

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059473.D
 Acq On : 3 Dec 2019 16:13
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 16:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	315671	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	503490	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	438976	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	171994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	5148	1.37	ug/l	0.00
Spiked Amount			Recovery	=	2.74%	
35) Dibromofluoromethane	7.57	113	4036	1.31	ug/l	0.00
Spiked Amount			Recovery	=	2.62%	
50) Toluene-d8	10.08	98	15413	1.25	ug/l	0.00
Spiked Amount			Recovery	=	2.50%	
62) 4-Bromofluorobenzene	12.40	95	5571	1.30	ug/l	0.00
Spiked Amount			Recovery	=	2.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	3767	1.038	ug/l	95
3) Chloromethane	2.04	50	5625	1.239	ug/l	98
4) Vinyl Chloride	2.17	62	3218	0.794	ug/l	92
5) Bromomethane	2.55	94	2486	1.025	ug/l	98
6) Chloroethane	2.68	64	1977	0.861	ug/l #	84
7) Trichlorofluoromethane	2.99	101	3345	0.685	ug/l	86
8) Diethyl Ether	3.39	74	2368	1.114	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	3535	1.102	ug/l #	89
10) Methyl Iodide	3.93	142	3294	0.785	ug/l #	96
11) Tert butyl alcohol	4.76	59	3853	5.872	ug/l #	73
12) 1,1-Dichloroethene	3.71	96	3326	1.058	ug/l #	90
13) Acrolein	3.59	56	4072	6.540	ug/l #	46
14) Allyl chloride	4.29	41	7093	1.206	ug/l #	86
15) Acrylonitrile	4.96	53	9615	5.256	ug/l	98
16) Acetone	3.80	43	23848	13.174	ug/l	99
17) Carbon Disulfide	4.02	76	14313	1.325	ug/l	100
18) Methyl Acetate	4.31	43	5748	1.170	ug/l #	68
19) Methyl tert-butyl Ether	5.02	73	10855	1.060	ug/l	96
20) Methylene Chloride	4.53	84	5549	1.531	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	3953	1.151	ug/l	96
22) Diisopropyl ether	5.92	45	11112	1.013	ug/l #	66
23) Vinyl Acetate	5.88	43	43896	4.933	ug/l	98
24) 1,1-Dichloroethane	5.81	63	6688	1.062	ug/l #	93
25) 2-Butanone	6.82	43	16361	6.555	ug/l	97
26) 2,2-Dichloropropane	6.80	77	6144	1.145	ug/l	91
27) cis-1,2-Dichloroethene	6.80	96	4264	1.132	ug/l	93
28) Bromochloromethane	7.17	49	1121	0.522	ug/l #	91
29) Tetrahydrofuran	7.19	42	9716	5.853	ug/l #	75
30) Chloroform	7.35	83	6783	1.071	ug/l	97
31) Cyclohexane	7.64	56	12282	1.946	ug/l #	20
32) 1,1,1-Trichloroethane	7.54	97	6161	1.189	ug/l #	48
36) 1,1-Dichloropropene	7.78	75	5275	1.077	ug/l	97
37) Ethyl Acetate	6.91	43	6392	1.211	ug/l #	83
38) Carbon Tetrachloride	7.75	117	4971	1.070	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
 Data File : VN059473.D
 Acq On : 3 Dec 2019 16:13
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 03 16:32:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 03 14:48:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	5979	1.020	ug/l	95
40) Benzene	8.02	78	14713	1.011	ug/l	100
41) Methacrylonitrile	7.19	41	8072	3.294	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	5092	1.095	ug/l	90
43) Isopropyl Acetate	8.15	43	7611	0.953	ug/l #	89
44) Trichloroethene	8.82	130	4309	1.163	ug/l	98
45) 1,2-Dichloropropane	9.10	63	3833	1.006	ug/l	93
46) Dibromomethane	9.19	93	2442	1.037	ug/l	97
47) Bromodichloromethane	9.39	83	4795	1.007	ug/l #	91
48) Methyl methacrylate	9.19	41	3667	1.033	ug/l	91
49) 1,4-Dioxane	9.19	88	1278	25.373	ug/l	90
51) 4-Methyl-2-Pentanone	9.98	43	24246	5.197	ug/l	98
52) Toluene	10.15	92	8813	1.012	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	5961	1.088	ug/l #	73
54) cis-1,3-Dichloropropene	9.83	75	5797	0.984	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	3462	1.012	ug/l	95
56) Ethyl methacrylate	10.42	69	3927	0.786	ug/l #	83
57) 1,3-Dichloropropane	10.70	76	6036	1.024	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	5808	4.031	ug/l	96
59) 2-Hexanone	10.75	43	17638	5.086	ug/l	93
60) Dibromochloromethane	10.90	129	3559	1.000	ug/l	94
61) 1,2-Dibromoethane	11.00	107	3612	1.030	ug/l	96
64) Tetrachloroethene	10.63	164	4122	1.253	ug/l	94
65) Chlorobenzene	11.43	112	10199	1.135	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.50	131	3137	0.962	ug/l #	50
67) Ethyl Benzene	11.51	91	16165	1.022	ug/l	94
68) m/p-Xylenes	11.62	106	11730	1.981	ug/l	94
69) o-Xylene	11.95	106	5593	0.989	ug/l	99
70) Styrene	11.97	104	8542	0.963	ug/l	97
71) Bromoform	12.13	173	2388	0.957	ug/l #	97
73) Isopropylbenzene	12.25	105	14557	1.128	ug/l	98
74) N-amyl acetate	12.08	43	5332	1.082	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	4564	1.078	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	6892	1.724	ug/l #	100
77) Bromobenzene	12.53	156	3944	1.249	ug/l	87
78) n-propylbenzene	12.59	91	16936	1.136	ug/l	96
79) 2-Chlorotoluene	12.68	91	10461	1.175	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	11751	1.084	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	1602	1.035	ug/l	97
82) 4-Chlorotoluene	12.78	91	11226	1.224	ug/l	100
83) tert-Butylbenzene	12.99	119	10916	1.169	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	11235	1.057	ug/l	100
85) sec-Butylbenzene	13.17	105	13483	1.089	ug/l	98
86) p-Isopropyltoluene	13.29	119	12235	1.094	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	7017	1.255	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	7017	1.248	ug/l	97
89) n-Butylbenzene	13.62	91	11694	1.194	ug/l	95
90) Hexachloroethane	13.88	117	2521	1.176	ug/l	90
91) 1,2-Dichlorobenzene	13.66	146	6564	1.198	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1539	1.600	ug/l	63

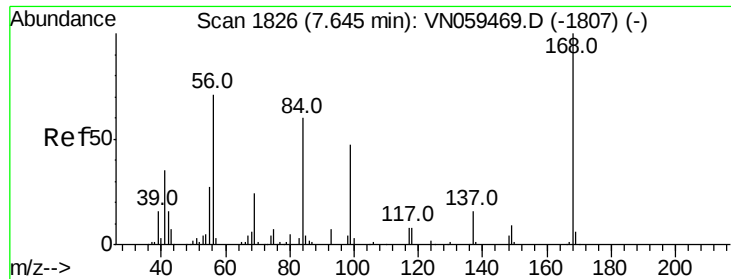
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120319\
Data File : VN059473.D
Acq On : 3 Dec 2019 16:13
Operator : JC/SP
Sample : VSTDICC001
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Dec 03 16:32:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 03 14:48:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	4354	1.291	ug/l	96
94) Hexachlorobutadiene	15.01	225	3072	1.471	ug/l	92
95) Naphthalene	15.13	128	16784	1.746	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	5792	1.613	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

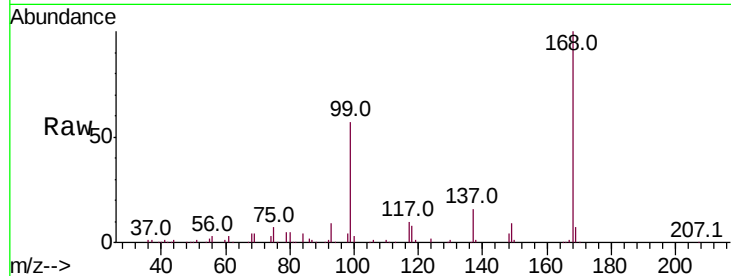
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 315671

Ion Ratio Lower Upper

168 100

99 56.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

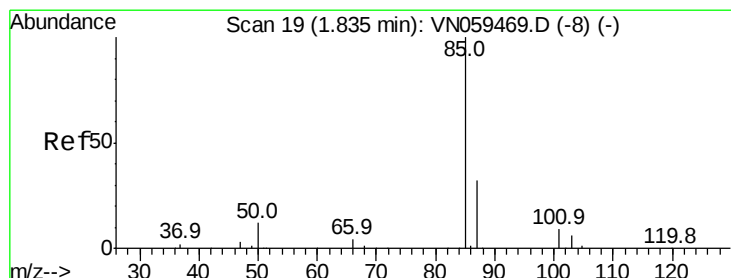
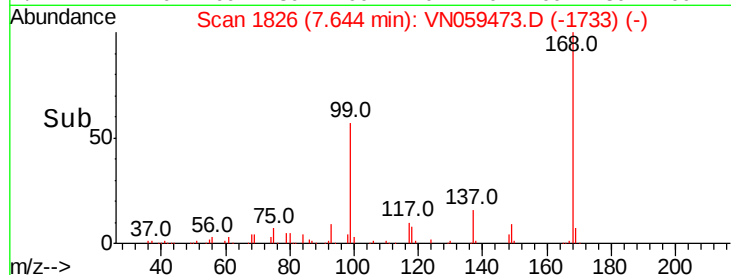
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 1.038 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059473.D

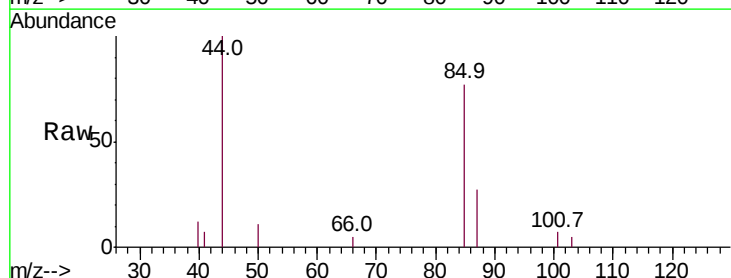
Acq: 3 Dec 2019 16:13

Tgt Ion: 85 Resp: 3767

Ion Ratio Lower Upper

85 100

87 34.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

2500

2000

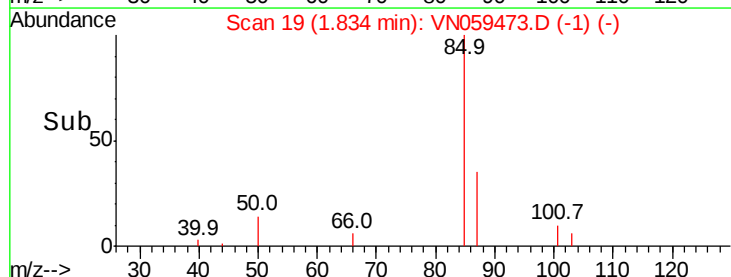
1500

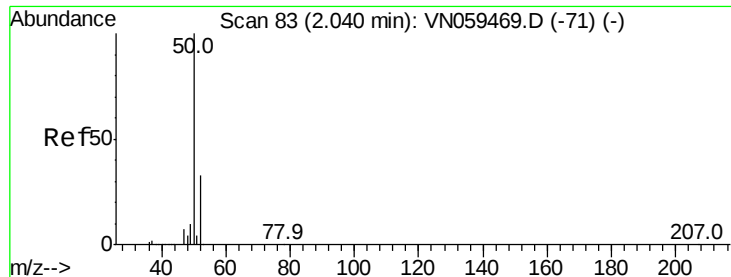
1000

500

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 1.239 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

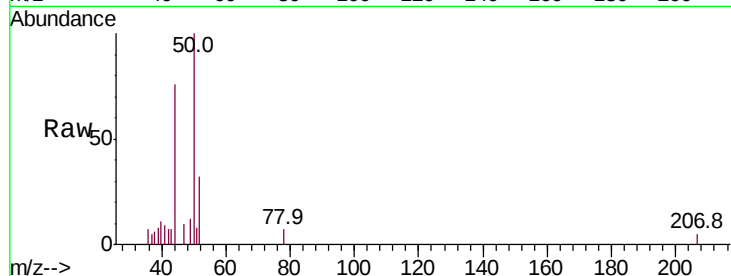
ClientSampleId :

Tot Ion: 50 Resp: 5625

Ion Ratio Lower Upper

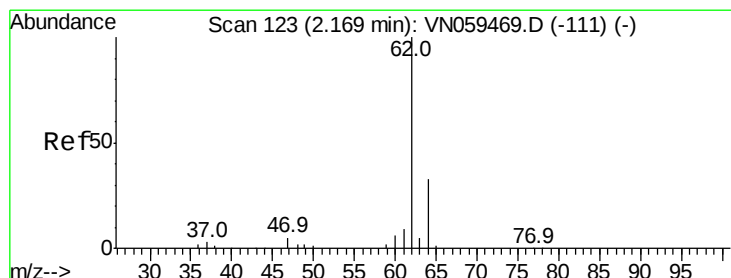
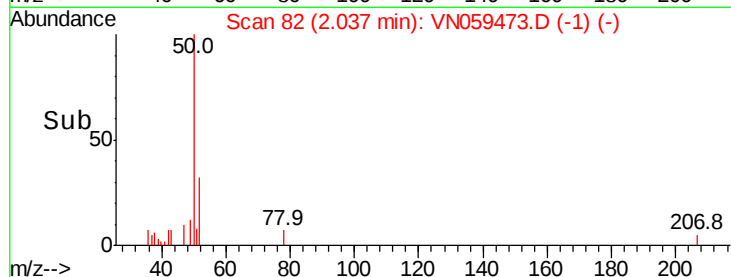
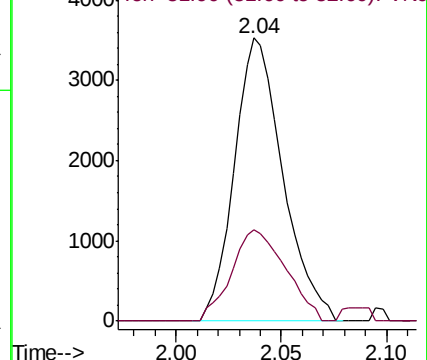
50 100

52 32.2 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 0.794 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN059473.D

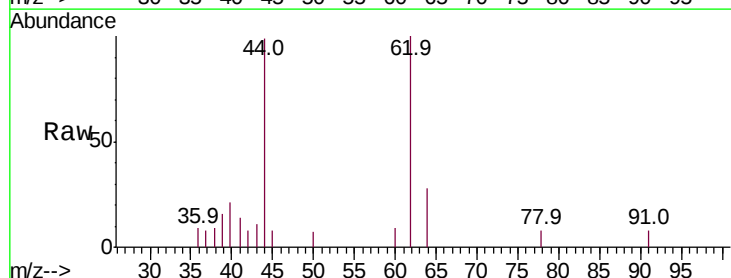
Acq: 3 Dec 2019 16:13

Tgt Ion: 62 Resp: 3218

Ion Ratio Lower Upper

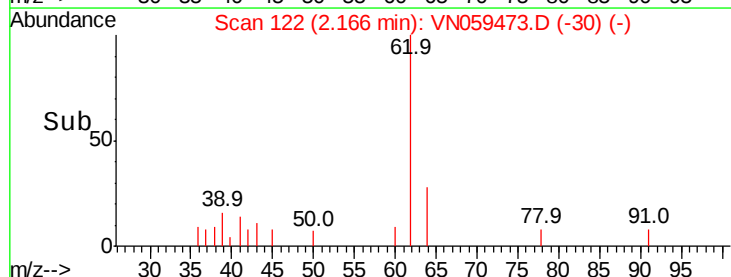
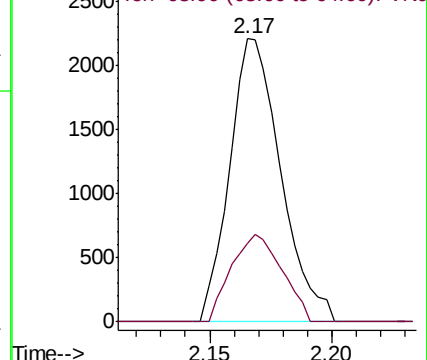
62 100

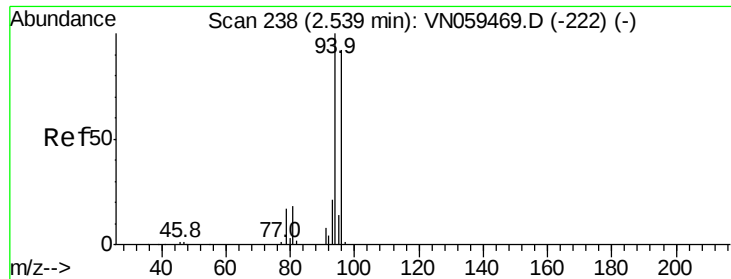
64 27.9 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 1.025 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

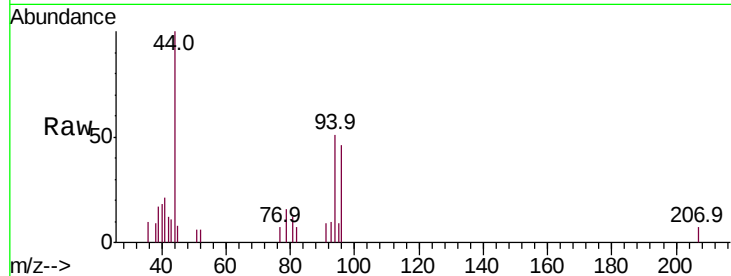
ClientSampled :

Tot Ion: 94 Resp: 2486

Ion Ratio Lower Upper

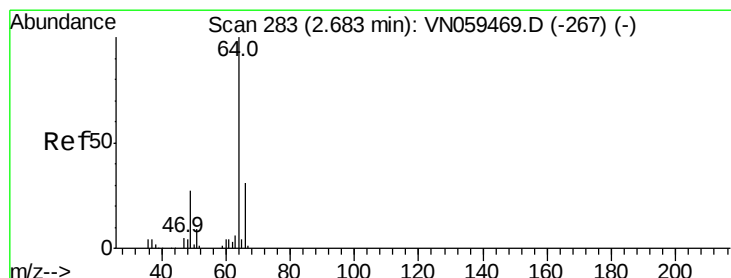
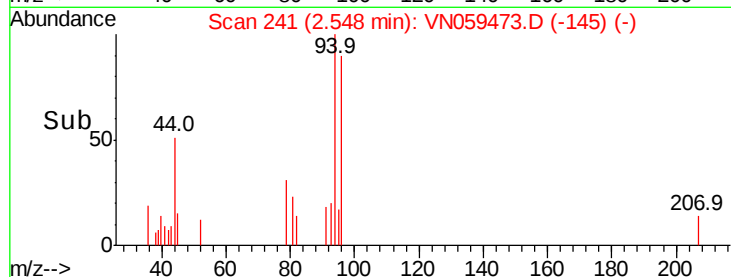
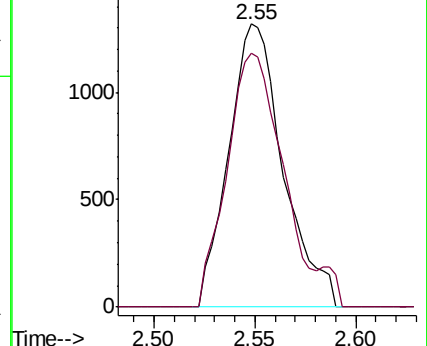
94 100

96 89.6 73.5 110.3



Abundance Ion 93.90 (93.60 to 94.60): VN059469.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN059473.D (-145) (-)



#6

Chloroethane

Concen: 0.861 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN059473.D

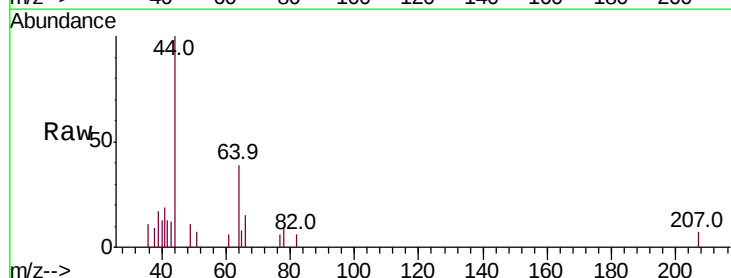
Acq: 3 Dec 2019 16:13

Tgt Ion: 64 Resp: 1977

Ion Ratio Lower Upper

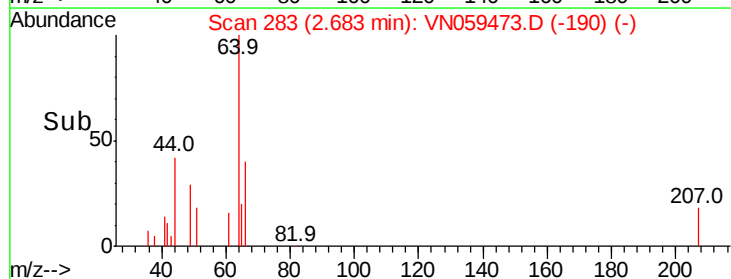
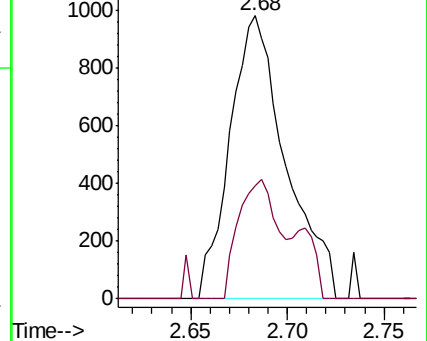
64 100

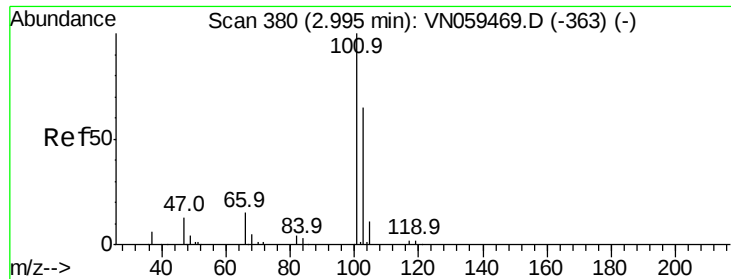
66 40.1 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VN059469.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN059473.D (-190) (-)



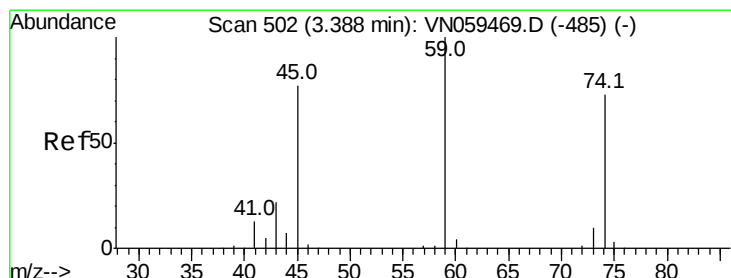
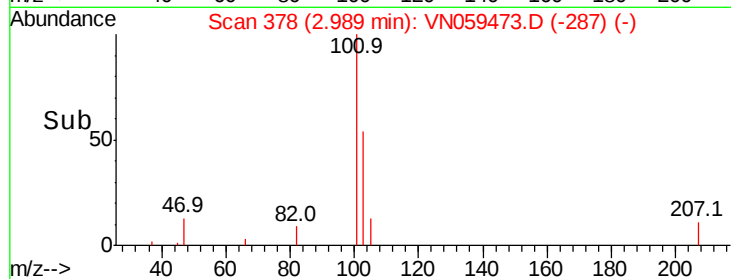
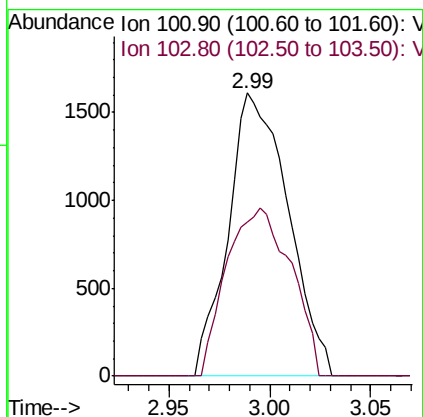
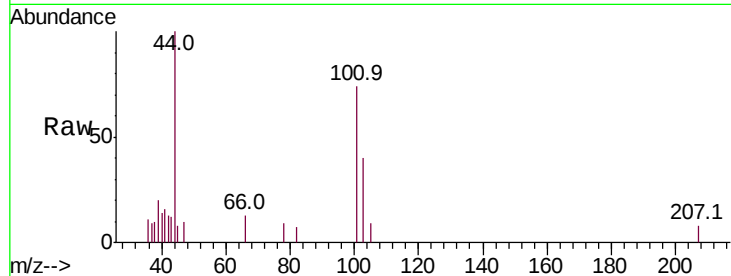


#7

Trichlorofluoromethane
Concen: 0.685 ug/l
RT: 2.99 min Scan# 378
Delta R.T. -0.01 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

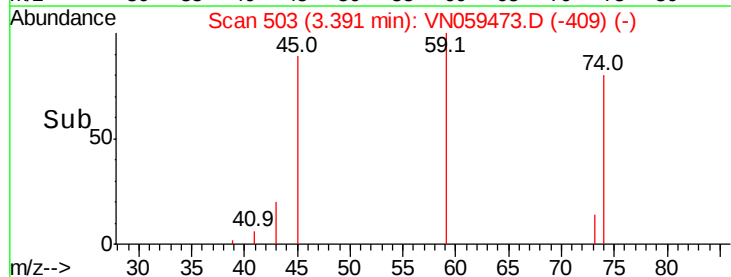
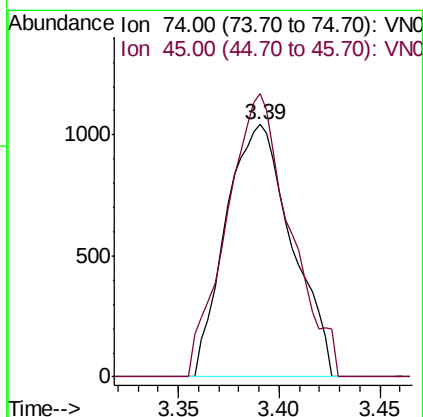
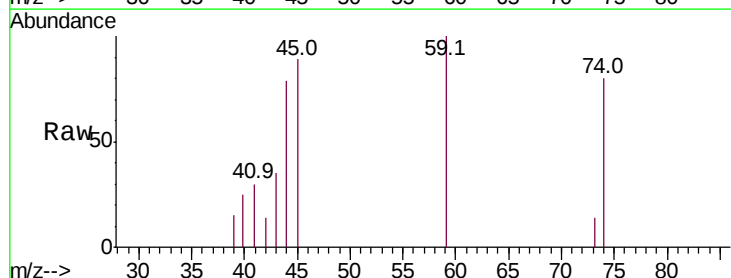
Tot Ion:101 Resp: 3345
Ion Ratio Lower Upper
101 100
103 54.3 52.4 78.6

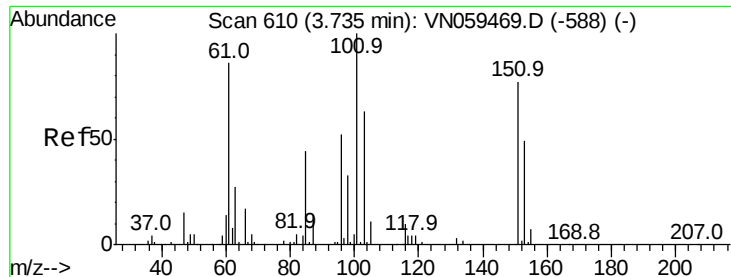


#8

Diethyl Ether
Concen: 1.114 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 74 Resp: 2368
Ion Ratio Lower Upper
74 100
45 108.3 52.3 157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.102 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

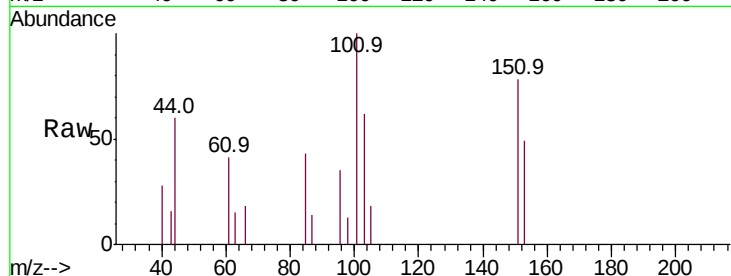
Tot Ion:101 Resp: 3535

Ion Ratio Lower Upper

101 100

85 25.0 35.2 52.8#

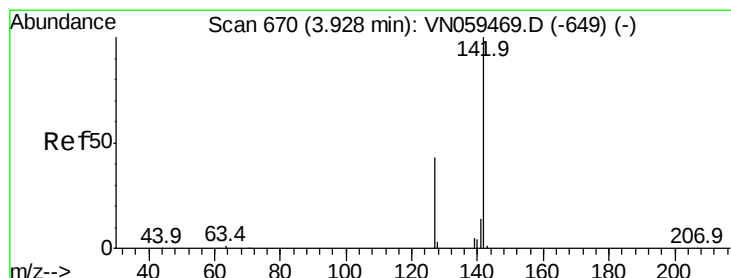
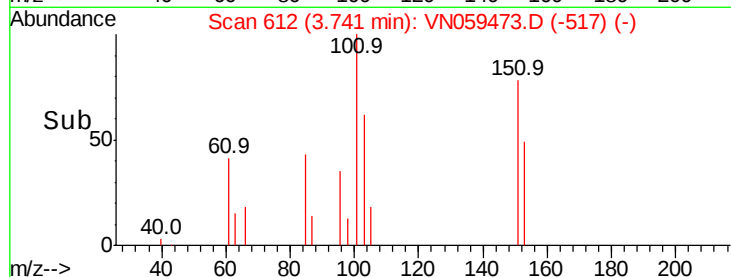
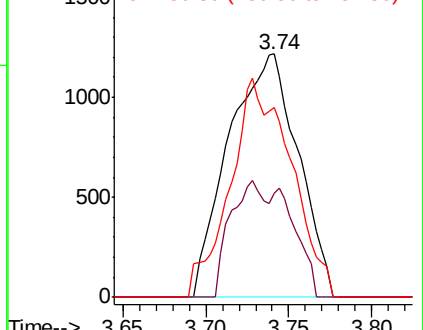
151 79.2 62.4 93.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.785 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

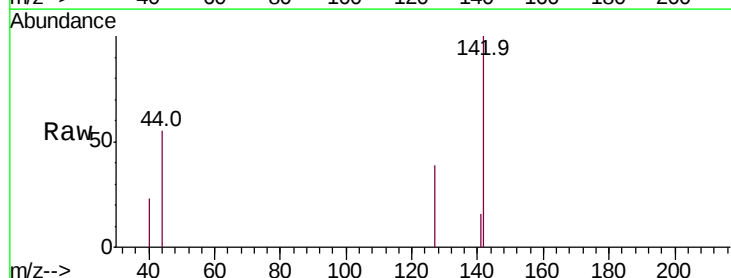
Tgt Ion:142 Resp: 3294

Ion Ratio Lower Upper

142 100

127 43.7 34.6 52.0

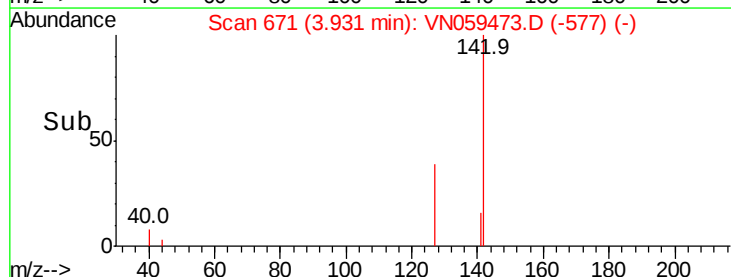
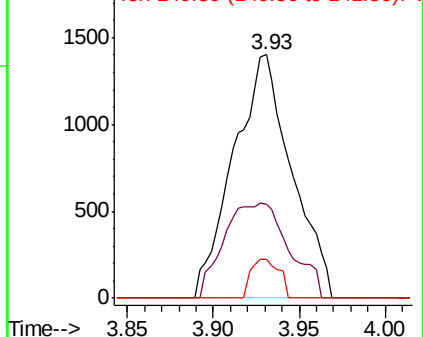
141 7.6 11.4 17.0#

