

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102919\
 Data File : VN059013.D
 Acq On : 29 Oct 2019 16:07
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 03:58:24 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	385462	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	565422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	288071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	271724	48.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.12%	
35) Dibromofluoromethane	7.57	113	205626	51.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.80%	
50) Toluene-d8	10.08	98	778128	50.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.20%	
62) 4-Bromofluorobenzene	12.40	95	297422	52.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	204819	42.618	ug/l	100
3) Chloromethane	2.04	50	254641	42.781	ug/l	99
4) Vinyl Chloride	2.17	62	268956	45.509	ug/l	97
5) Bromomethane	2.54	94	155022	41.888	ug/l	98
6) Chloroethane	2.68	64	164574	43.424	ug/l	99
7) Trichlorofluoromethane	3.00	101	337189	46.111	ug/l	98
8) Diethyl Ether	3.39	74	126883	50.210	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	195305	48.177	ug/l	99
10) Methyl Iodide	3.93	142	239939	45.001	ug/l	100
11) Tert butyl alcohol	4.76	59	256450	273.355	ug/l	99
12) 1,1-Dichloroethene	3.71	96	184498	48.553	ug/l	97
13) Acrolein	3.58	56	147906	229.449	ug/l	98
14) Allyl chloride	4.30	41	384208	49.967	ug/l	95
15) Acrylonitrile	4.96	53	668091	283.107	ug/l	99
16) Acetone	3.79	43	710848	254.458	ug/l	99
17) Carbon Disulfide	4.03	76	506044	41.341	ug/l	100
18) Methyl Acetate	4.30	43	359774	56.646	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	703250	52.853	ug/l	97
20) Methylene Chloride	4.53	84	228089	47.816	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	199491	47.538	ug/l	97
22) Diisopropyl ether	5.93	45	803776	53.442	ug/l	93
23) Vinyl Acetate	5.87	43	3371875	279.047	ug/l	99
24) 1,1-Dichloroethane	5.82	63	430427	49.356	ug/l	99
25) 2-Butanone	6.81	43	984295	271.428	ug/l	97
26) 2,2-Dichloropropane	6.80	77	372290	49.354	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	239927	50.049	ug/l	98
28) Bromochloromethane	7.17	49	145411	50.066	ug/l	100
29) Tetrahydrofuran	7.19	42	622659	280.684	ug/l	100
30) Chloroform	7.35	83	417181	47.689	ug/l	99
31) Cyclohexane	7.63	56	366810	45.149	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	358416	48.608	ug/l	99
36) 1,1-Dichloropropene	7.77	75	308492	50.006	ug/l	100
37) Ethyl Acetate	6.90	43	379929	56.520	ug/l	100
38) Carbon Tetrachloride	7.75	117	310896	48.919	ug/l	97

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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)
39) Methylcyclohexane	9.07	83	350101	50.541	ug/l	99
40) Benzene	8.02	78	927801	51.216	ug/l	99
41) Methacrylonitrile	7.19	41	547115	182.747	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	343073	49.163	ug/l	100
43) Isopropyl Acetate	8.15	43	594041	55.103	ug/l	100
44) Trichloroethene	8.82	130	223353	50.614	ug/l	99
45) 1,2-Dichloropropane	9.10	63	258260	51.990	ug/l	100
46) Dibromomethane	9.20	93	160577	51.133	ug/l	97
47) Bromodichloromethane	9.39	83	333884	51.585	ug/l	98
48) Methyl methacrylate	9.19	41	273098	55.835	ug/l	96
49) 1,4-Dioxane	9.19	88	90877	1131.827	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1927380	306.085	ug/l	99
52) Toluene	10.15	92	567600	52.836	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	385057	53.740	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	407978	53.295	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	232778	52.599	ug/l	99
56) Ethyl methacrylate	10.43	69	379842	51.050	ug/l	98
57) 1,3-Dichloropropane	10.70	76	409772	52.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	817013	260.034	ug/l	100
59) 2-Hexanone	10.75	43	1483610	304.906	ug/l	98
60) Dibromochloromethane	10.90	129	260559	54.700	ug/l	98
61) 1,2-Dibromoethane	11.00	107	243456	53.755	ug/l	98
64) Tetrachloroethene	10.63	164	196967	49.741	ug/l	98
65) Chlorobenzene	11.43	112	601671	52.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	231092	53.200	ug/l	99
67) Ethyl Benzene	11.51	91	1107801	54.860	ug/l	98
68) m/p-Xylenes	11.62	106	824459	110.095	ug/l	100
69) o-Xylene	11.95	106	391665	54.838	ug/l	100
70) Styrene	11.97	104	676258	51.252	ug/l	98
71) Bromoform	12.13	173	190175	56.458	ug/l #	98
73) Isopropylbenzene	12.25	105	1093781	51.955	ug/l	99
74) N-amyl acetate	12.07	43	524145	54.917	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	379838	51.312	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	510276	76.430	ug/l #	100
77) Bromobenzene	12.53	156	263001	50.683	ug/l	99
78) n-propylbenzene	12.59	91	1315497	52.863	ug/l	100
79) 2-Chlorotoluene	12.68	91	771340	50.644	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	937682	53.012	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	138859	54.182	ug/l	96
82) 4-Chlorotoluene	12.78	91	800330	51.420	ug/l	100
83) tert-Butylbenzene	13.00	119	796192	52.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	940163	53.888	ug/l	98
85) sec-Butylbenzene	13.18	105	1080196	53.565	ug/l	99
86) p-Isopropyltoluene	13.29	119	977517	54.936	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	481189	51.861	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	470867	50.688	ug/l	99
89) n-Butylbenzene	13.62	91	882745	54.005	ug/l	99
90) Hexachloroethane	13.88	117	183582	50.916	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	473998	51.976	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82158	49.070	ug/l	94

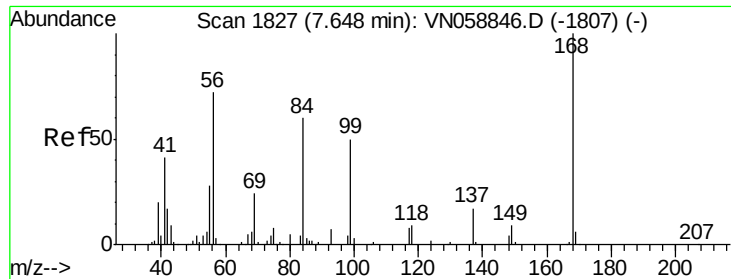
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	274309	47.893	ug/l	99
94) Hexachlorobutadiene	15.01	225	150297	50.848	ug/l	98
95) Naphthalene	15.13	128	800021	48.552	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	274384	49.137	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: VN059013.D

Acq: 29 Oct 2019 16:07

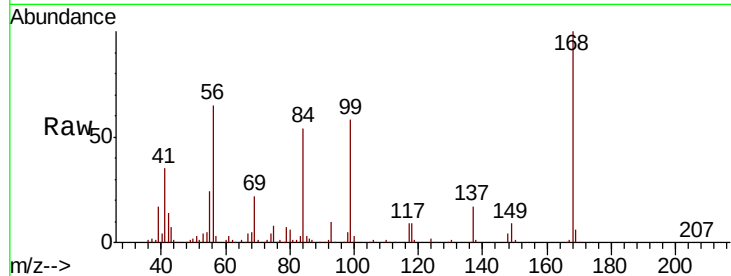
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 385462

Ion Ratio Lower Upper

168 100

99 58.1 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

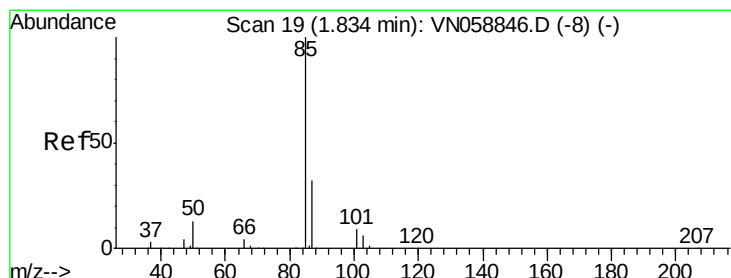
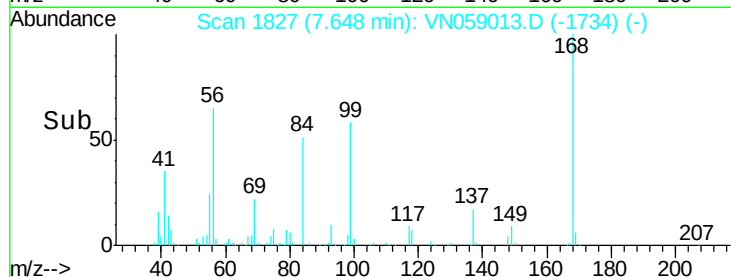
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 42.618 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059013.D

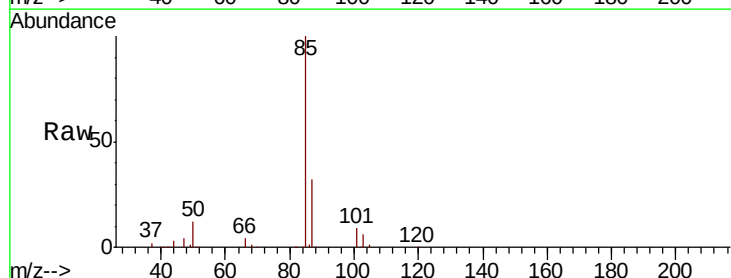
Acq: 29 Oct 2019 16:07

Tgt Ion: 85 Resp: 204819

Ion Ratio Lower Upper

85 100

87 32.3 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

150000

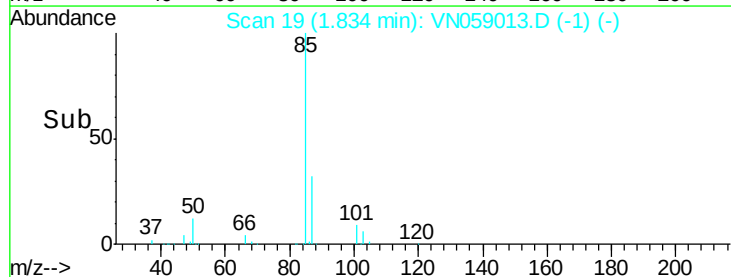
100000

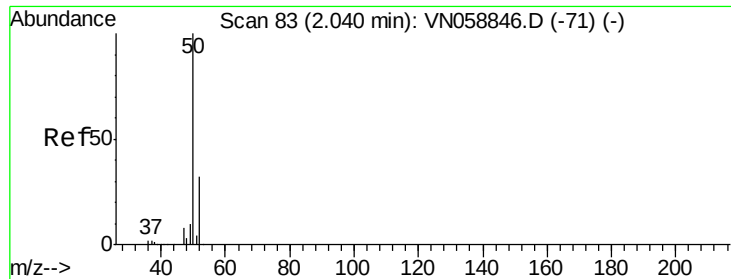
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 42.781 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

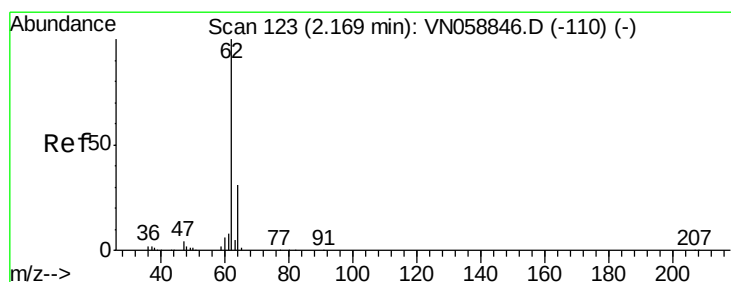
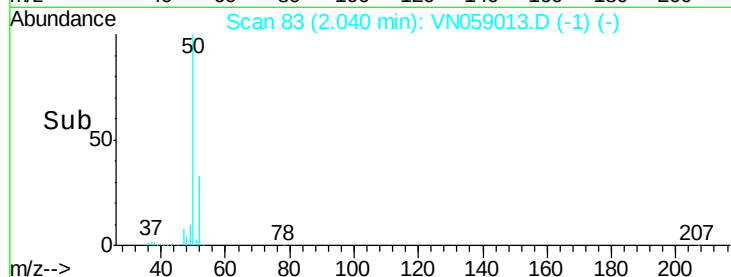
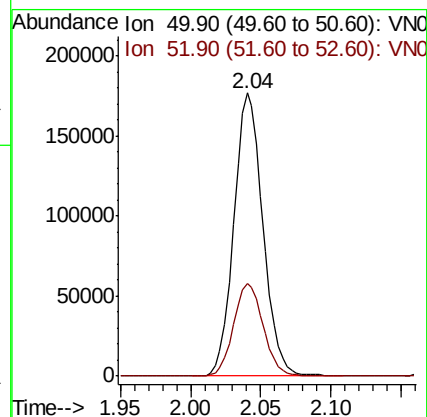
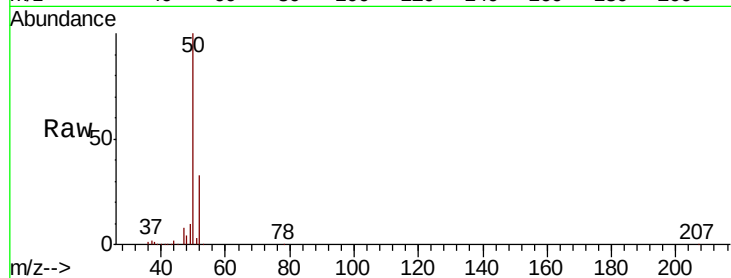
ClientSampled :

Tot Ion: 50 Resp: 254641

Ion Ratio Lower Upper

50 100

52 32.6 25.7 38.5



#4

Vinyl Chloride

Concen: 45.509 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059013.D

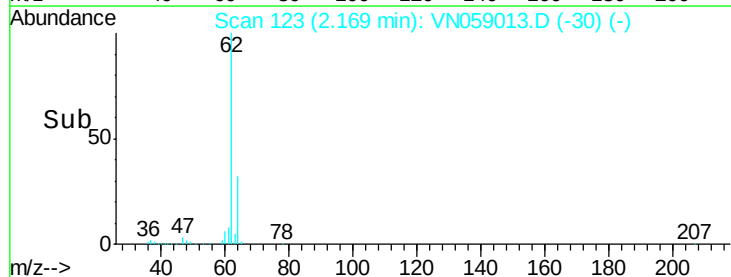
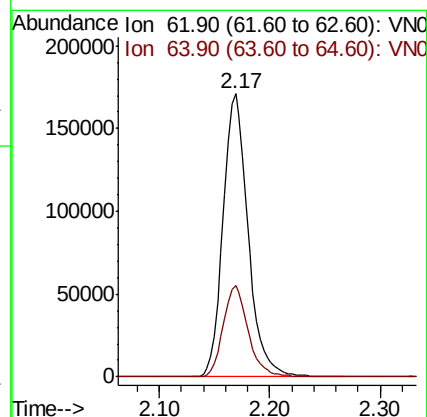
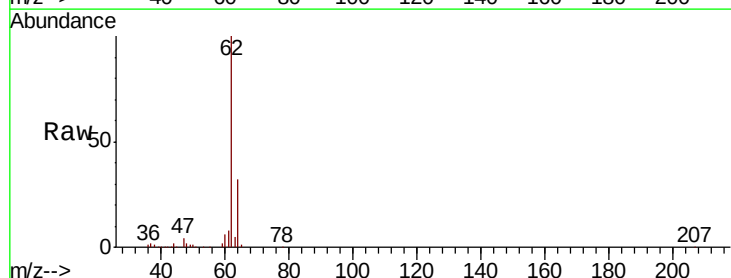
Acq: 29 Oct 2019 16:07

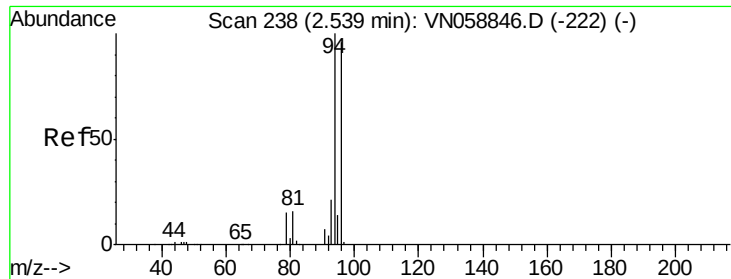
Tgt Ion: 62 Resp: 268956

Ion Ratio Lower Upper

62 100

64 32.3 24.6 36.8





#5

Bromomethane

Concen: 41.888 ug/l

RT: 2.54 min Scan# 237

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

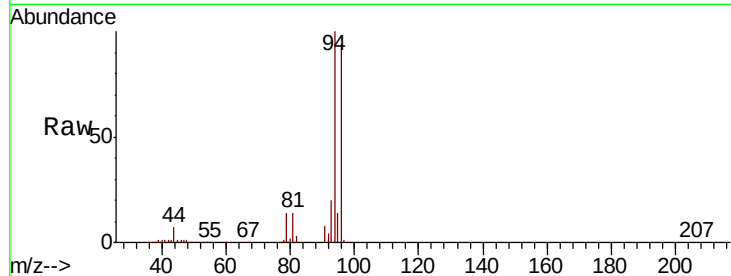
ClientSampled :

Tot Ion: 94 Resp: 155022

Ion Ratio Lower Upper

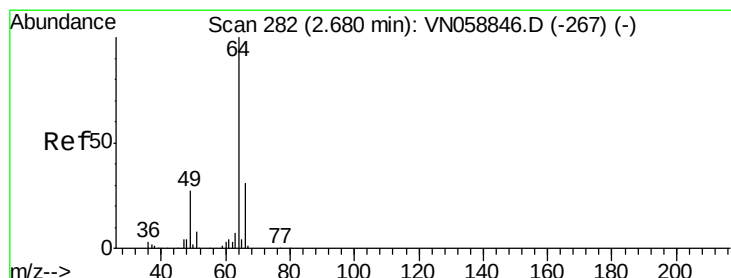
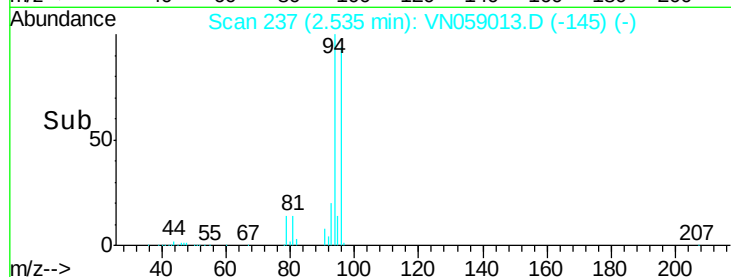
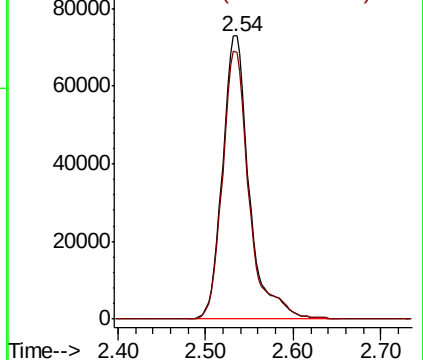
94 100

96 94.1 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 43.424 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059013.D

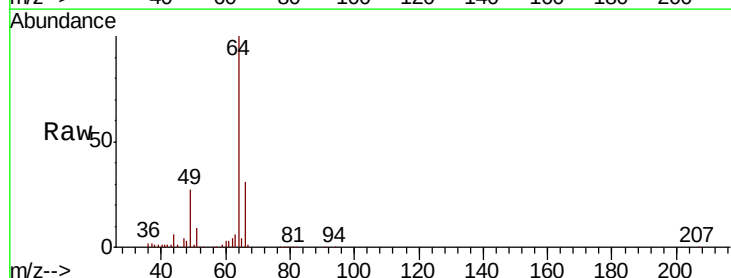
Acq: 29 Oct 2019 16:07

Tgt Ion: 64 Resp: 164574

Ion Ratio Lower Upper

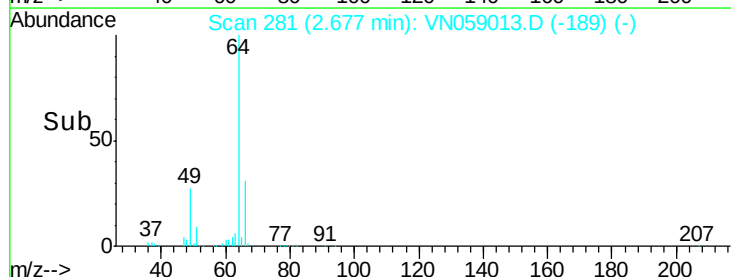
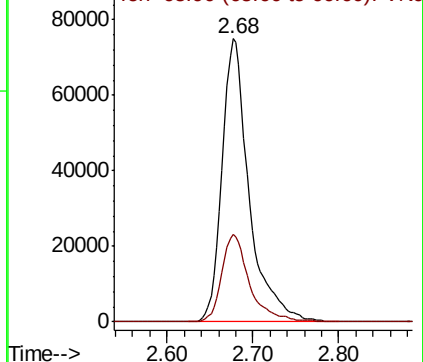
64 100

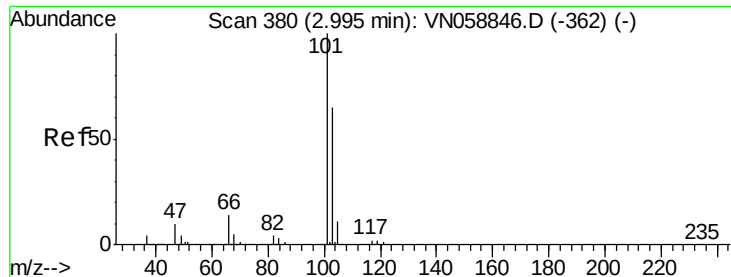
66 30.7 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



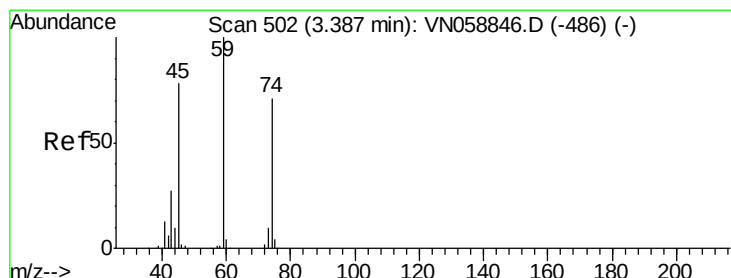
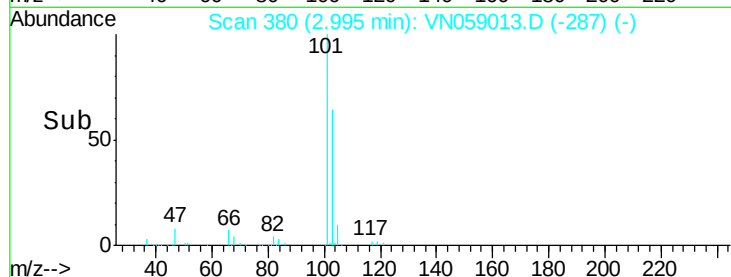
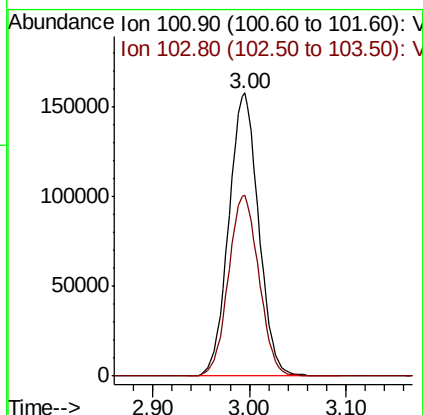
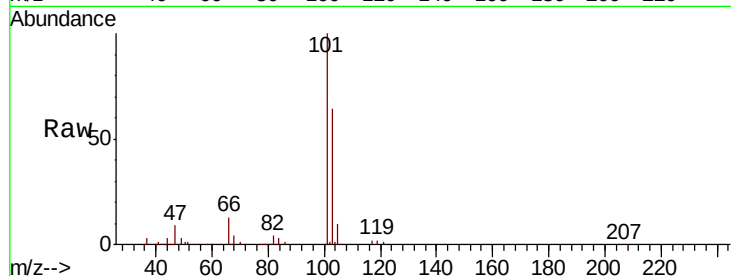


#7

Trichlorofluoromethane
Concen: 46.111 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

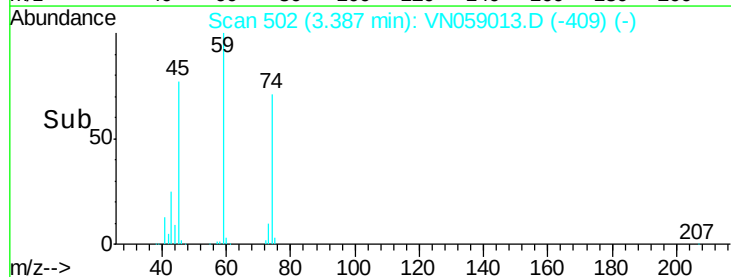
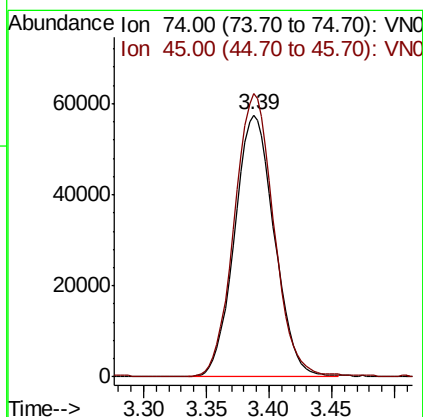
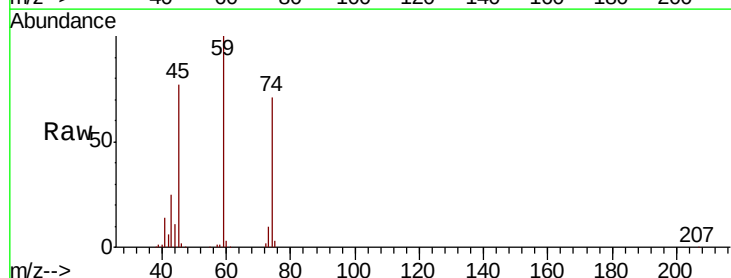
Tot Ion:101 Resp: 337189
Ion Ratio Lower Upper
101 100
103 63.8 52.2 78.2

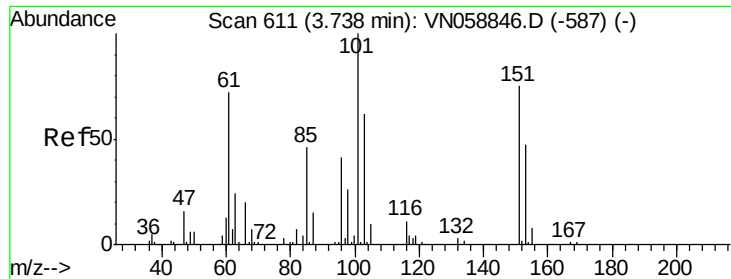


#8

Diethyl Ether
Concen: 50.210 ug/l
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 74 Resp: 126883
Ion Ratio Lower Upper
74 100
45 107.1 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.177 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

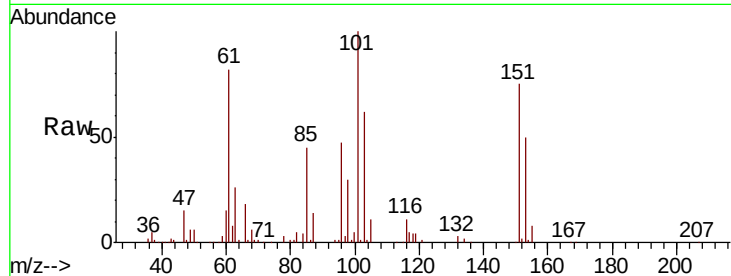
Tot Ion:101 Resp: 195305

Ion Ratio Lower Upper

101 100

85 45.8 37.2 55.8

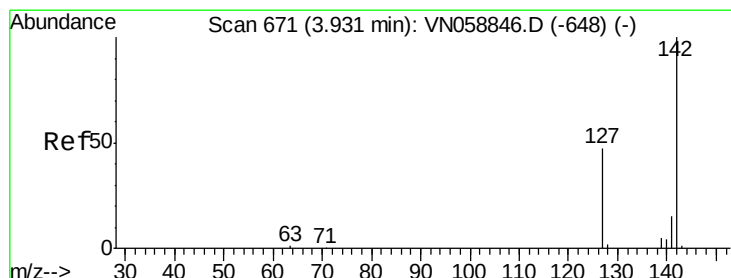
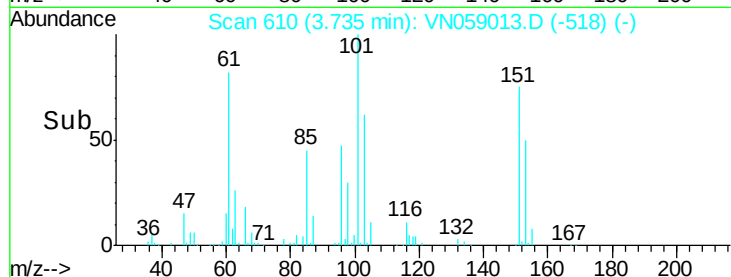
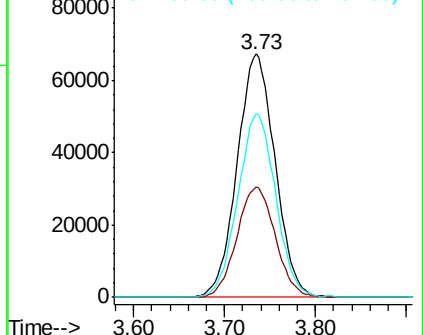
151 75.3 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 45.001 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

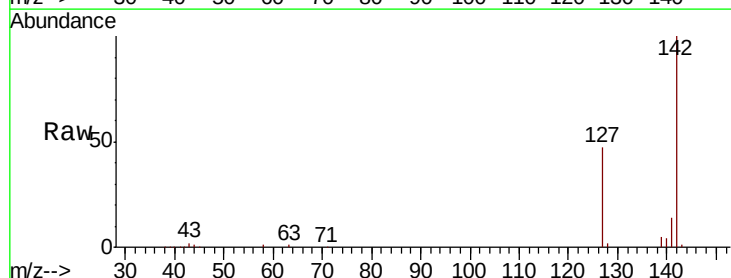
Tgt Ion:142 Resp: 239939

Ion Ratio Lower Upper

142 100

127 45.7 36.6 54.8

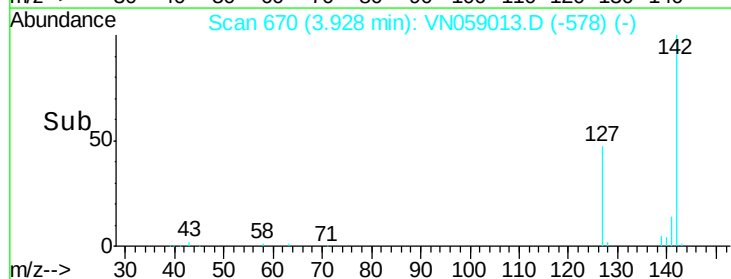
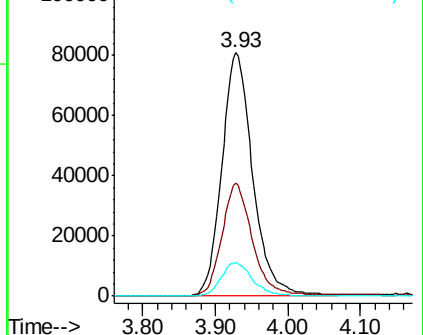
141 14.0 11.4 17.2

