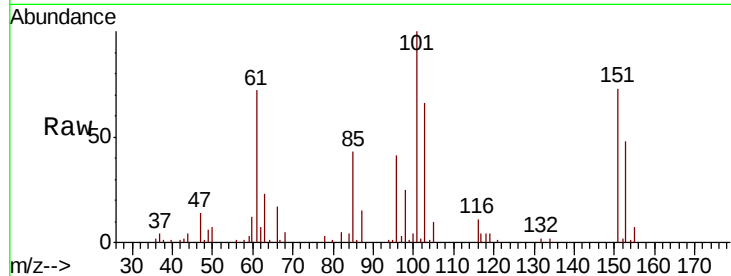
Tot Ion:101 Resp: 83192

Ion Ratio Lower Upper

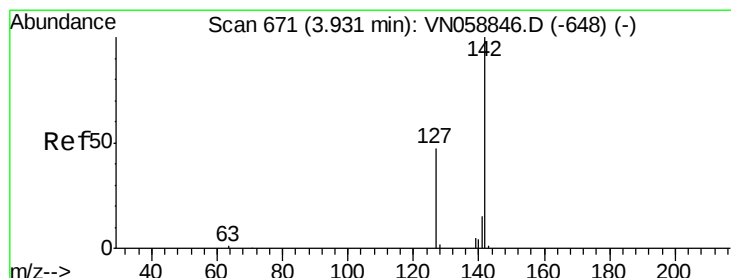
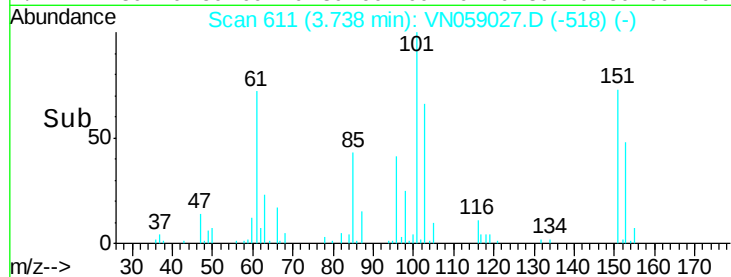
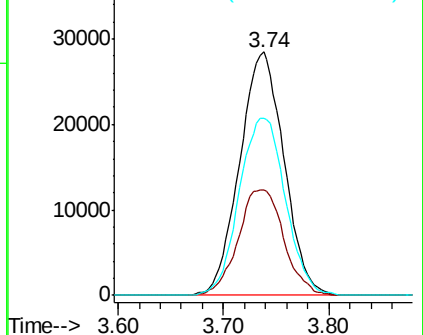
101 100

85 44.7 37.2 55.8

151 76.0 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.860 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

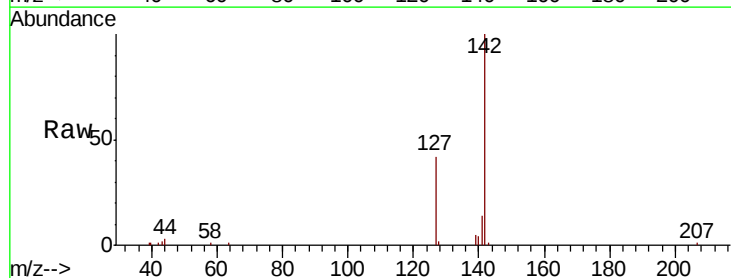
Tgt Ion:142 Resp: 97407

Ion Ratio Lower Upper

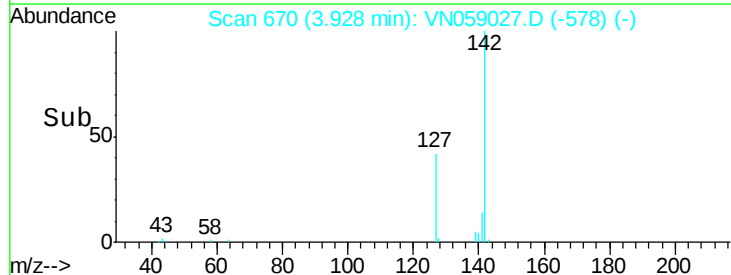
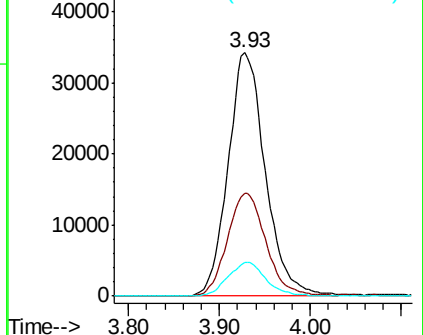
142 100

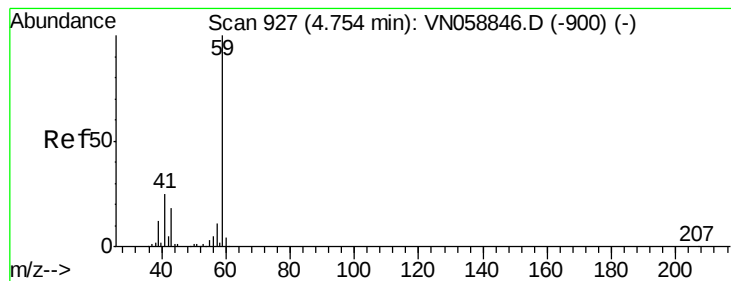
127 43.8 36.6 54.8

141 14.2 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 110.575 ug/l

RT: 4.75 min Scan# 927

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

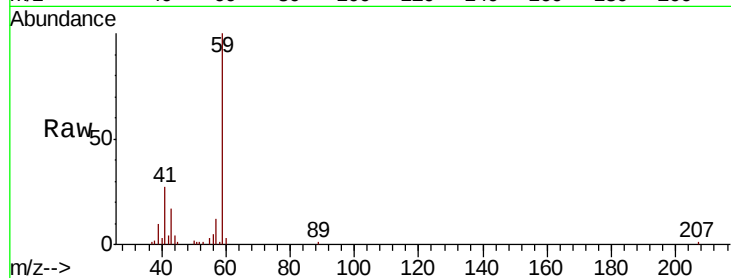
ClientSampleId :

Tot Ion: 59 Resp: 106111

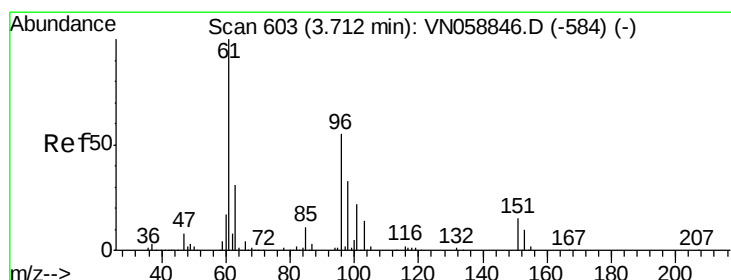
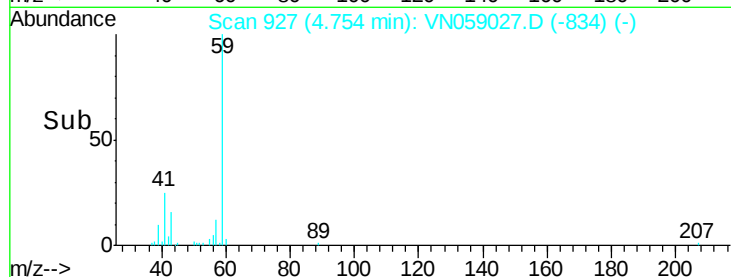
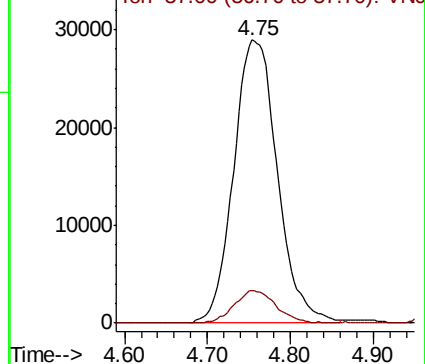
Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VNO
Ion 57.00 (56.70 to 57.70): VNO



#12

1,1-Dichloroethene

Concen: 20.044 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

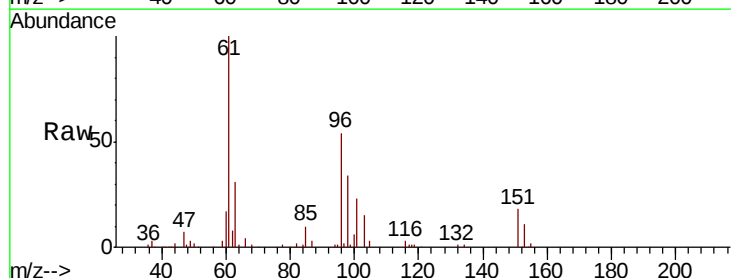
Tgt Ion: 96 Resp: 77910

Ion Ratio Lower Upper

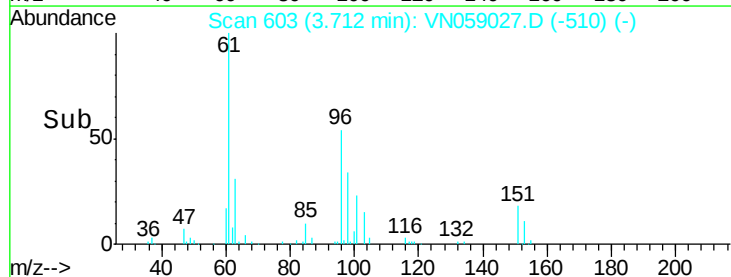
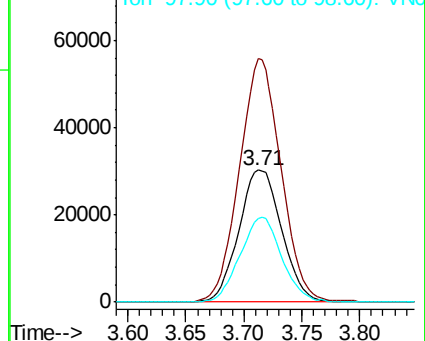
96 100

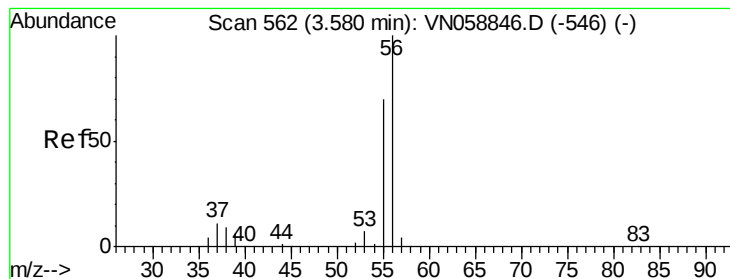
61 184.6 146.2 219.2

98 63.3 48.7 73.1



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





#13

Acrolein

Concen: 61.365 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

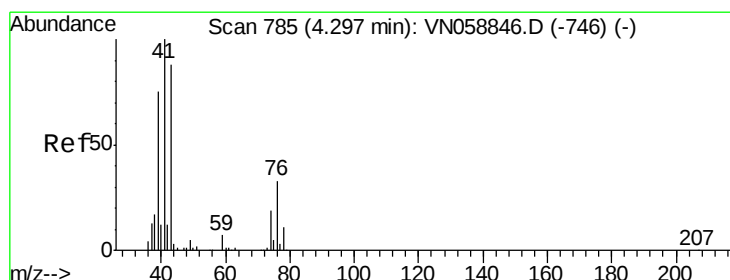
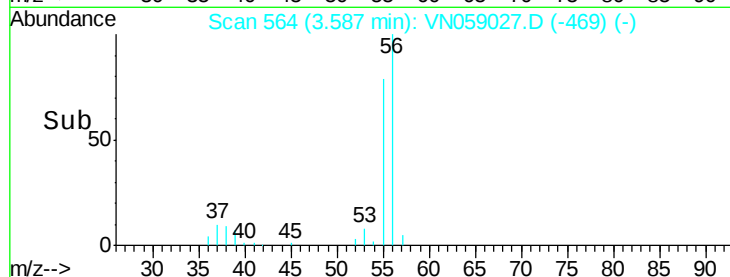
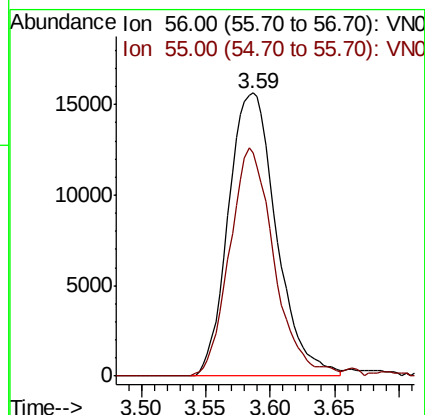
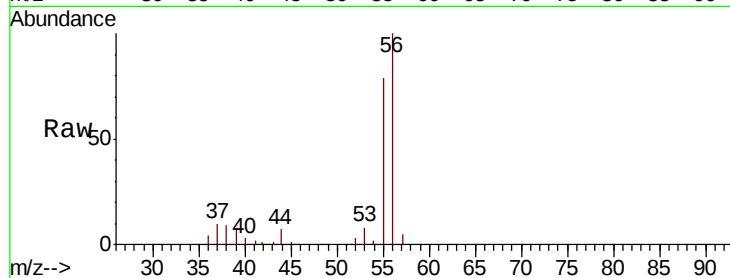
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 40462

Ion Ratio Lower Upper

56 100

55 74.7 56.6 85.0



#14

Allyl chloride

Concen: 20.729 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

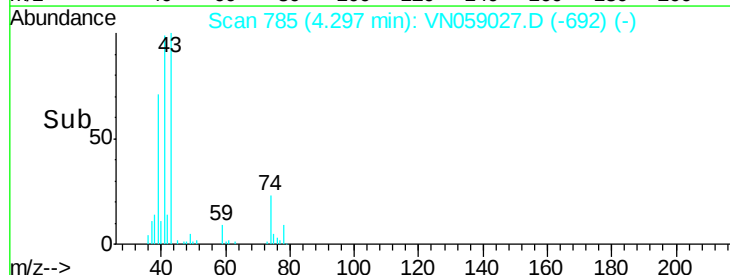
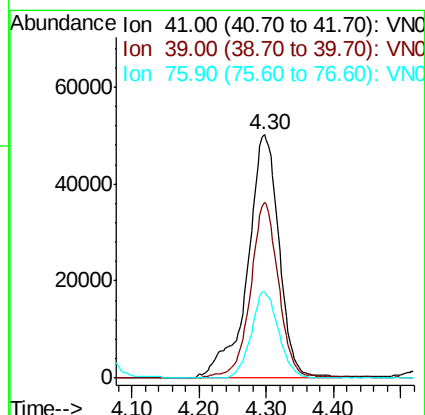
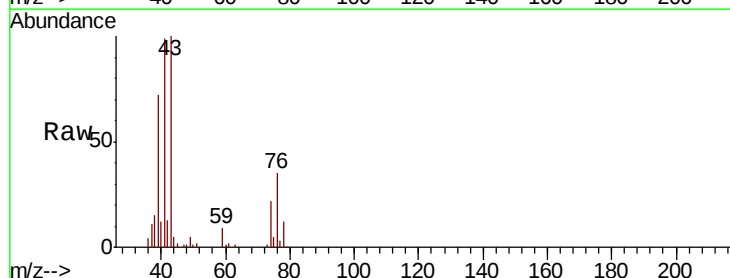
Tgt Ion: 41 Resp: 163036

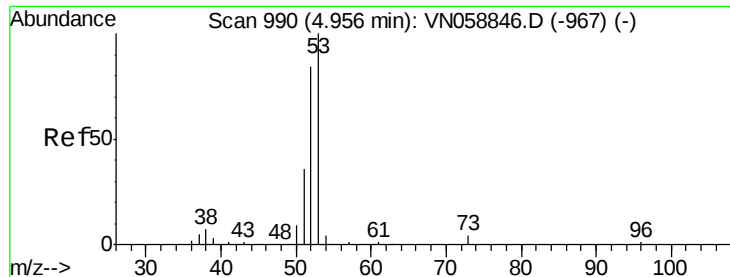
Ion Ratio Lower Upper

41 100

39 64.3 55.9 83.9

76 30.6 24.1 36.1





#15

Acrylonitrile

Concen: 113.855 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

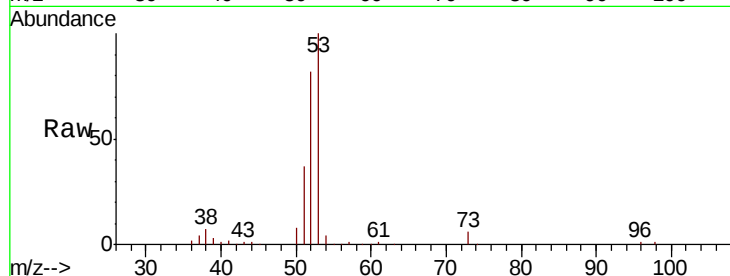
Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 274830

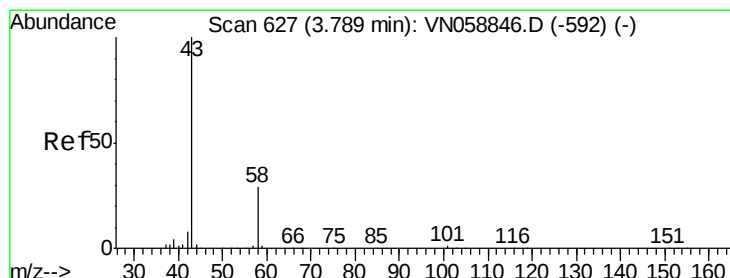
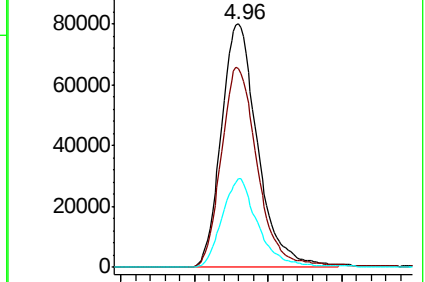
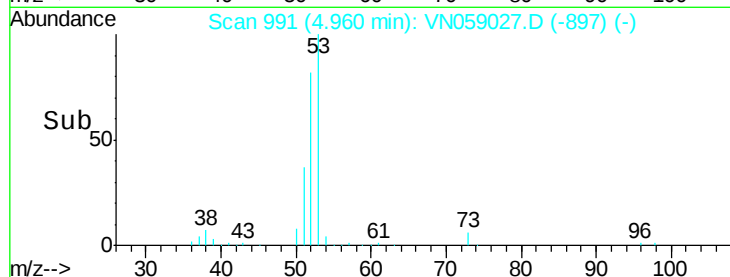
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.6	99.8
51	35.8	29.2	43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 109.541 ug/l

RT: 3.79 min Scan# 628

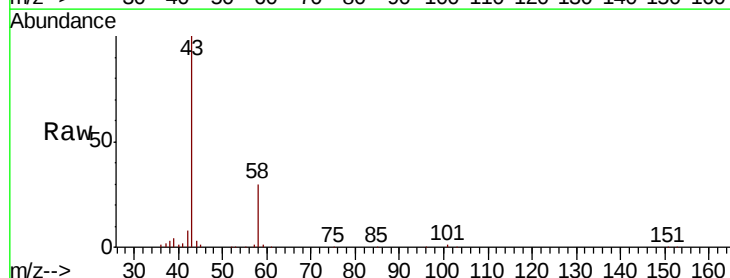
Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

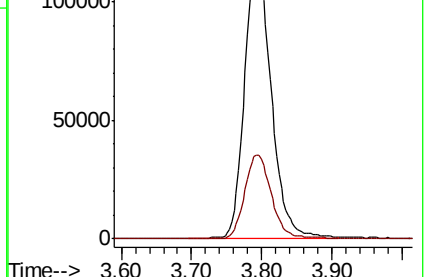
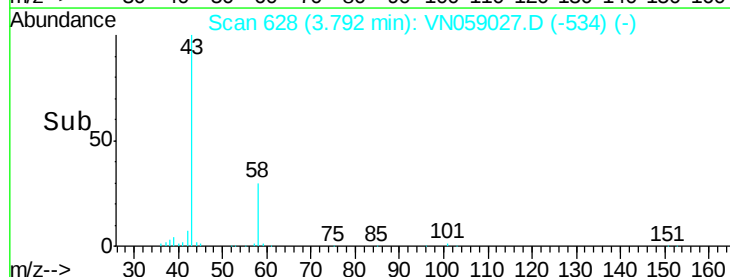
Tgt Ion: 43 Resp: 313014

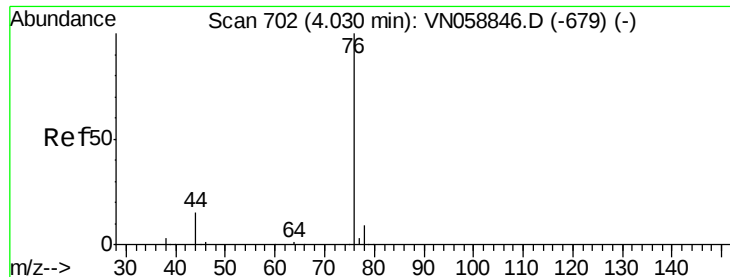
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.1	34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

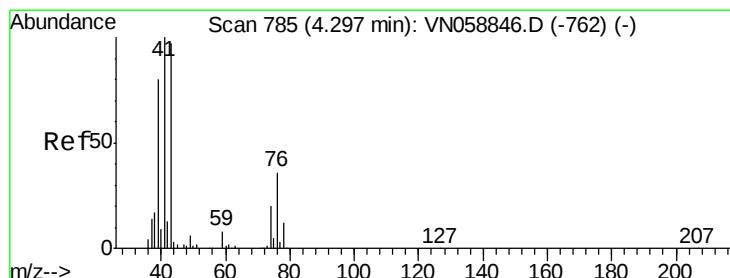
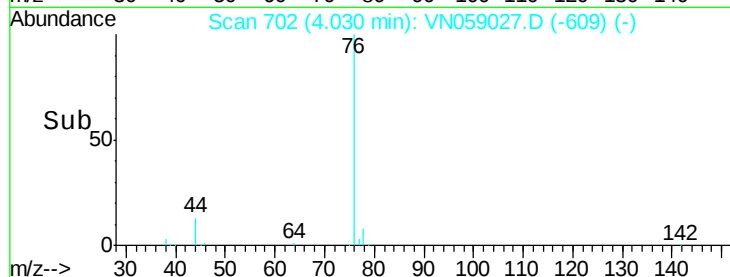
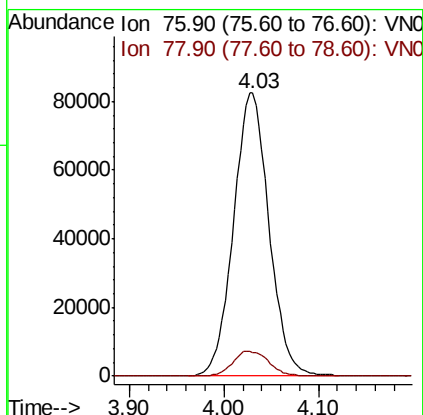
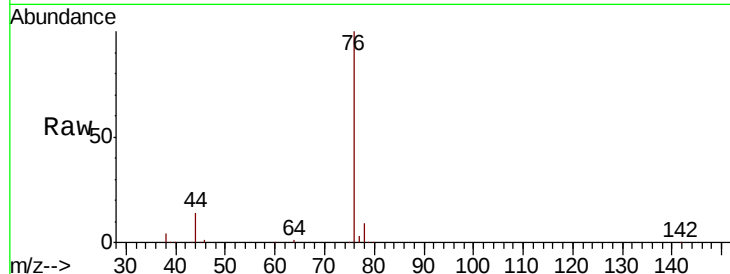




#17
Carbon Disulfide
Concen: 17.176 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

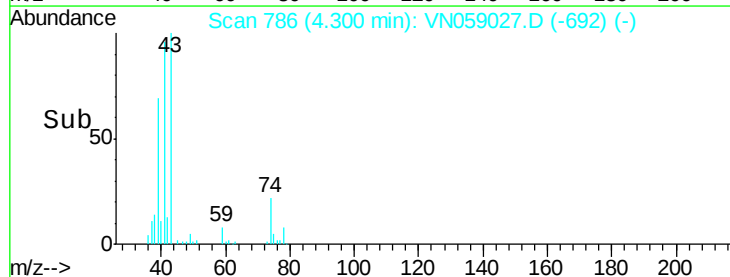
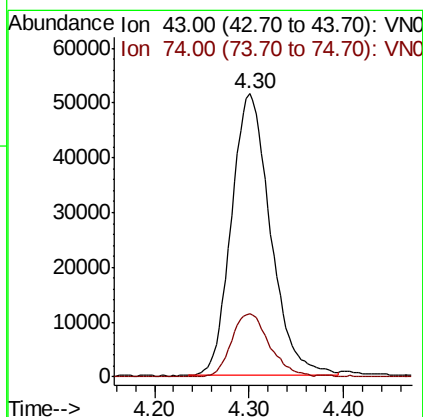
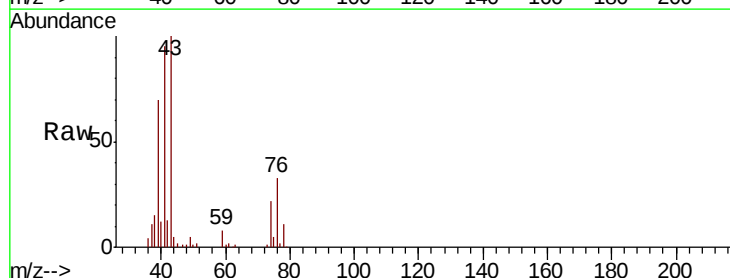
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 76 Resp: 215055
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 22.787 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 43 Resp: 148037
Ion Ratio Lower Upper
43 100
74 21.8 17.1 25.7

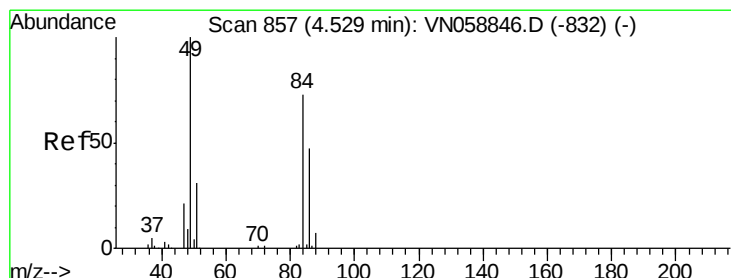
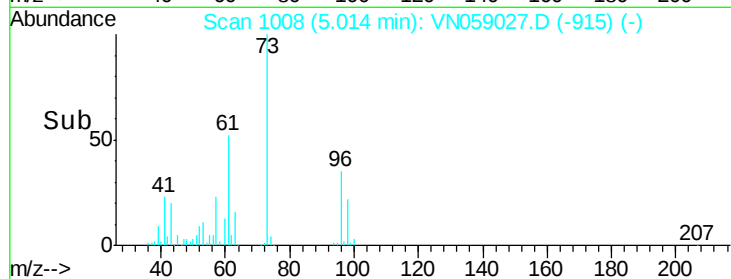
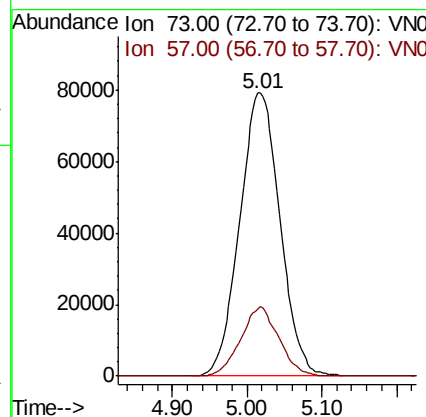
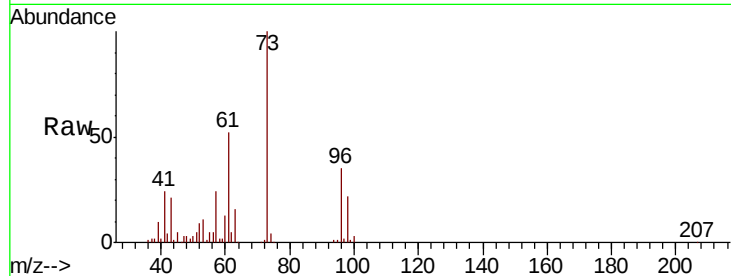