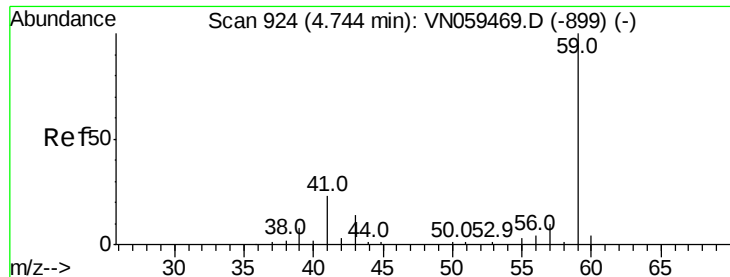


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 5.872 ug/l

RT: 4.76 min Scan# 929

Delta R.T. 0.02 min

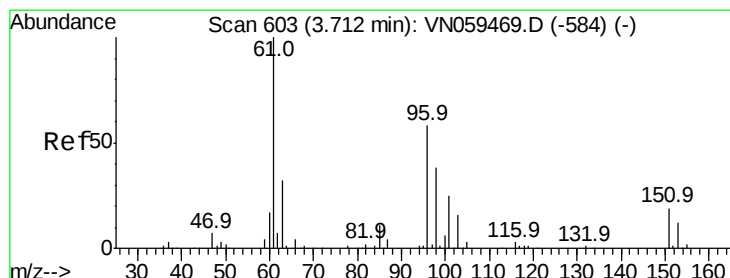
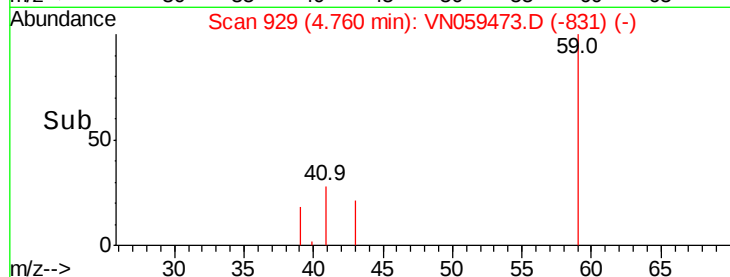
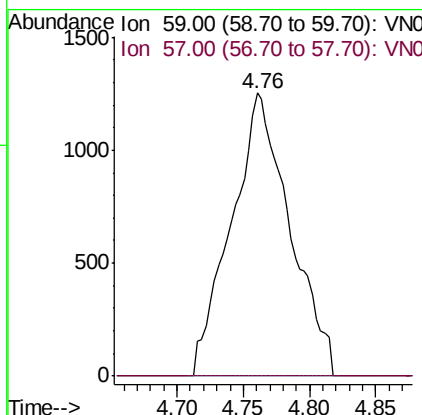
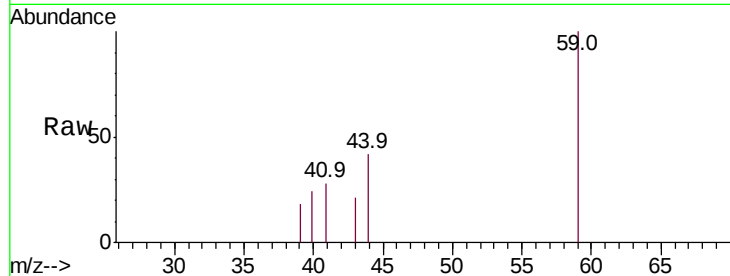
Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 3853

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#



#12

1,1-Dichloroethene

Concen: 1.058 ug/l

RT: 3.71 min Scan# 602

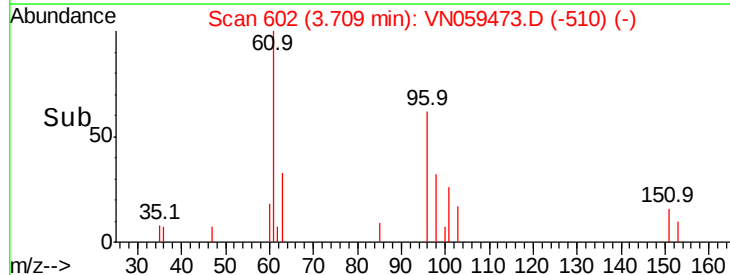
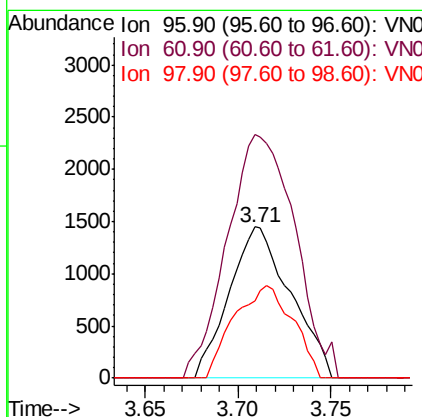
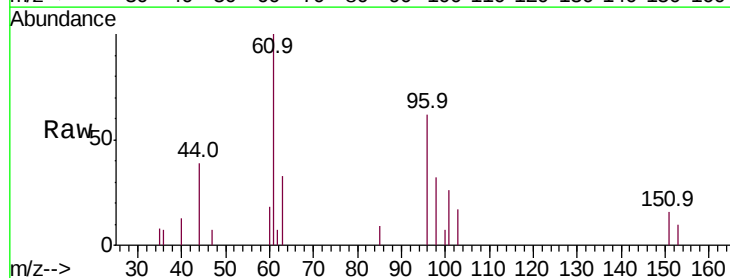
Delta R.T. -0.00 min

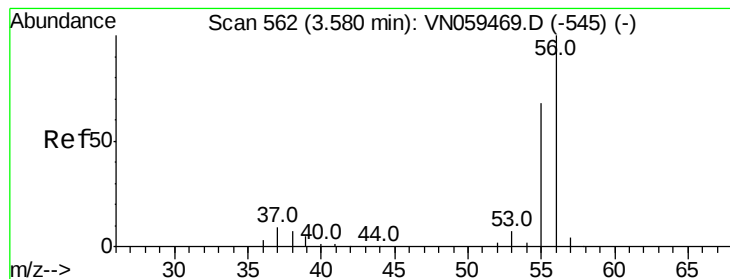
Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Tgt Ion: 96 Resp: 3326

Ion	Ratio	Lower	Upper
96	100		
61	161.2	137.1	205.7
98	51.4	52.4	78.6#





#13

Acrolein

Concen: 6.540 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

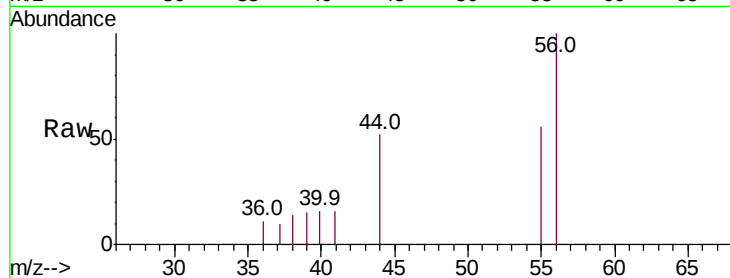
ClientSampleId :

Tot Ion: 56 Resp: 4072

Ion Ratio Lower Upper

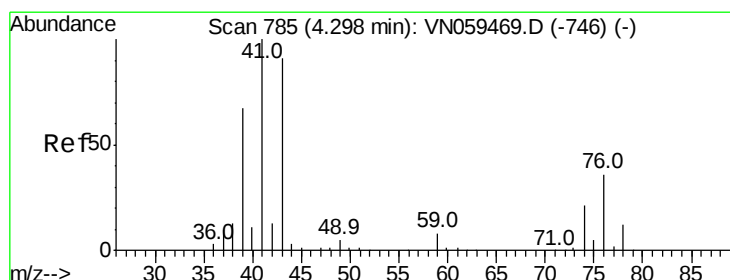
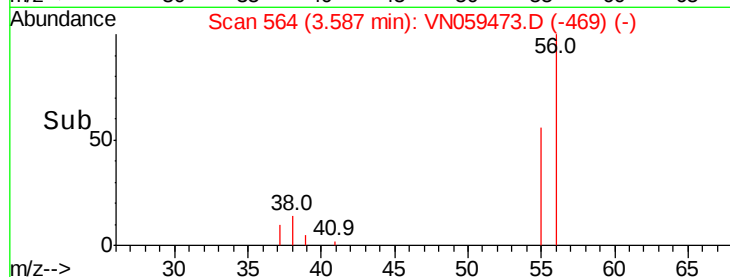
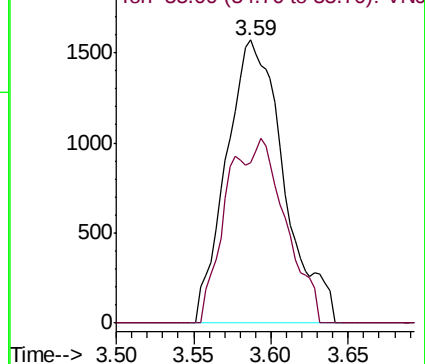
56 100

55 26.4 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.206 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

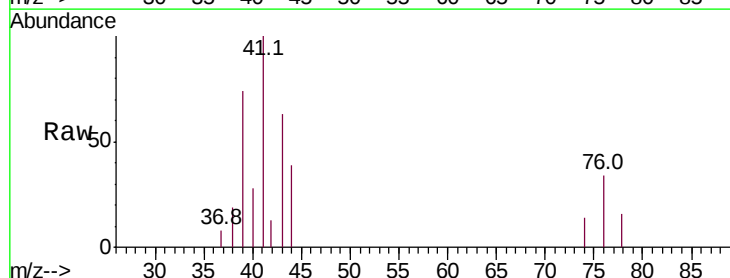
Tgt Ion: 41 Resp: 7093

Ion Ratio Lower Upper

41 100

39 69.1 49.3 73.9

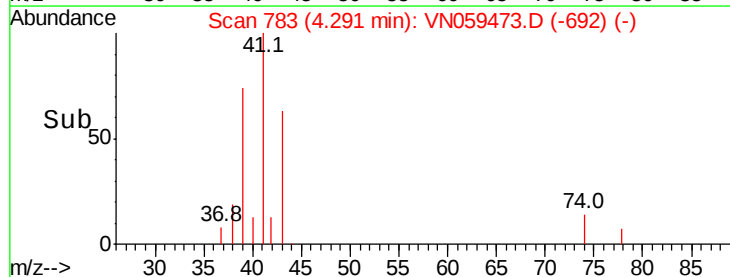
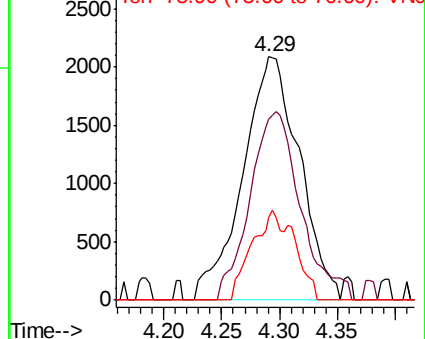
76 19.5 25.6 38.4#

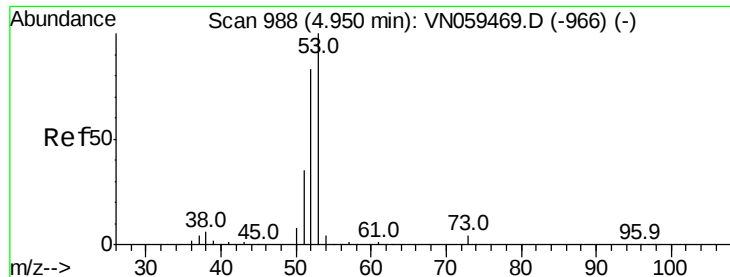


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 5.256 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

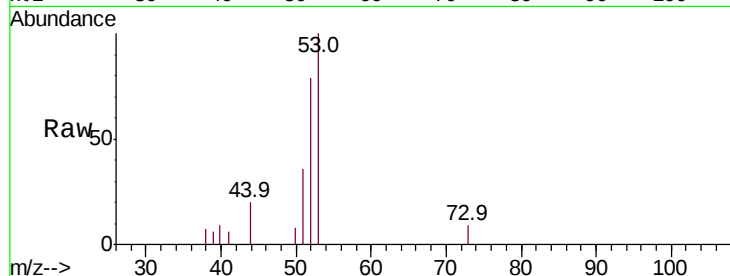
Tot Ion: 53 Resp: 9615

Ion Ratio Lower Upper

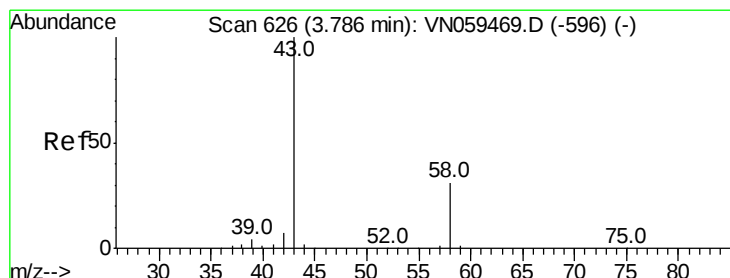
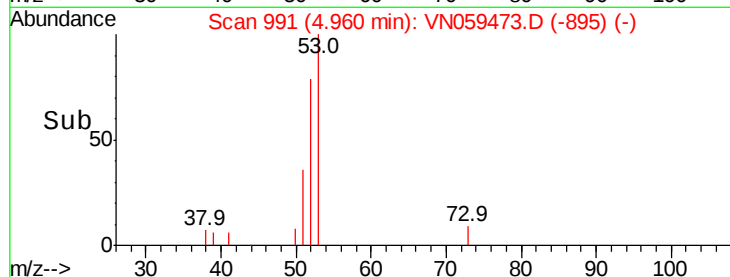
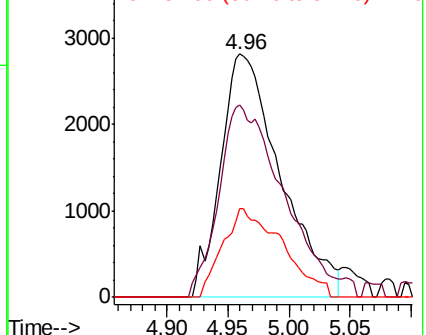
53 100

52 84.4 65.5 98.3

51 36.4 28.5 42.7



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 13.174 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN059473.D

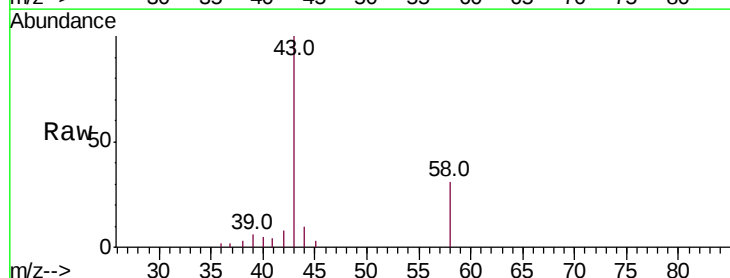
Acq: 3 Dec 2019 16:13

Tgt Ion: 43 Resp: 23848

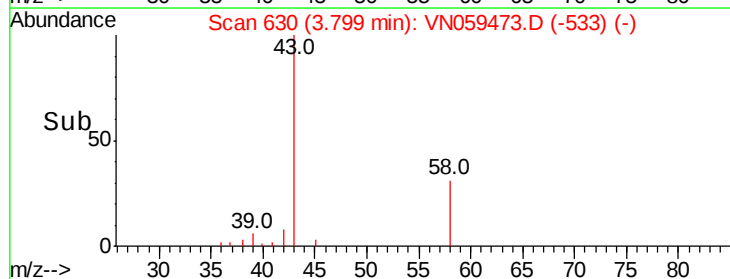
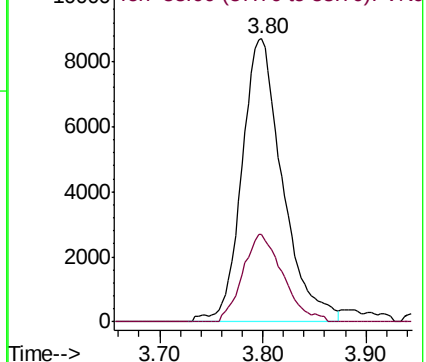
Ion Ratio Lower Upper

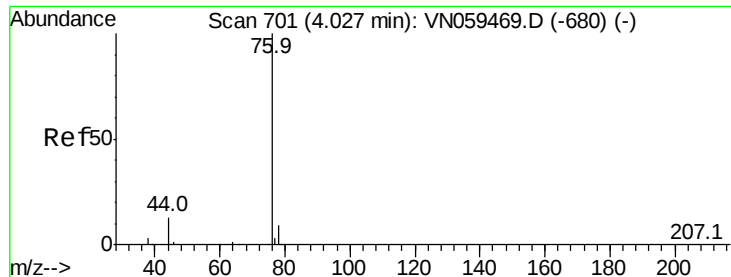
43 100

58 30.8 24.9 37.3



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





#17

Carbon Disulfide

Concen: 1.325 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

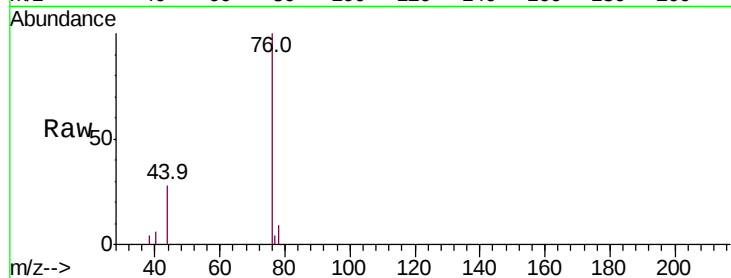
ClientSampled :

Tot Ion: 76 Resp: 14313

Ion Ratio Lower Upper

76 100

78 8.7 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.02

6000

5000

4000

3000

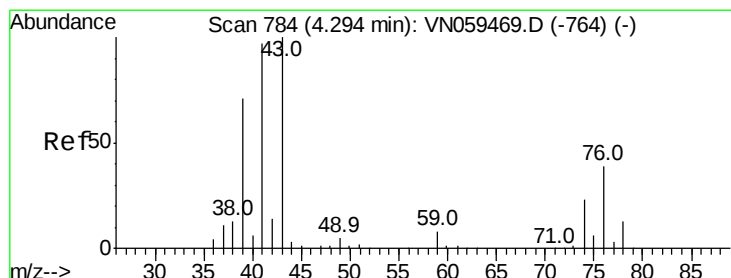
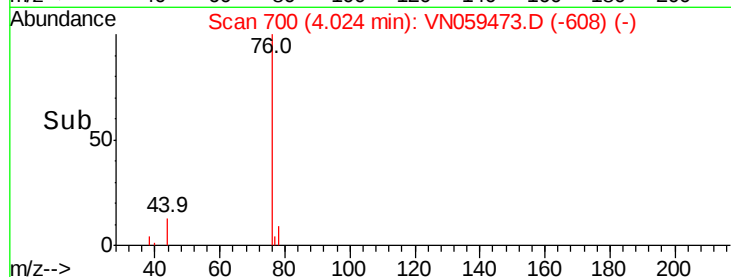
2000

1000

0

Time-->

3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 1.170 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN059473.D

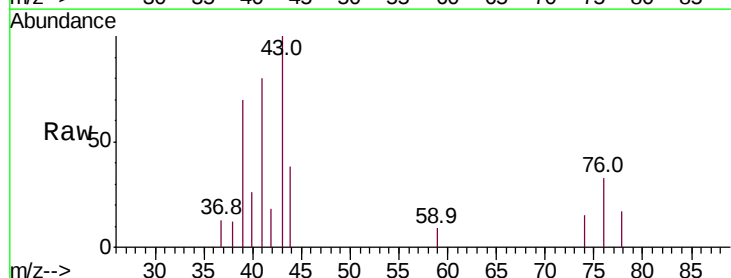
Acq: 3 Dec 2019 16:13

Tgt Ion: 43 Resp: 5748

Ion Ratio Lower Upper

43 100

74 7.5 18.3 27.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.31

2000

1500

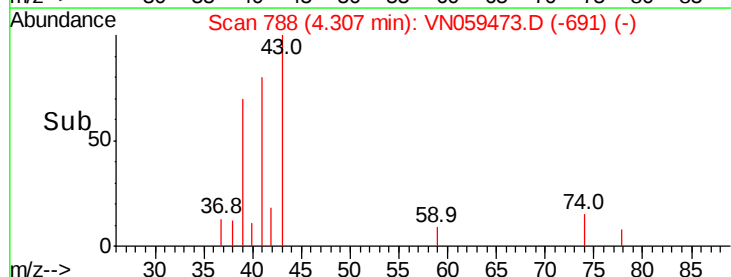
1000

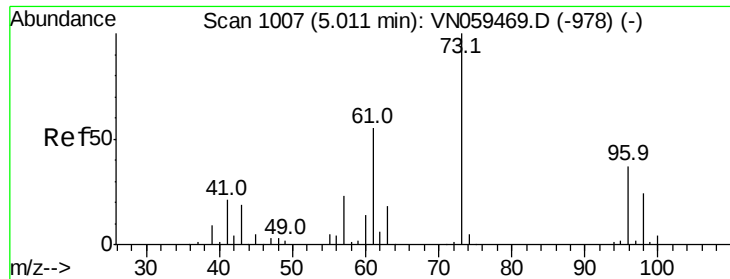
500

0

Time-->

4.20 4.25 4.30 4.35 4.40



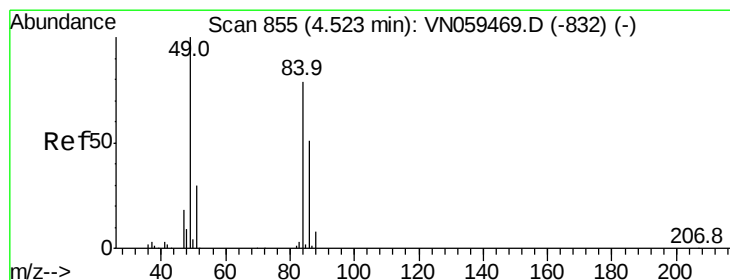
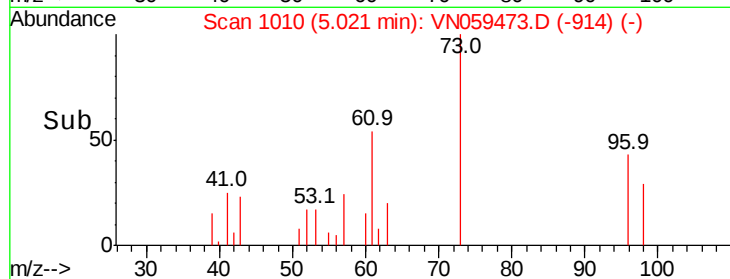
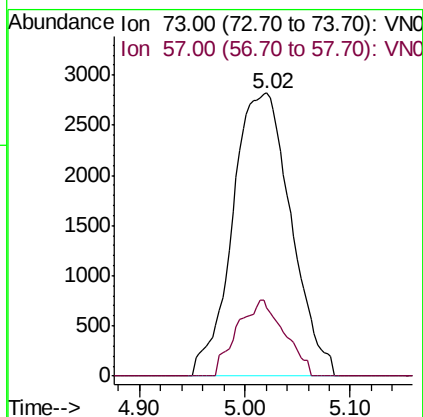
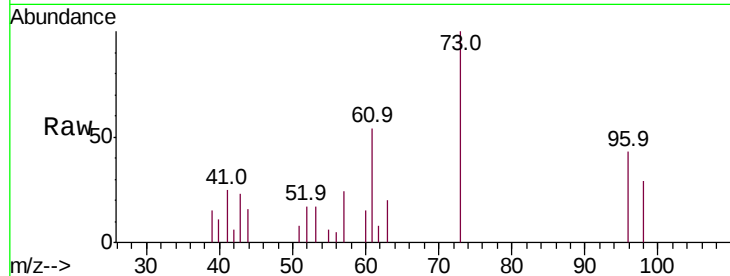


#19

Methyl tert-butyl Ether
 Concen: 1.060 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.01 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :

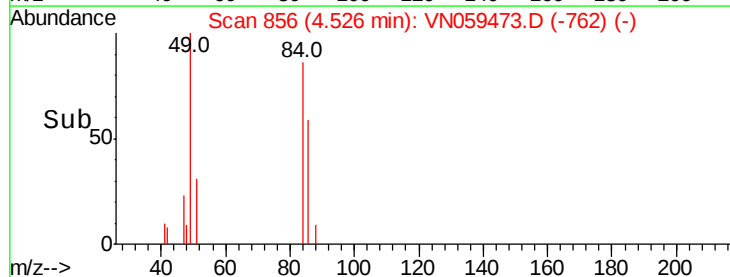
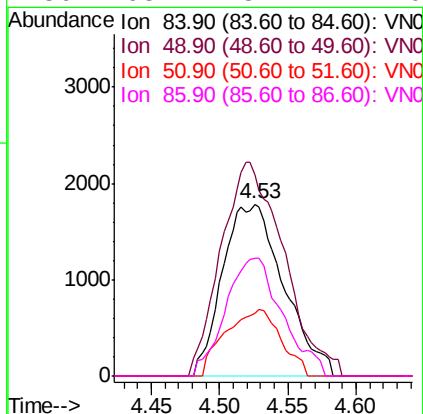
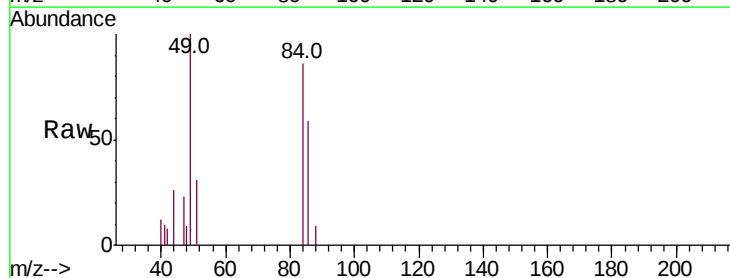
Tot Ion: 73 Resp: 10855
 Ion Ratio Lower Upper
 73 100
 57 24.3 18.0 27.0

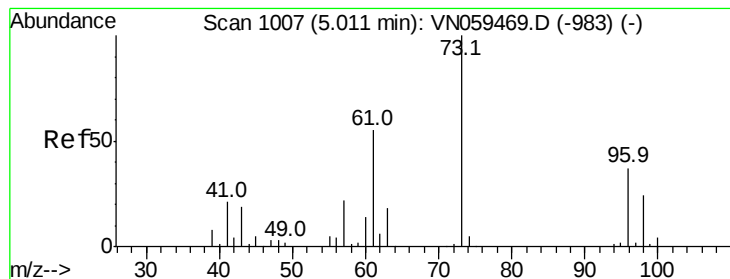


#20

Methylene Chloride
 Concen: 1.531 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Tgt Ion: 84 Resp: 5549
 Ion Ratio Lower Upper
 84 100
 49 116.7 101.1 151.7
 51 36.7 30.7 46.1
 86 68.7 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 1.151 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

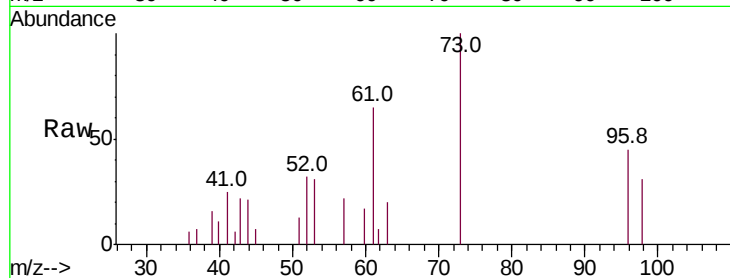
Tot Ion: 96 Resp: 3953

Ion Ratio Lower Upper

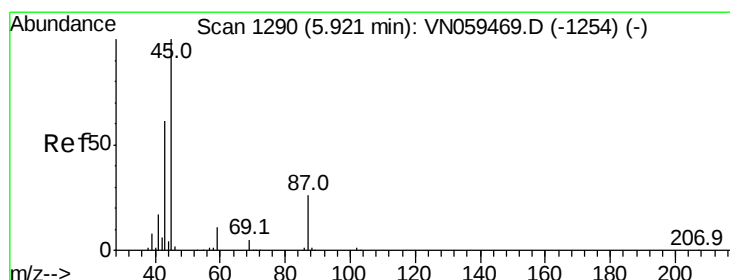
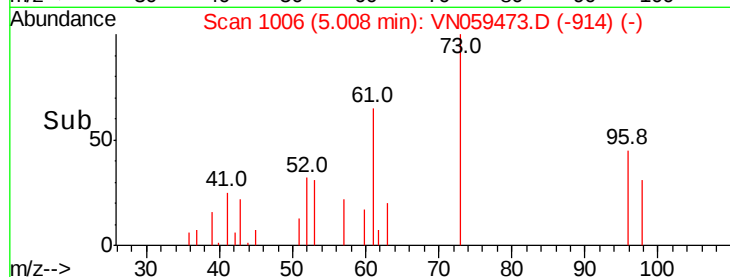
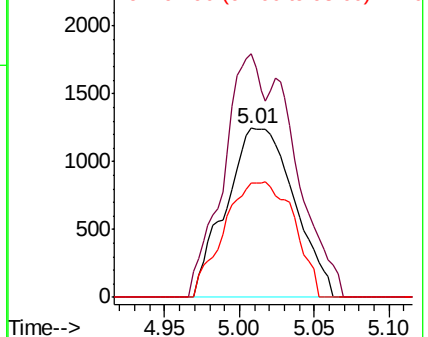
96 100

61 144.0 118.9 178.3

98 67.9 51.6 77.4



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



#22

Diisopropyl ether

Concen: 1.013 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Tgt Ion: 45 Resp: 11112

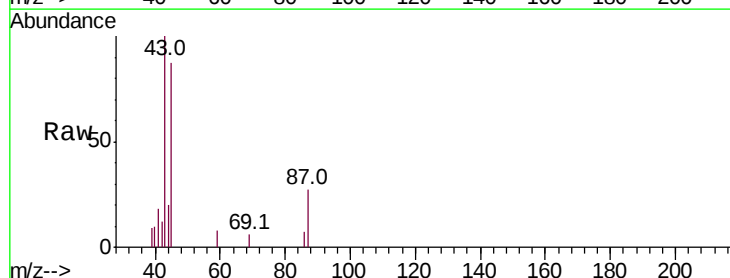
Ion Ratio Lower Upper

45 100

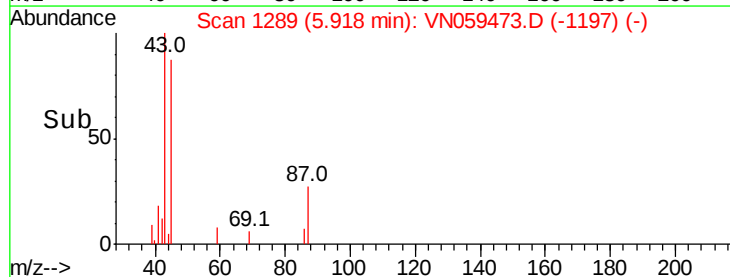
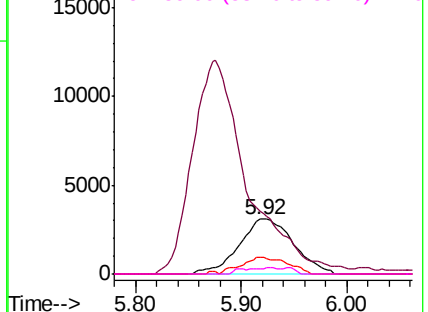
43 100.4 49.1 73.7#

