

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058694.D
 Acq On : 11 Oct 2019 11:30
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 11 23:31:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 23:28:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	419388	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	682196	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	616593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	267755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	5899	0.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.94%	
35) Dibromofluoromethane	7.58	113	4119	0.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.98%	
50) Toluene-d8	10.09	98	15991	0.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.96%	
62) 4-Bromofluorobenzene	12.40	95	6440	1.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	4995	1.063	ug/l	97
3) Chloromethane	2.04	50	7194	1.373	ug/l	95
4) Vinyl Chloride	2.17	62	6201	1.204	ug/l	98
5) Bromomethane	2.55	94	4592	1.623	ug/l	89
6) Chloroethane	2.69	64	4038	1.306	ug/l	100
7) Trichlorofluoromethane	3.00	101	7961	1.296	ug/l	99
8) Diethyl Ether	3.39	74	2878	1.113	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.74	101	4425	1.093	ug/l #	63
10) Methyl Iodide	3.94	142	5518	1.172	ug/l #	42
11) Tert butyl alcohol	4.76	59	4847	6.667	ug/l #	83
12) 1,1-Dichloroethene	3.72	96	4101	1.039	ug/l	89
13) Acrolein	3.59	56	3501	10.724	ug/l	94
14) Allyl chloride	4.31	41	8990	1.231	ug/l	94
15) Acrylonitrile	4.97	53	10917	5.320	ug/l #	92
16) Acetone	3.80	43	13465	6.288	ug/l	99
17) Carbon Disulfide	4.03	76	14028	1.311	ug/l	97
18) Methyl Acetate	4.31	43	6430	1.185	ug/l #	81
19) Methyl tert-butyl Ether	5.02	73	13990	0.998	ug/l	97
20) Methylene Chloride	4.53	84	6396	1.322	ug/l	90
21) trans-1,2-Dichloroethene	5.02	96	4702	1.068	ug/l	93
22) Diisopropyl ether	5.92	45	14839	0.954	ug/l #	68
23) Vinyl Acetate	5.88	43	59055	4.992	ug/l	97
24) 1,1-Dichloroethane	5.82	63	8997	1.030	ug/l #	87
25) 2-Butanone	6.82	43	17157	5.788	ug/l	91
26) 2,2-Dichloropropane	6.81	77	9669	1.333	ug/l #	55
27) cis-1,2-Dichloroethene	6.81	96	5867	1.145	ug/l	95
28) Bromochloromethane	7.18	49	3347	0.984	ug/l #	62
29) Tetrahydrofuran	7.20	42	10918	5.775	ug/l	93
30) Chloroform	7.35	83	9982	1.132	ug/l	97
31) Cyclohexane	7.64	56	17573	2.073	ug/l #	35
32) 1,1,1-Trichloroethane	7.55	97	7557	1.036	ug/l #	51
36) 1,1-Dichloropropene	7.78	75	6958	1.060	ug/l	98
37) Ethyl Acetate	6.92	43	5908	1.026	ug/l #	86
38) Carbon Tetrachloride	7.76	117	6402	1.067	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	7614	0.991	ug/l	97
40) Benzene	8.02	78	20188	1.071	ug/l	99
41) Methacrylonitrile	7.15	41	2170	0.804	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	7938	1.083	ug/l	97
43) Isopropyl Acetate	8.15	43	12057	1.130	ug/l #	84
44) Trichloroethene	8.82	130	5106	1.099	ug/l	100
45) 1,2-Dichloropropane	9.11	63	5369	1.061	ug/l	98
46) Dibromomethane	9.20	93	3304	1.029	ug/l	96
47) Bromodichloromethane	9.40	83	6762	1.102	ug/l	99
48) Methyl methacrylate	9.19	41	5098	1.052	ug/l	94
49) 1,4-Dioxane	9.19	88	1533	23.255	ug/l #	93
51) 4-Methyl-2-Pentanone	9.98	43	29871	5.348	ug/l	97
52) Toluene	10.15	92	11958	1.006	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	7392	1.104	ug/l #	66
54) cis-1,3-Dichloropropene	9.83	75	7674	1.039	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	5783	1.332	ug/l	90
56) Ethyl methacrylate	10.43	69	5798	0.874	ug/l #	77
57) 1,3-Dichloropropane	10.71	76	8407	1.085	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	15573	5.671	ug/l	99
59) 2-Hexanone	10.75	43	22984	5.588	ug/l	98
60) Dibromochloromethane	10.90	129	4770	1.138	ug/l	93
61) 1,2-Dibromoethane	11.00	107	5019	1.127	ug/l	88
64) Tetrachloroethene	10.63	164	4612	1.163	ug/l	96
65) Chlorobenzene	11.43	112	12491	1.018	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.51	131	4616	1.105	ug/l #	65
67) Ethyl Benzene	11.51	91	21111	0.949	ug/l	100
68) m/p-Xylenes	11.62	106	15160	1.810	ug/l	98
69) o-Xylene	11.95	106	7790	0.969	ug/l	84
70) Styrene	11.97	104	11953	0.915	ug/l	97
71) Bromoform	12.13	173	2781	1.041	ug/l #	87
73) Isopropylbenzene	12.25	105	19745	1.003	ug/l	99
74) N-amyl acetate	12.08	43	7649	0.958	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.51	83	6586	1.111	ug/l	91
76) 1,2,3-Trichloropropane	12.56	75	8847	1.775	ug/l #	100
77) Bromobenzene	12.53	156	4911	1.060	ug/l	98
78) n-propylbenzene	12.59	91	22248	0.999	ug/l	95
79) 2-Chlorotoluene	12.68	91	15189	1.106	ug/l	95
80) 1,3,5-Trimethylbenzene	12.74	105	15653	0.947	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	2635	1.542	ug/l #	81
82) 4-Chlorotoluene	12.78	91	14721	1.048	ug/l	100
83) tert-Butylbenzene	13.00	119	13976	1.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	15306	0.924	ug/l	98
85) sec-Butylbenzene	13.18	105	17375	0.943	ug/l	99
86) p-Isopropyltoluene	13.29	119	16032	0.984	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	8966	1.064	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	8966	1.071	ug/l	99
89) n-Butylbenzene	13.62	91	14816	0.998	ug/l	97
90) Hexachloroethane	13.88	117	2633	1.052	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	8750	1.079	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1875	1.737	ug/l	74

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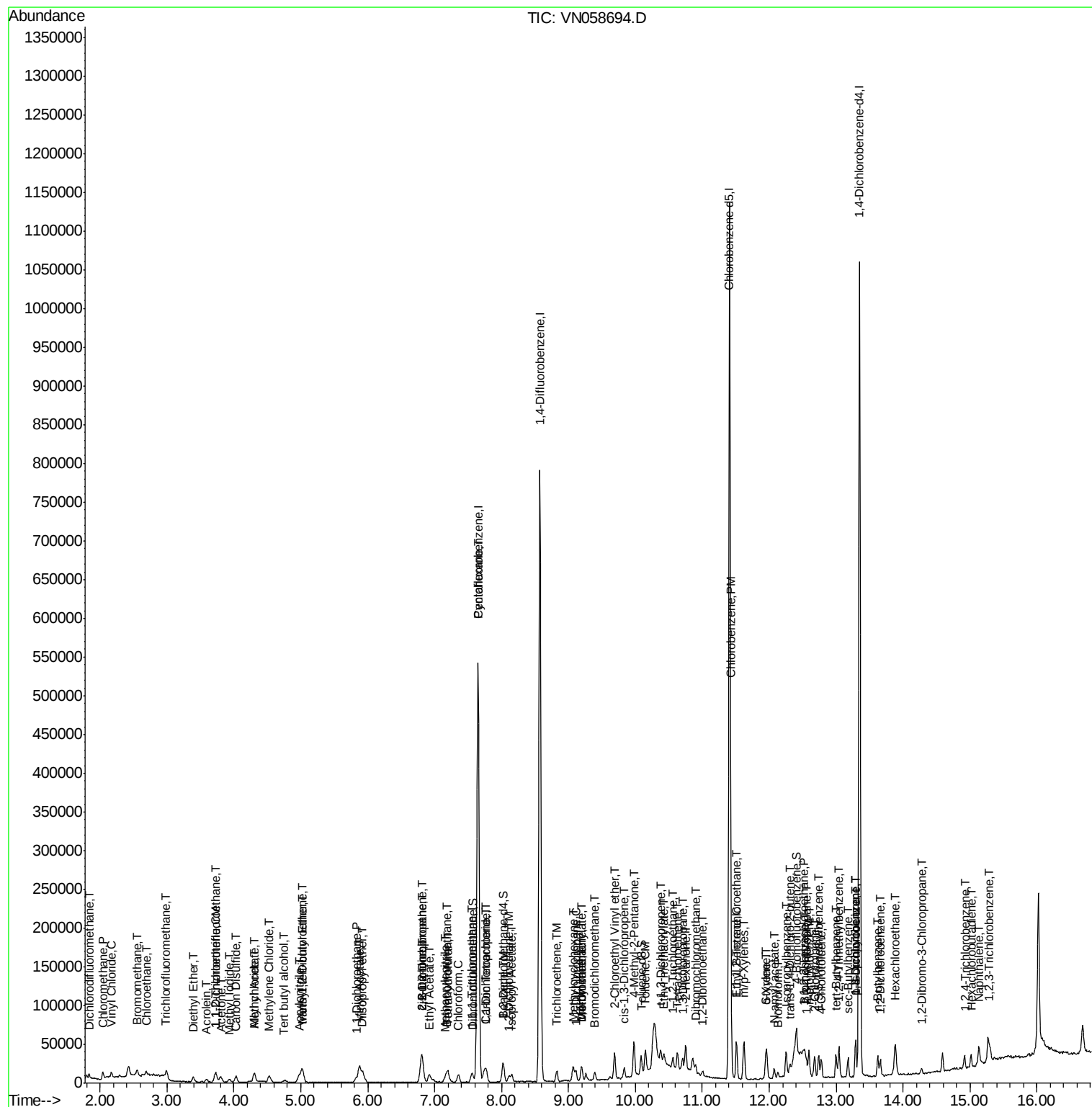
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	5124	1.133	ug/l	96
94) Hexachlorobutadiene	15.02	225	2907	1.233	ug/l	99
95) Naphthalene	15.13	128	14081	1.175	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	5108	1.234	ug/l	95

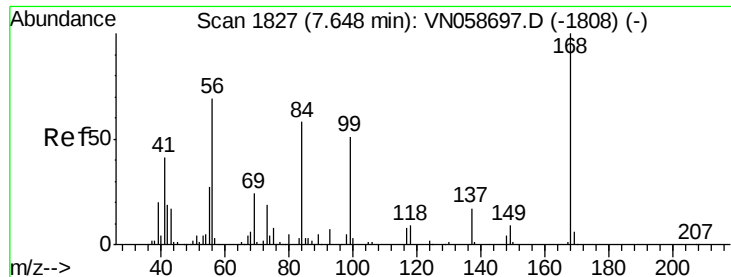
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN101319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

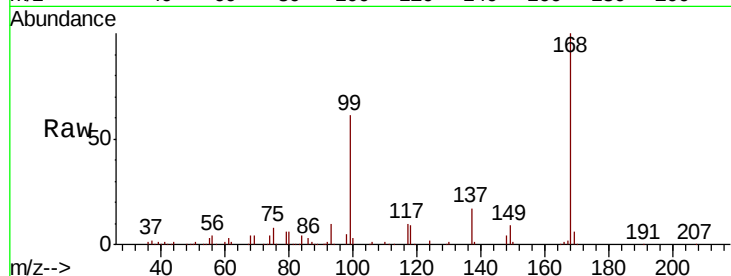
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 419388

Ion Ratio Lower Upper

168 100

99 60.7 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

150000

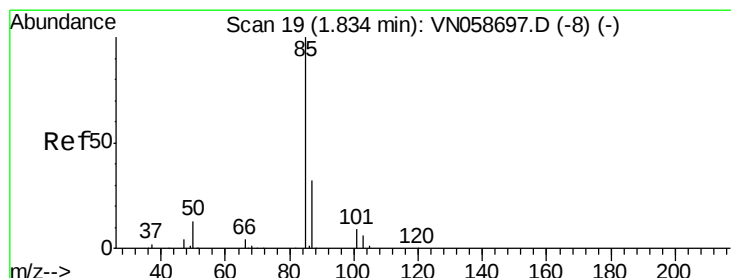
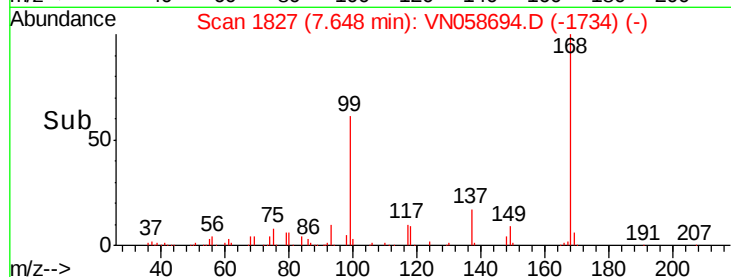
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 1.063 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058694.D