#19
Methvl tert-butvl Ether
Concen: 21.805 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

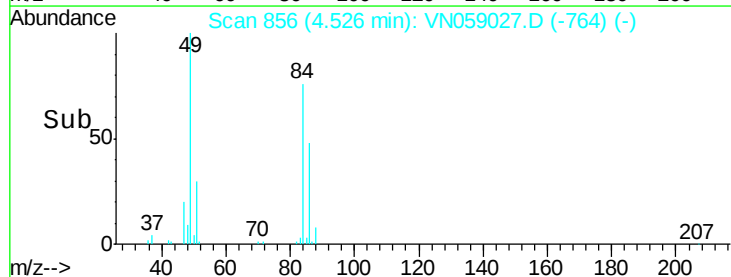
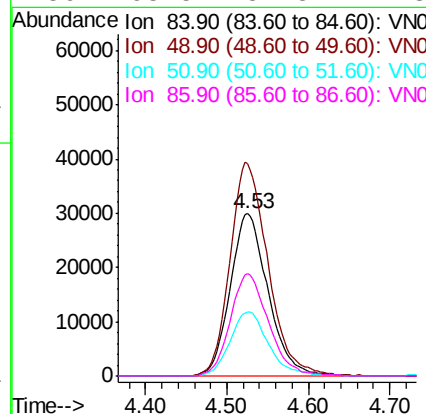
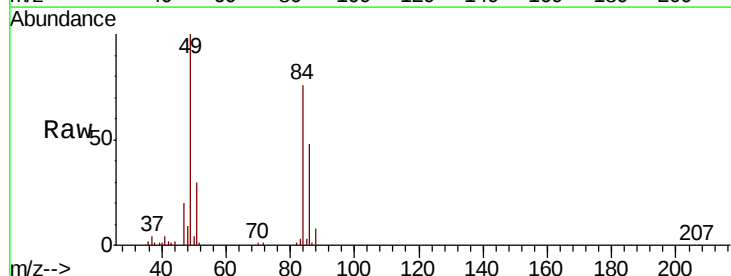
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 73 Resp: 296775
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9



#20
Methylene Chloride
Concen: 19.845 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 84 Resp: 96827
Ion Ratio Lower Upper
84 100
49 131.0 109.6 164.4
51 39.3 33.8 50.6
86 63.5 51.5 77.3

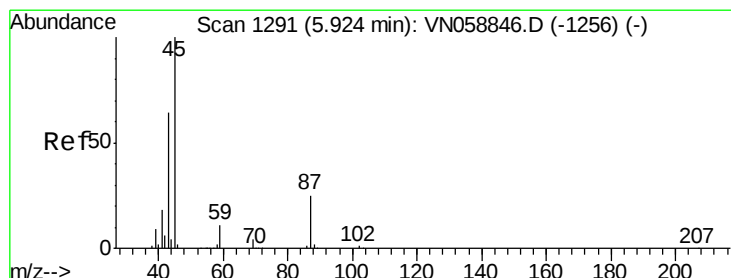
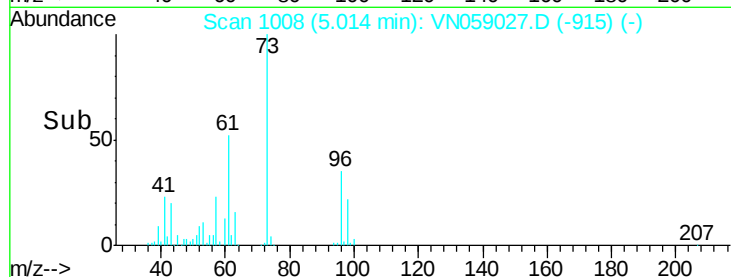
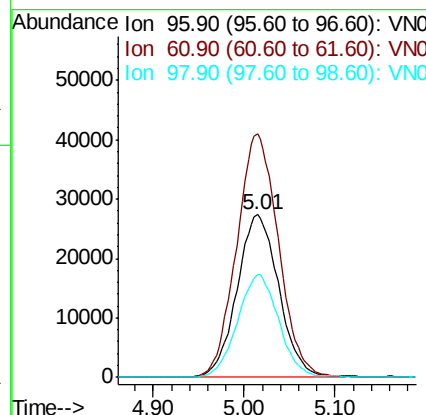
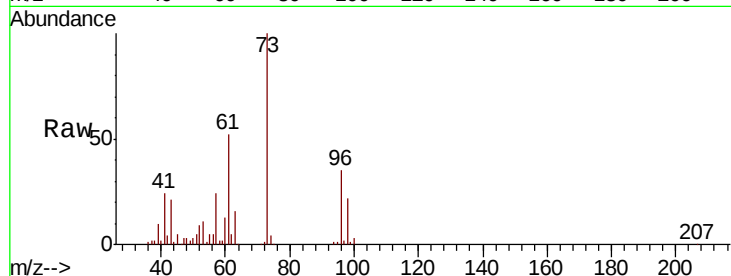




#21
trans-1,2-Dichloroethene
Concen: 20.322 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

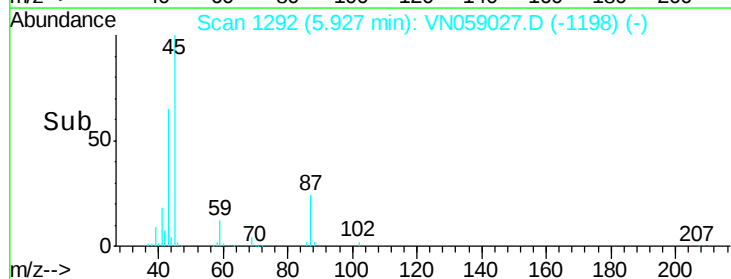
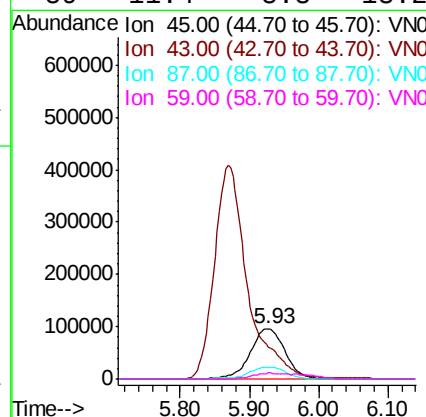
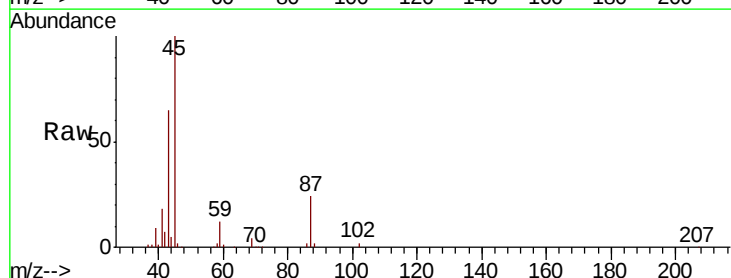
Instrument :
MSVOA_N
ClientSampleId :

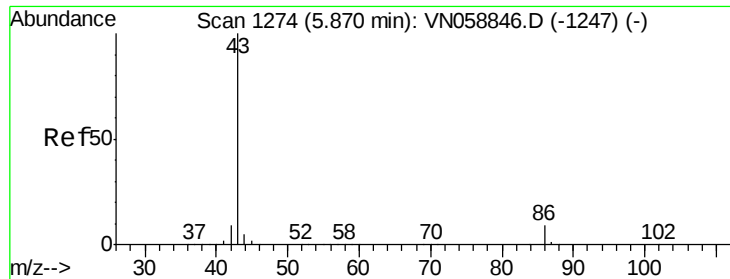
Tot Ion: 96 Resp: 87231
Ion Ratio Lower Upper
96 100
61 149.5 126.7 190.1
98 63.0 52.0 78.0



#22
Diisopropyl ether
Concen: 21.677 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 45 Resp: 333483
Ion Ratio Lower Upper
45 100
43 63.2 52.9 79.3
87 24.3 20.2 30.4
59 11.4 8.8 13.2

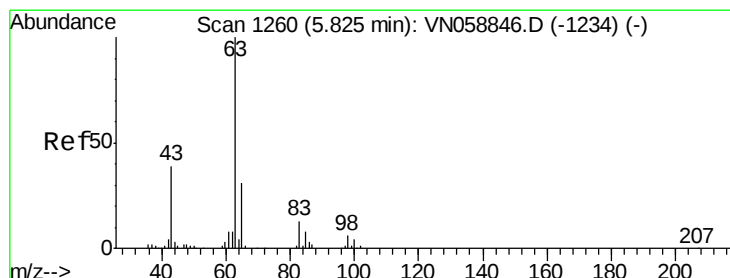
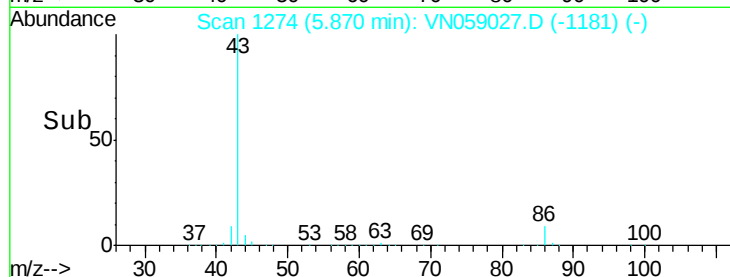
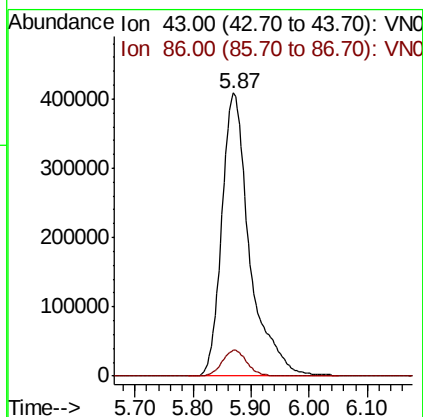
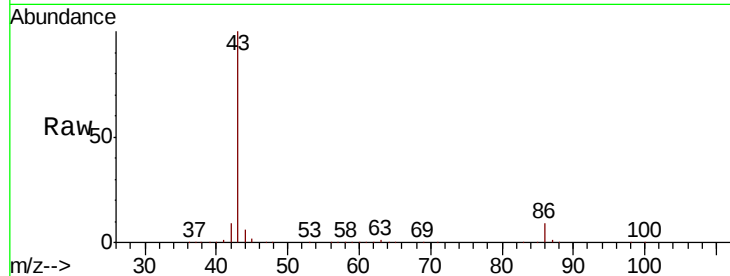




#23
 Vinyl Acetate
 Concen: 110.281 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

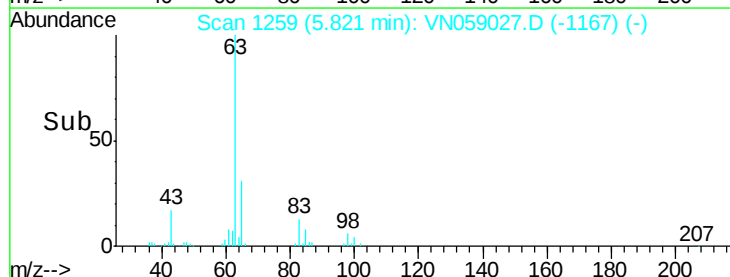
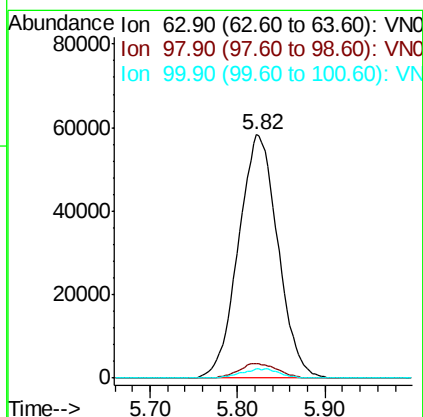
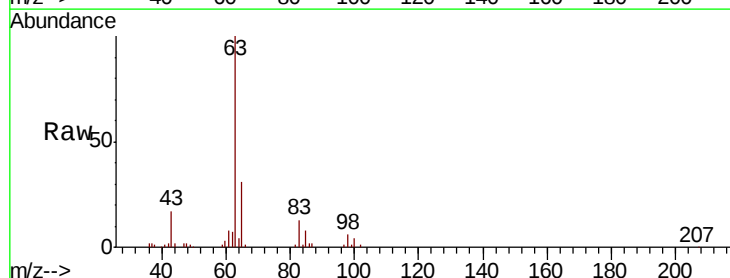
Instrument :
 MSVOA_N
 ClientSampleId :

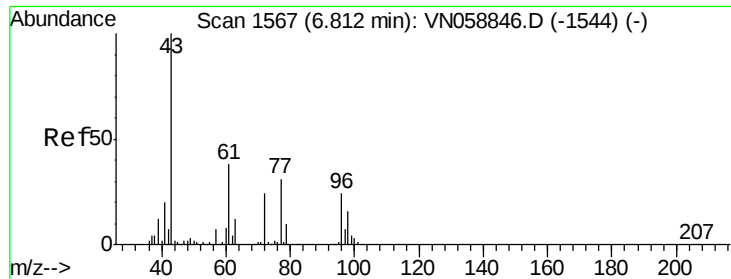
Tot Ion: 43 Resp: 1363086
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 20.388 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 63 Resp: 181868
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.8 8.4
 100 3.7 1.9 5.7





#25

2-Butanone

Concen: 107.800 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

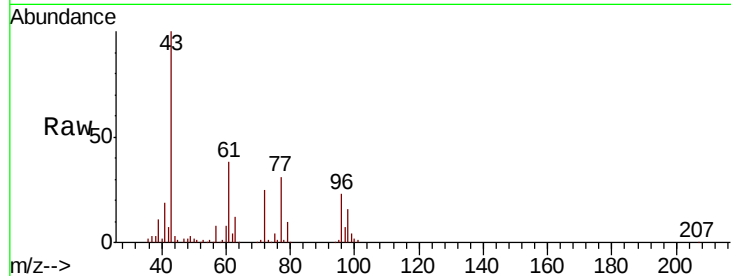
ClientSampled :

Tot Ion: 43 Resp: 399868

Ion Ratio Lower Upper

43 100

72 25.0 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)

6.81

150000

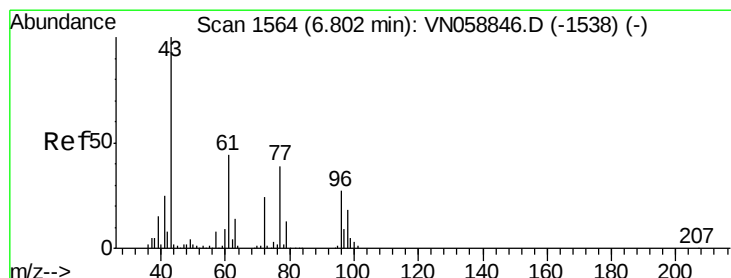
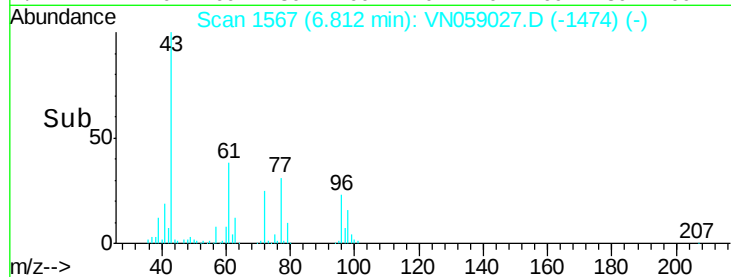
100000

50000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 20.524 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059027.D

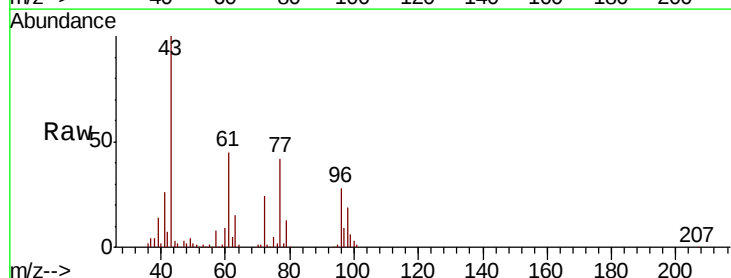
Acq: 31 Oct 2019 10:11

Tgt Ion: 77 Resp: 158362

Ion Ratio Lower Upper

77 100

97 21.7 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)

6.80

50000

40000

30000

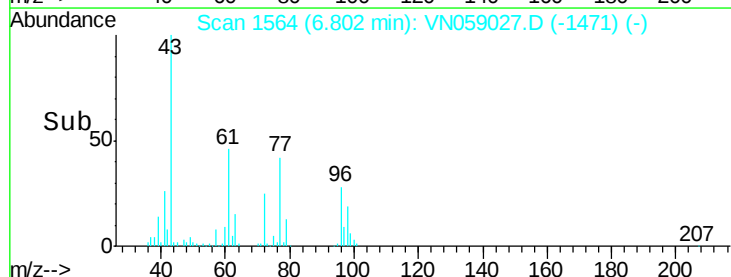
20000

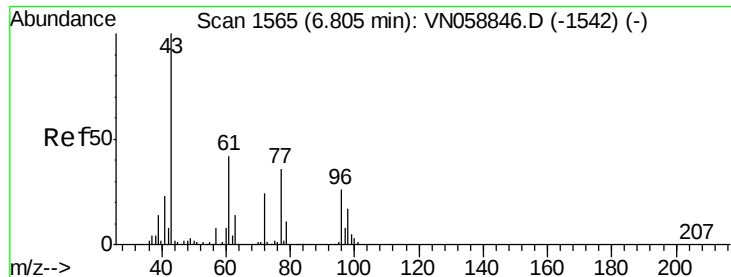
10000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 20.699 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampled :

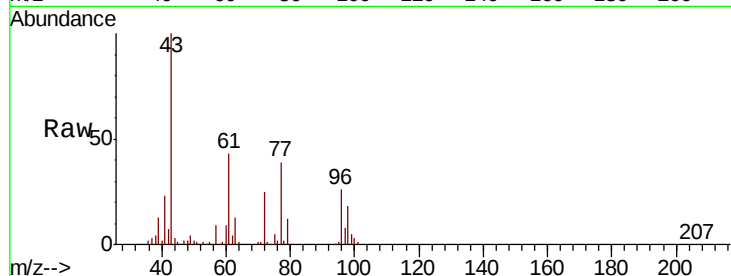
Tot Ion: 96 Resp: 101497

Ion Ratio Lower Upper

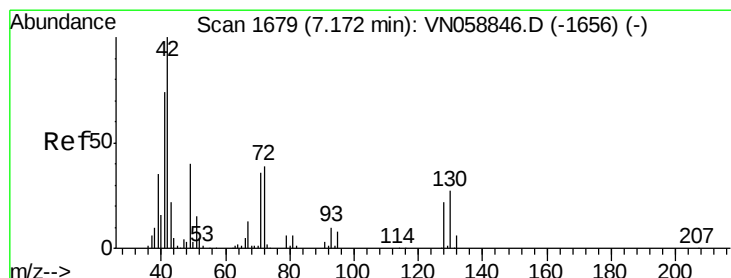
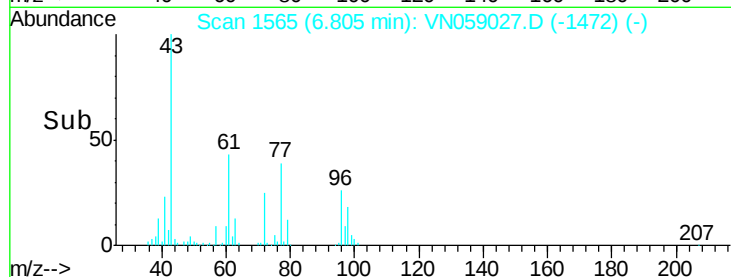
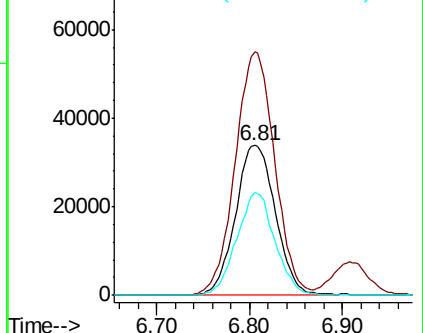
96 100

61 159.9 0.0 325.0

98 65.3 0.0 128.0



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



#28

Bromochloromethane

Concen: 19.305 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

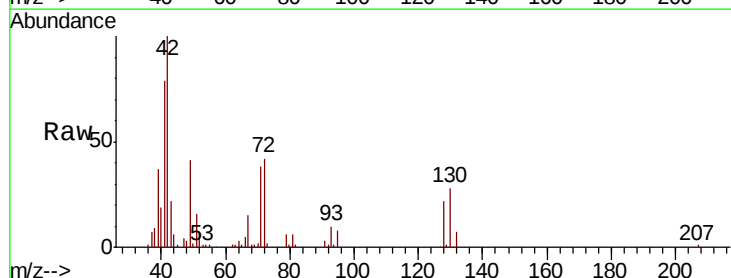
Tgt Ion: 49 Resp: 57353

Ion Ratio Lower Upper

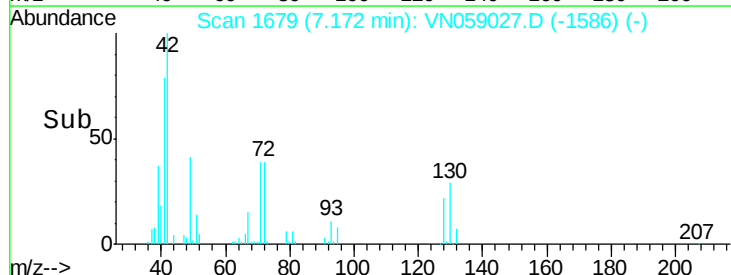
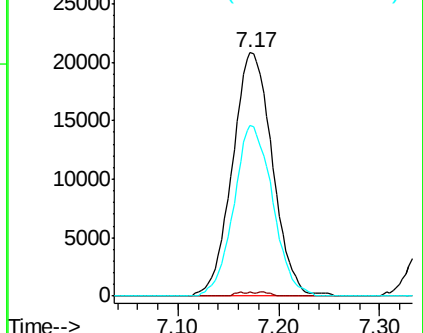
49 100

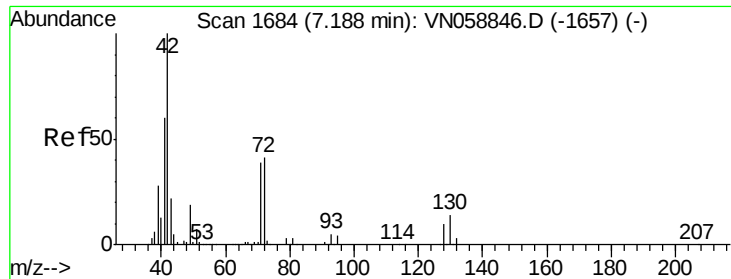
129 0.5 0.0 3.2

130 67.7 53.5 80.3



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

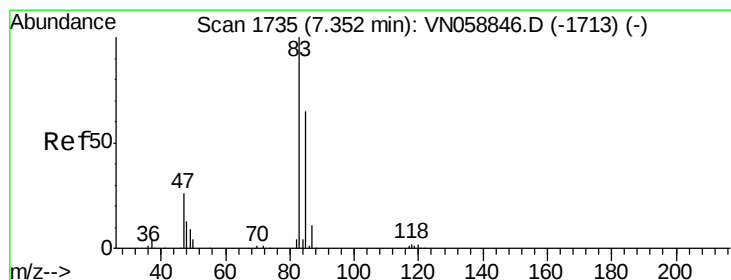
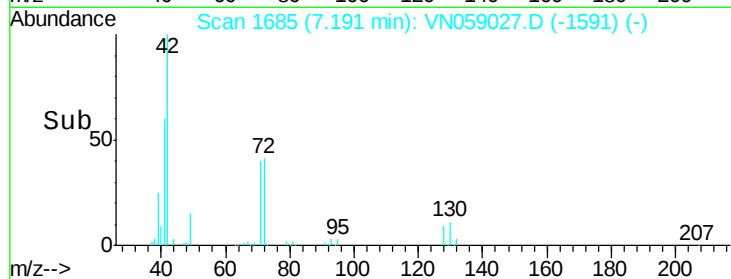
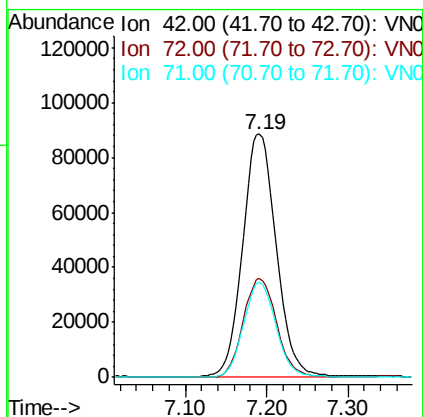
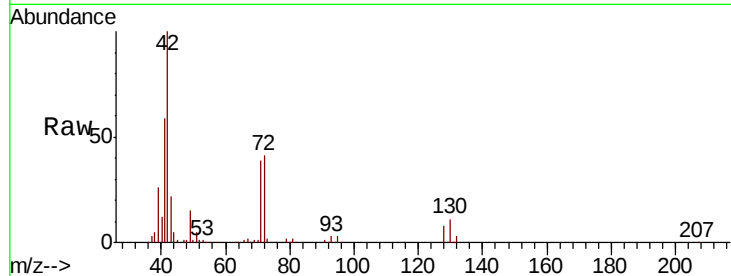




#29
Tetrahydrofuran
Concen: 111.192 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

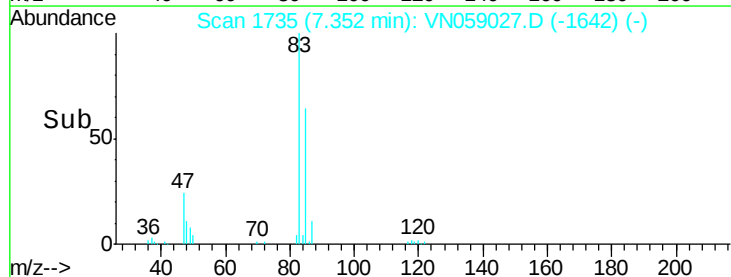
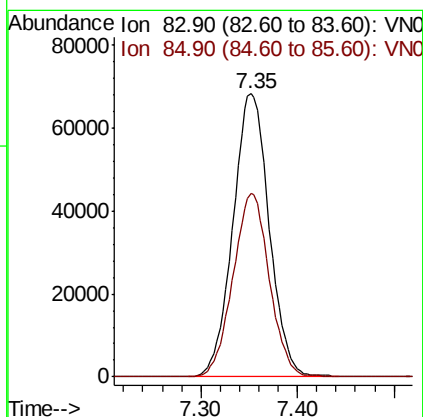
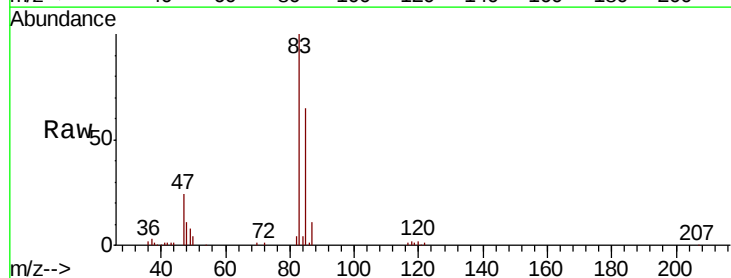
Instrument :
MSVOA_N
ClientSampleId :

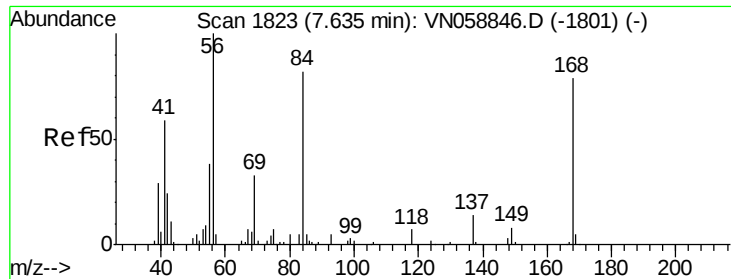
Tot Ion: 42 Resp: 252310
Ion Ratio Lower Upper
42 100
72 40.5 32.2 48.2
71 37.8 30.6 45.8