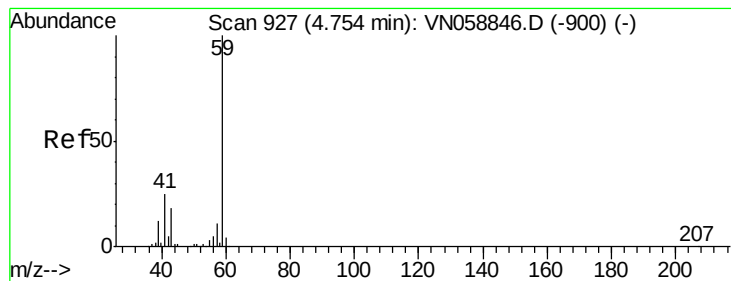


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



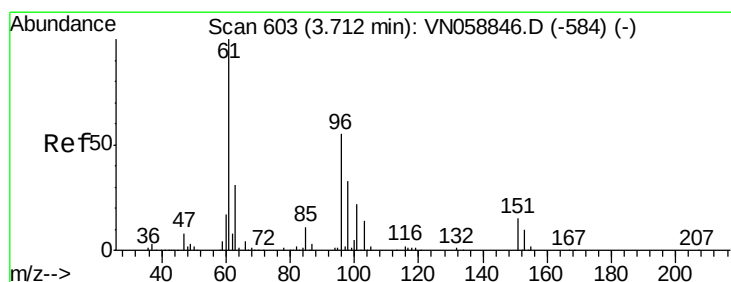
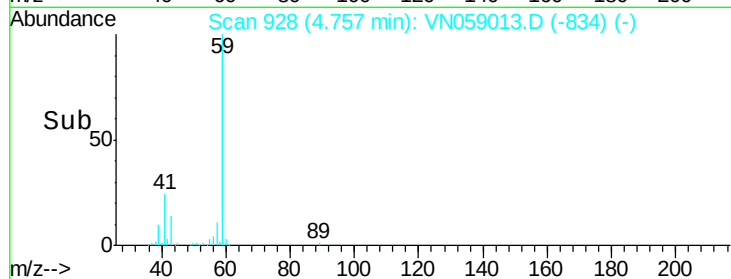
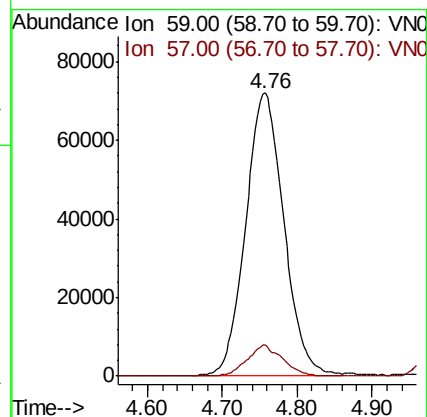
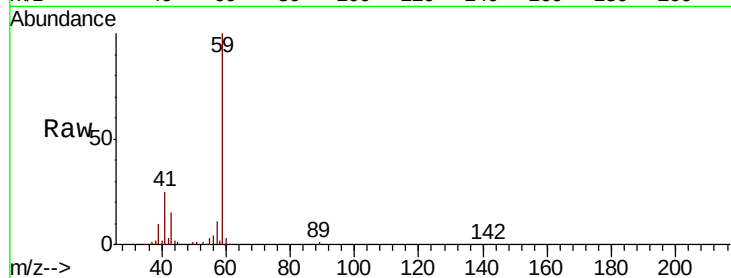


#11

Tert butyl alcohol
Concen: 273.355 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

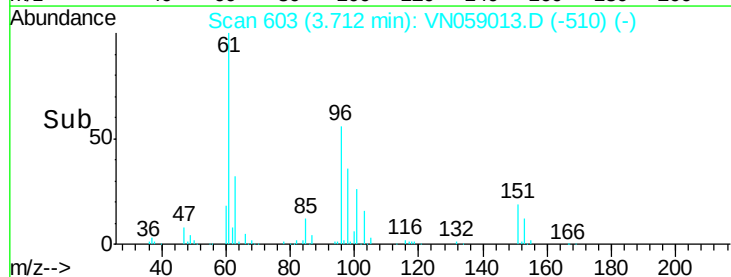
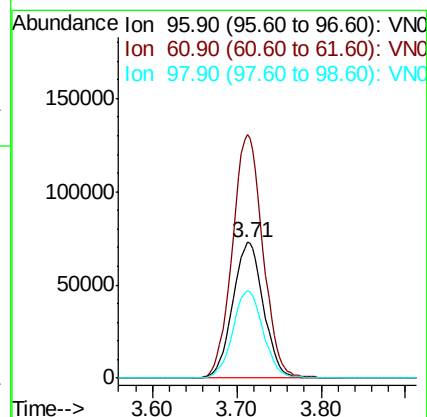
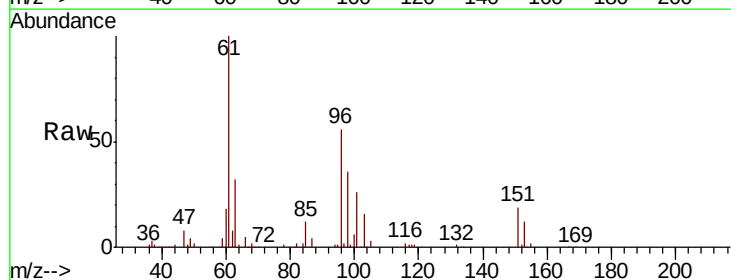
Tot Ion: 59 Resp: 256450
Ion Ratio Lower Upper
59 100
57 10.2 8.6 12.8

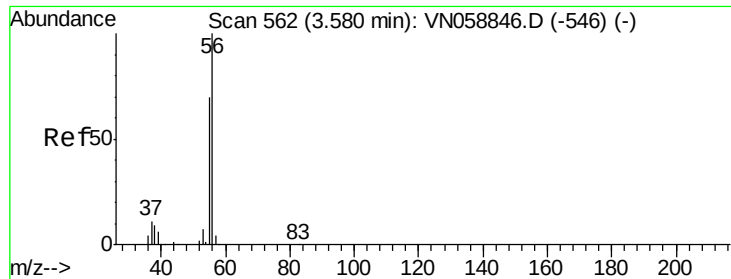


#12

1,1-Dichloroethene
Concen: 48.553 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 96 Resp: 184498
Ion Ratio Lower Upper
96 100
61 179.7 146.2 219.2
98 64.2 48.7 73.1





#13

Acrolein

Concen: 229.449 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

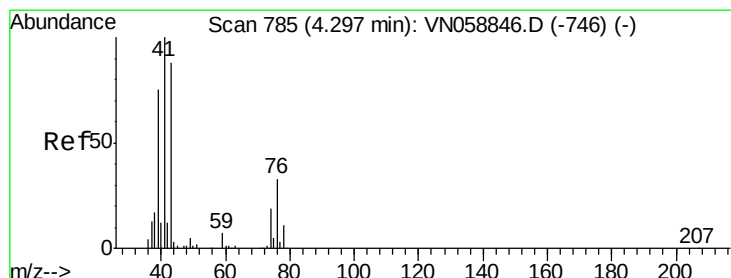
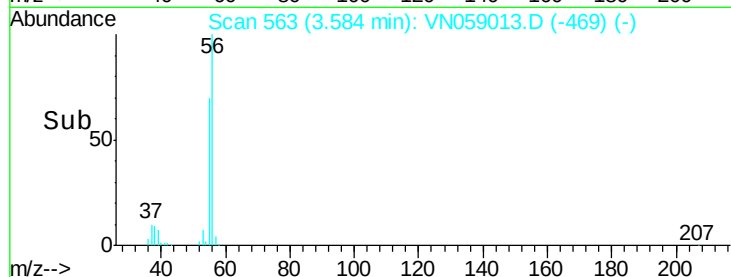
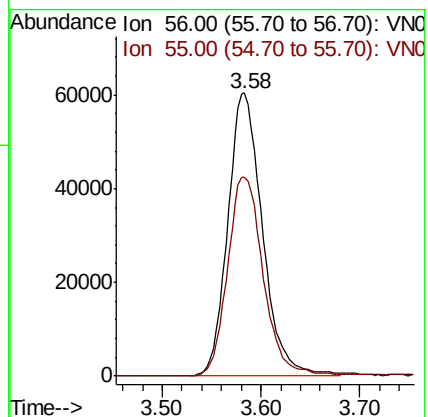
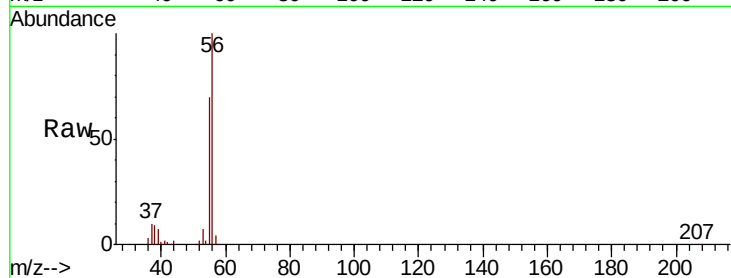
ClientSampleId :

Tot Ion: 56 Resp: 147906

Ion Ratio Lower Upper

56 100

55 72.5 56.6 85.0



#14

Allyl chloride

Concen: 49.967 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

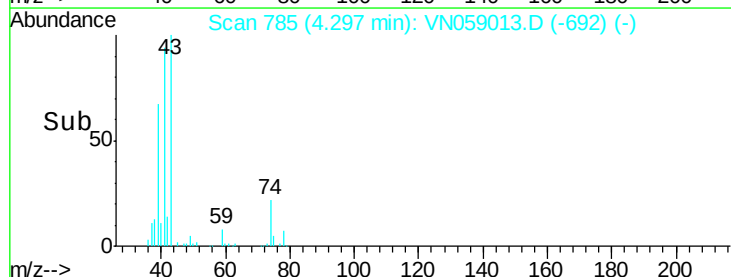
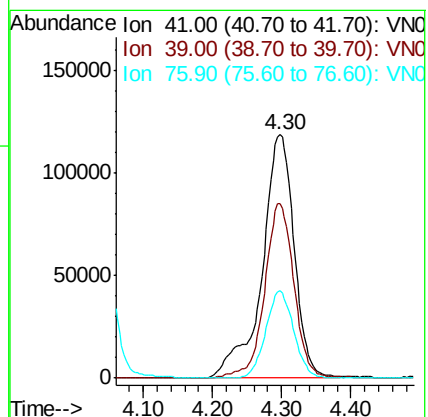
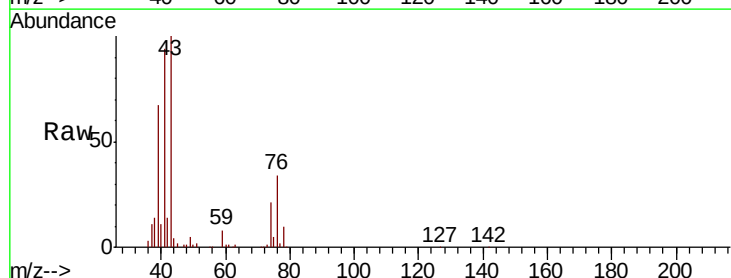
Tgt Ion: 41 Resp: 384208

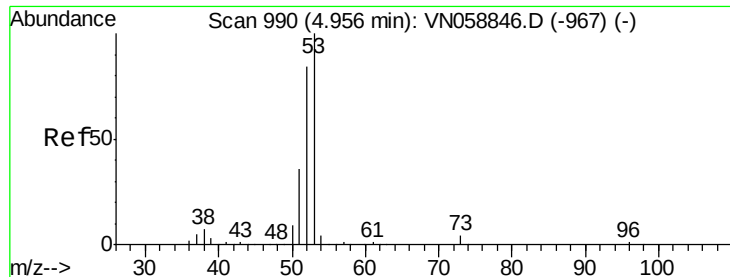
Ion Ratio Lower Upper

41 100

39 65.1 55.9 83.9

76 31.0 24.1 36.1





#15

Acrylonitrile

Concen: 283.107 ug/l

RT: 4.96 min Scan# 990

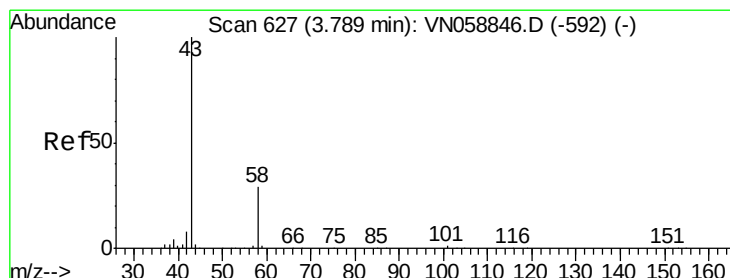
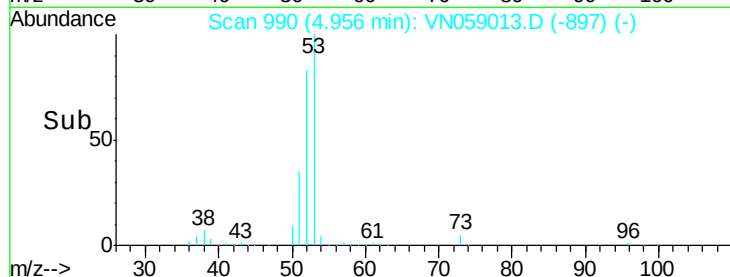
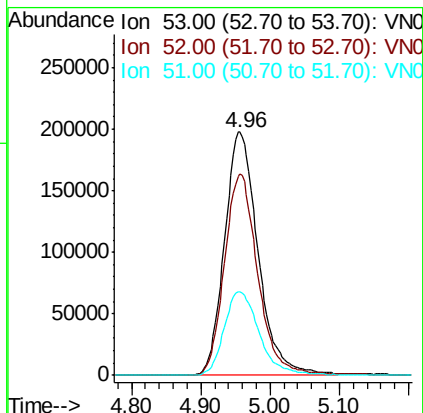
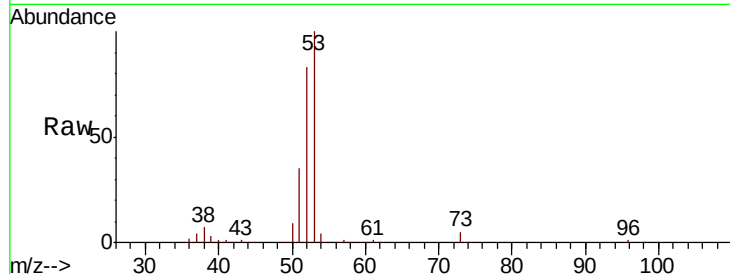
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	668091
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.6	99.8
51	36.0	29.2	43.8



#16

Acetone

Concen: 254.458 ug/l

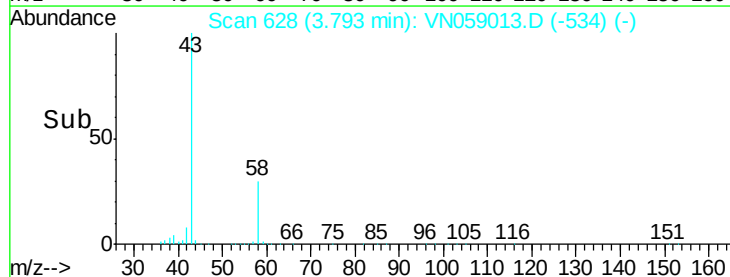
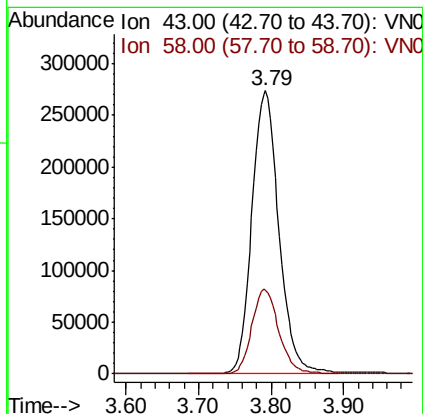
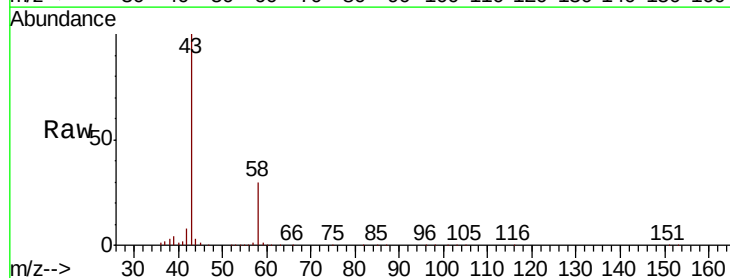
RT: 3.79 min Scan# 628

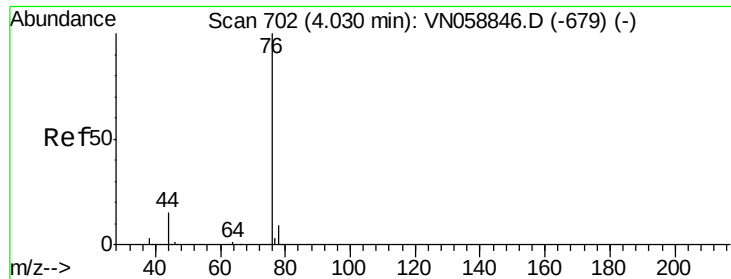
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:	43	Resp:	710848
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.1	34.7

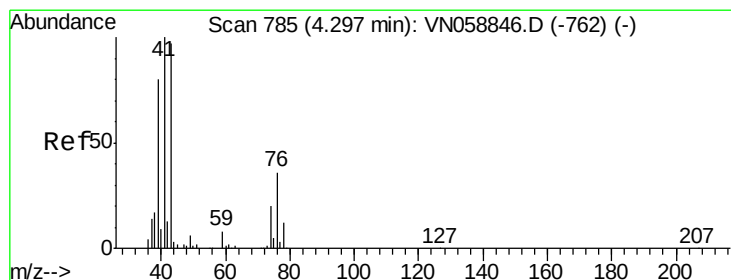
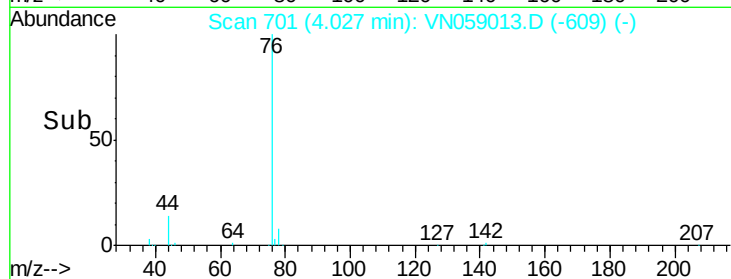
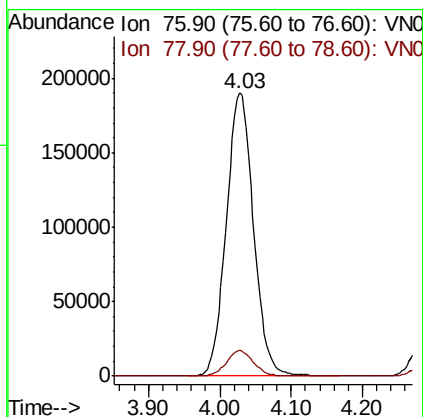
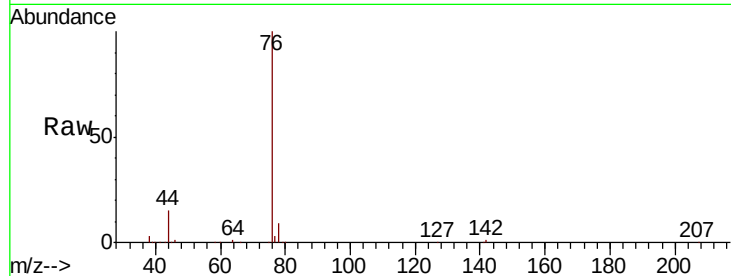




#17
Carbon Disulfide
Concen: 41.341 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

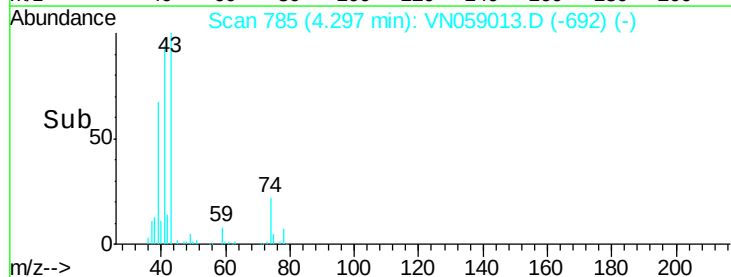
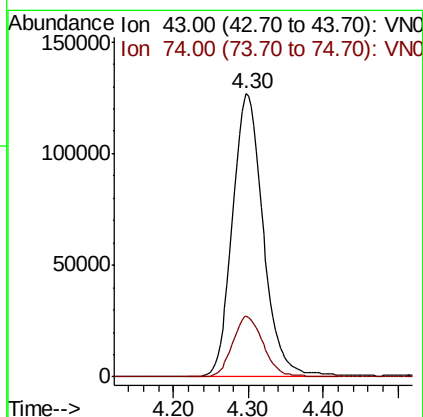
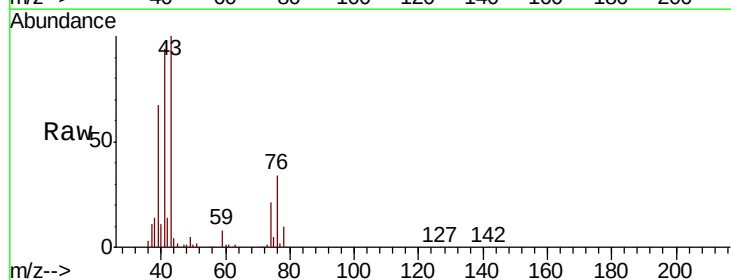
Instrument :
MSVOA_N
ClientSampleId :

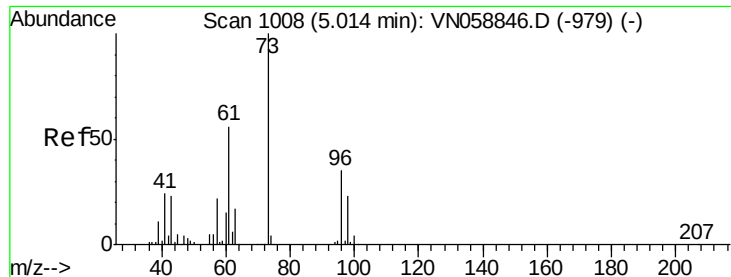
Tot Ion: 76 Resp: 506044
Ion Ratio Lower Upper
76 100
78 9.1 7.1 10.7



#18
Methyl Acetate
Concen: 56.646 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 43 Resp: 359774
Ion Ratio Lower Upper
43 100
74 21.7 17.1 25.7

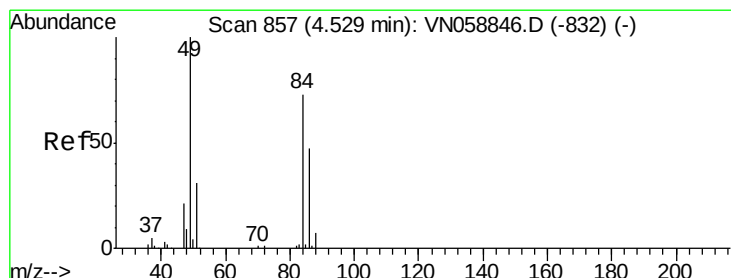
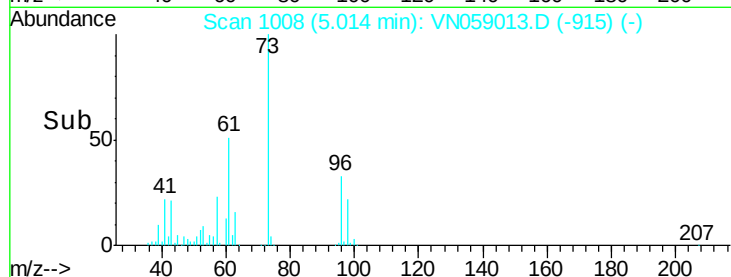
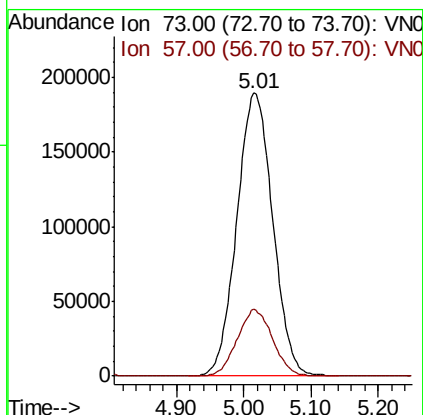
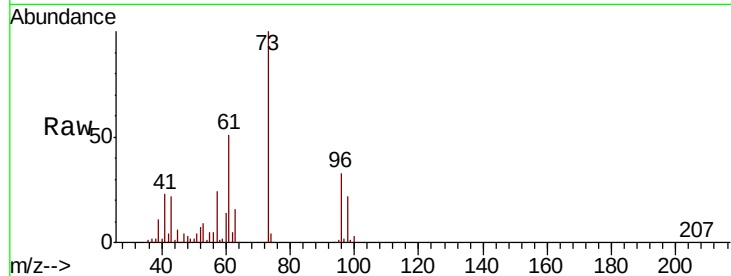




#19
Methvl tert-butvl Ether
Concen: 52.853 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

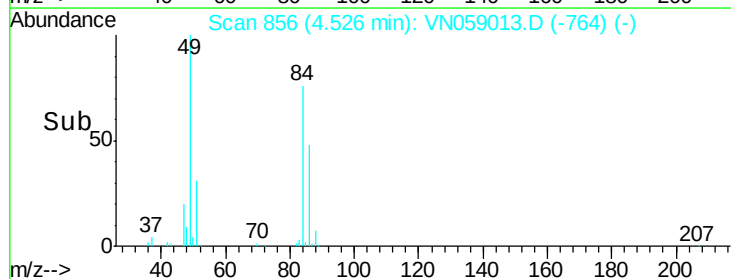
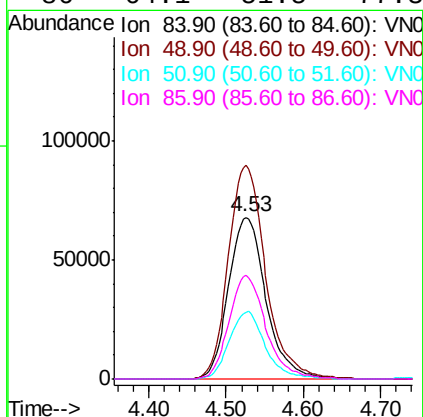
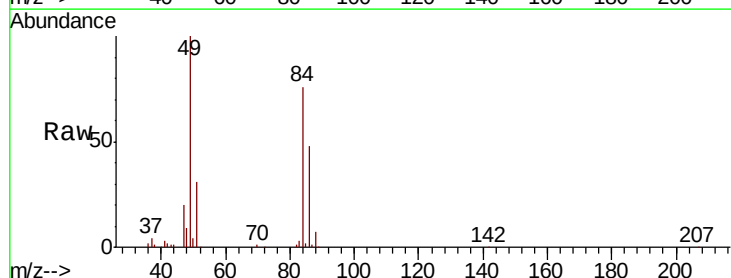
Instrument :
MSVOA_N
ClientSampled :

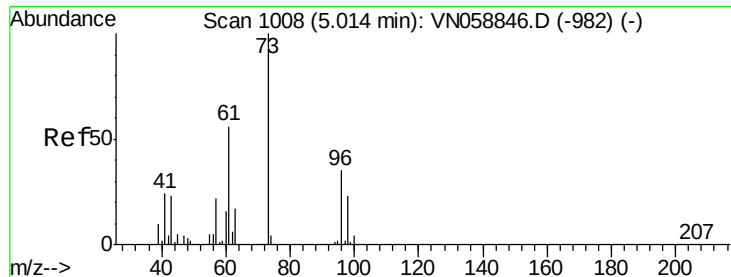
Tot Ion: 73 Resp: 703250
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9



#20
Methylene Chloride
Concen: 47.816 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 84 Resp: 228089
Ion Ratio Lower Upper
84 100
49 132.4 109.6 164.4
51 41.6 33.8 50.6
86 64.1 51.5 77.3



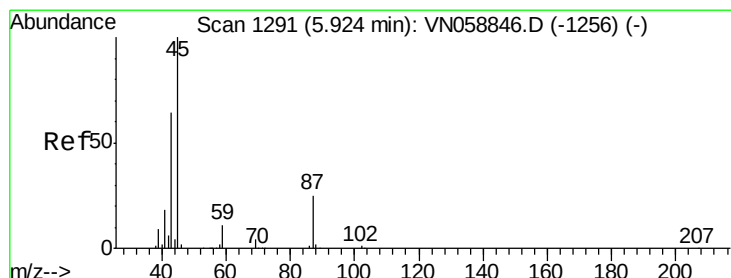
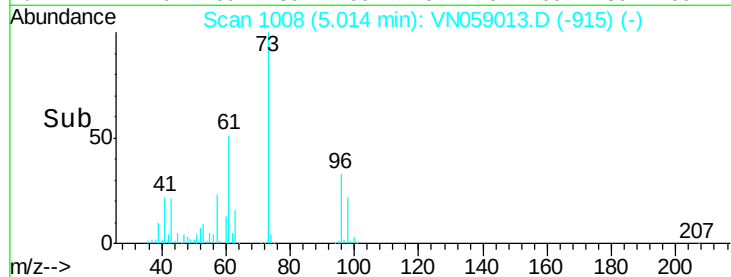
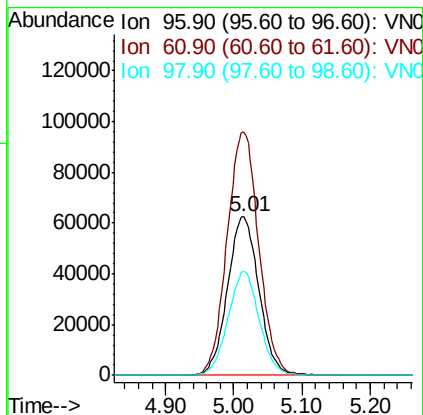
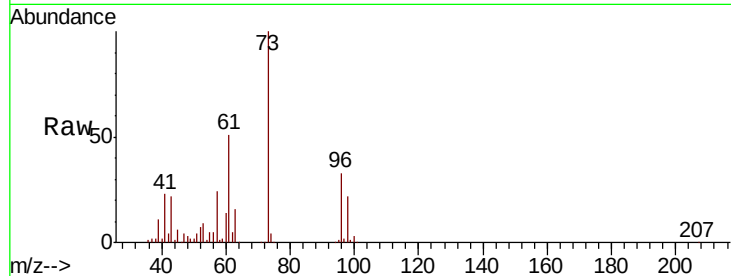


#21

trans-1,2-Dichloroethene
Concen: 47.538 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

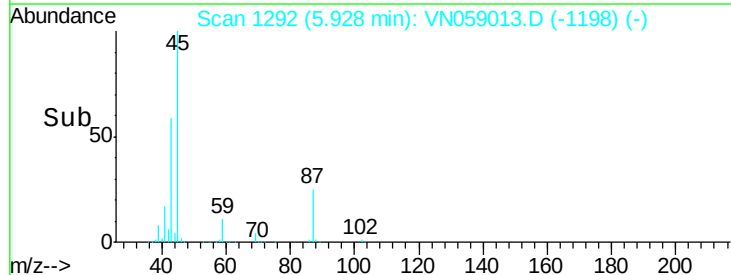
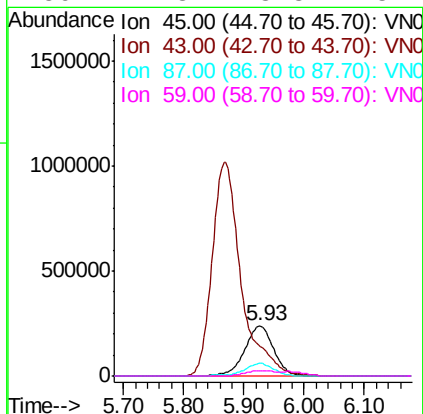
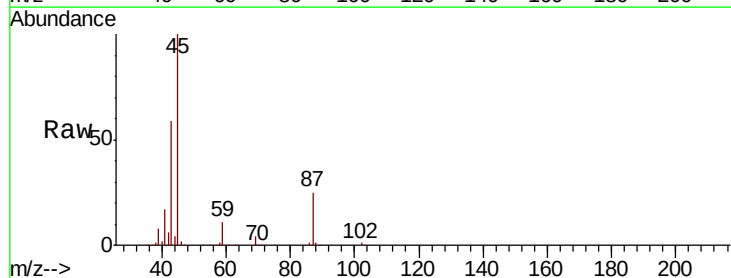
Tot Ion	96	Resp	199491
Ion	Ratio	Lower	Upper
96	100		
61	153.5	126.7	190.1
98	65.8	52.0	78.0