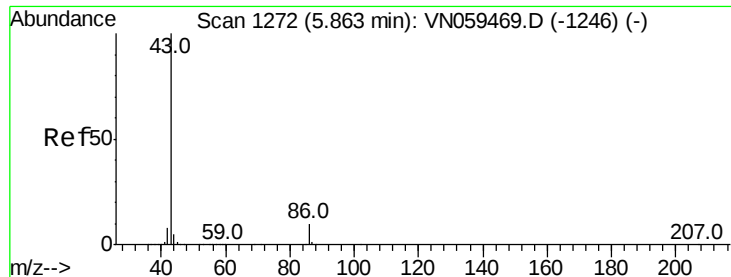
87 31.1 21.6 32.4

59 9.0 9.0 13.4



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





#23

Vinyl Acetate

Concen: 4.933 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

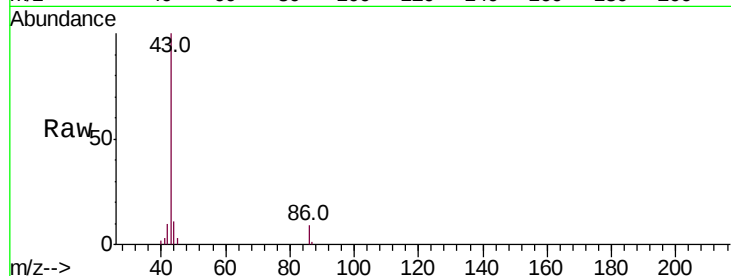
ClientSampleId :

Tot Ion: 43 Resp: 43896

Ion Ratio Lower Upper

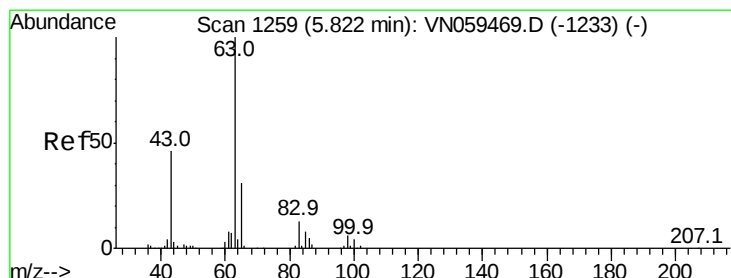
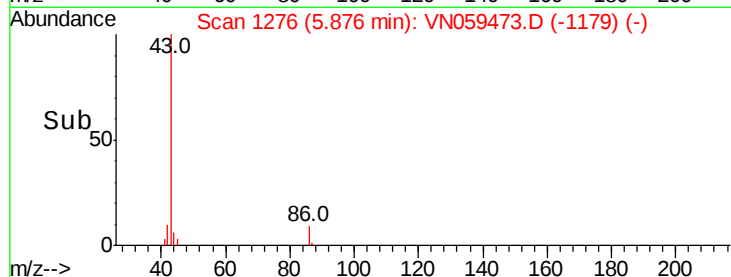
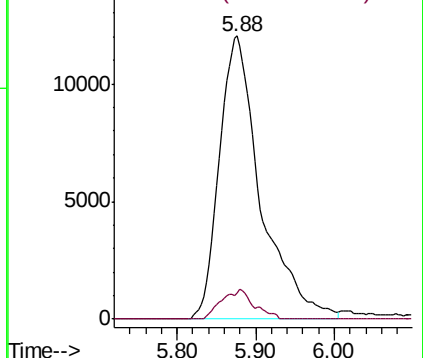
43 100

86 9.4 8.0 12.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 1.062 ug/l

RT: 5.81 min Scan# 1257

Delta R.T. -0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

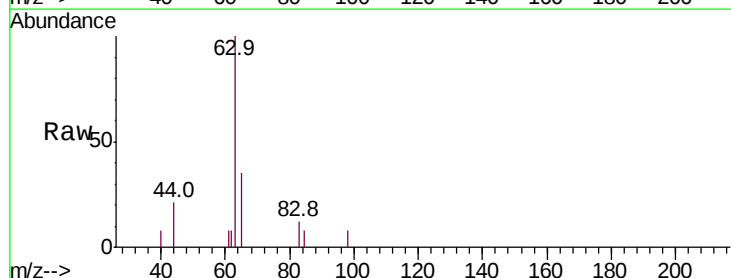
Tgt Ion: 63 Resp: 6688

Ion Ratio Lower Upper

63 100

98 7.9 3.2 9.6

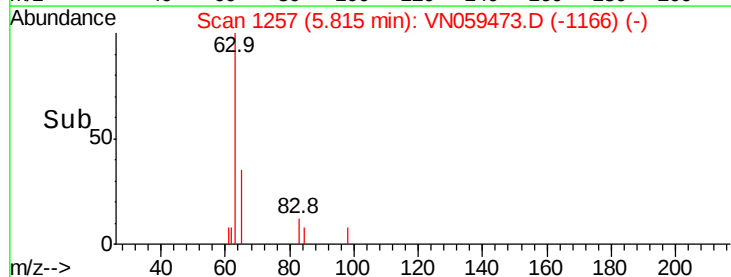
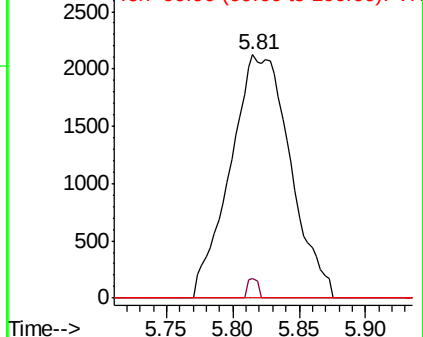
100 0.0 2.0 6.0#

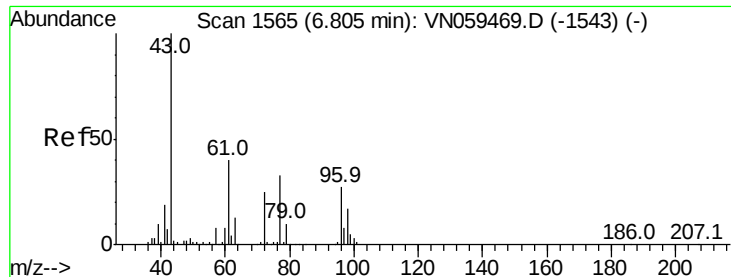


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

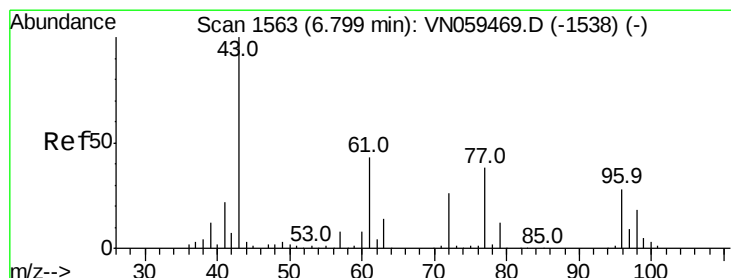
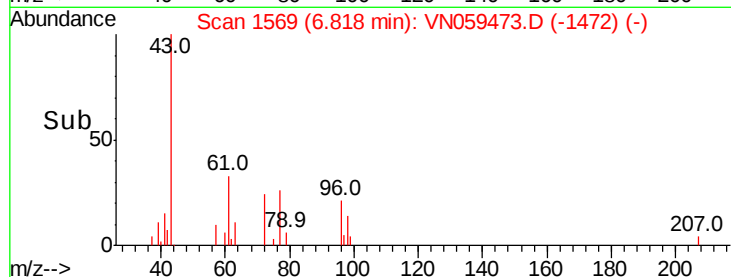
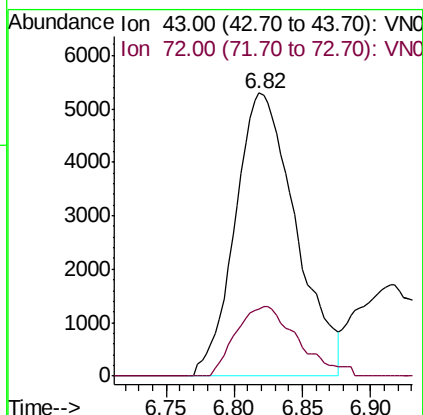
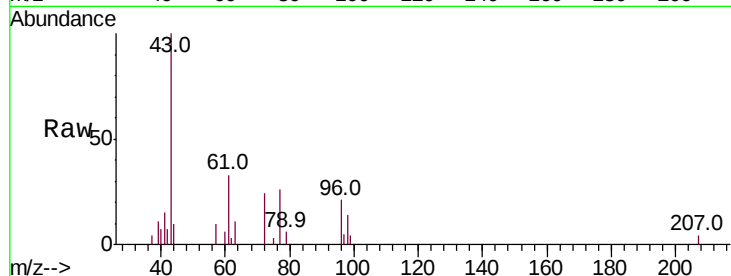




#25
2-Butanone
Concen: 6.555 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

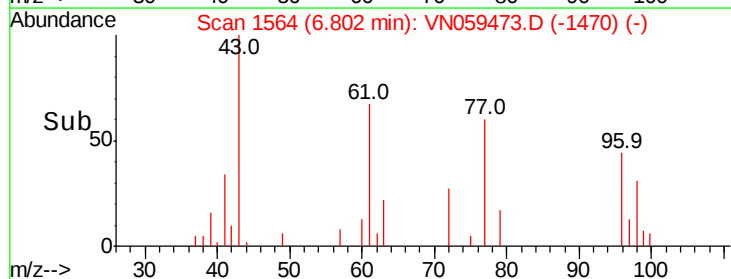
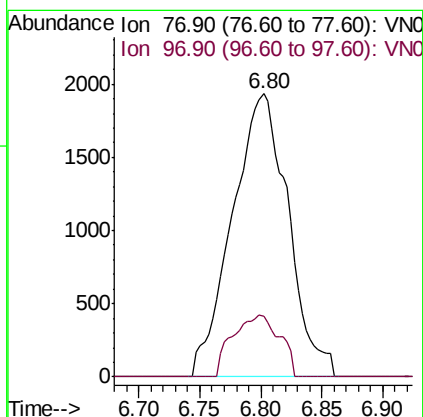
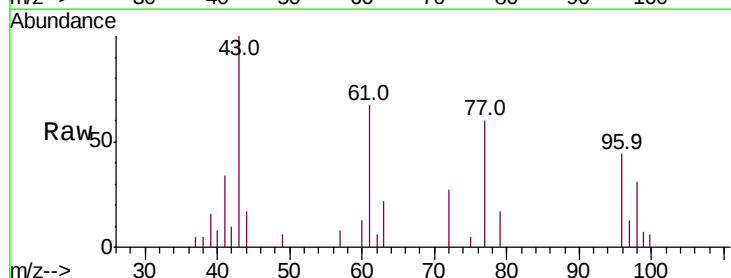
Instrument :
MSVOA_N
ClientSampled :

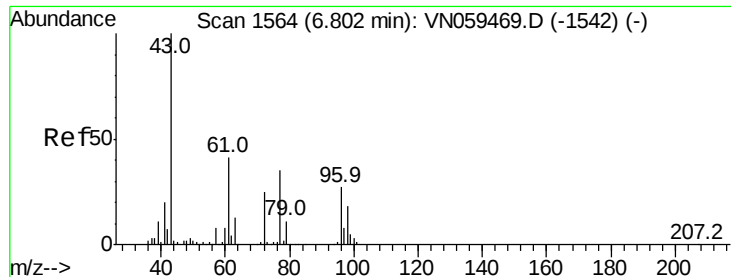
Tot Ion: 43 Resp: 16361
Ion Ratio Lower Upper
43 100
72 23.9 20.2 30.2



#26
2,2-Dichloropropane
Concen: 1.145 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 77 Resp: 6144
Ion Ratio Lower Upper
77 100
97 18.3 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 1.132 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.01 min

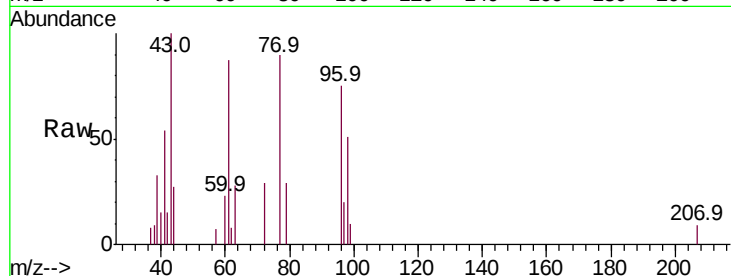
Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 4264

Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	307.4
98	67.1	0.0	129.2

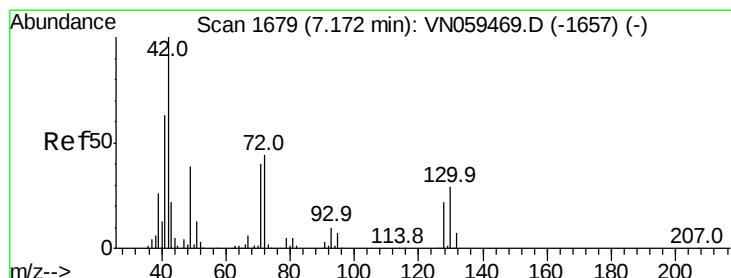
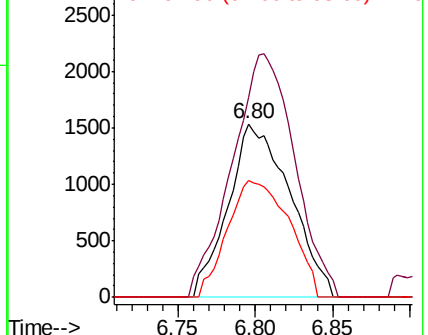
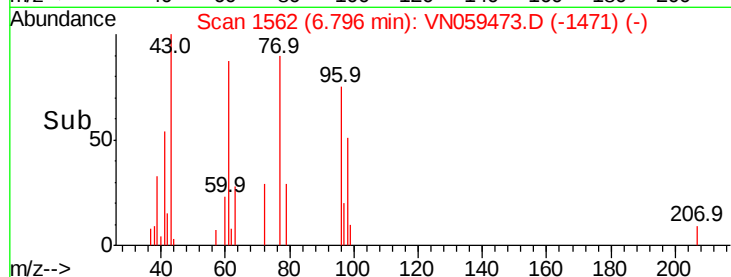


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.522 ug/l

RT: 7.17 min Scan# 1679

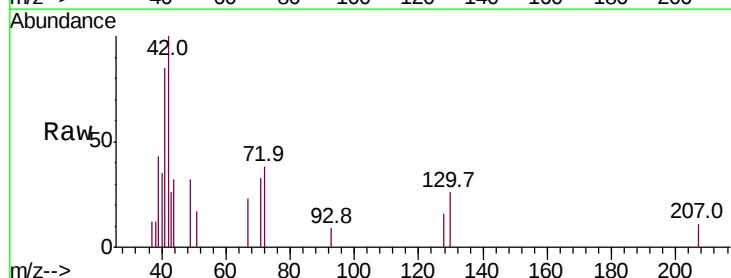
Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Tgt Ion: 49 Resp: 1121

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	81.0	58.4	87.6

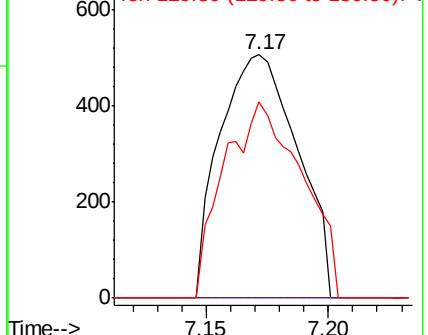
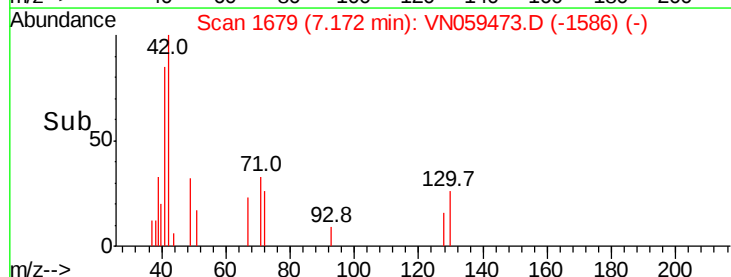


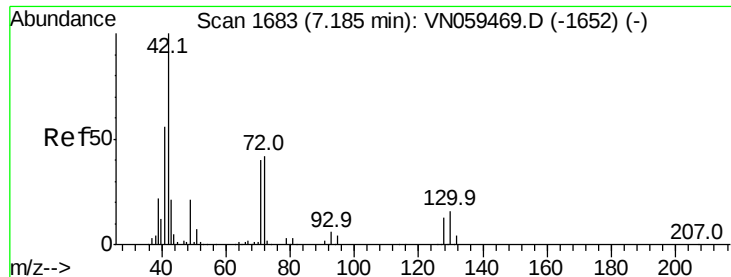
Abundance

Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

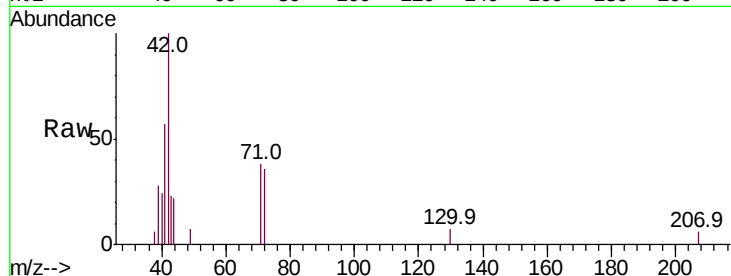




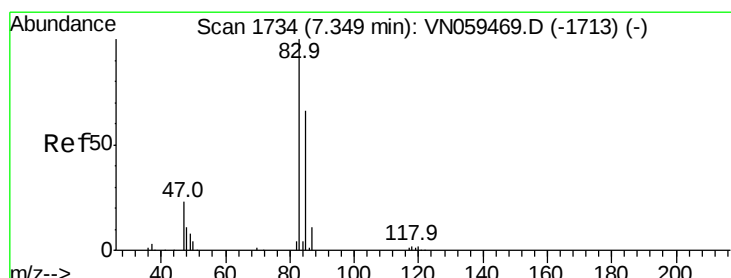
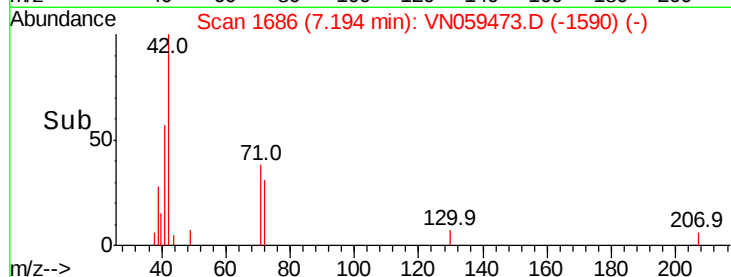
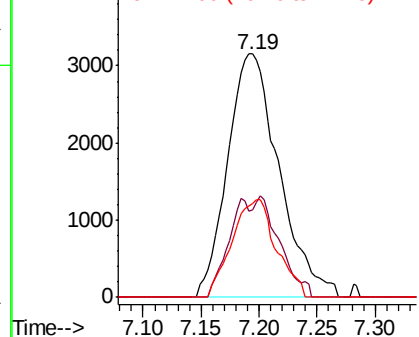
#29
Tetrahydrofuran
Concen: 5.853 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 9716
Ion Ratio Lower Upper
42 100
72 16.6 34.2 51.2#
71 34.5 32.0 48.0

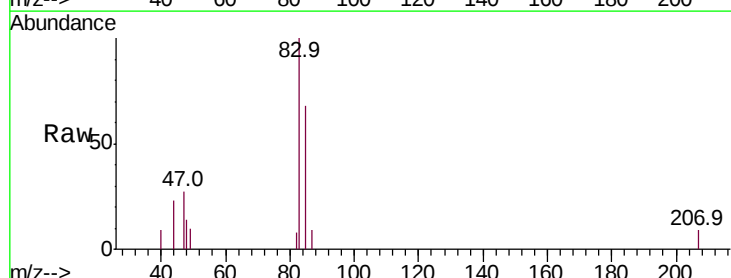


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

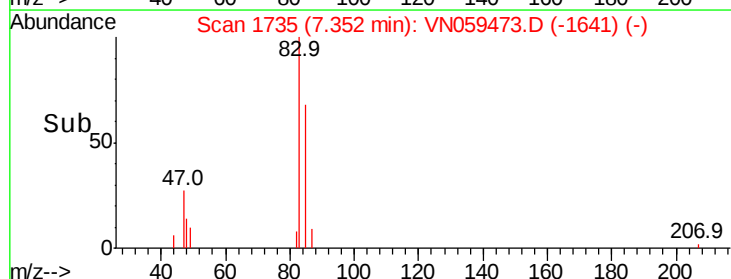
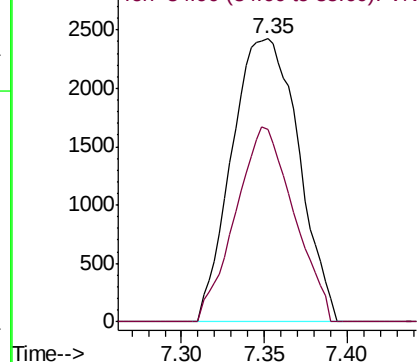


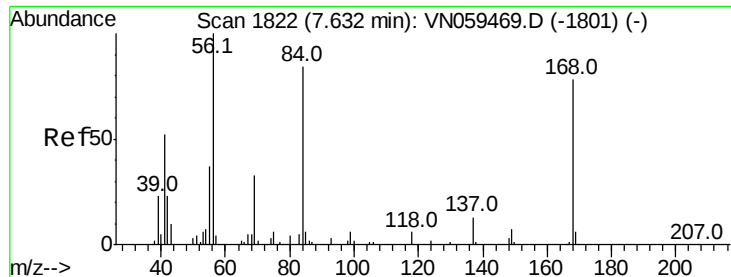
#30
Chloroform
Concen: 1.071 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 83 Resp: 6783
Ion Ratio Lower Upper
83 100
85 68.1 52.4 78.6



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





#31

Cyclohexane

Concen: 1.946 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :

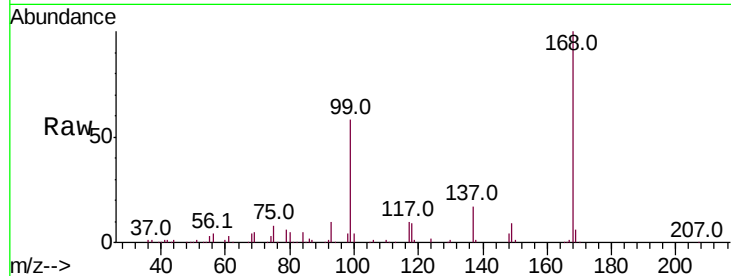
Tot Ion: 56 Resp: 12282

Ion Ratio Lower Upper

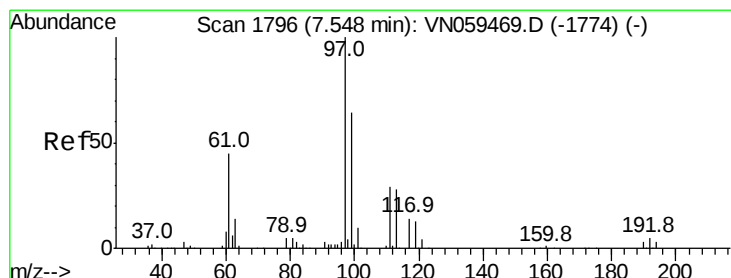
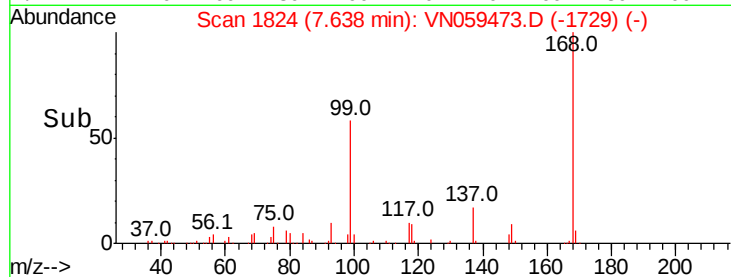
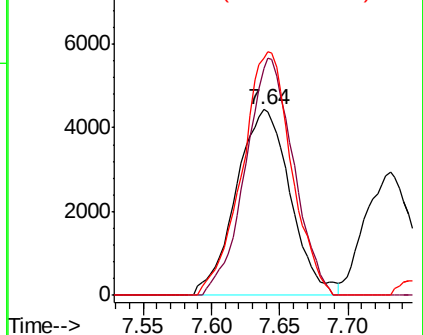
56 100

69 122.0 26.2 39.4#

84 127.8 66.8 100.2#



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



#32

1,1,1-Trichloroethane

Concen: 1.189 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

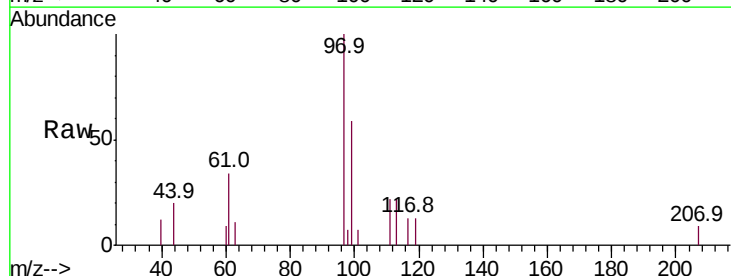
Tgt Ion: 97 Resp: 6161

Ion Ratio Lower Upper

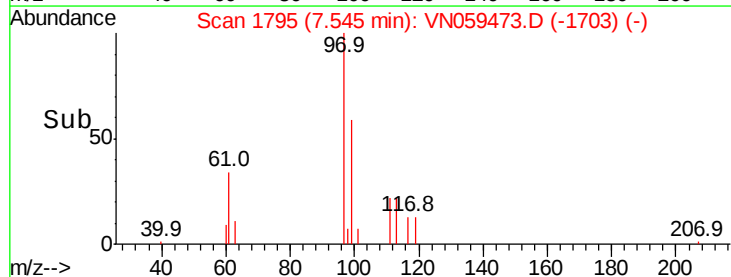
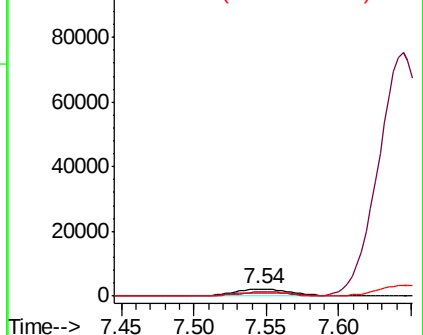
97 100

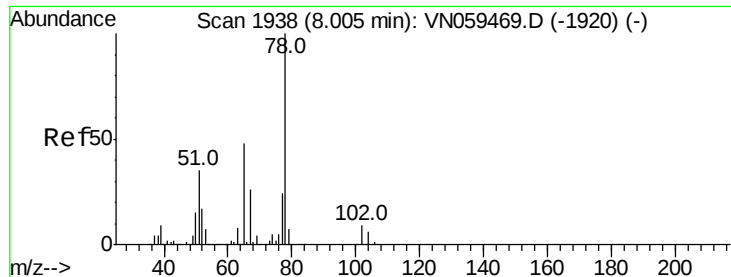
99 0.0 51.7 77.5#

61 39.3 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 1.372 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

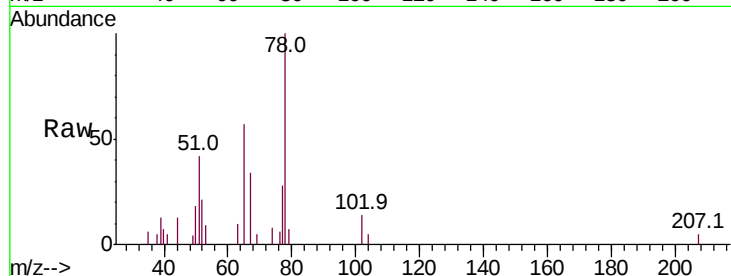
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 5148

Ion Ratio Lower Upper

65 100

67 55.9 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN059469.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN059469.D (-1920) (-)

8.01

2000

1500

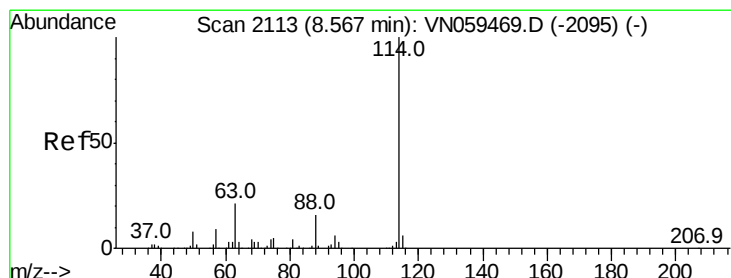
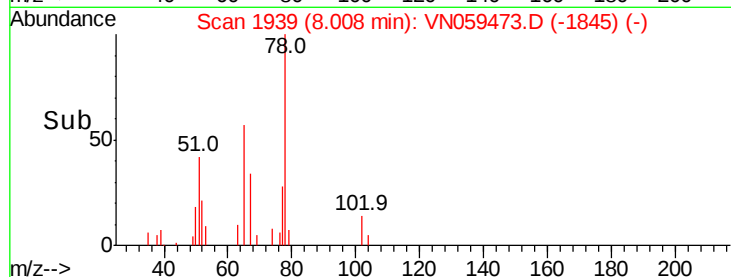
1000

500

0

7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

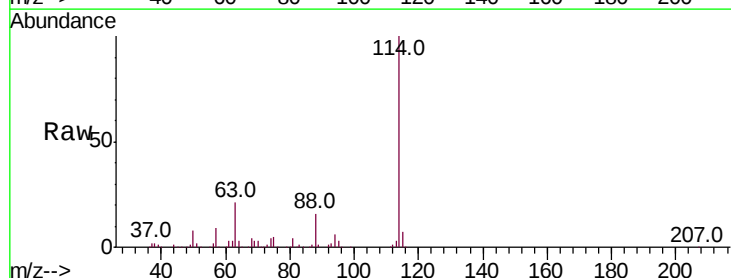
Tgt Ion:114 Resp: 503490

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 16.2 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN059469.D (-2095) (-)

Ion 63.00 (62.70 to 63.70): VN059469.D (-2095) (-)

Ion 87.90 (87.60 to 88.60): VN059469.D (-2095) (-)

8.57

300000

250000

200000

150000

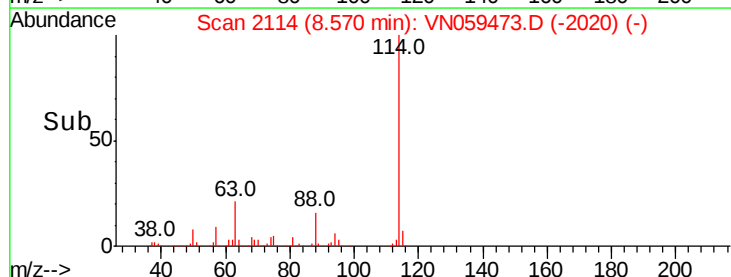
100000

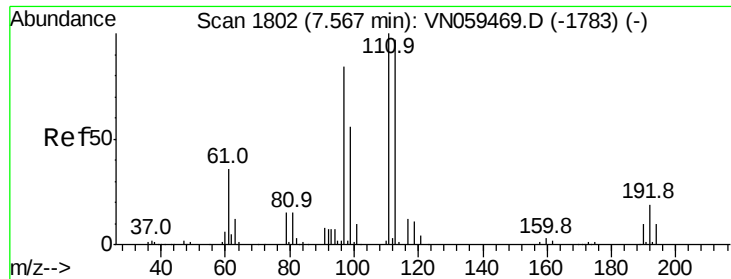
50000

0

8.50 8.60 8.70

Time-->

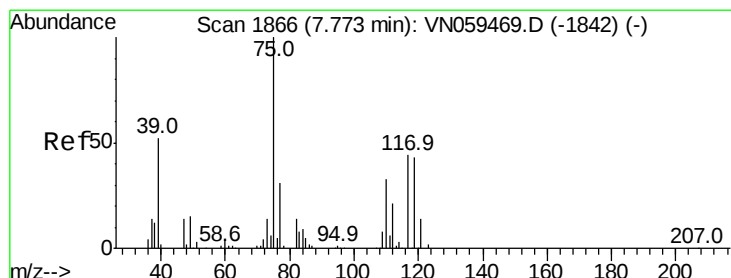
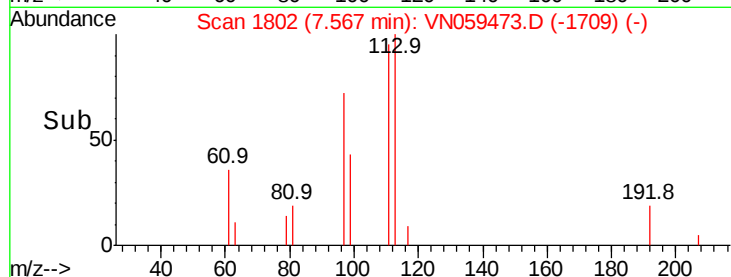
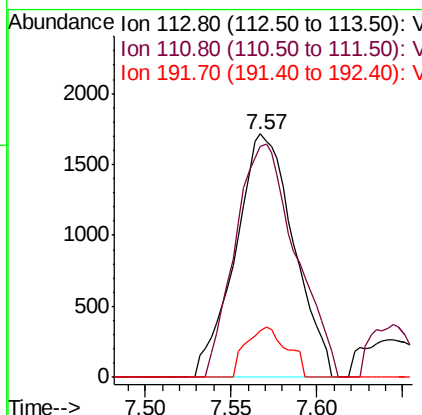
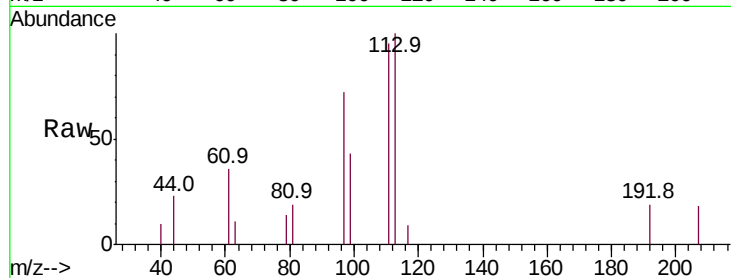