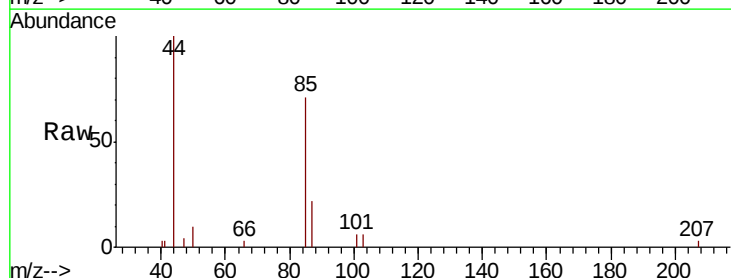
Acq: 11 Oct 2019 11:30

Tgt Ion: 85 Resp: 4995

Ion Ratio Lower Upper

85 100

87 30.6 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.84

4000

3000

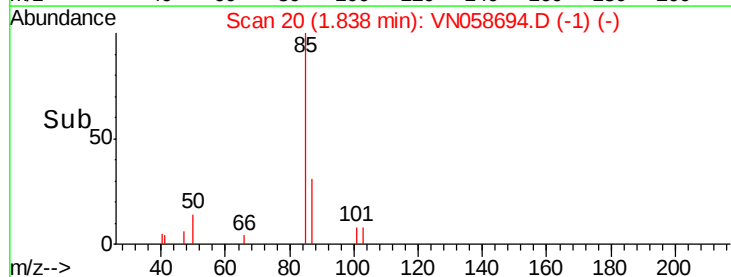
2000

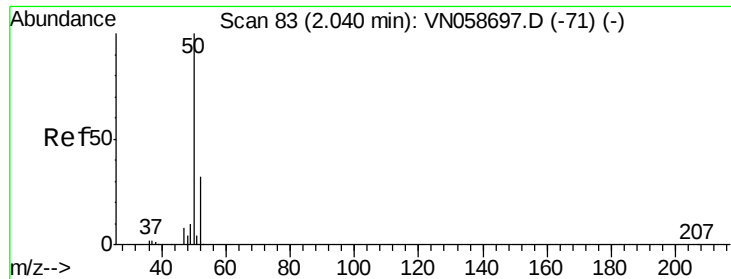
1000

0

1.80 1.85

Time-->





#3

Chloromethane

Concen: 1.373 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

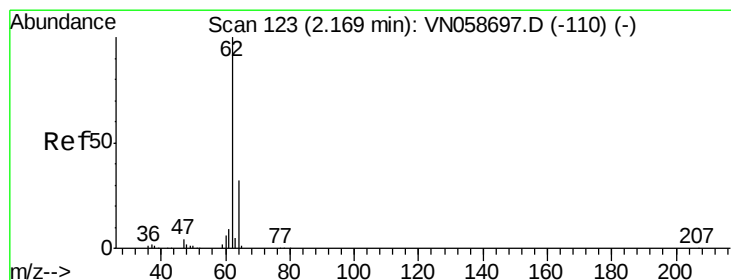
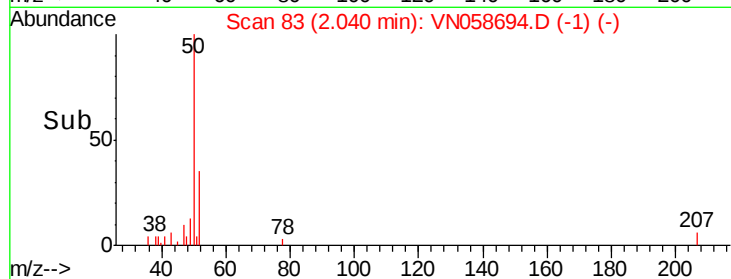
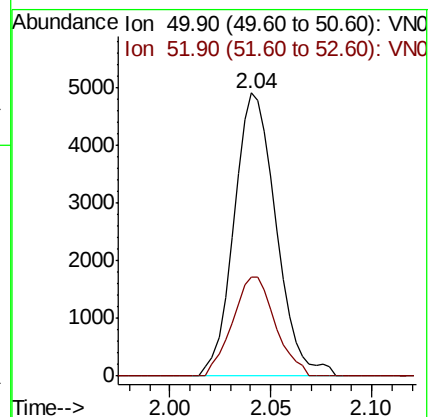
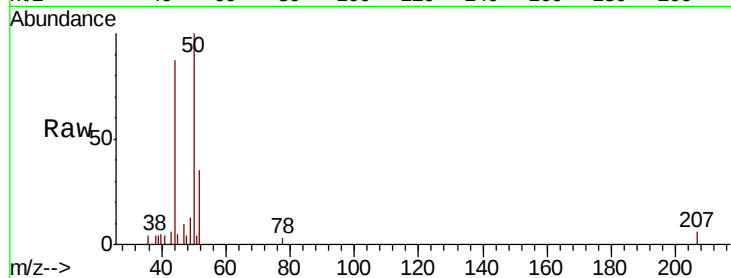
ClientSampled :

Tot Ion: 50 Resp: 7194

Ion Ratio Lower Upper

50 100

52 35.1 25.8 38.6



#4

Vinyl Chloride

Concen: 1.204 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058694.D

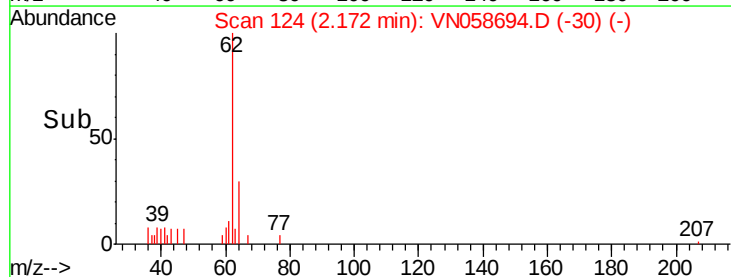
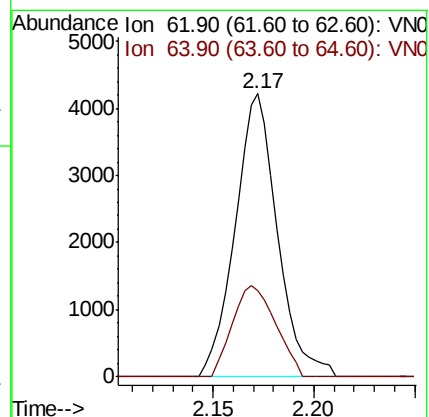
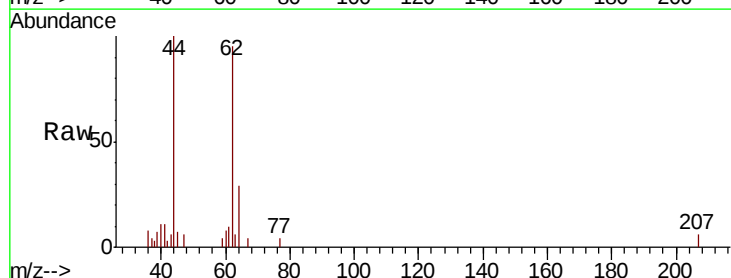
Acq: 11 Oct 2019 11:30

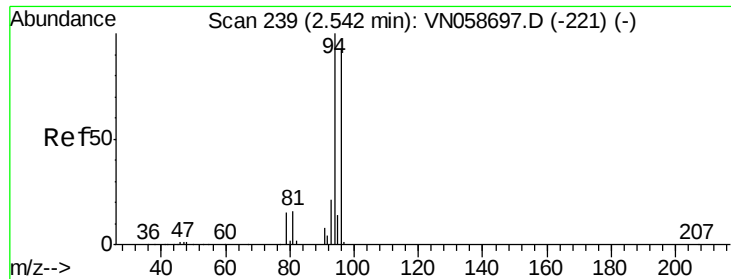
Tgt Ion: 62 Resp: 6201

Ion Ratio Lower Upper

62 100

64 30.5 25.3 37.9





#5

Bromomethane

Concen: 1.623 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

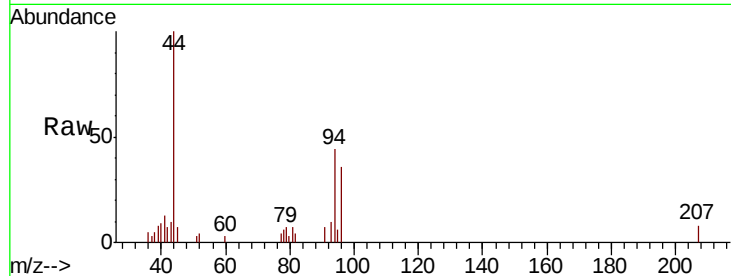
ClientSampled :

Tot Ion: 94 Resp: 4592

Ion Ratio Lower Upper

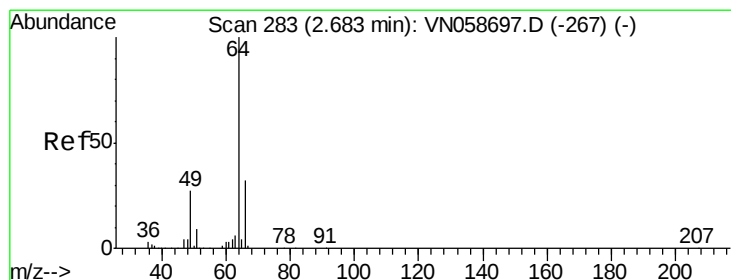
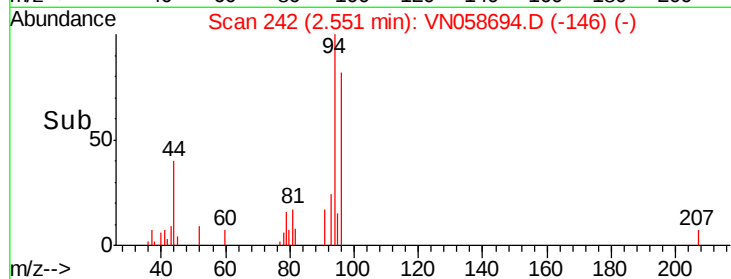
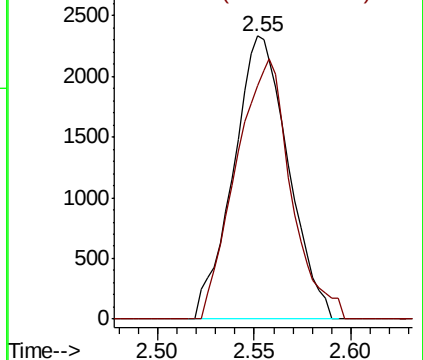
94 100

96 82.4 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN058694.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN058694.D (-221) (-)



#6

Chloroethane

Concen: 1.306 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058694.D

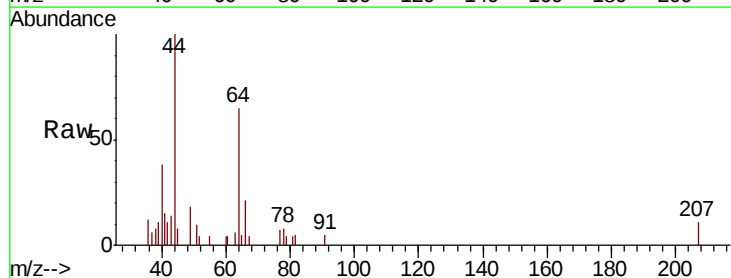
Acq: 11 Oct 2019 11:30

Tgt Ion: 64 Resp: 4038

Ion Ratio Lower Upper

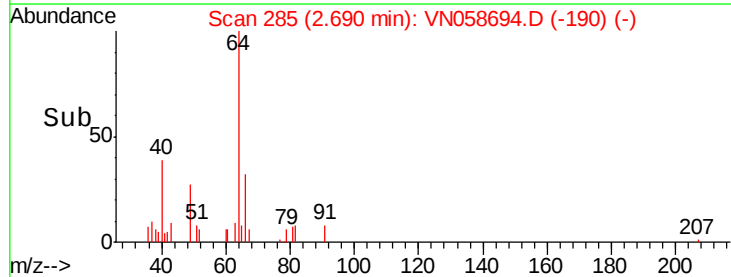
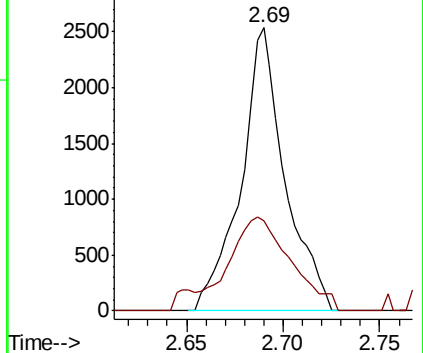
64 100

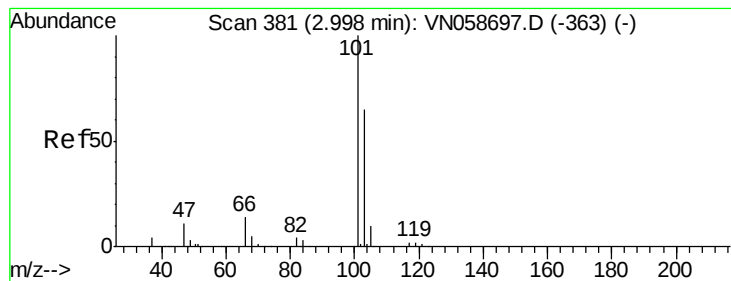
66 31.9 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN058694.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058694.D (-267) (-)





#7

Trichlorofluoromethane

Concen: 1.296 ug/l

RT: 3.00 min Scan# 381

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

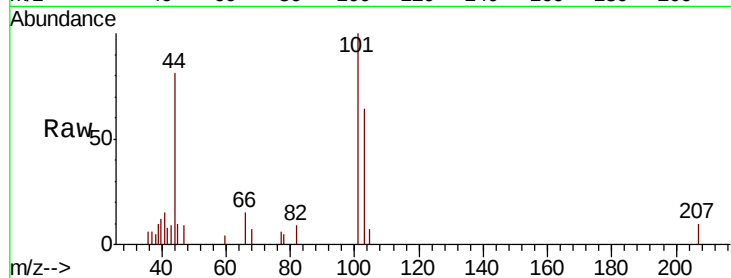
ClientSampleId :

Tot Ion:101 Resp: 7961

Ion Ratio Lower Upper

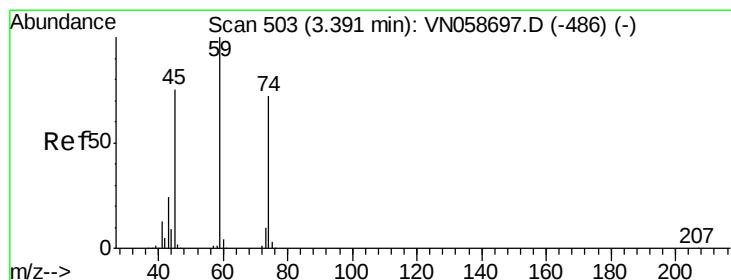
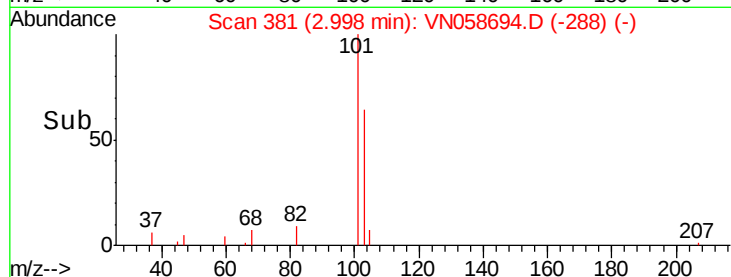
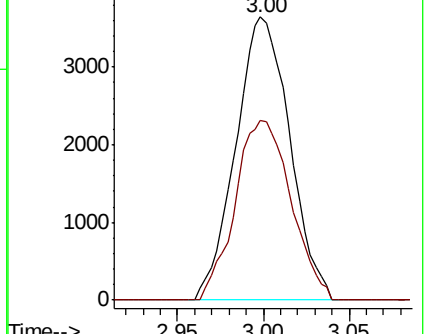
101 100