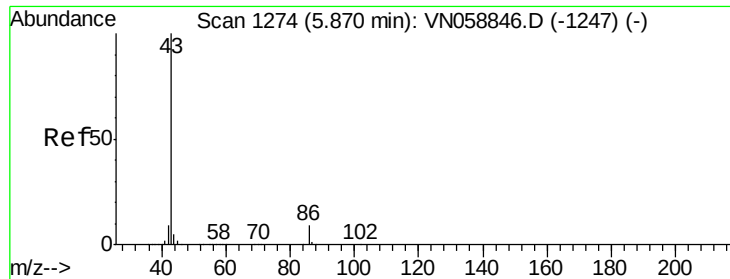


#22

Diisopropyl ether
Concen: 53.442 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion	45	Resp	803776
Ion	Ratio	Lower	Upper
45	100		
43	57.8	52.9	79.3
87	24.8	20.2	30.4
59	11.3	8.8	13.2





#23

Vinyl Acetate

Concen: 279.047 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

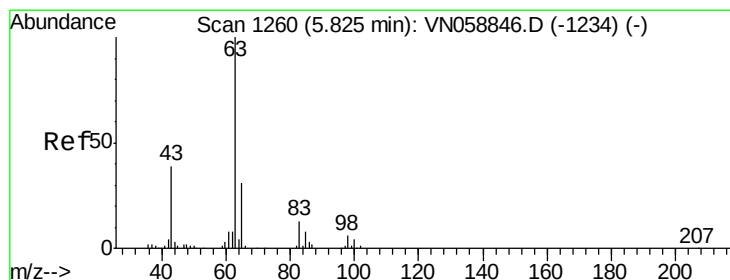
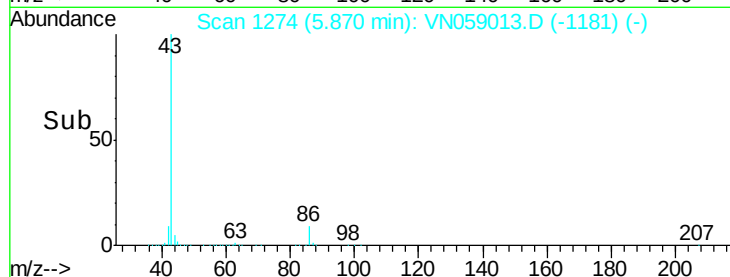
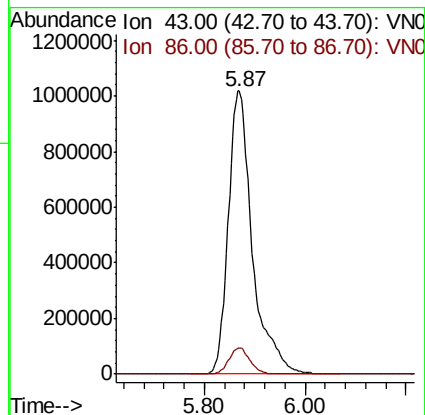
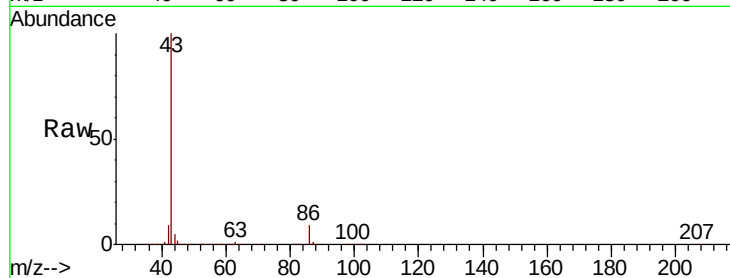
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3371875

Ion Ratio Lower Upper

43 100

86 9.2 7.2 10.8



#24

1,1-Dichloroethane

Concen: 49.356 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

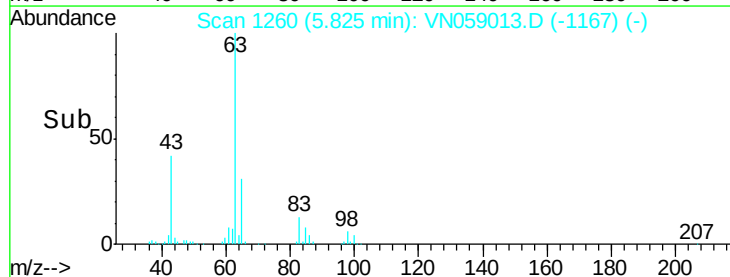
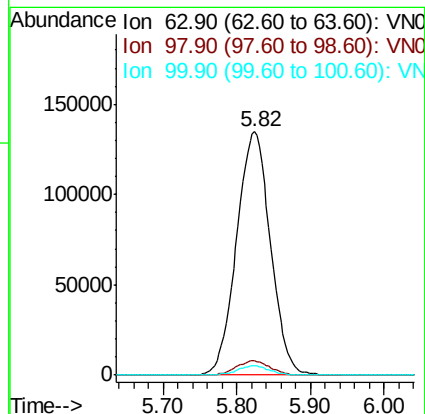
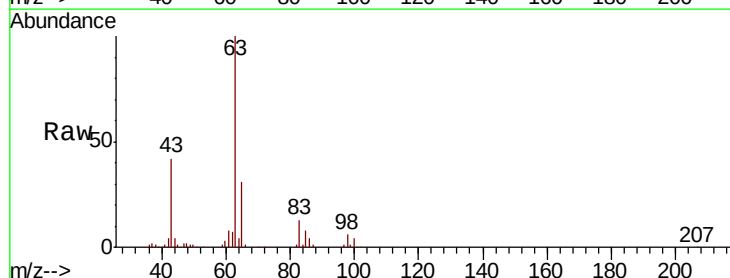
Tgt Ion: 63 Resp: 430427

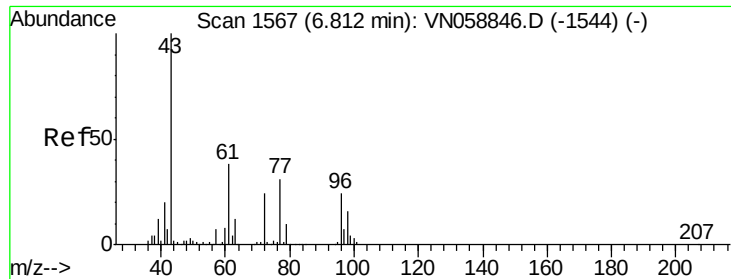
Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.9 1.9 5.7





#25

2-Butanone

Concen: 271.428 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

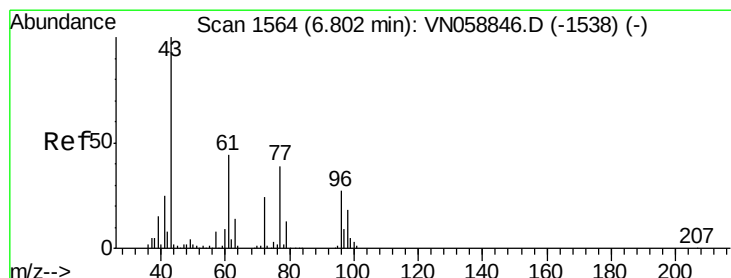
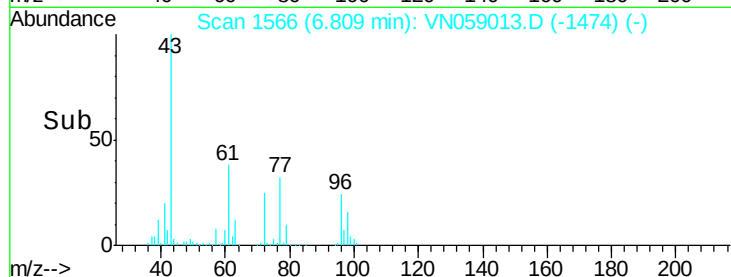
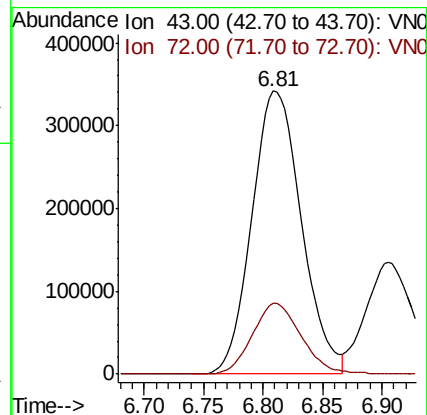
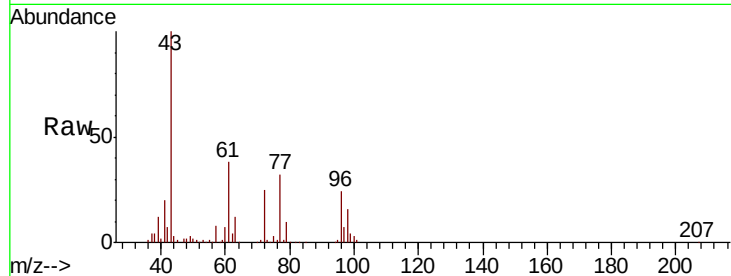
ClientSampleId :

Tot Ion: 43 Resp: 984295

Ion Ratio Lower Upper

43 100

72 25.2 19.1 28.7



#26

2,2-Dichloropropane

Concen: 49.354 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059013.D

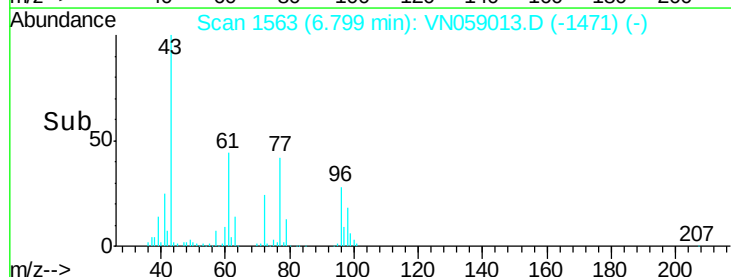
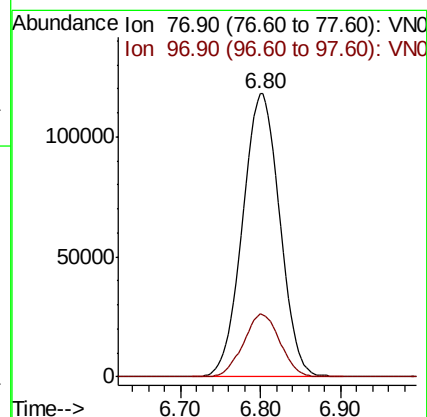
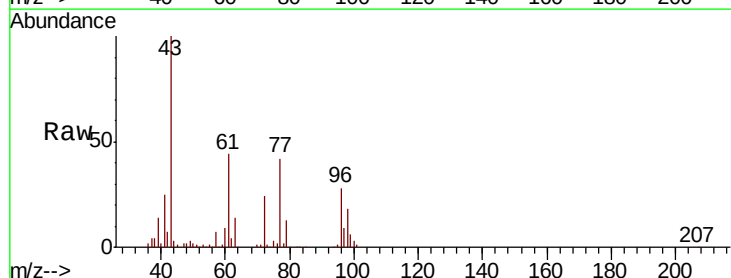
Acq: 29 Oct 2019 16:07

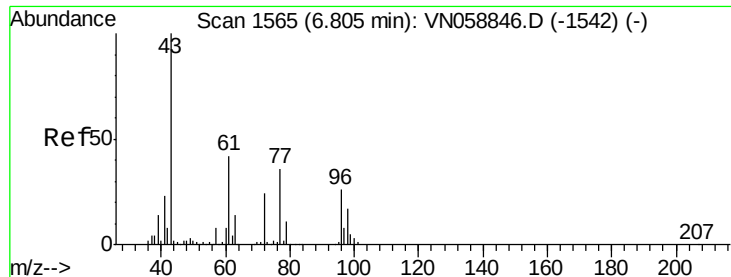
Tgt Ion: 77 Resp: 372290

Ion Ratio Lower Upper

77 100

97 21.8 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.049 ug/l

RT: 6.81 min Scan# 1565

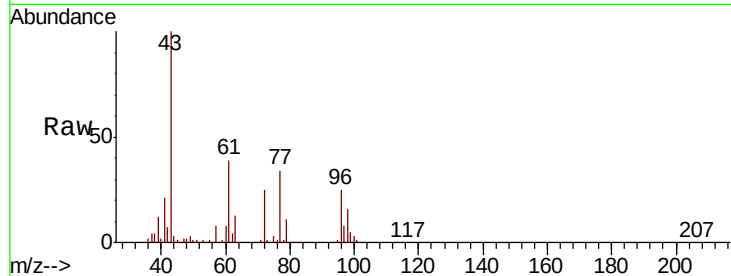
Delta R.T. 0.00 min

Lab File: VN059013.D

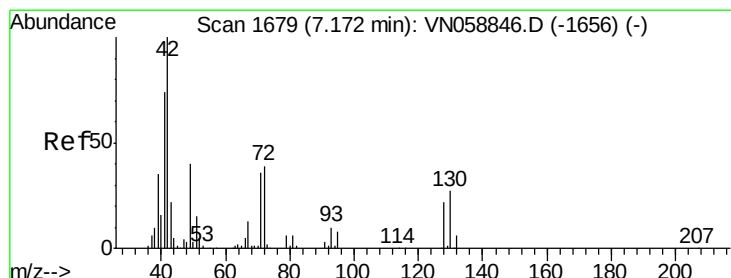
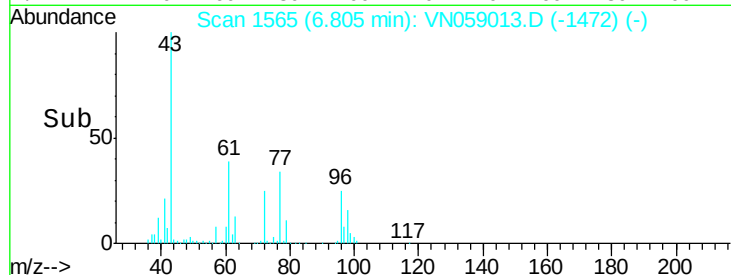
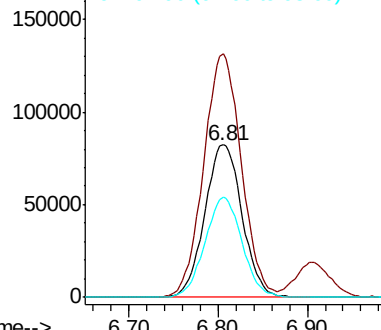
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	96	Resp:	239927
Ion	Ratio	Lower	Upper
96	100		
61	160.5	0.0	325.0
98	65.2	0.0	128.0



Abundance Ion 95.90 (95.60 to 96.60): VN059013.D (-1472) (-)



#28

Bromochloromethane

Concen: 50.066 ug/l

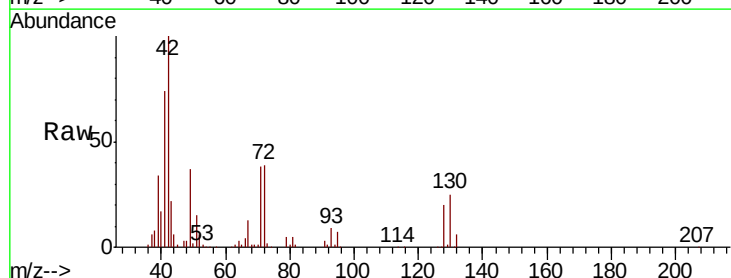
RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

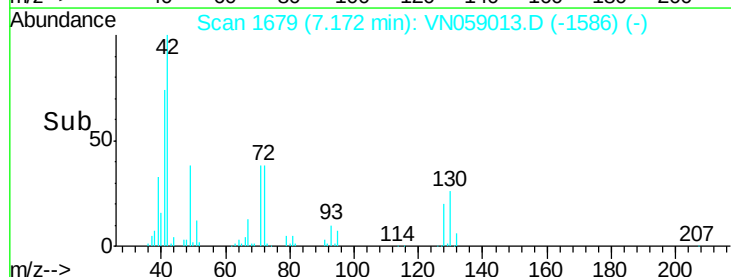
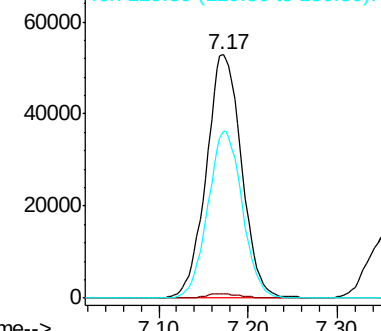
Lab File: VN059013.D

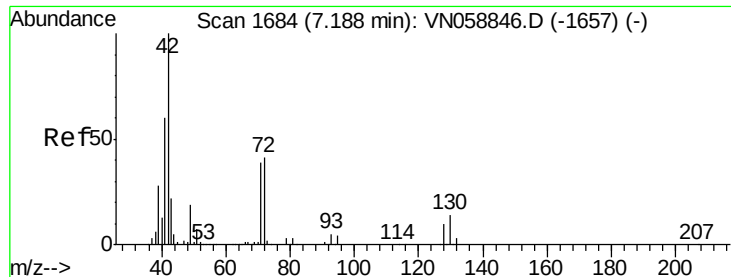
Acq: 29 Oct 2019 16:07

Tgt Ion:	49	Resp:	145411
Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	3.2
130	66.7	53.5	80.3



Abundance Ion 48.90 (48.60 to 49.60): VN059013.D (-1586) (-)

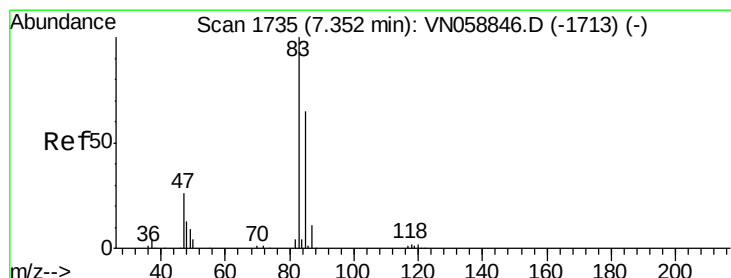
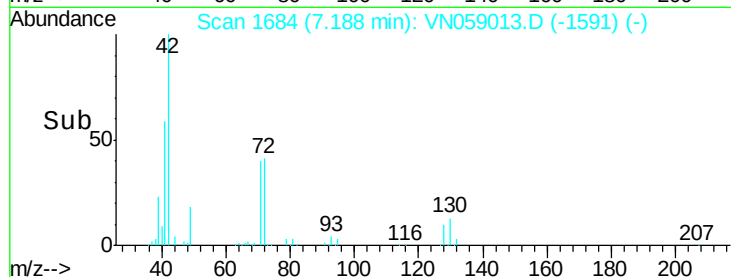
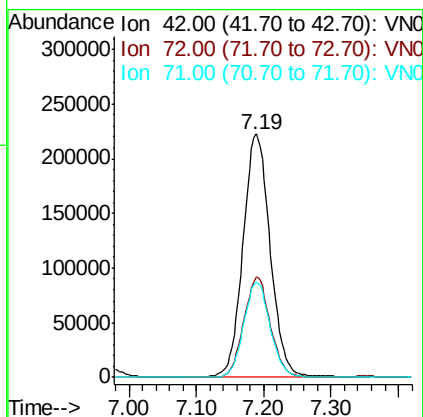
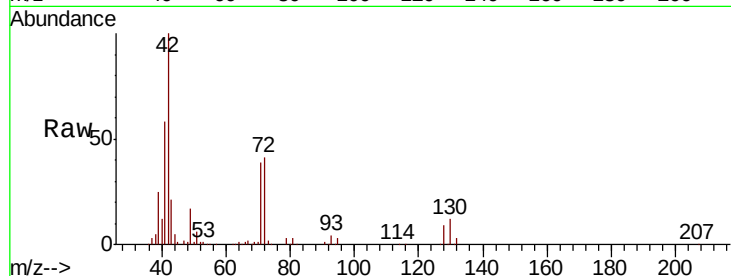




#29
Tetrahydrofuran
Concen: 280.684 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

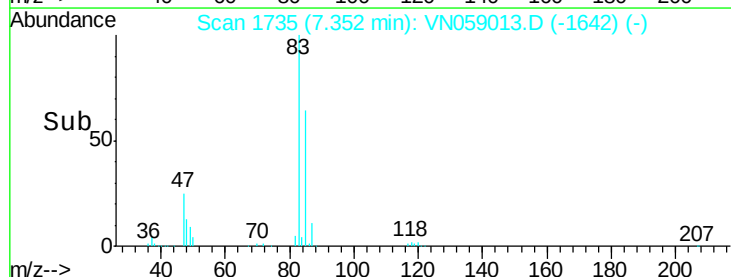
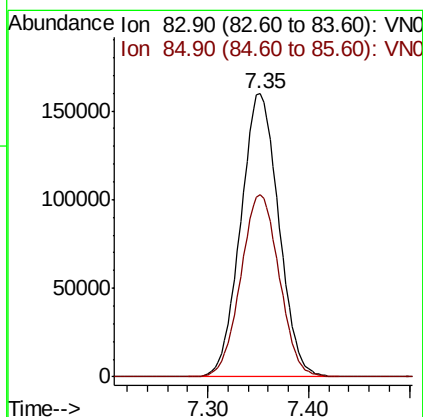
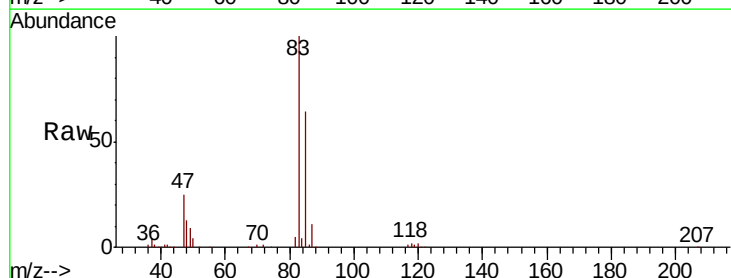
Instrument :
MSVOA_N
ClientSampled :

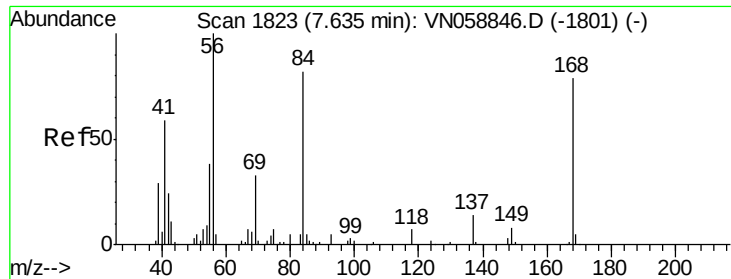
Tot Ion: 42 Resp: 622659
Ion Ratio Lower Upper
42 100
72 40.3 32.2 48.2
71 38.1 30.6 45.8



#30
Chloroform
Concen: 47.689 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 83 Resp: 417181
Ion Ratio Lower Upper
83 100
85 64.3 51.9 77.9

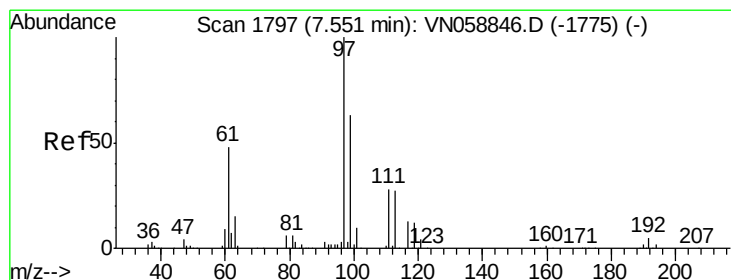
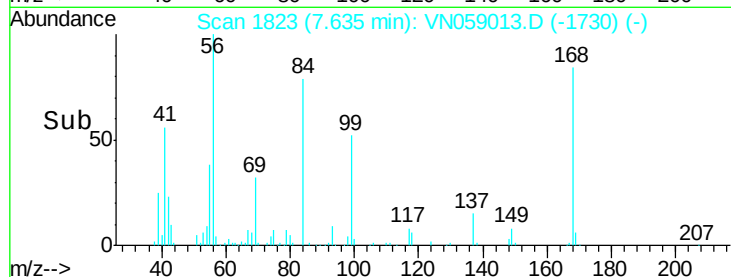
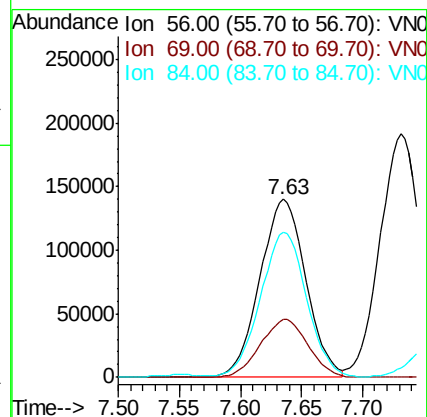
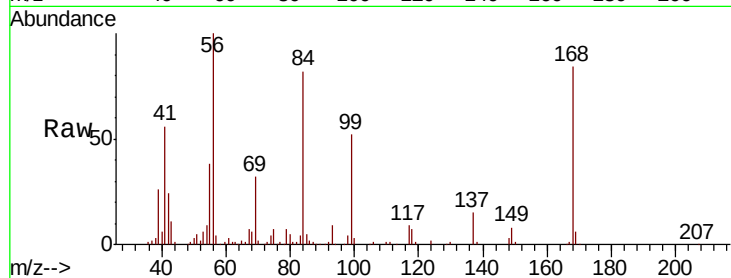




#31
Cyclohexane
Concen: 45.149 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

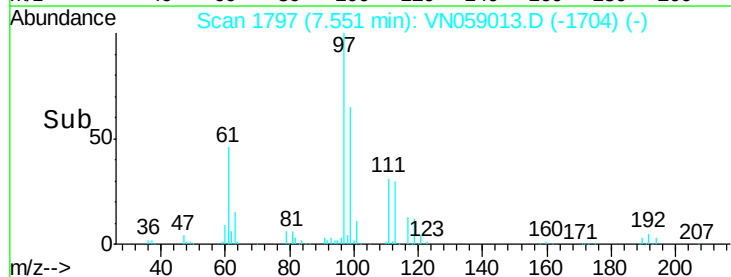
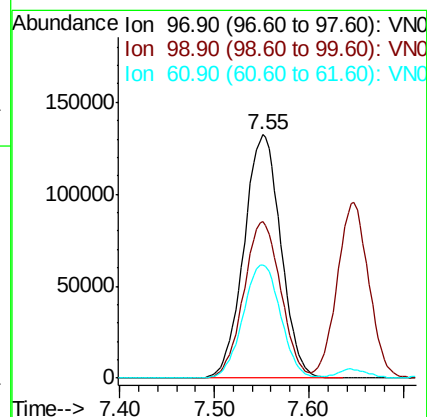
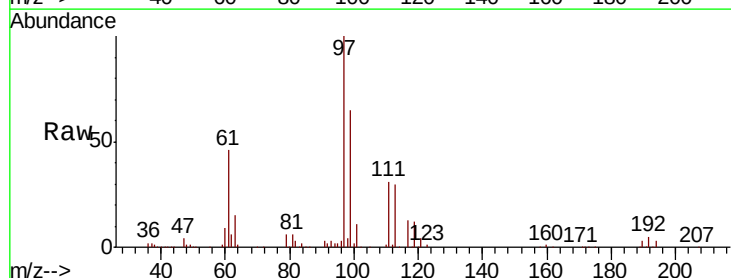
Instrument :
MSVOA_N
ClientSampled :

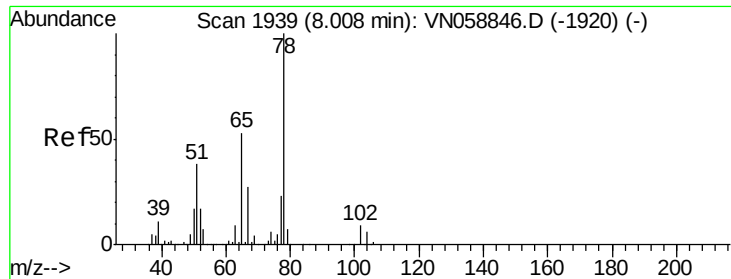
Tot Ion: 56 Resp: 366810
Ion Ratio Lower Upper
56 100
69 32.4 26.2 39.4
84 80.5 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 48.608 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 97 Resp: 358416
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.4
61 47.3 38.6 58.0

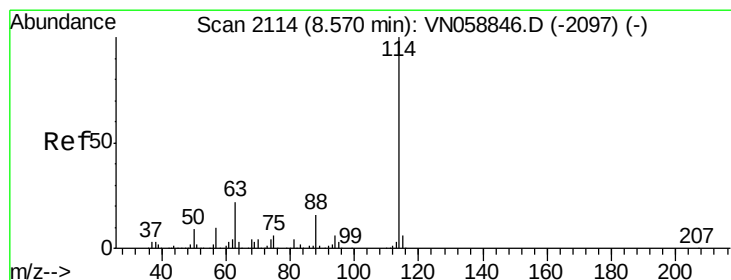
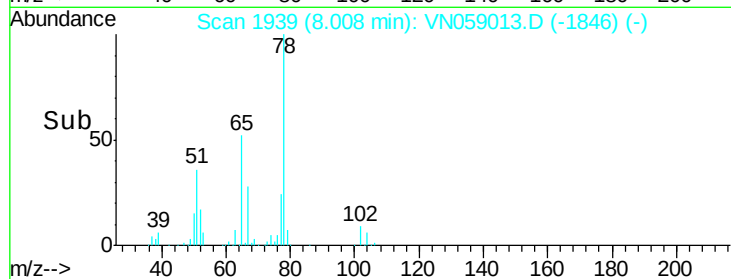
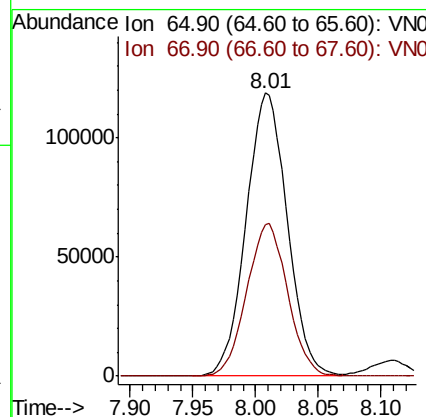
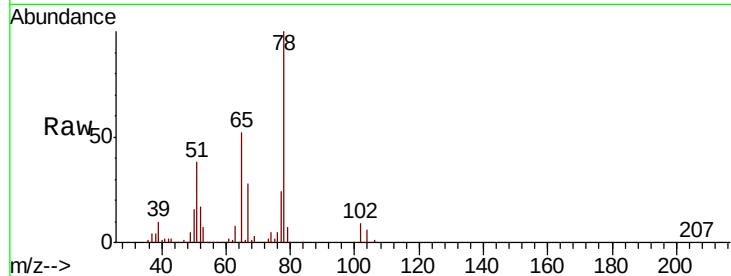




#33
 1,2-Dichloroethane-d4
 Concen: 48.064 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

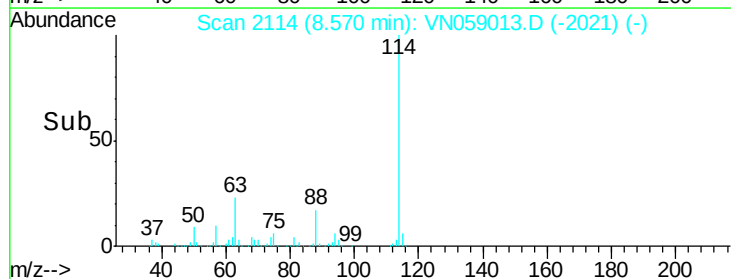
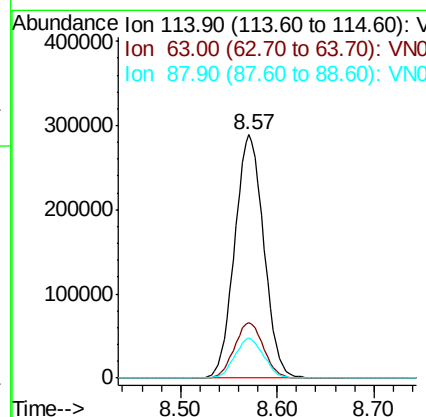
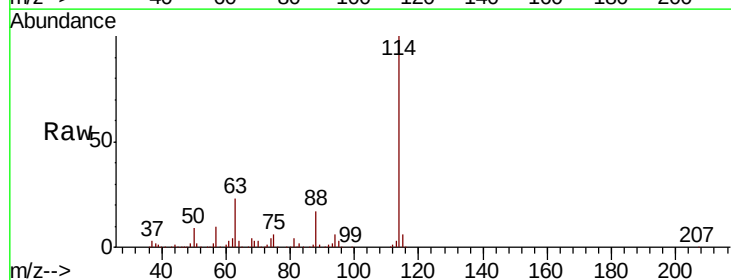
Instrument :
 MSVOA_N
 ClientSampled :