#35
 Dibromofluoromethane
 Concen: 1.309 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

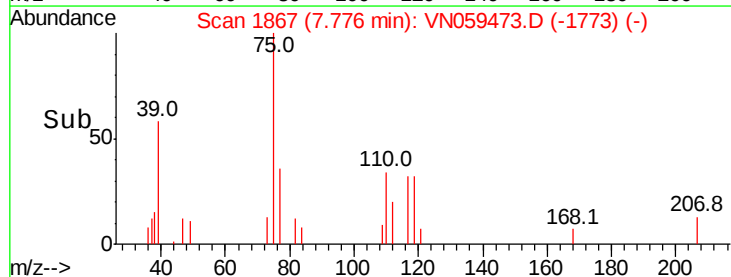
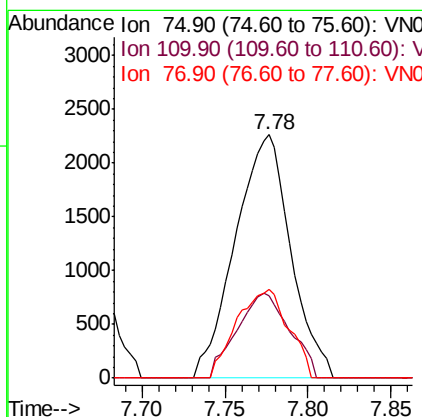
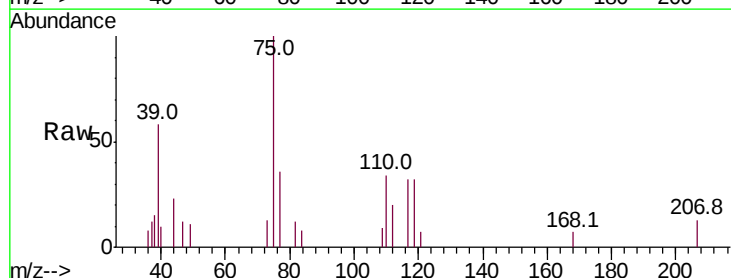
Instrument :
 MSVOA_N
 ClientSampled :

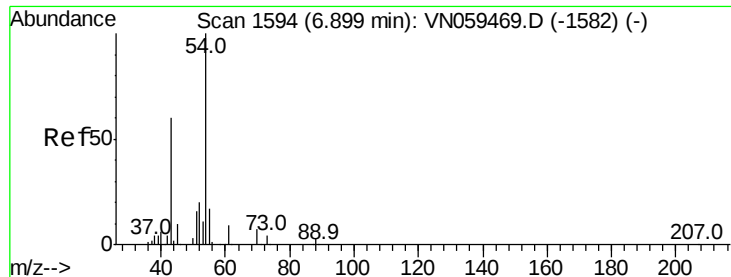
Tot Ion:113 Resp: 4036
 Ion Ratio Lower Upper
 113 100
 111 99.6 82.5 123.7
 192 14.5 16.1 24.1#



#36
 1,1-Dichloropropene
 Concen: 1.077 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Tgt Ion: 75 Resp: 5275
 Ion Ratio Lower Upper
 75 100
 110 33.1 16.9 50.7
 77 33.9 25.1 37.7

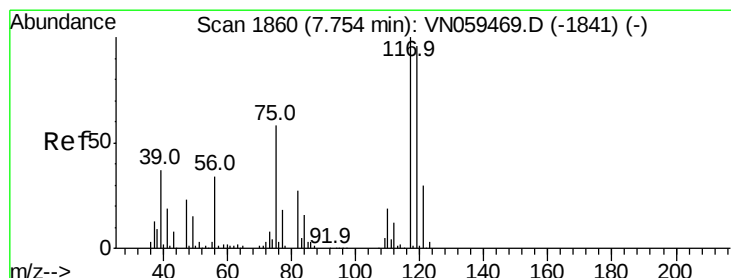
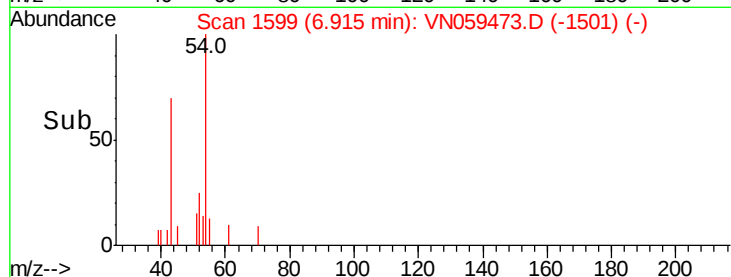
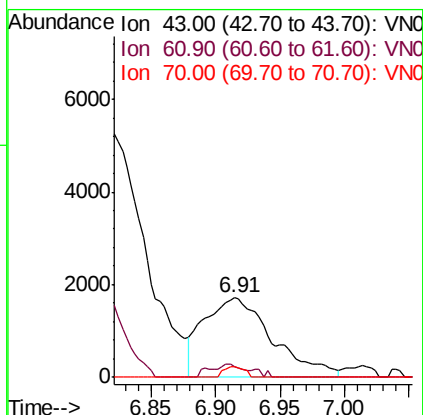
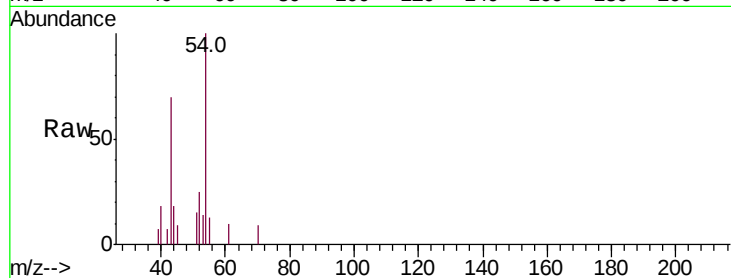




#37
Ethyl Acetate
Concen: 1.211 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.02 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

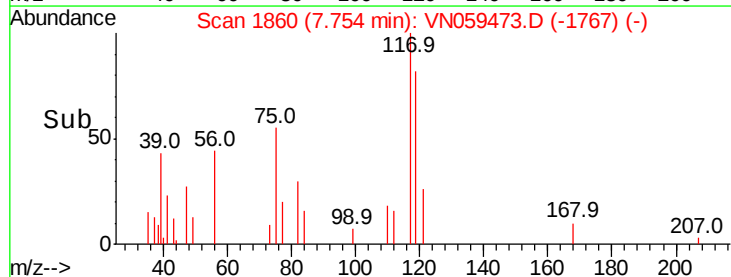
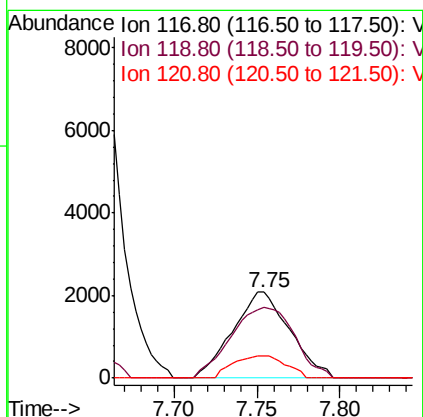
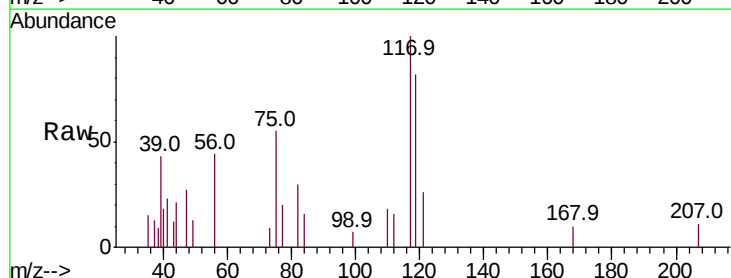
Instrument :
MSVOA_N
ClientSampleId :

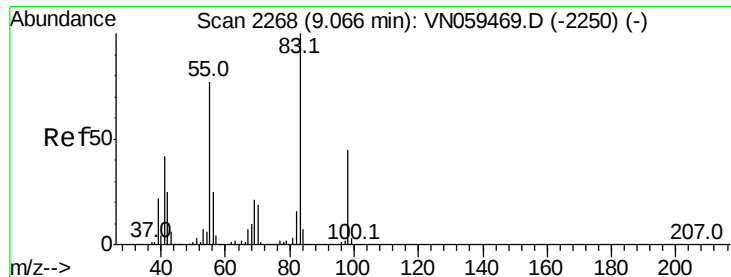
Tot Ion: 43 Resp: 6392
Ion Ratio Lower Upper
43 100
61 7.2 11.3 16.9#
70 4.0 8.3 12.5#



#38
Carbon Tetrachloride
Concen: 1.070 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 117 Resp: 4971
Ion Ratio Lower Upper
117 100
119 82.1 76.6 114.8
121 26.0 24.0 36.0

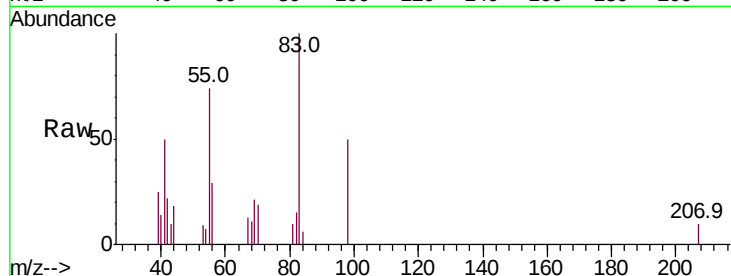




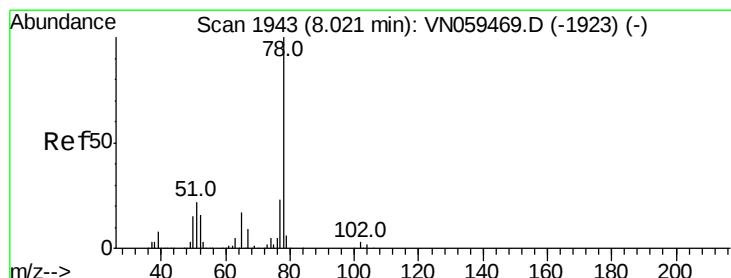
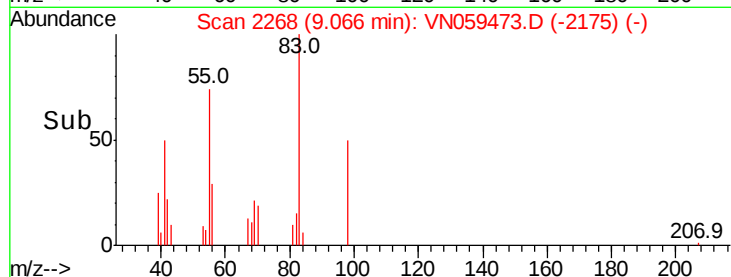
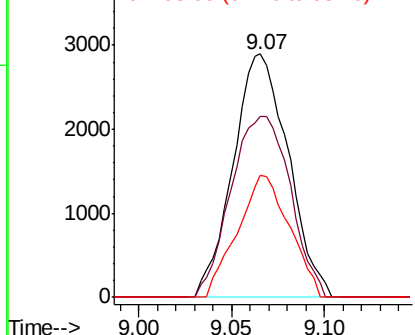
#39
Methvlcvclohexane
Concen: 1.020 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 5979
Ion Ratio Lower Upper
83 100
55 74.1 61.8 92.6
98 50.3 36.2 54.2

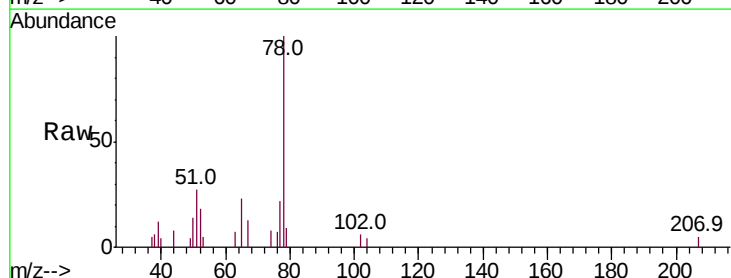


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

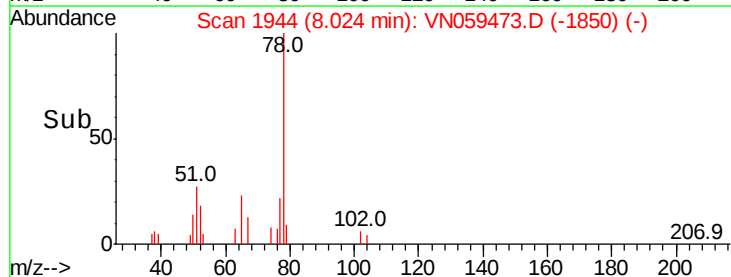
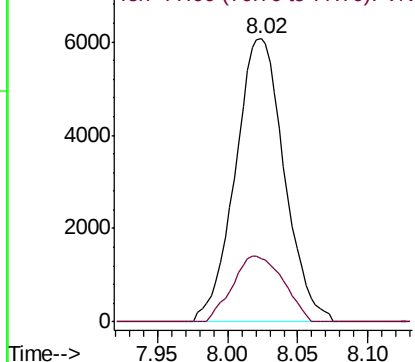


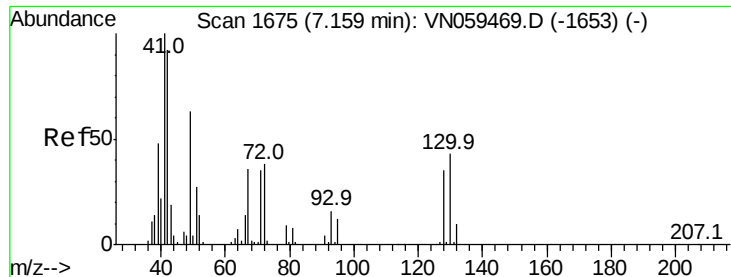
#40
Benzene
Concen: 1.011 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 78 Resp: 14713
Ion Ratio Lower Upper
78 100
77 22.5 18.2 27.2



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

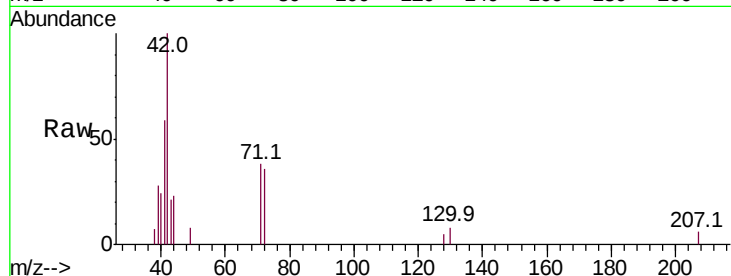




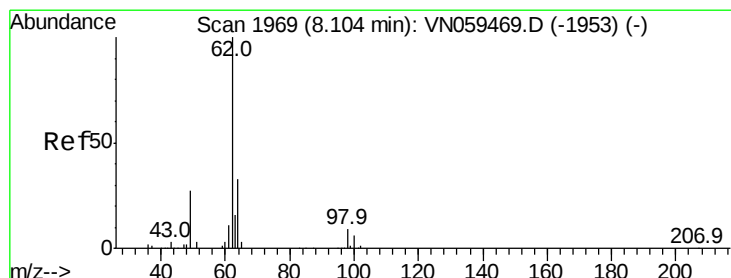
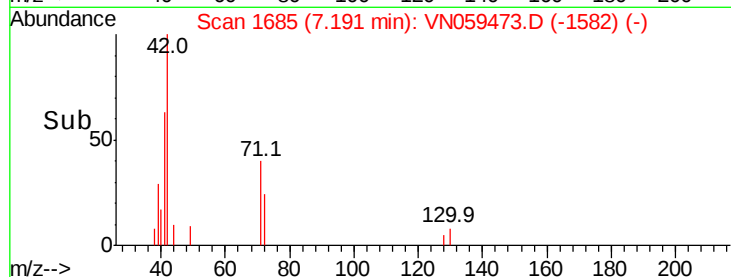
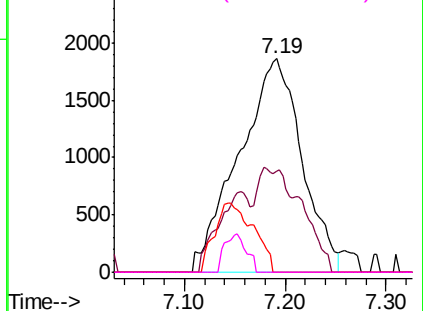
#41
Methacrylonitrile
Concen: 3.294 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 8072
Ion Ratio Lower Upper
41 100
39 3.8 0.0 0.0#
67 0.0 0.0 0.0
52 0.0 0.0 0.0

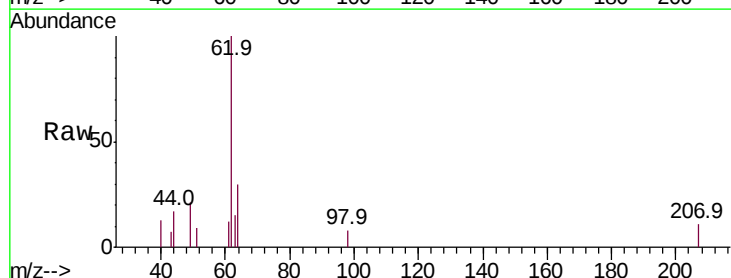


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

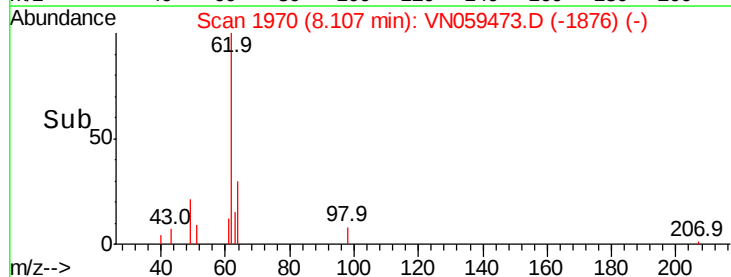
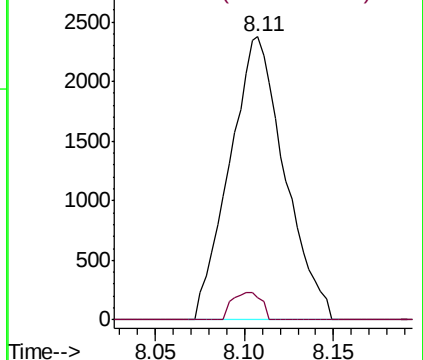


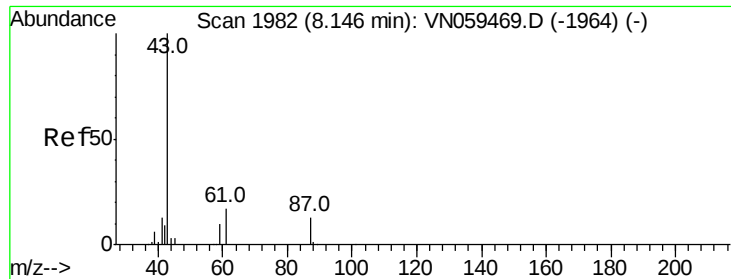
#42
1,2-Dichloroethane
Concen: 1.095 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 62 Resp: 5092
Ion Ratio Lower Upper
62 100
98 5.1 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 0.953 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

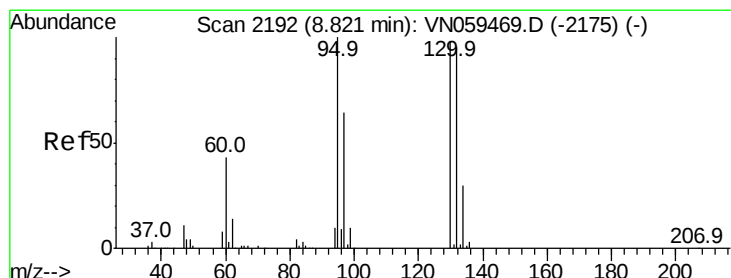
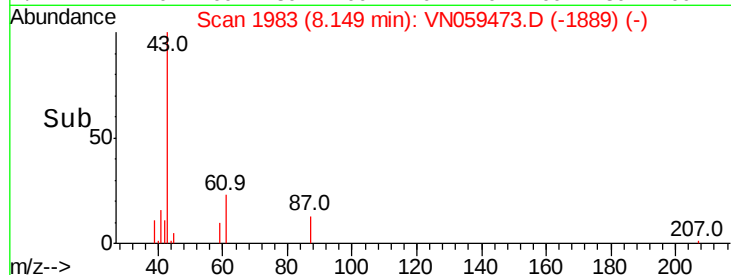
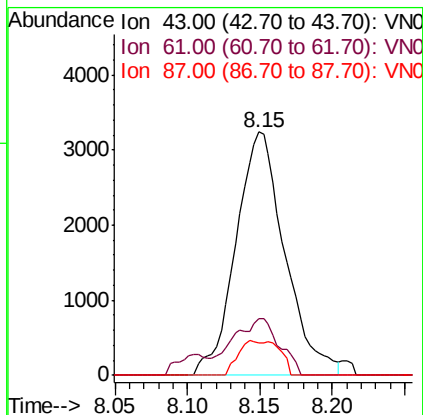
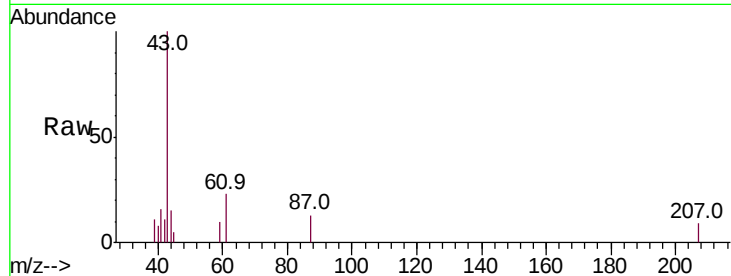
Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 7611

Ion	Ratio	Lower	Upper
43	100		
61	22.1	21.0	31.6
87	6.2	10.4	15.6



#44

Trichloroethene

Concen: 1.163 ug/l

RT: 8.82 min Scan# 2193

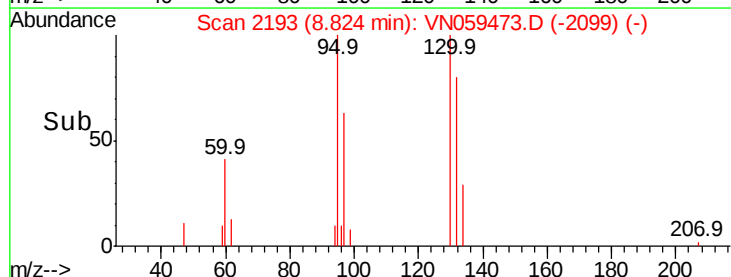
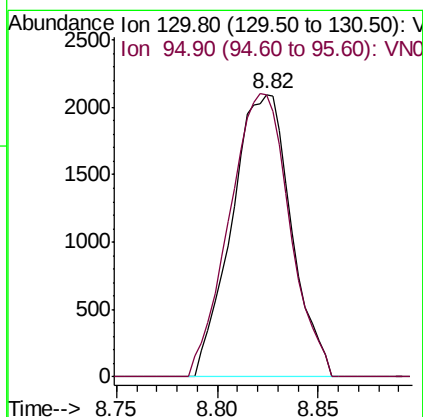
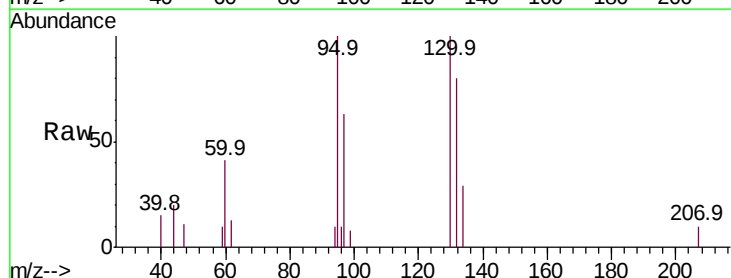
Delta R.T. 0.00 min

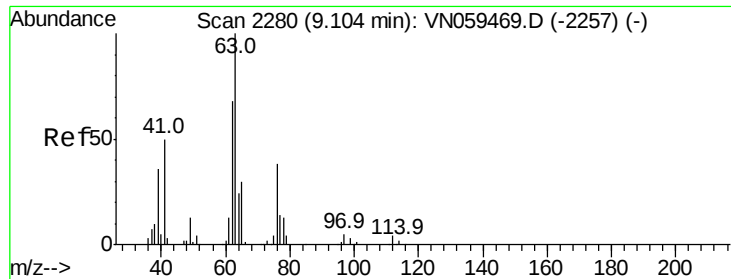
Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Tgt Ion: 130 Resp: 4309

Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	203.6

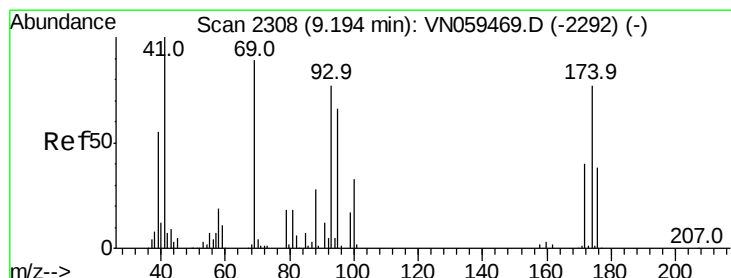
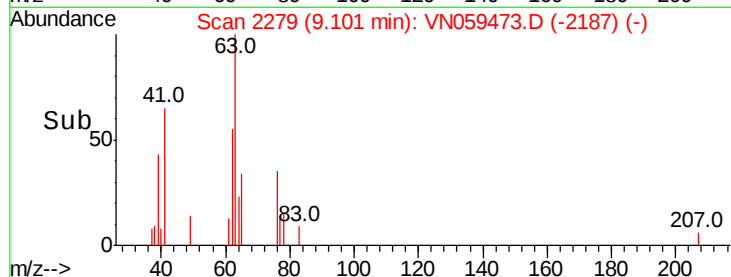
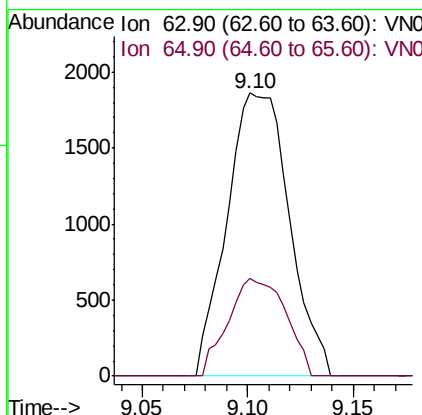
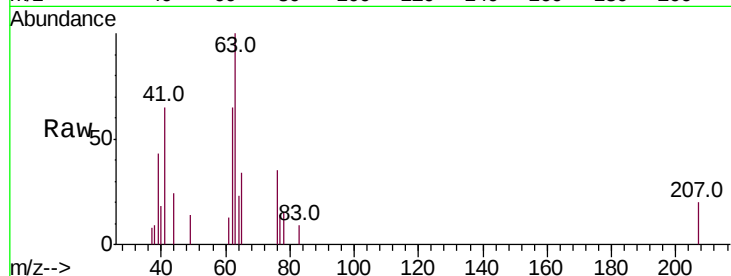




#45
 1,2-Dichloropropane
 Concen: 1.006 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

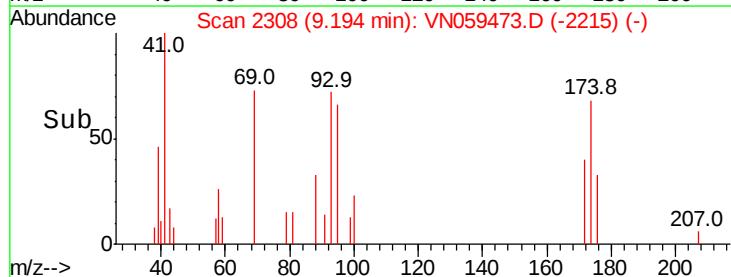
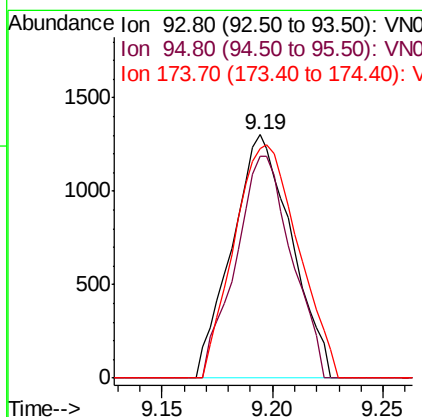
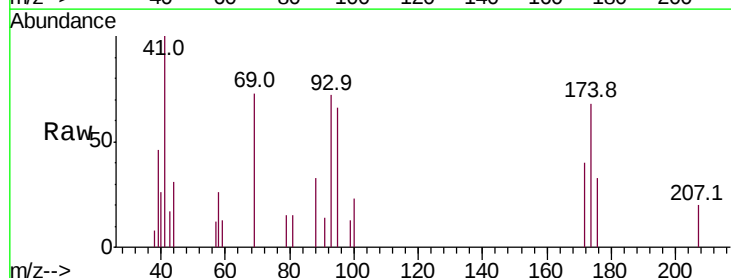
Instrument :
 MSVOA_N
 ClientSampleId :

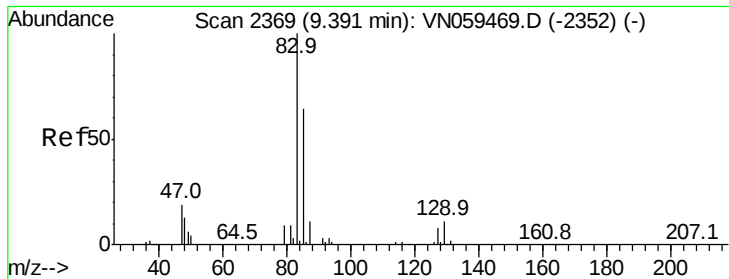
Tot Ion: 63 Resp: 3833
 Ion Ratio Lower Upper
 63 100
 65 34.4 24.4 36.6



#46
 Dibromomethane
 Concen: 1.037 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Tgt Ion: 93 Resp: 2442
 Ion Ratio Lower Upper
 93 100
 95 85.5 67.0 100.6
 174 103.2 79.6 119.4