103 63.5 51.8 77.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.113 ug/l

RT: 3.39 min Scan# 504

Delta R.T. 0.00 min

Lab File: VN058694.D

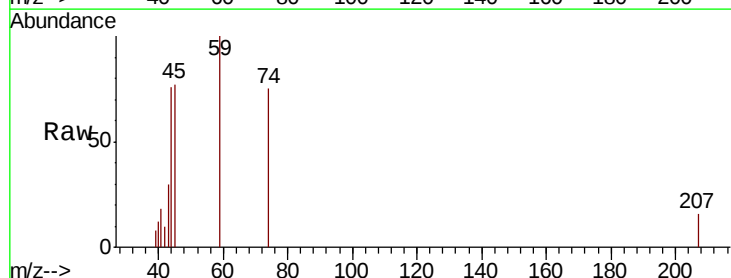
Acq: 11 Oct 2019 11:30

Tgt Ion: 74 Resp: 2878

Ion Ratio Lower Upper

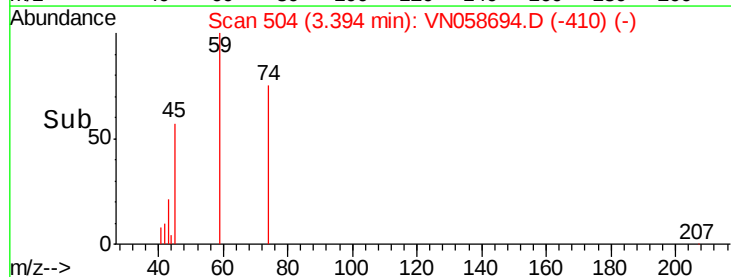
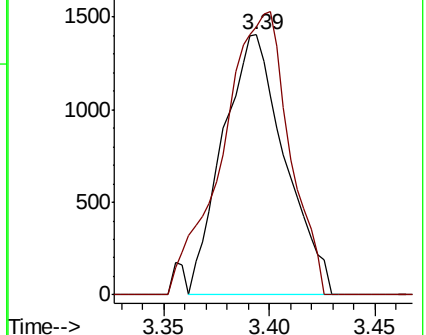
74 100

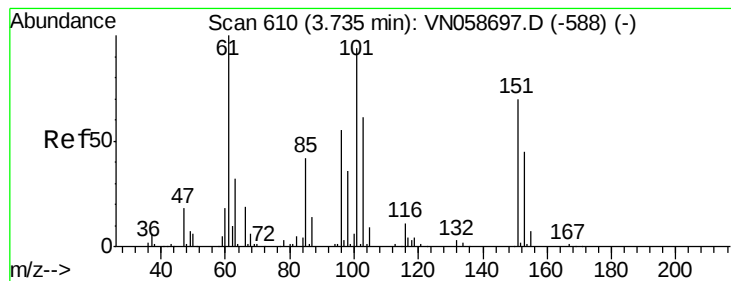
45 117.2 51.3 154.0



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.093 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

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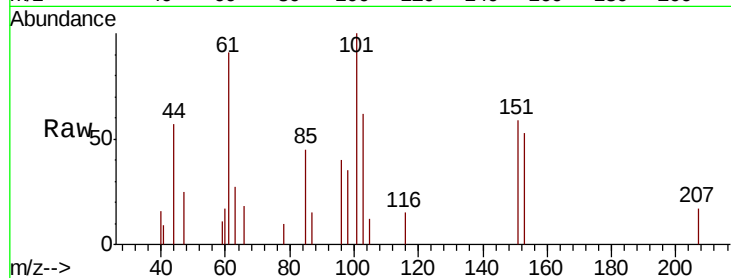
Tot Ion:101 Resp: 4425

Ion Ratio Lower Upper

101 100

85 34.6 37.0 55.6#

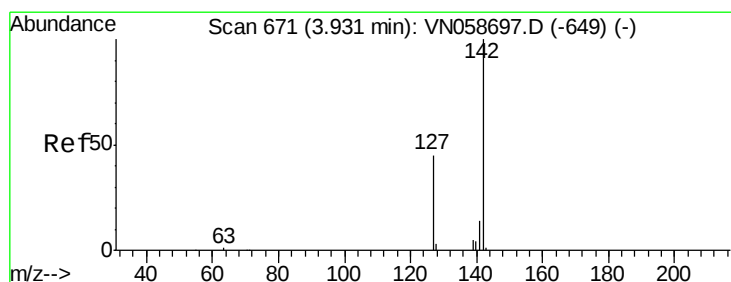
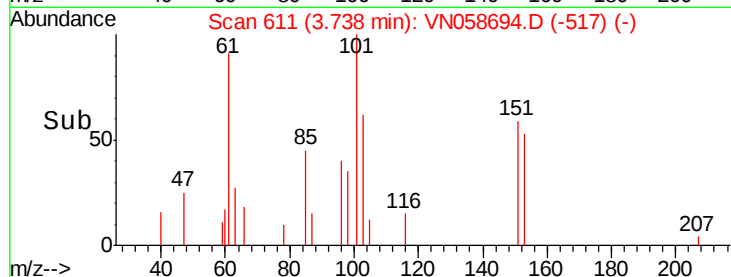
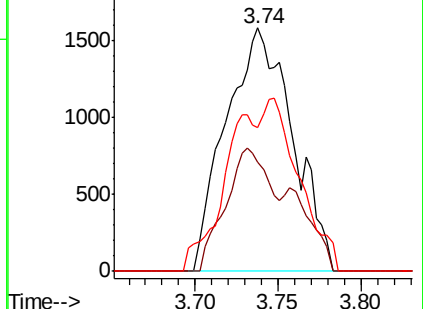
151 35.3 61.8 92.6#



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: 1.172 ug/l

RT: 3.94 min Scan# 673

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

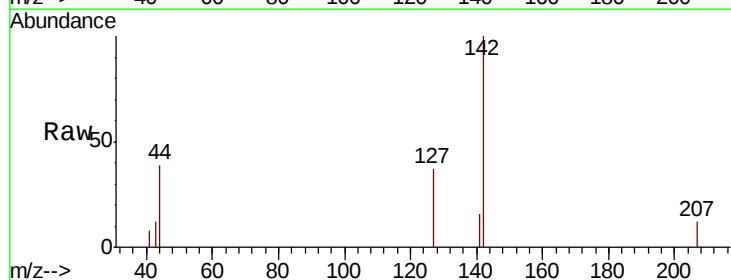
Tgt Ion:142 Resp: 5518

Ion Ratio Lower Upper

142 100

127 0.0 36.4 54.6#

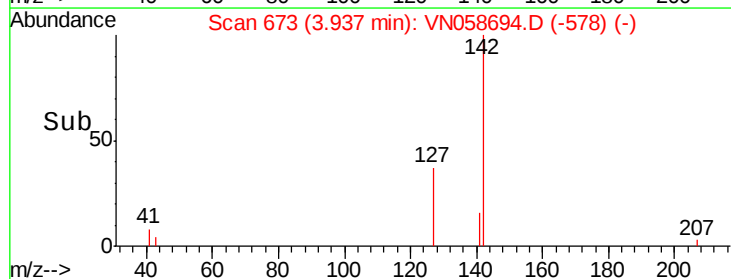
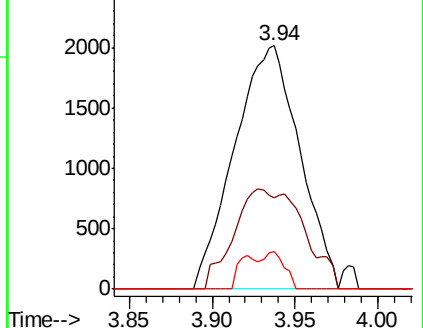
141 5.0 11.1 16.7#

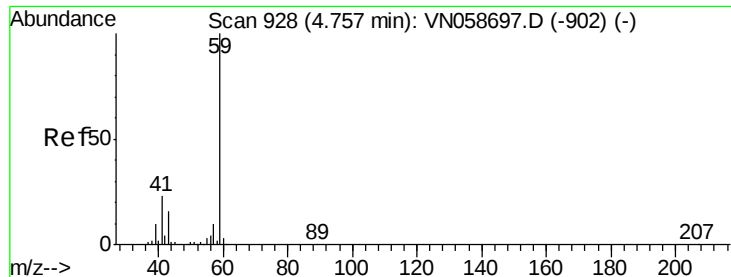


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

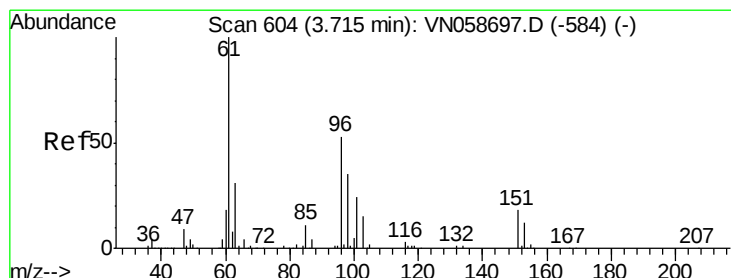
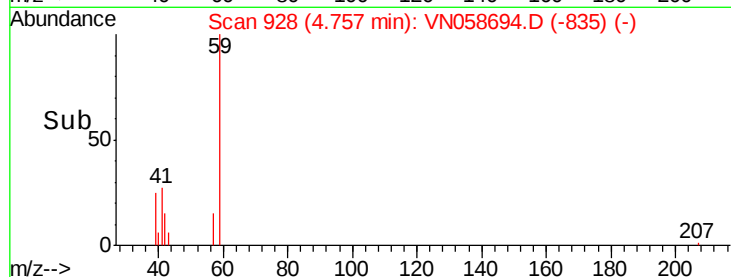
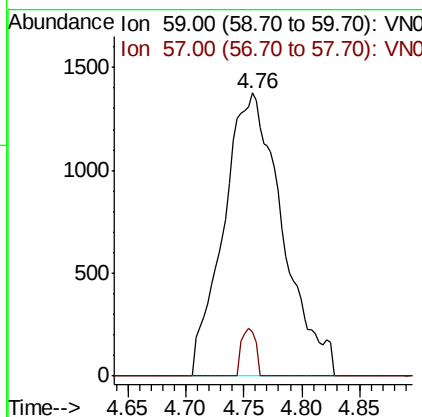
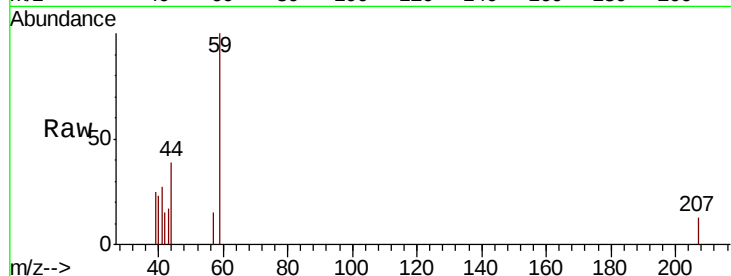




#11
Tert butyl alcohol
Concen: 6.667 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

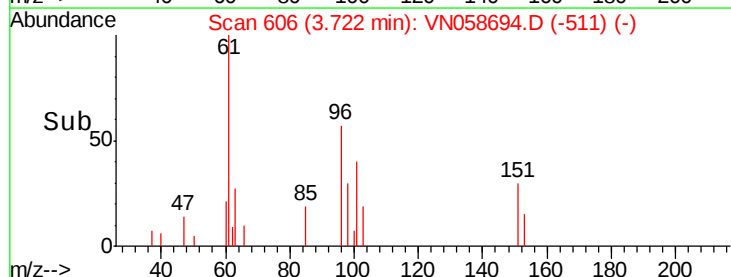
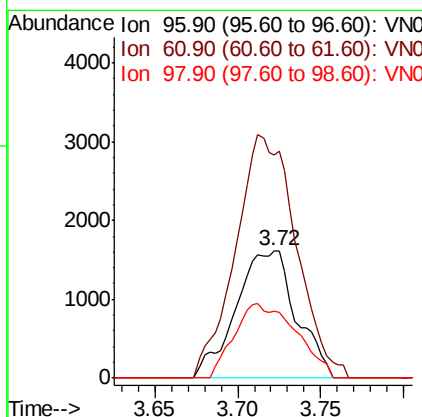
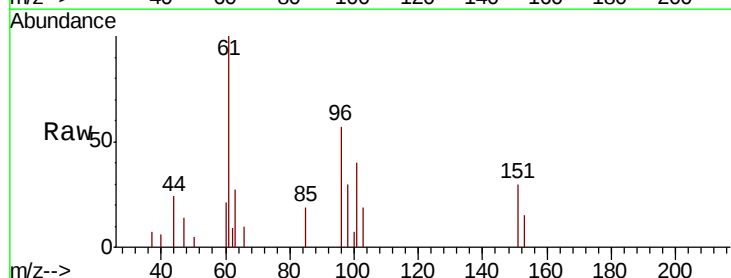
Instrument :
MSVOA_N
ClientSampled :

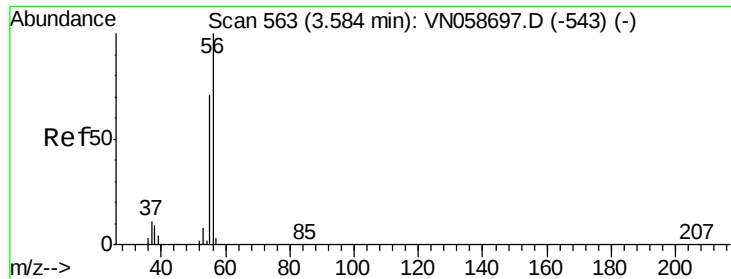
Tot Ion: 59 Resp: 4847
Ion Ratio Lower Upper
59 100
57 3.9 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 1.039 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 96 Resp: 4101
Ion Ratio Lower Upper
96 100
61 175.5 151.3 226.9
98 52.6 52.6 78.8