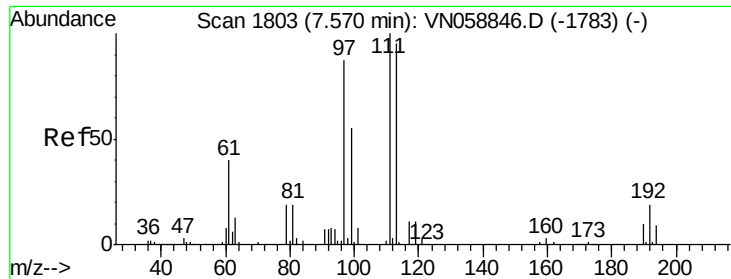
Tot Ion: 65 Resp: 271724
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion: 114 Resp: 602576
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.4
 88 16.5 0.0 31.4

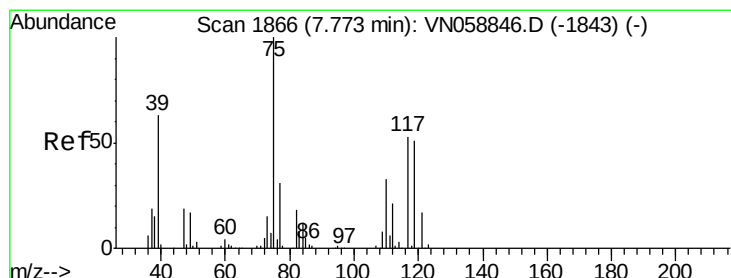
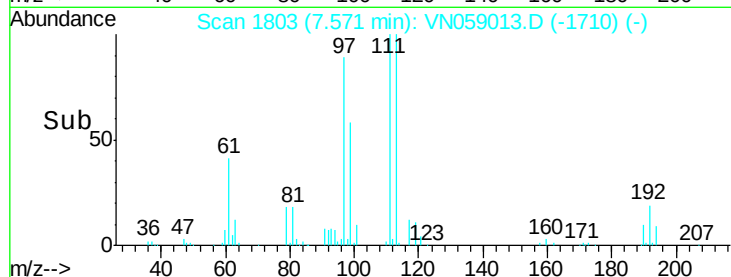
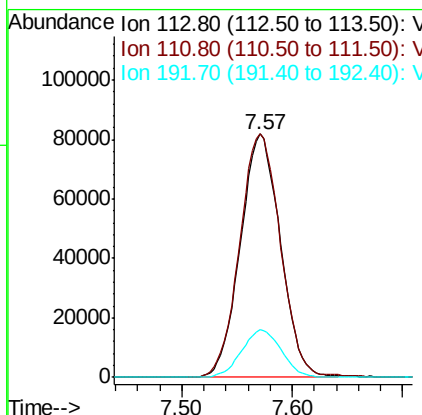
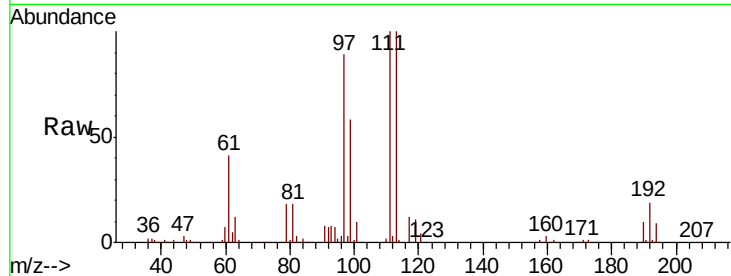




#35
 Dibromofluoromethane
 Concen: 51.902 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

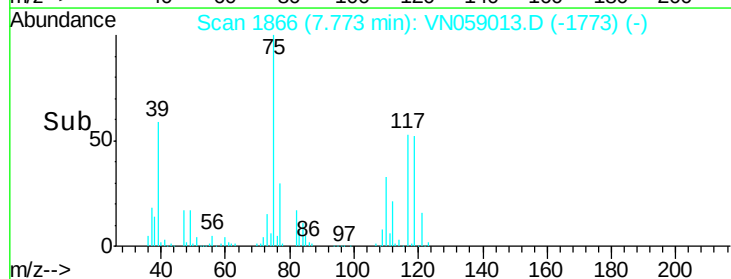
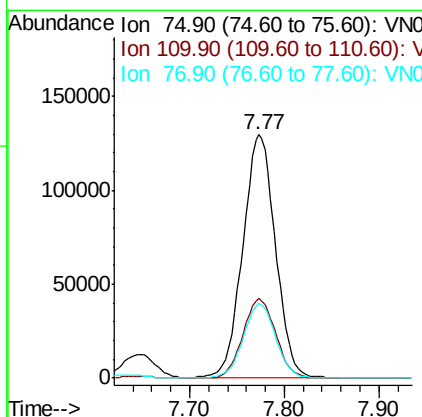
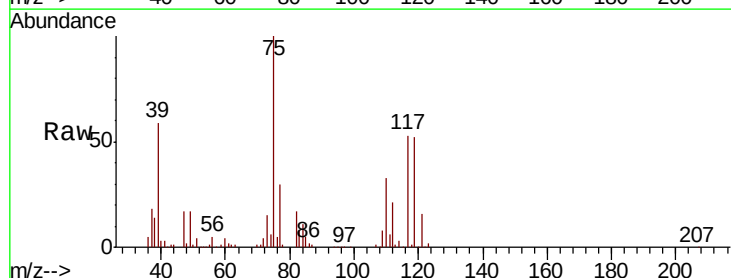
Instrument :
 MSVOA_N
 ClientSampleId :

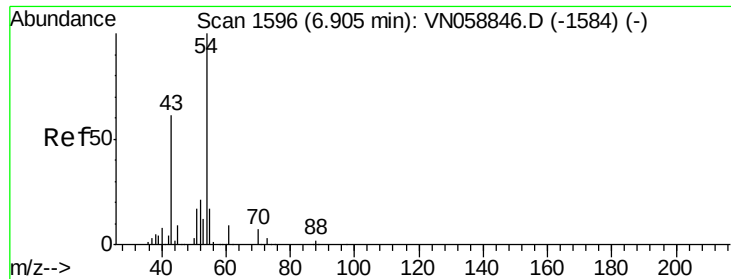
Tot Ion:113 Resp: 205626
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.0 123.0
 192 19.3 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 50.006 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion: 75 Resp: 308492
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.3 48.9
 77 30.8 24.6 36.8

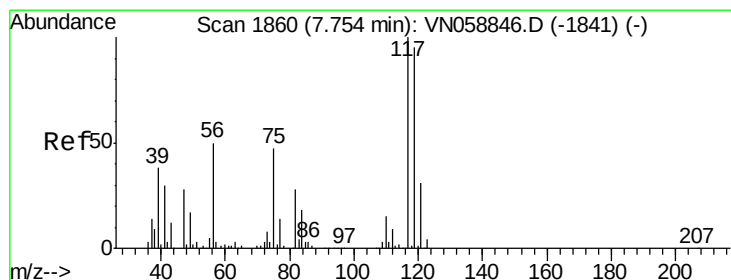
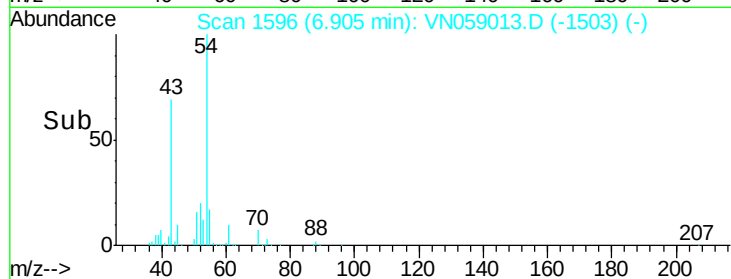
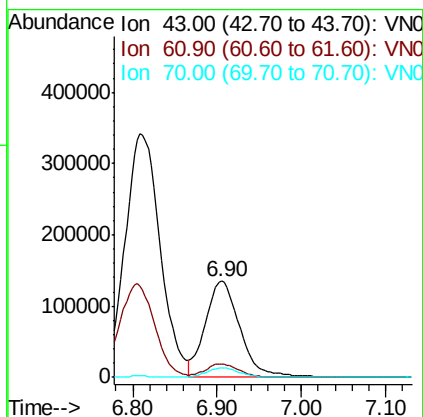
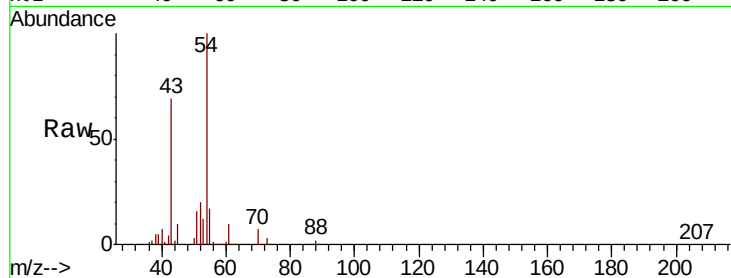




#37
Ethyl Acetate
Concen: 56.520 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

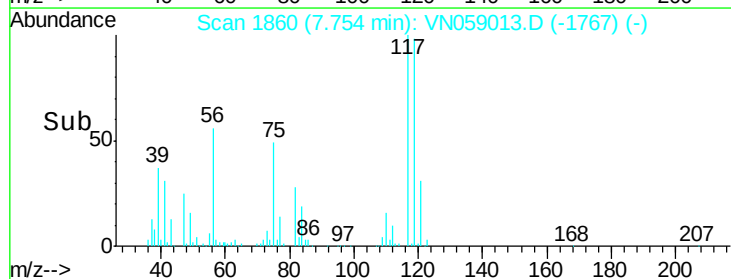
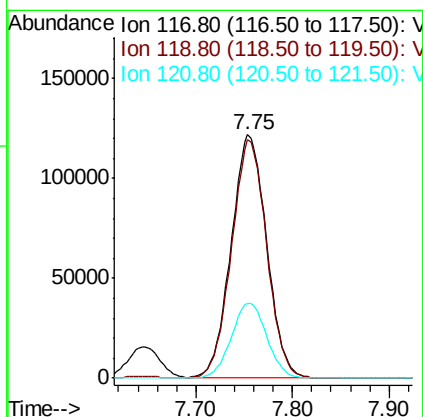
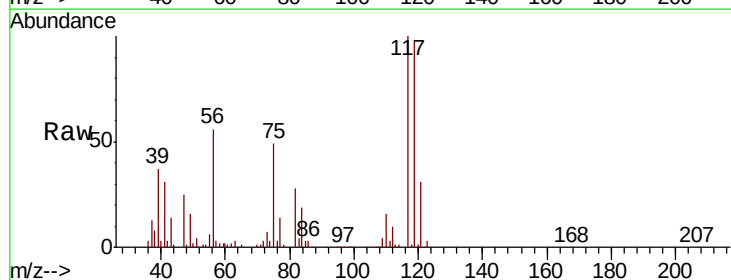
Instrument :
MSVOA_N
ClientSampleId :

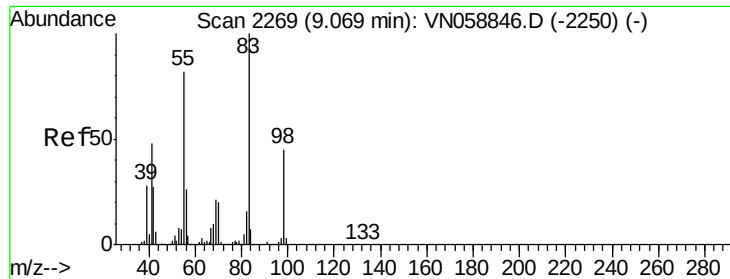
Tot Ion: 43 Resp: 379929
Ion Ratio Lower Upper
43 100
61 13.2 10.5 15.7
70 9.6 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.919 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 117 Resp: 310896
Ion Ratio Lower Upper
117 100
119 97.8 75.7 113.5
121 30.5 25.0 37.6

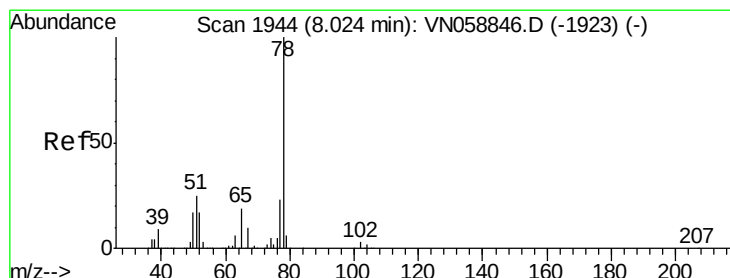
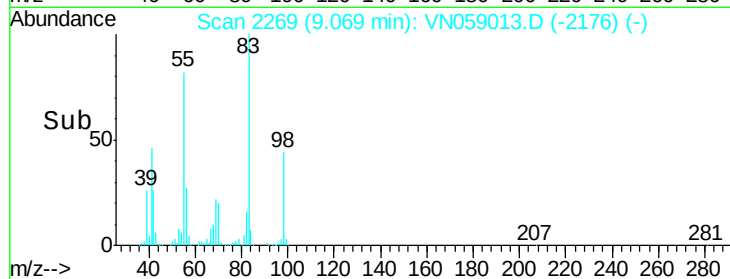
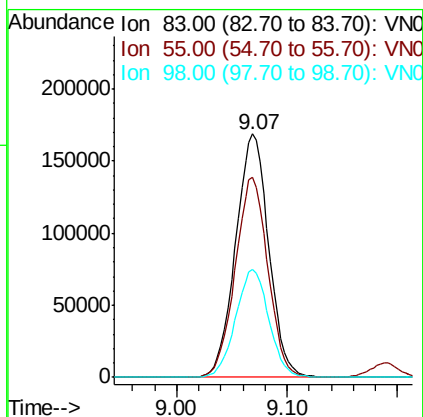
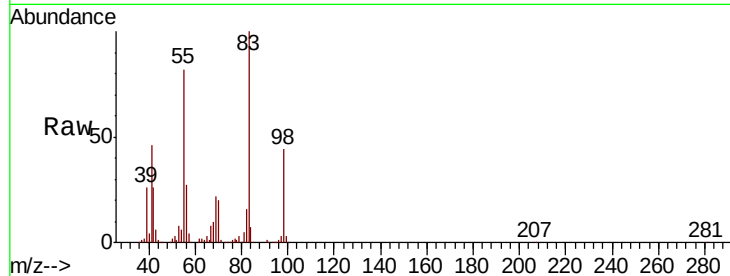




#39
Methylvlcyclohexane
Concen: 50.541 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

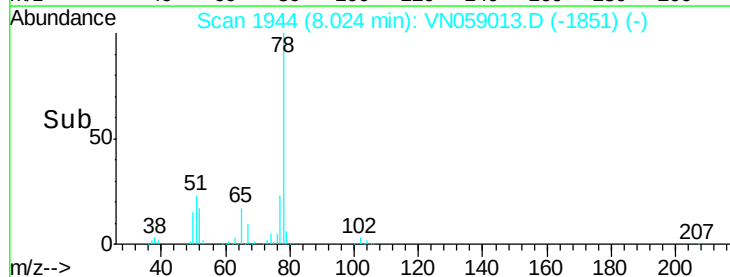
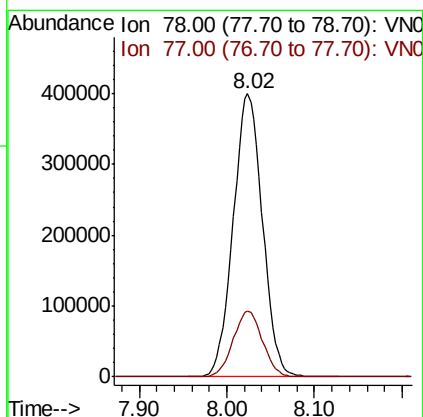
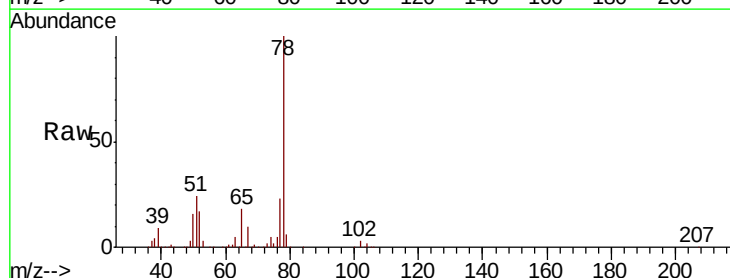
Instrument :
MSVOA_N
ClientSampled :

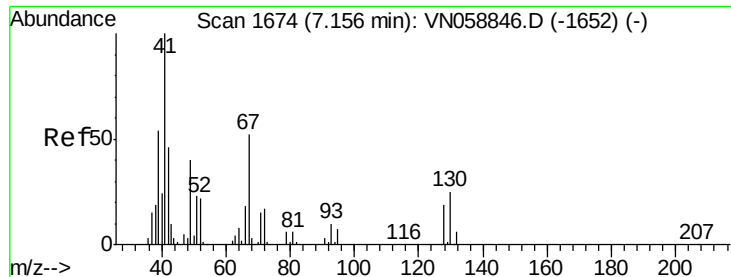
Tot Ion: 83 Resp: 350101
Ion Ratio Lower Upper
83 100
55 82.4 65.5 98.3
98 44.3 35.7 53.5



#40
Benzene
Concen: 51.216 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 78 Resp: 927801
Ion Ratio Lower Upper
78 100
77 23.1 18.2 27.2

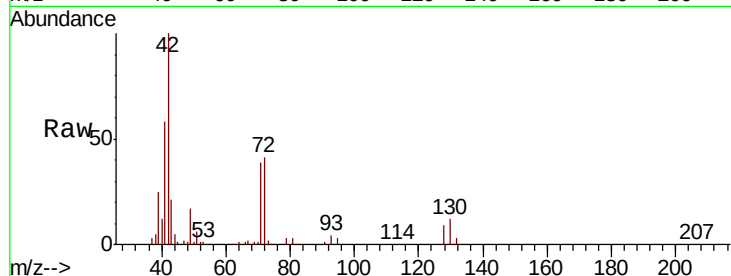




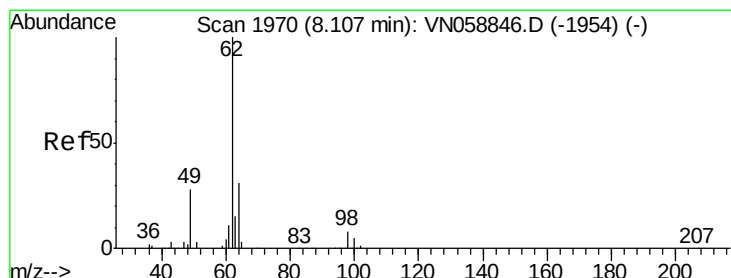
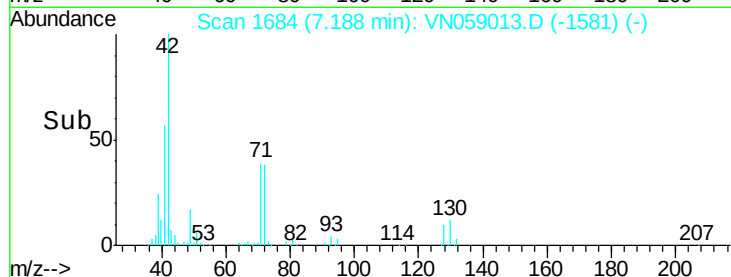
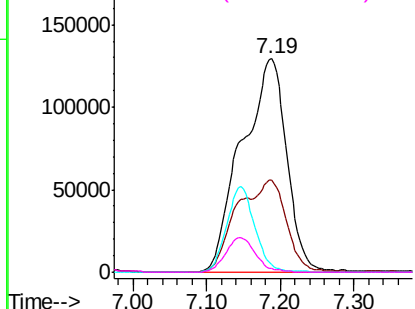
#41
Methacrylonitrile
Concen: 182.747 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	547115
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

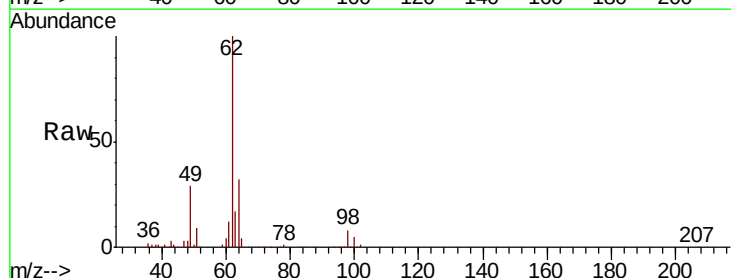


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

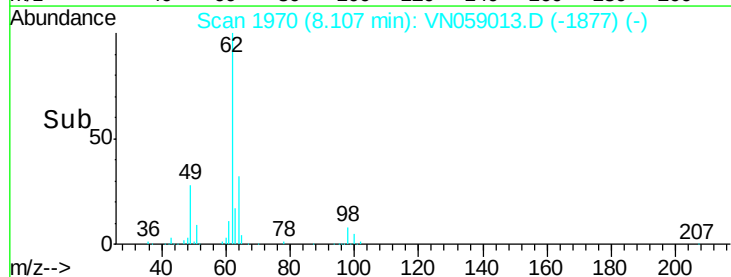
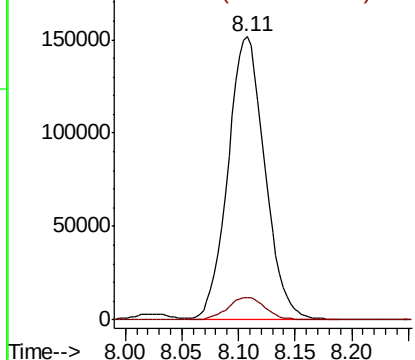


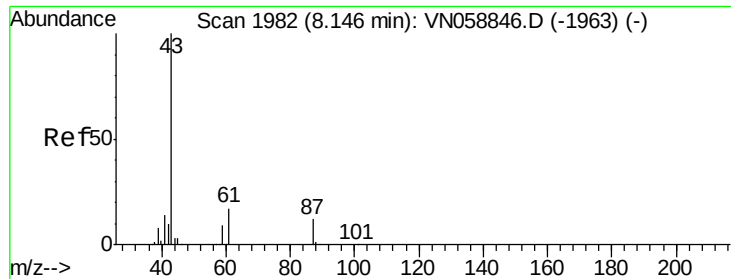
#42
1,2-Dichloroethane
Concen: 49.163 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion:	62	Resp:	343073
Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



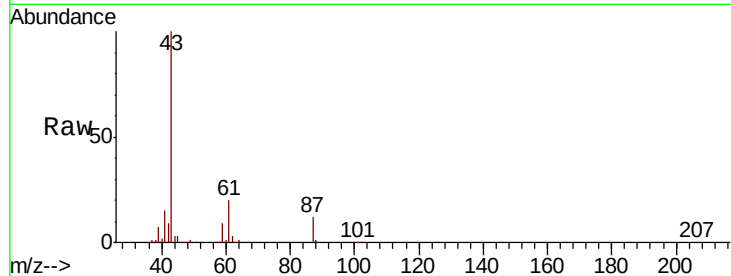


#43

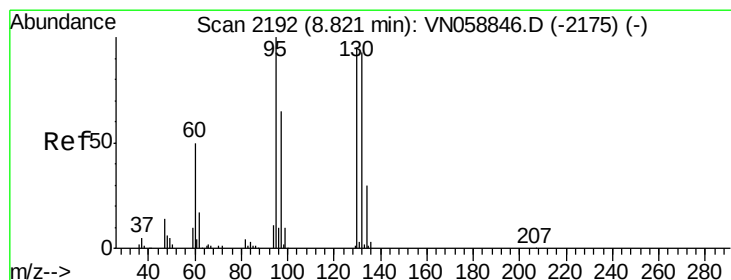
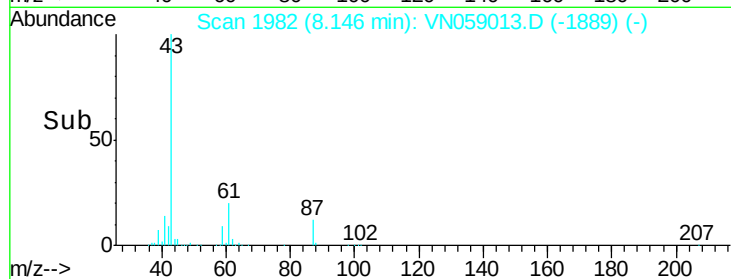
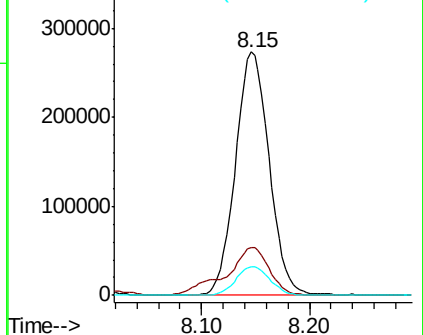
Isopropyl Acetate
 Concen: 55.103 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 594041
 Ion Ratio Lower Upper
 43 100
 61 25.2 20.2 30.2
 87 11.9 9.5 14.3



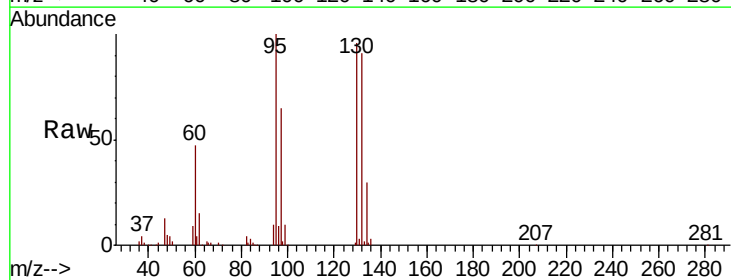
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



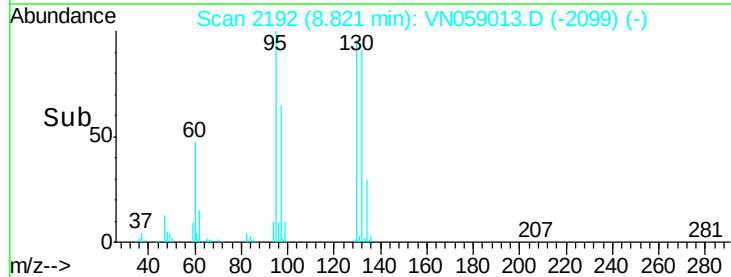
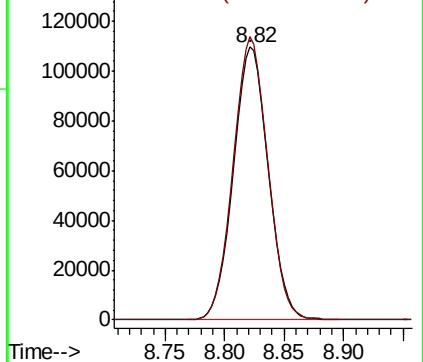
#44

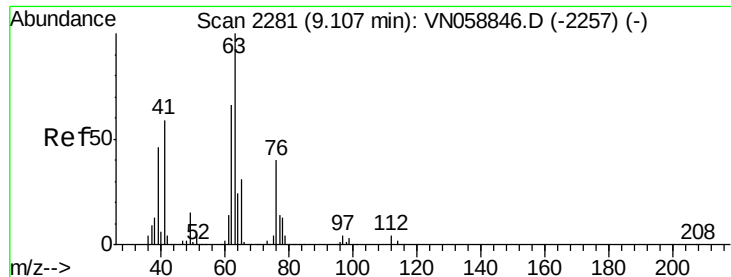
Trichloroethene
 Concen: 50.614 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion:130 Resp: 223353
 Ion Ratio Lower Upper
 130 100
 95 103.7 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

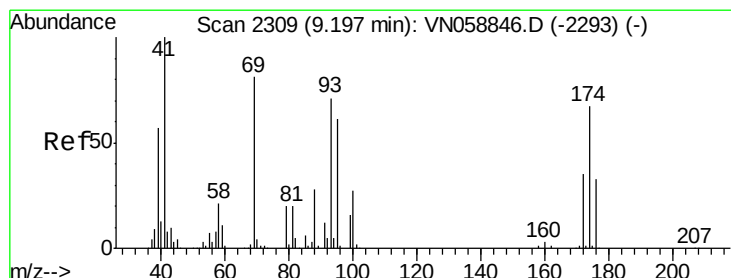
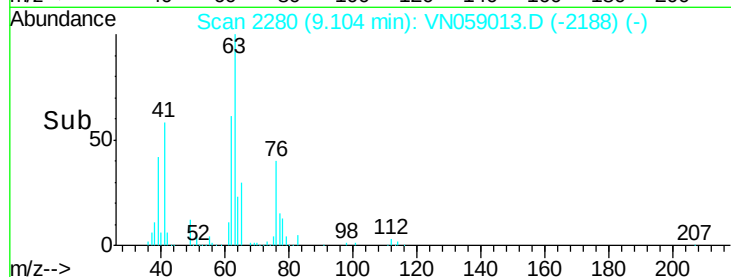
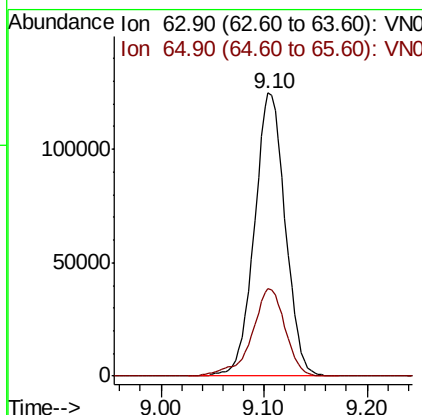
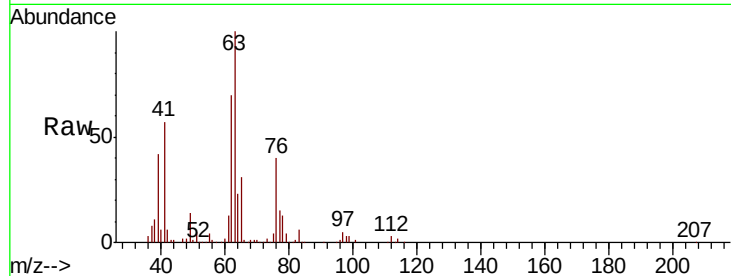




#45
 1,2-Dichloropropane
 Concen: 51.990 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

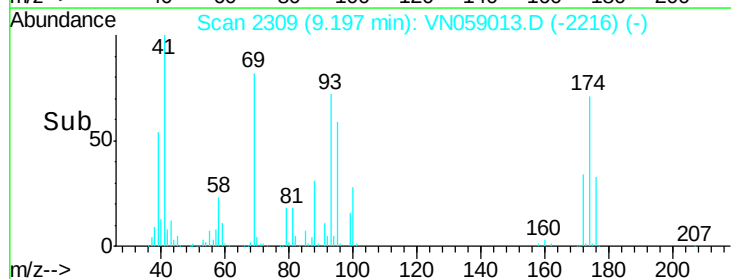
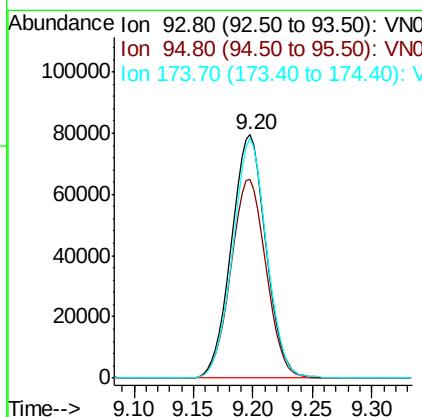
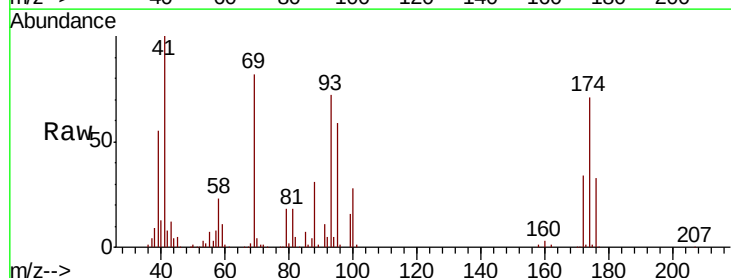
Instrument :
 MSVOA_N
 ClientSampled :

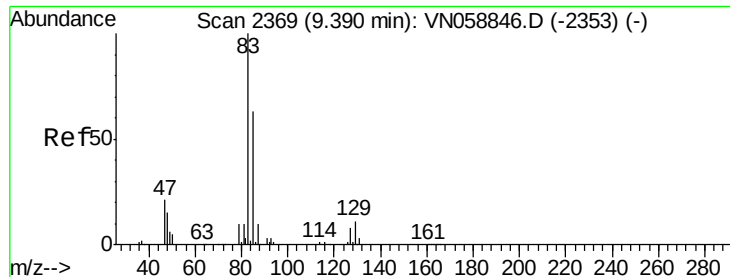
Tot Ion: 63 Resp: 258260
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.5 36.7