#47

Bromodichloromethane

Concen: 1.007 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

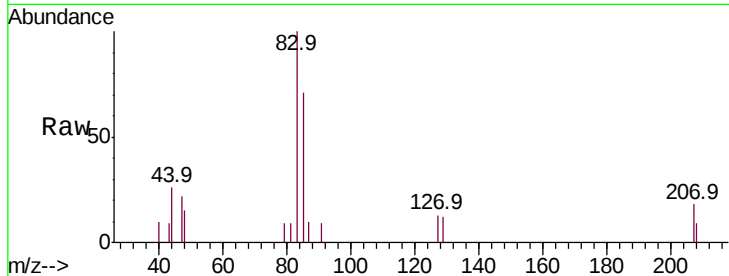
Tot Ion: 83 Resp: 4795

Ion Ratio Lower Upper

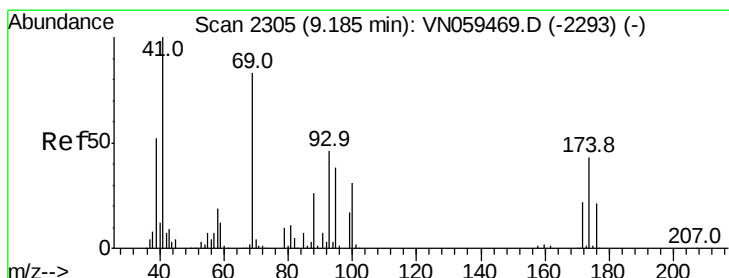
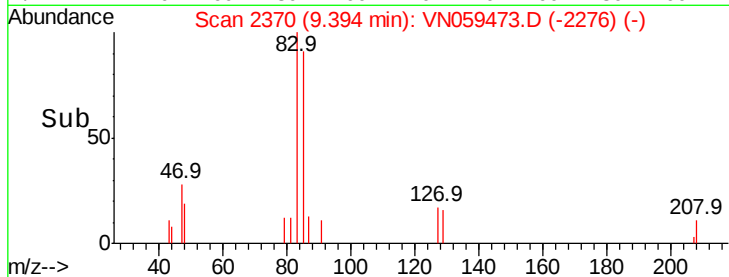
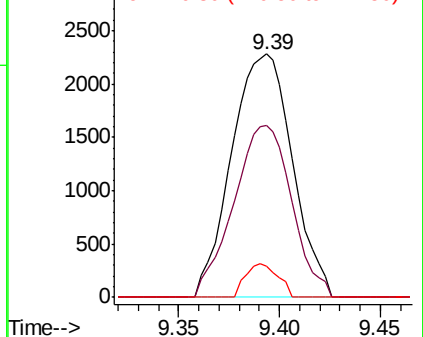
83 100

85 70.5 51.0 76.6

127 12.8 6.6 9.8#



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): V



#48

Methyl methacrylate

Concen: 1.033 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

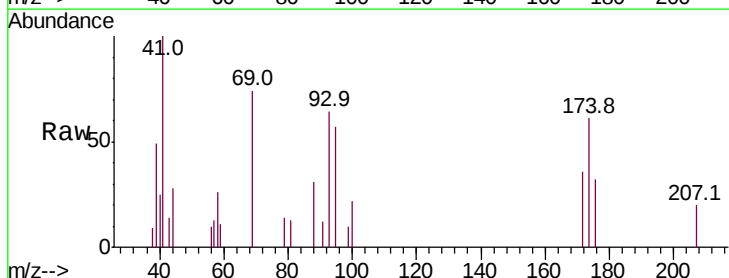
Tgt Ion: 41 Resp: 3667

Ion Ratio Lower Upper

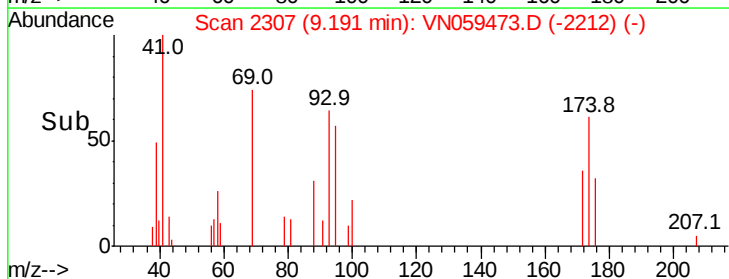
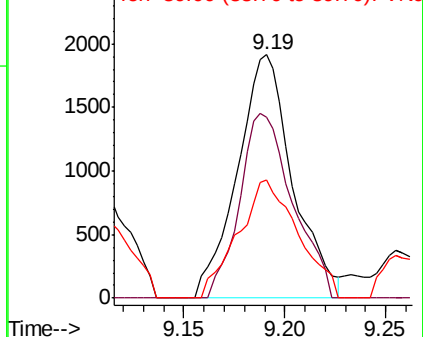
41 100

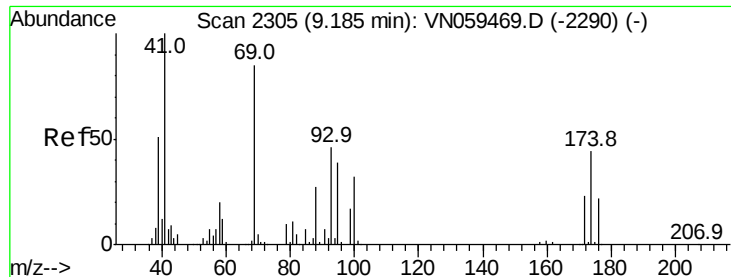
69 72.8 68.6 103.0

39 52.7 43.2 64.8



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: 25.373 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

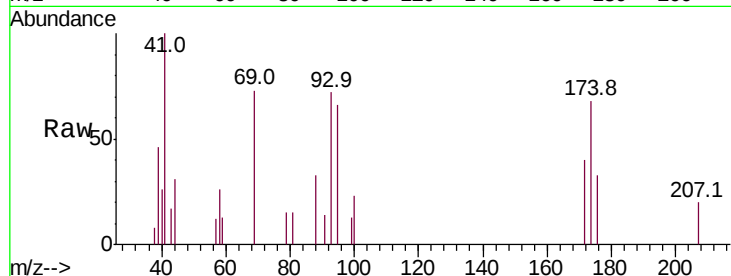
Tot Ion: 88 Resp: 1278

Ion Ratio Lower Upper

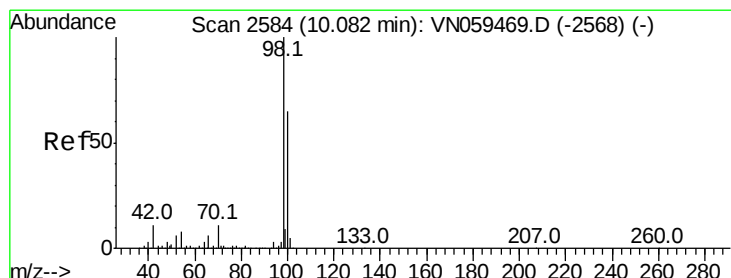
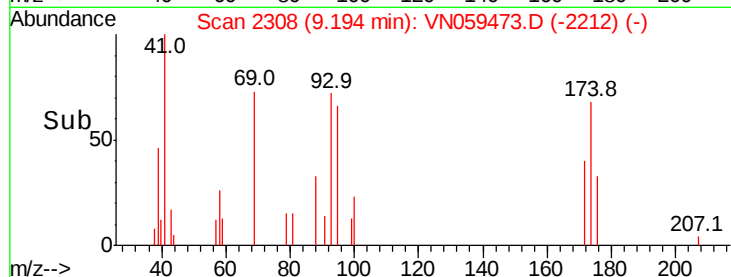
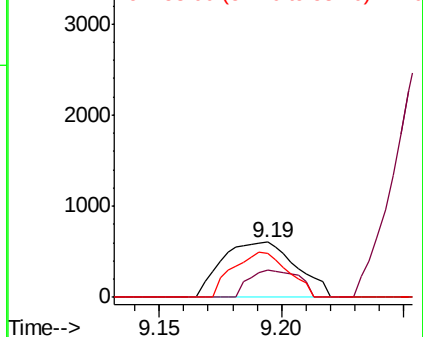
88 100

43 33.2 27.1 40.7

58 60.6 57.8 86.6



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



#50

Toluene-d8

Concen: 1.253 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN059473.D

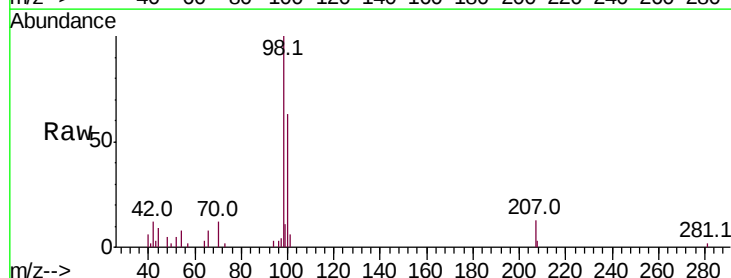
Acq: 3 Dec 2019 16:13

Tgt Ion: 98 Resp: 15413

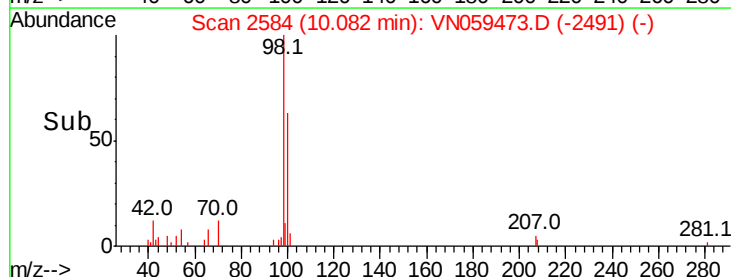
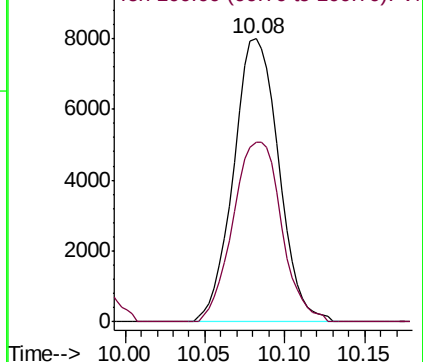
Ion Ratio Lower Upper

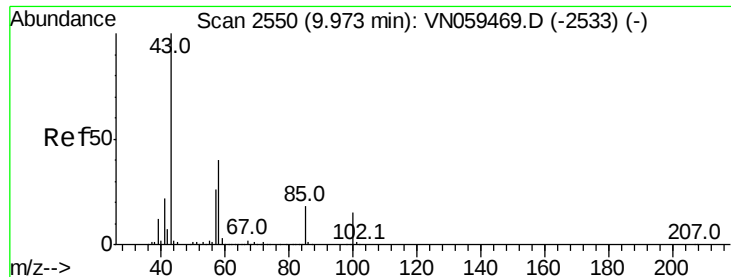
98 100

100 68.2 52.1 78.1



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

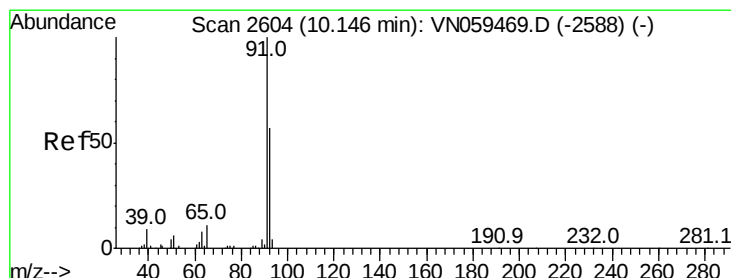
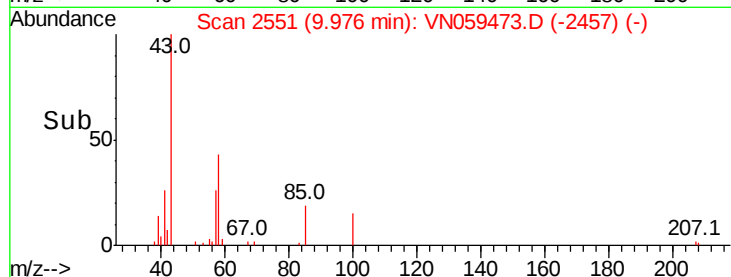
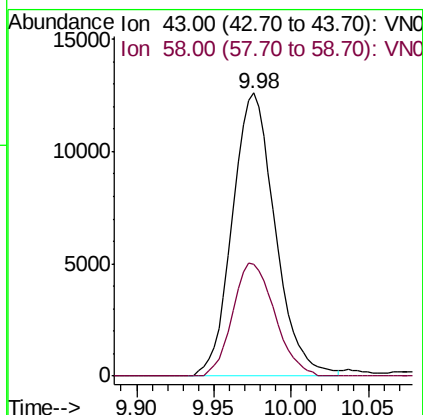
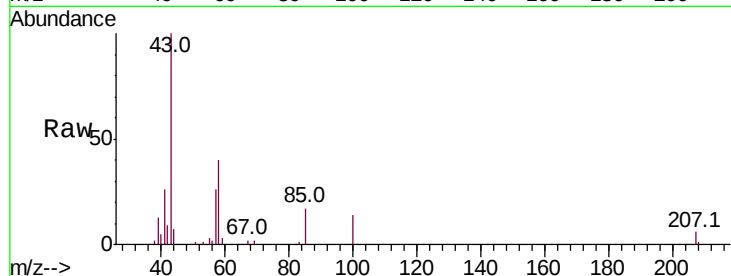




#51
 4-Methyl-2-Pentanone
 Concen: 5.197 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. 0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

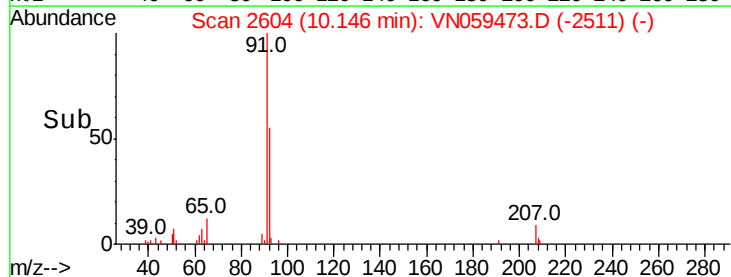
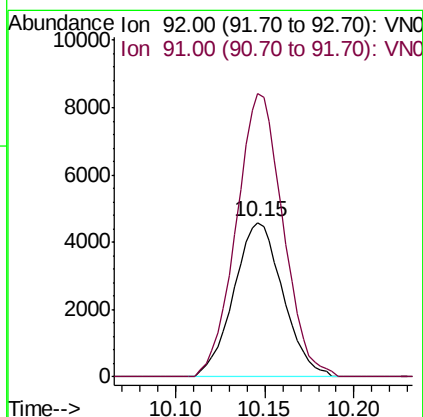
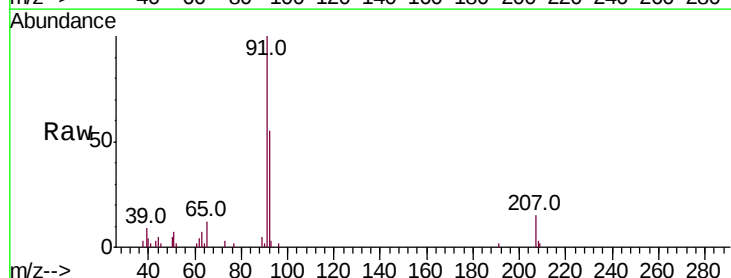
Instrument :
 MSVOA_N
 ClientSampled :

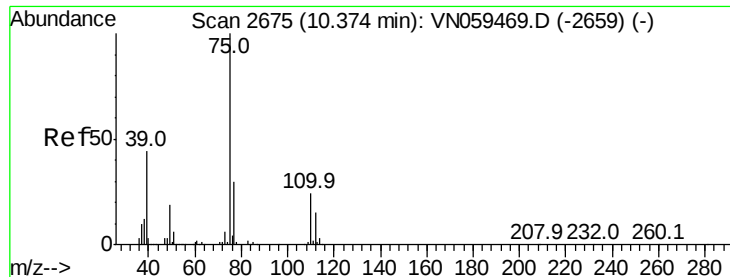
Tot Ion: 43 Resp: 24246
 Ion Ratio Lower Upper
 43 100
 58 39.1 32.1 48.1



#52
 Toluene
 Concen: 1.012 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Tgt Ion: 92 Resp: 8813
 Ion Ratio Lower Upper
 92 100
 91 174.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 1.088 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

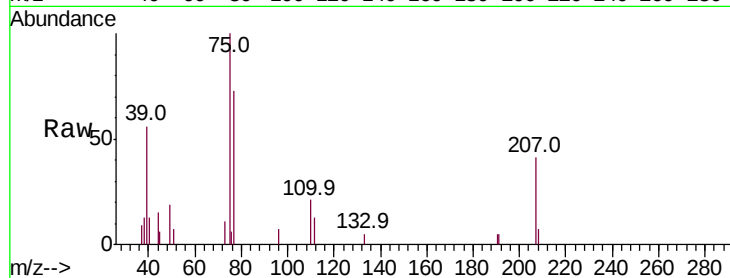
ClientSampled :

Tot Ion: 75 Resp: 5961

Ion Ratio Lower Upper

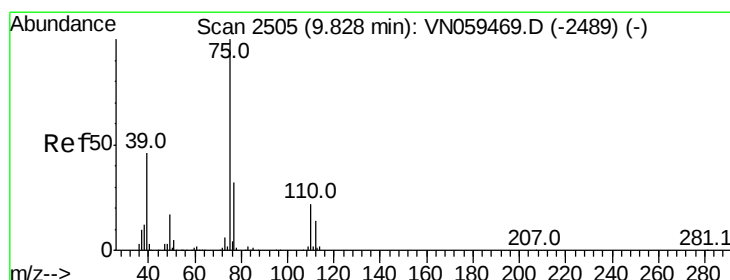
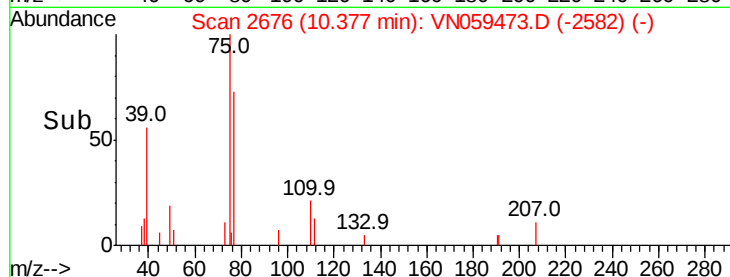
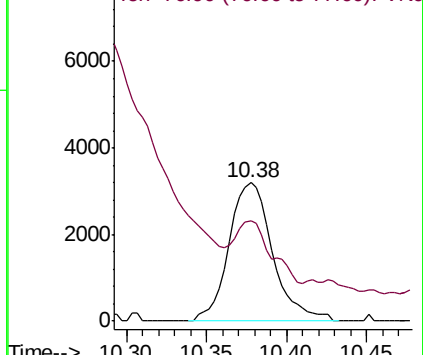
75 100

77 46.3 25.0 37.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.984 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

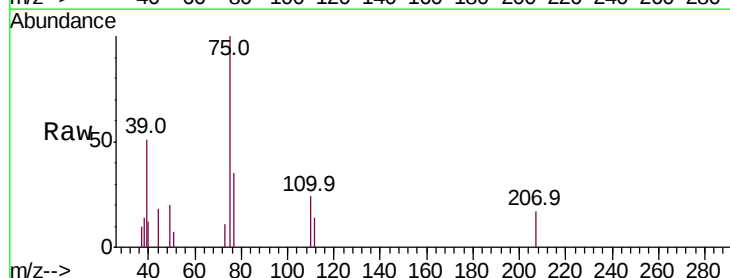
Tgt Ion: 75 Resp: 5797

Ion Ratio Lower Upper

75 100

77 35.1 25.7 38.5

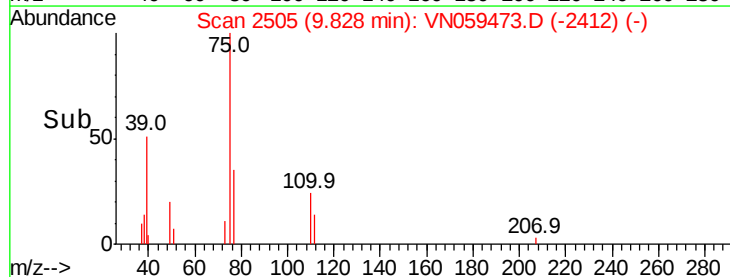
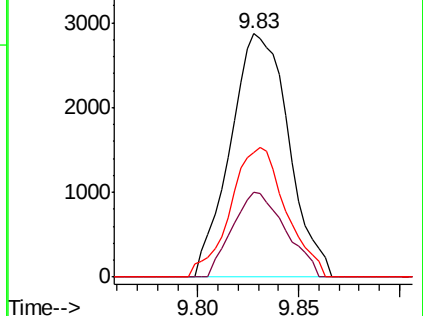
39 51.2 36.6 54.8

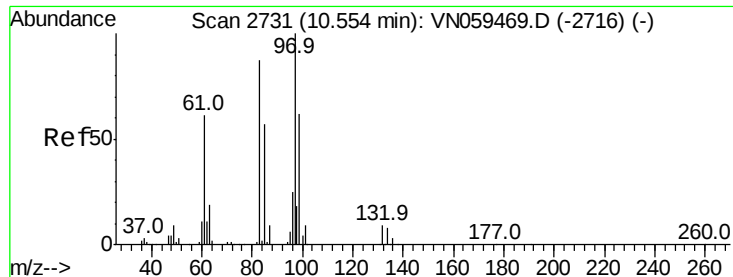


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 1.012 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 3462

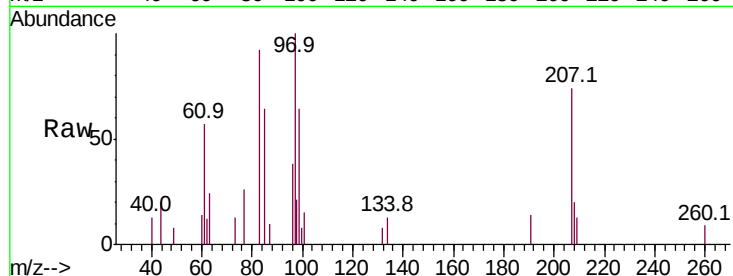
Ion Ratio Lower Upper

97 100

83 92.3 69.8 104.8

85 63.7 45.5 68.3

99 64.0 50.0 75.0

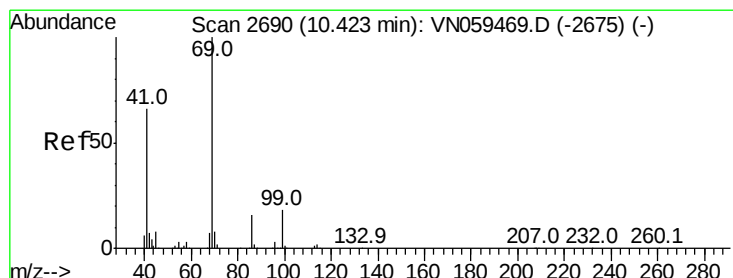
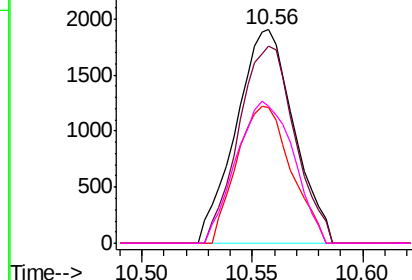
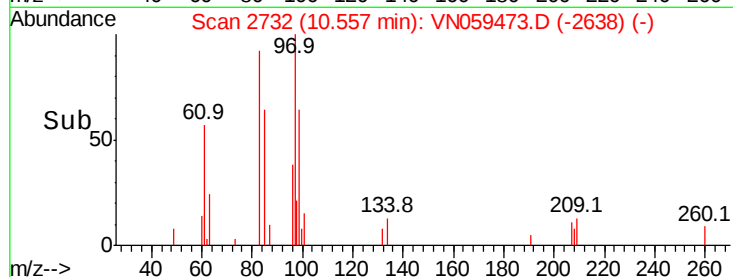


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.786 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

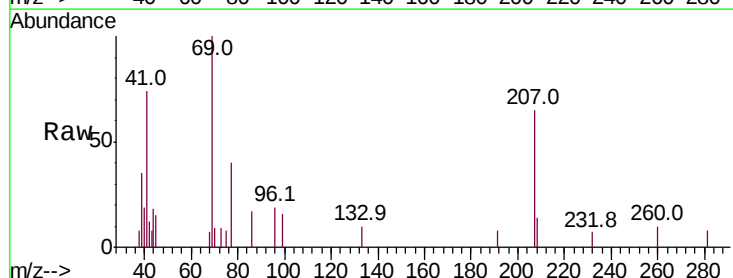
Tgt Ion: 69 Resp: 3927

Ion Ratio Lower Upper

69 100

41 80.5 52.7 79.1#

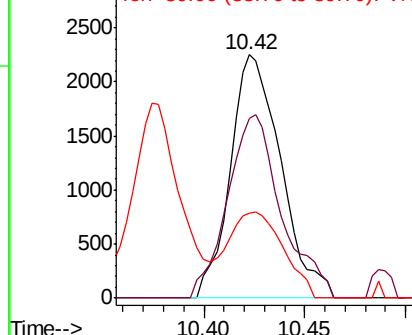
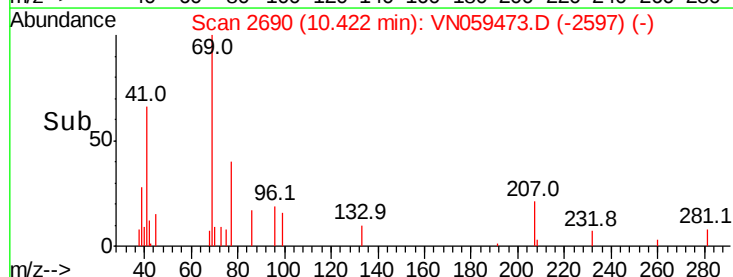
39 39.2 25.0 37.6#

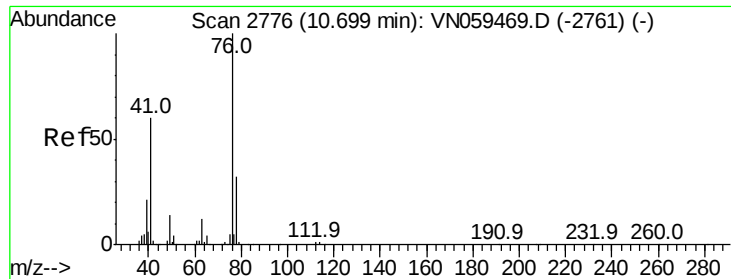


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 1.024 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

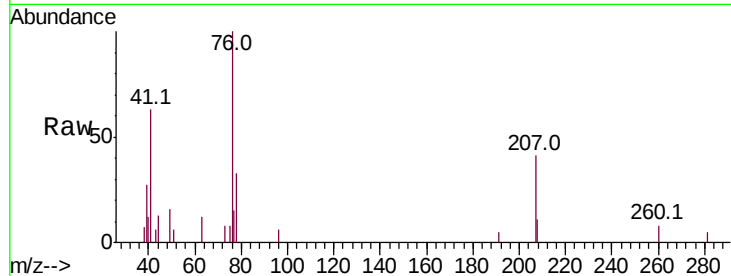
ClientSampleId :

Tot Ion: 76 Resp: 6036

Ion Ratio Lower Upper

76 100

78 35.1 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

3000

2000

1000

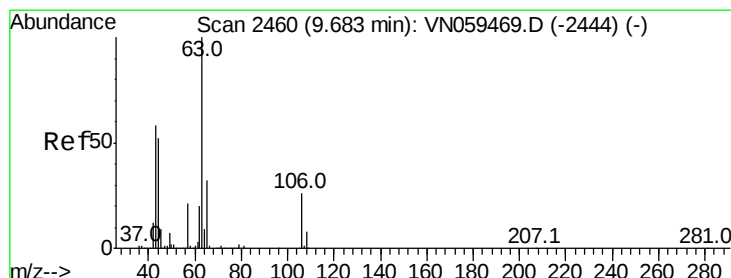
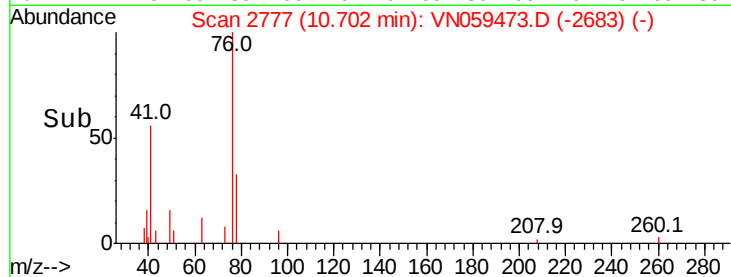
0

Time-->

10.65

10.70

10.75



#58

2-Chloroethyl Vinyl ether

Concen: 4.031 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.01 min

Lab File: VN059473.D

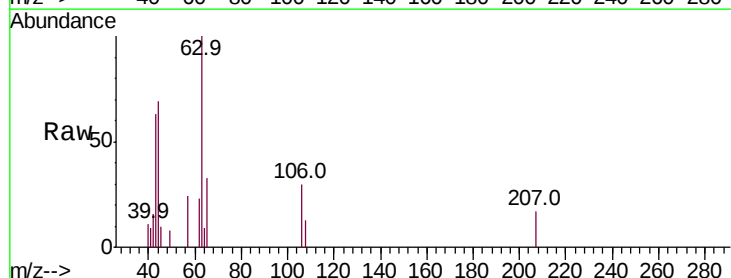
Acq: 3 Dec 2019 16:13

Tgt Ion: 63 Resp: 5808

Ion Ratio Lower Upper

63 100

106 27.7 20.4 30.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

3000

2000

1000

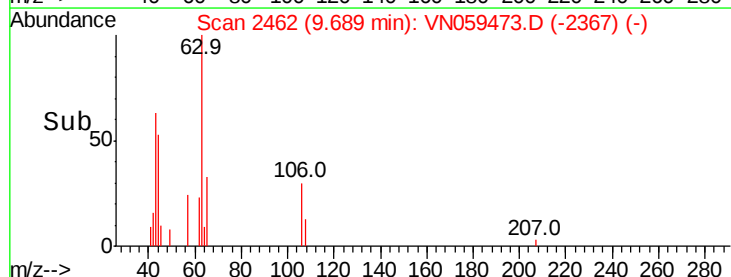
0

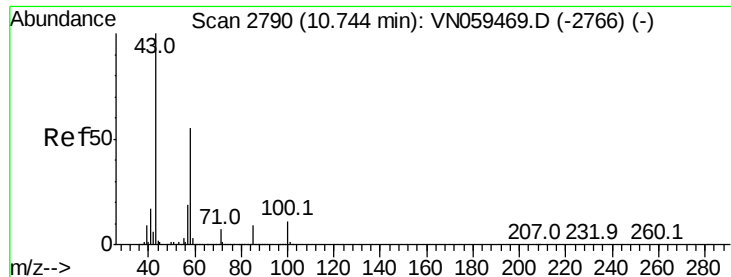
Time-->

9.65

9.70

9.75

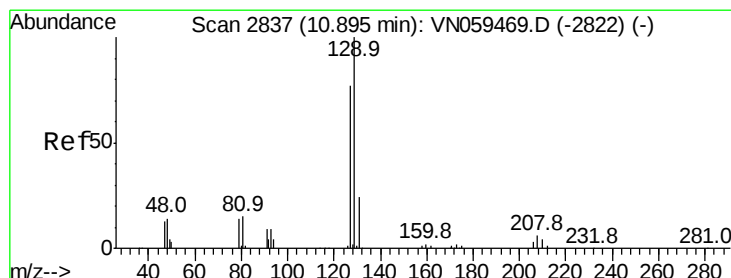
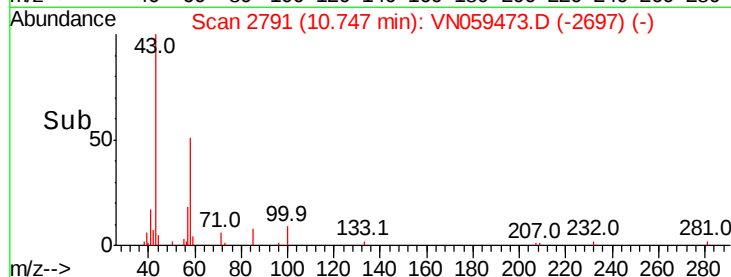
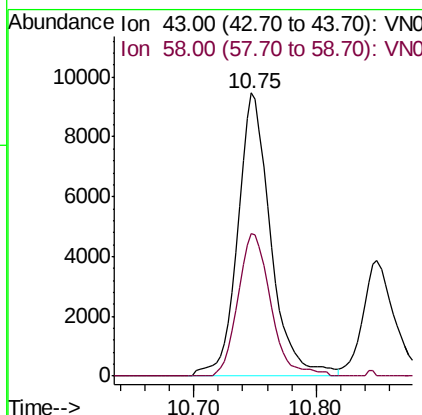
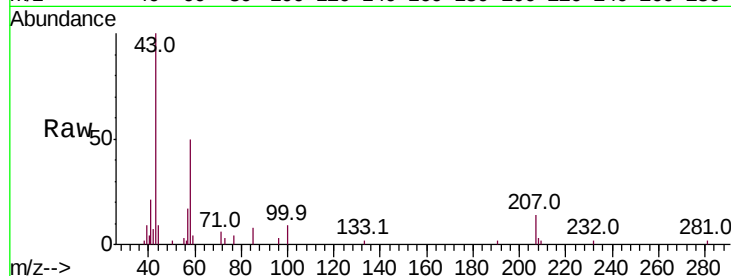