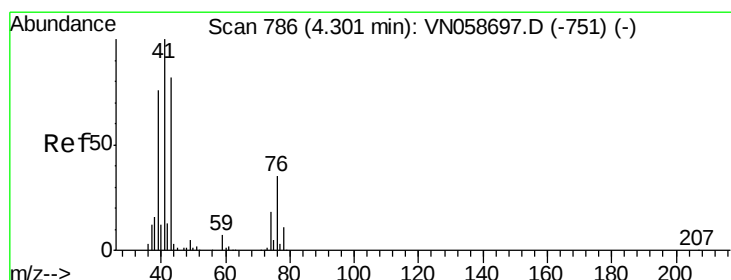
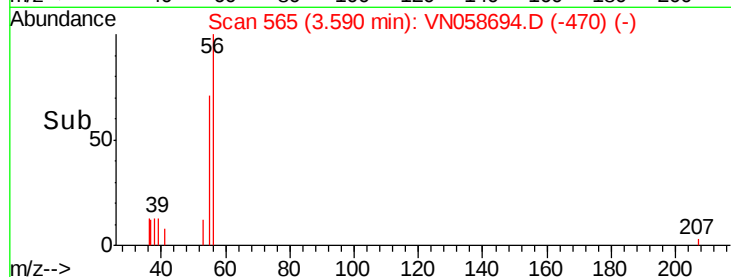
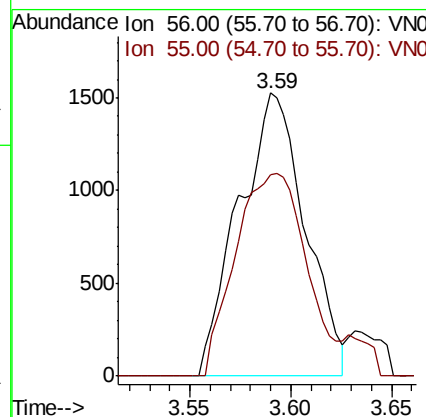
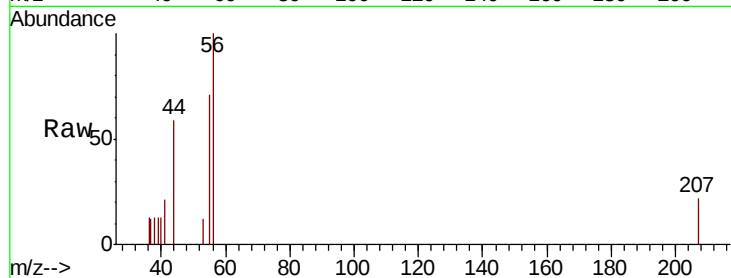




#13
Acrolein
Concen: 10.724 ug/l
RT: 3.59 min Scan# 565
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

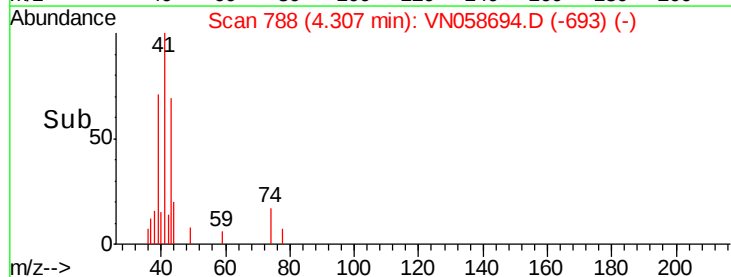
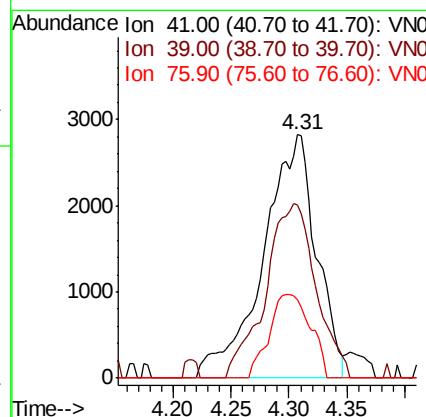
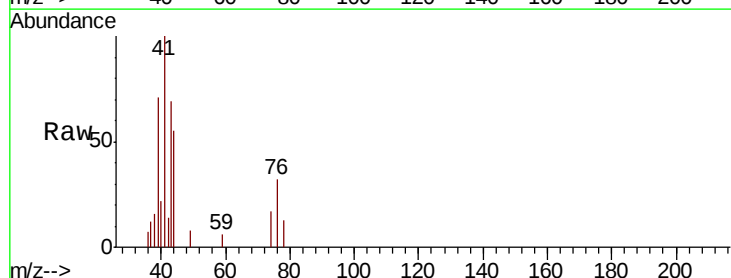
Instrument :
MSVOA_N
ClientSampleId :

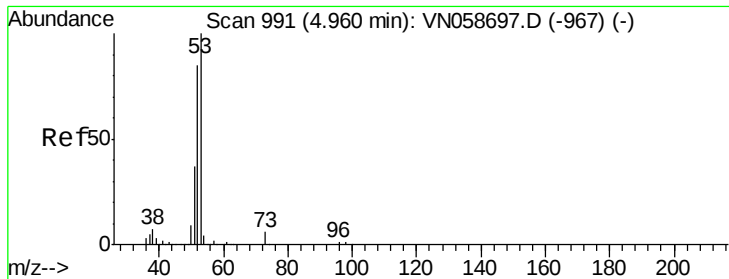
Tot Ion: 56 Resp: 3501
Ion Ratio Lower Upper
56 100
55 75.8 56.7 85.1



#14
Allyl chloride
Concen: 1.231 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 41 Resp: 8990
Ion Ratio Lower Upper
41 100
39 68.1 57.2 85.8
76 26.4 25.0 37.6





#15

Acrylonitrile

Concen: 5.320 ug/l

RT: 4.97 min Scan# 994

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

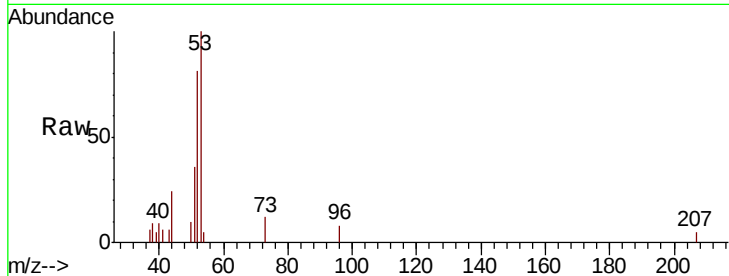
Tot Ion: 53 Resp: 10917

Ion Ratio Lower Upper

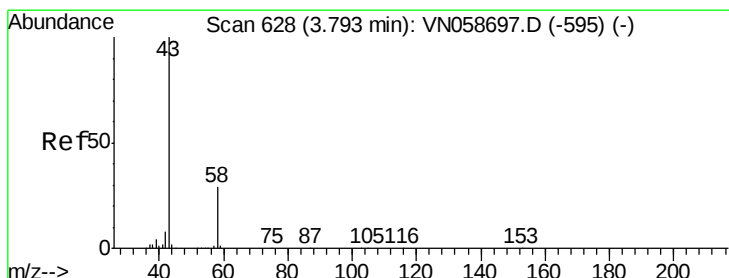
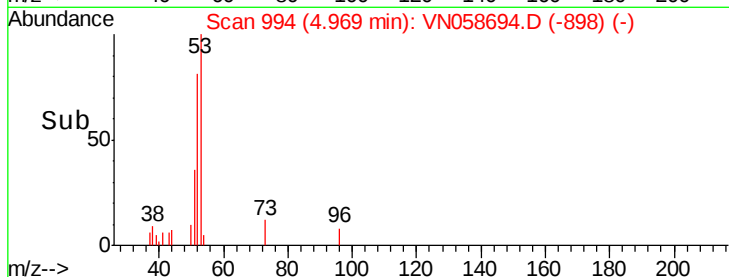
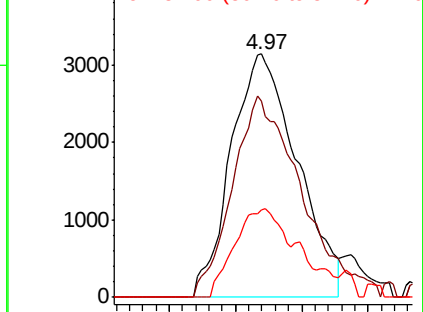
53 100

52 86.2 66.2 99.2

51 26.8 29.4 44.2#



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



#16

Acetone

Concen: 6.288 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058694.D

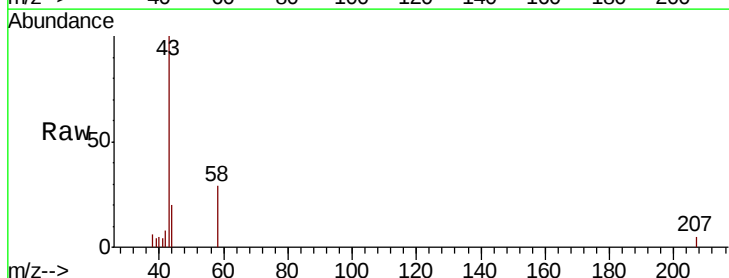
Acq: 11 Oct 2019 11:30

Tgt Ion: 43 Resp: 13465

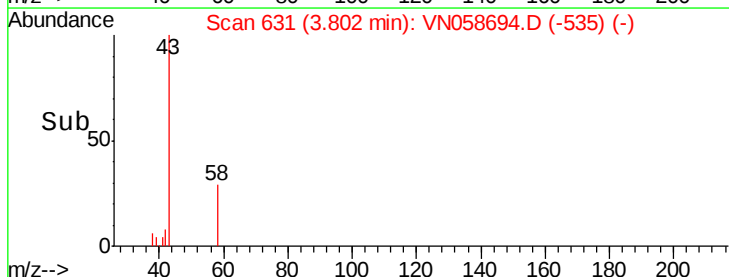
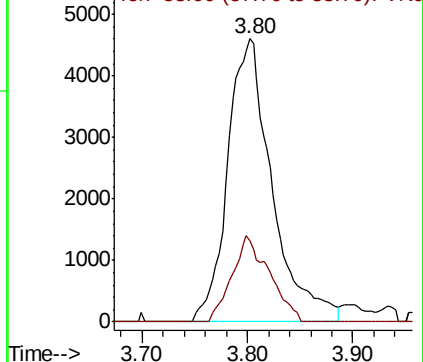
Ion Ratio Lower Upper

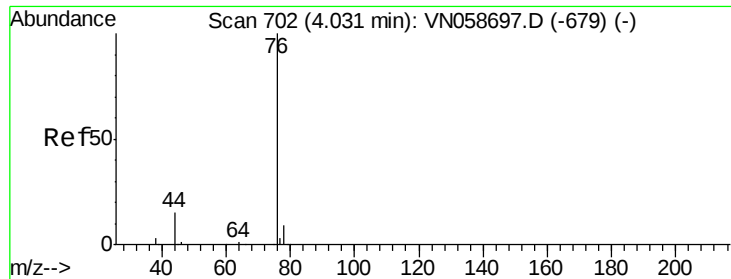
43 100

58 28.7 23.3 34.9



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

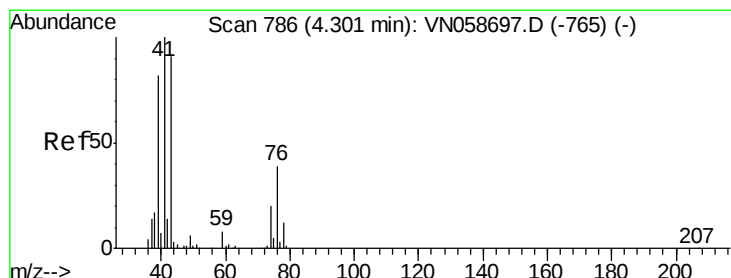
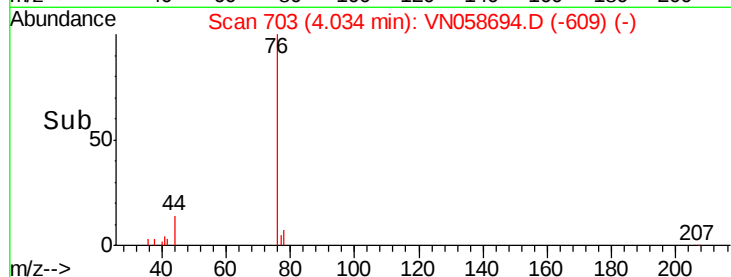
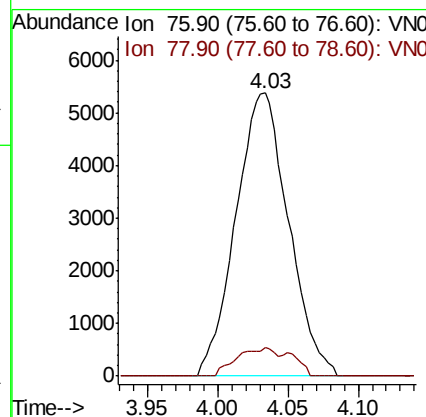
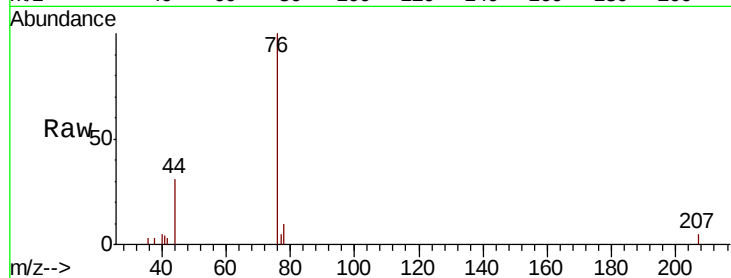




#17
Carbon Disulfide
Concen: 1.311 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