#46
 Dibromomethane
 Concen: 51.133 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion: 93 Resp: 160577
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.6 101.4
 174 96.1 74.1 111.1





#47

Bromodichloromethane

Concen: 51.585 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

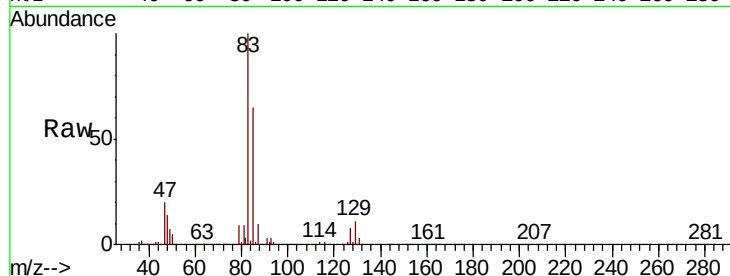
Tot Ion: 83 Resp: 333884

Ion Ratio Lower Upper

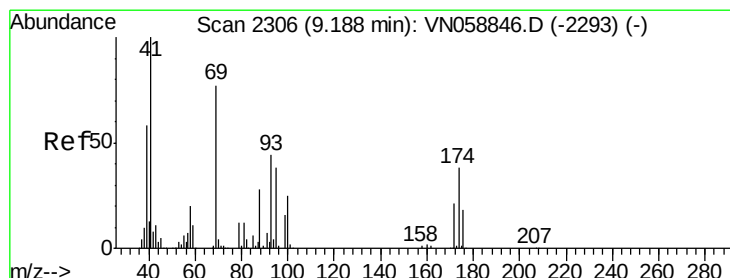
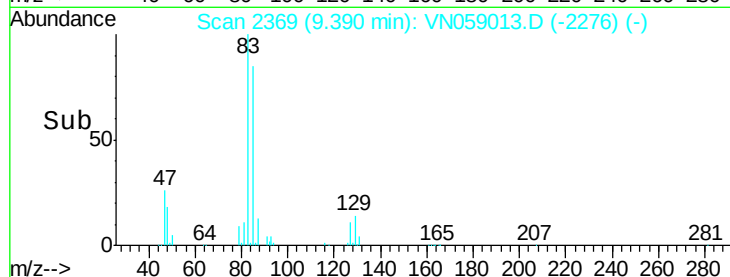
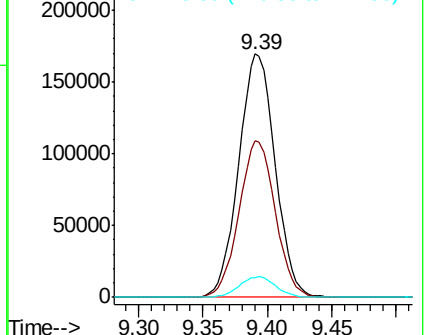
83 100

85 64.5 50.6 75.8

127 8.3 6.5 9.7



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



#48

Methyl methacrylate

Concen: 55.835 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

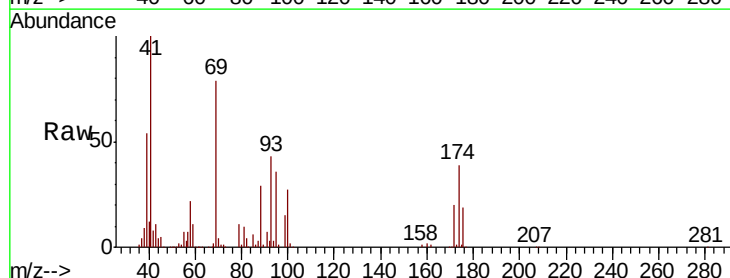
Tgt Ion: 41 Resp: 273098

Ion Ratio Lower Upper

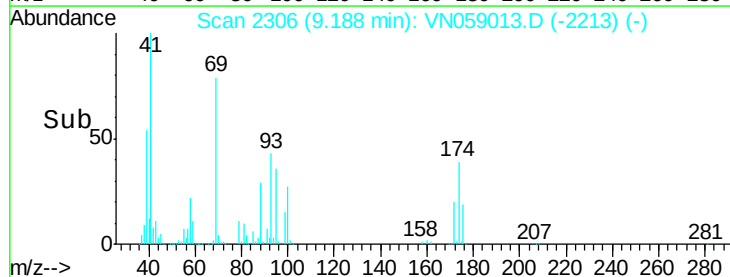
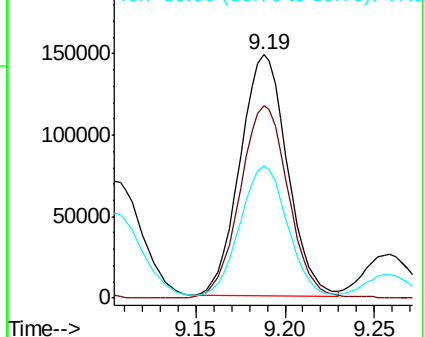
41 100

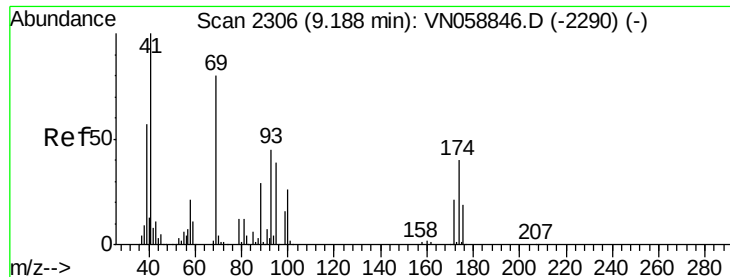
69 82.4 63.8 95.6

39 56.0 47.8 71.8



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

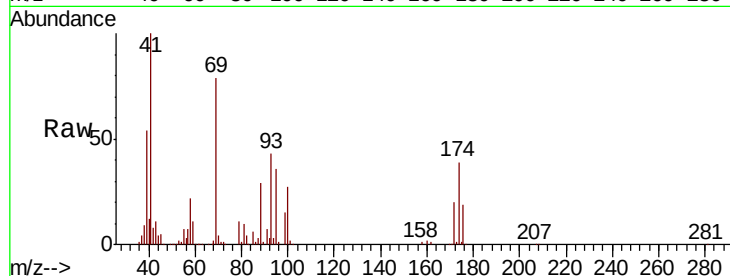




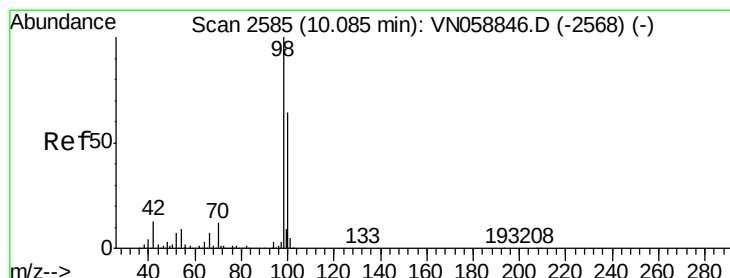
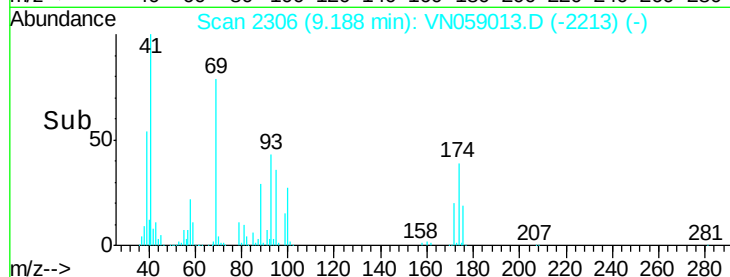
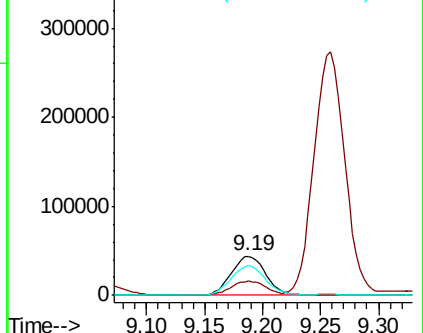
#49
1,4-Dioxane
Concen: 1131.827 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 90877
Ion Ratio Lower Upper
88 100
43 35.9 29.1 43.7
58 75.6 59.4 89.0

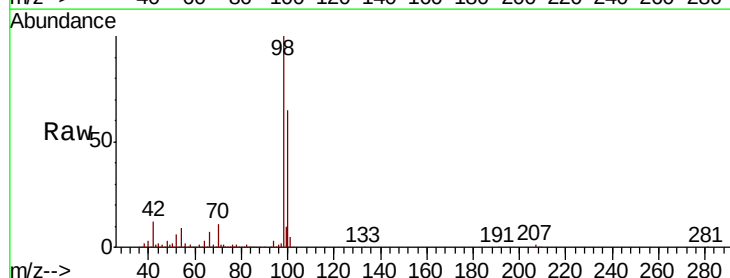


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

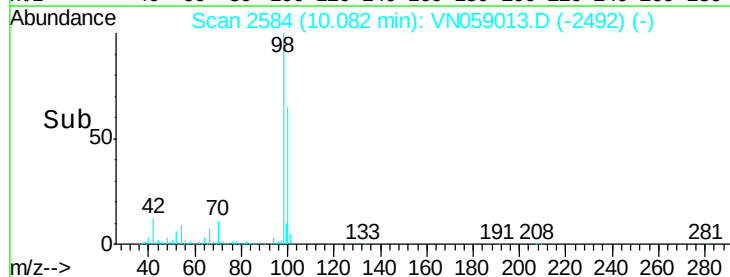
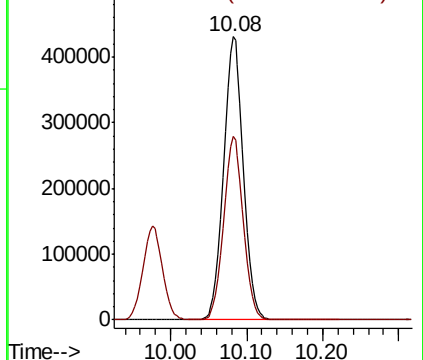


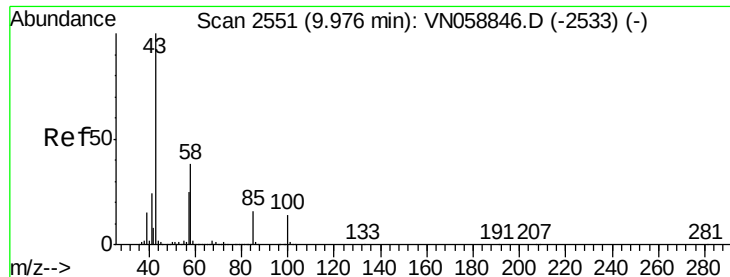
#50
Toluene-d8
Concen: 50.597 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 98 Resp: 778128
Ion Ratio Lower Upper
98 100
100 64.2 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: 306.085 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

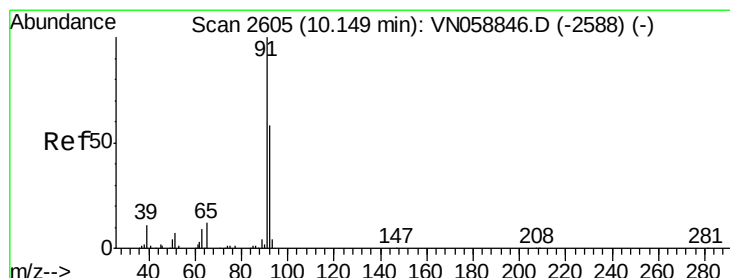
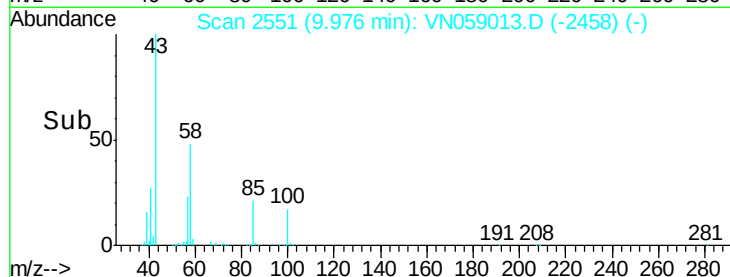
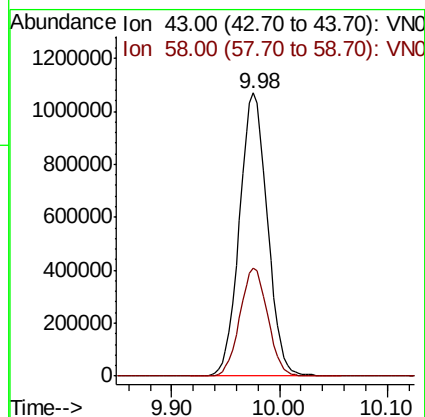
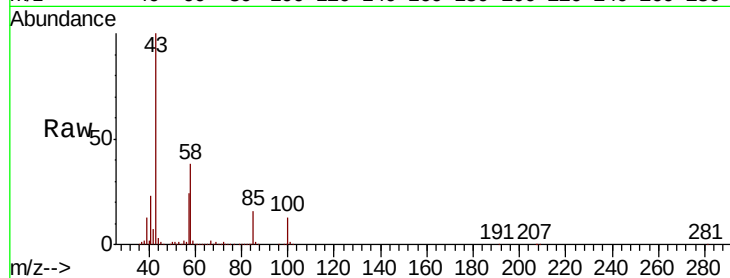
ClientSampled :

Tot Ion: 43 Resp: 1927380

Ion Ratio Lower Upper

43 100

58 38.1 29.9 44.9



#52

Toluene

Concen: 52.836 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059013.D

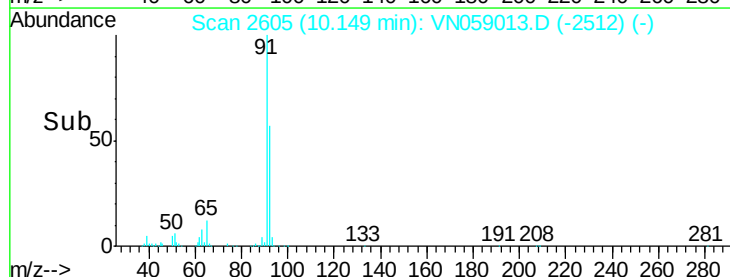
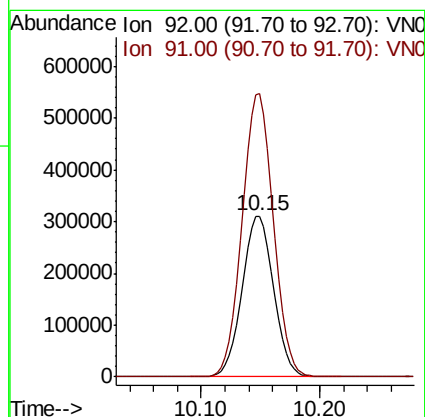
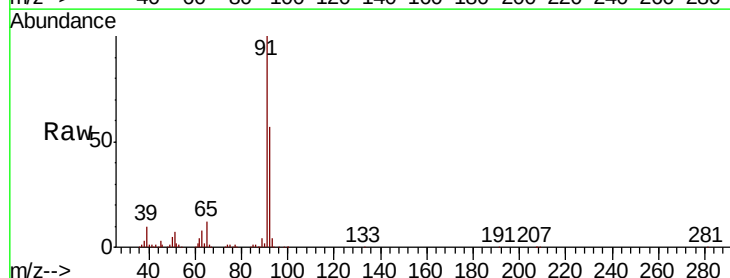
Acq: 29 Oct 2019 16:07

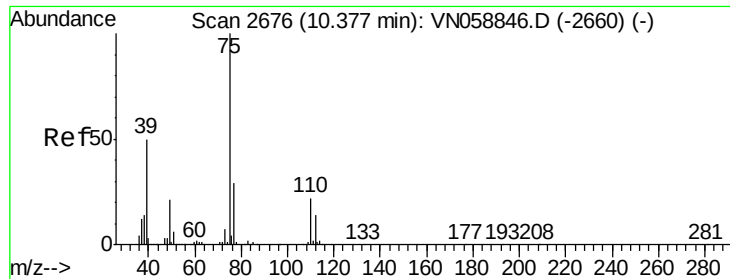
Tgt Ion: 92 Resp: 567600

Ion Ratio Lower Upper

92 100

91 175.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 53.740 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

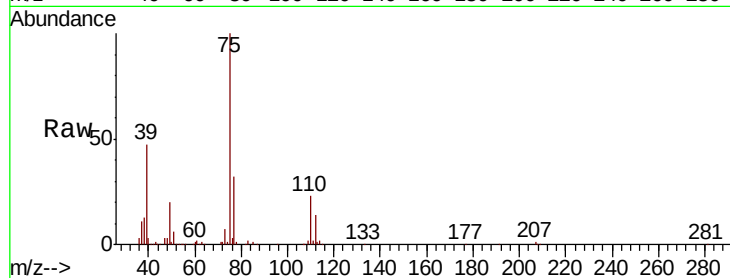
ClientSampleId :

Tot Ion: 75 Resp: 385057

Ion Ratio Lower Upper

75 100

77 31.4 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

250000

200000

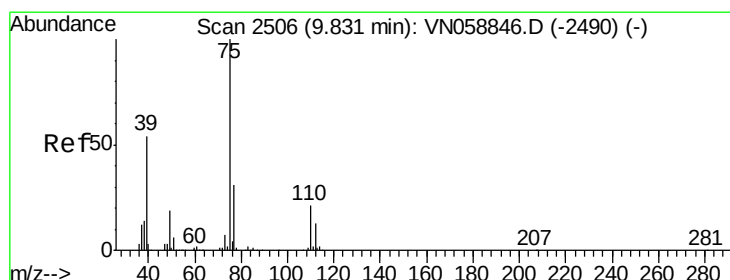
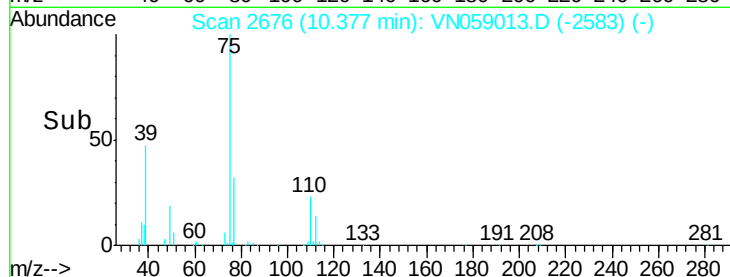
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.295 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

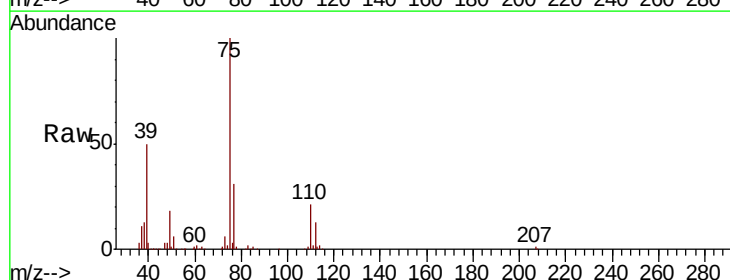
Tgt Ion: 75 Resp: 407978

Ion Ratio Lower Upper

75 100

77 31.2 24.7 37.1

39 49.9 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

9.83

300000

250000

200000

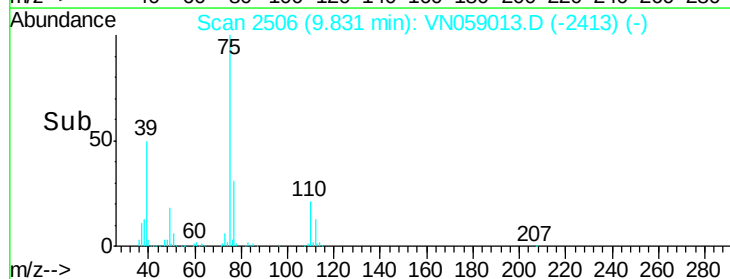
150000

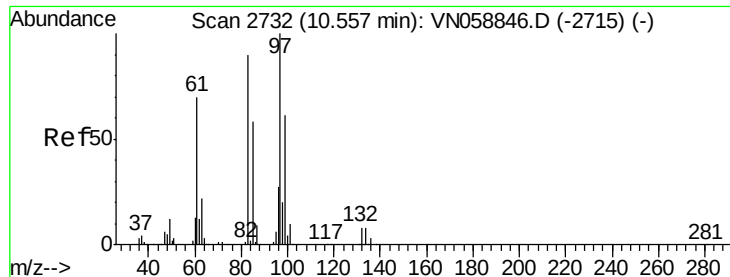
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.599 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

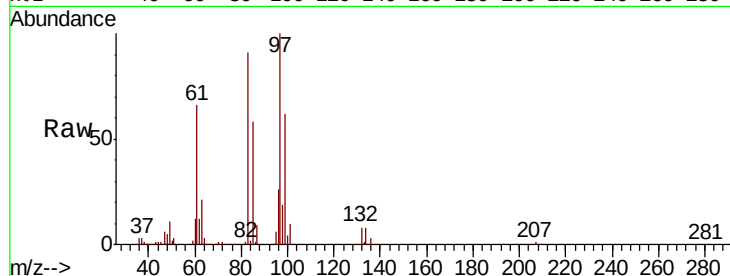
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 232778

Ion	Ratio	Lower	Upper
97	100		
83	90.6	72.2	108.4
85	58.0	46.2	69.2
99	62.1	48.7	73.1

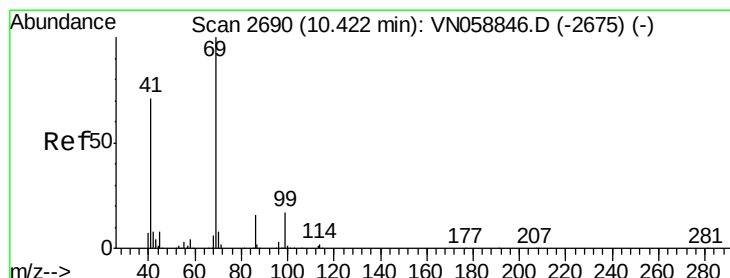
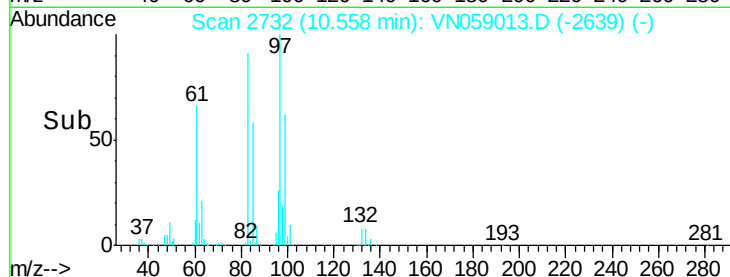


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 51.050 ug/l

RT: 10.43 min Scan# 2691

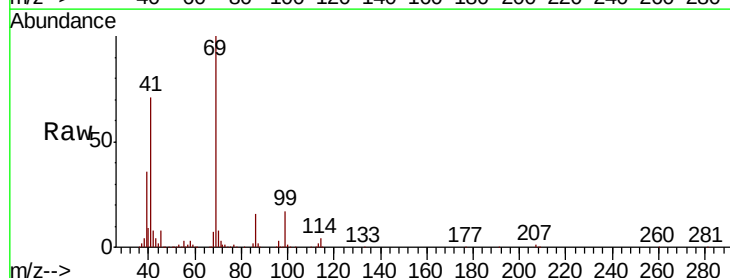
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion: 69 Resp: 379842

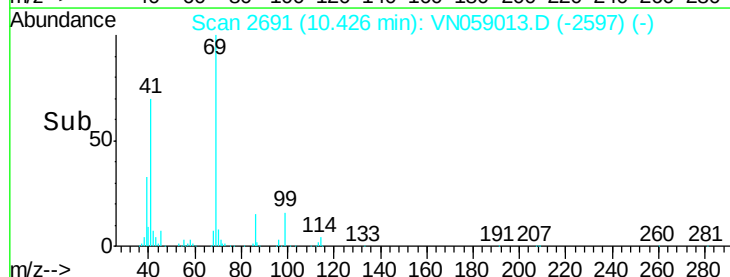
Ion	Ratio	Lower	Upper
69	100		
41	69.9	57.2	85.8
39	36.5	31.0	46.4

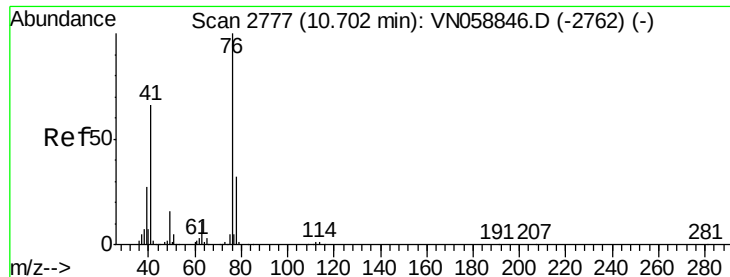


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.756 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

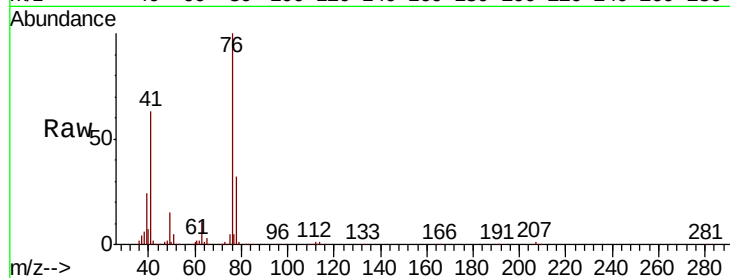
ClientSampled :

Tot Ion: 76 Resp: 409772

Ion Ratio Lower Upper

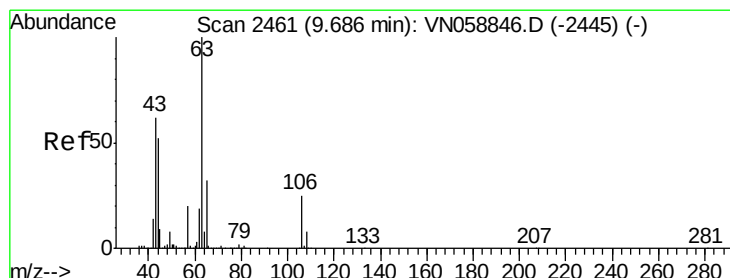
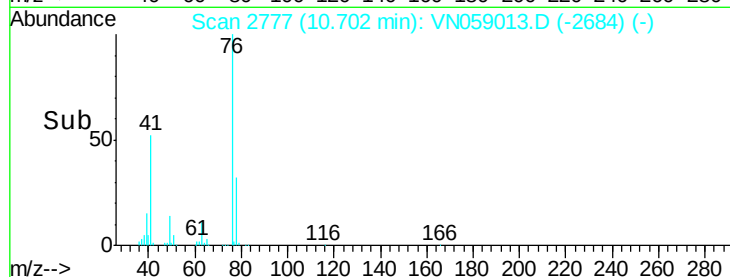
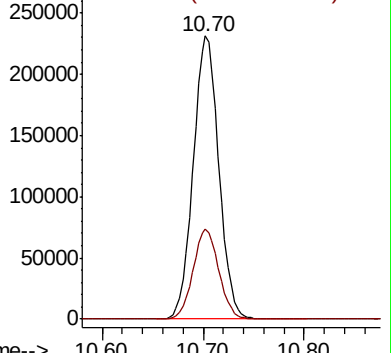
76 100

78 31.9 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 260.034 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059013.D

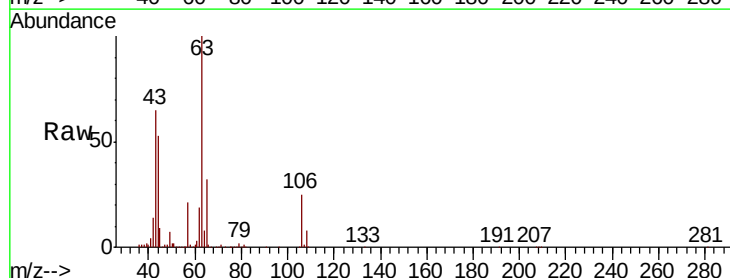
Acq: 29 Oct 2019 16:07

Tgt Ion: 63 Resp: 817013

Ion Ratio Lower Upper

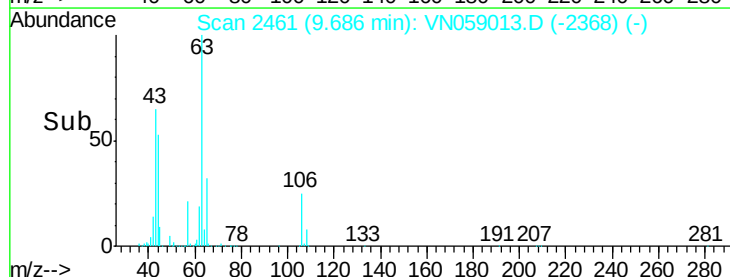
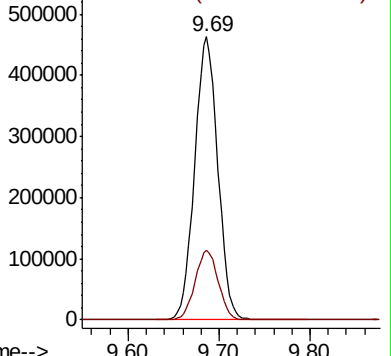
63 100

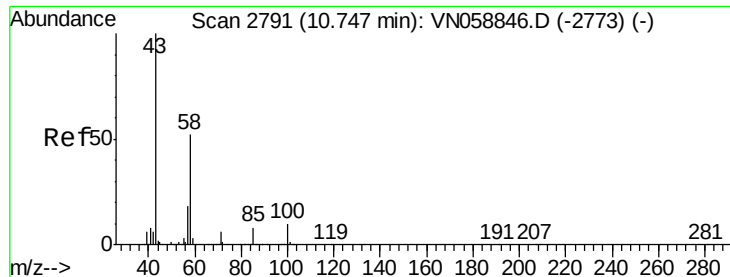
106 24.6 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

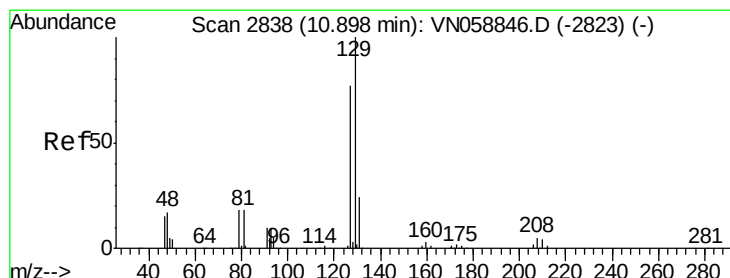
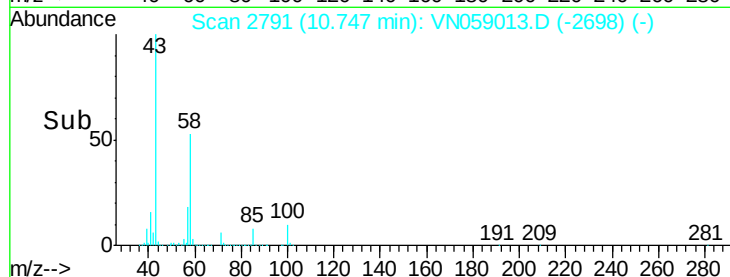
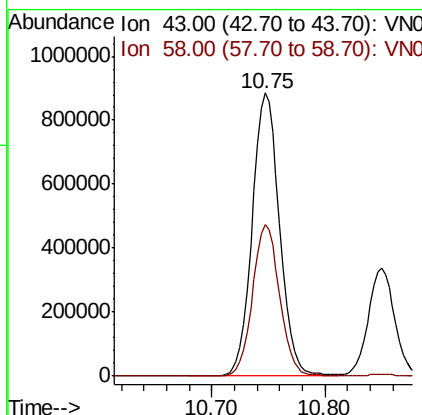
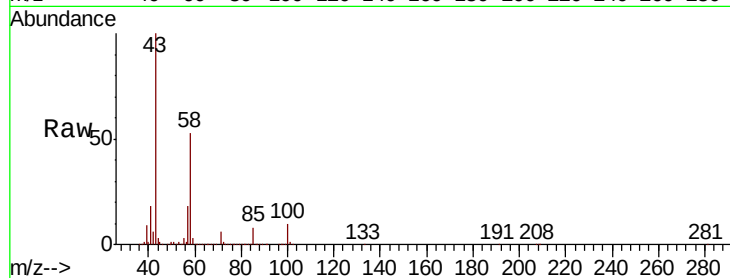