#30
Chloroform
Concen: 19.854 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 83 Resp: 177653
Ion Ratio Lower Upper
83 100
85 64.8 51.9 77.9

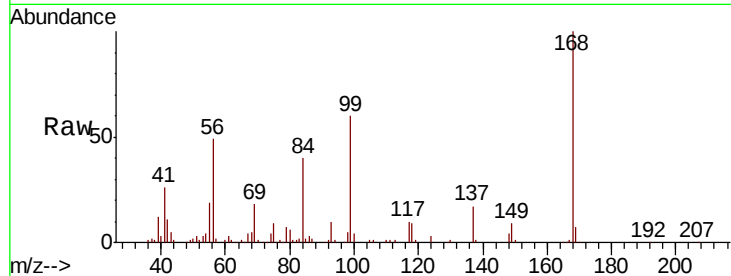




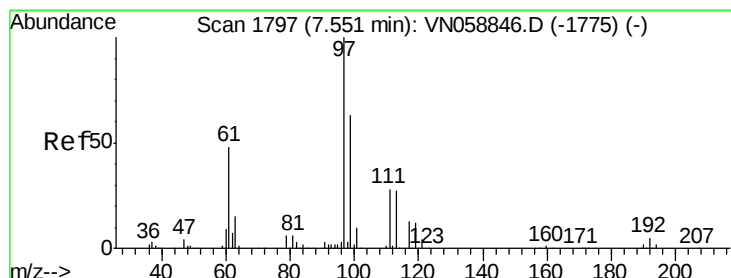
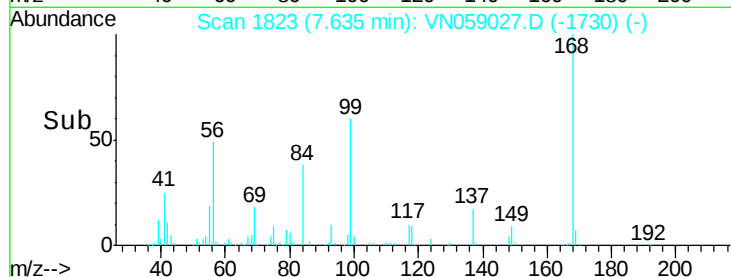
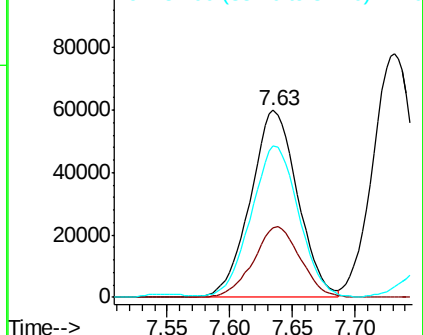
#31
Cyclohexane
Concen: 18.894 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 157020
Ion Ratio Lower Upper
56 100
69 37.1 26.2 39.4
84 80.0 65.6 98.4

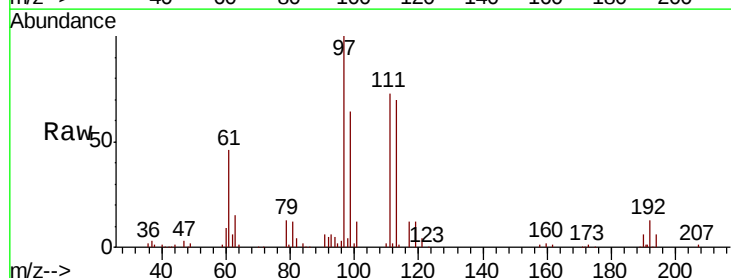


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

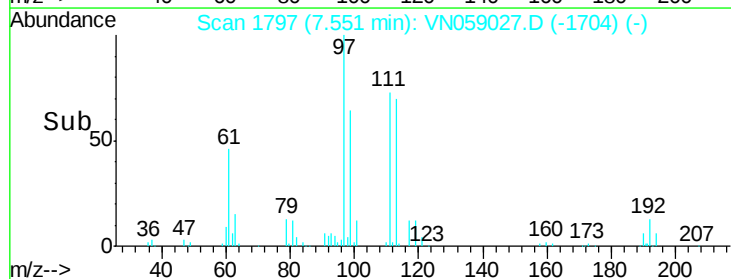
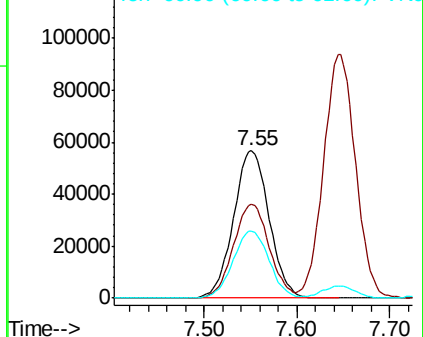


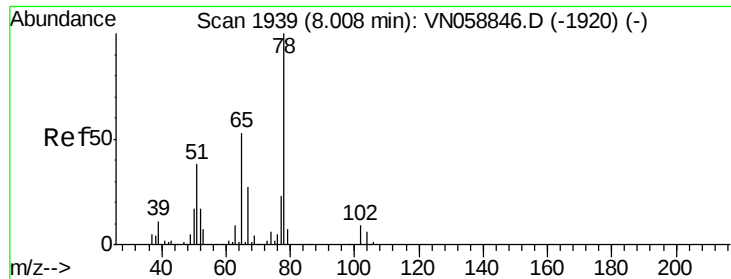
#32
1,1,1-Trichloroethane
Concen: 20.011 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 97 Resp: 150929
Ion Ratio Lower Upper
97 100
99 64.3 51.0 76.4
61 46.3 38.6 58.0



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

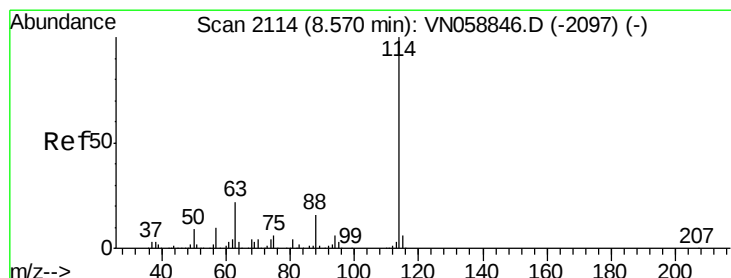
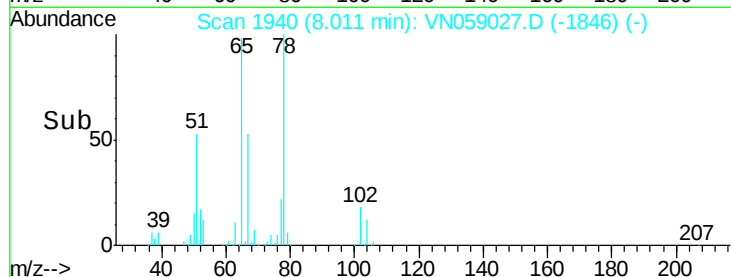
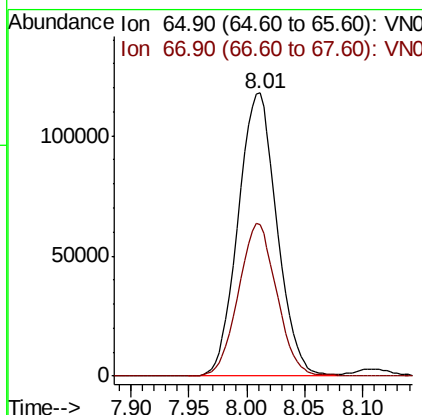
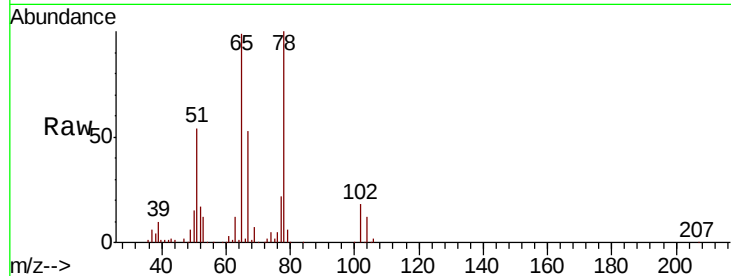




#33
 1,2-Dichloroethane-d4
 Concen: 47.461 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

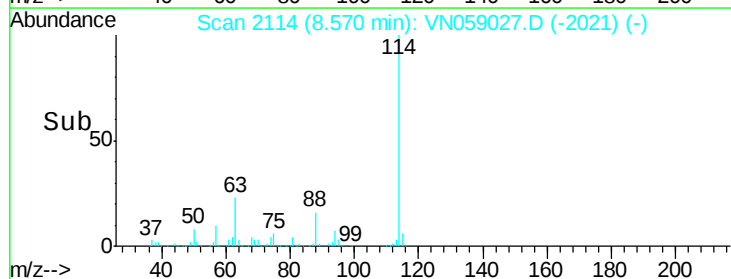
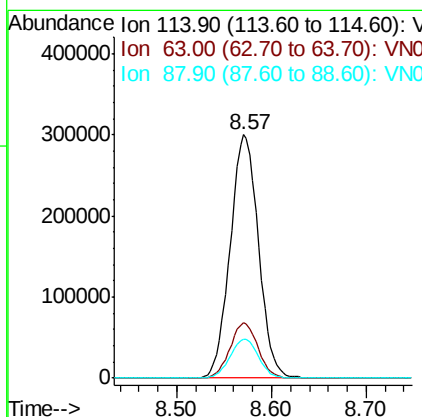
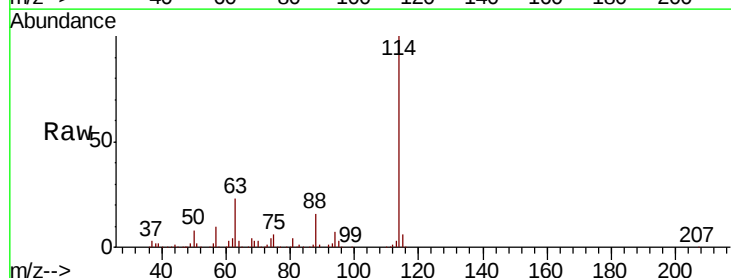
Instrument :
 MSVOA_N
 ClientSampled :

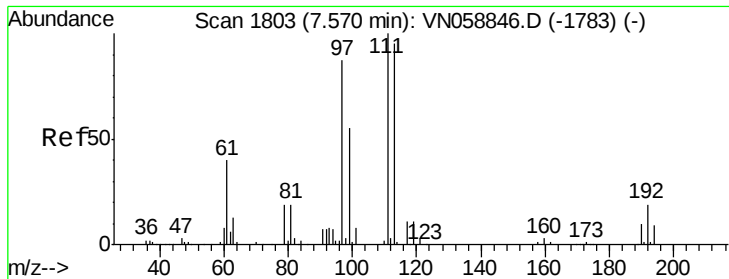
Tot Ion: 65 Resp: 274457
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 114 Resp: 625186
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.0 0.0 31.4

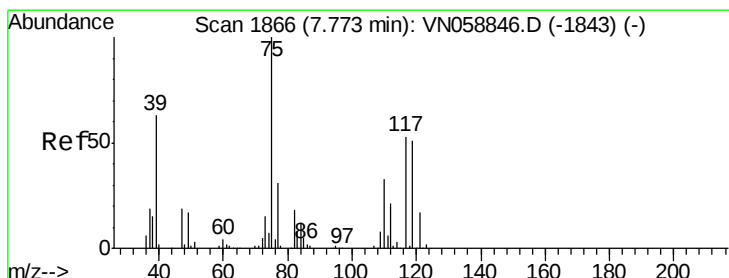
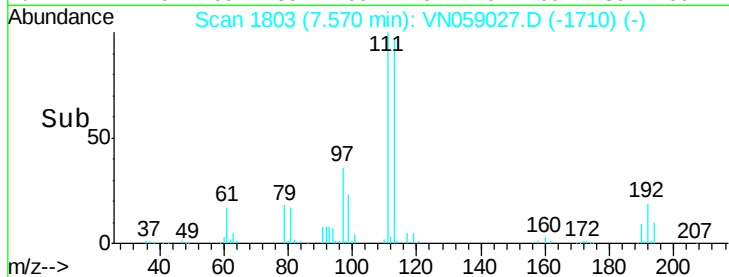
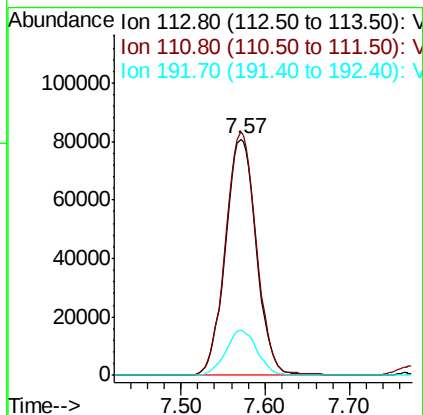
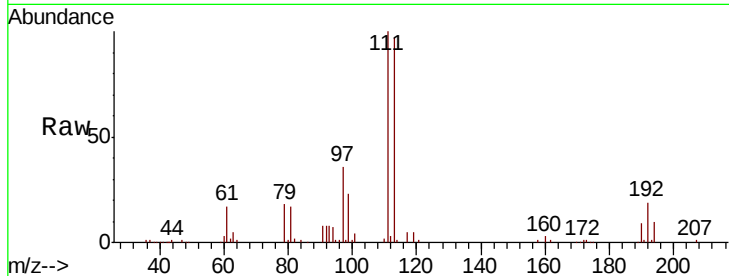




#35
 Dibromofluoromethane
 Concen: 50.152 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

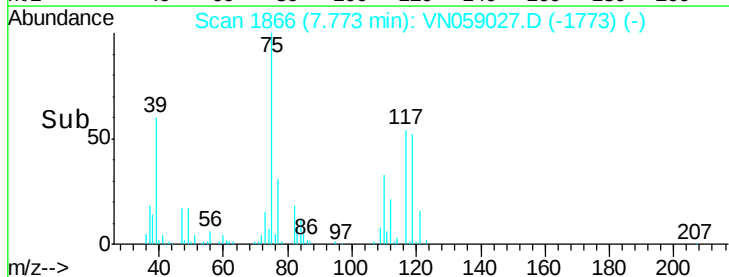
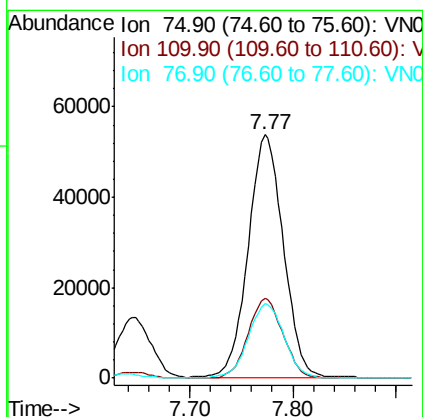
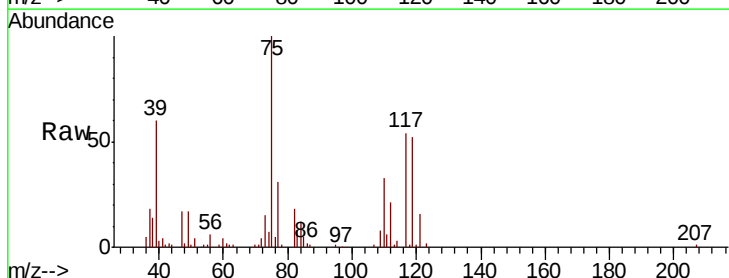
Instrument :
 MSVOA_N
 ClientSampled :

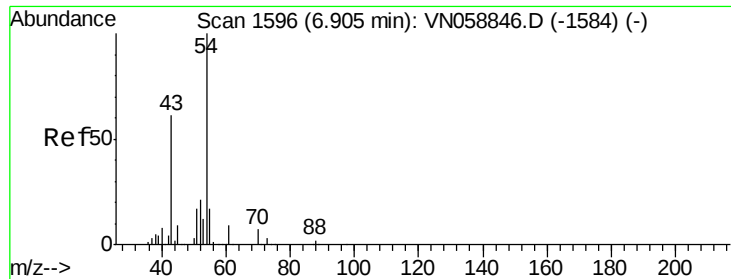
Tot Ion:113 Resp: 206146
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.0 123.0
 192 19.4 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 19.775 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 75 Resp: 126570
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.3 48.9
 77 31.6 24.6 36.8

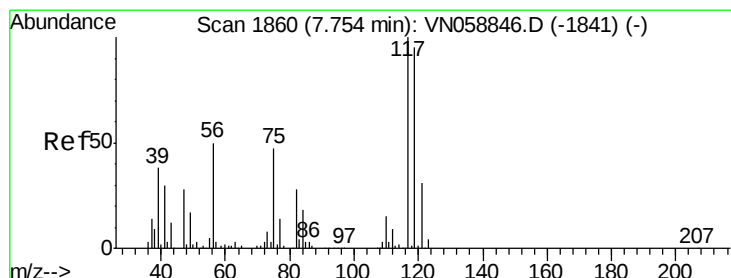
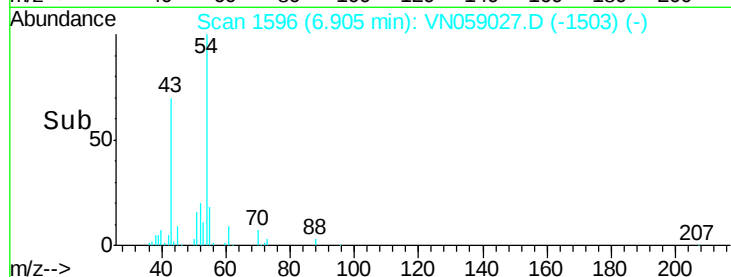
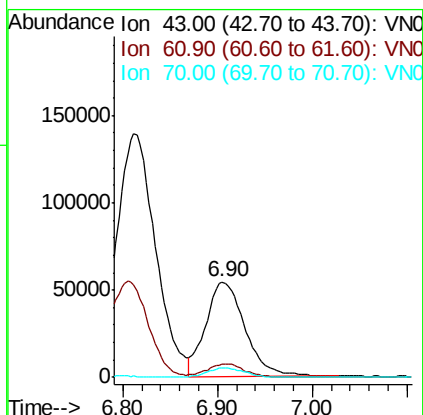
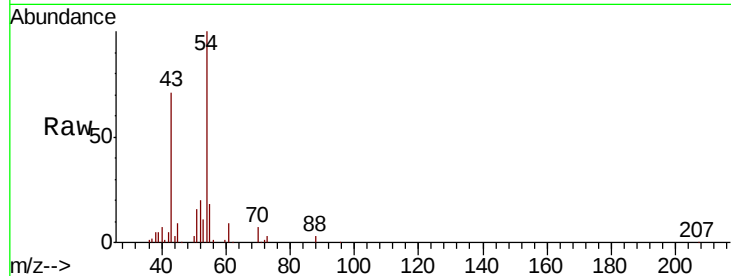




#37
Ethyl Acetate
Concen: 22.368 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

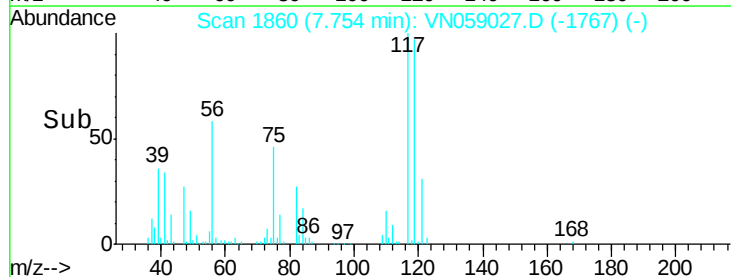
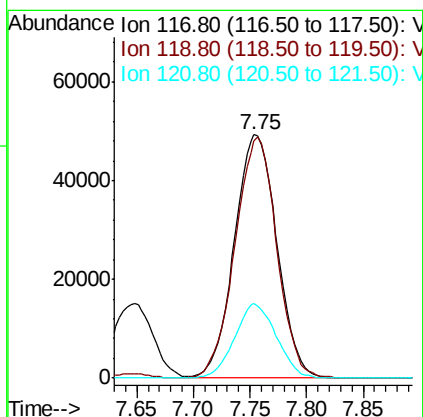
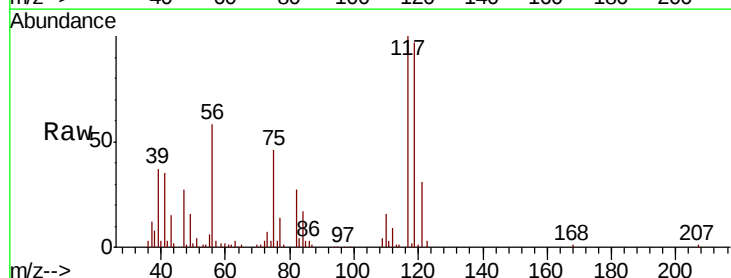
Instrument :
MSVOA_N
ClientSampleId :

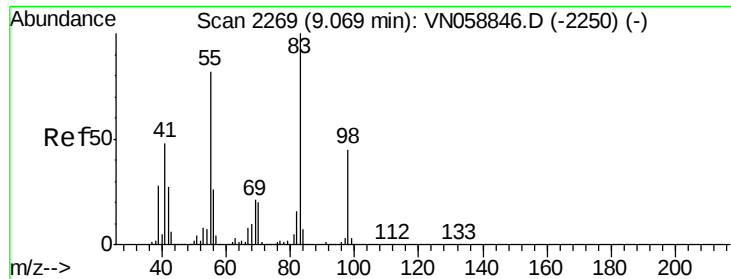
Tot Ion: 43 Resp: 155996
Ion Ratio Lower Upper
43 100
61 13.7 10.5 15.7
70 9.5 7.6 11.4



#38
Carbon Tetrachloride
Concen: 19.593 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 117 Resp: 129192
Ion Ratio Lower Upper
117 100
119 97.5 75.7 113.5
121 30.5 25.0 37.6

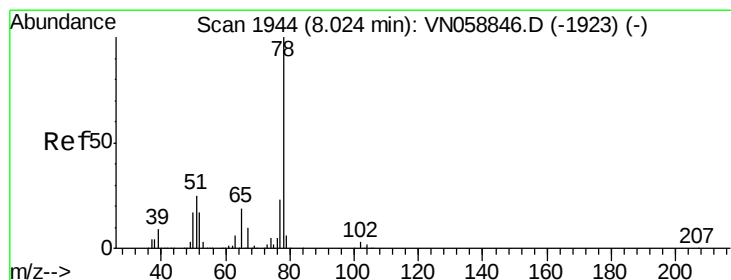
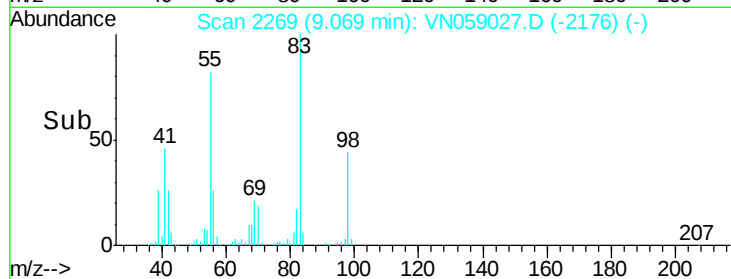
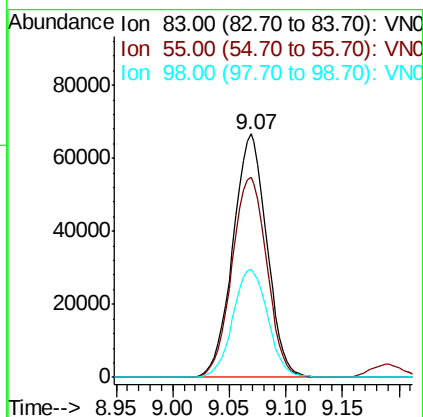
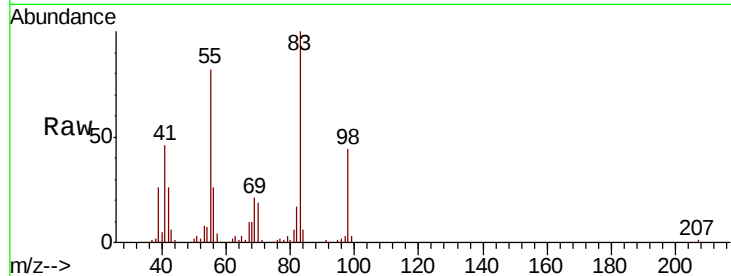




#39
Methvlcvclohexane
Concen: 19.360 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

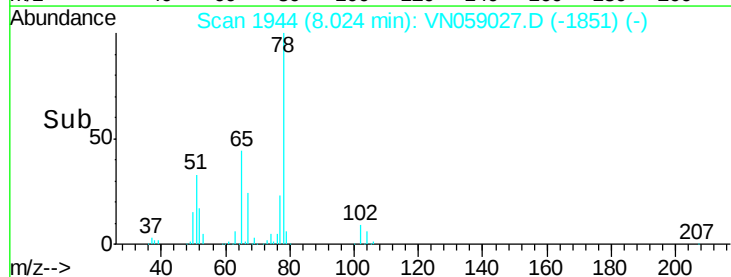
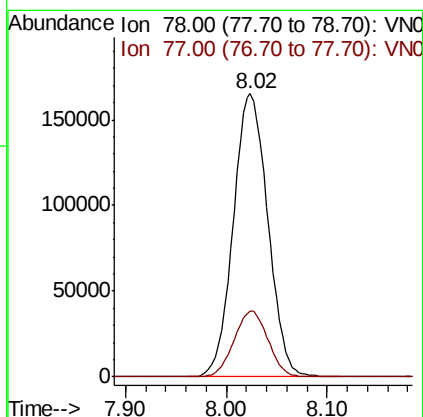
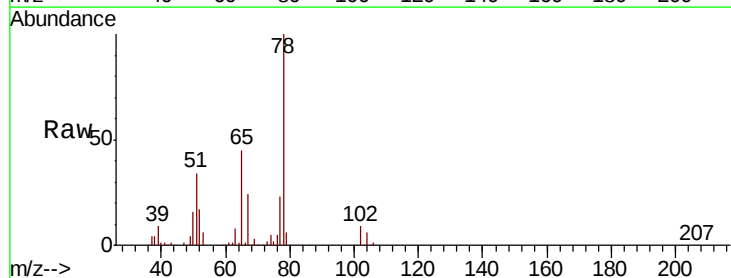
Instrument :
MSVOA_N
ClientSampled :

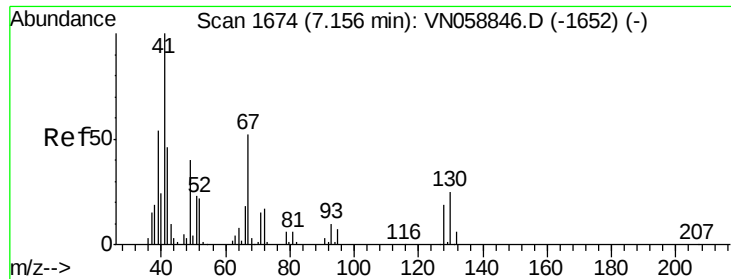
Tot Ion: 83 Resp: 139136
Ion Ratio Lower Upper
83 100
55 82.0 65.5 98.3
98 44.4 35.7 53.5



#40
Benzene
Concen: 20.864 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 78 Resp: 392145
Ion Ratio Lower Upper
78 100
77 23.4 18.2 27.2