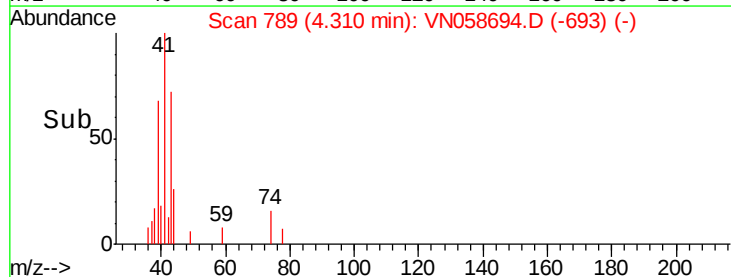
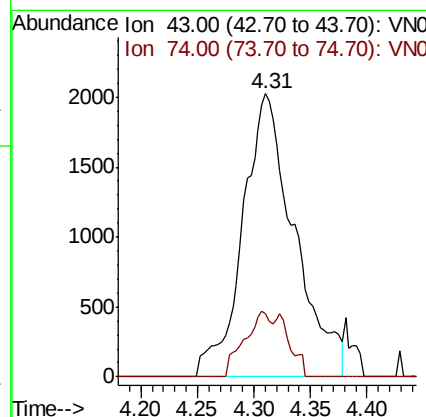
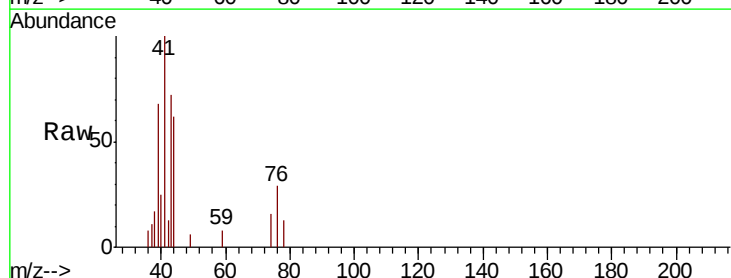
Instrument :
MSVOA_N
ClientSampleId :

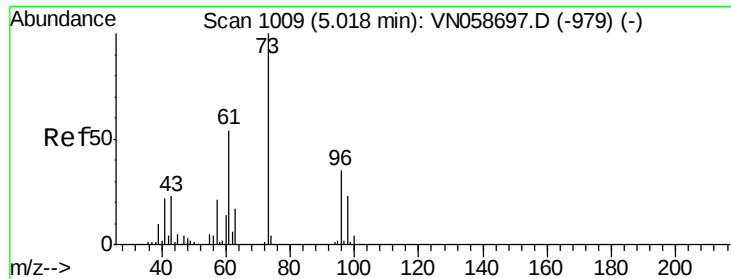
Tot Ion: 76 Resp: 14028
Ion Ratio Lower Upper
76 100
78 9.9 7.1 10.7



#18
Methyl Acetate
Concen: 1.185 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 43 Resp: 6430
Ion Ratio Lower Upper
43 100
74 12.3 17.2 25.8#

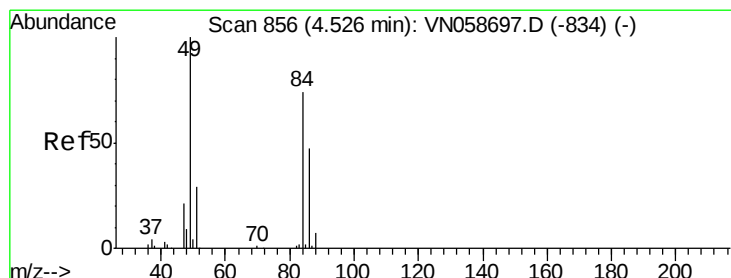
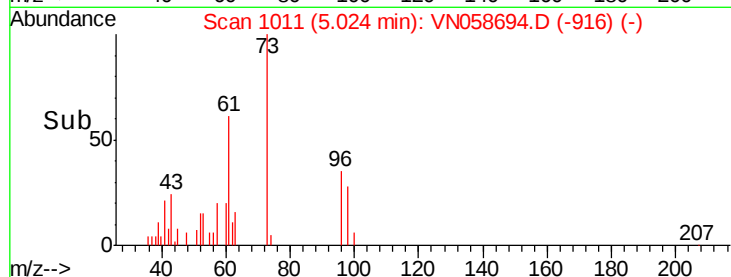
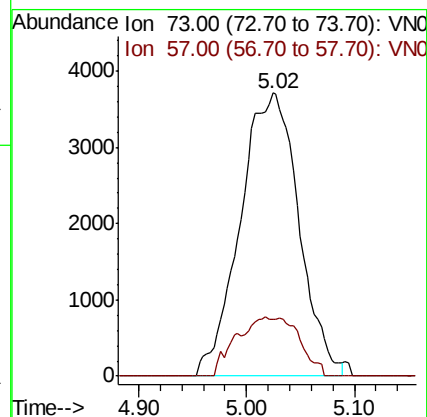
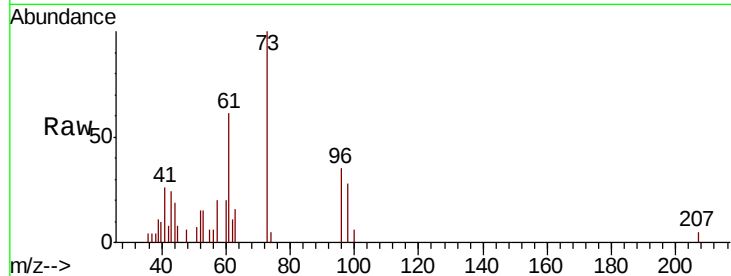




#19
Methvl tert-butvl Ether
Concen: 0.998 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

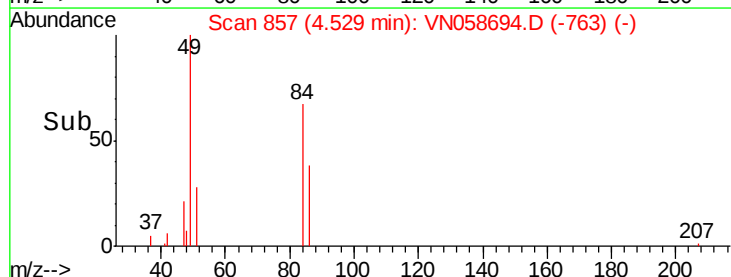
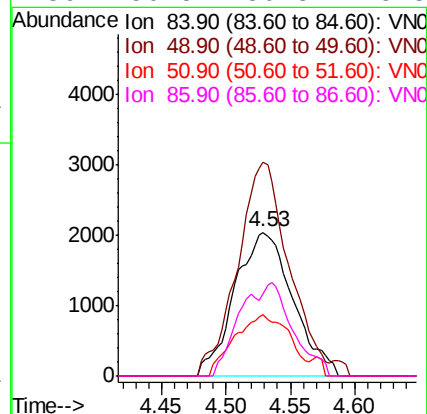
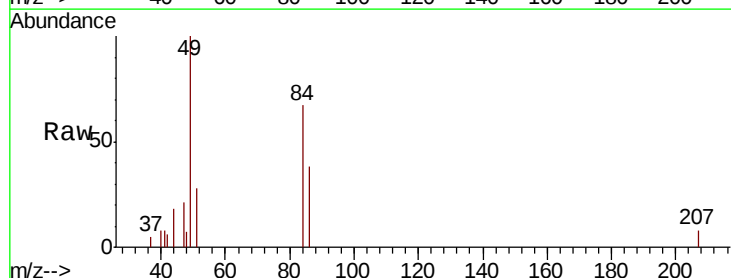
Instrument :
MSVOA_N
ClientSampleId :

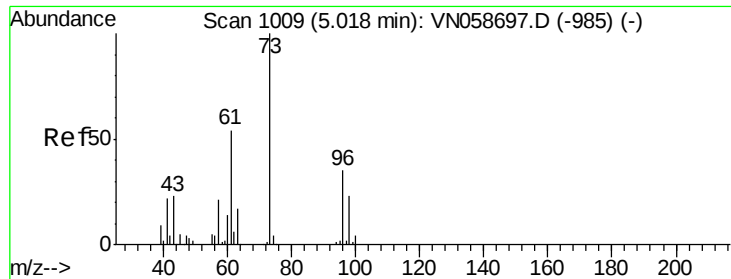
Tot Ion: 73 Resp: 13990
Ion Ratio Lower Upper
73 100
57 19.9 17.0 25.6



#20
Methylene Chloride
Concen: 1.322 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 84 Resp: 6396
Ion Ratio Lower Upper
84 100
49 148.5 107.6 161.4
51 42.3 31.4 47.0
86 56.8 50.3 75.5



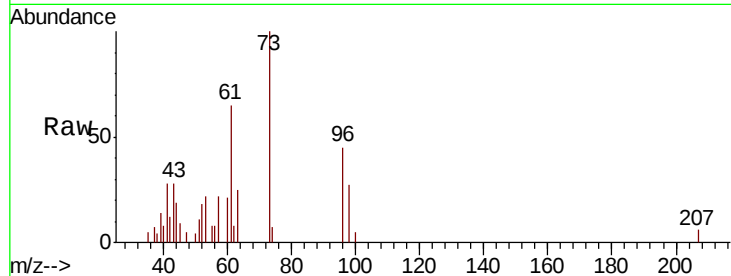


#21

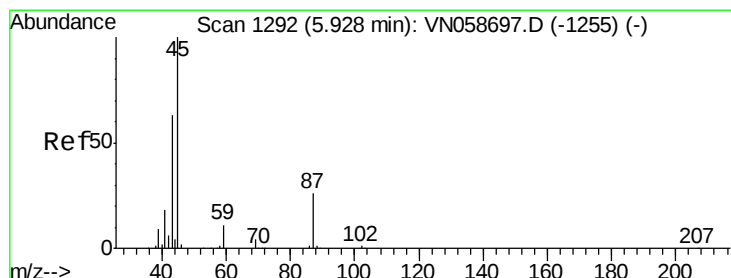
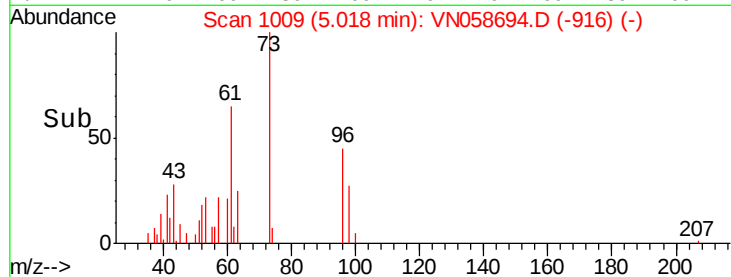
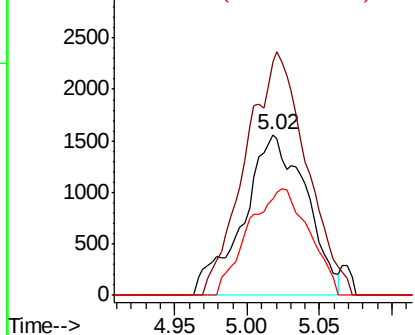
trans-1,2-Dichloroethene
Concen: 1.068 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 4702
Ion Ratio Lower Upper
96 100
61 144.9 123.6 185.4
98 60.2 52.1 78.1



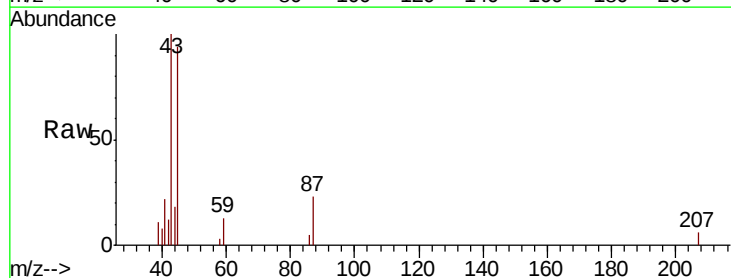
Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



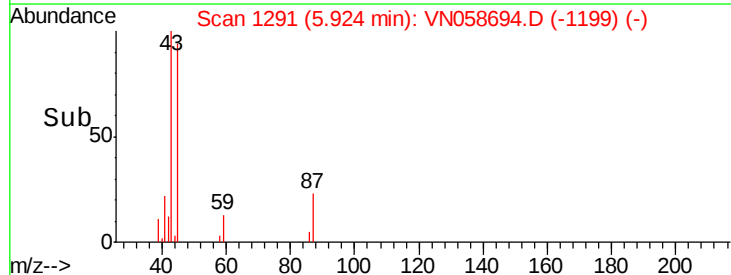
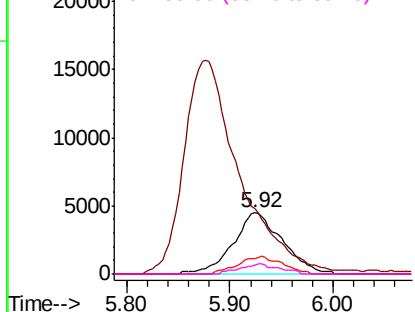
#22

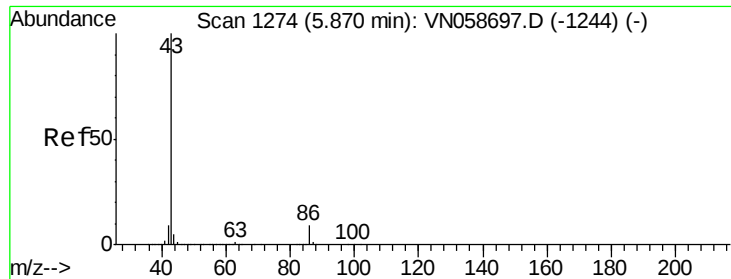
Diisopropyl ether
Concen: 0.954 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 45 Resp: 14839
Ion Ratio Lower Upper
45 100
43 100.2 50.6 75.8#
87 24.9 21.1 31.7
59 14.3 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