#59
2-Hexanone
Concen: 304.906 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

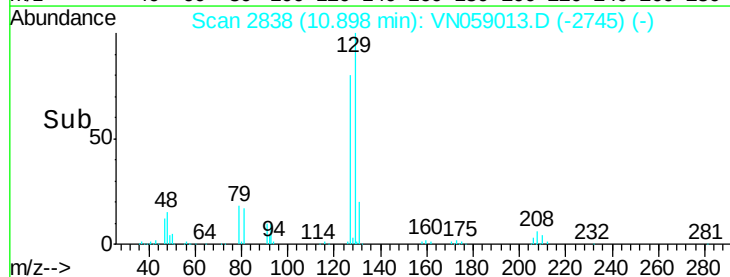
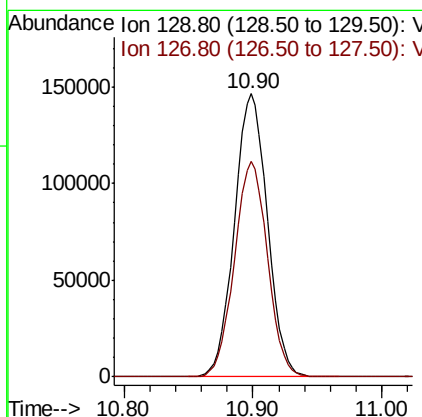
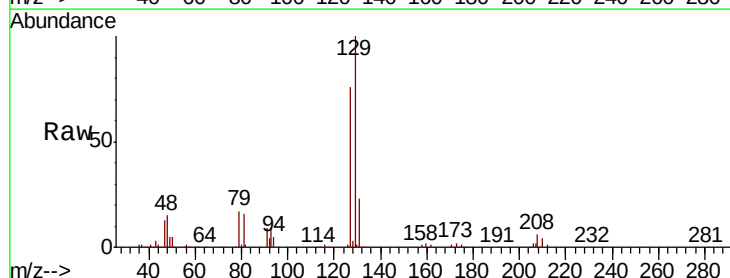
Instrument :
MSVOA_N
ClientSampled :

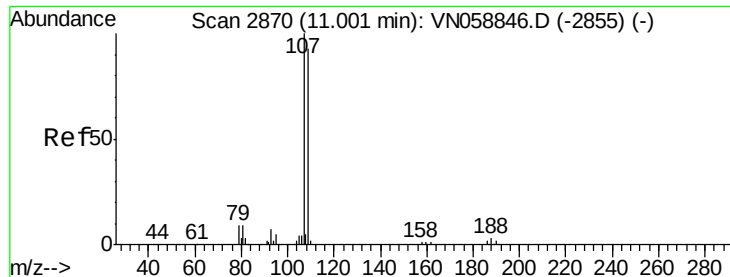
Tot Ion: 43 Resp: 1483610
Ion Ratio Lower Upper
43 100
58 53.2 25.9 77.7



#60
Dibromochloromethane
Concen: 54.700 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 129 Resp: 260559
Ion Ratio Lower Upper
129 100
127 76.3 39.1 117.3

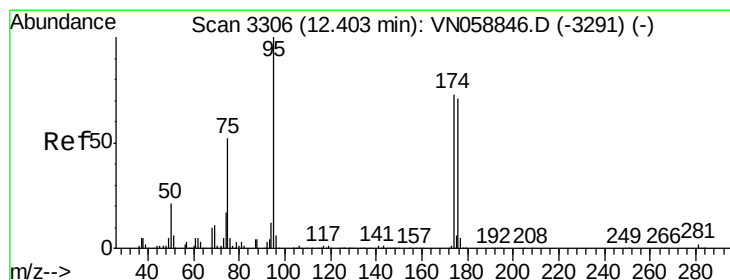
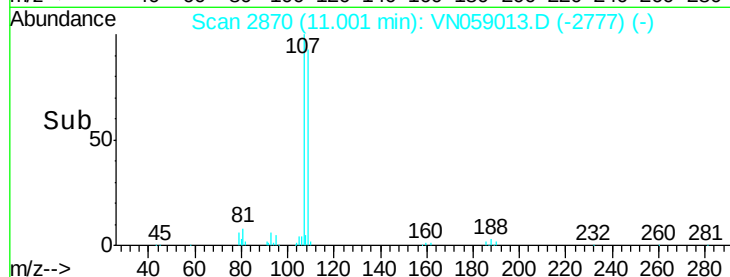
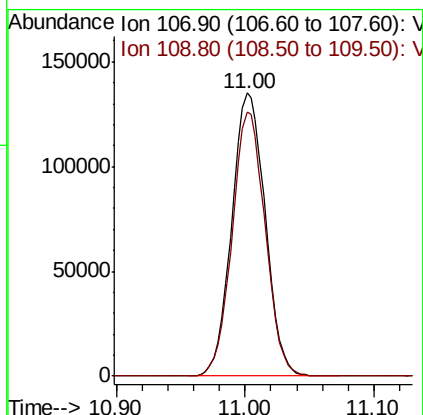
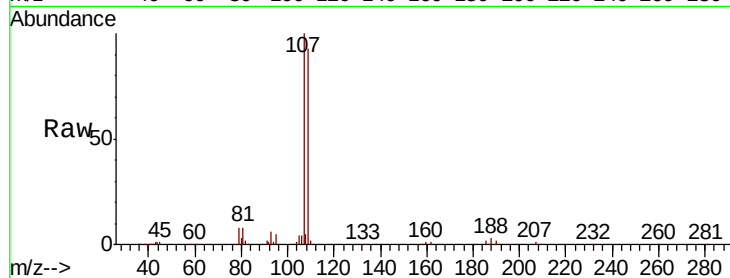




#61
 1,2-Dibromoethane
 Concen: 53.755 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

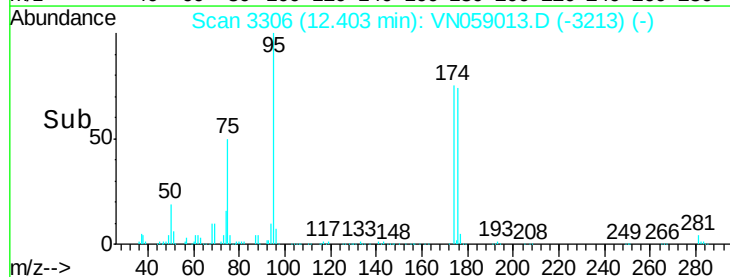
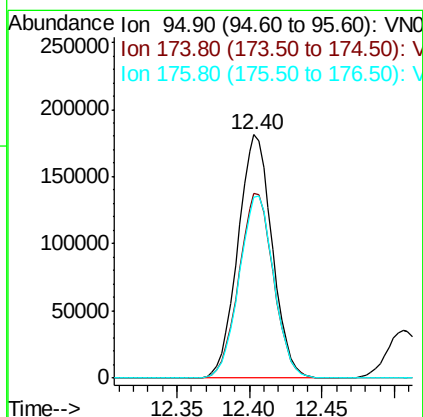
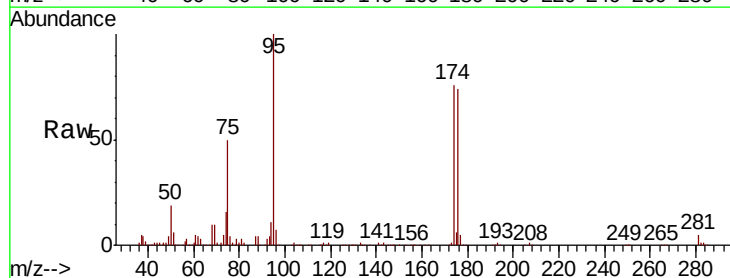
Instrument :
 MSVOA_N
 ClientSampleId :

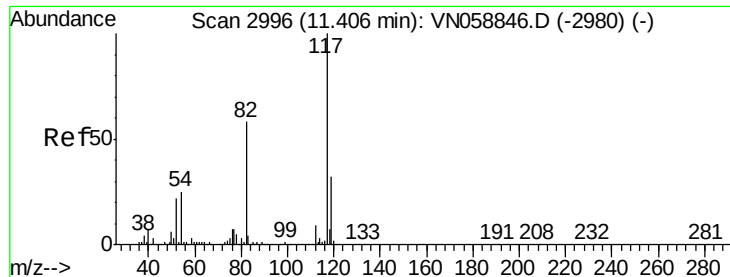
Tot Ion: 107 Resp: 243456
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 52.663 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion: 95 Resp: 297422
 Ion Ratio Lower Upper
 95 100
 174 76.7 0.0 147.6
 176 75.6 0.0 143.2

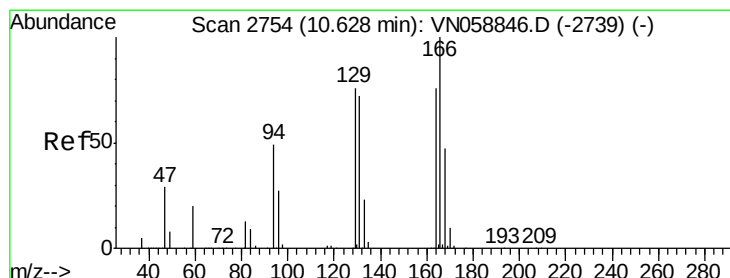
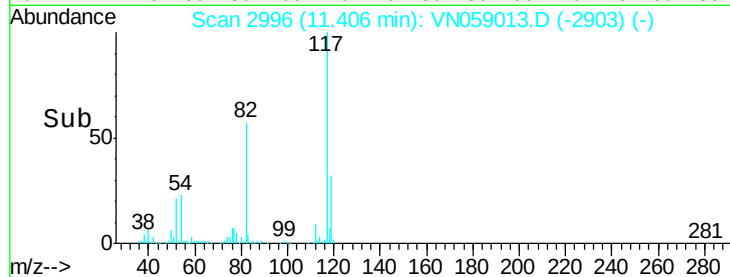
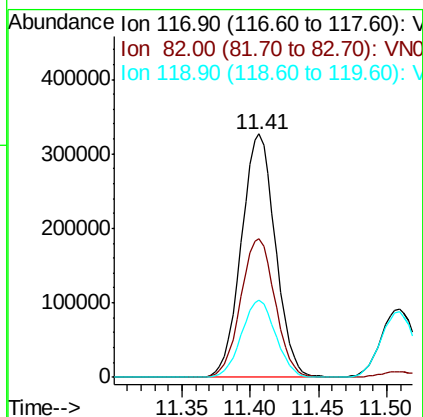
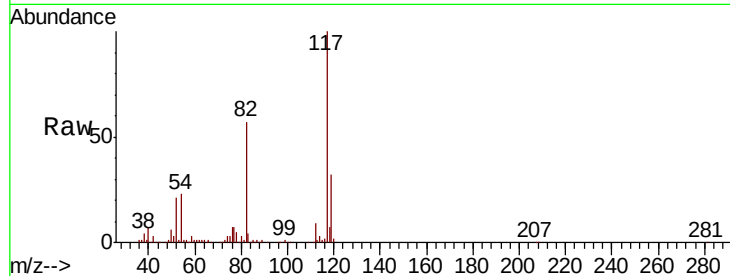




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

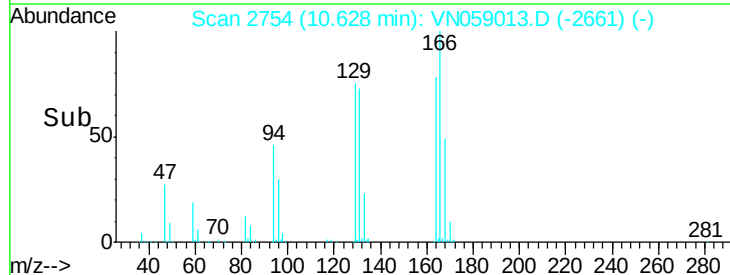
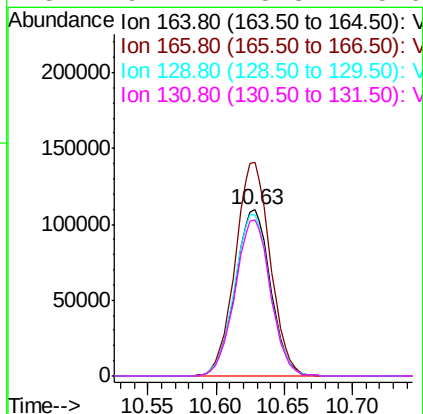
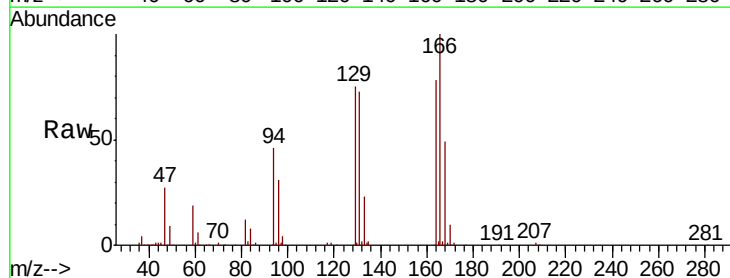
Instrument :
MSVOA_N
ClientSampleId :

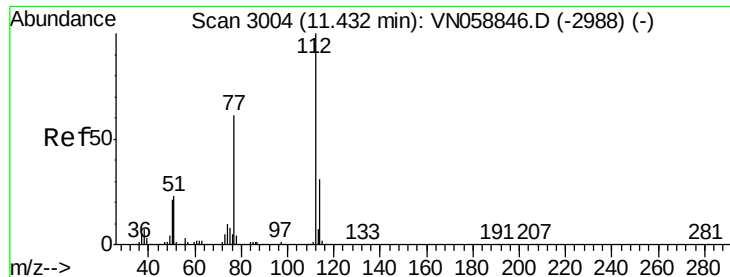
Tot Ion:117 Resp: 565422
Ion Ratio Lower Upper
117 100
82 56.8 46.6 69.8
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 49.741 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion:164 Resp: 196967
Ion Ratio Lower Upper
164 100
166 128.6 104.8 157.2
129 97.1 79.3 118.9
131 94.4 75.8 113.6

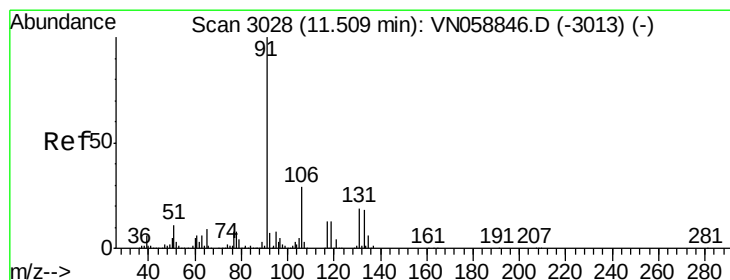
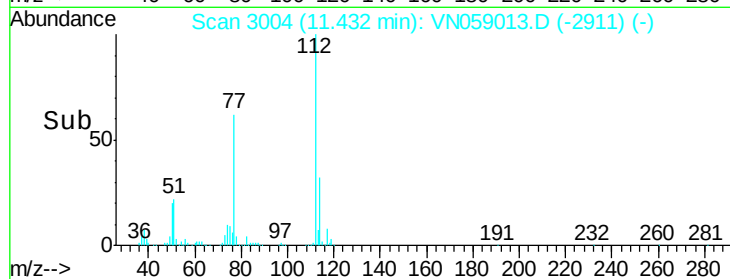
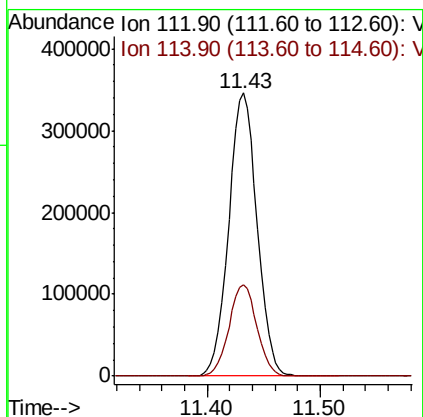
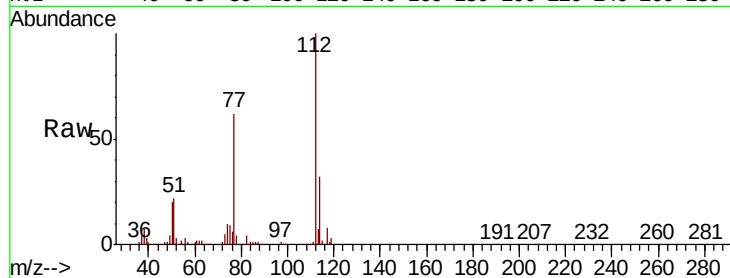




#65
Chlorobenzene
Concen: 52.268 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

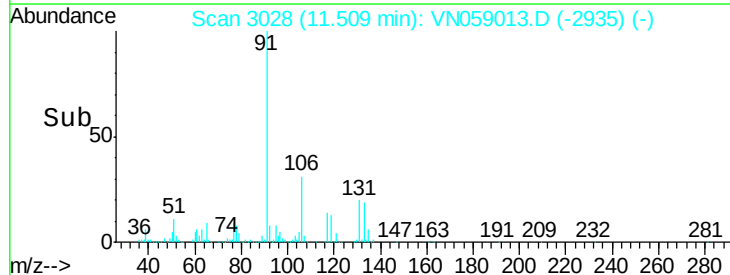
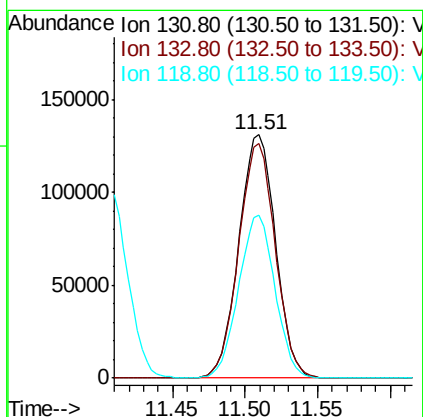
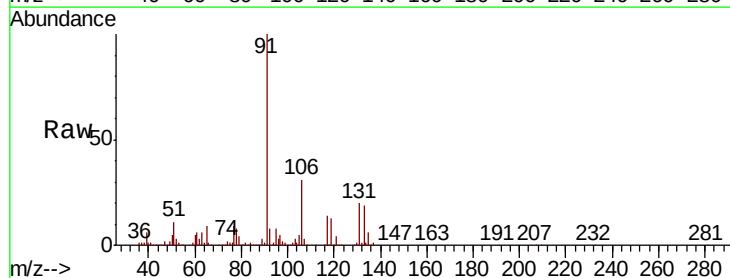
Instrument :
MSVOA_N
ClientSampled :

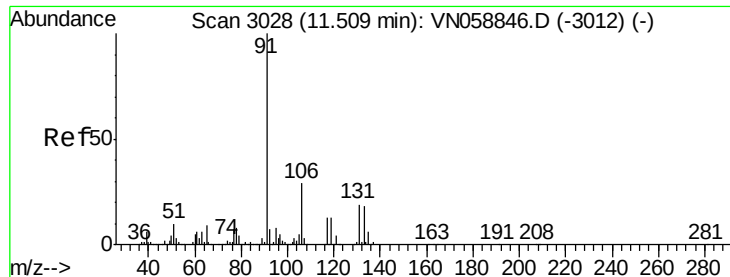
Tot Ion:112 Resp: 601671
Ion Ratio Lower Upper
112 100
114 32.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.200 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion:131 Resp: 231092
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.2
119 66.0 33.6 100.8





#67

Ethyl Benzene

Concen: 54.860 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

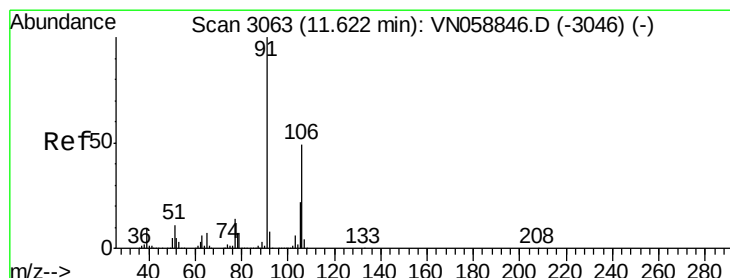
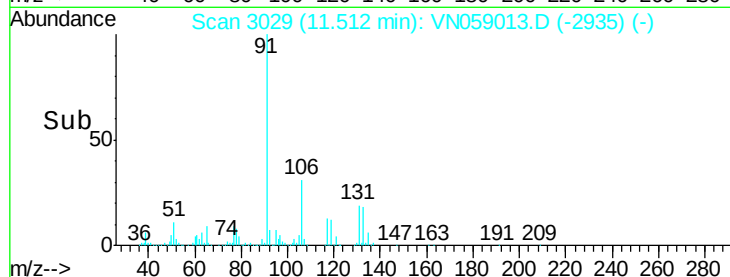
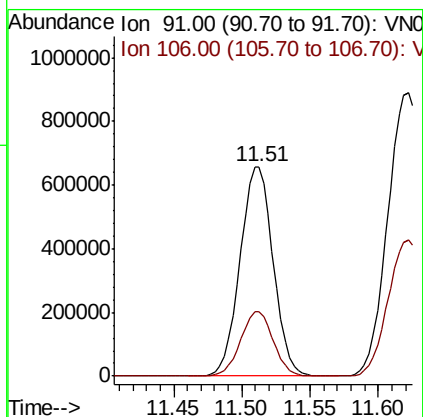
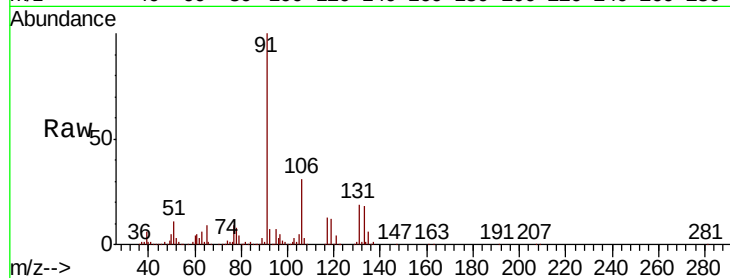
ClientSampleId :

Tot Ion: 91 Resp: 1107801

Ion Ratio Lower Upper

91 100

106 30.5 23.4 35.0



#68

m/p-Xylenes

Concen: 110.095 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059013.D

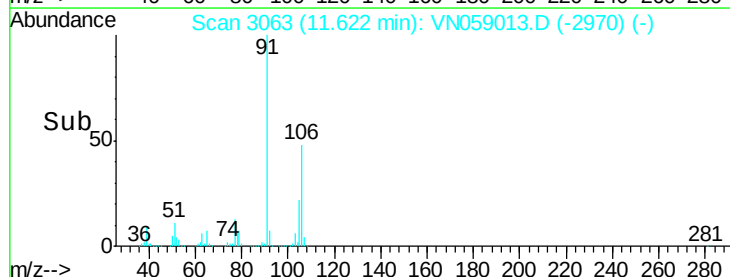
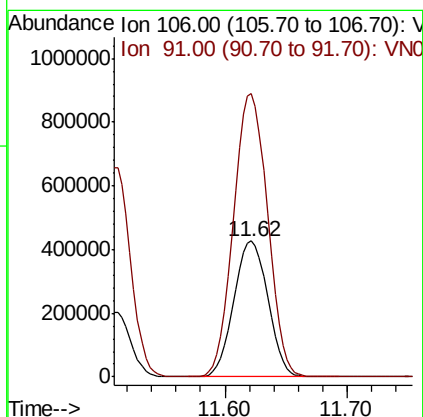
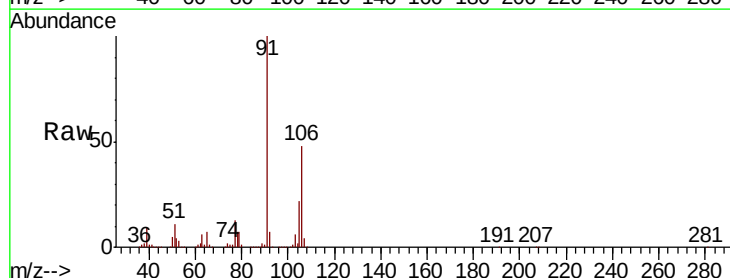
Acq: 29 Oct 2019 16:07

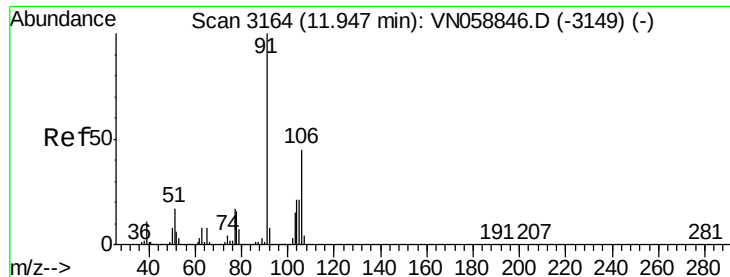
Tgt Ion: 106 Resp: 824459

Ion Ratio Lower Upper

106 100

91 208.8 166.6 249.8

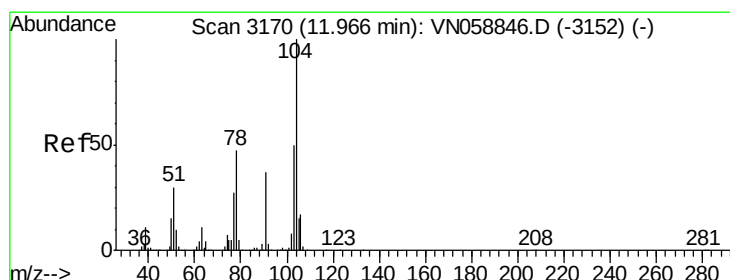
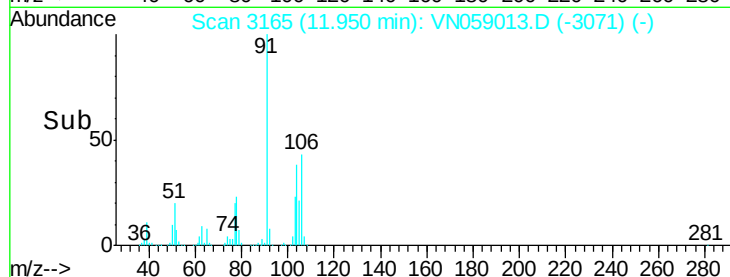
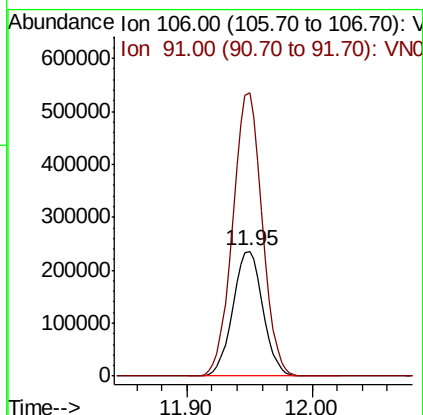
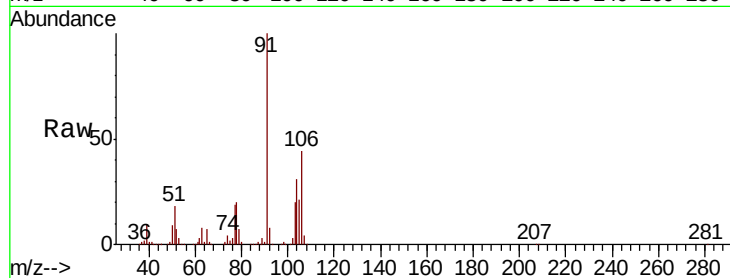




#69
o-Xylene
Concen: 54.838 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

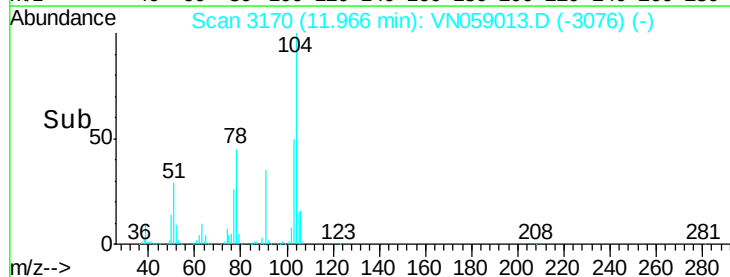
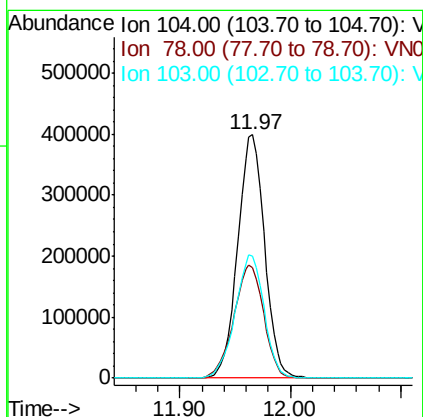
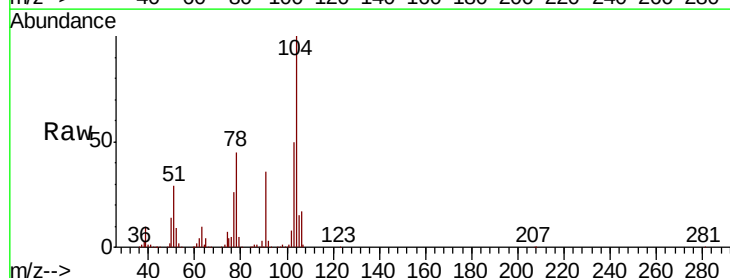
Instrument :
MSVOA_N
ClientSampled :

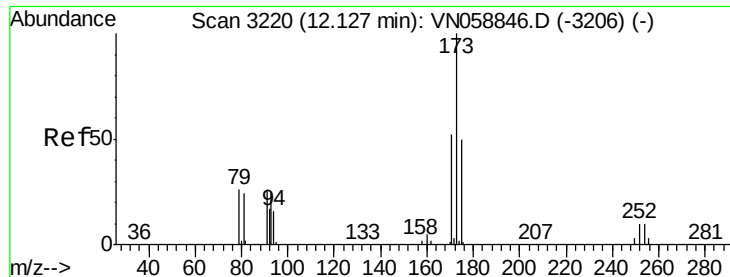
Tot Ion:106 Resp: 391665
Ion Ratio Lower Upper
106 100
91 222.7 111.5 334.4



#70
Styrene
Concen: 51.252 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion:104 Resp: 676258
Ion Ratio Lower Upper
104 100
78 51.6 42.8 64.2
103 54.4 44.3 66.5





#71

Bromoform

Concen: 56.458 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

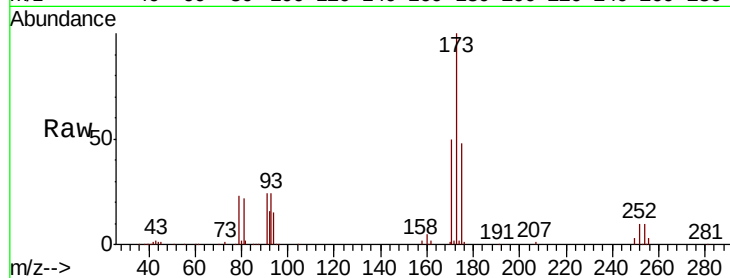
Tot Ion:173 Resp: 190175

Ion Ratio Lower Upper

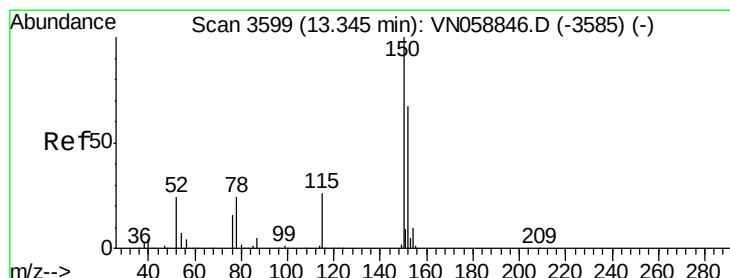
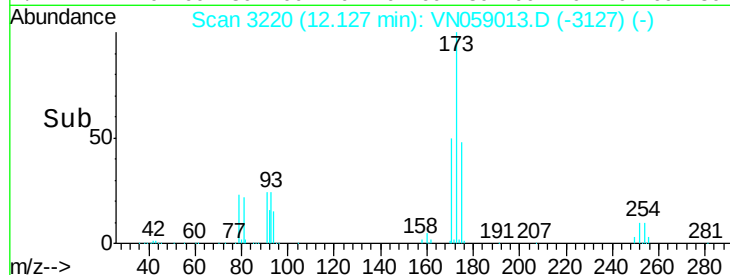
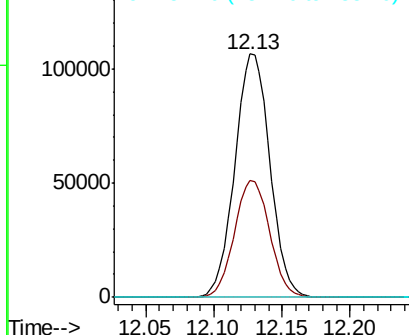
173 100