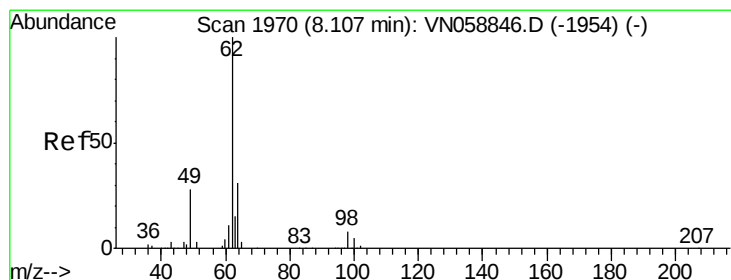
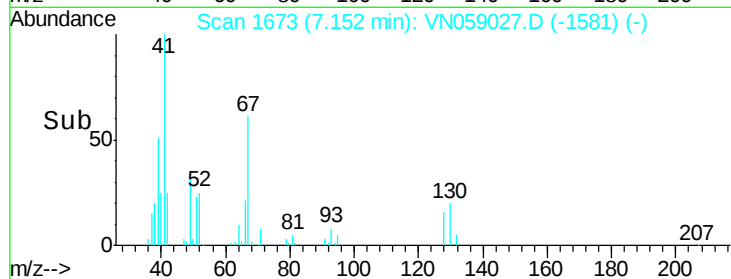
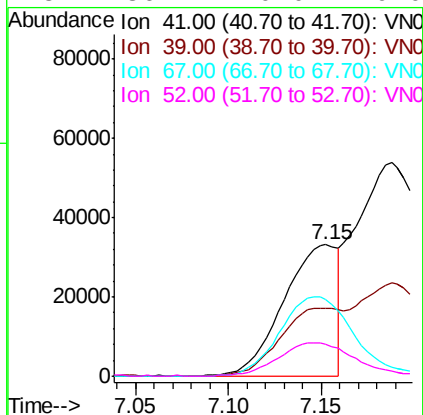
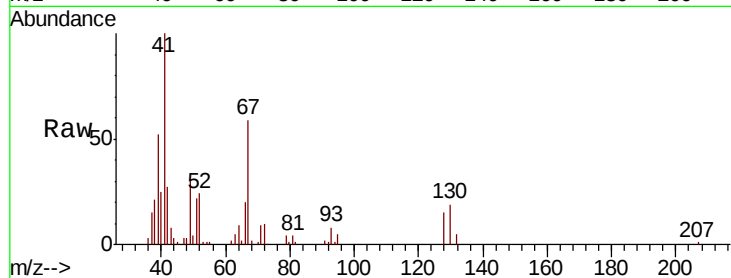




#41
Methacrylonitrile
Concen: 21.705 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

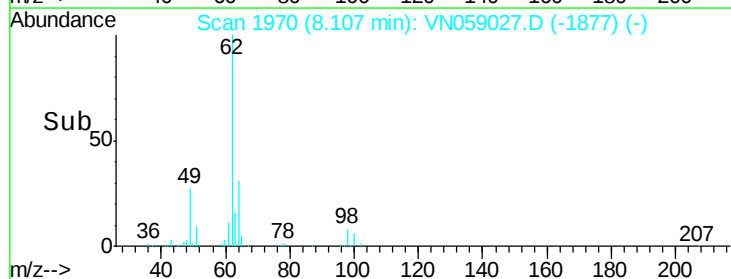
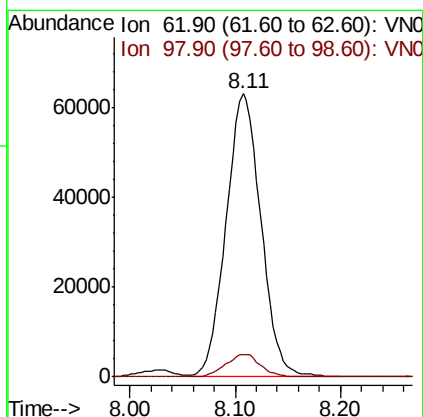
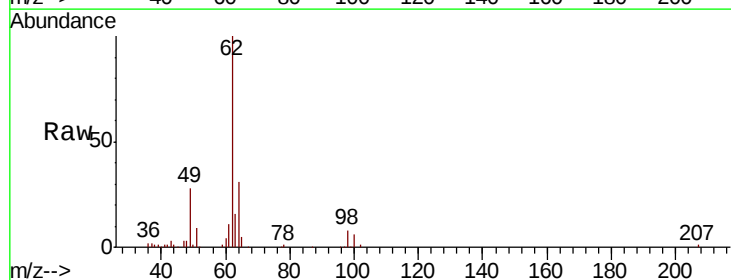
Instrument :
MSVOA_N
ClientSampled :

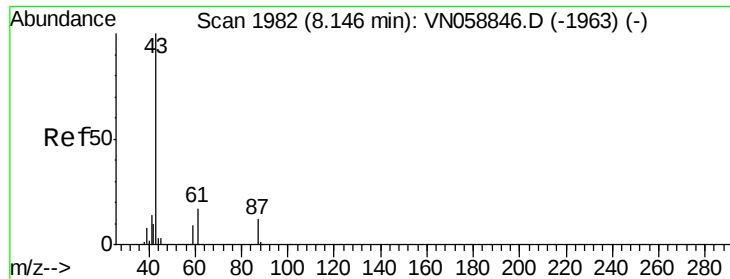
Tot Ion:	41	Resp:	67421
Ion	Ratio	Lower	Upper
41	100		
39	59.0	0.0	0.0#
67	83.3	0.0	0.0#
52	36.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 19.965 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion:	62	Resp:	144548
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 21.400 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

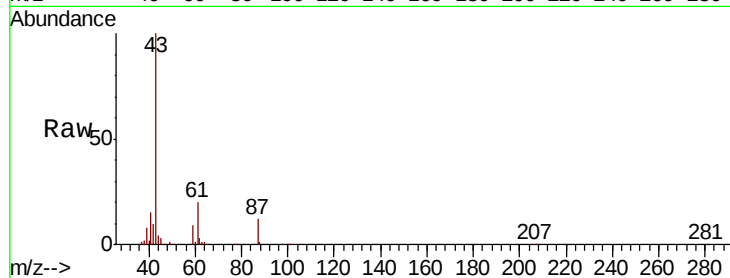
Tot Ion: 43 Resp: 239362

Ion Ratio Lower Upper

43 100

61 26.2 20.2 30.2

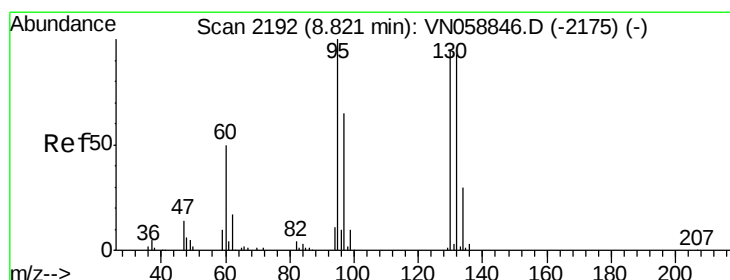
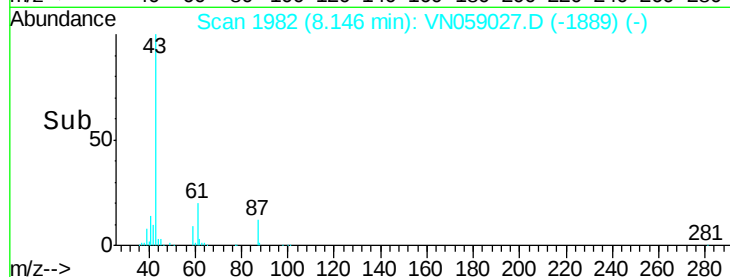
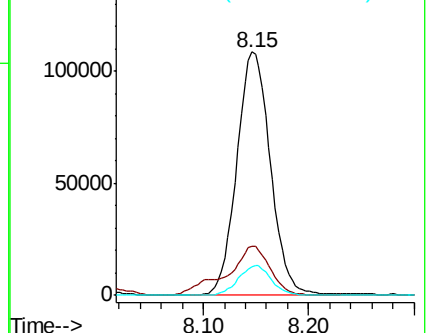
87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



#44

Trichloroethene

Concen: 21.073 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN059027.D

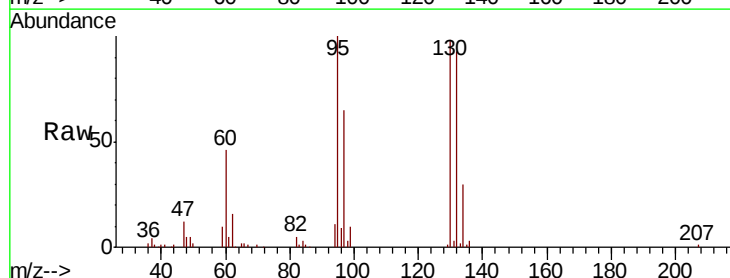
Acq: 31 Oct 2019 10:11

Tgt Ion: 130 Resp: 96480

Ion Ratio Lower Upper

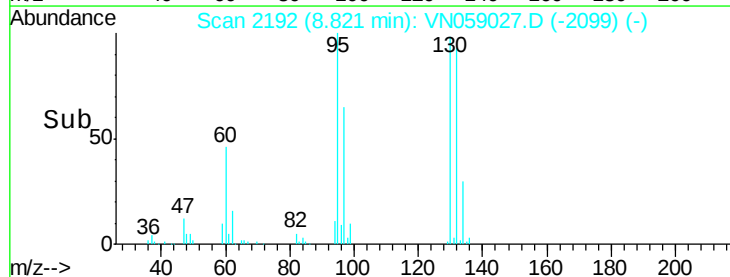
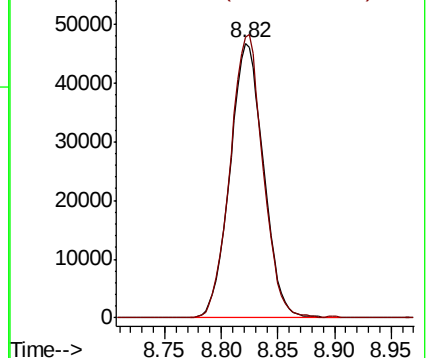
130 100

95 101.9 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 21.333 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

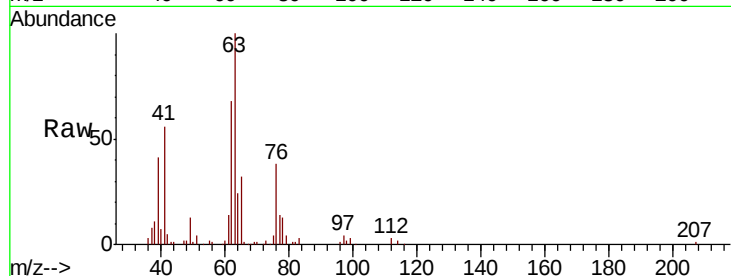
ClientSampled :

Tot Ion: 63 Resp: 109947

Ion Ratio Lower Upper

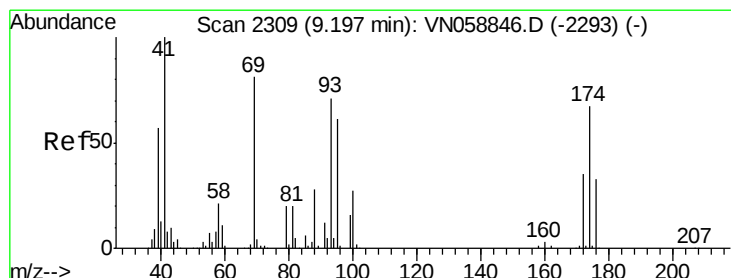
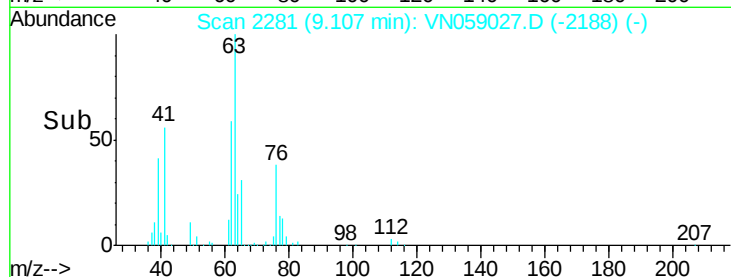
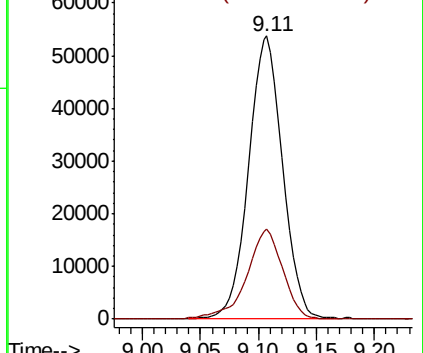
63 100

65 31.6 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 20.273 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

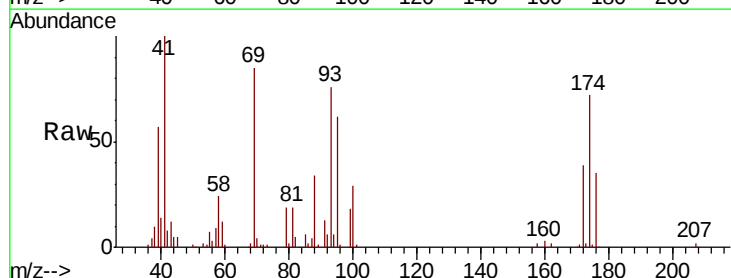
Tgt Ion: 93 Resp: 66055

Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

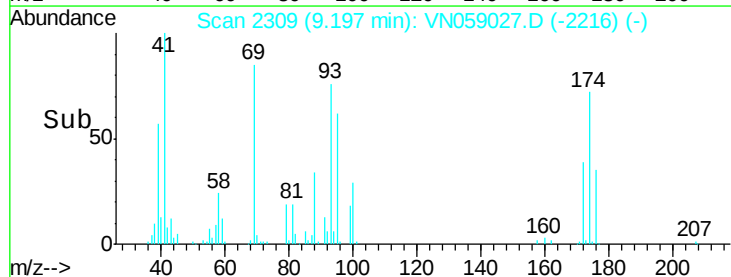
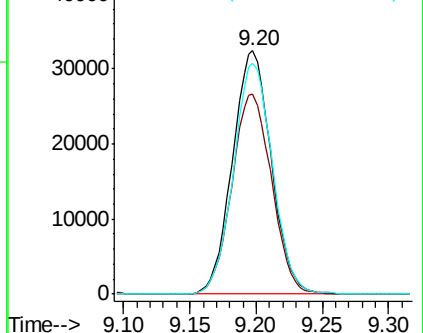
174 95.0 74.1 111.1

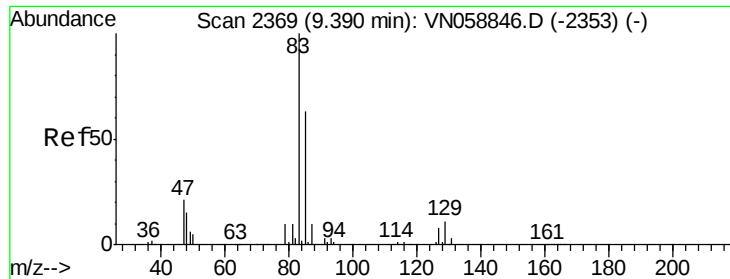


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

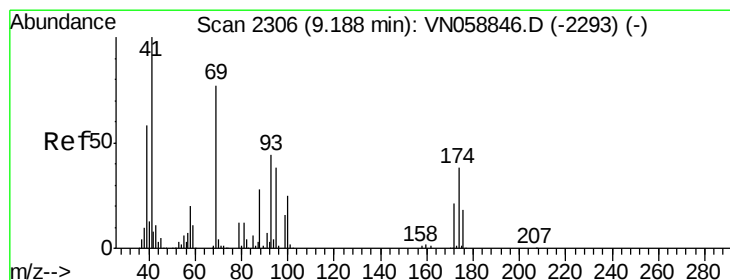
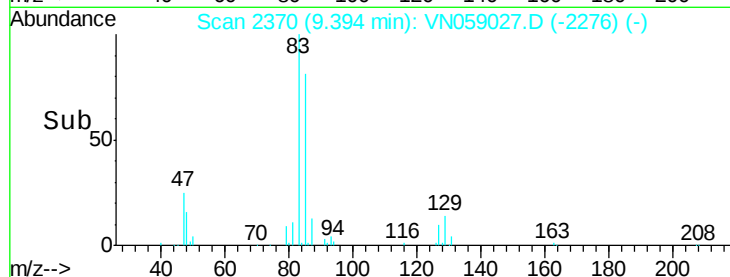
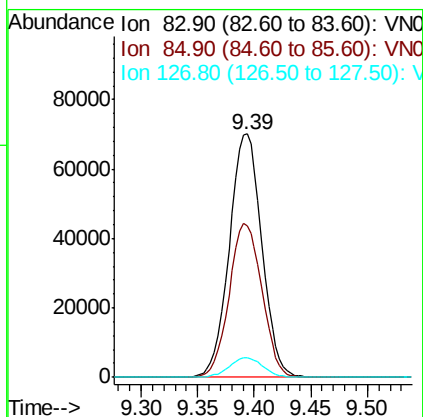
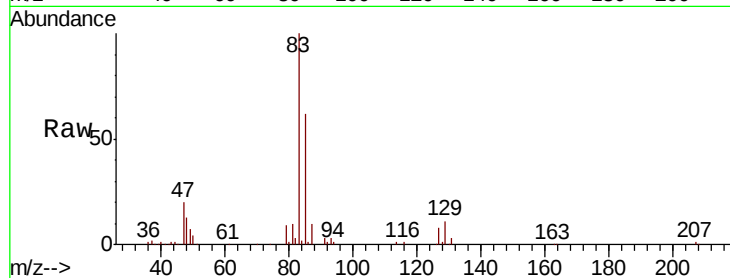




#47
Bromodichloromethane
Concen: 20.898 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

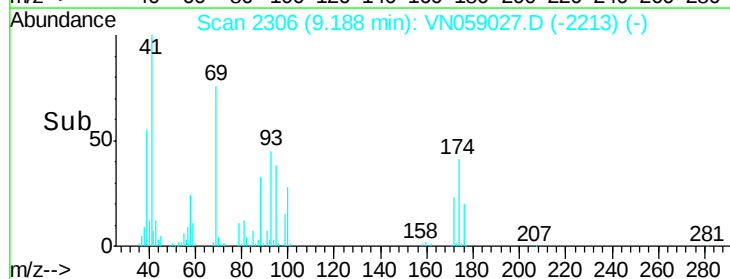
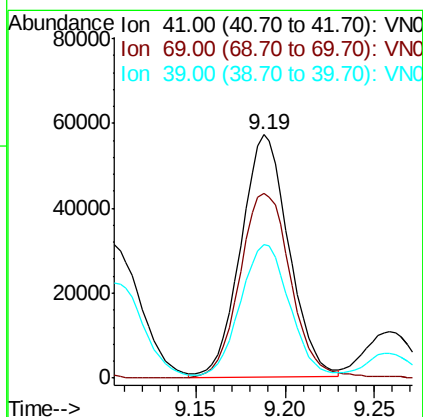
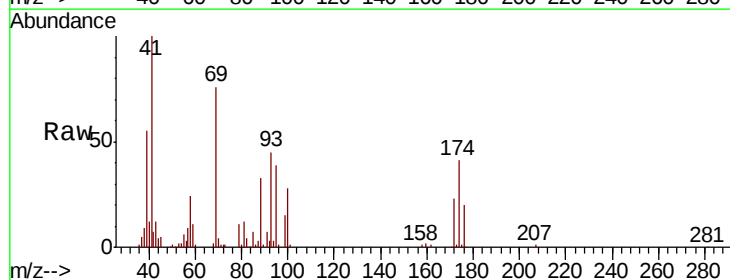
Instrument :
MSVOA_N
ClientSampled :

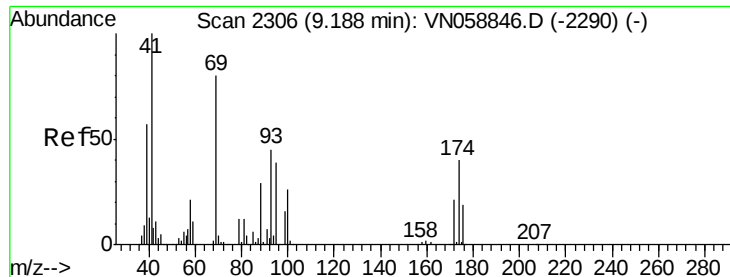
Tot Ion: 83 Resp: 140338
Ion Ratio Lower Upper
83 100
85 62.3 50.6 75.8
127 7.9 6.5 9.7



#48
Methyl methacrylate
Concen: 21.139 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 41 Resp: 107273
Ion Ratio Lower Upper
41 100
69 81.5 63.8 95.6
39 56.6 47.8 71.8





#49

1,4-Dioxane

Concen: 463.525 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :
MSVOA_N
ClientSampled :

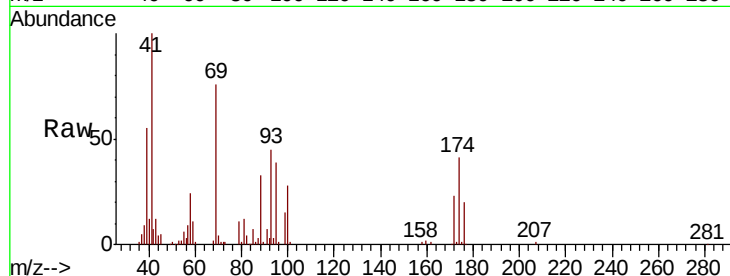
Tot Ion: 88 Resp: 38614

Ion Ratio Lower Upper

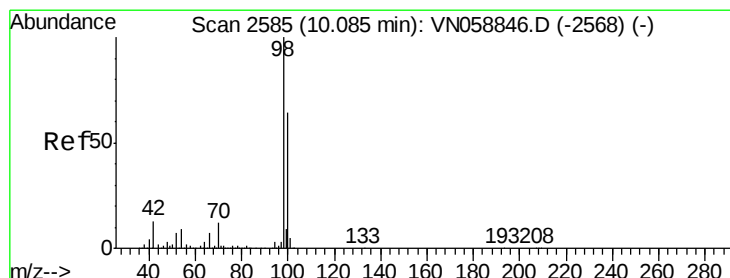
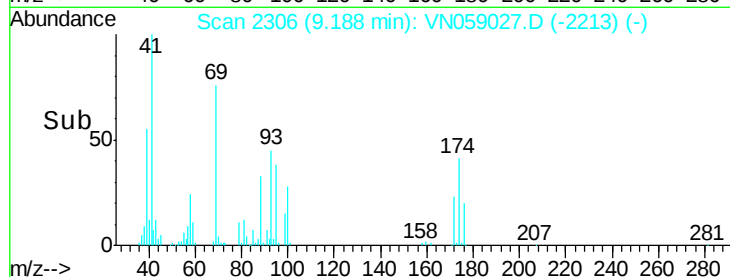
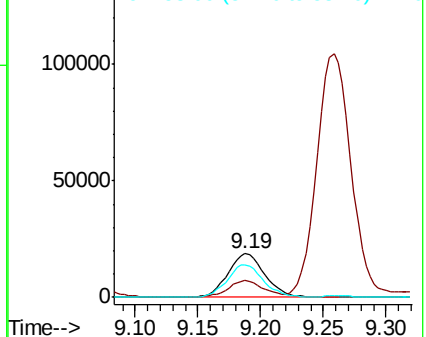
88 100

43 34.8 29.1 43.7

58 73.0 59.4 89.0



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: 47.720 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059027.D

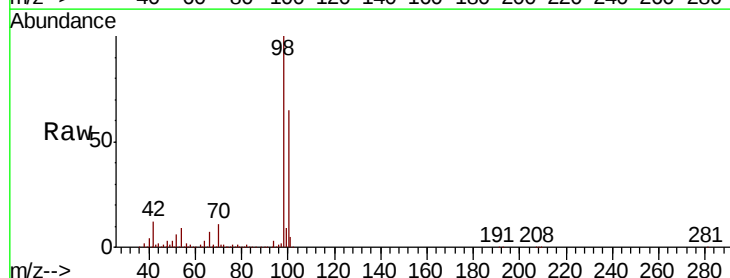
Acq: 31 Oct 2019 10:11

Tgt Ion: 98 Resp: 761426

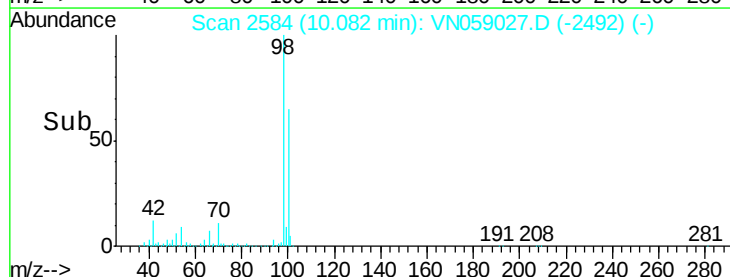
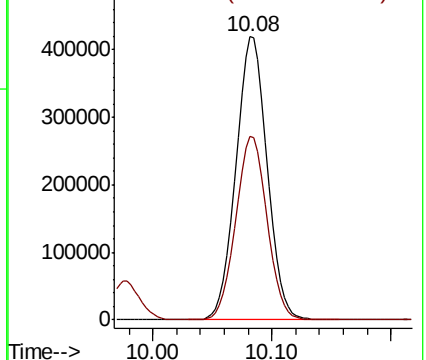
Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.2



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: 117.627 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

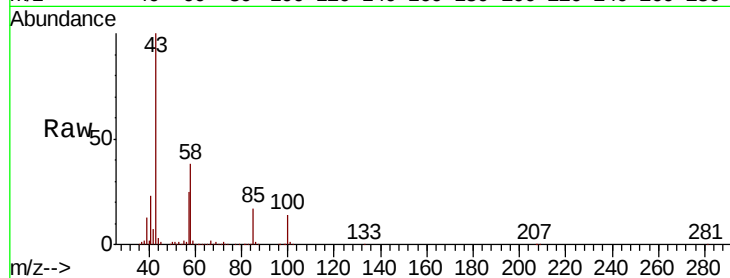
ClientSampleId :

Tot Ion: 43 Resp: 768473

Ion Ratio Lower Upper

43 100

58 37.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

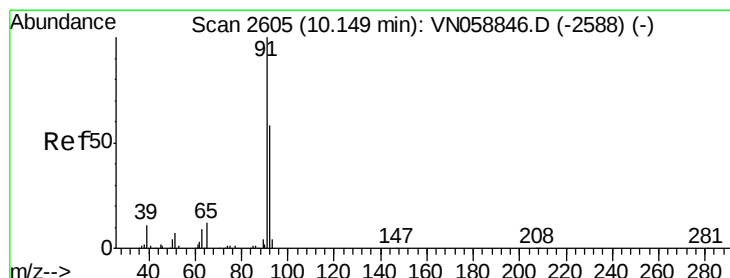
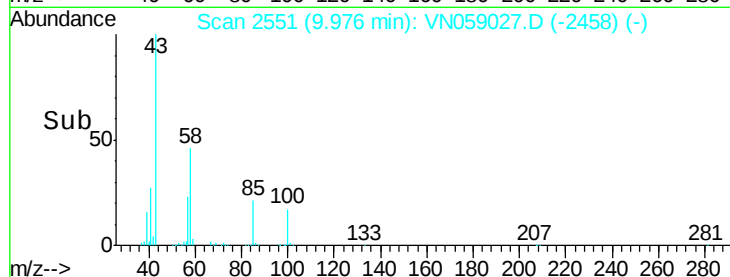
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.187 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059027.D

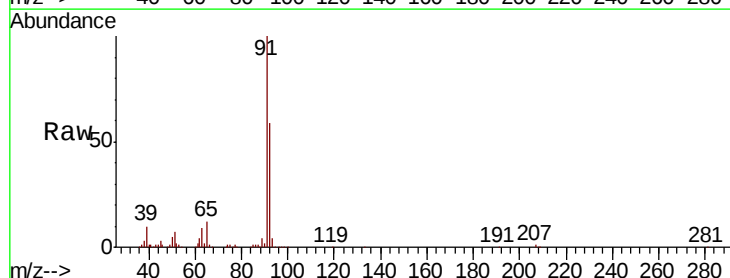
Acq: 31 Oct 2019 10:11

Tgt Ion: 92 Resp: 236153

Ion Ratio Lower Upper

92 100

91 175.0 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

250000

200000

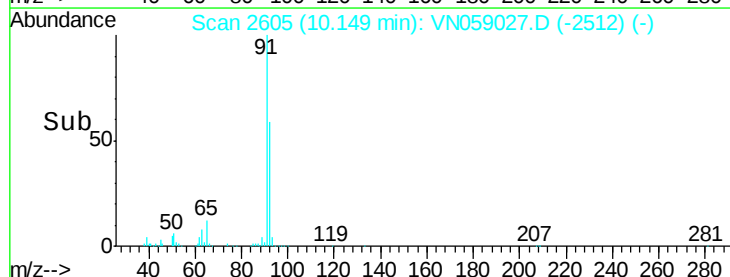
150000

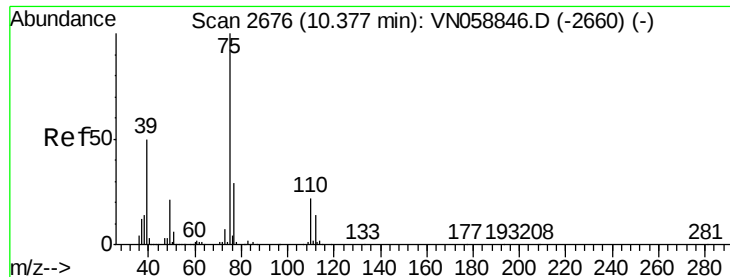
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.778 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