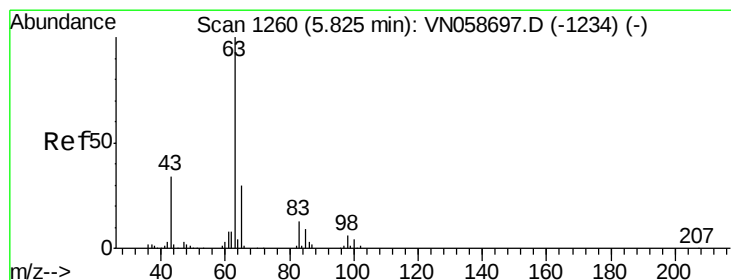
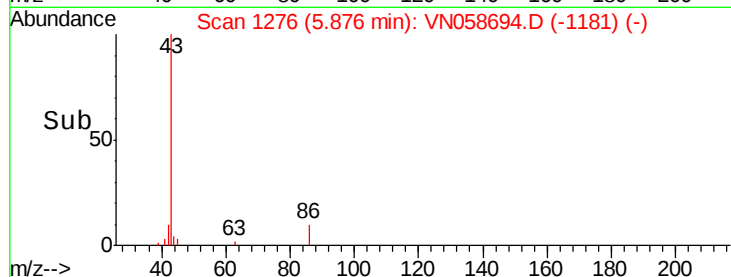
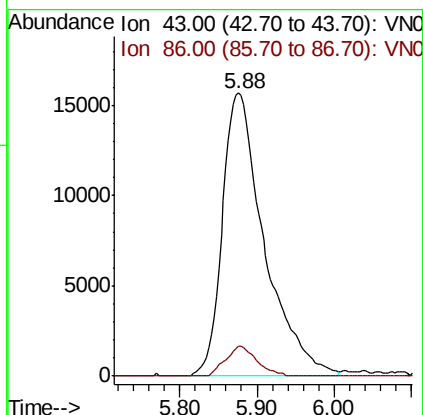
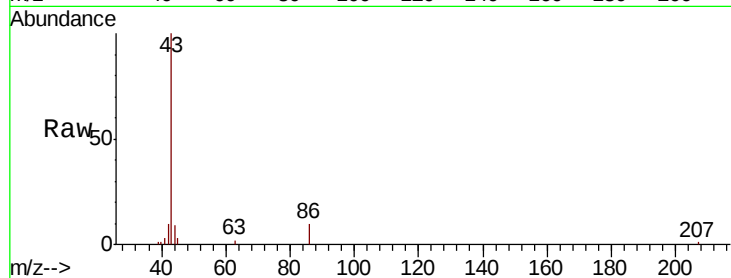




#23
 Vinyl Acetate
 Concen: 4.992 ug/l
 RT: 5.88 min Scan# 1276
 Delta R.T. 0.01 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

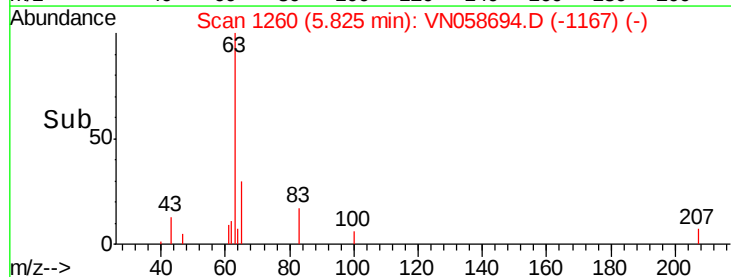
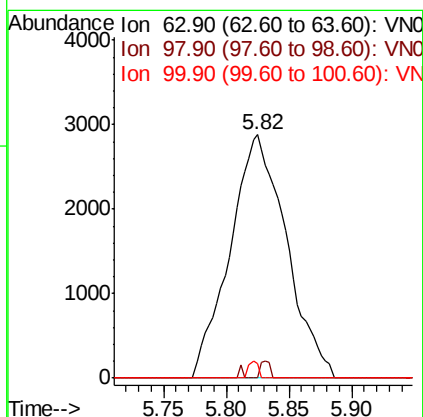
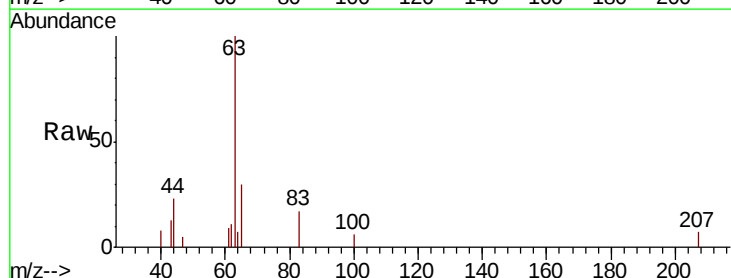
Instrument :
 MSVOA_N
 ClientSampleId :

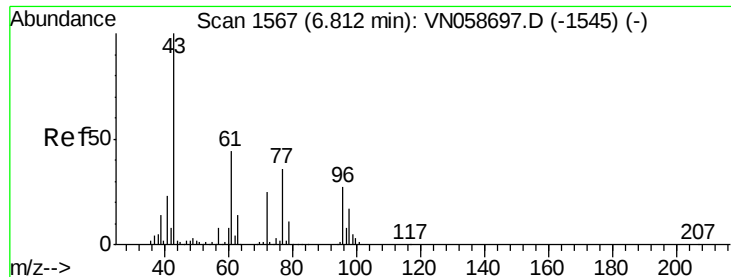
Tot Ion: 43 Resp: 59055
 Ion Ratio Lower Upper
 43 100
 86 10.4 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 1.030 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 63 Resp: 8997
 Ion Ratio Lower Upper
 63 100
 98 0.0 2.9 8.6#
 100 6.0 1.8 5.5#

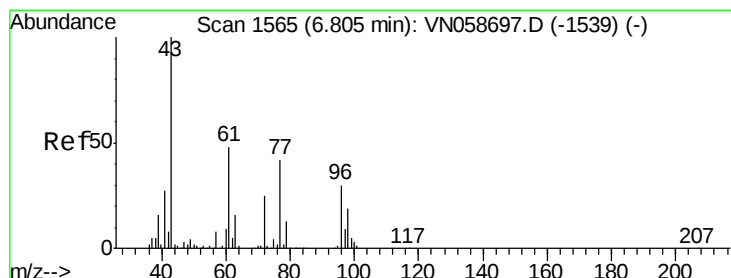
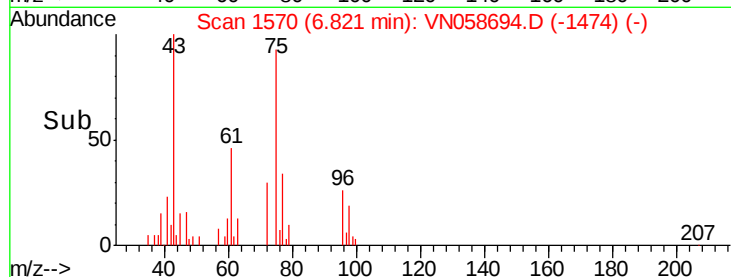
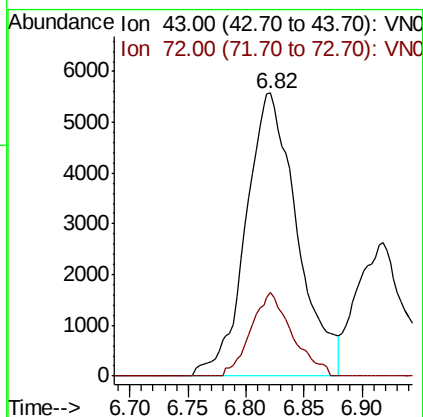
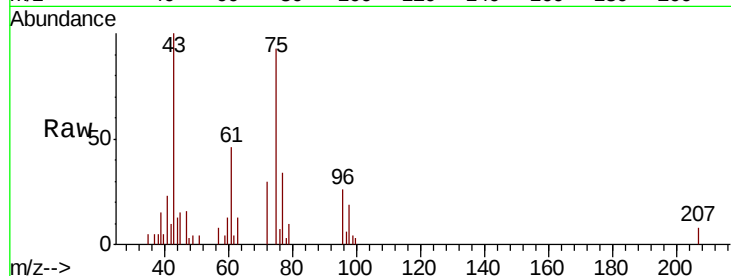




#25
2-Butanone
Concen: 5.788 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

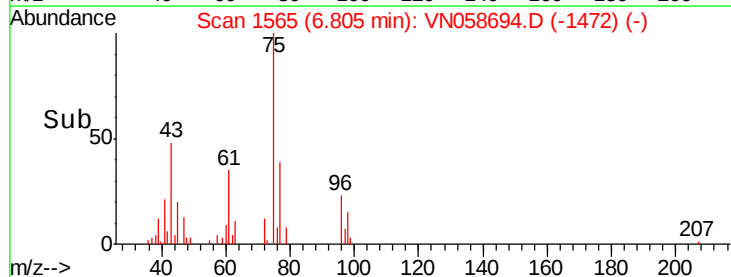
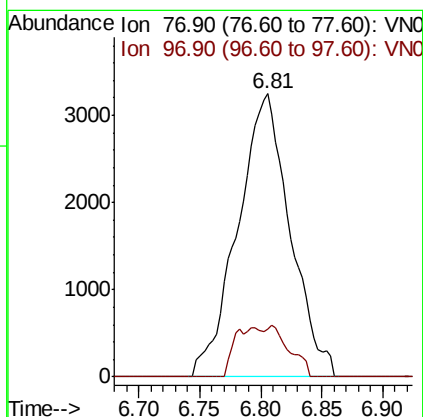
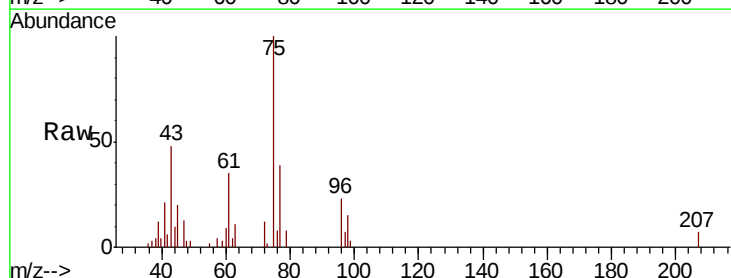
Instrument :
MSVOA_N
ClientSampled :

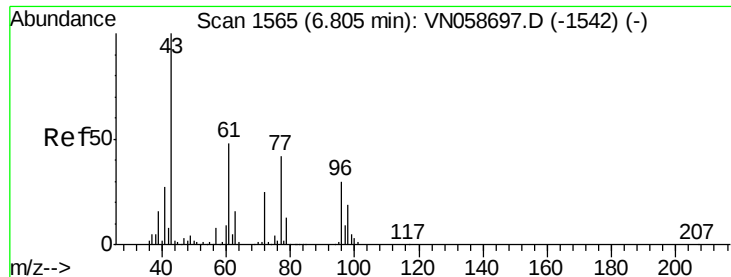
Tot Ion: 43 Resp: 17157
Ion Ratio Lower Upper
43 100
72 29.6 20.2 30.2



#26
2,2-Dichloropropane
Concen: 1.333 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 77 Resp: 9669
Ion Ratio Lower Upper
77 100
97 0.0 10.7 31.9#





#27

cis-1,2-Dichloroethene

Concen: 1.145 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

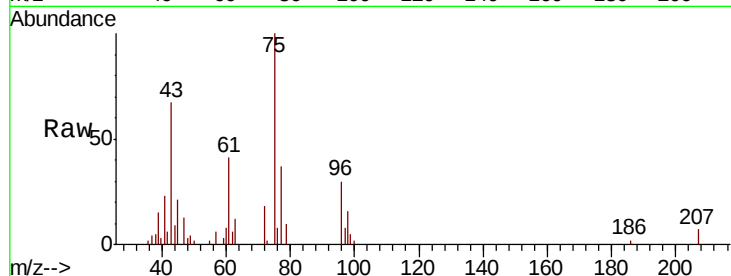
Tot Ion: 96 Resp: 5867

Ion Ratio Lower Upper

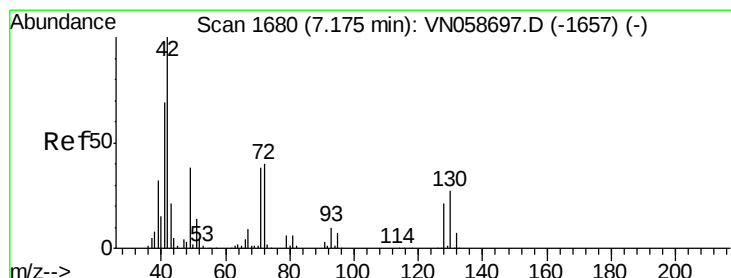
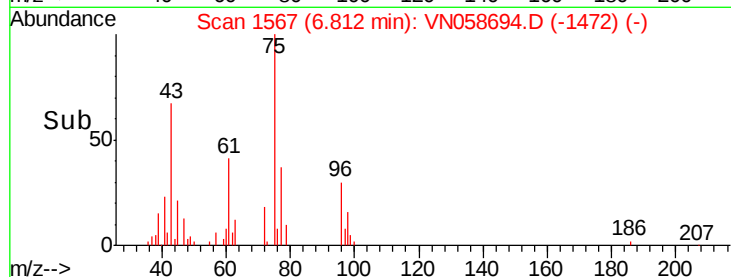
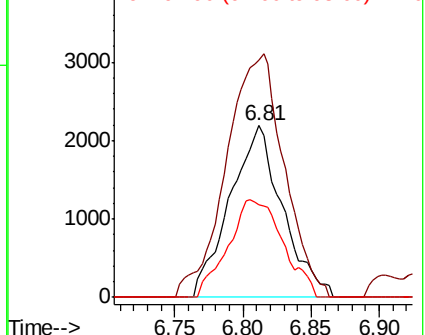
96 100

61 156.0 0.0 324.8

98 59.2 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: 0.984 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

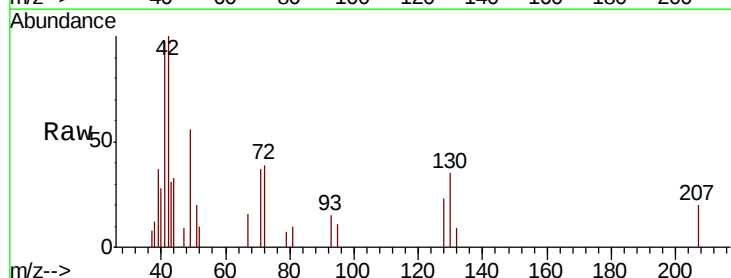
Tgt Ion: 49 Resp: 3347

Ion Ratio Lower Upper

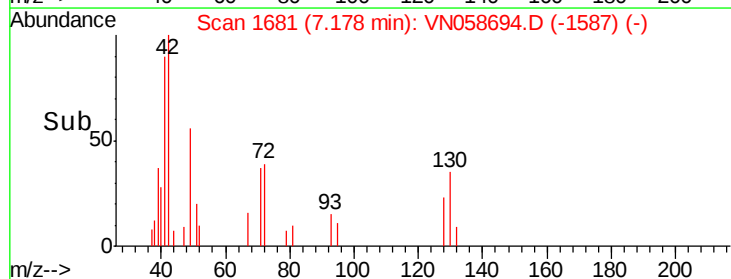
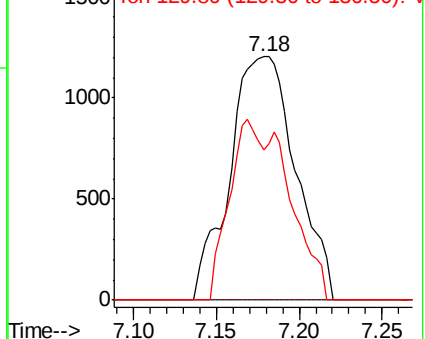
49 100