175 48.4 24.7 74.1

254 0.2 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: VN059013.D

Acq: 29 Oct 2019 16:07

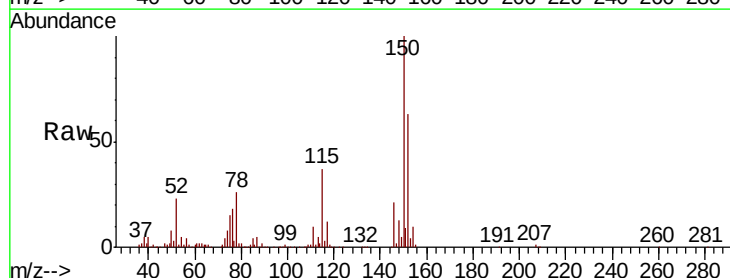
Tgt Ion:152 Resp: 288071

Ion Ratio Lower Upper

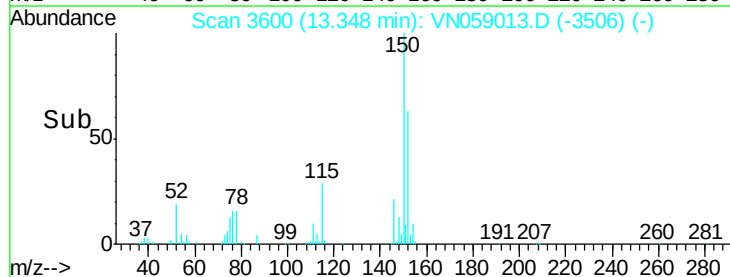
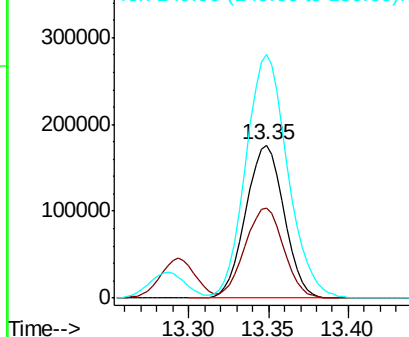
152 100

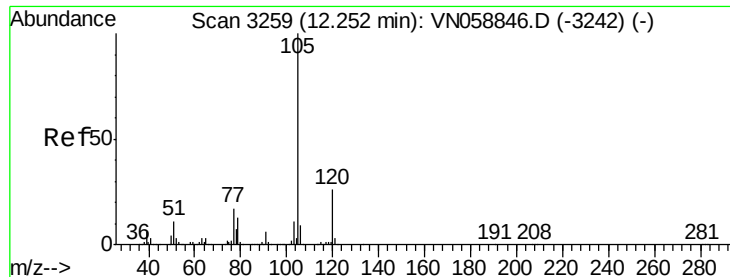
115 59.4 30.5 91.5

150 174.4 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

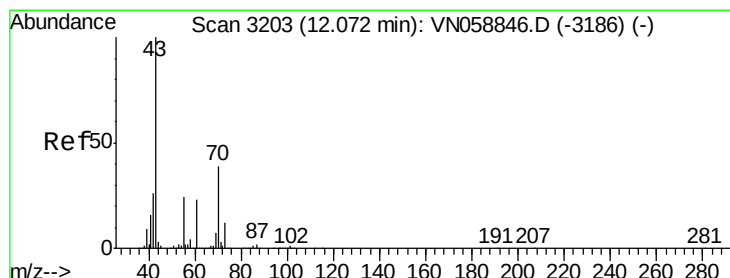
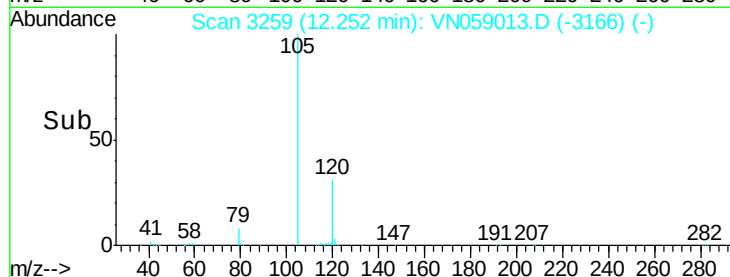
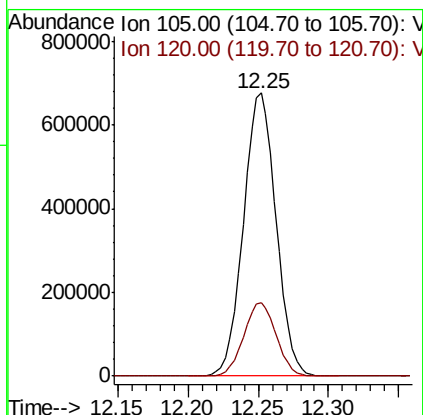
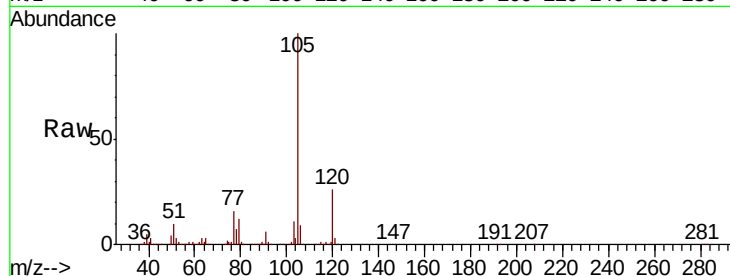




#73
Isopropylbenzene
Concen: 51.955 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

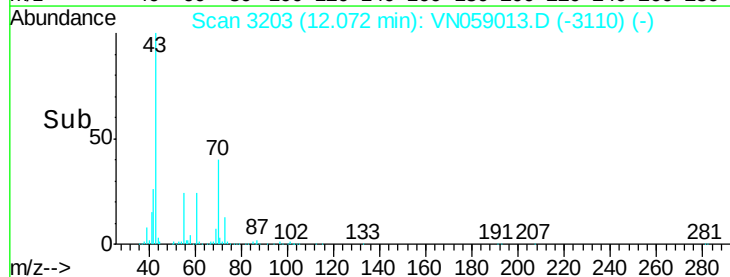
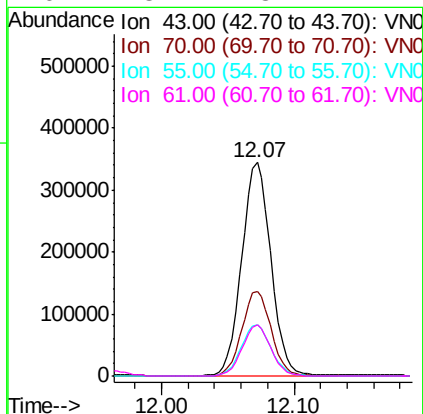
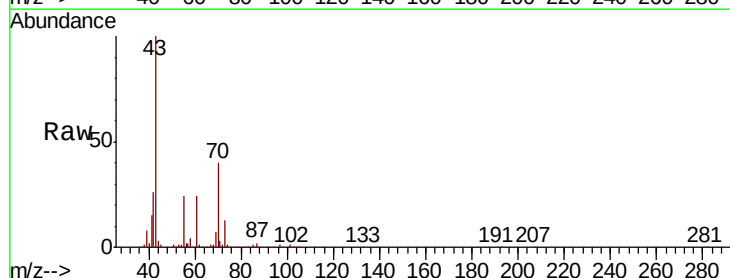
Instrument :
MSVOA_N
ClientSampled :

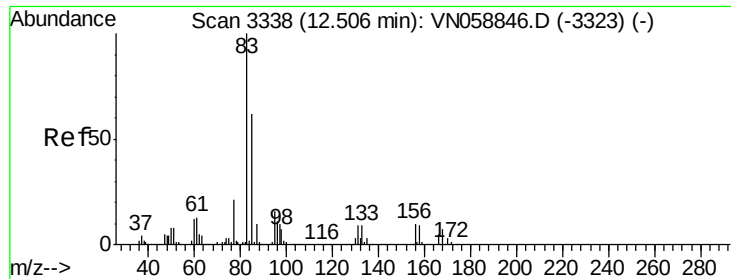
Tot Ion: 105 Resp: 1093781
Ion Ratio Lower Upper
105 100
120 25.9 12.8 38.4



#74
N-ethyl acetate
Concen: 54.917 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 43 Resp: 524145
Ion Ratio Lower Upper
43 100
70 40.2 30.9 46.3
55 24.7 19.7 29.5
61 23.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.312 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

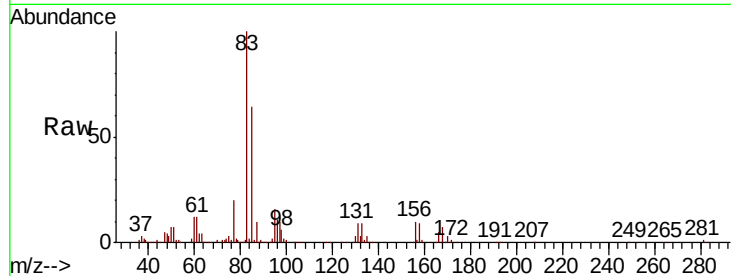
Tot Ion: 83 Resp: 379838

Ion Ratio Lower Upper

83 100

131 9.6 4.7 14.1

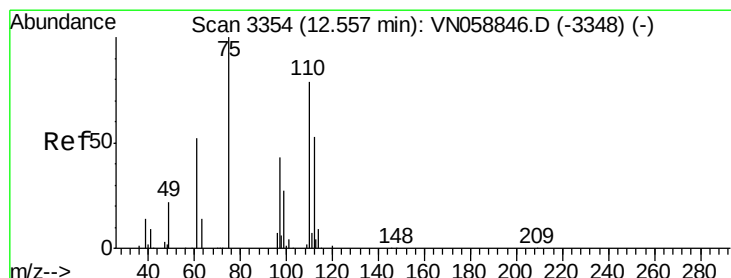
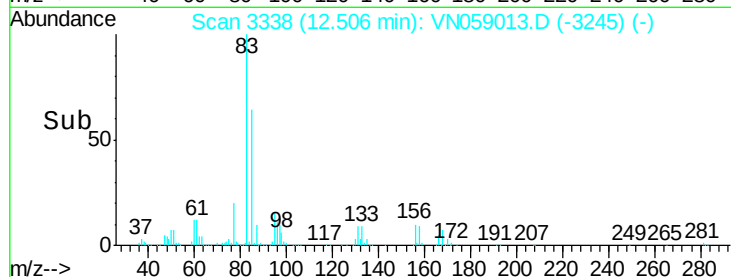
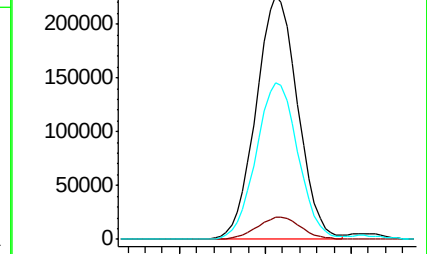
85 64.8 31.7 95.1



Abundance Ion 82.90 (82.60 to 83.60): VN059013.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN059013.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN059013.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 76.430 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059013.D

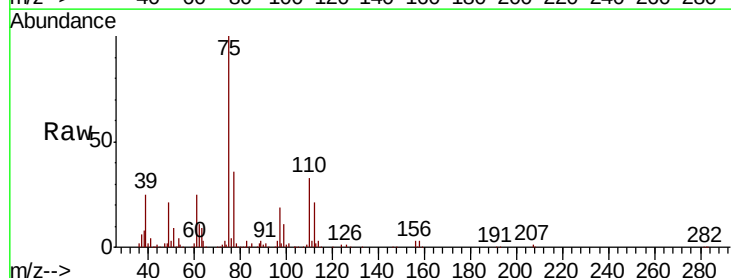
Acq: 29 Oct 2019 16:07

Tgt Ion: 75 Resp: 510276

Ion Ratio Lower Upper

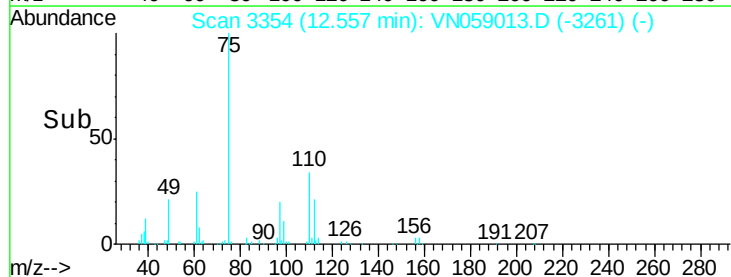
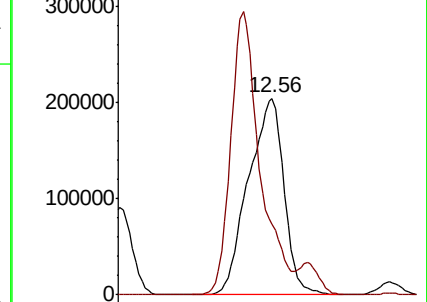
75 100

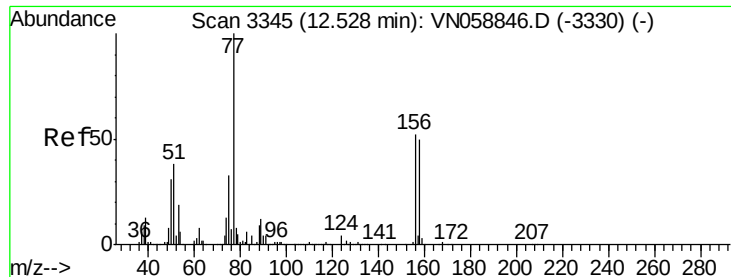
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059013.D (-3261) (-)

Ion 77.00 (76.70 to 77.70): VN059013.D (-3261) (-)





#77

Bromobenzene

Concen: 50.683 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

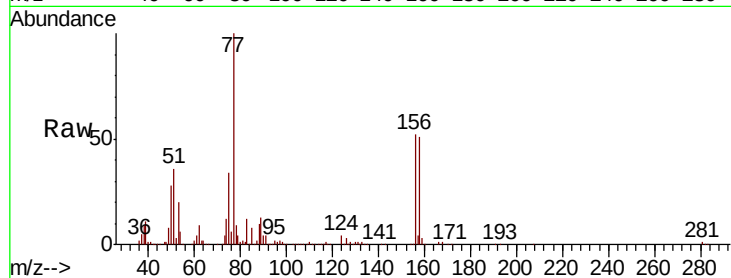
Tot Ion:156 Resp: 263001

Ion Ratio Lower Upper

156 100

77 233.3 118.0 354.0

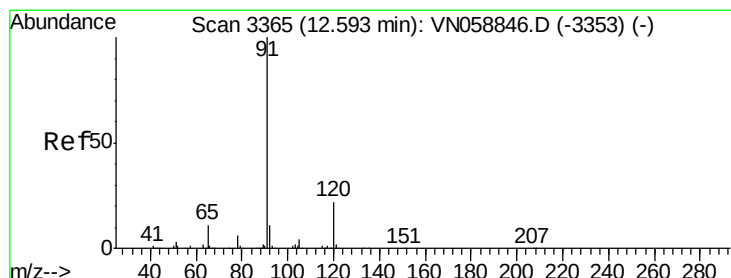
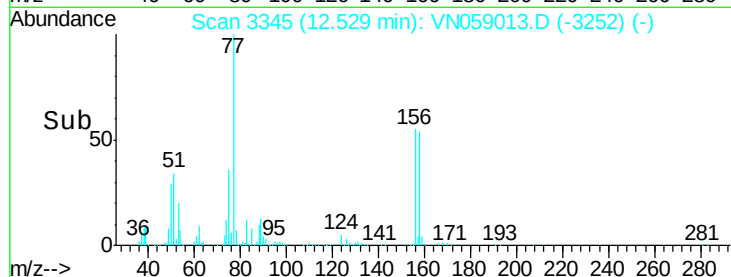
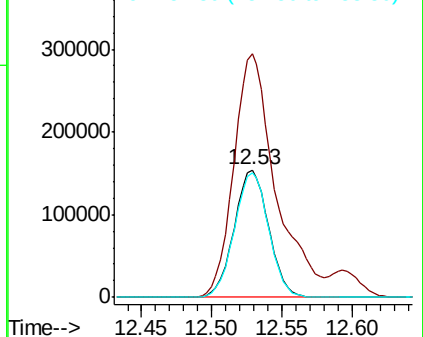
158 97.3 48.3 144.8



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: 52.863 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059013.D

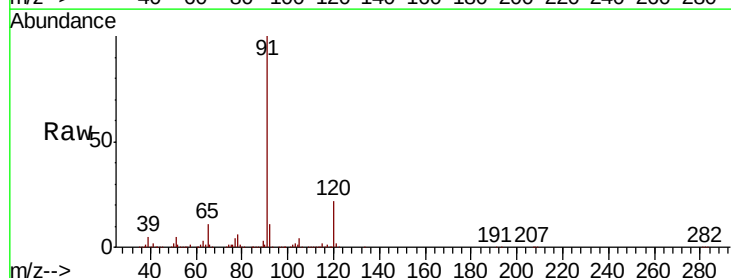
Acq: 29 Oct 2019 16:07

Tgt Ion: 91 Resp: 1315497

Ion Ratio Lower Upper

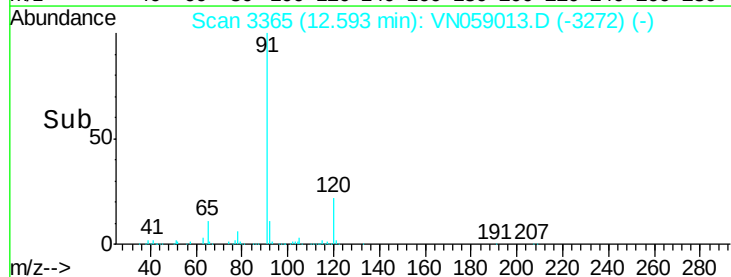
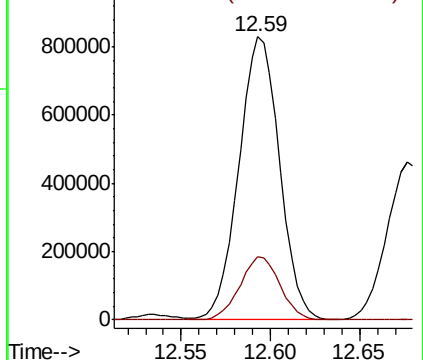
91 100

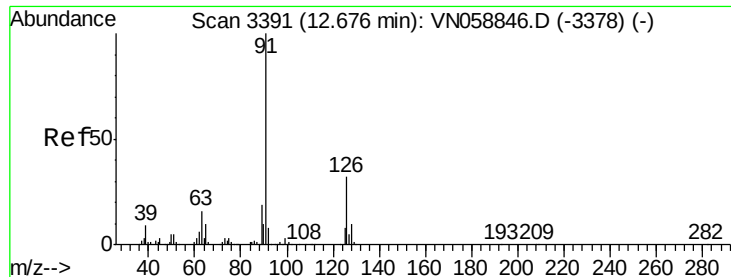
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.644 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

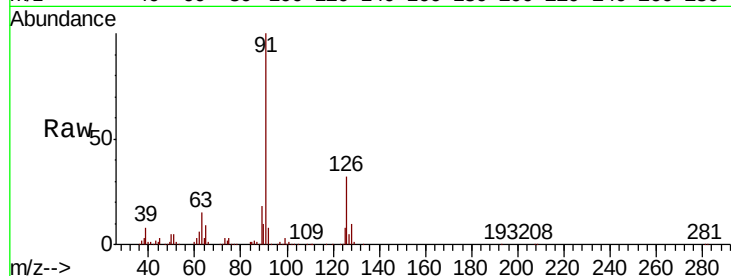
ClientSampleId :

Tot Ion: 91 Resp: 771340

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.6



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

Ion 125.90 (125.60 to 126.60): VN058846.D (-3378) (-)

600000

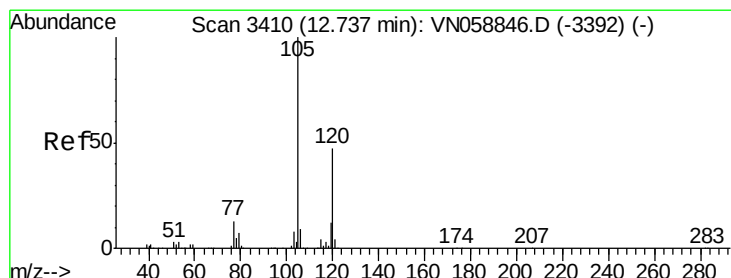
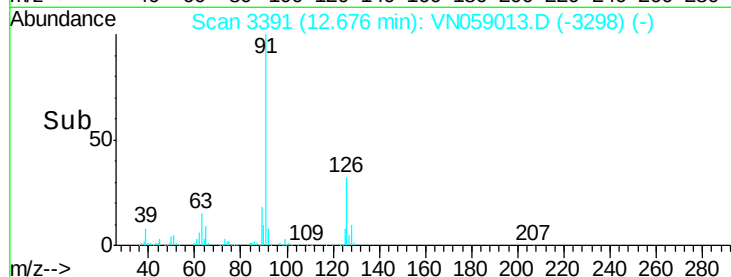
400000

200000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.012 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059013.D

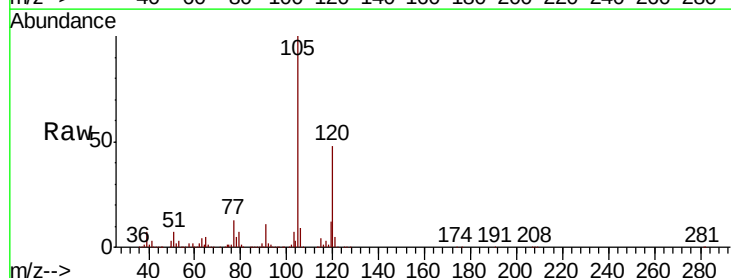
Acq: 29 Oct 2019 16:07

Tgt Ion: 105 Resp: 937682

Ion Ratio Lower Upper

105 100

120 47.7 23.8 71.5



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

Ion 120.00 (119.70 to 120.70): VN058846.D (-3392) (-)

600000

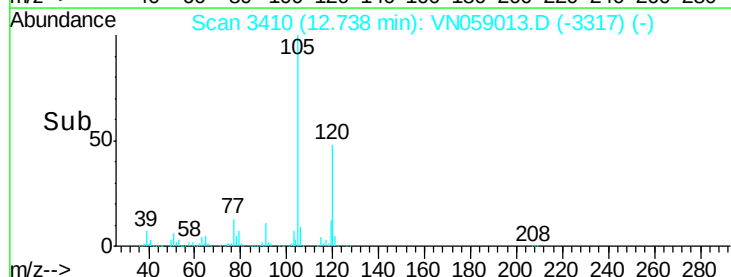
400000

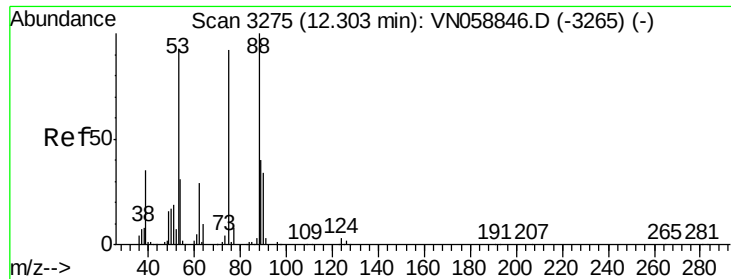
200000

0

12.65 12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 54.182 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

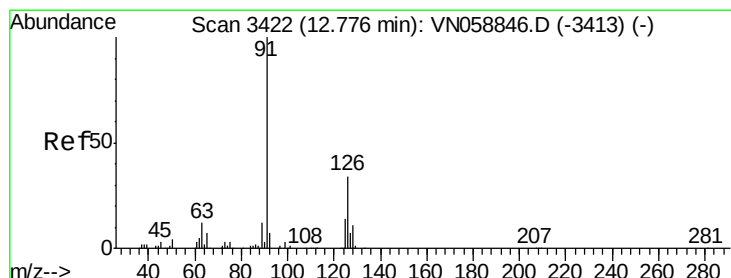
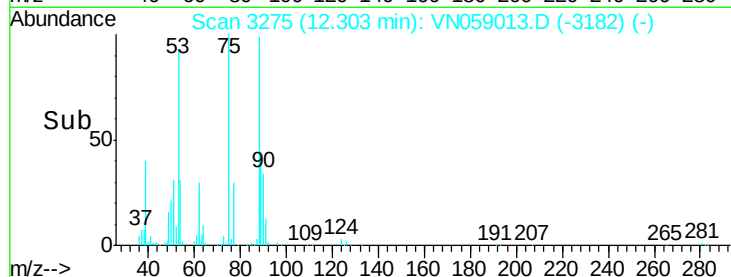
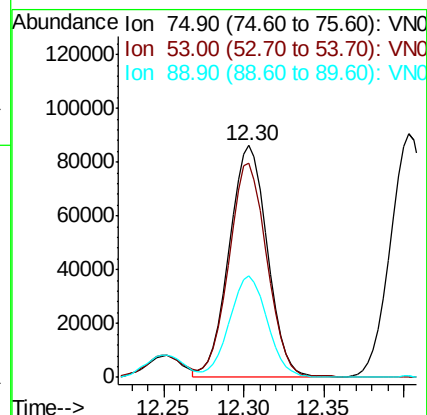
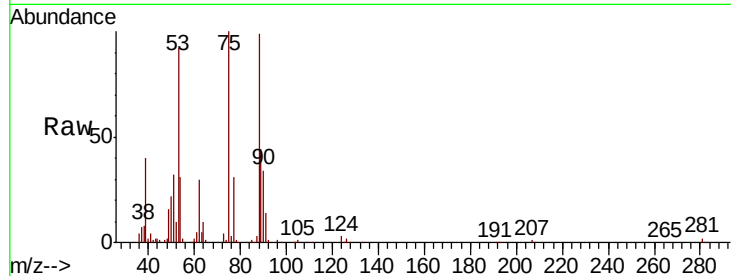
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 138859

Ion	Ratio	Lower	Upper
75	100		
53	92.5	78.6	118.0
89	44.0	35.4	53.0



#82

4-Chlorotoluene

Concen: 51.420 ug/l

RT: 12.78 min Scan# 3422

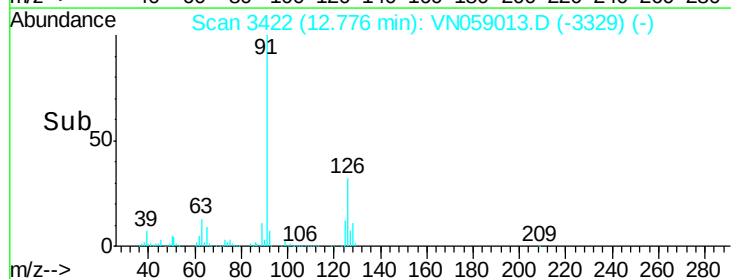
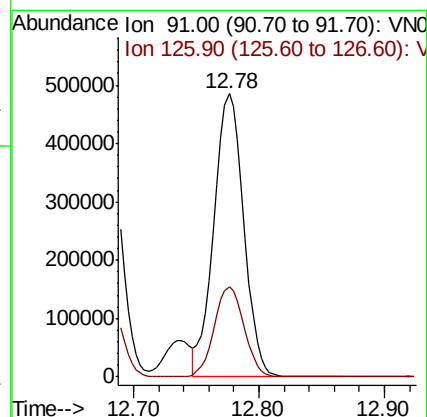
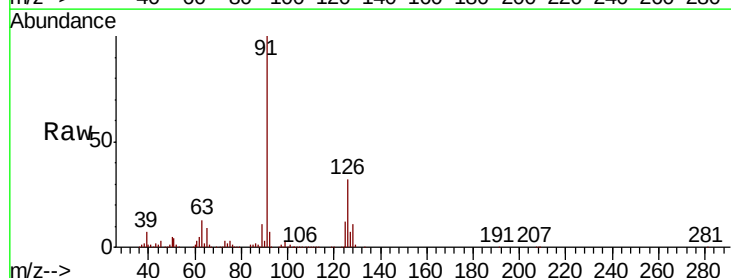
Delta R.T. 0.00 min

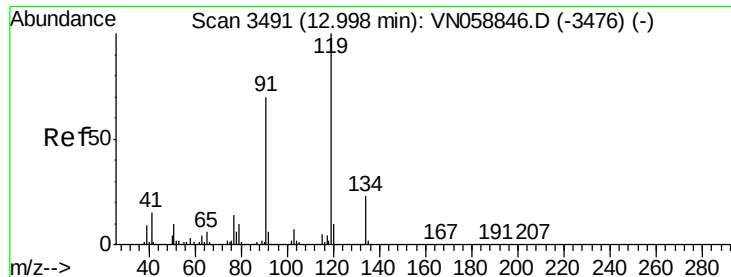
Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion: 91 Resp: 800330

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.0	47.9

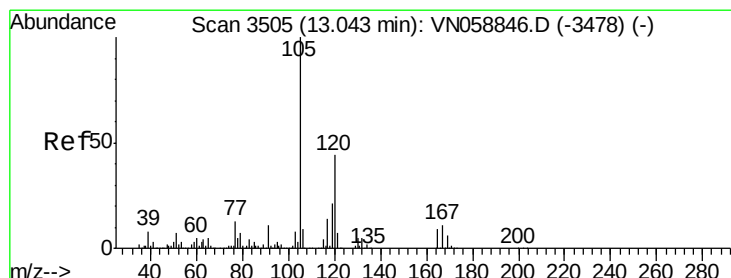
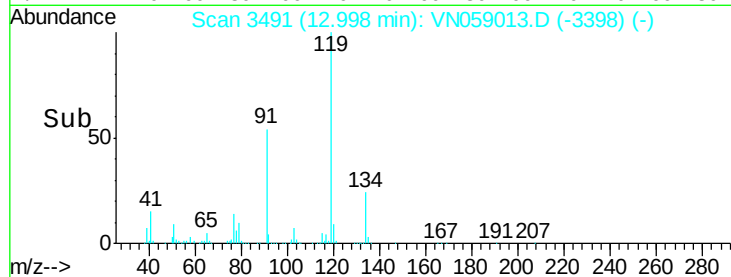
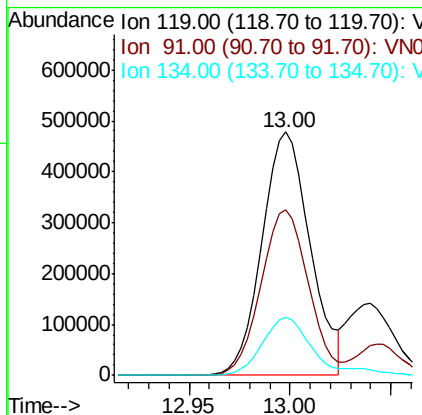
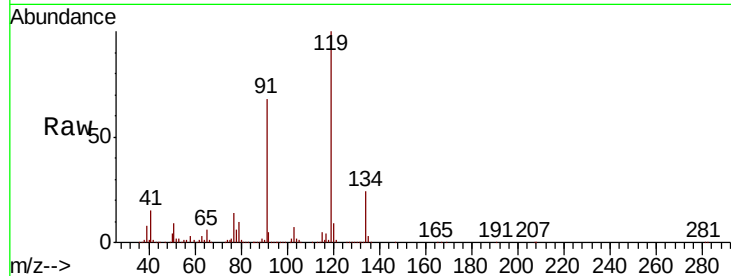




#83
 tert-Butylbenzene
 Concen: 52.639 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