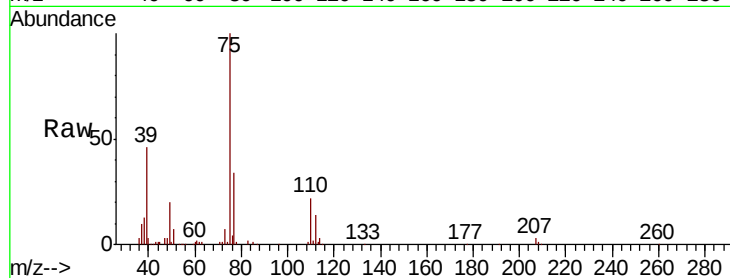
ClientSampleId :

Tot Ion: 75 Resp: 154463

Ion Ratio Lower Upper

75 100

77 32.6 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

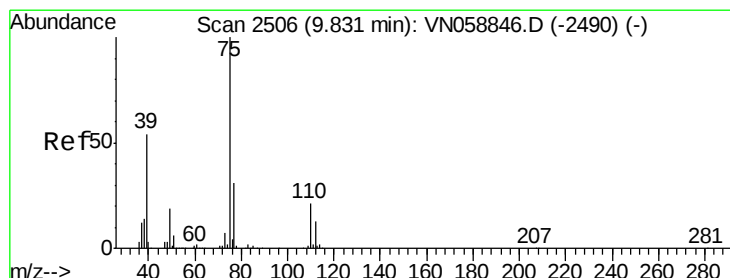
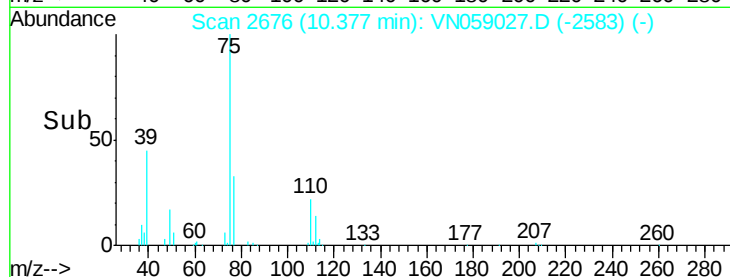
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.816 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

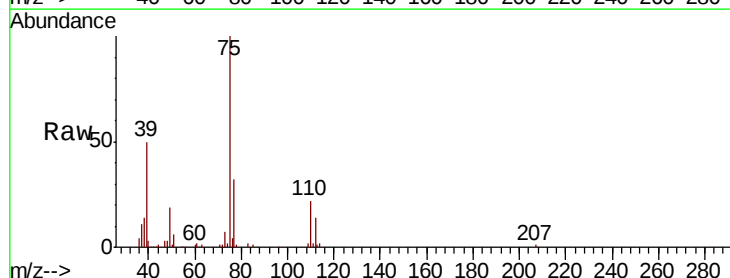
Tgt Ion: 75 Resp: 165327

Ion Ratio Lower Upper

75 100

77 31.8 24.7 37.1

39 49.7 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

120000

100000

80000

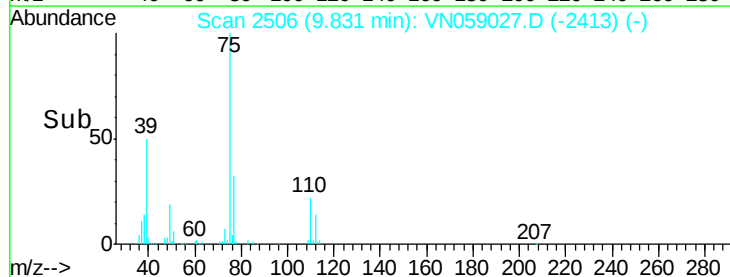
60000

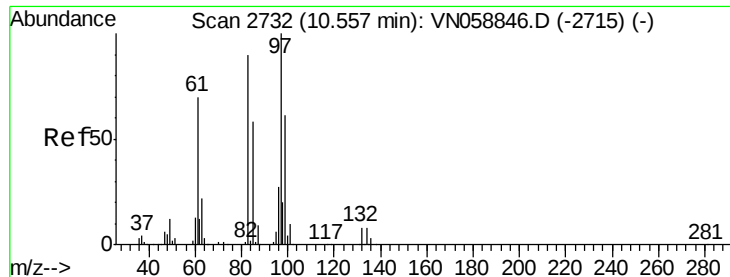
40000

20000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.113 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 96941

Ion	Ratio	Lower	Upper
97	100		
83	90.7	72.2	108.4
85	59.7	46.2	69.2
99	64.6	48.7	73.1

Abundance

Ion 96.90 (96.60 to 97.60): VNO

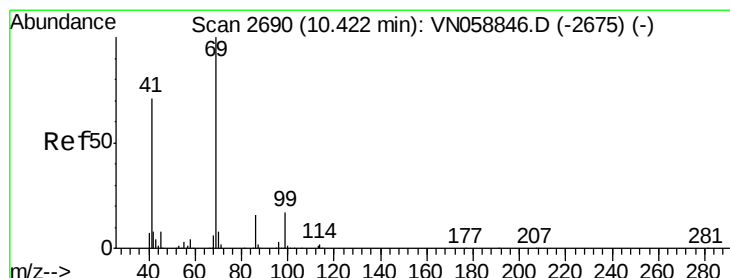
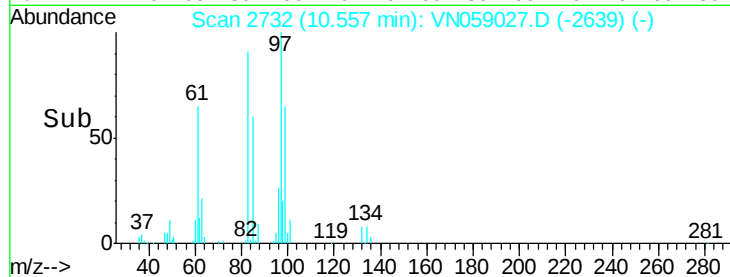
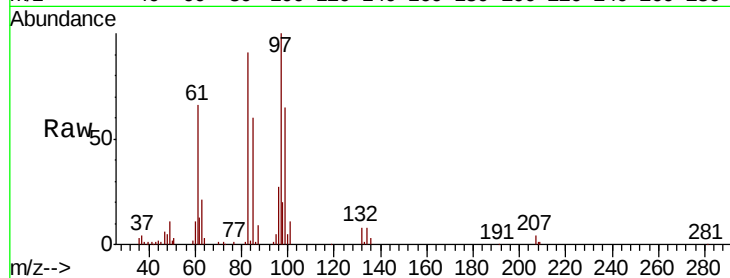
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.56

Time-->



#56

Ethyl methacrylate

Concen: 20.289 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion: 69 Resp: 146450

Ion	Ratio	Lower	Upper
69	100		
41	69.3	57.2	85.8
39	35.8	31.0	46.4

Abundance

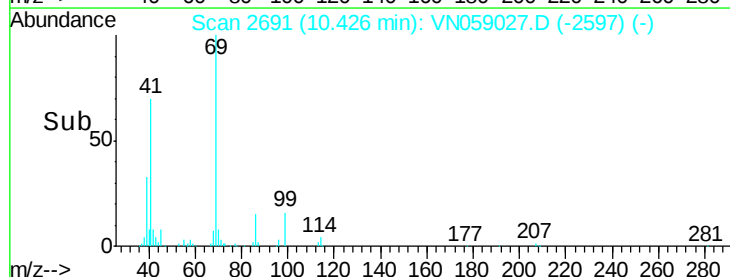
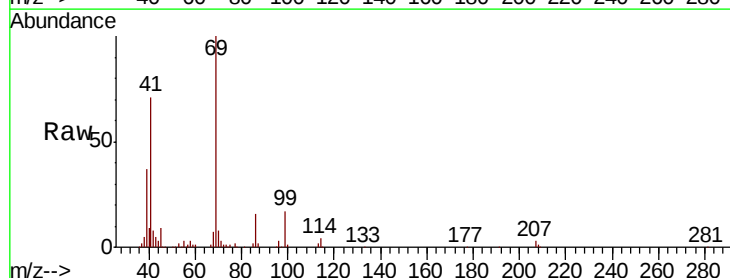
Ion 69.00 (68.70 to 69.70): VNO

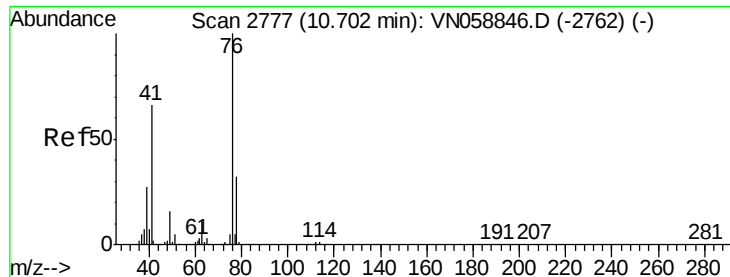
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.43

Time-->

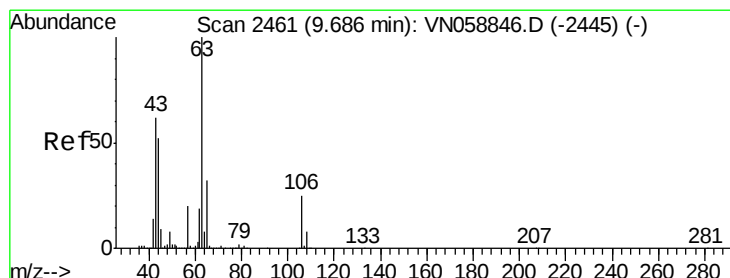
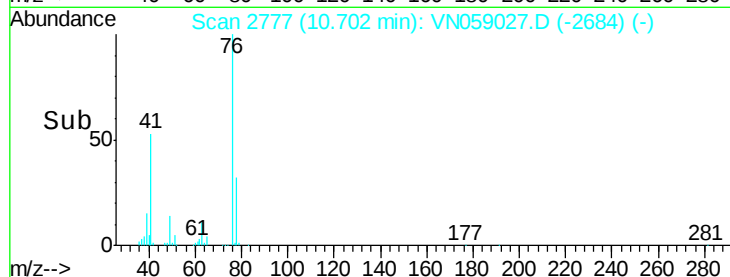
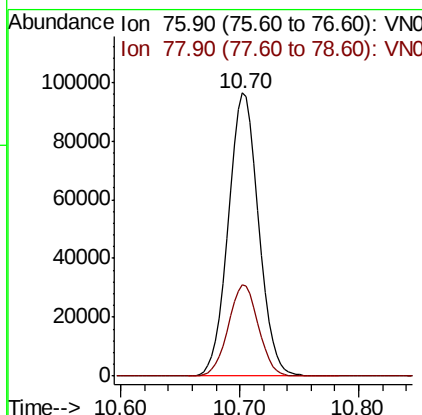
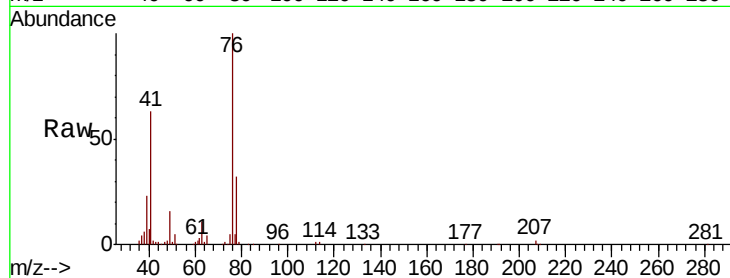




#57
 1,3-Dichloropropane
 Concen: 21.076 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

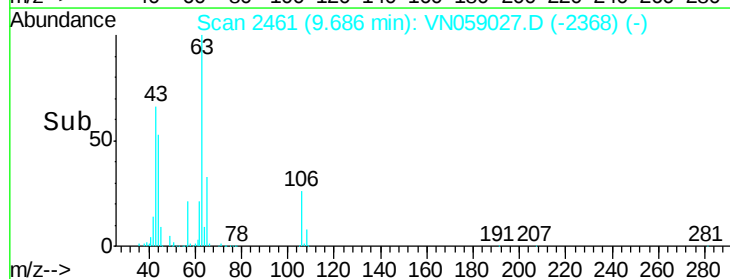
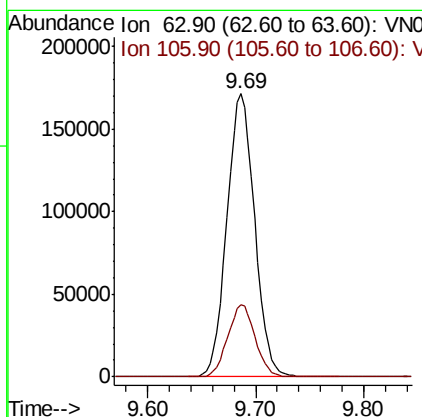
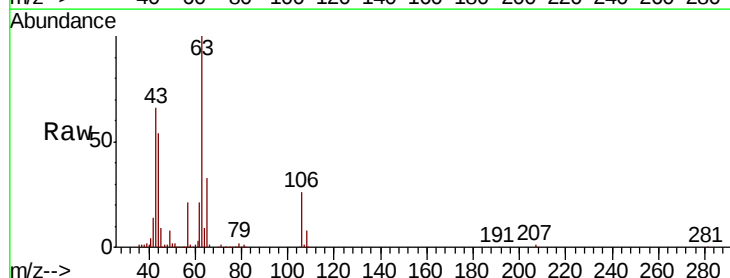
Instrument :
 MSVOA_N
 ClientSampled :

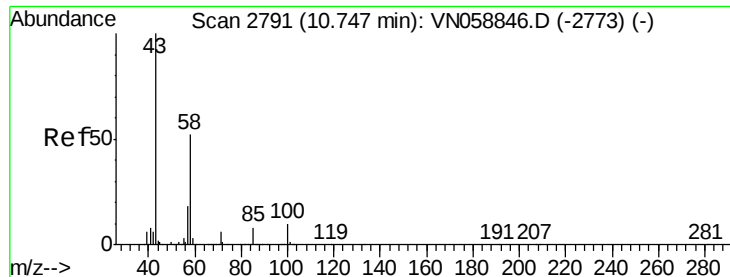
Tot Ion: 76 Resp: 169847
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.874 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 63 Resp: 307284
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.8 29.8

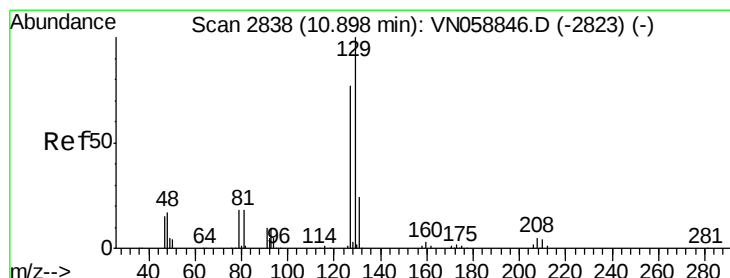
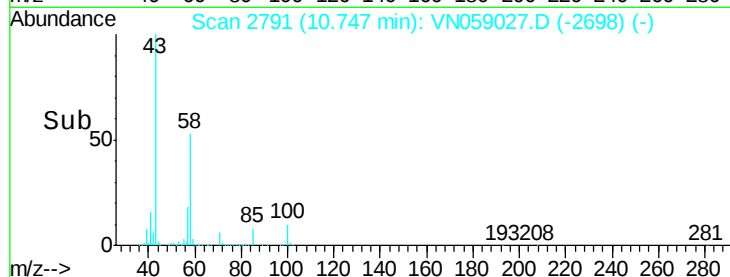
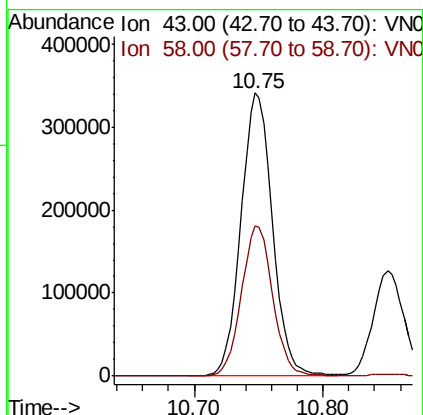
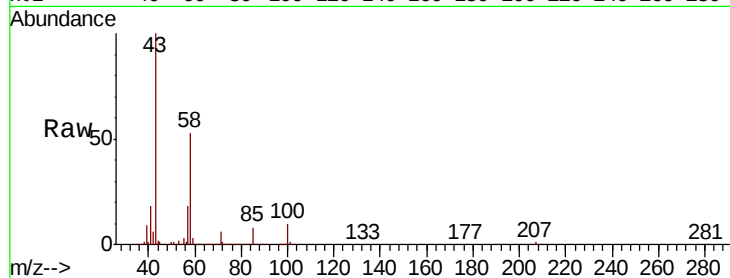




#59
2-Hexanone
Concen: 114.329 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

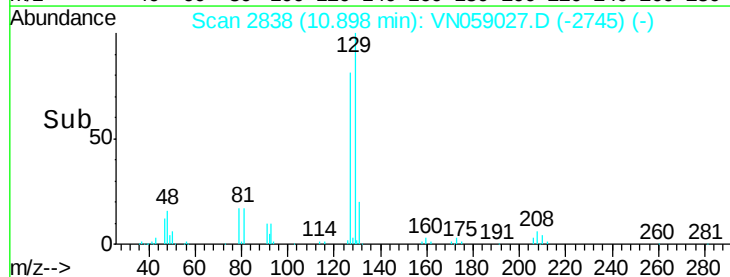
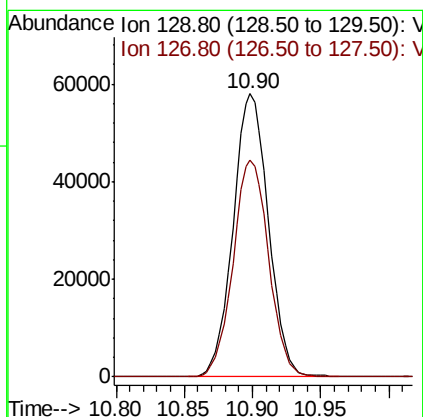
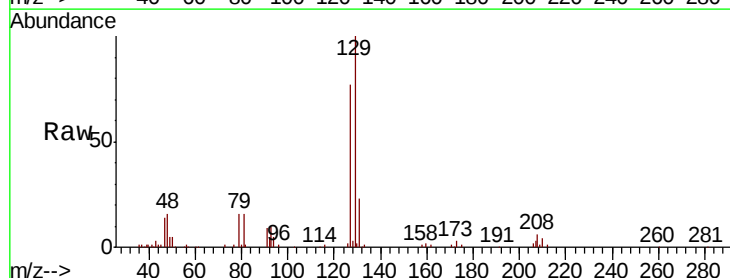
Instrument :
MSVOA_N
ClientSampleId :

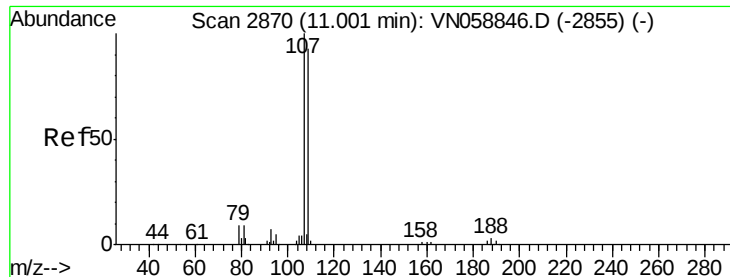
Tot Ion: 43 Resp: 577176
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7



#60
Dibromochloromethane
Concen: 21.046 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 129 Resp: 104013
Ion Ratio Lower Upper
129 100
127 77.1 39.1 117.3

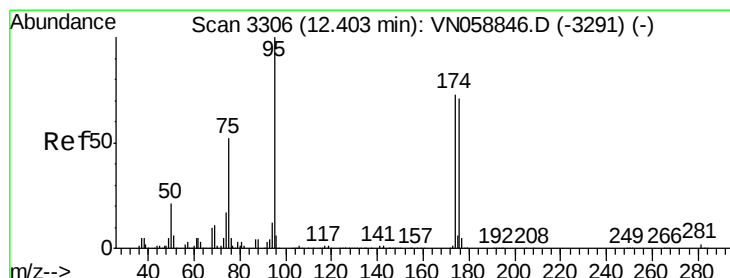
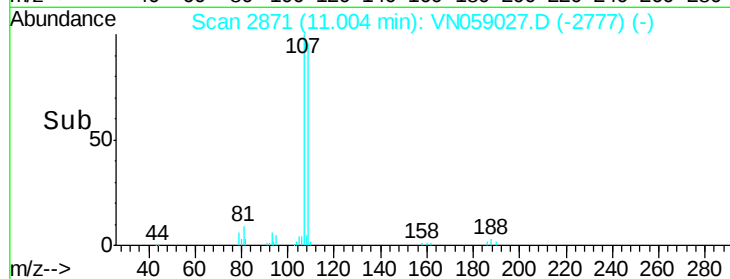
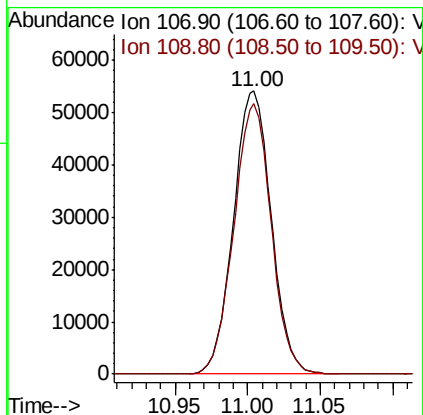
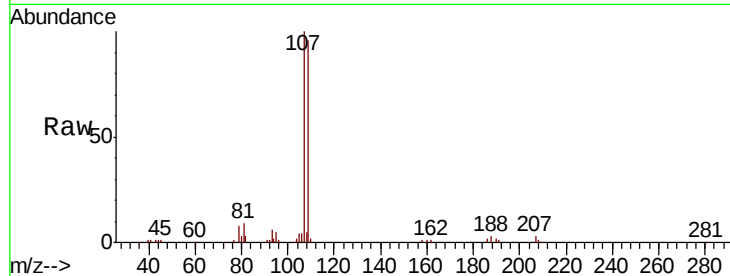




#61
 1,2-Dibromoethane
 Concen: 20.894 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

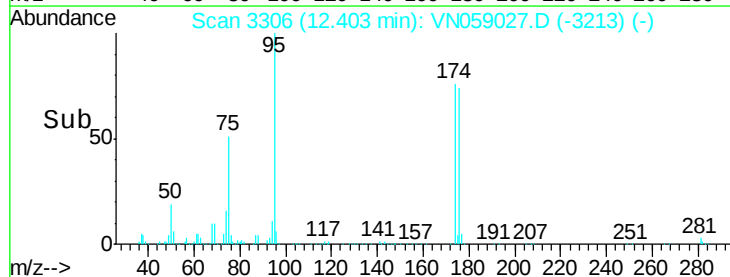
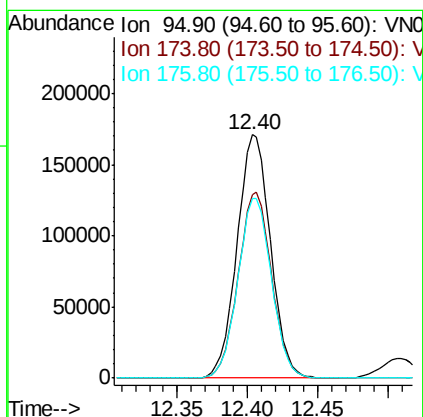
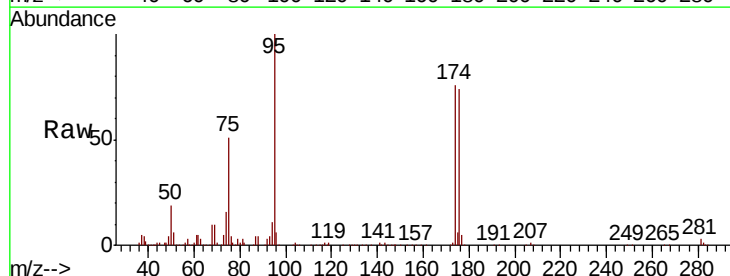
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 98181
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 48.472 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion: 95 Resp: 284020
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 147.6
 176 74.6 0.0 143.2

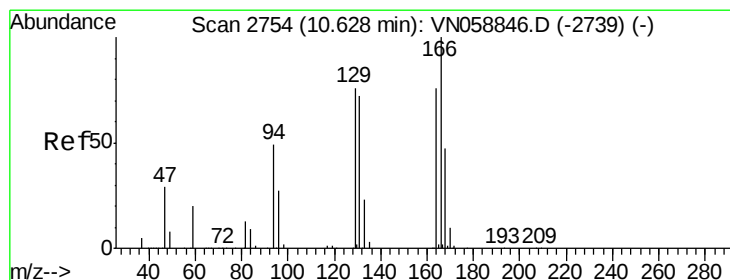
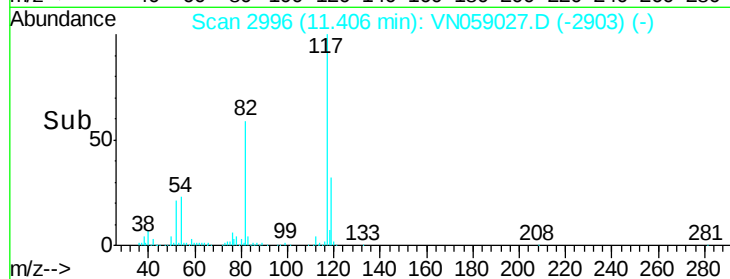
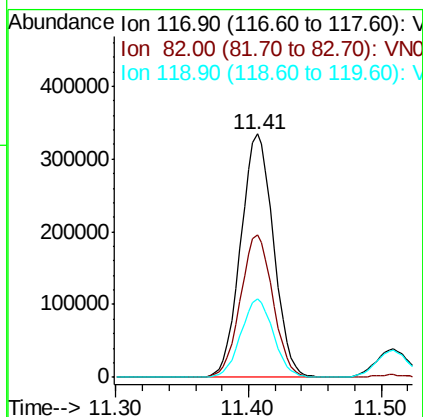
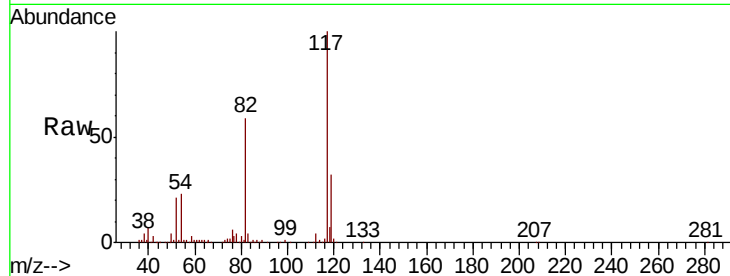