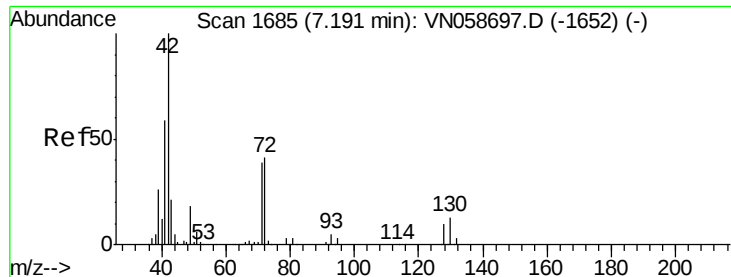
129 0.0 0.0 3.6

130 36.8 55.0 82.4#



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

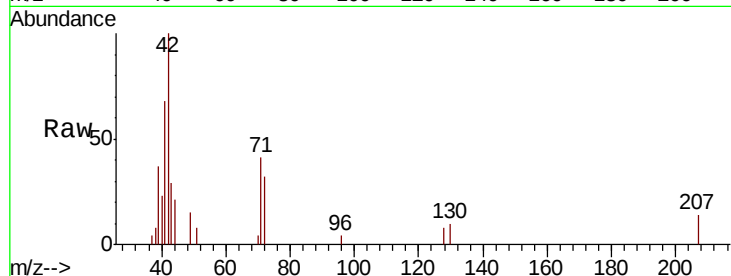




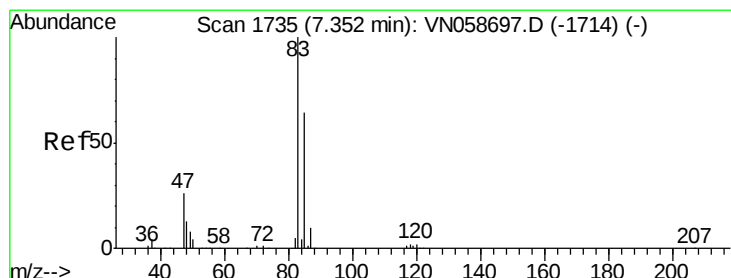
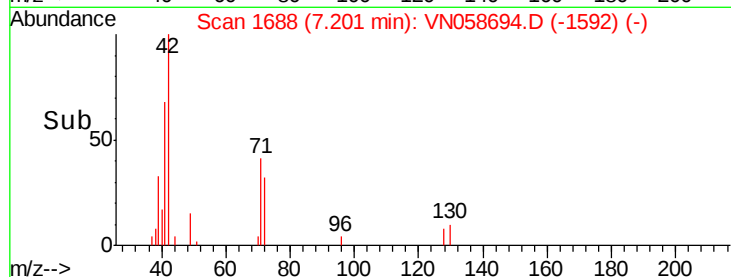
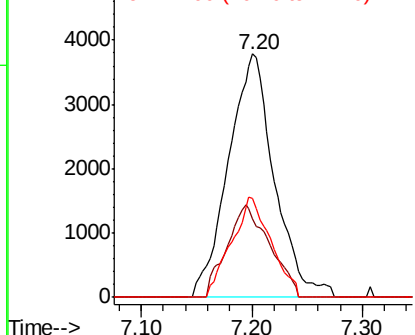
#29
Tetrahydrofuran
Concen: 5.775 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 10918
Ion Ratio Lower Upper
42 100
72 35.4 32.8 49.2
71 35.4 31.1 46.7

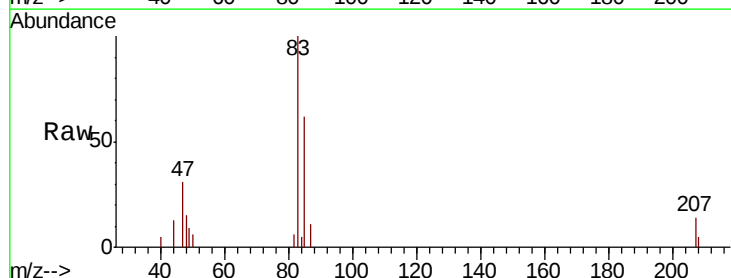


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

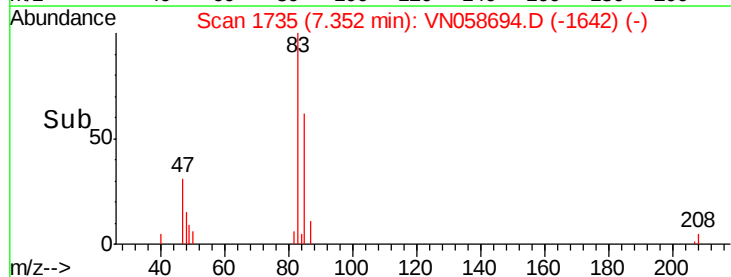
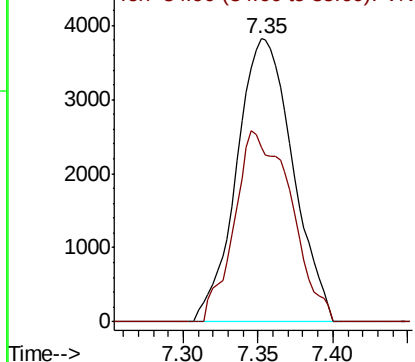


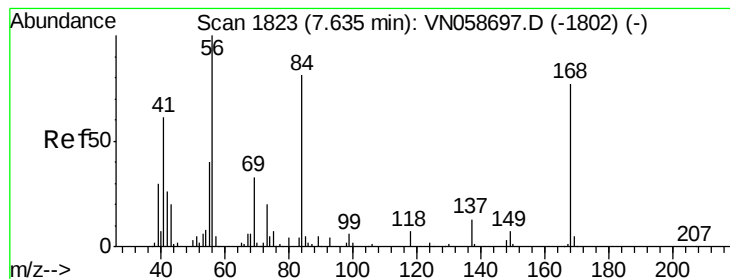
#30
Chloroform
Concen: 1.132 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 83 Resp: 9982
Ion Ratio Lower Upper
83 100
85 61.5 51.0 76.6



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





#31

Cyclohexane

Concen: 2.073 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

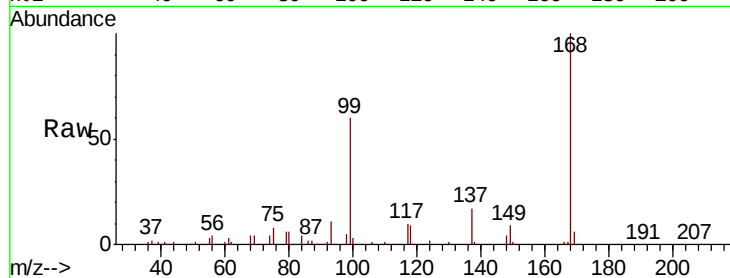
Tot Ion: 56 Resp: 17573

Ion Ratio Lower Upper

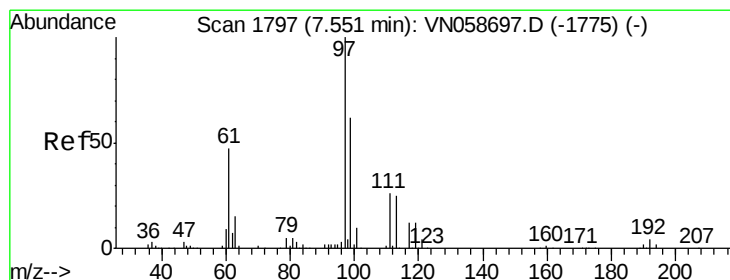
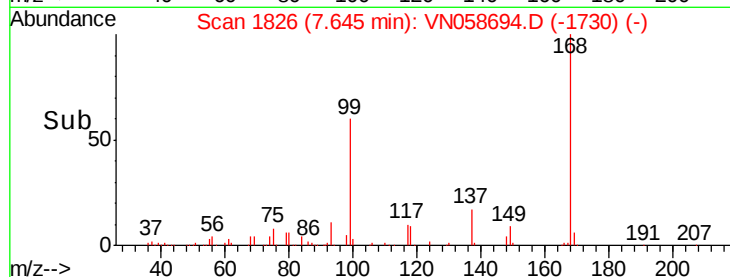
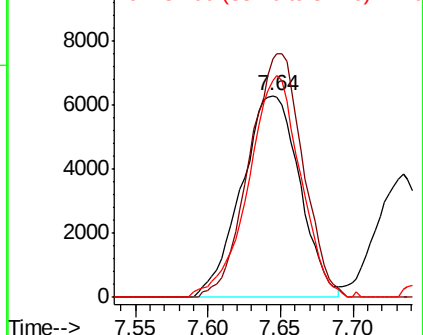
56 100

69 118.2 26.2 39.4#

84 107.5 64.9 97.3#



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



#32

1,1,1-Trichloroethane

Concen: 1.036 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

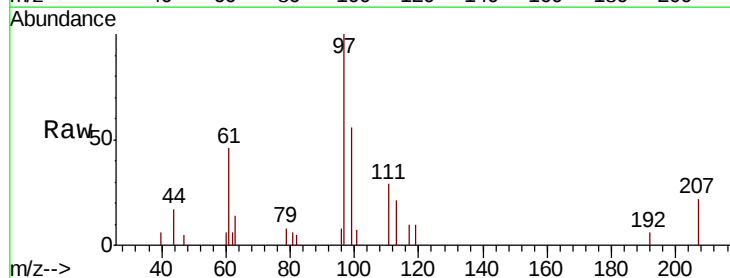
Tgt Ion: 97 Resp: 7557

Ion Ratio Lower Upper

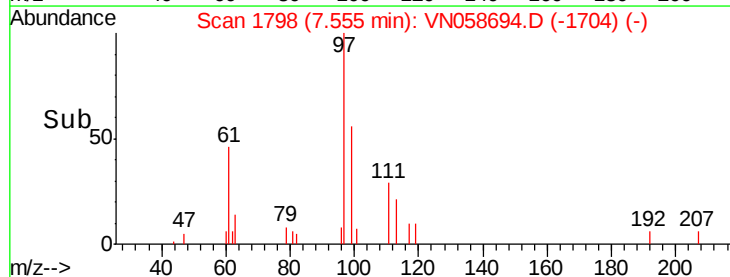
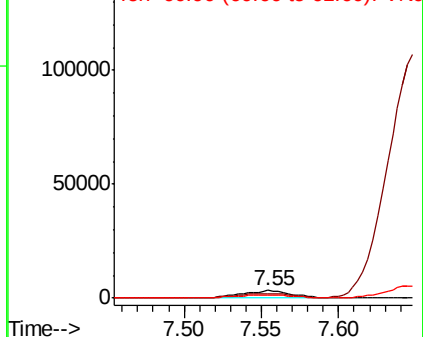
97 100

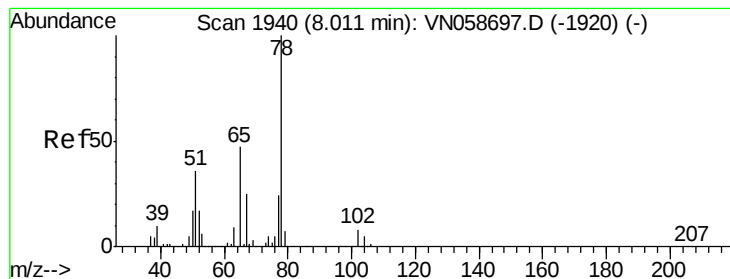
99 0.0 50.8 76.2#

61 51.0 38.1 57.1



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





#33

1,2-Dichloroethane-d4

Concen: 0.973 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

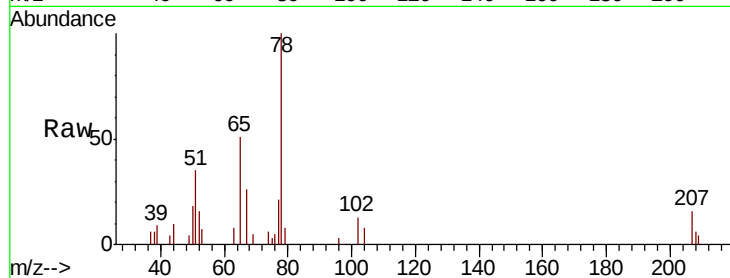
ClientSampleId :

Tot Ion: 65 Resp: 5899

Ion Ratio Lower Upper

65 100

67 54.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058694.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058694.D (-1847) (-)

8.01

2500

2000

1500

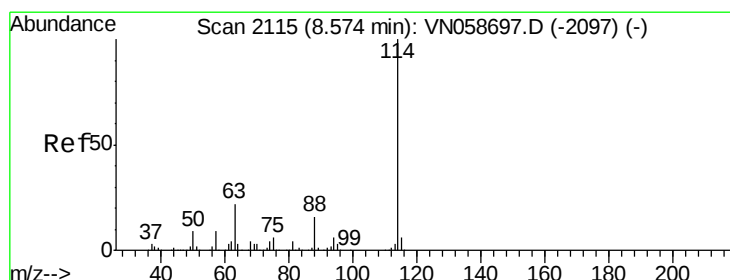
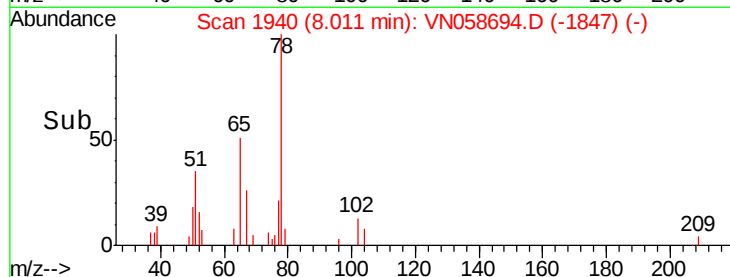
1000