#59
2-Hexanone
Concen: 5.086 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

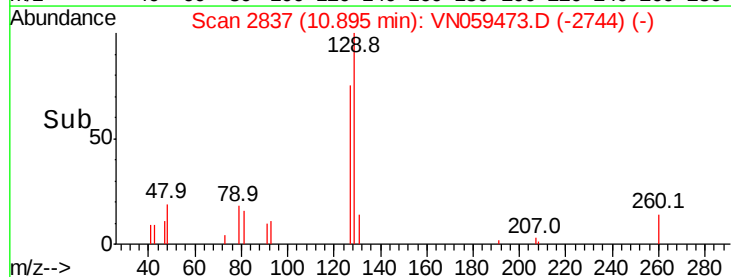
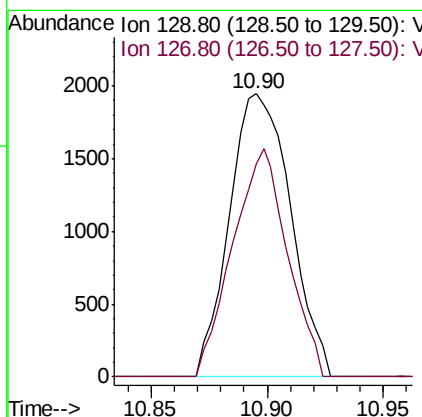
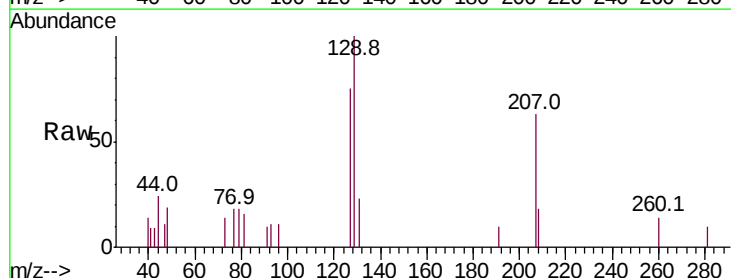
Instrument :
MSVOA_N
ClientSampleId :

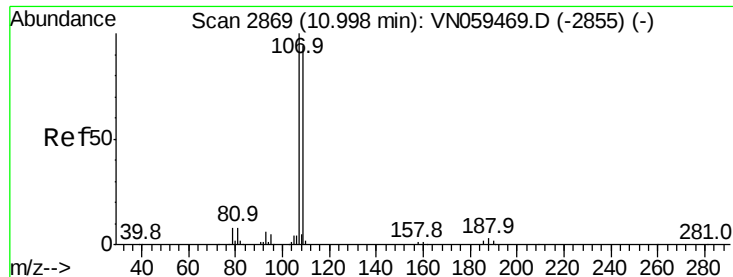
Tot Ion: 43 Resp: 17638
Ion Ratio Lower Upper
43 100
58 50.1 27.7 83.0



#60
Dibromochloromethane
Concen: 1.000 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 129 Resp: 3559
Ion Ratio Lower Upper
129 100
127 72.5 39.0 116.9

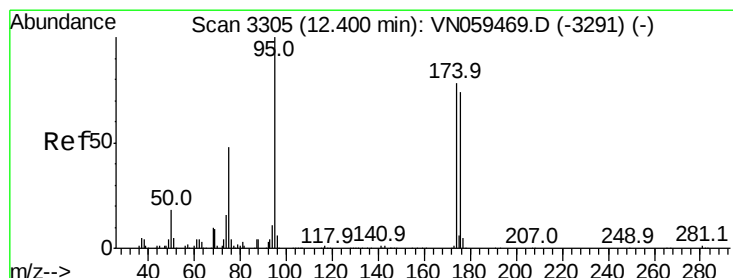
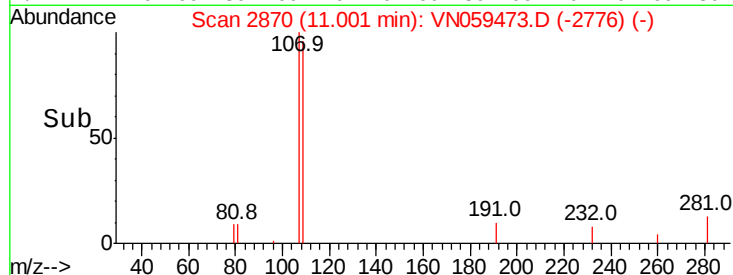
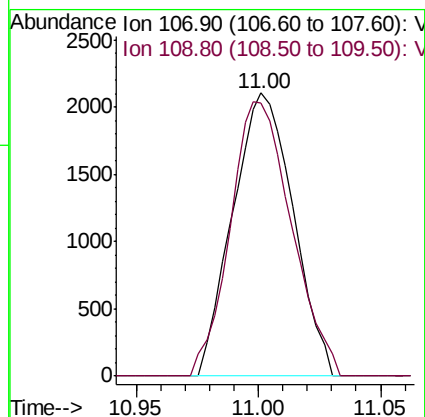
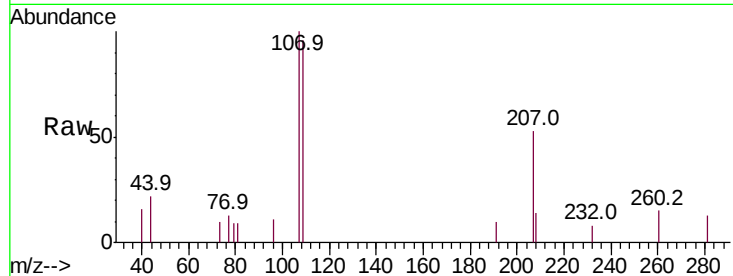




#61
 1,2-Dibromoethane
 Concen: 1.030 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

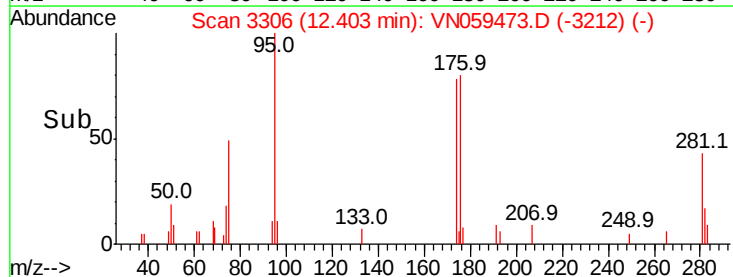
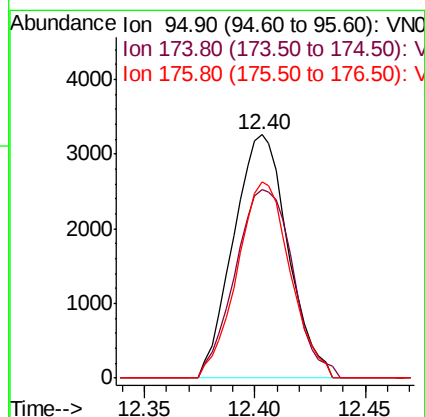
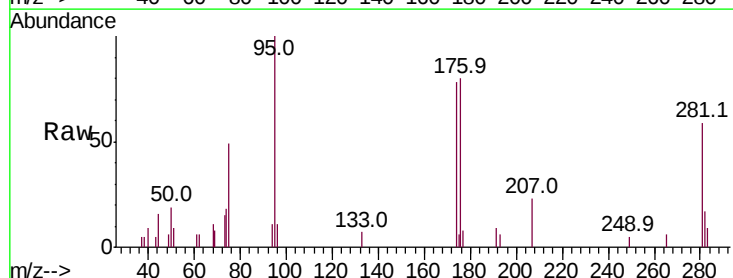
Instrument :
 MSVOA_N
 ClientSampleId :

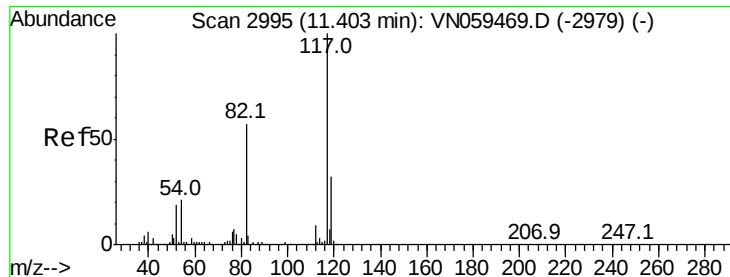
Tot Ion:107 Resp: 3612
 Ion Ratio Lower Upper
 107 100
 109 98.3 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 1.299 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Tgt Ion: 95 Resp: 5571
 Ion Ratio Lower Upper
 95 100
 174 82.0 0.0 157.0
 176 78.7 0.0 152.4

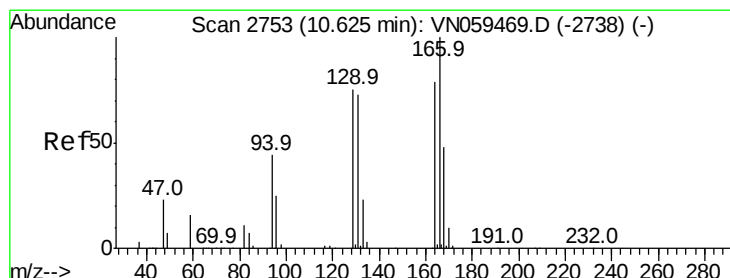
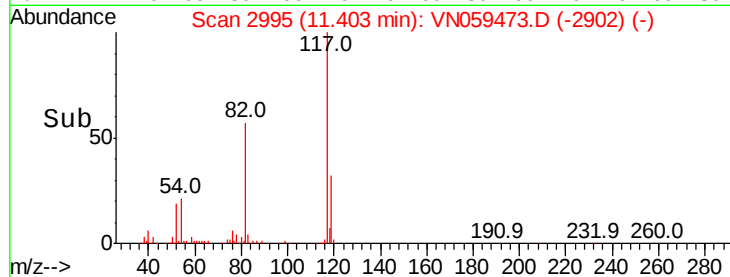
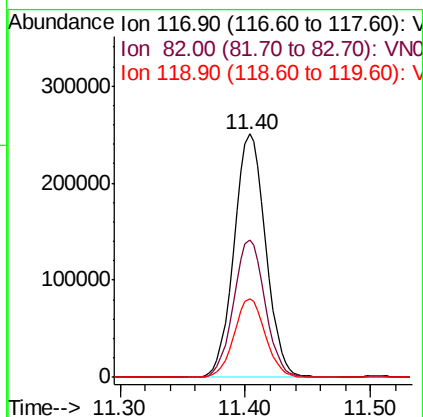
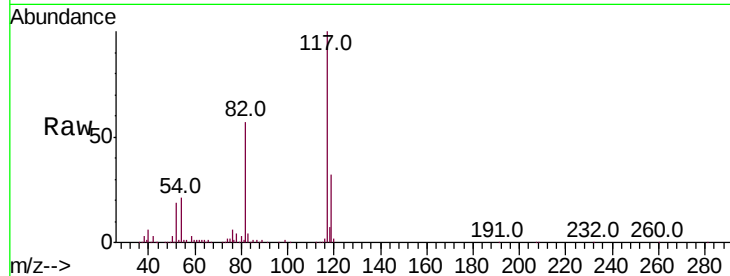




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

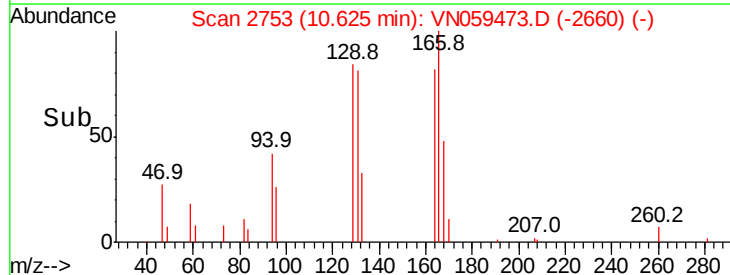
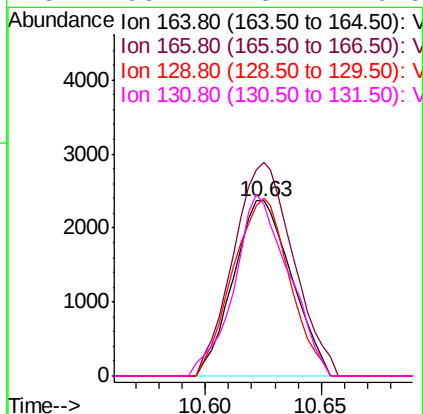
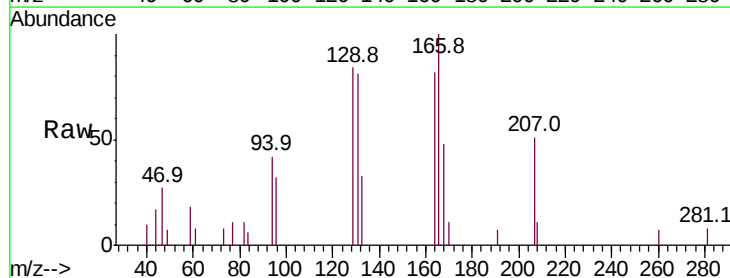
Instrument :
MSVOA_N
ClientSampleId :

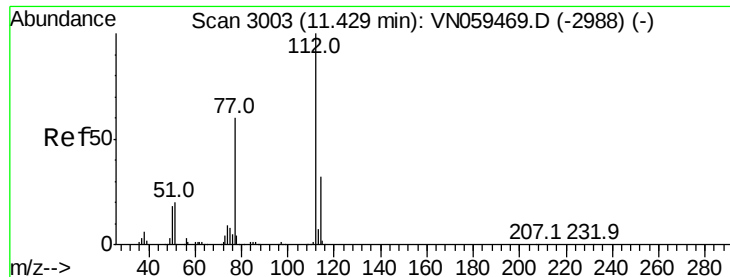
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.8	68.8
119	32.4	25.4	38.0



#64
Tetrachloroethene
Concen: 1.253 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	101.2	151.8
129	101.9	76.1	114.1
131	98.2	73.7	110.5





#65

Chlorobenzene

Concen: 1.135 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

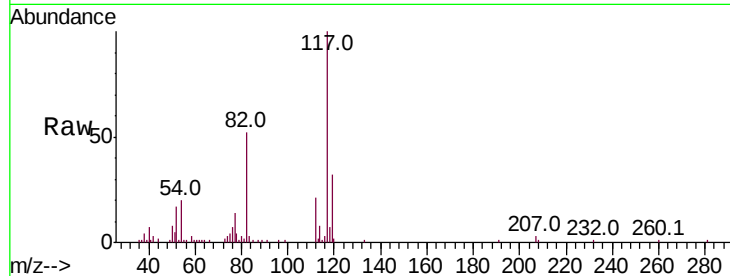
ClientSampleId :

Tot Ion:112 Resp: 10199

Ion Ratio Lower Upper

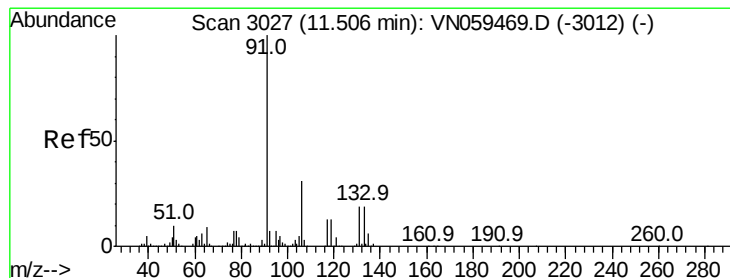
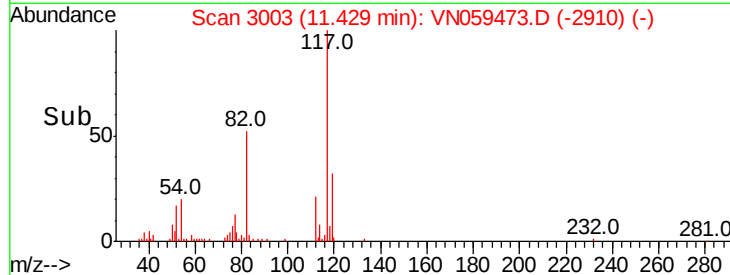
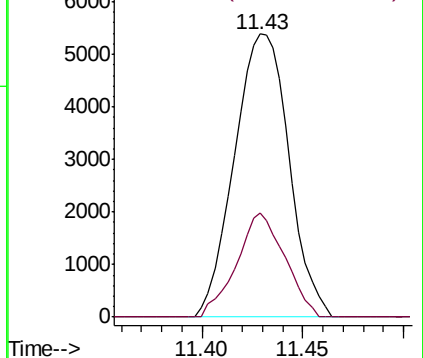
112 100

114 36.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.962 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

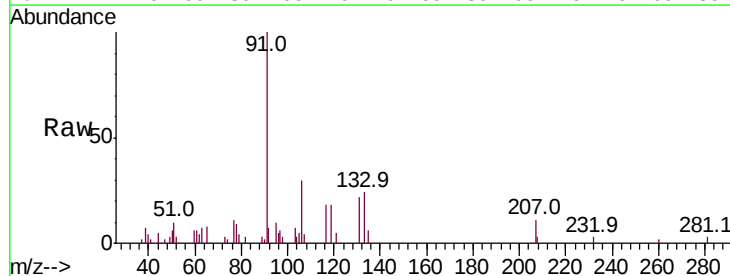
Tgt Ion:131 Resp: 3137

Ion Ratio Lower Upper

131 100

133 121.7 48.0 144.0

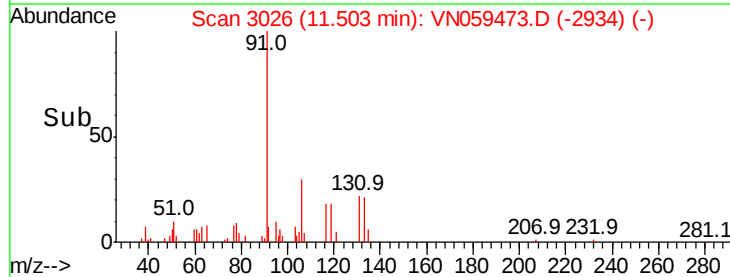
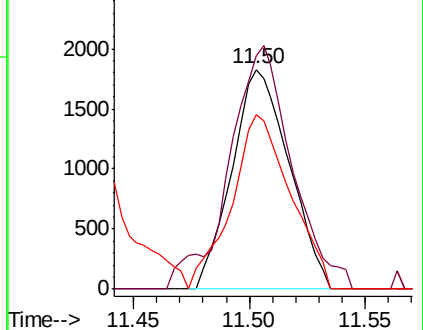
119 0.0 33.9 101.6#

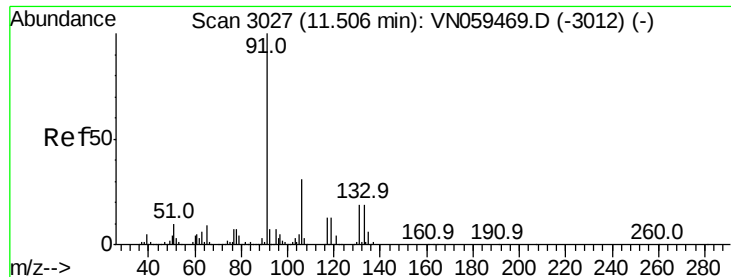


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 1.022 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

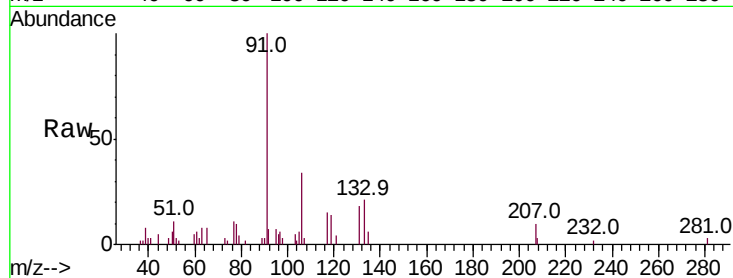
ClientSampled :

Tot Ion: 91 Resp: 16165

Ion Ratio Lower Upper

91 100

106 34.0 24.7 37.1



Abundance Ion 91.00 (90.70 to 91.70): VN059469.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN059469.D (-3012) (-)

11.51

10000

8000

6000

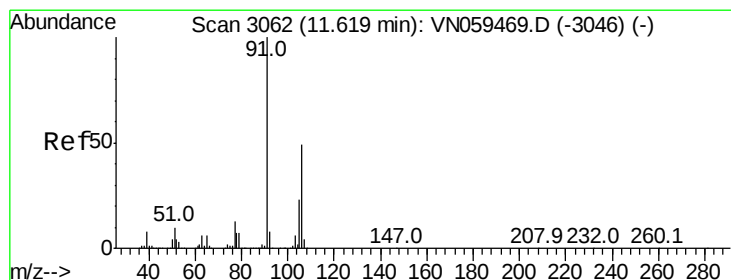
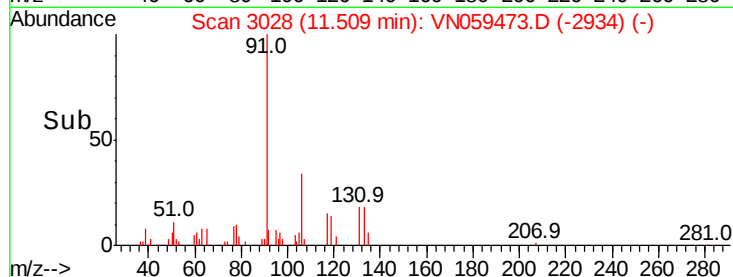
4000

2000

0

Time-->

11.45 11.50 11.55



#68

m/p-Xylenes

Concen: 1.981 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059473.D

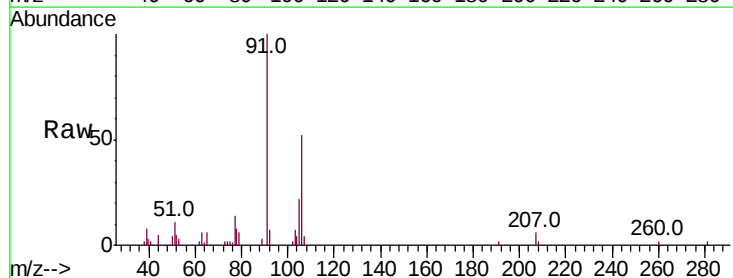
Acq: 3 Dec 2019 16:13

Tgt Ion: 106 Resp: 11730

Ion Ratio Lower Upper

106 100

91 212.5 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): VN059469.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN059469.D (-3046) (-)

11.62

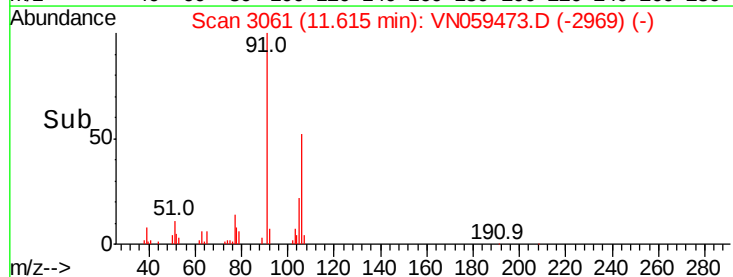
10000

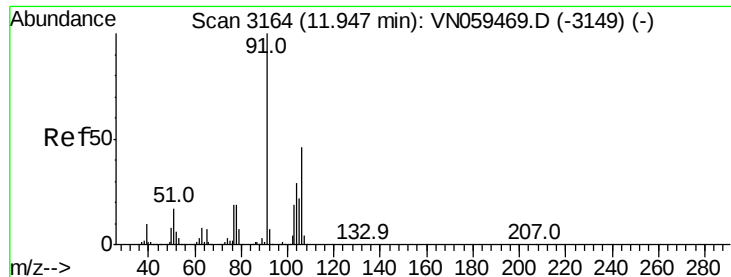
5000

0

Time-->

11.55 11.60 11.65

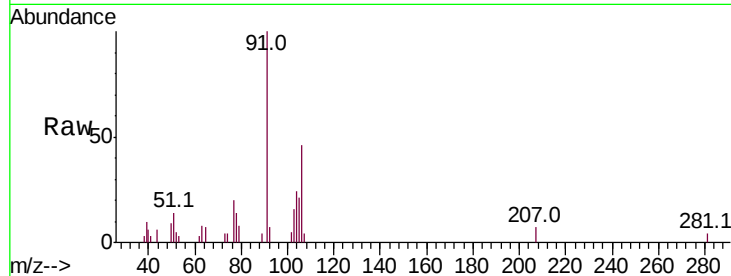




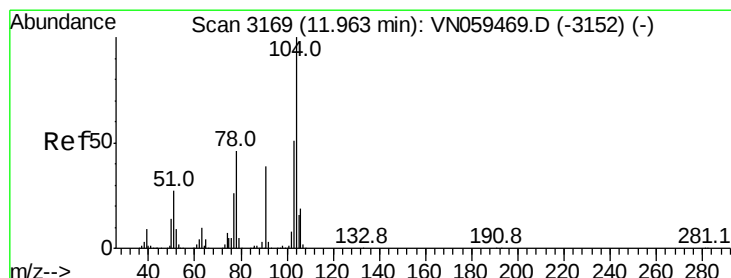
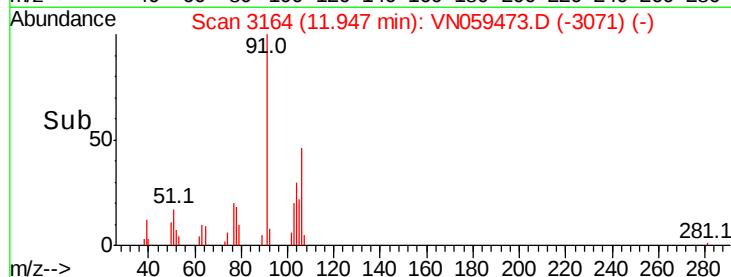
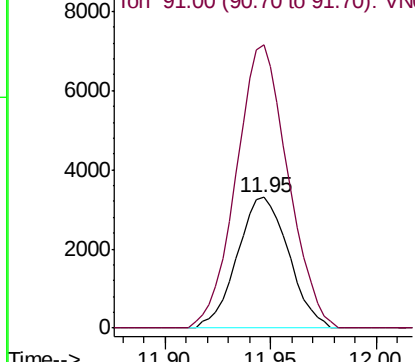
#69
o-Xylene
Concen: 0.989 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 5593
Ion Ratio Lower Upper
106 100
91 217.8 108.5 325.3

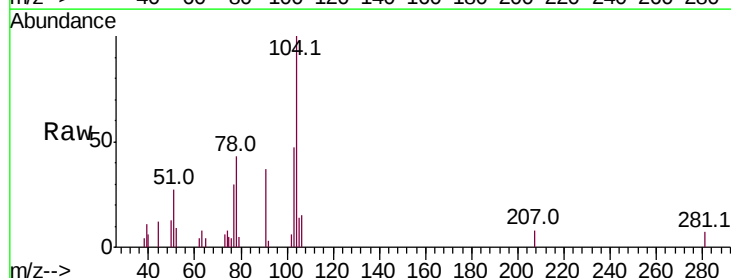


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

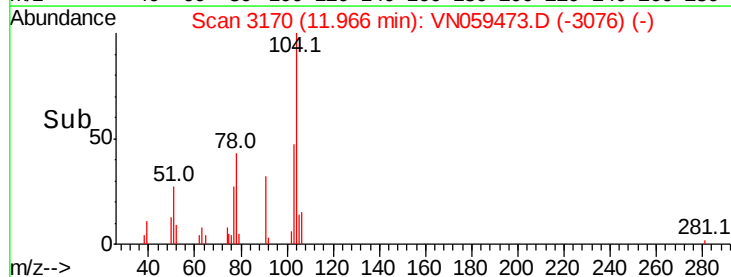
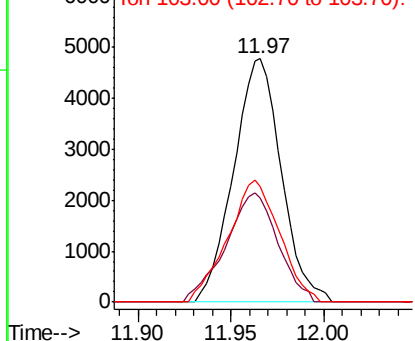


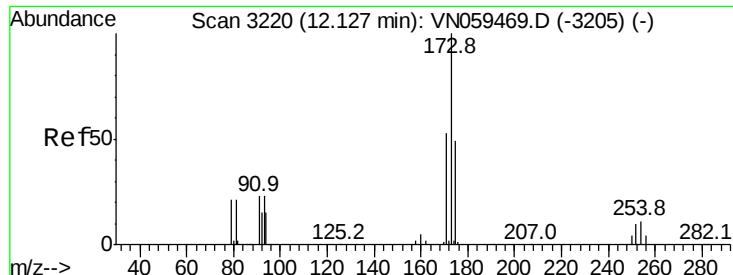
#70
Styrene
Concen: 0.963 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion:104 Resp: 8542
Ion Ratio Lower Upper
104 100
78 49.1 41.0 61.4
103 54.3 44.7 67.1



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





#71

Bromoform

Concen: 0.957 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

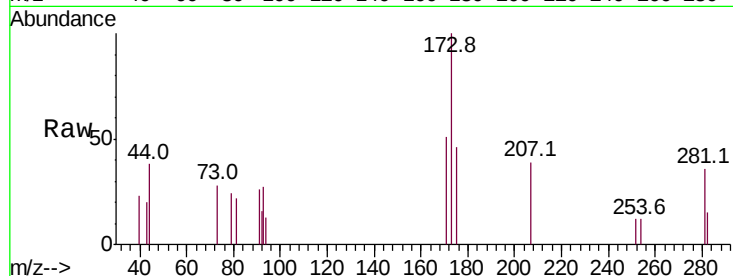
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:173 Resp: 2388

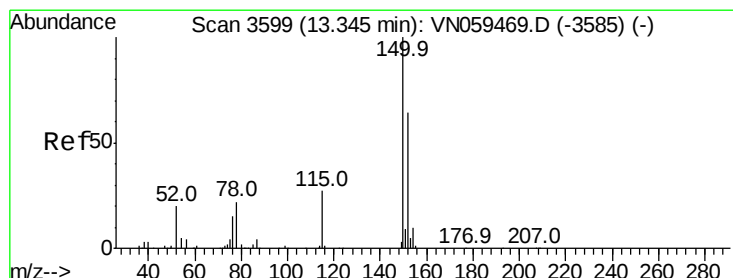
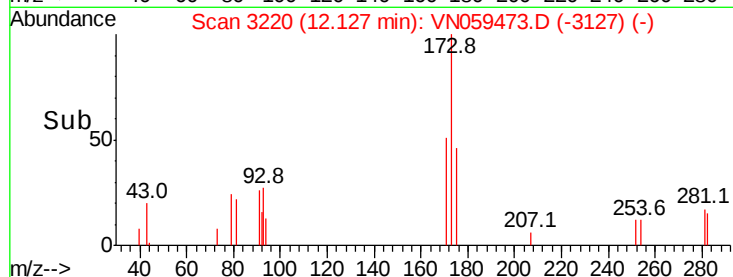
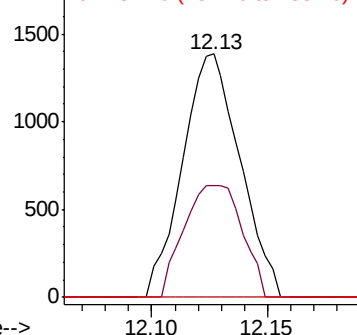
Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.3	73.0
254	0.0	0.0	0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