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

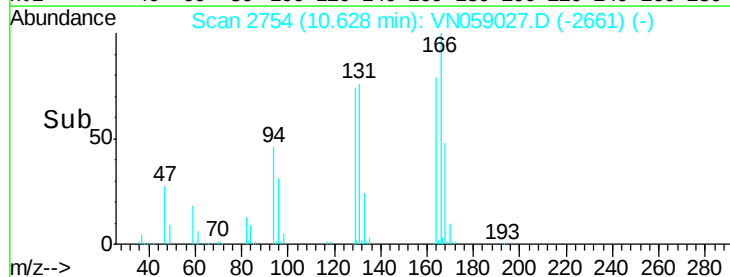
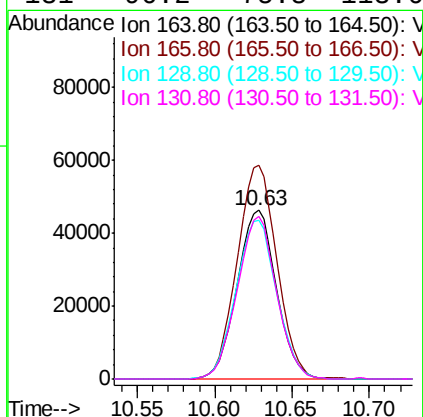
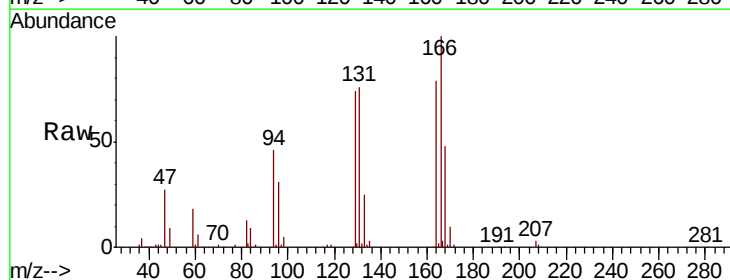
Instrument :
MSVOA_N
ClientSampleId :

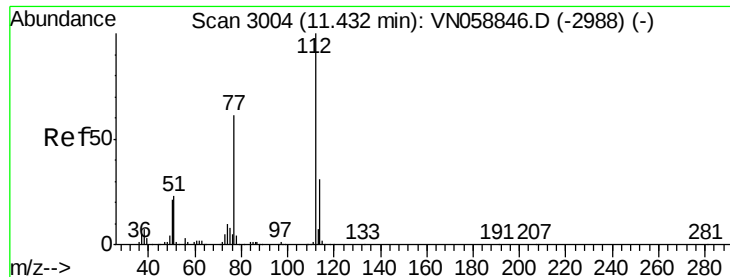
Tot Ion:117 Resp: 572680
Ion Ratio Lower Upper
117 100
82 58.5 46.6 69.8
119 32.0 25.6 38.4



#64
Tetrachloroethene
Concen: 20.392 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion:164 Resp: 81784
Ion Ratio Lower Upper
164 100
166 126.7 104.8 157.2
129 94.2 79.3 118.9
131 96.2 75.8 113.6





#65

Chlorobenzene

Concen: 21.236 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

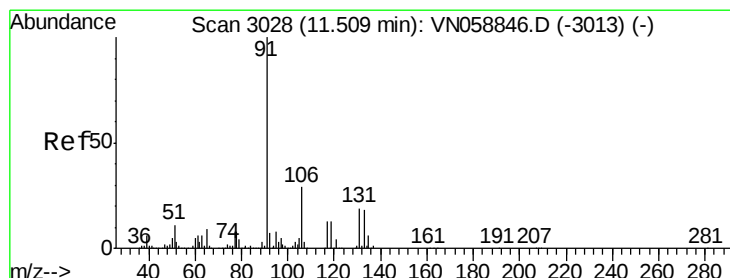
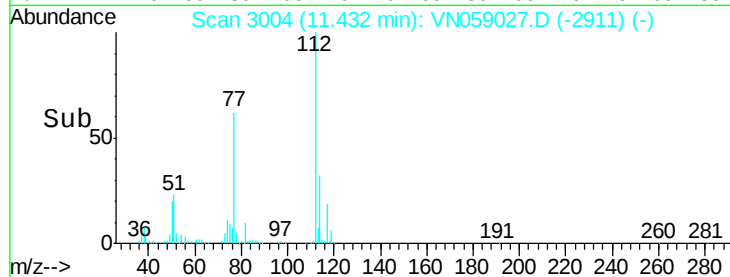
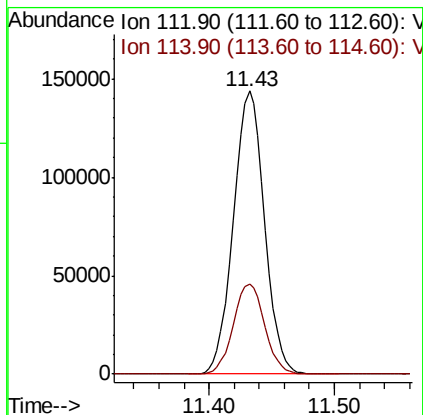
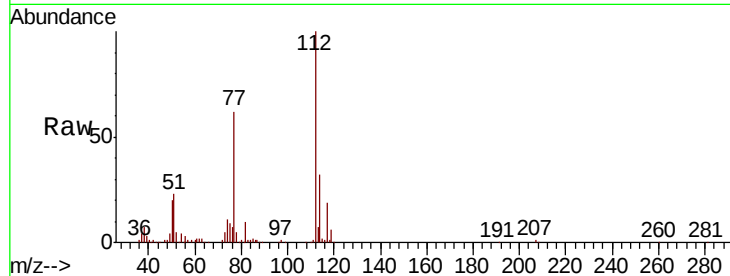
ClientSampleId :

Tot Ion:112 Resp: 247590

Ion Ratio Lower Upper

112 100

114 31.9 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 21.721 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

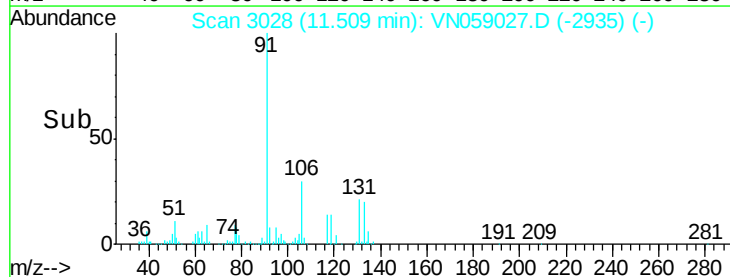
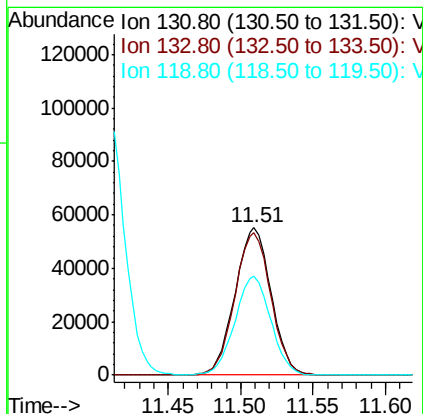
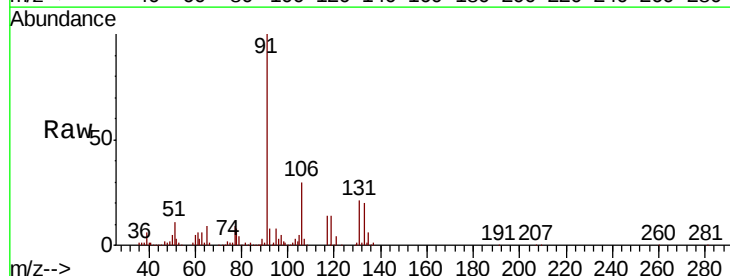
Tgt Ion:131 Resp: 95562

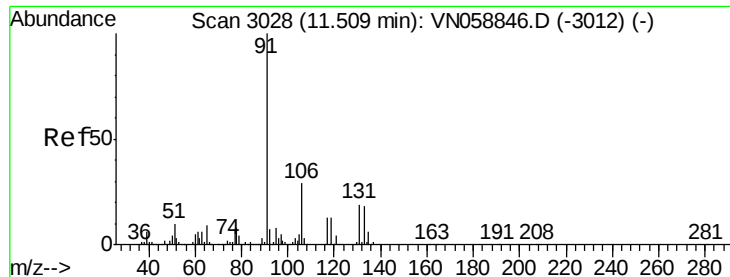
Ion Ratio Lower Upper

131 100

133 97.0 48.4 145.2

119 67.0 33.6 100.8

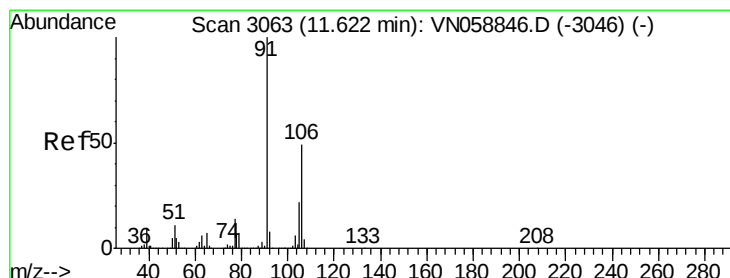
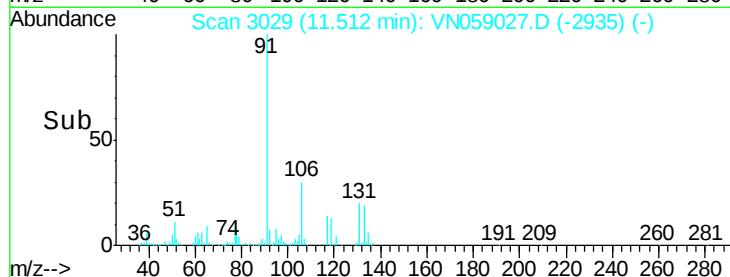
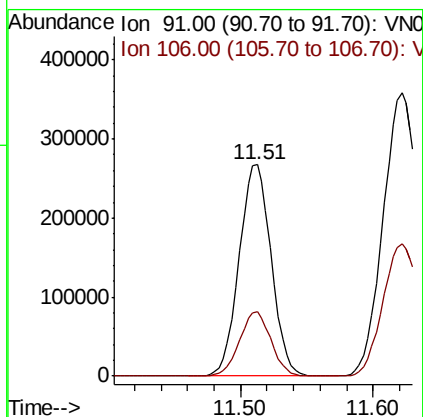
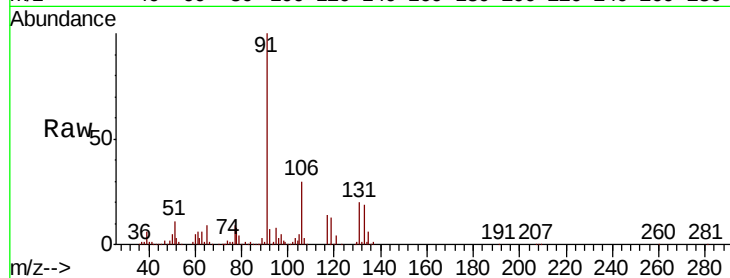




#67
Ethyl Benzene
Concen: 21.940 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

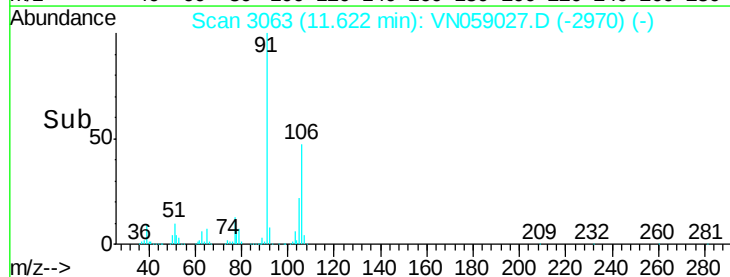
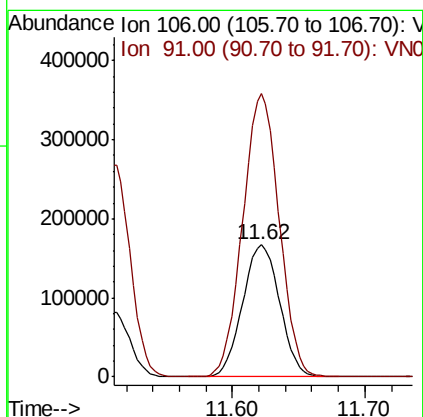
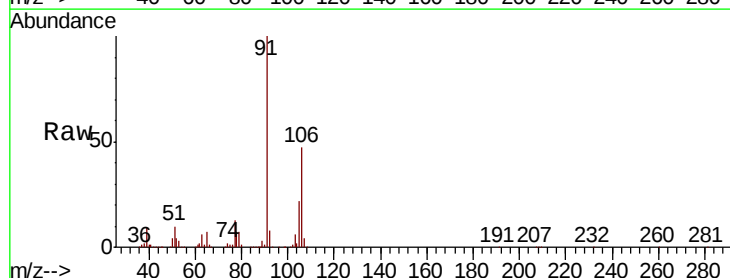
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 448736
Ion Ratio Lower Upper
91 100
106 30.3 23.4 35.0



#68
m/p-Xylenes
Concen: 42.769 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 106 Resp: 324396
Ion Ratio Lower Upper
106 100
91 210.9 166.6 249.8





#69

o-Xylene

Concen: 21.533 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

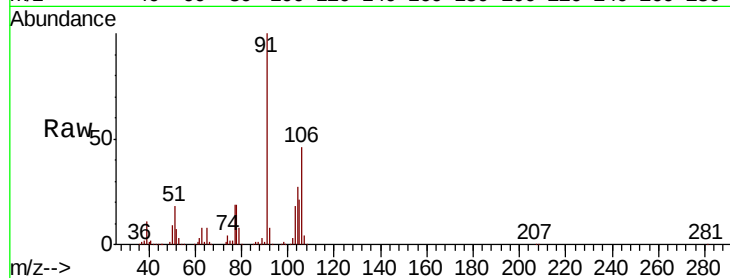
ClientSampled :

Tot Ion:106 Resp: 155769

Ion Ratio Lower Upper

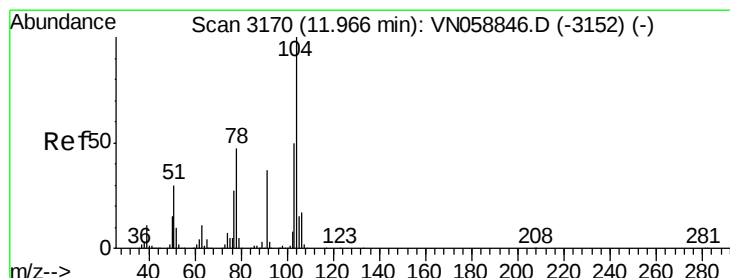
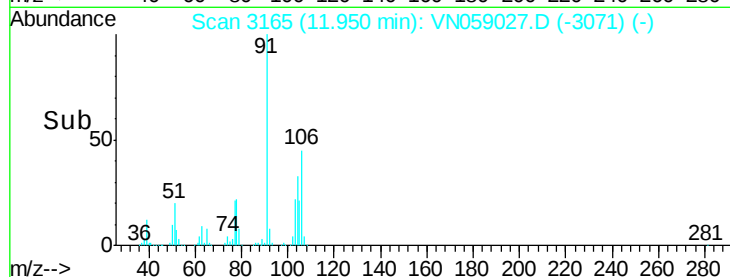
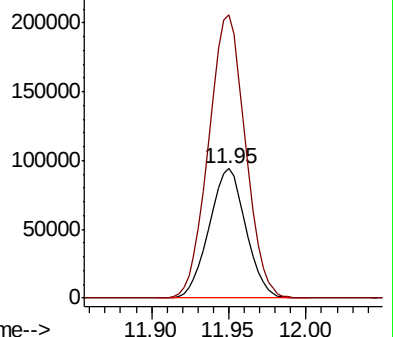
106 100

91 219.4 111.5 334.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.087 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

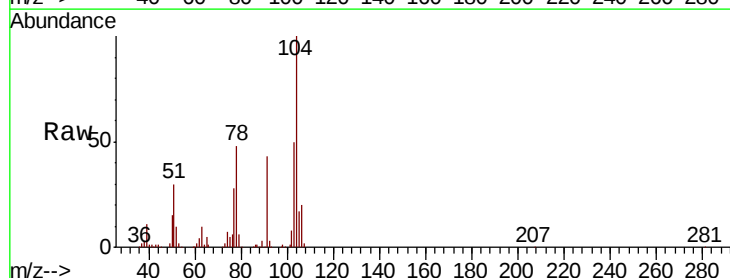
Tgt Ion:104 Resp: 254033

Ion Ratio Lower Upper

104 100

78 53.1 42.8 64.2

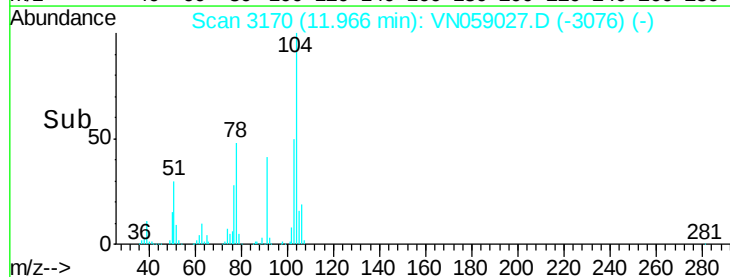
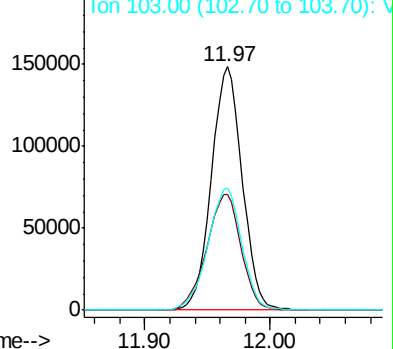
103 55.0 44.3 66.5

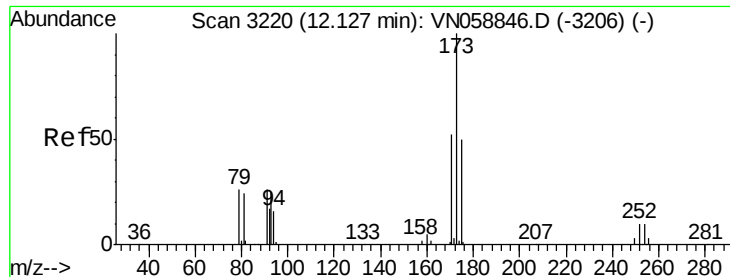


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 21.262 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

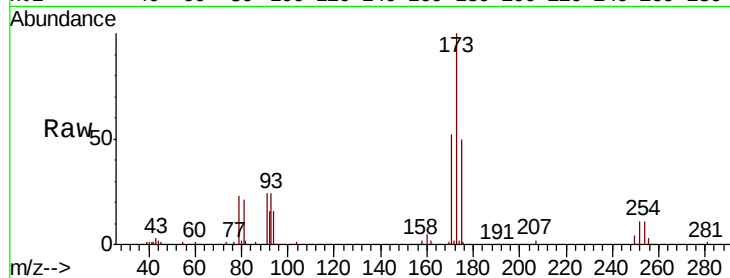
Tot Ion:173 Resp: 72539

Ion Ratio Lower Upper

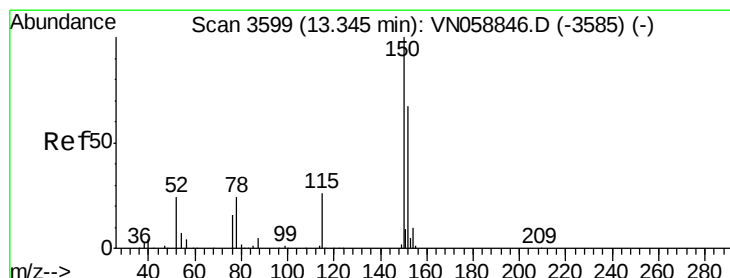
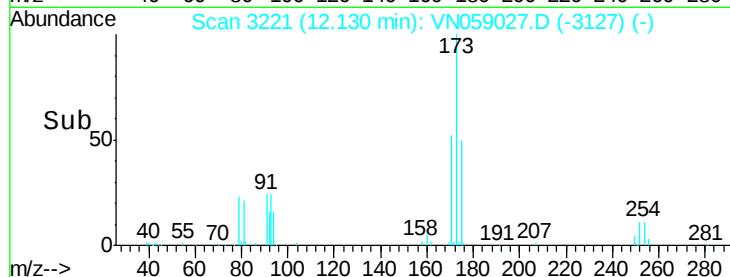
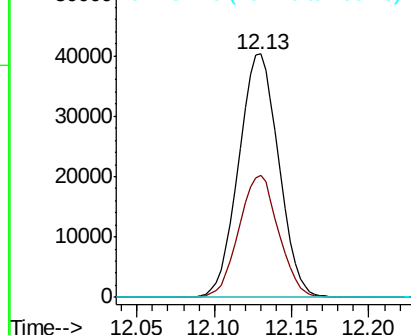
173 100

175 49.6 24.7 74.1

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

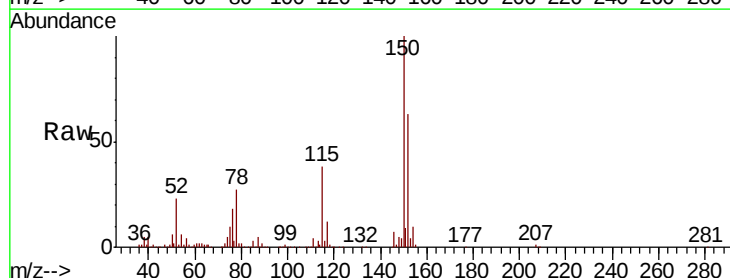
Tgt Ion:152 Resp: 267093

Ion Ratio Lower Upper

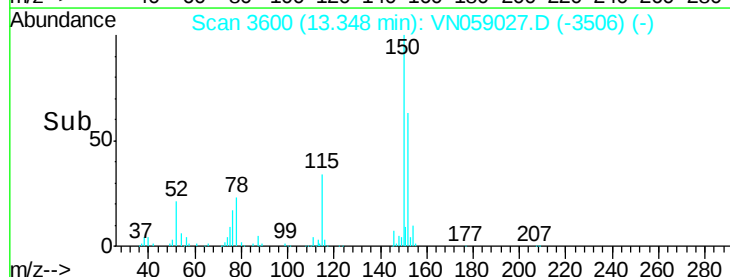
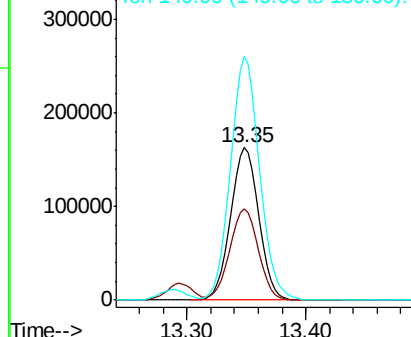
152 100

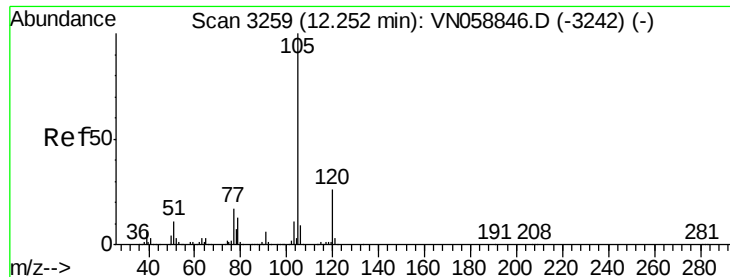
115 60.4 30.5 91.5

150 164.1 0.0 344.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.881 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

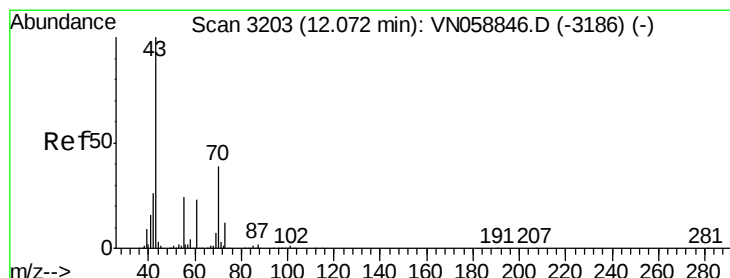
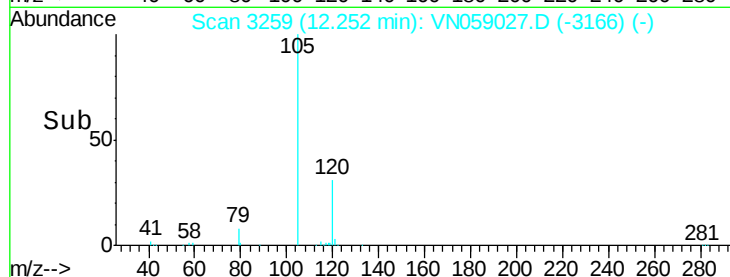
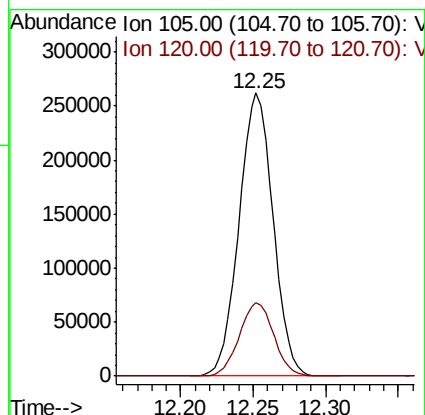
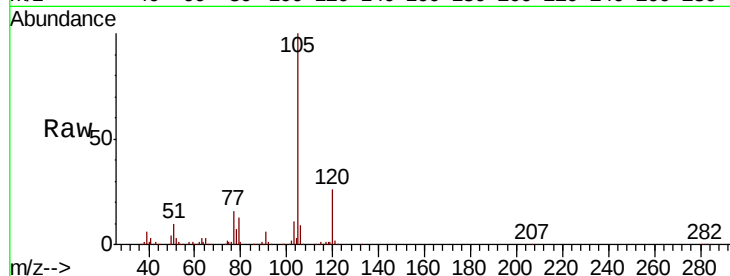
ClientSampleId :

Tot Ion:105 Resp: 427101

Ion Ratio Lower Upper

105 100

120 26.0 12.8 38.4



#74

N-ethyl acetate

Concen: 21.808 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion: 43 Resp: 192983

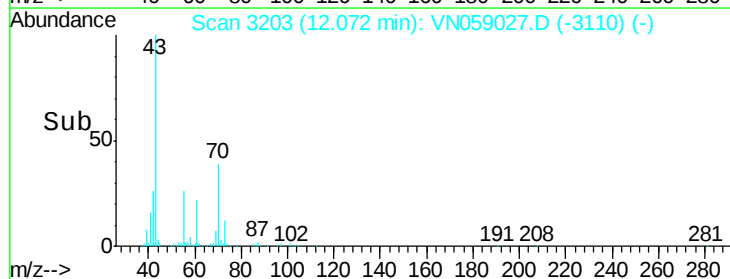
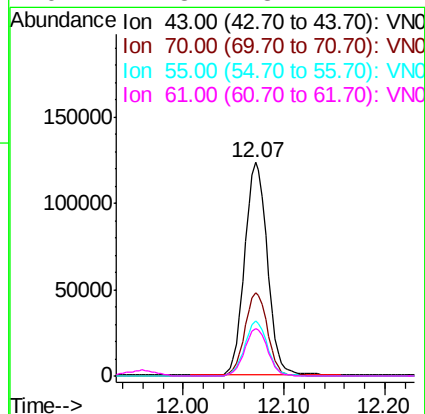
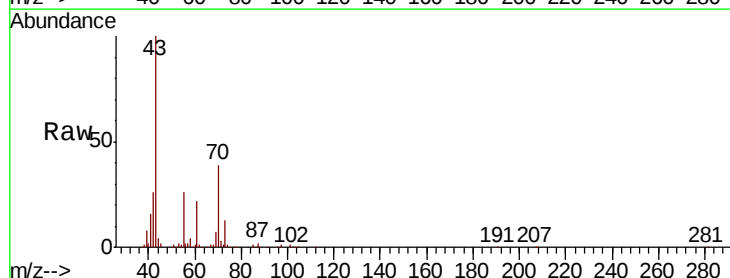
Ion Ratio Lower Upper