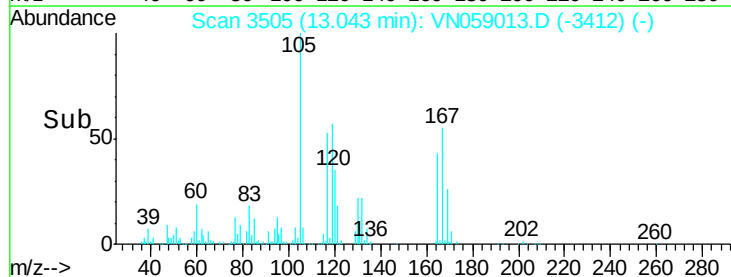
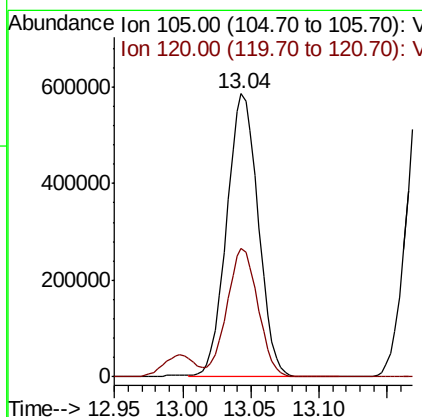
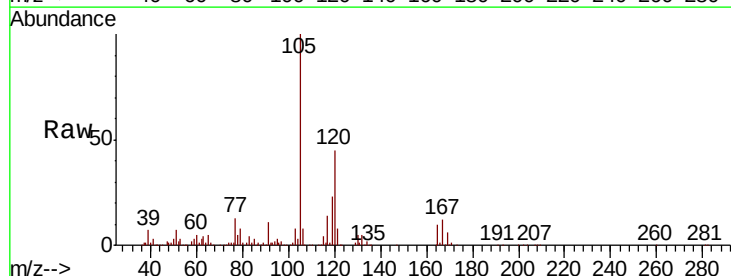
Instrument :
 MSVOA_N
 ClientSampleId :

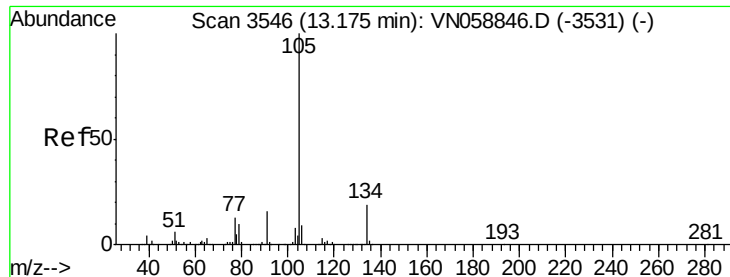
Tot Ion:119 Resp: 796192
 Ion Ratio Lower Upper
 119 100
 91 67.0 34.1 102.3
 134 23.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 53.888 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion:105 Resp: 940163
 Ion Ratio Lower Upper
 105 100
 120 44.9 21.9 65.8





#85

sec-Butylbenzene

Concen: 53.565 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

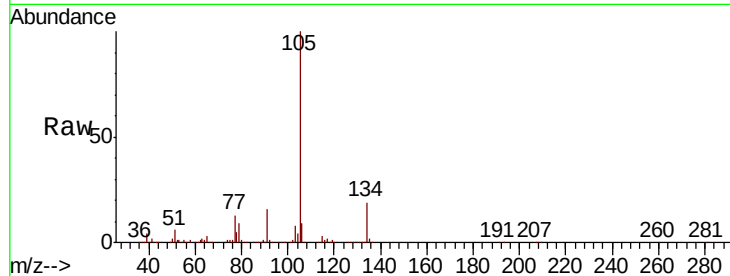
ClientSampleId :

Tot Ion:105 Resp: 1080196

Ion Ratio Lower Upper

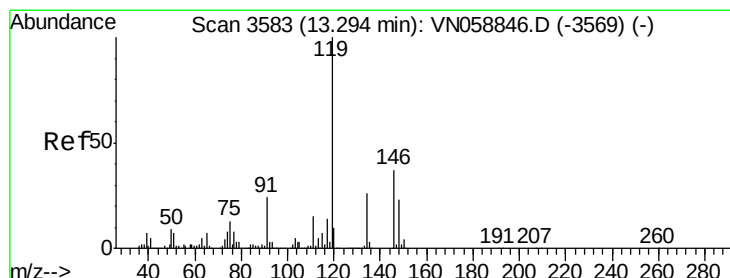
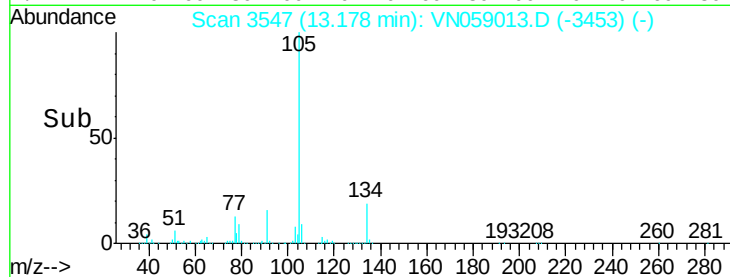
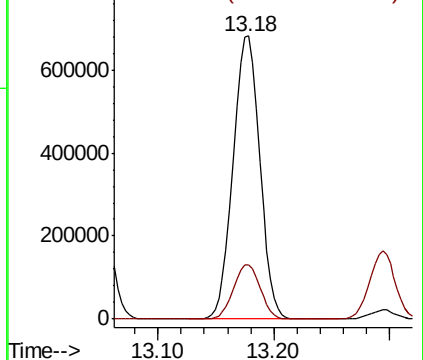
105 100

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: 54.936 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

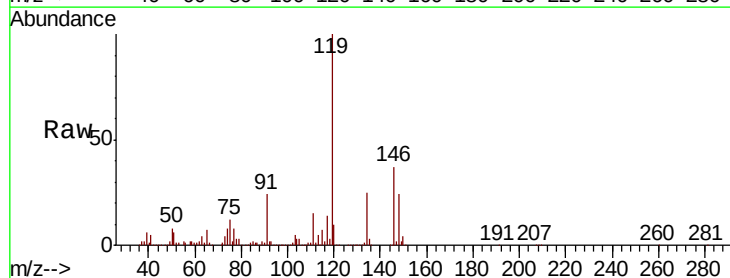
Tgt Ion:119 Resp: 977517

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.4

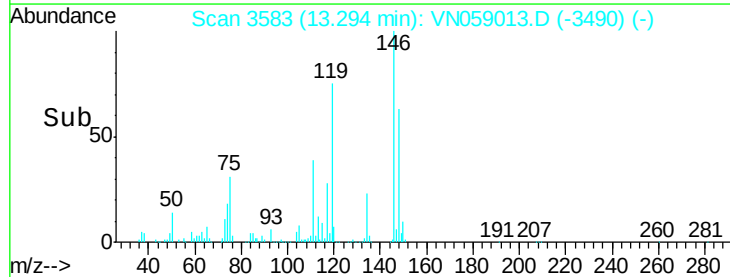
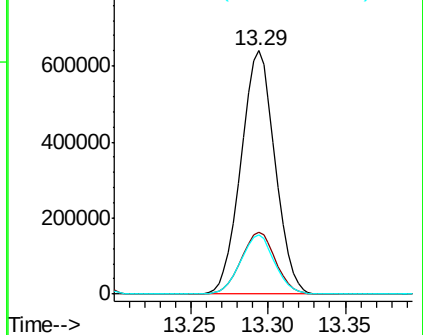
91 24.2 12.2 36.4

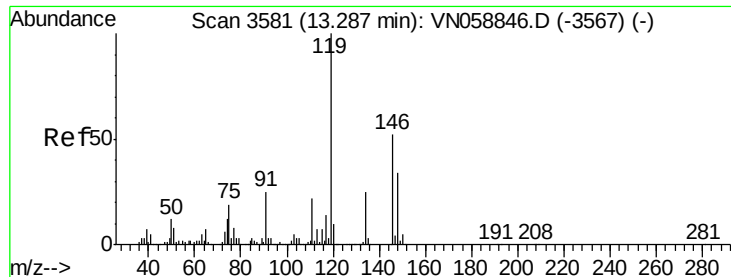


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

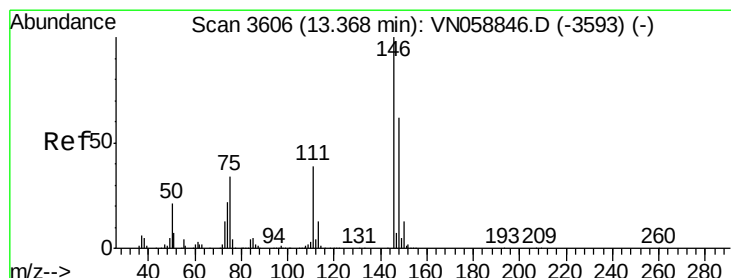
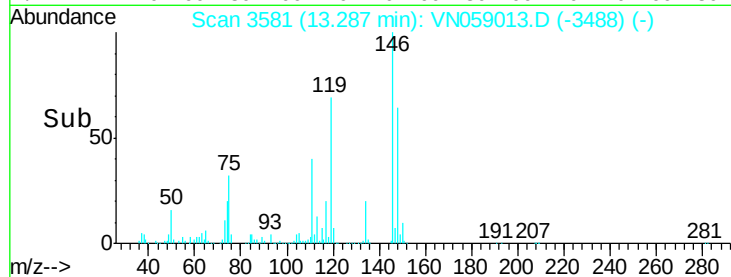
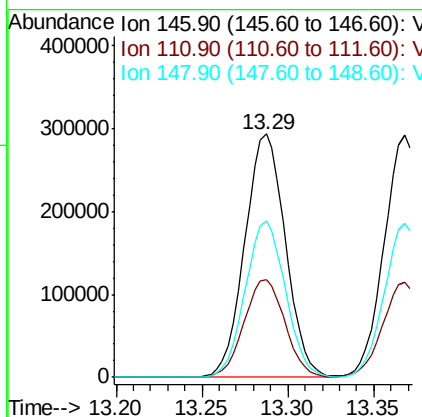
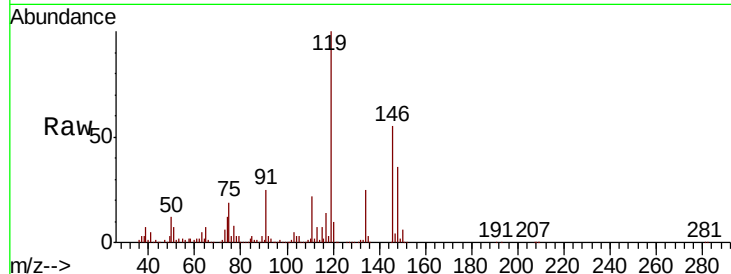




#87
 1,3-Dichlorobenzene
 Concen: 51.861 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

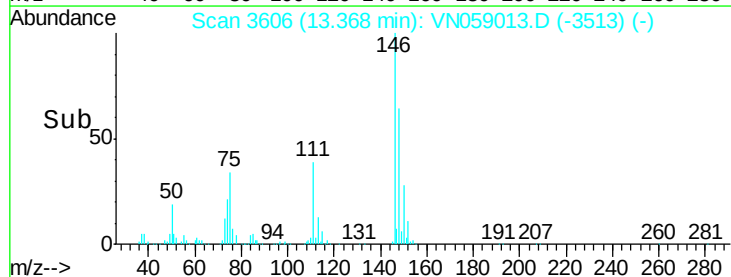
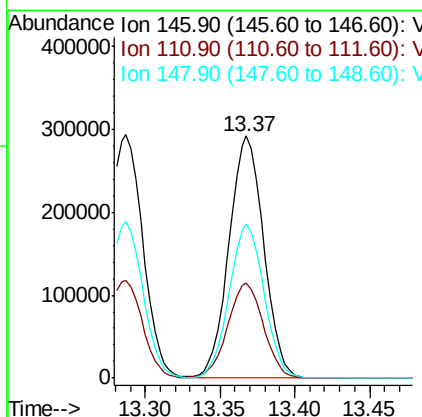
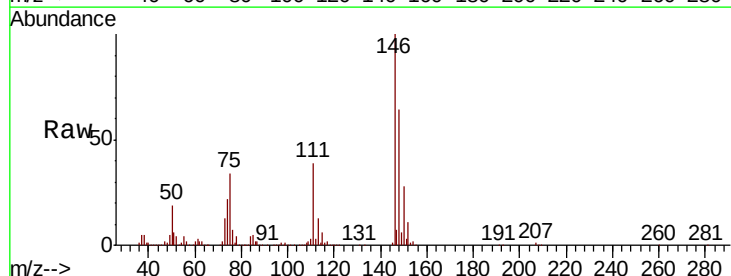
Instrument :
 MSVOA_N
 ClientSampled :

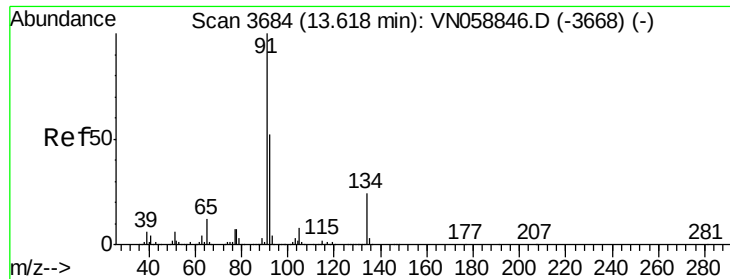
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	21.0	63.0
148	63.8	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 50.688 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.2	60.6
148	63.7	31.6	94.7

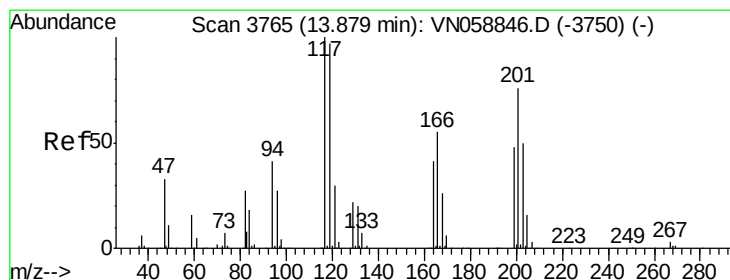
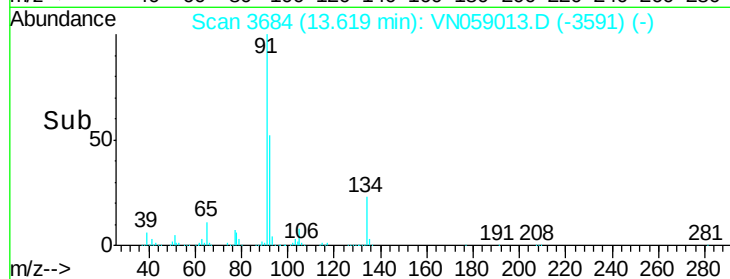
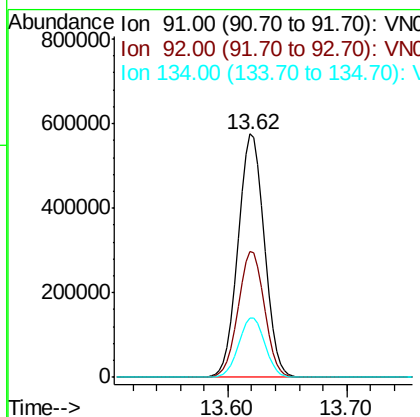
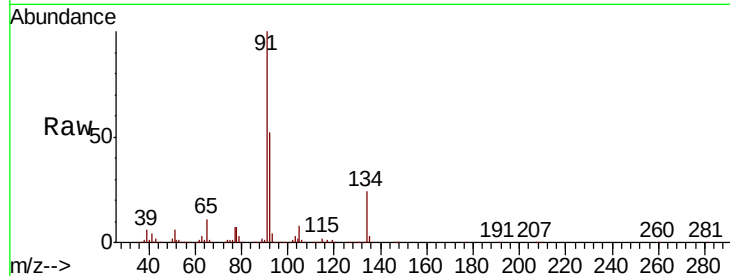




#89
n-Butylbenzene
Concen: 54.005 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

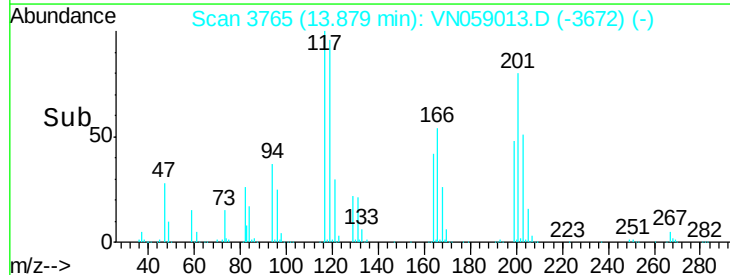
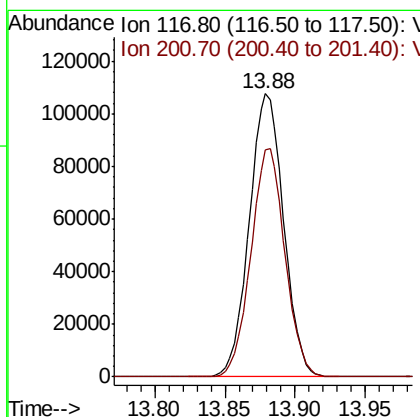
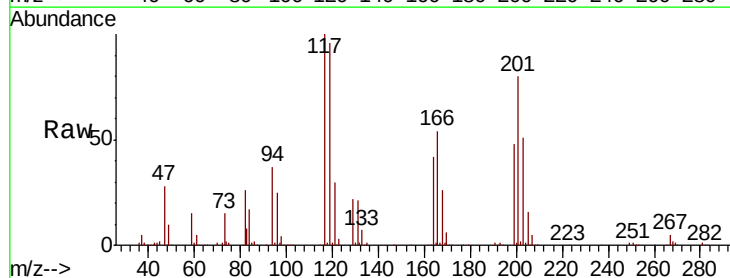
Instrument :
MSVOA_N
ClientSampleId :

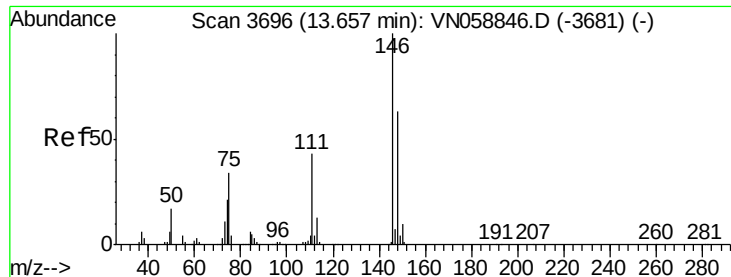
Tot Ion: 91 Resp: 882745
Ion Ratio Lower Upper
91 100
92 51.8 25.7 77.1
134 24.6 11.9 35.5



#90
Hexachloroethane
Concen: 50.916 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059013.D
Acq: 29 Oct 2019 16:07

Tgt Ion: 117 Resp: 183582
Ion Ratio Lower Upper
117 100
201 79.7 38.9 116.6





#91

1,2-Dichlorobenzene

Concen: 51.976 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

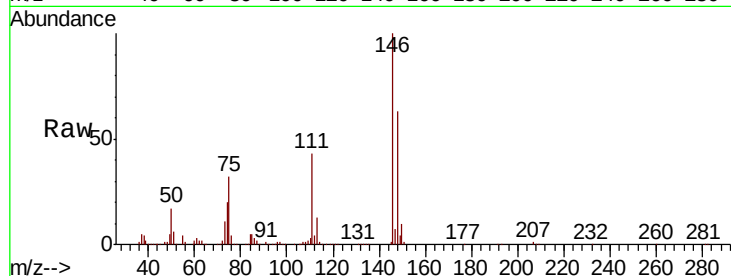
Tot Ion:146 Resp: 473998

Ion Ratio Lower Upper

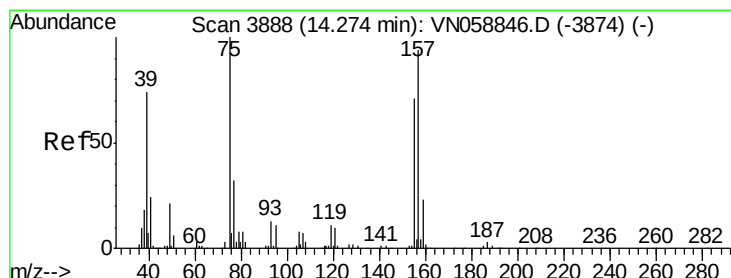
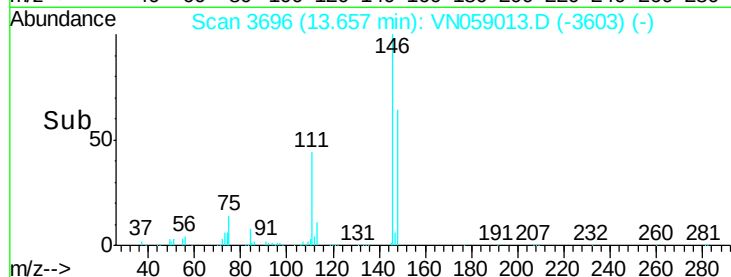
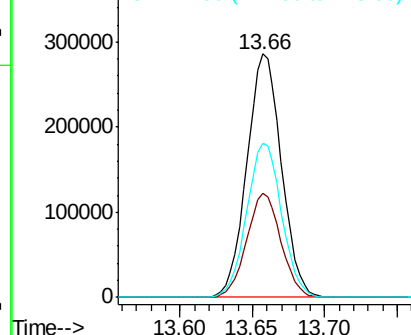
146 100

111 42.3 21.6 64.8

148 64.1 31.9 95.9



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.070 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

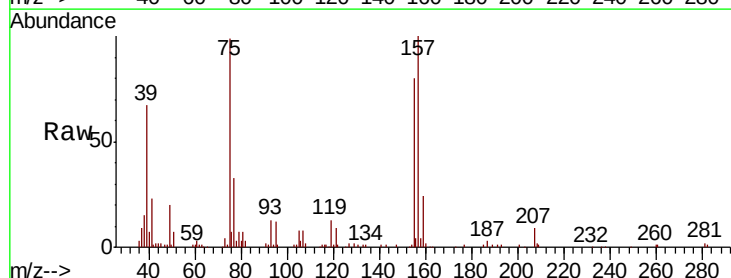
Tgt Ion: 75 Resp: 82158

Ion Ratio Lower Upper

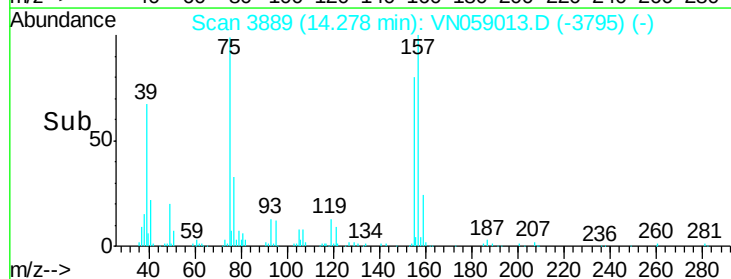
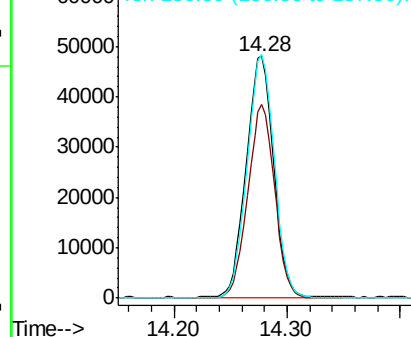
75 100

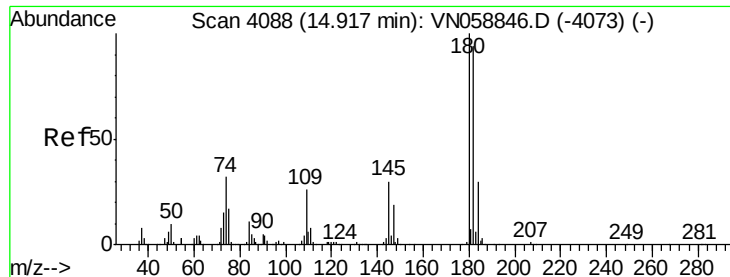
155 77.4 35.6 106.8

157 98.8 47.4 142.2



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

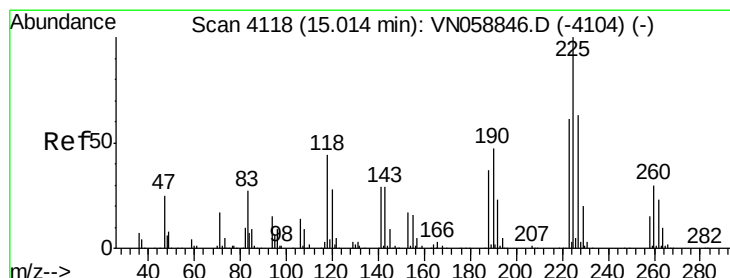
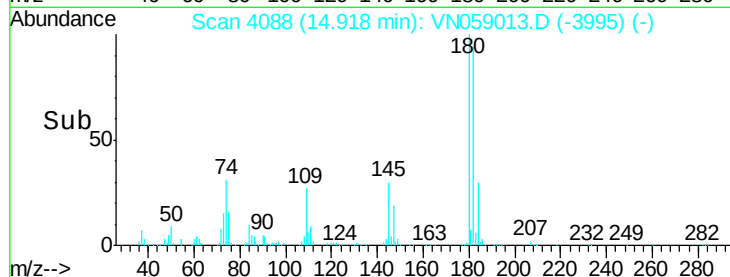
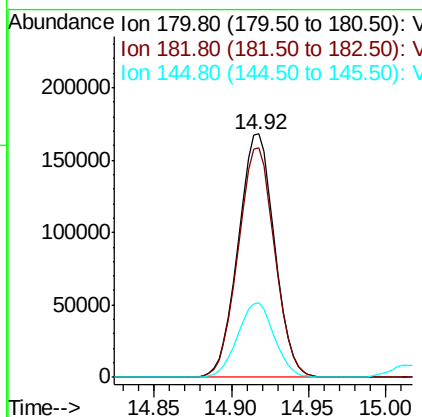
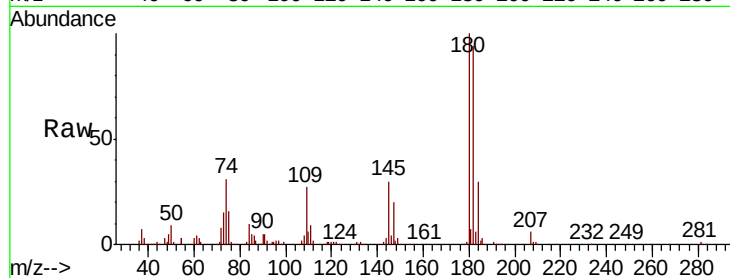




#93
 1,2,4-Trichlorobenzene
 Concen: 47.893 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

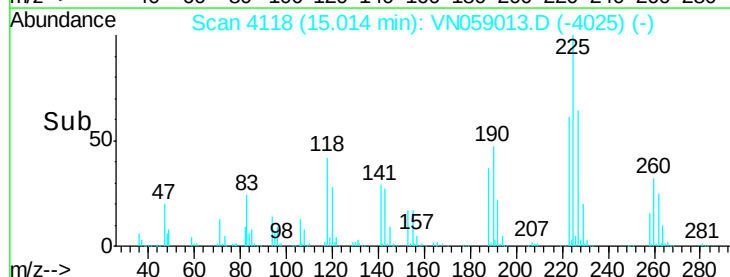
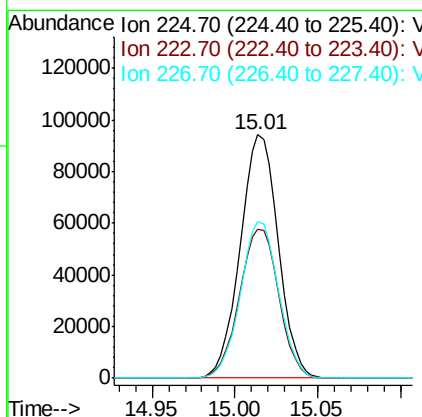
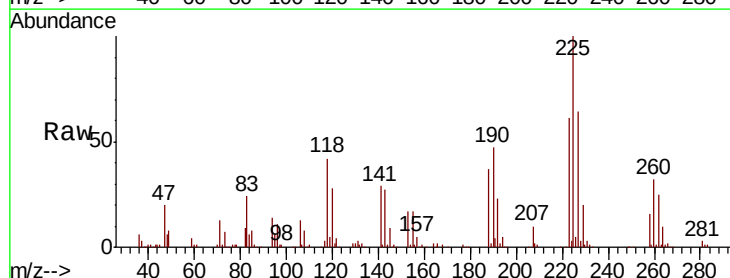
Instrument :
 MSVOA_N
 ClientSampled :

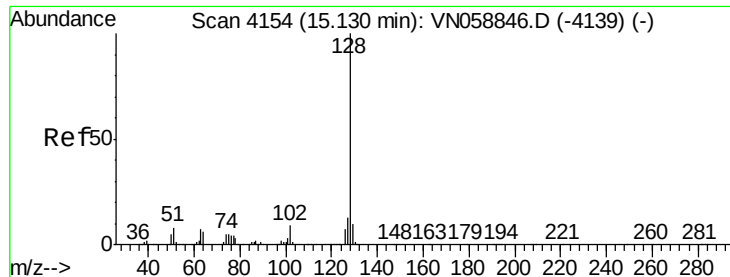
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.3	142.0
145	31.1	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 50.848 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059013.D
 Acq: 29 Oct 2019 16:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.5
227	64.4	31.6	94.7





#95

Naphthalene

Concen: 48.552 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

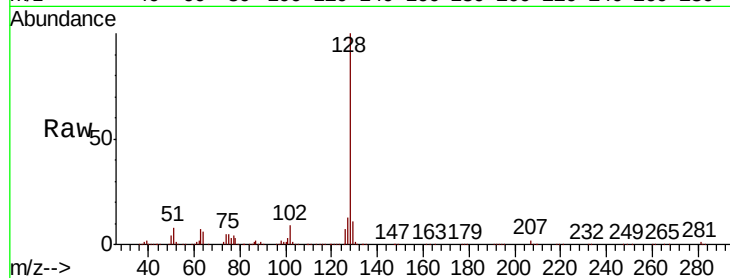
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:128 Resp: 800021

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

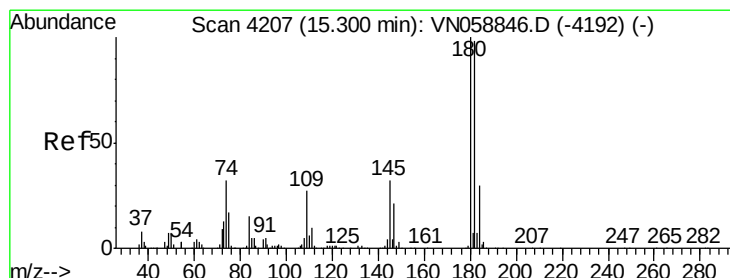
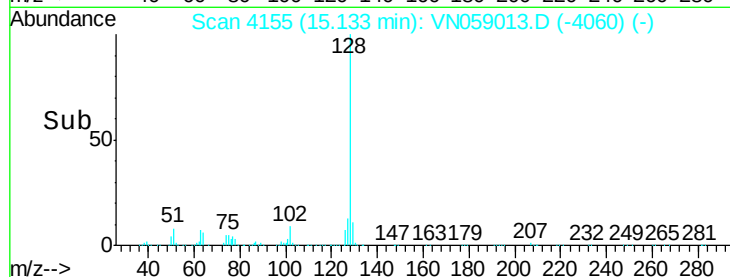
15.13

400000

200000

0

Time-->



#96

1,2,3-Trichlorobenzene

Concen: 49.137 ug/l

RT: 15.30 min Scan# 4207

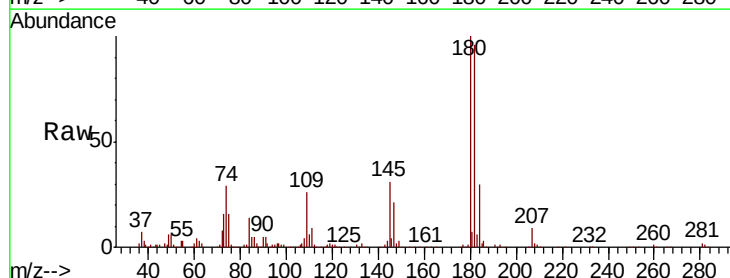
Delta R.T. 0.00 min

Lab File: VN059013.D

Acq: 29 Oct 2019 16:07

Tgt Ion:180 Resp: 274384

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	32.0	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

15.30

200000

150000

100000

50000

0

Time-->