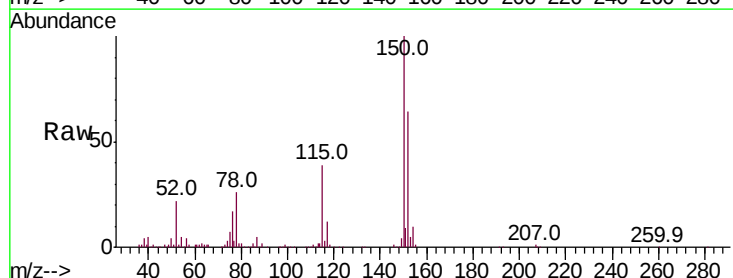
Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Tgt Ion:152 Resp: 171994

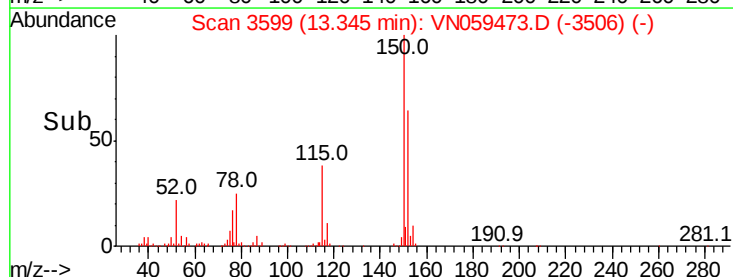
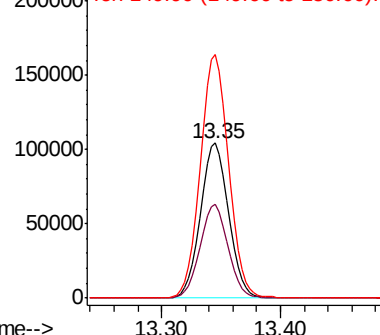
Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.2	87.6
150	156.4	0.0	352.8

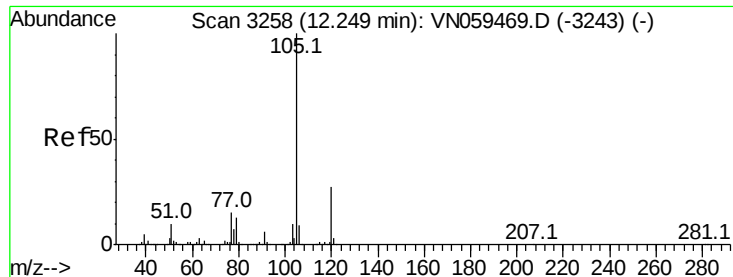


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.128 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

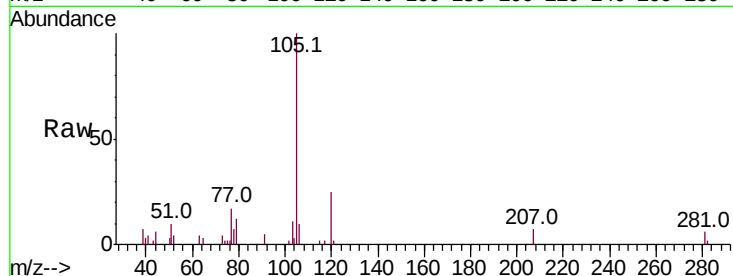
ClientSampleId :

Tot Ion:105 Resp: 14557

Ion Ratio Lower Upper

105 100

120 25.4 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10000

8000

6000

4000

2000

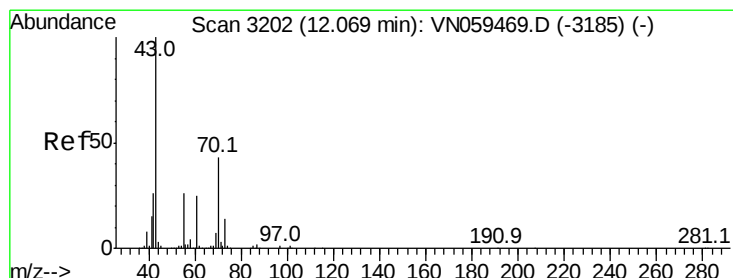
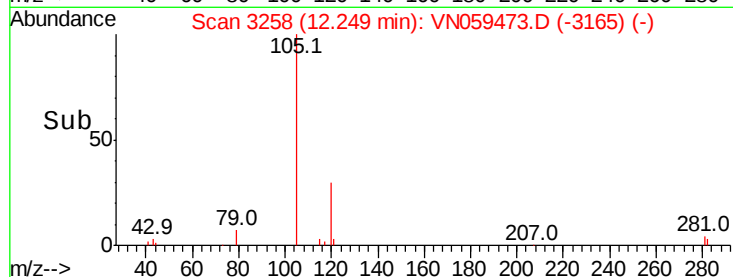
0

Time-->

12.20

12.25

12.30



#74

N-ethyl acetate

Concen: 1.082 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Tgt Ion: 43 Resp: 5332

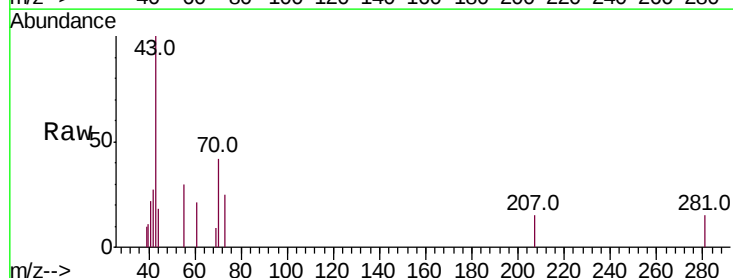
Ion Ratio Lower Upper

43 100

70 32.7 34.2 51.2#

55 25.5 20.6 31.0

61 17.2 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

4000

3000

2000

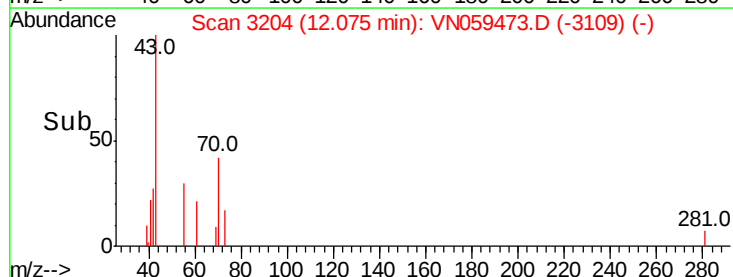
1000

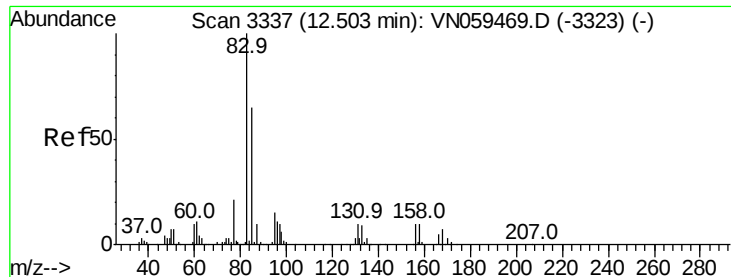
0

Time-->

12.05

12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 1.078 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

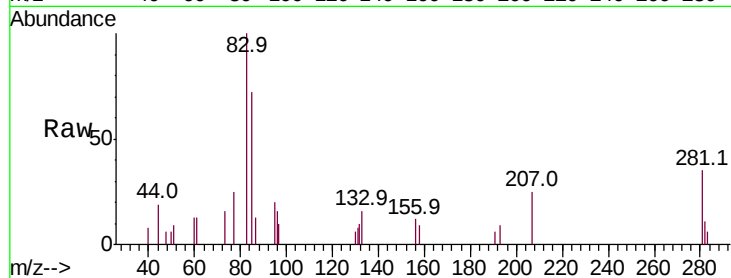
Tot Ion: 83 Resp: 4564

Ion Ratio Lower Upper

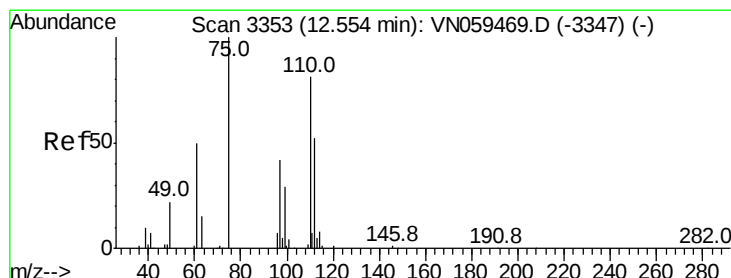
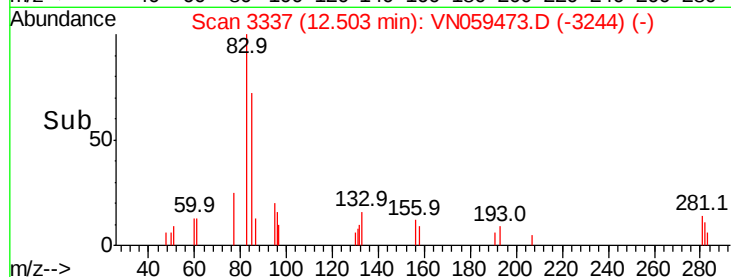
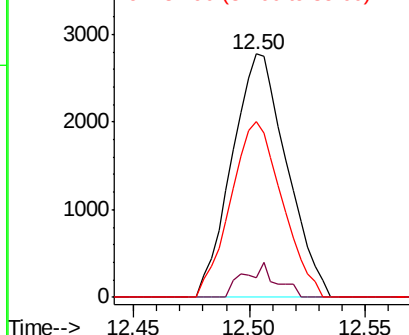
83 100

131 8.3 4.9 14.7

85 67.7 32.2 96.6



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 1.724 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059473.D

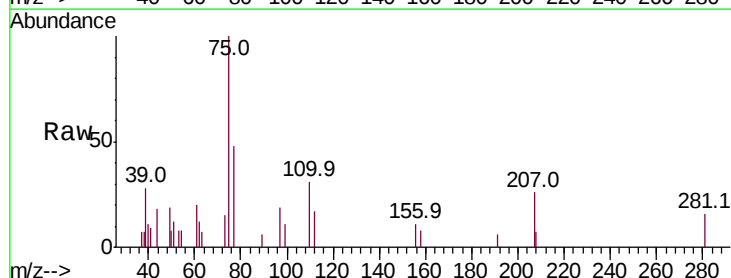
Acq: 3 Dec 2019 16:13

Tgt Ion: 75 Resp: 6892

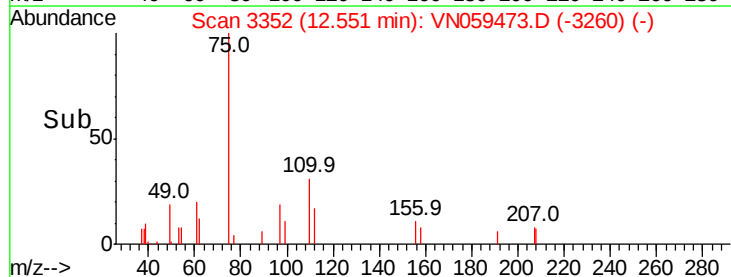
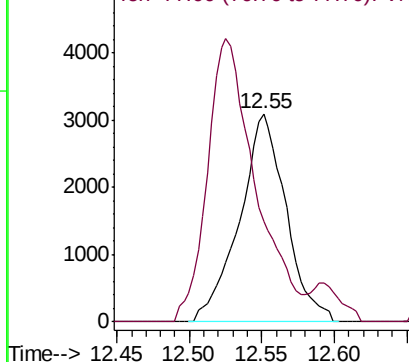
Ion Ratio Lower Upper

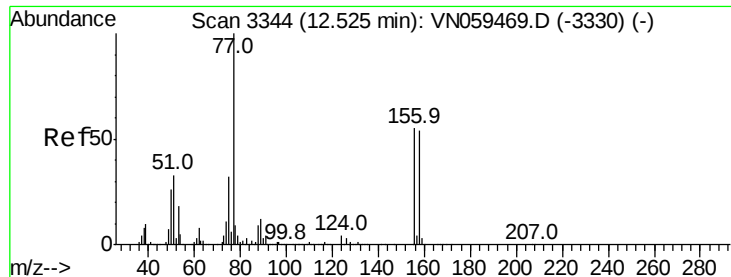
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 1.249 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

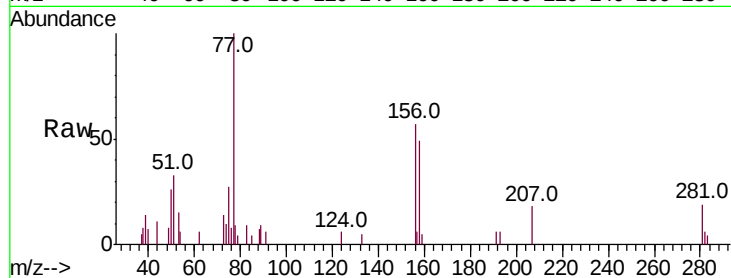
Tot Ion:156 Resp: 3944

Ion Ratio Lower Upper

156 100

77 247.4 110.3 331.0

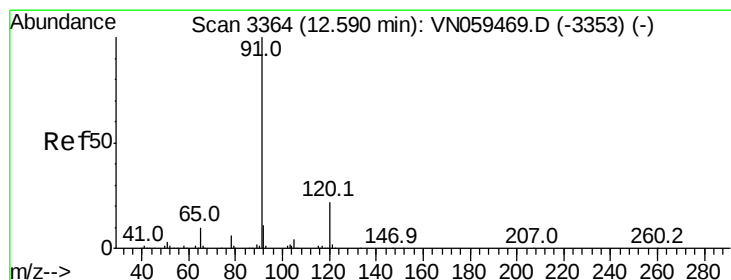
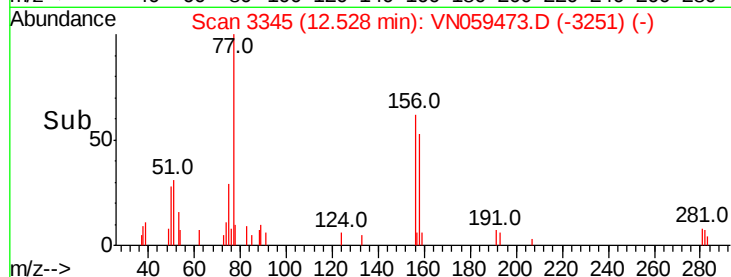
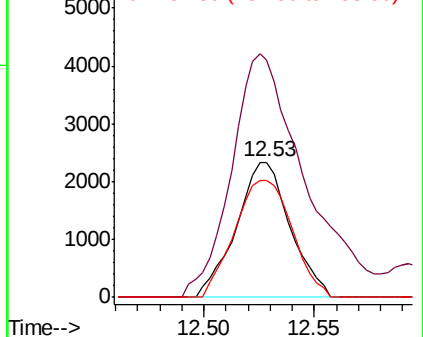
158 92.7 48.5 145.5



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: 1.136 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN059473.D

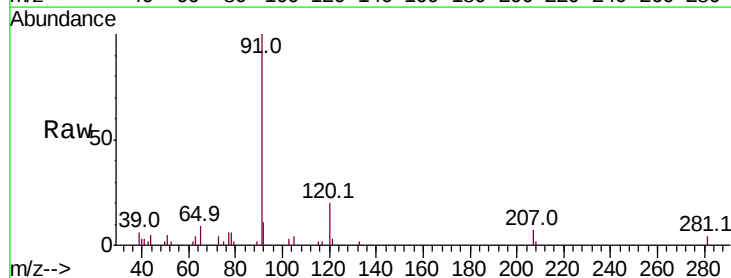
Acq: 3 Dec 2019 16:13

Tgt Ion: 91 Resp: 16936

Ion Ratio Lower Upper

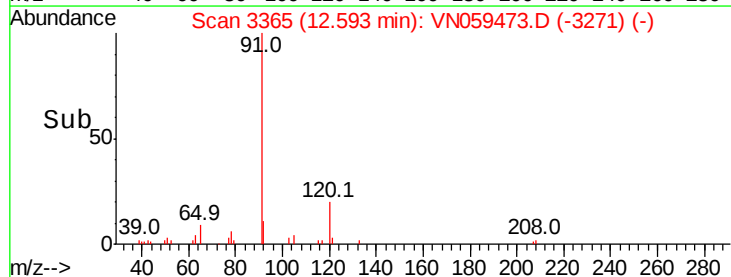
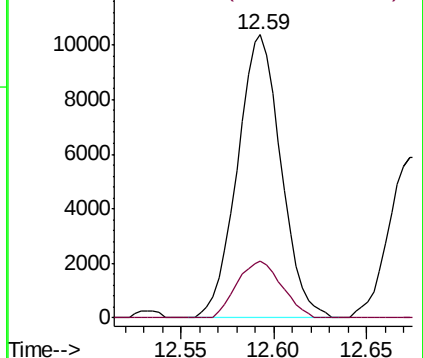
91 100

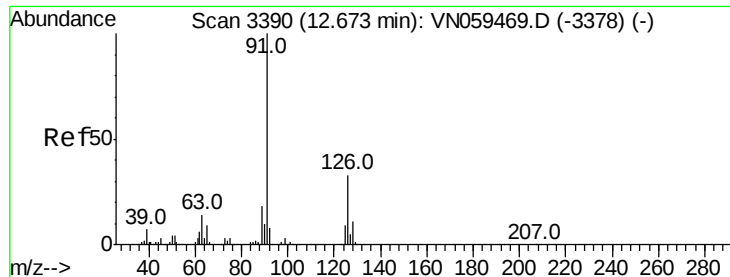
120 20.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.175 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

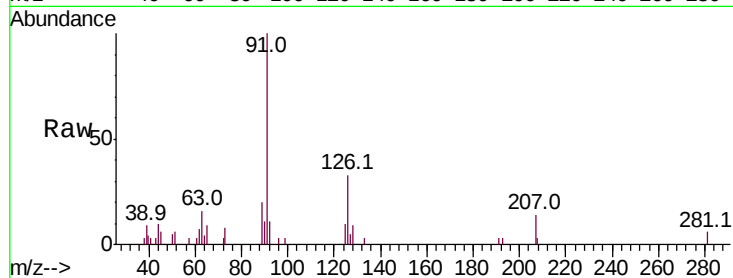
ClientSampleId :

Tot Ion: 91 Resp: 10461

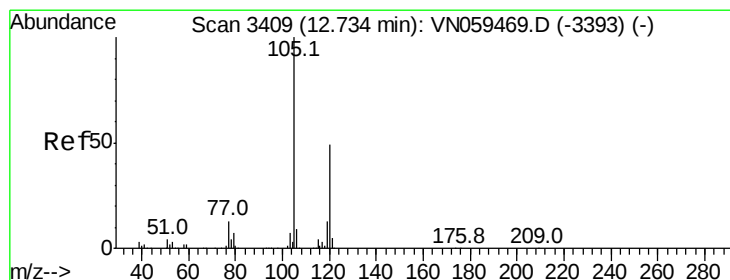
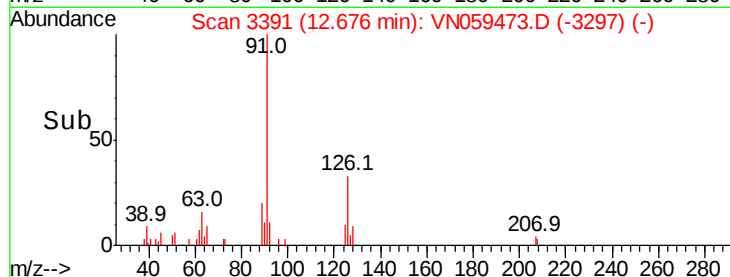
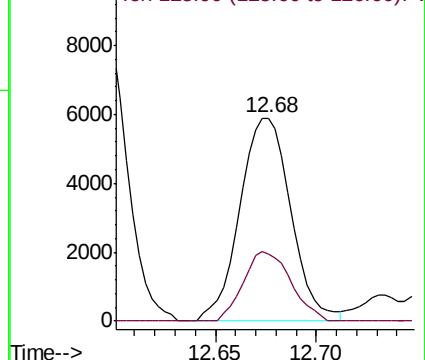
Ion Ratio Lower Upper

91 100

126 31.9 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN059473.D (-3391) (-)



#80

1,3,5-Trimethylbenzene

Concen: 1.084 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059473.D

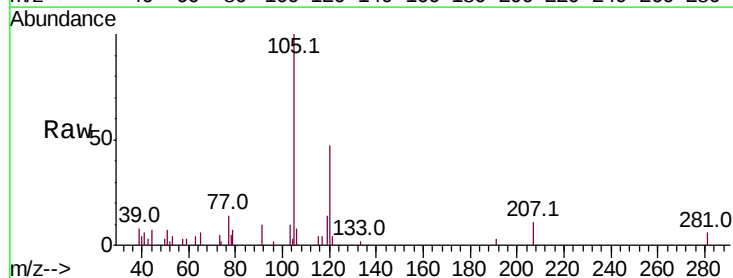
Acq: 3 Dec 2019 16:13

Tgt Ion:105 Resp: 11751

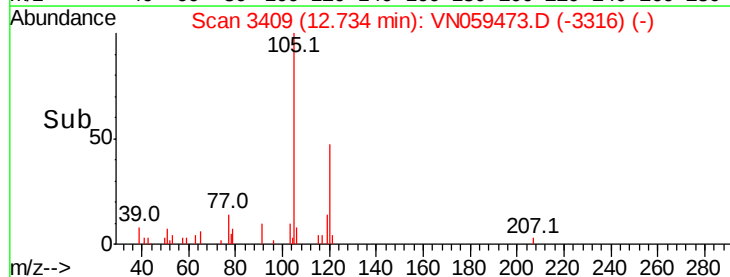
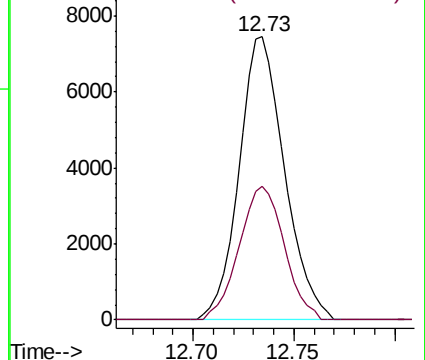
Ion Ratio Lower Upper

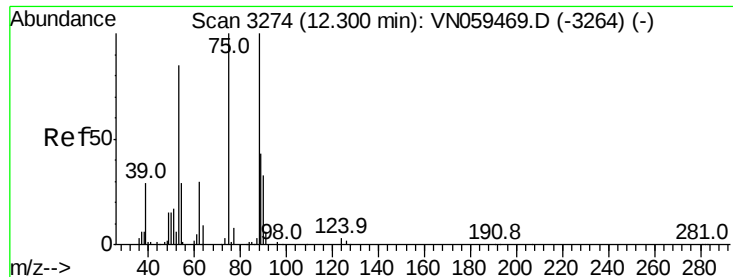
105 100

120 46.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN059473.D (-3409) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 1.035 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

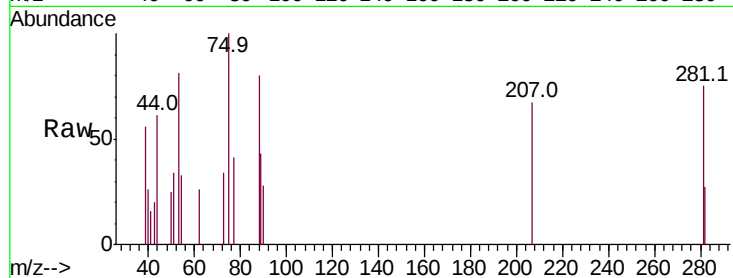
Tot Ion: 75 Resp: 1602

Ion Ratio Lower Upper

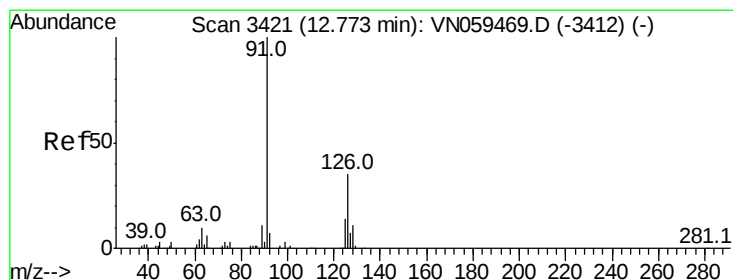
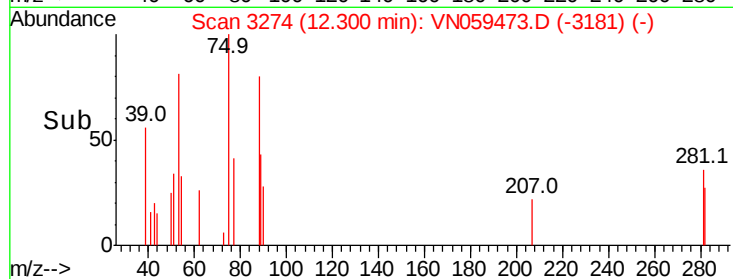
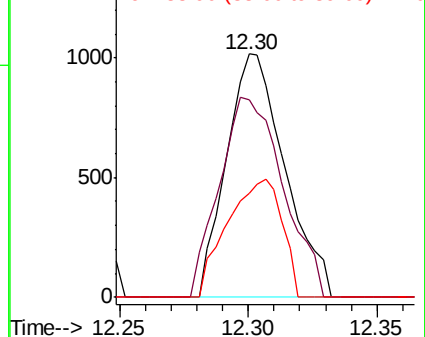
75 100

53 90.0 69.8 104.6

89 45.6 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 53.00 (52.70 to 53.70): VNO
Ion 88.90 (88.60 to 89.60): VNO



#82

4-Chlorotoluene

Concen: 1.224 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN059473.D

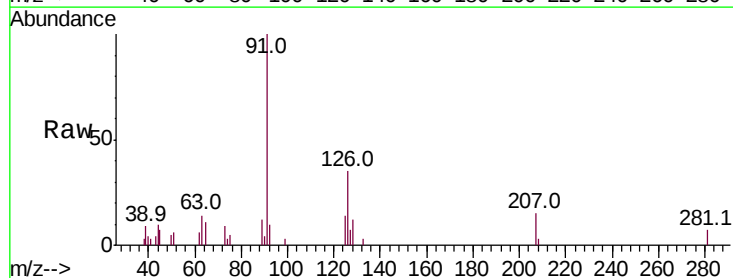
Acq: 3 Dec 2019 16:13

Tgt Ion: 91 Resp: 11226

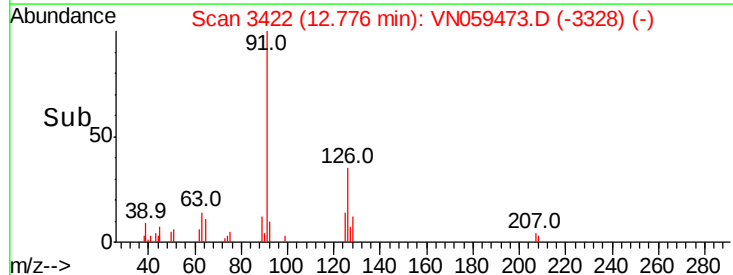
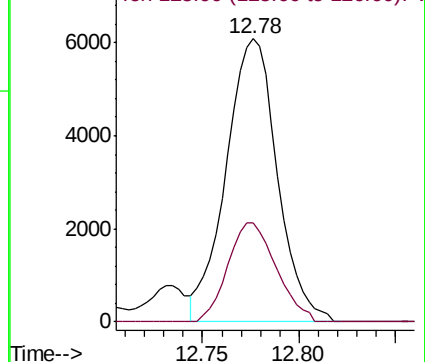
Ion Ratio Lower Upper

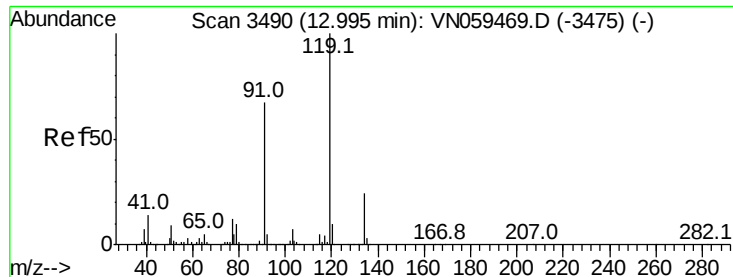
91 100

126 32.9 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.169 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

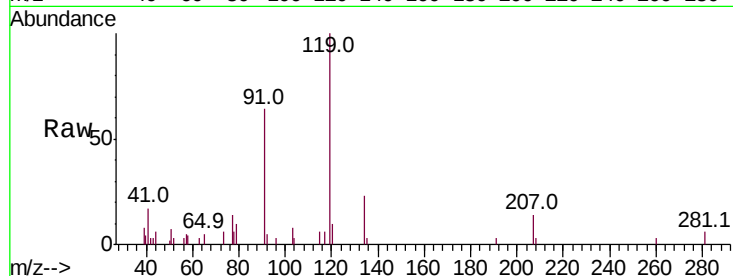
Tot Ion:119 Resp: 10916

Ion Ratio Lower Upper

119 100

91 65.2 32.6 97.7

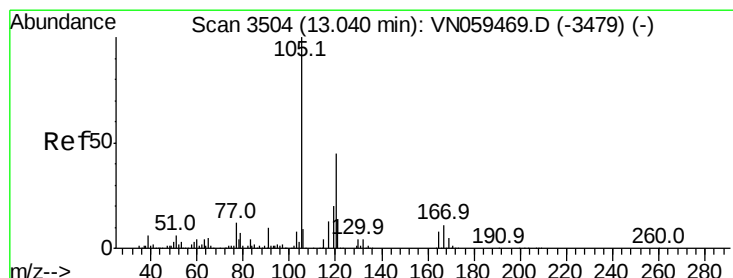
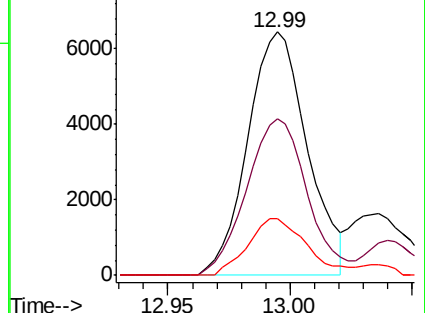
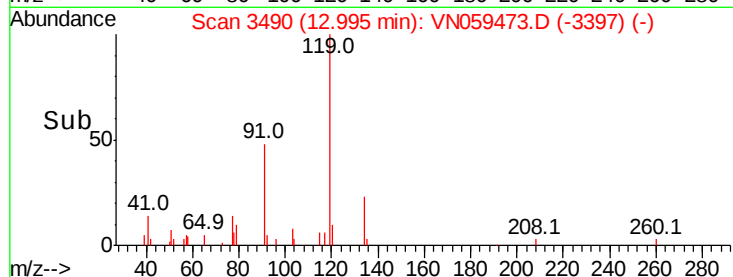
134 23.2 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.057 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN059473.D