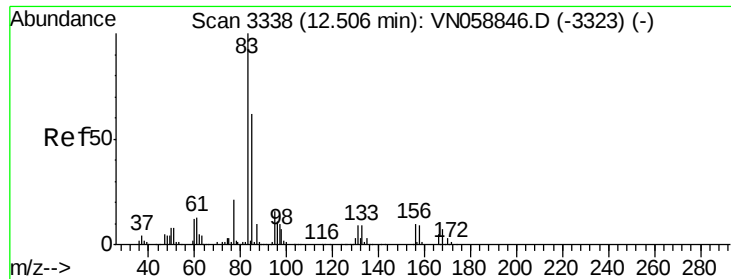
43 100

70 39.1 30.9 46.3

55 25.9 19.7 29.5

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 22.192 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

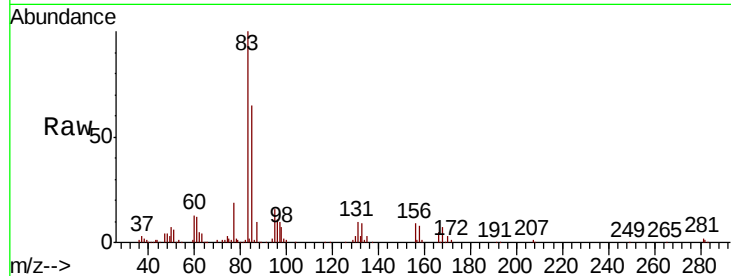
Tot Ion: 83 Resp: 152314

Ion Ratio Lower Upper

83 100

131 10.0 4.7 14.1

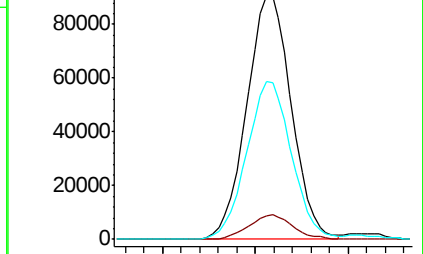
85 64.9 31.7 95.1



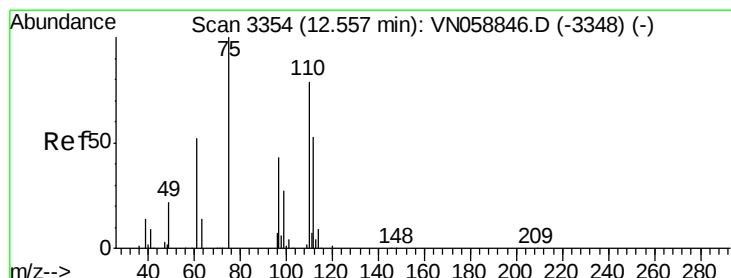
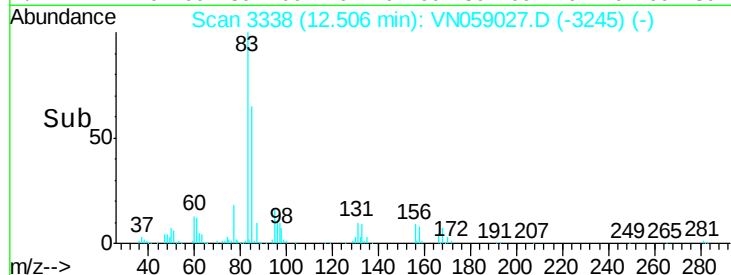
Abundance Ion 82.90 (82.60 to 83.60): VN059027.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059027.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059027.D (-3245) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 32.515 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN059027.D

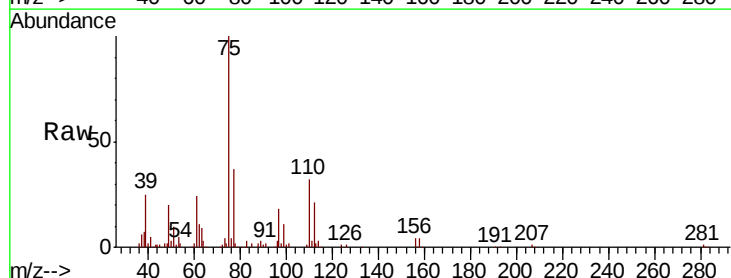
Acq: 31 Oct 2019 10:11

Tgt Ion: 75 Resp: 201271

Ion Ratio Lower Upper

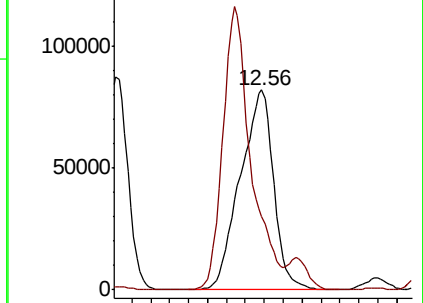
75 100

77 0.0 0.0 0.0

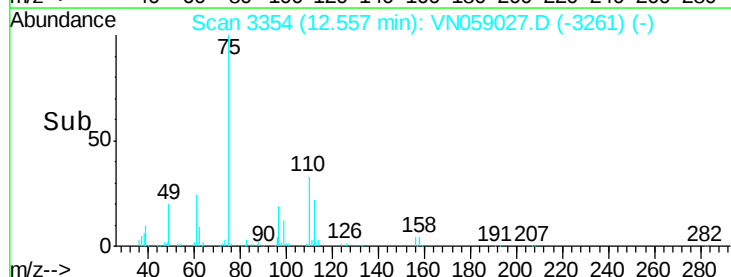


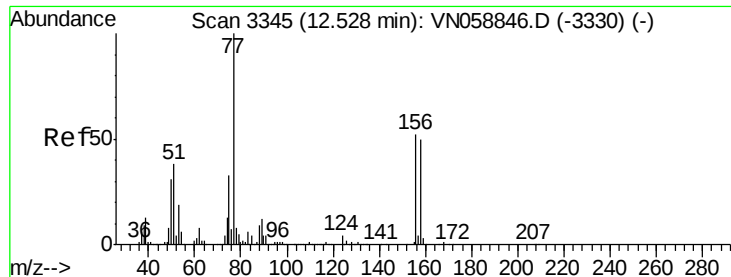
Abundance Ion 74.90 (74.60 to 75.60): VN059027.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN059027.D (-3261) (-)



Time-->





#77

Bromobenzene

Concen: 21.685 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

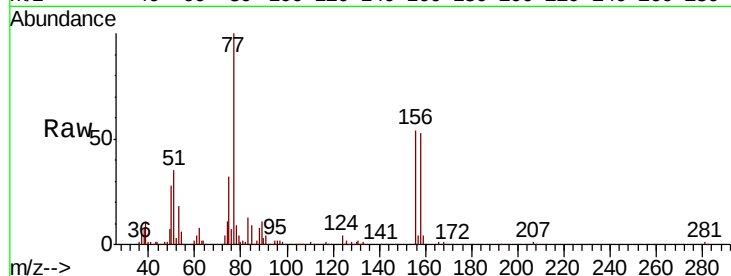
Tot Ion:156 Resp: 104332

Ion Ratio Lower Upper

156 100

77 229.6 118.0 354.0

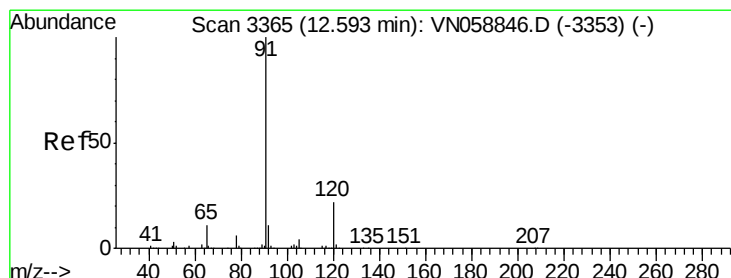
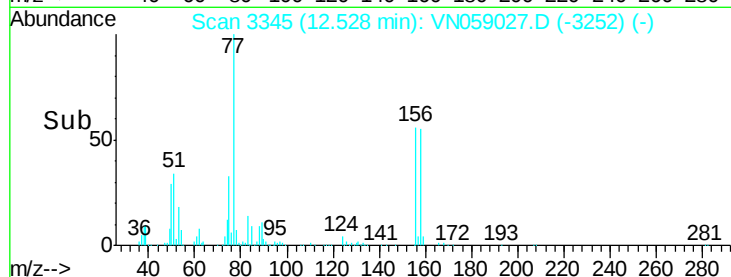
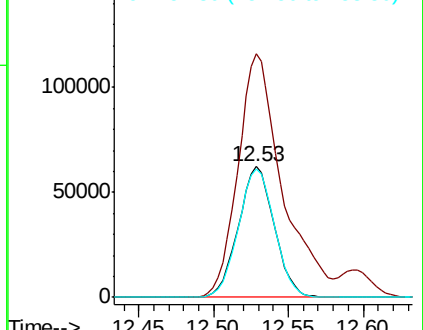
158 99.0 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.627 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059027.D

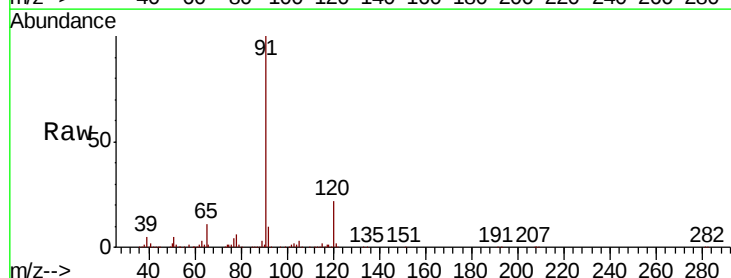
Acq: 31 Oct 2019 10:11

Tgt Ion: 91 Resp: 499003

Ion Ratio Lower Upper

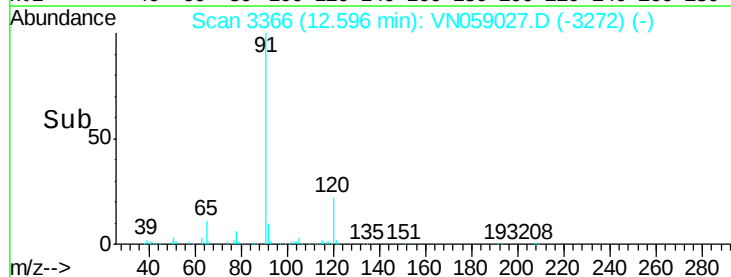
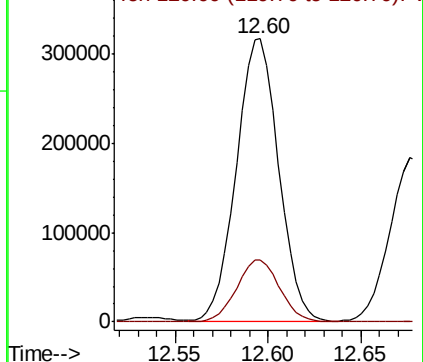
91 100

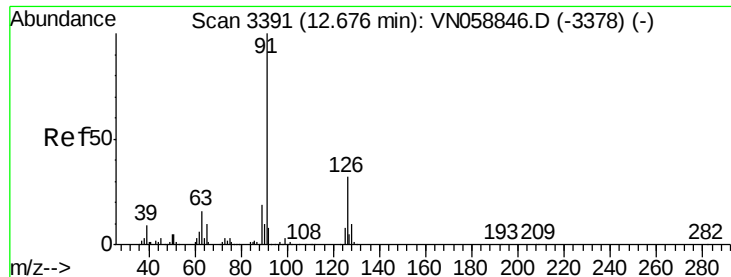
120 22.3 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.492 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

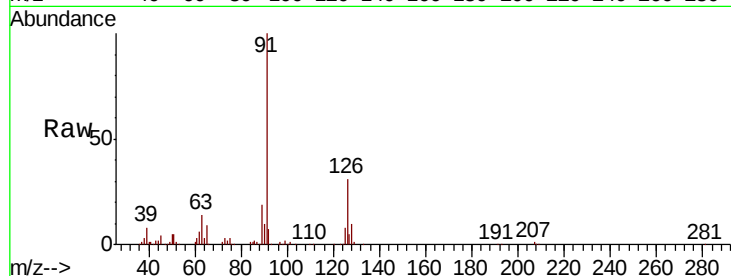
ClientSampleId :

Tot Ion: 91 Resp: 303494

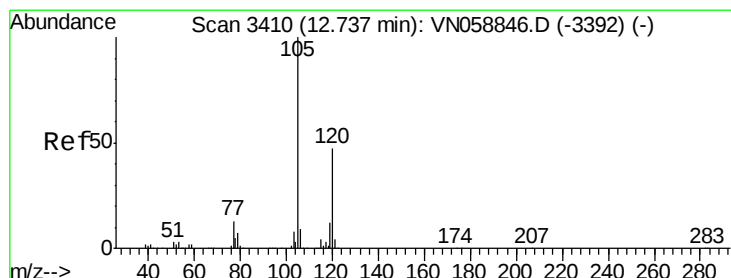
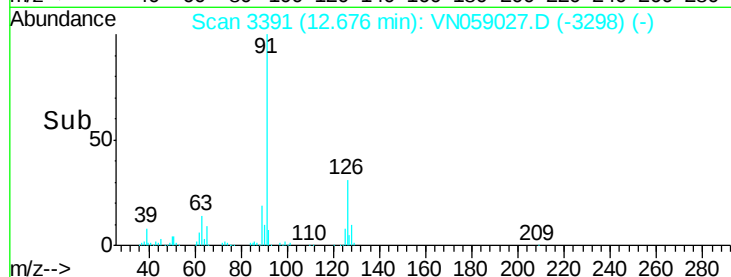
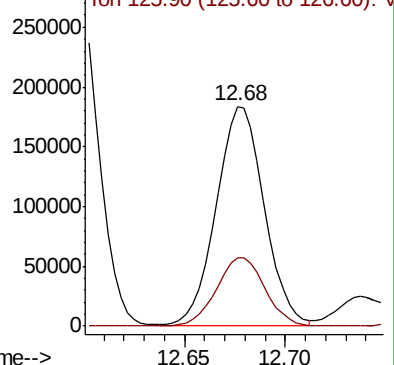
Ion Ratio Lower Upper

91 100

126 32.0 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.103 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN059027.D

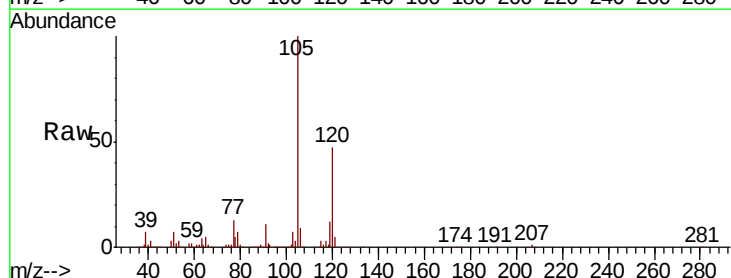
Acq: 31 Oct 2019 10:11

Tgt Ion: 105 Resp: 362484

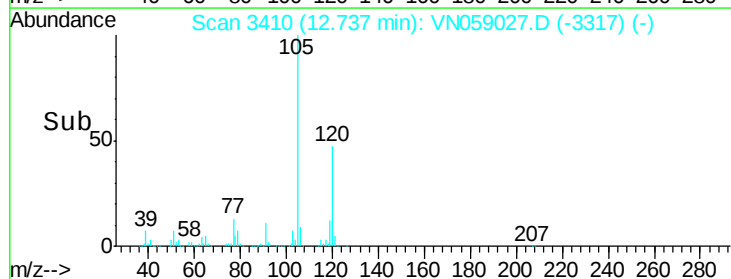
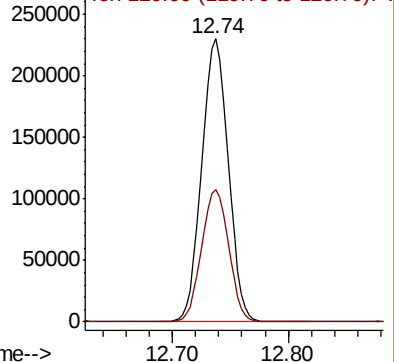
Ion Ratio Lower Upper

105 100

120 47.9 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): VN058846.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.331 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampleId :

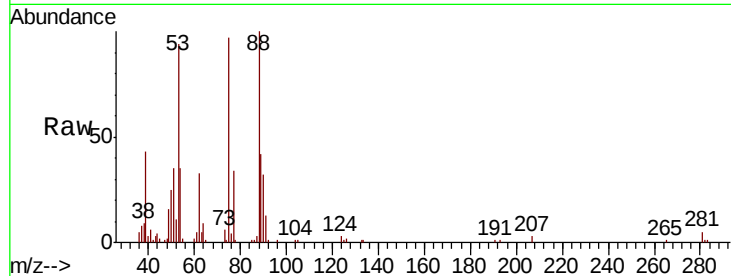
Tot Ion: 75 Resp: 50687

Ion Ratio Lower Upper

75 100

53 95.6 78.6 118.0

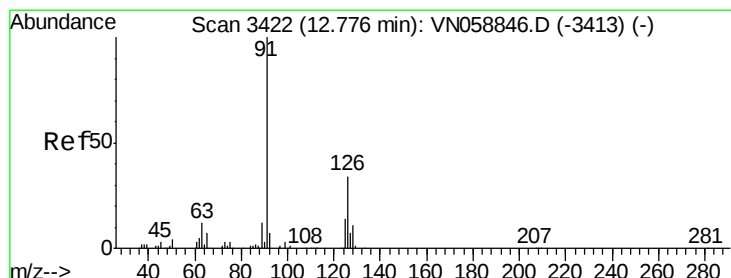
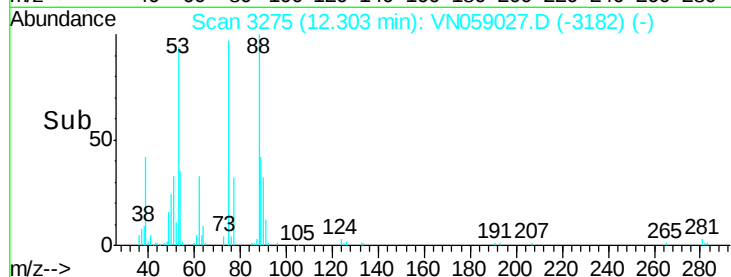
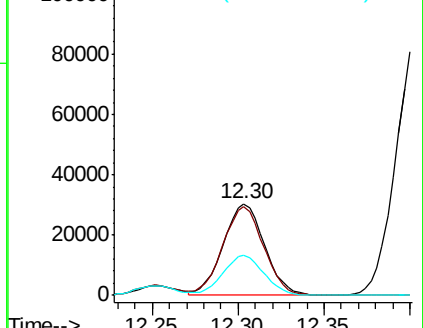
89 42.9 35.4 53.0



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: 21.230 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN059027.D

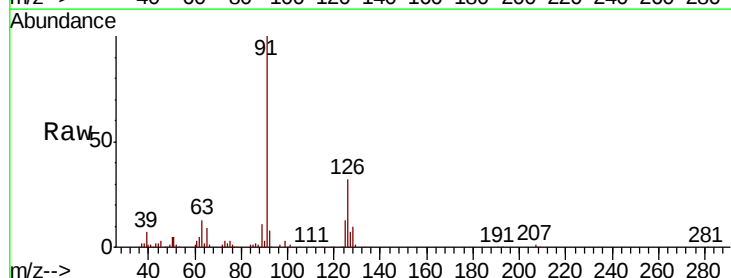
Acq: 31 Oct 2019 10:11

Tgt Ion: 91 Resp: 306367

Ion Ratio Lower Upper

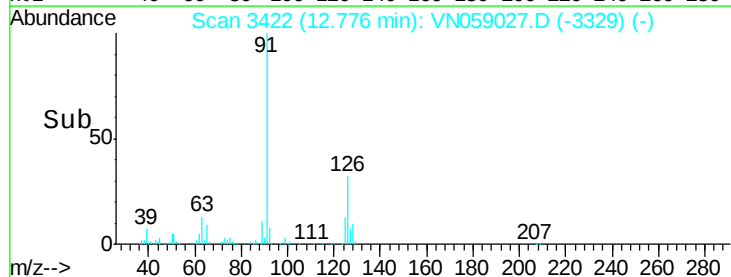
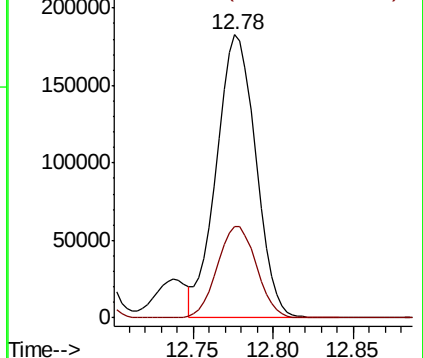
91 100

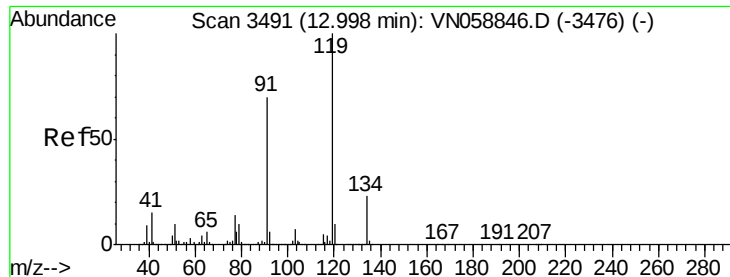
126 32.3 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

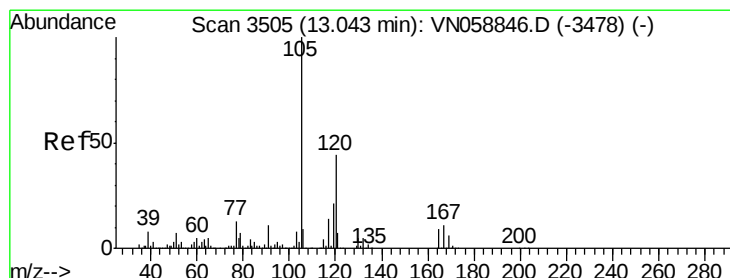
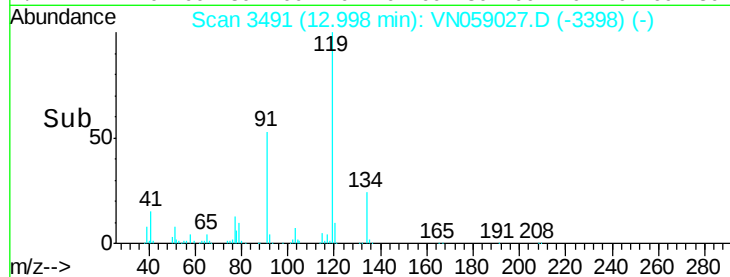
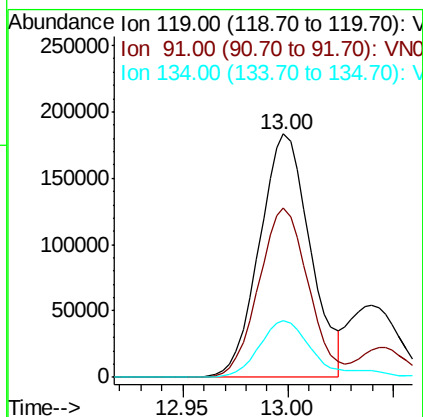
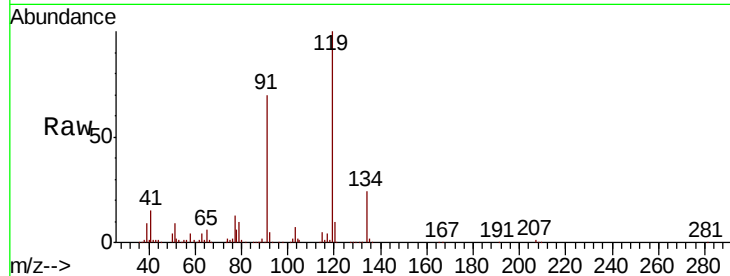




#83
tert-Butylbenzene
Concen: 21.887 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

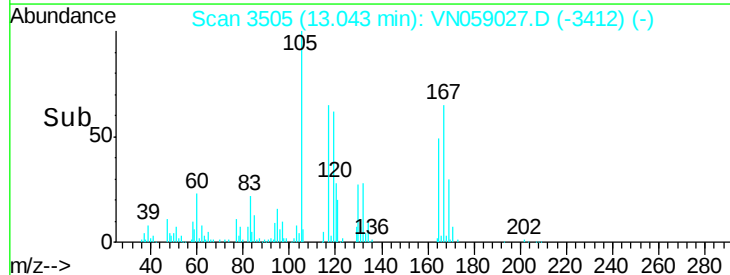
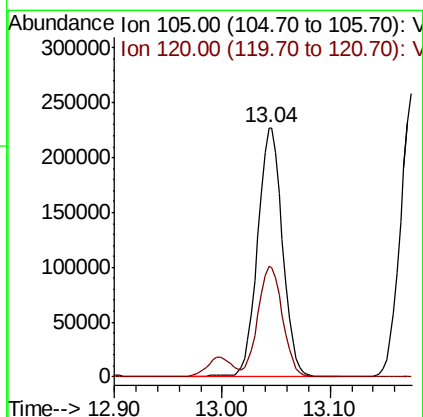
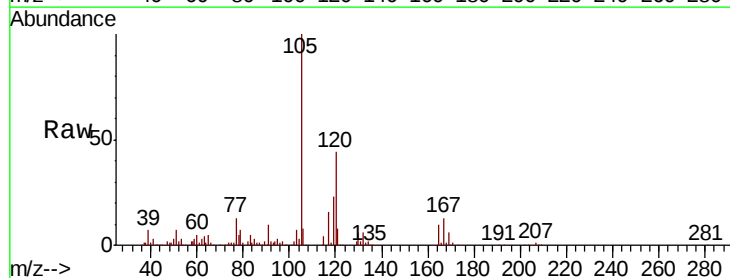
Instrument :
MSVOA_N
ClientSampleId :

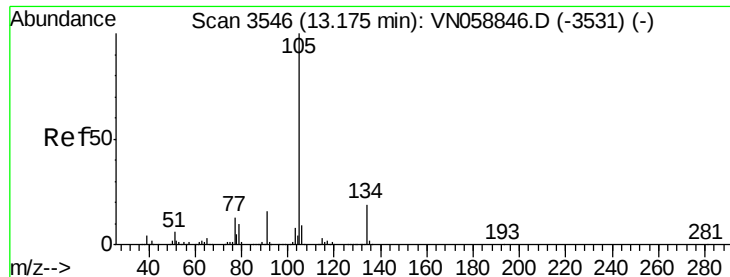
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.1	102.3
134	23.5	11.6	34.8



#84
1,2,4-Trimethylbenzene
Concen: 22.458 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.9	21.9	65.8





#85

sec-Butylbenzene

Concen: 22.295 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

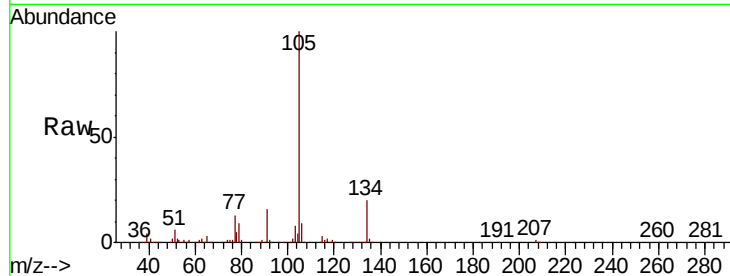
ClientSampled :