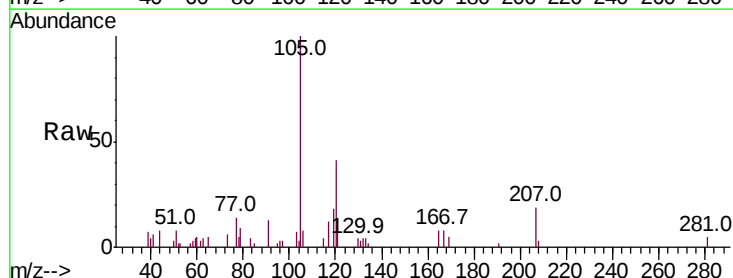
Acq: 3 Dec 2019 16:13

Tgt Ion:105 Resp: 11235

Ion Ratio Lower Upper

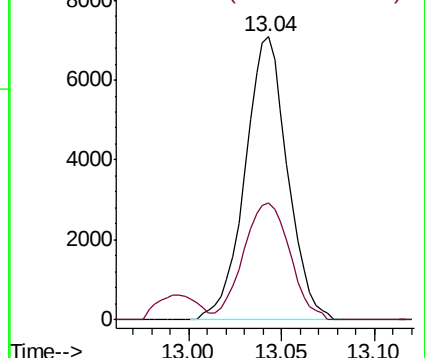
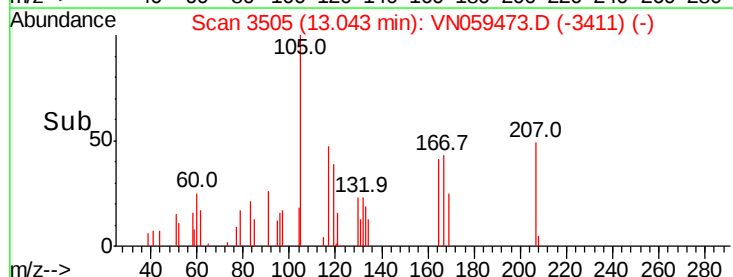
105 100

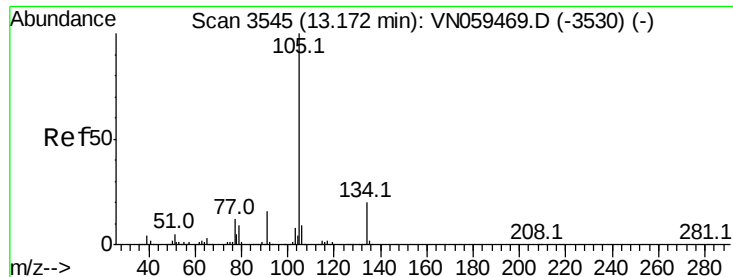
120 45.3 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.089 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

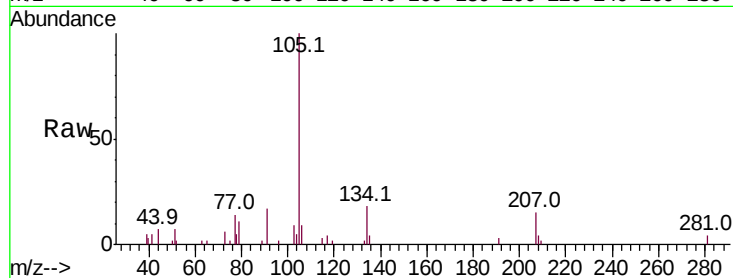
ClientSampleId :

Tot Ion:105 Resp: 13483

Ion Ratio Lower Upper

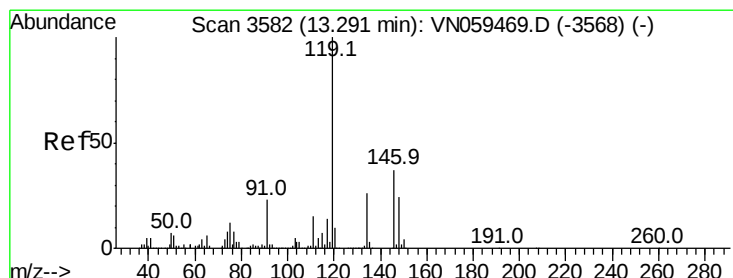
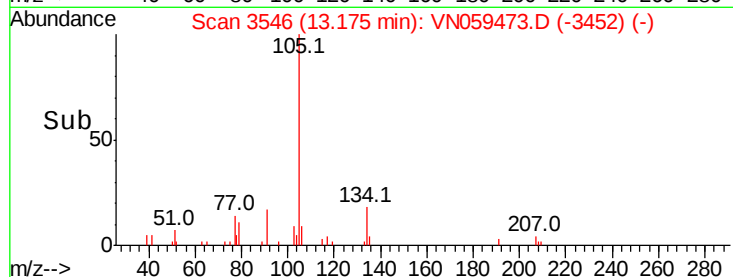
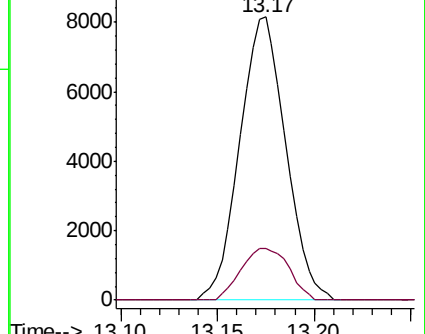
105 100

134 19.0 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.094 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

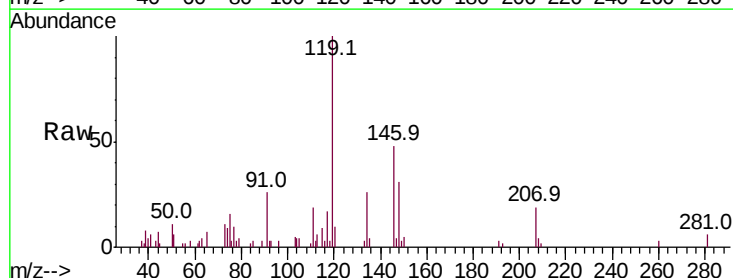
Tgt Ion:119 Resp: 12235

Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.3

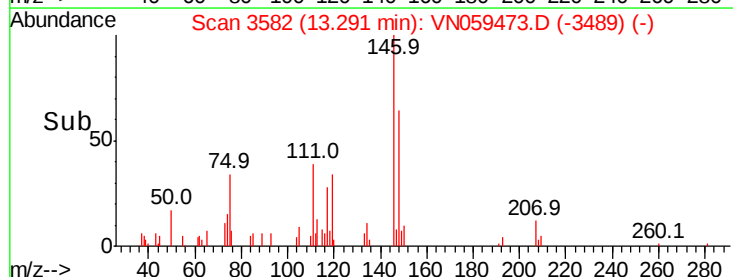
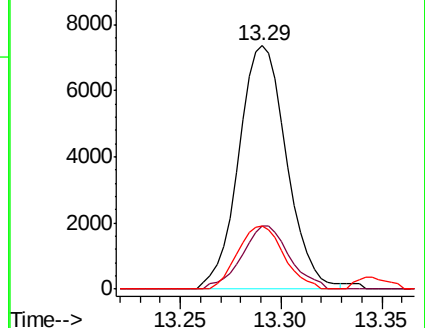
91 24.9 11.7 35.1

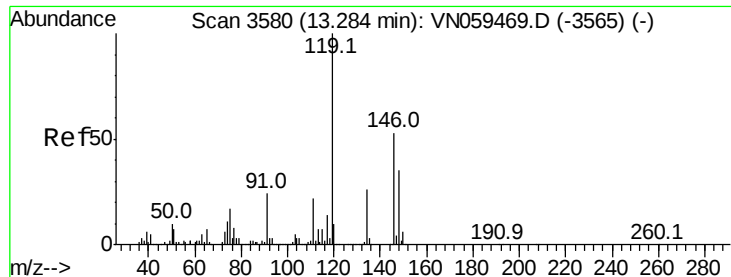


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.255 ug/l

RT: 13.28 min Scan# 3580

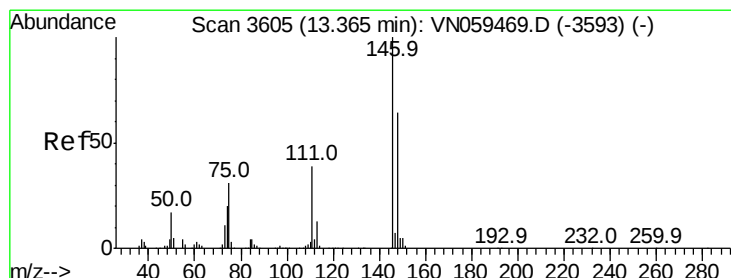
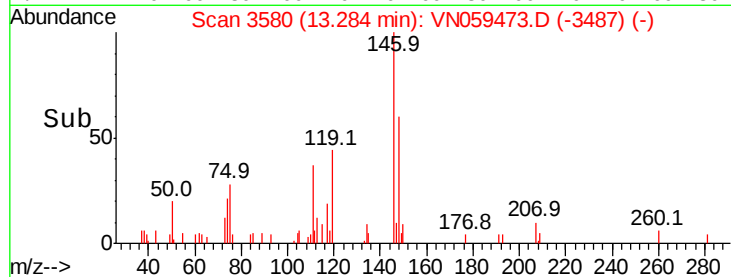
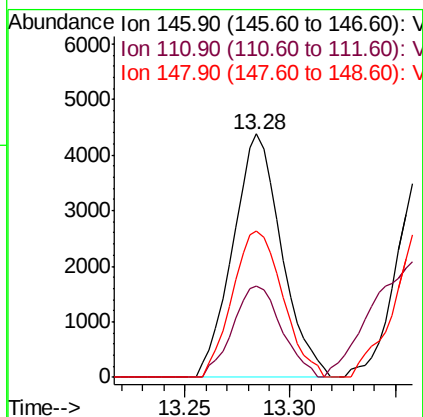
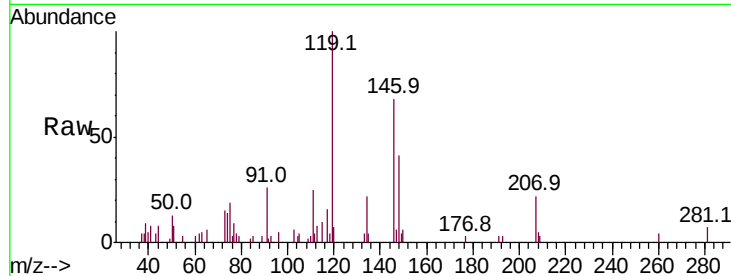
Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	20.4	61.3
148	62.4	32.1	96.5



#88

1,4-Dichlorobenzene

Concen: 1.248 ug/l

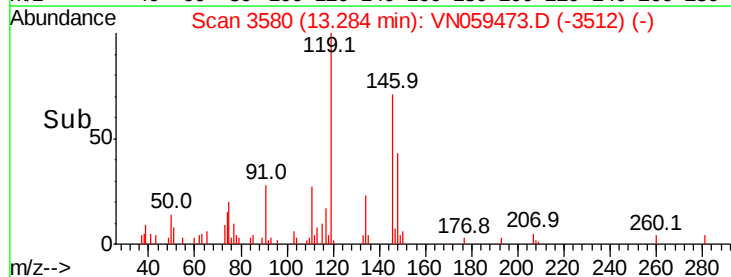
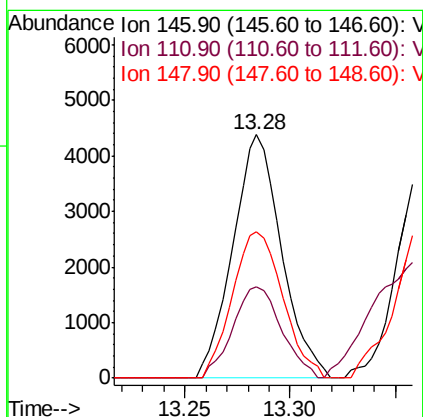
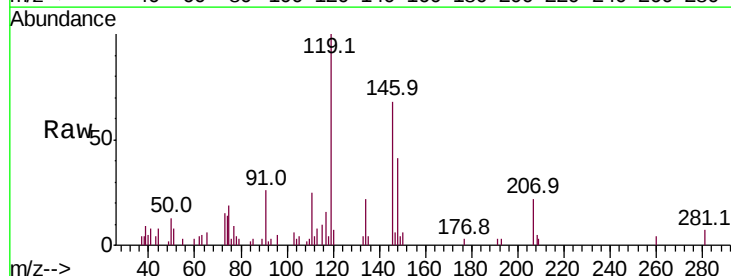
RT: 13.28 min Scan# 3580

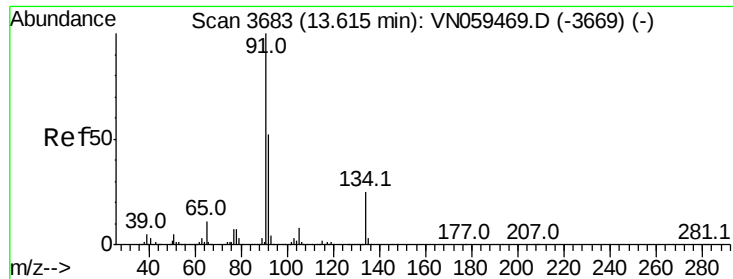
Delta R.T. -0.08 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	19.8	59.3
148	62.4	32.0	96.0

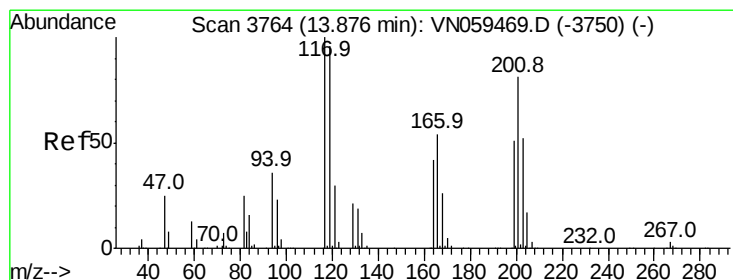
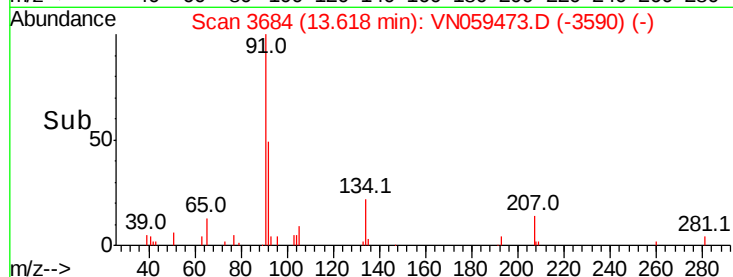
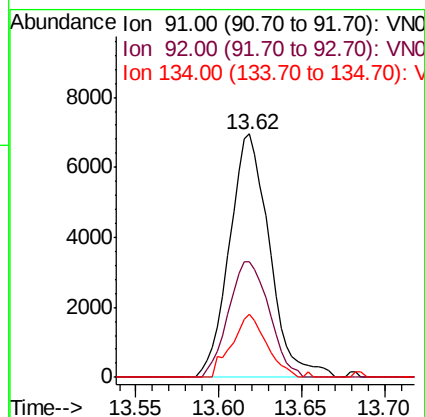
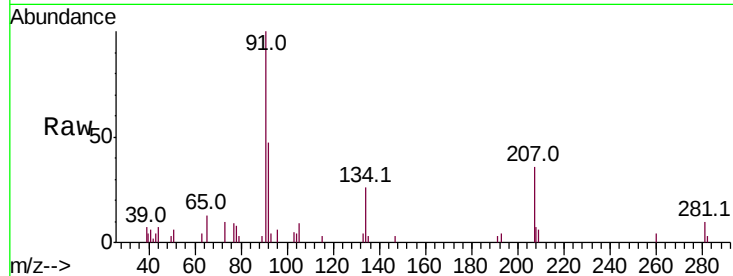




#89
n-Butylbenzene
Concen: 1.194 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

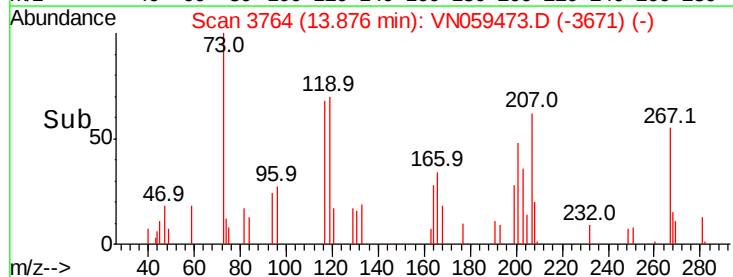
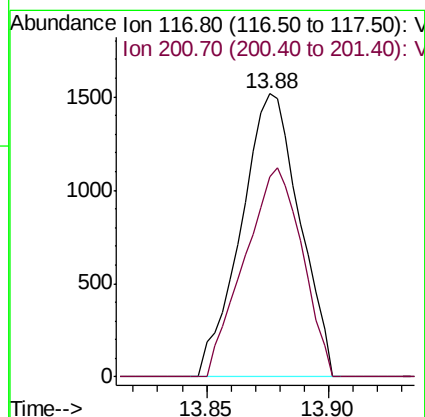
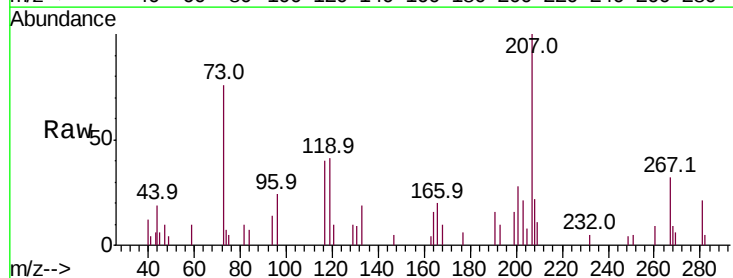
Instrument :
MSVOA_N
ClientSampleId :

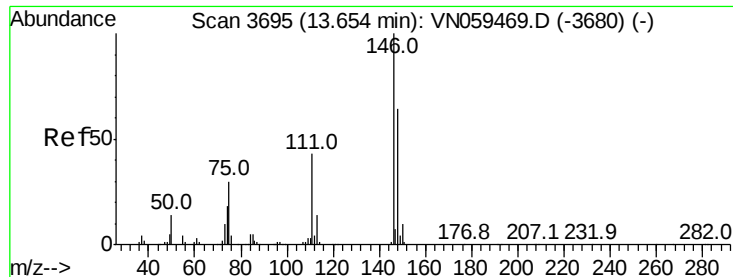
Tot Ion: 91 Resp: 11694
Ion Ratio Lower Upper
91 100
92 48.1 25.9 77.8
134 22.5 12.6 37.6



#90
Hexachloroethane
Concen: 1.176 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059473.D
Acq: 3 Dec 2019 16:13

Tgt Ion: 117 Resp: 2521
Ion Ratio Lower Upper
117 100
201 72.8 40.6 122.0

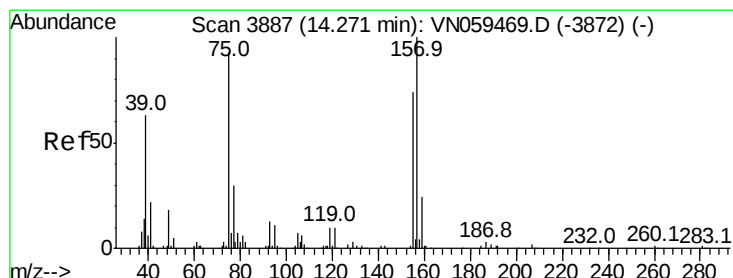
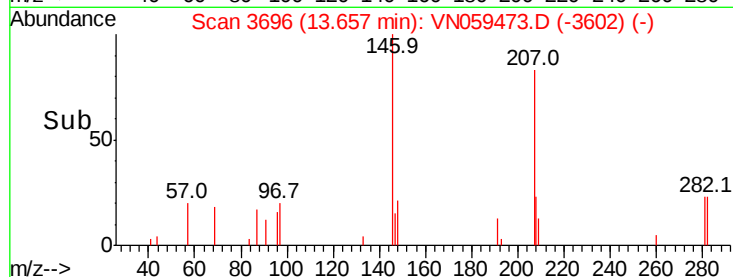
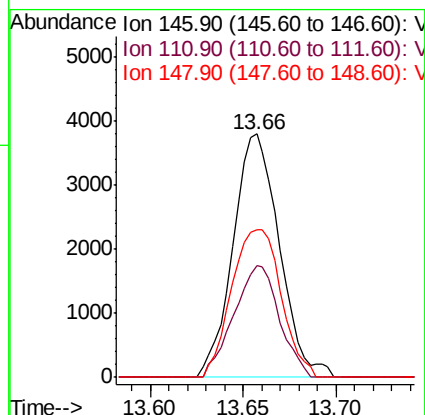
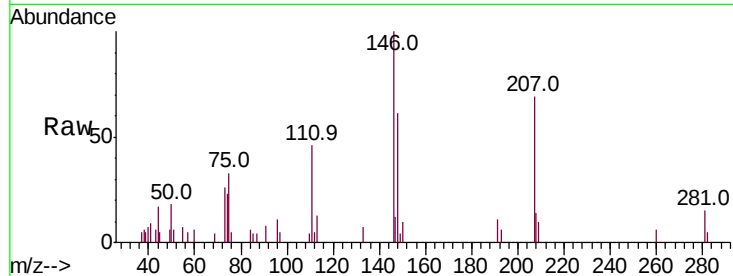




#91
 1,2-Dichlorobenzene
 Concen: 1.198 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

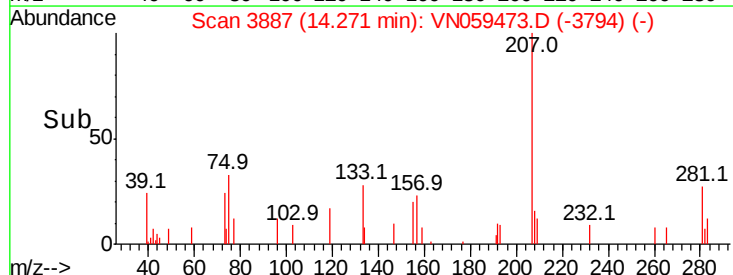
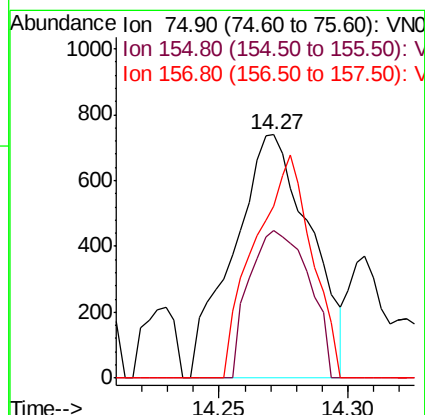
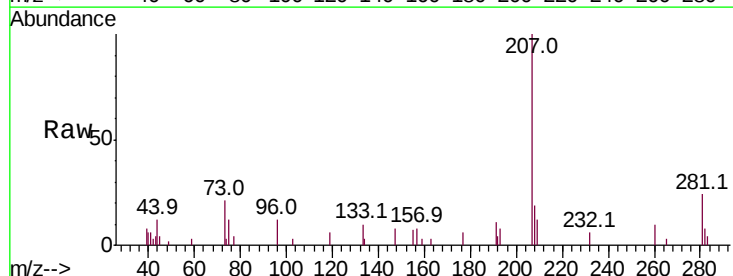
Instrument :
 MSVOA_N
 ClientSampled :

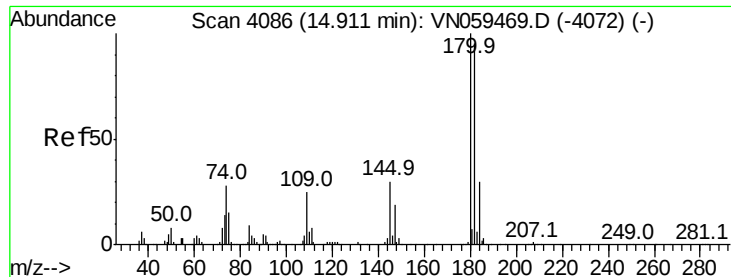
Tot Ion:146 Resp: 6564
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.3 63.7
 148 64.9 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.600 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. -0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Tgt Ion: 75 Resp: 1539
 Ion Ratio Lower Upper
 75 100
 155 47.2 40.6 122.0
 157 67.8 52.9 158.7

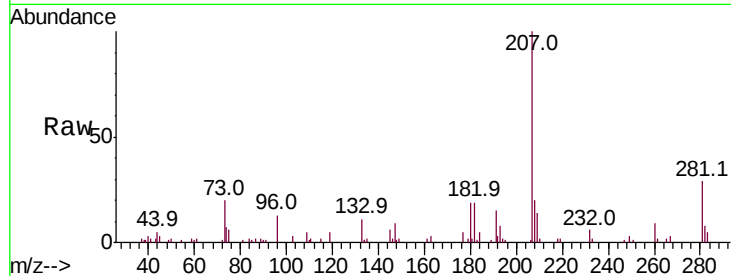




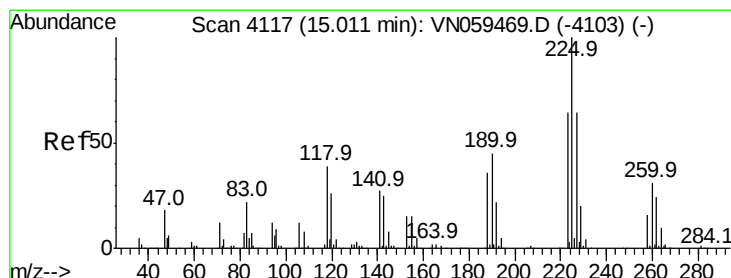
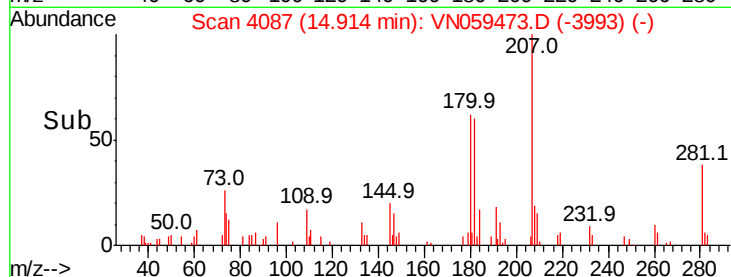
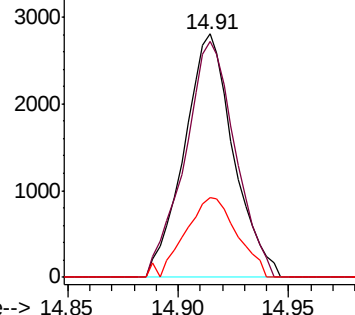
#93
 1,2,4-Trichlorobenzene
 Concen: 1.291 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 4354
 Ion Ratio Lower Upper
 180 100
 182 99.0 48.0 144.2
 145 34.4 15.2 45.6

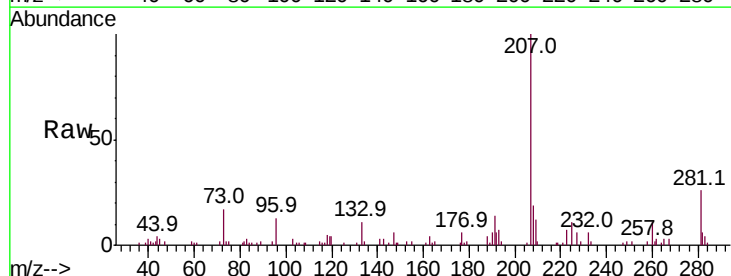


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

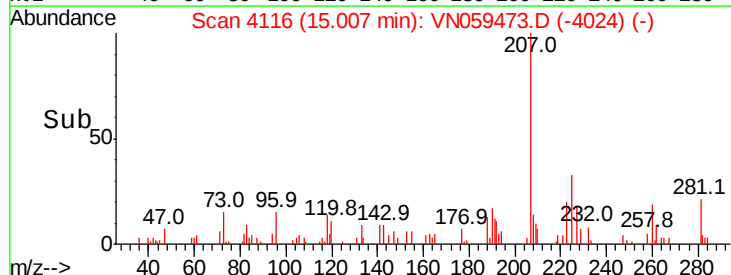
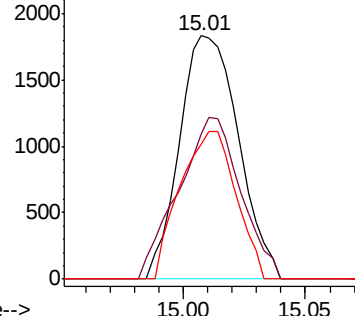


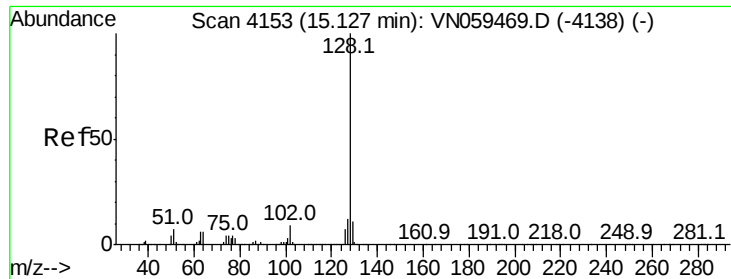
#94
 Hexachlorobutadiene
 Concen: 1.471 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN059473.D
 Acq: 3 Dec 2019 16:13

Tgt Ion:225 Resp: 3072
 Ion Ratio Lower Upper
 225 100
 223 69.8 31.9 95.5
 227 57.7 32.0 96.2



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.746 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

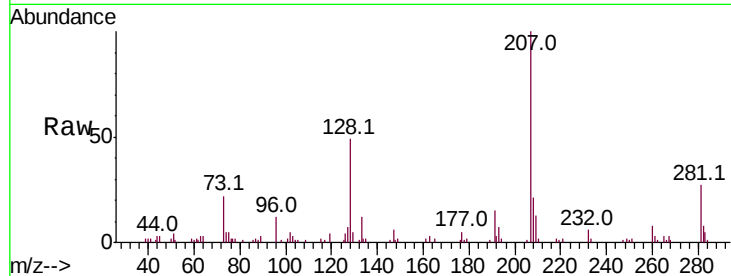
Tot Ion:128 Resp: 16784

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

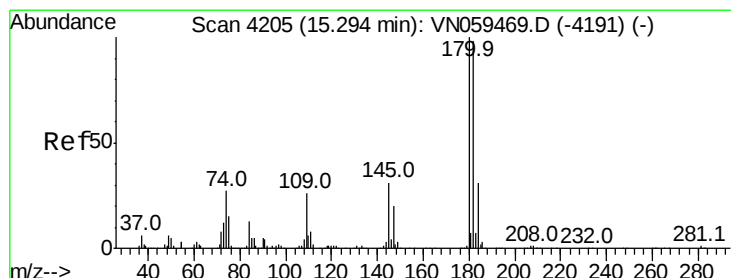
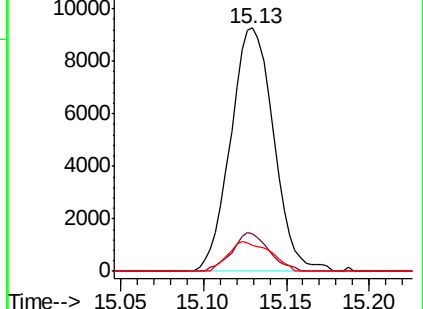
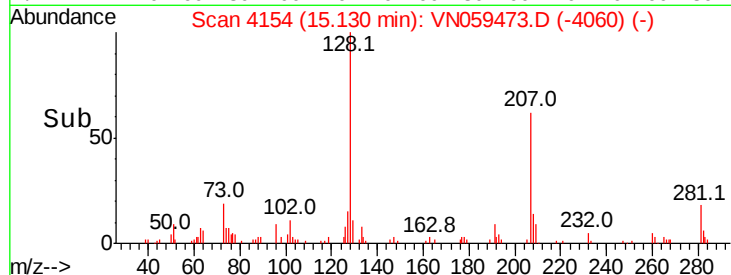
129 11.9 8.8 13.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.613 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059473.D

Acq: 3 Dec 2019 16:13

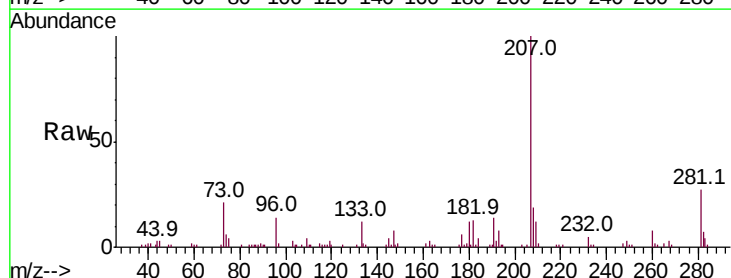
Tgt Ion:180 Resp: 5792

Ion Ratio Lower Upper

180 100

182 94.2 48.5 145.5

145 38.8 16.1 48.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