Tot Ion:105 Resp: 416865

Ion Ratio Lower Upper

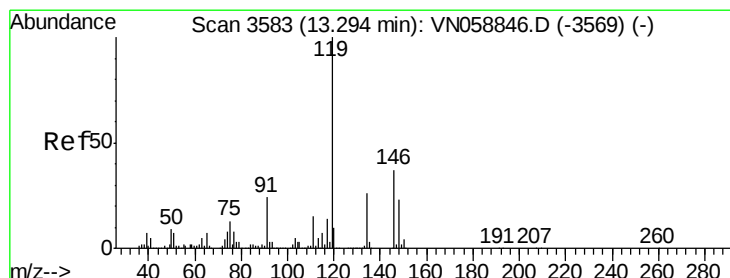
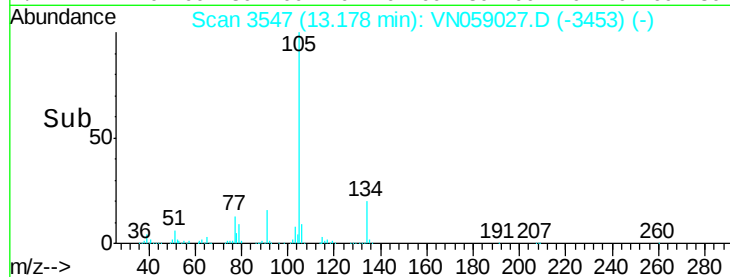
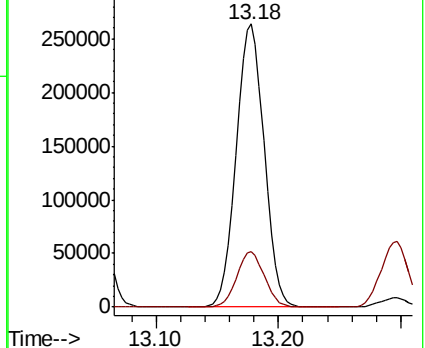
105 100

134 19.3 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.334 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

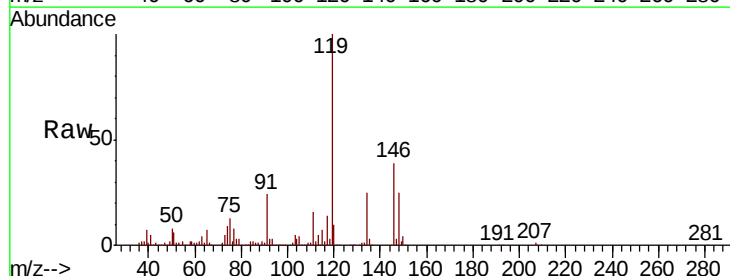
Tgt Ion:119 Resp: 368463

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

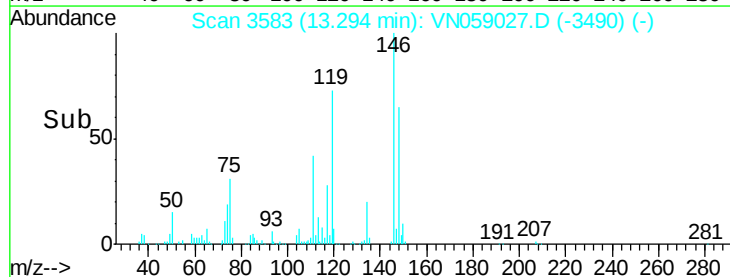
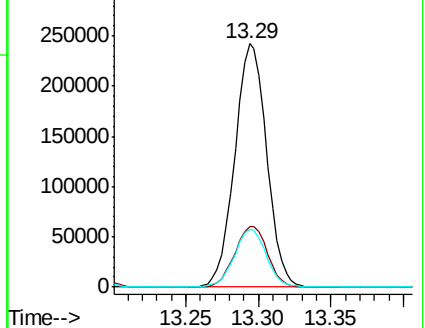
91 23.8 12.2 36.4

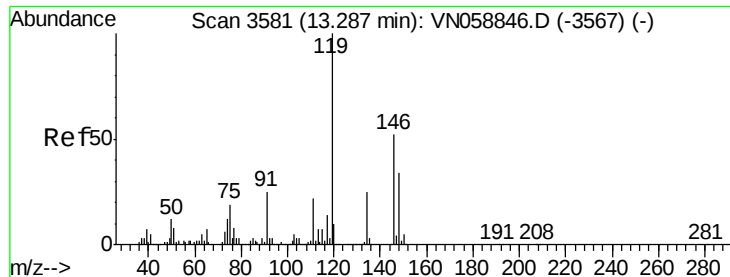


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.964 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

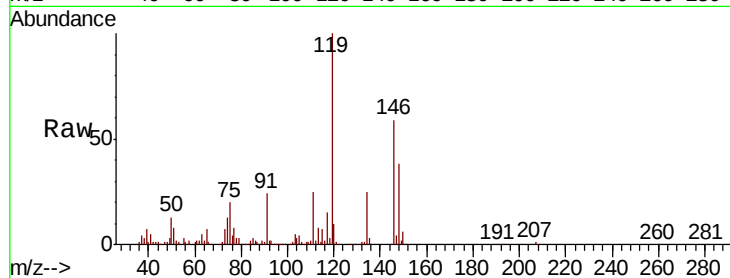
Tot Ion:146 Resp: 180349

Ion Ratio Lower Upper

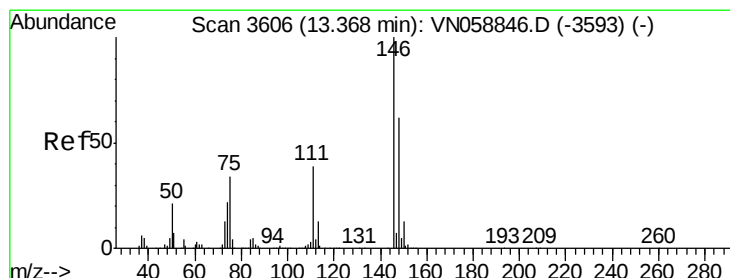
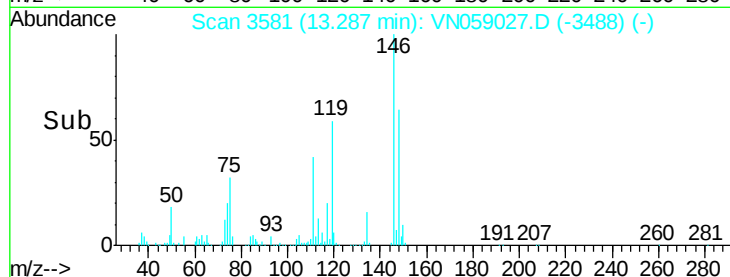
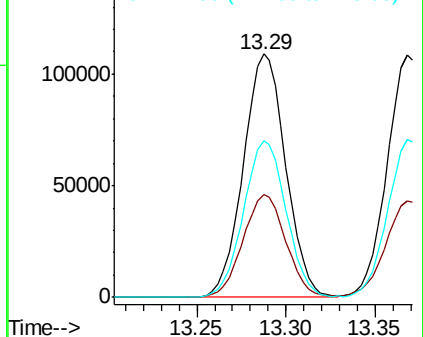
146 100

111 42.6 21.0 63.0

148 64.9 32.1 96.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.921 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. -0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

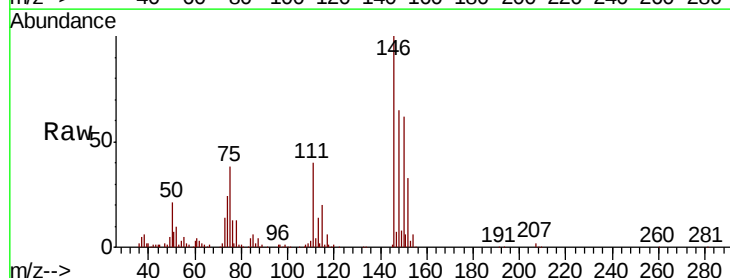
Tgt Ion:146 Resp: 180198

Ion Ratio Lower Upper

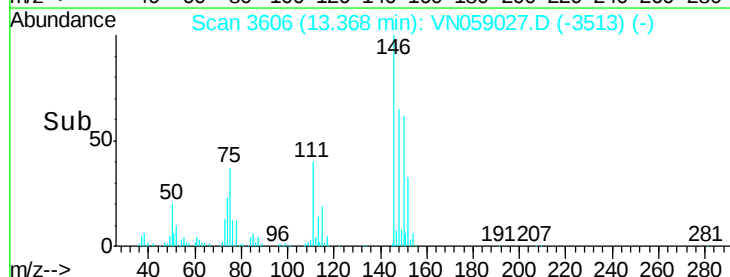
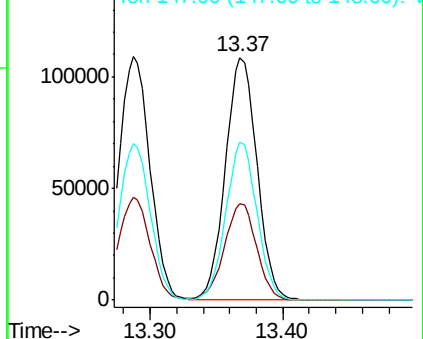
146 100

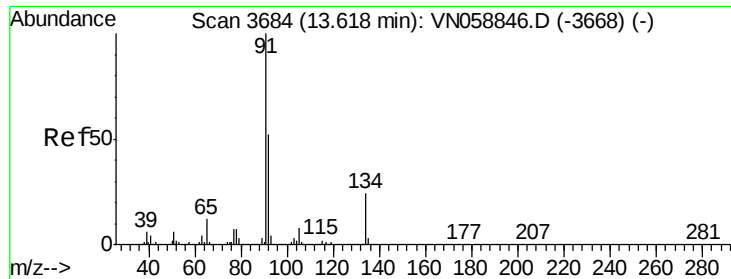
111 40.8 20.2 60.6

148 64.1 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

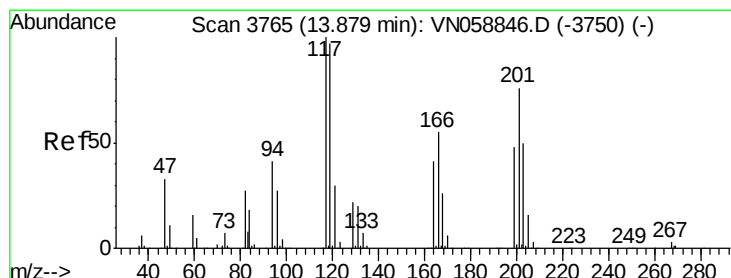
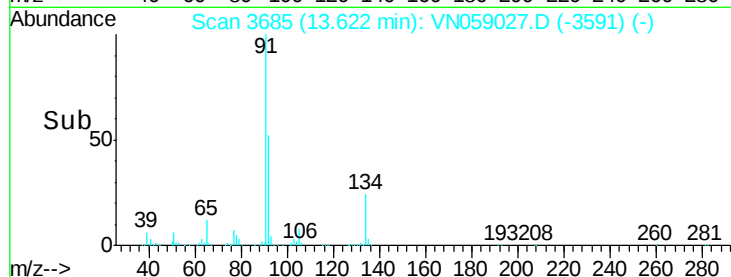
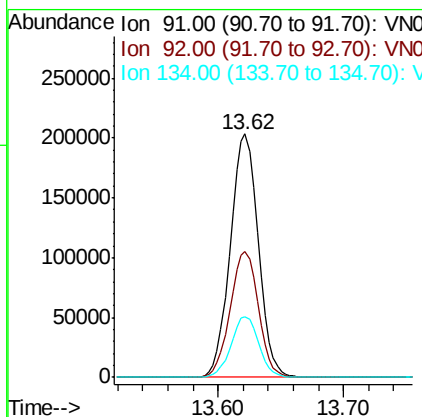
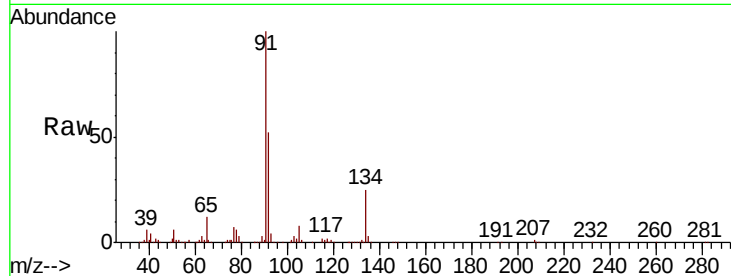




#89
n-Butylbenzene
Concen: 20.778 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

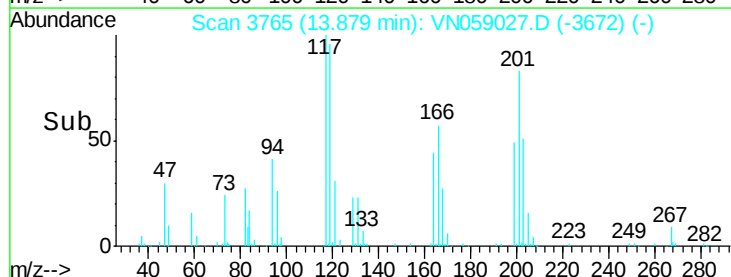
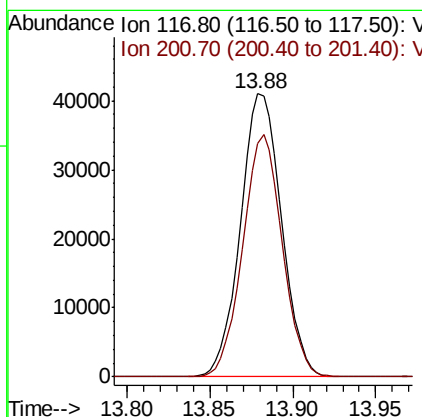
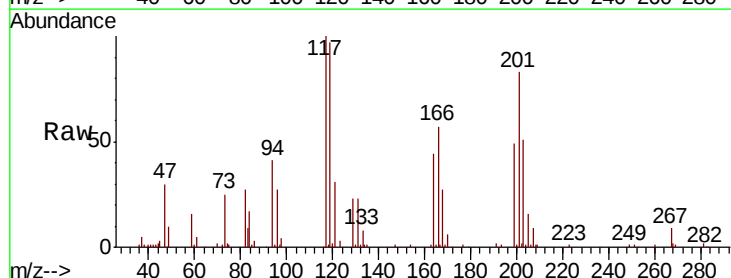
Instrument :
MSVOA_N
ClientSampled :

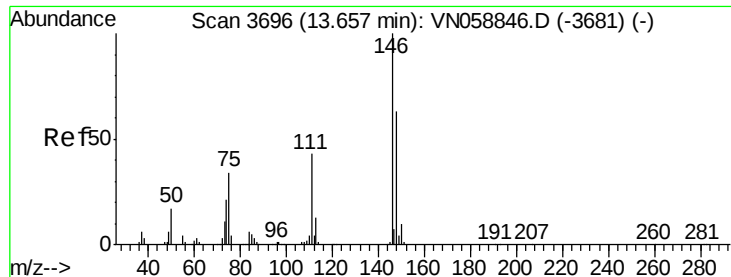
Tot Ion: 91 Resp: 314896
Ion Ratio Lower Upper
91 100
92 52.1 25.7 77.1
134 24.7 11.9 35.5



#90
Hexachloroethane
Concen: 21.206 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN059027.D
Acq: 31 Oct 2019 10:11

Tgt Ion: 117 Resp: 70891
Ion Ratio Lower Upper
117 100
201 82.1 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 21.633 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Instrument :

MSVOA_N

ClientSampled :

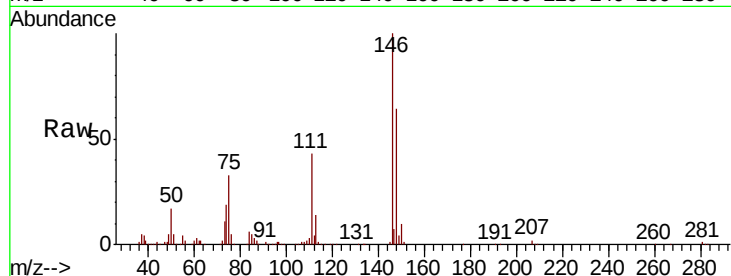
Tot Ion:146 Resp: 182914

Ion Ratio Lower Upper

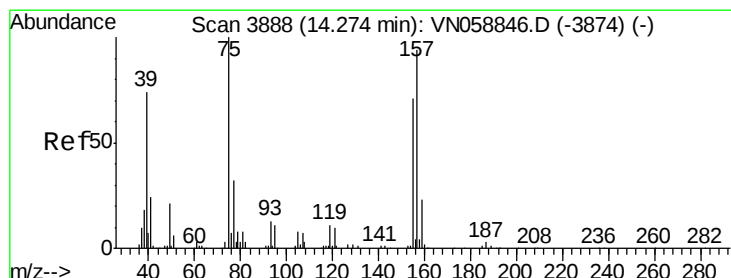
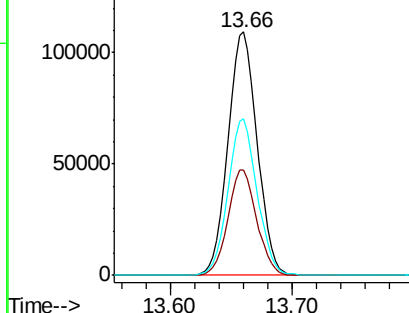
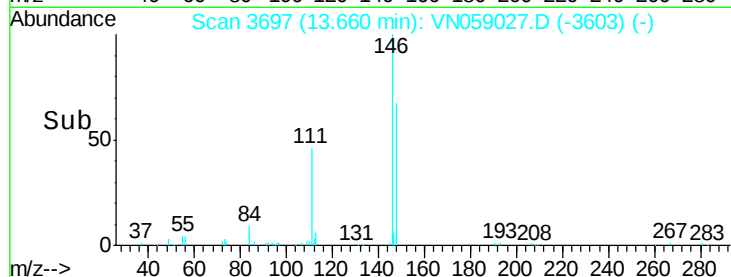
146 100

111 42.5 21.6 64.8

148 64.1 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
150000
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.575 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

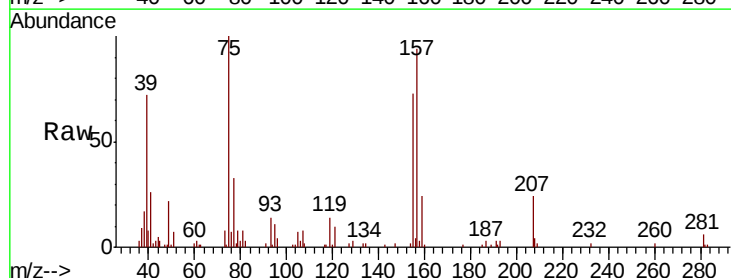
Tgt Ion: 75 Resp: 31940

Ion Ratio Lower Upper

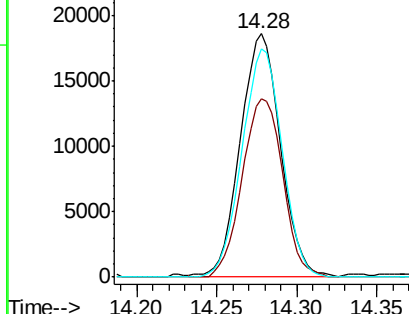
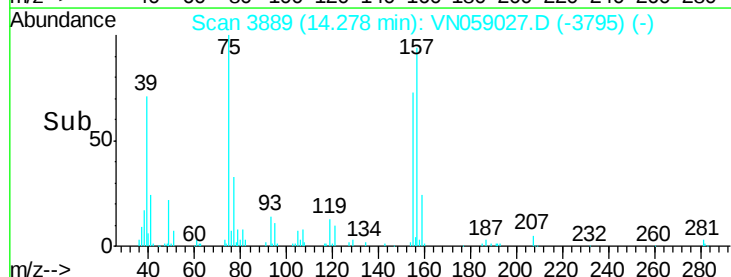
75 100

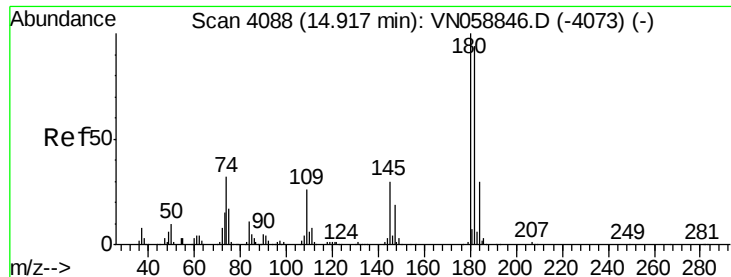
155 74.1 35.6 106.8

157 93.6 47.4 142.2



Abundance Ion 74.90 (74.60 to 75.60): V
25000
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V

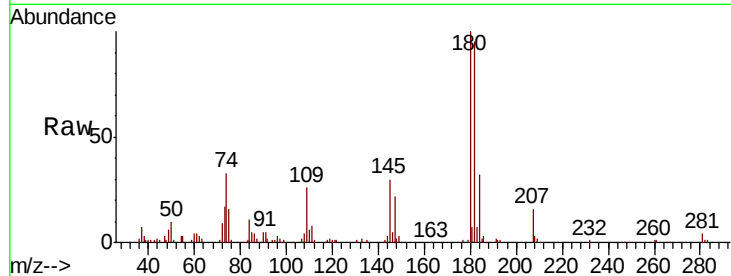




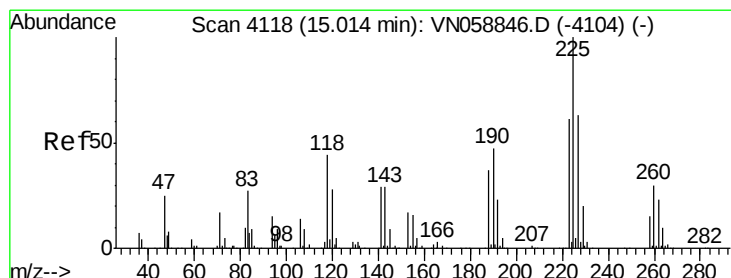
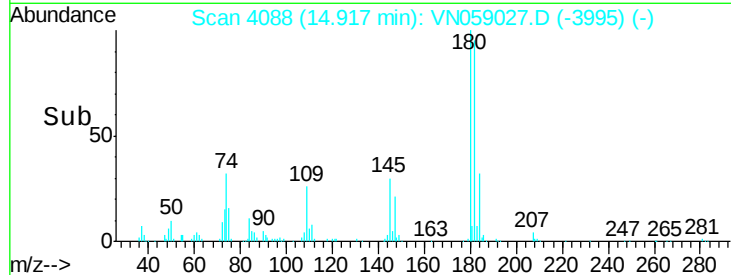
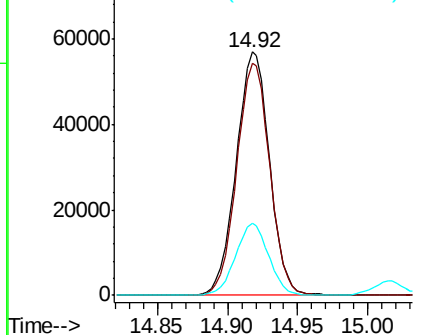
#93
 1,2,4-Trichlorobenzene
 Concen: 19.322 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 94178
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.3 142.0
 145 29.4 15.3 45.8

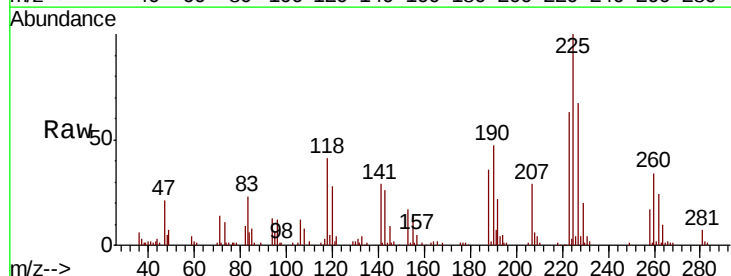


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

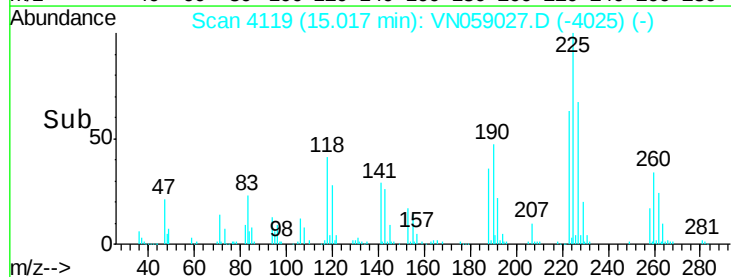
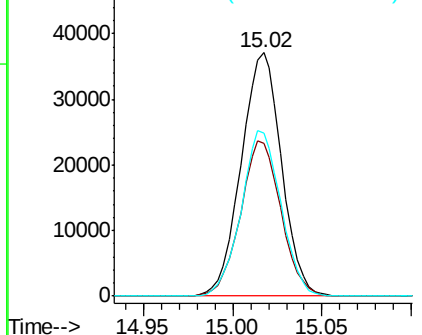


#94
 Hexachlorobutadiene
 Concen: 21.405 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN059027.D
 Acq: 31 Oct 2019 10:11

Tgt Ion:225 Resp: 58661
 Ion Ratio Lower Upper
 225 100
 223 63.8 30.9 92.5
 227 66.9 31.6 94.7



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: 18.322 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

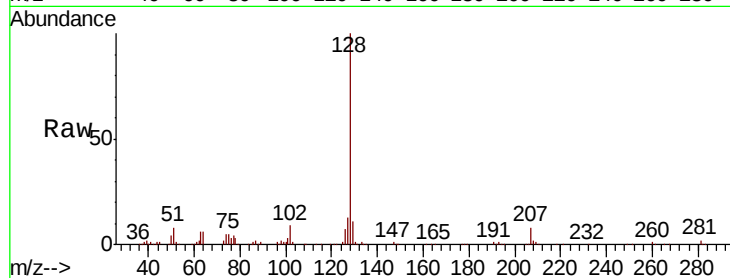
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 257738

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.4	12.6

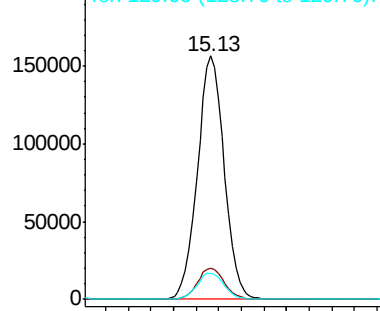


Abundance

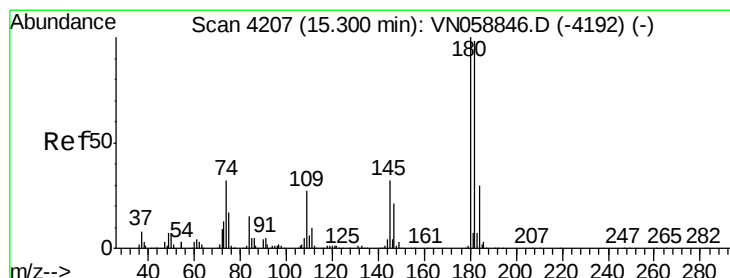
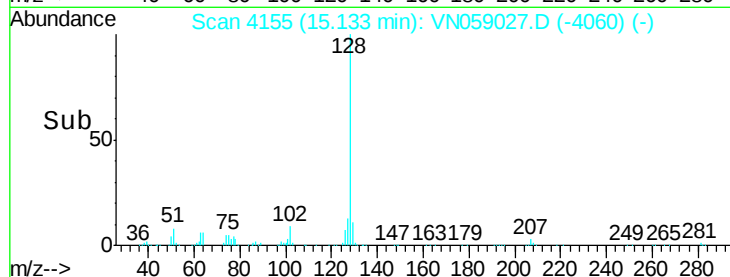
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 20.143 ug/l

RT: 15.30 min Scan# 4207

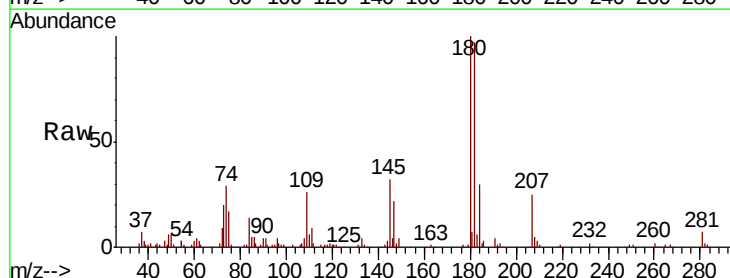
Delta R.T. 0.00 min

Lab File: VN059027.D

Acq: 31 Oct 2019 10:11

Tgt Ion:180 Resp: 96597

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.9	143.7
145	33.1	15.9	47.7

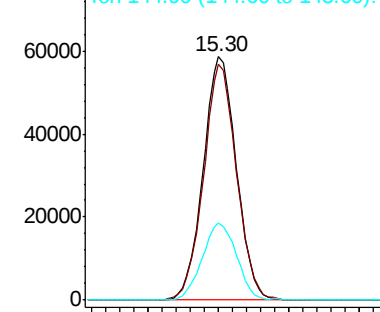


Abundance

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



Time-->