500

0

7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

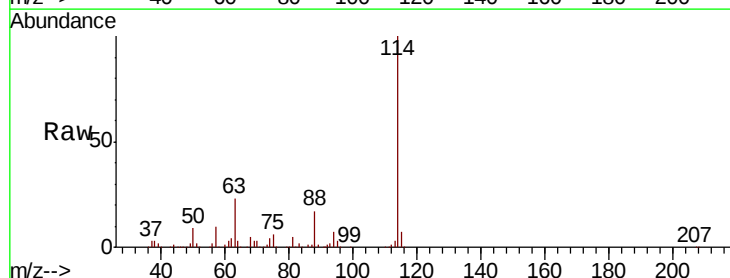
Tgt Ion: 114 Resp: 682196

Ion Ratio Lower Upper

114 100

63 22.7 0.0 43.8

88 16.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VN058694.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058694.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058694.D (-2022) (-)

8.57

400000

300000

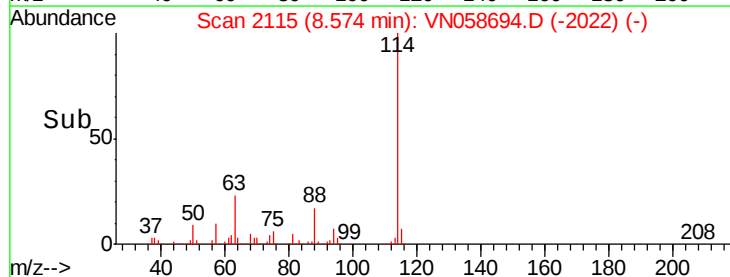
200000

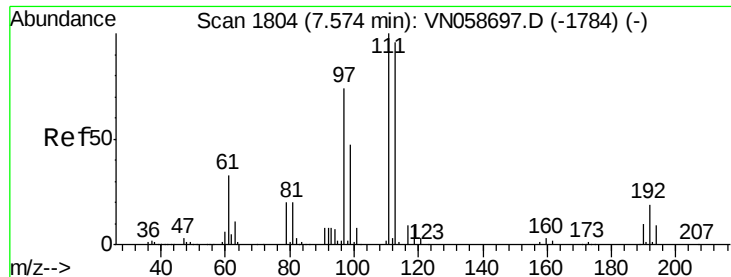
100000

0

8.50 8.60 8.70

Time-->

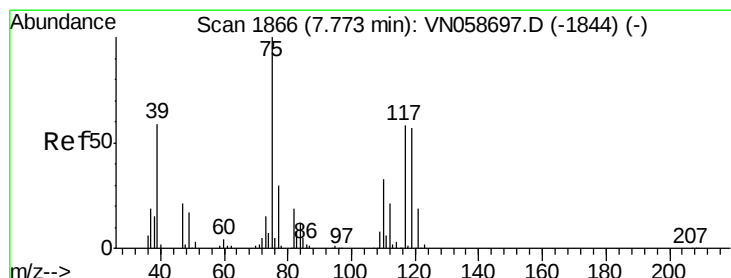
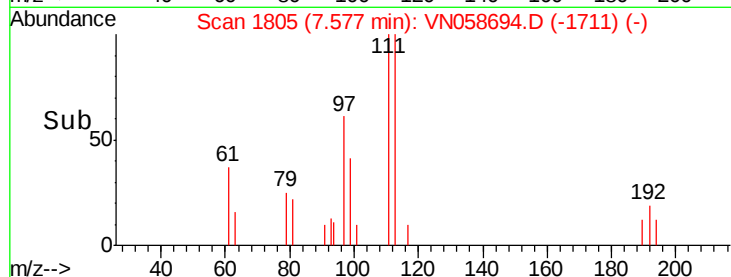
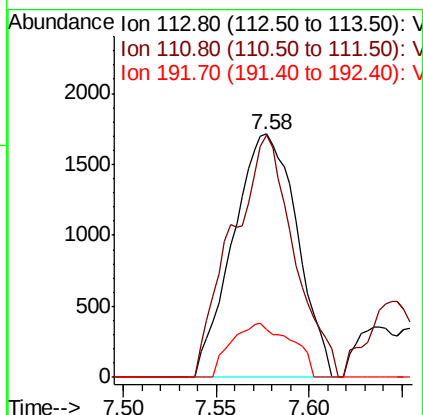
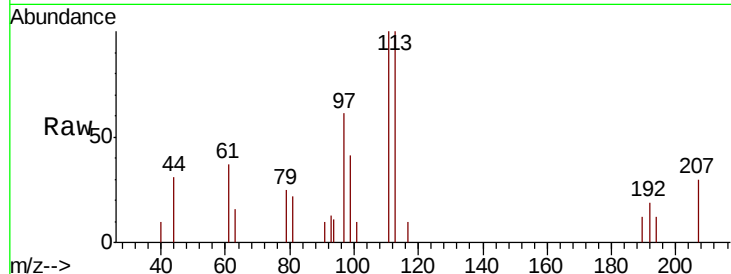




#35
 Dibromofluoromethane
 Concen: 0.987 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

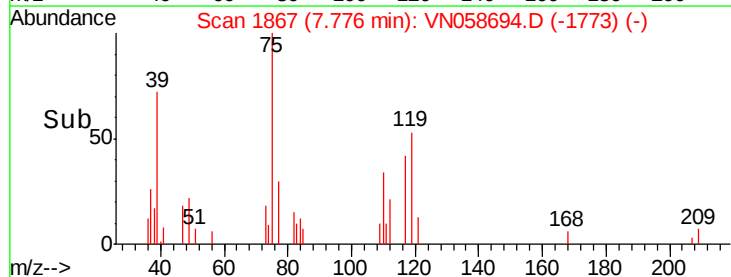
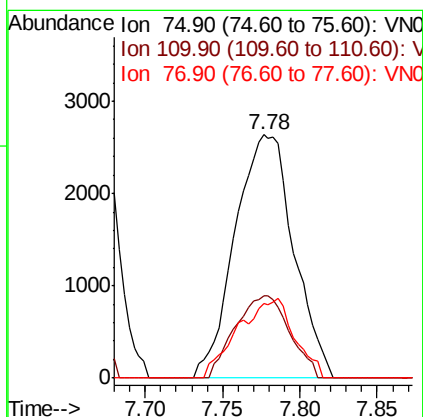
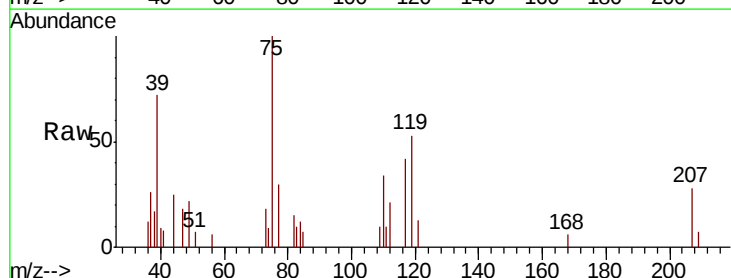
Instrument :
 MSVOA_N
 ClientSampleId :

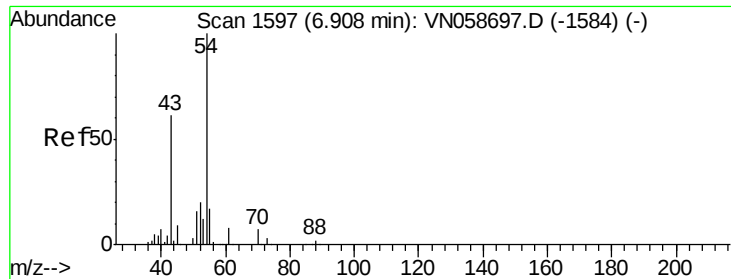
Tot Ion:113 Resp: 4119
 Ion Ratio Lower Upper
 113 100
 111 96.4 82.3 123.5
 192 20.8 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 1.060 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 75 Resp: 6958
 Ion Ratio Lower Upper
 75 100
 110 31.4 16.6 49.8
 77 31.4 24.6 37.0

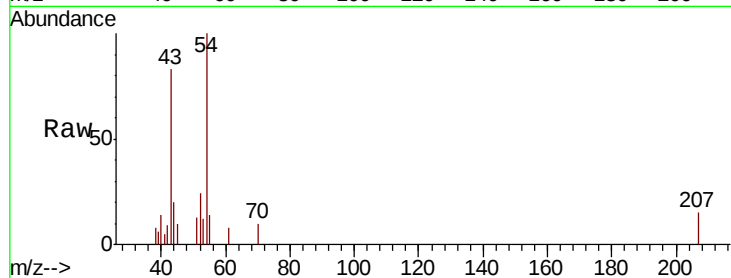




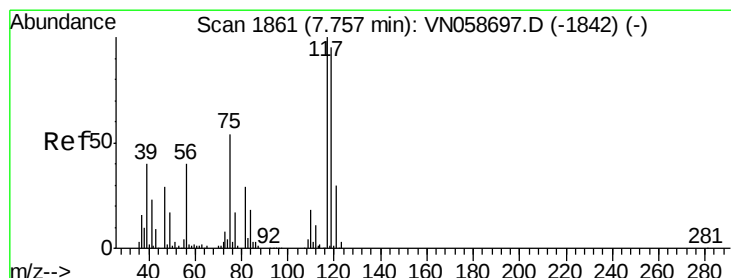
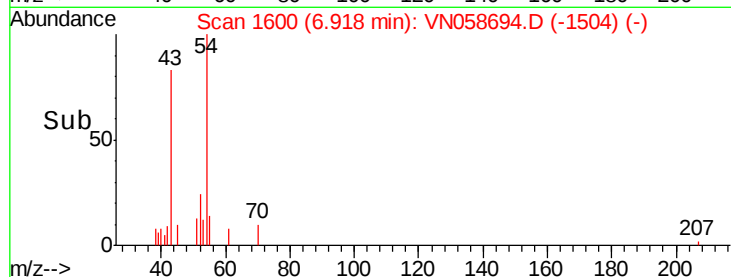
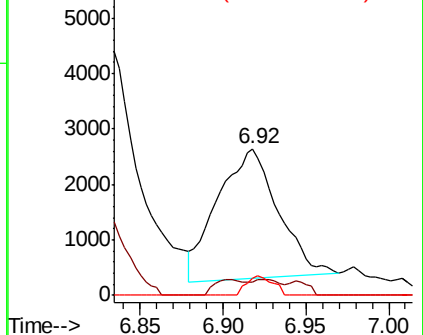
#37
Ethyl Acetate
Concen: 1.026 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 5908
Ion Ratio Lower Upper
43 100
61 6.3 11.3 16.9#
70 6.6 7.2 10.8#

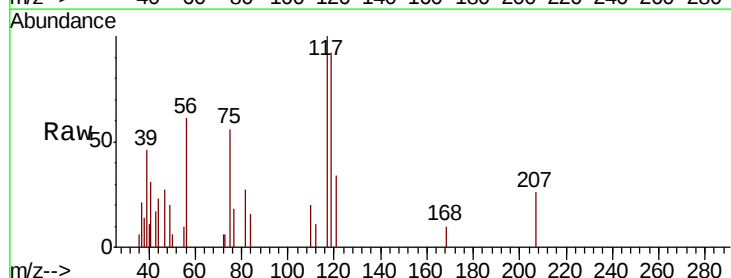


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

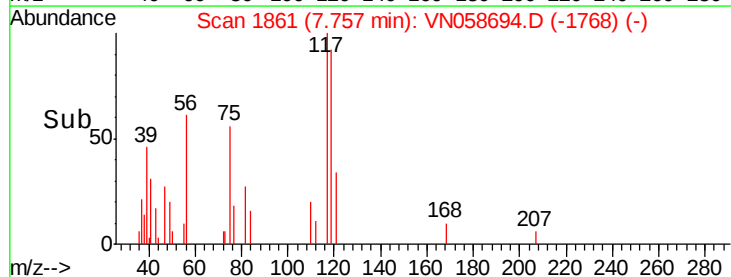
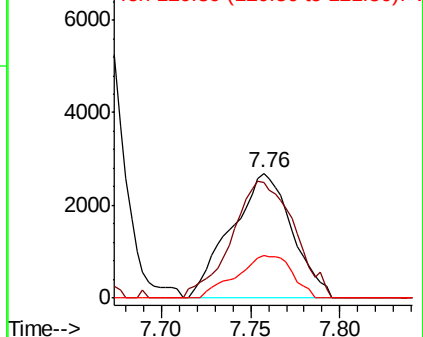


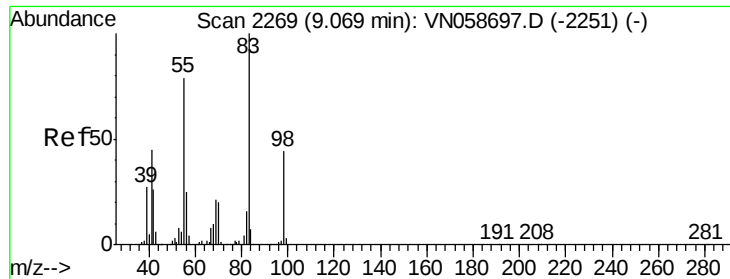
#38
Carbon Tetrachloride
Concen: 1.067 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 117 Resp: 6402
Ion Ratio Lower Upper
117 100
119 92.2 75.7 113.5
121 33.8 23.9 35.9



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

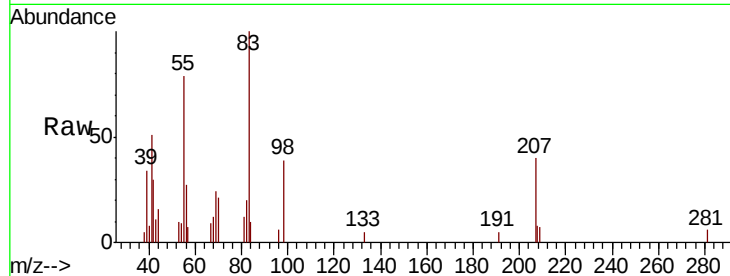




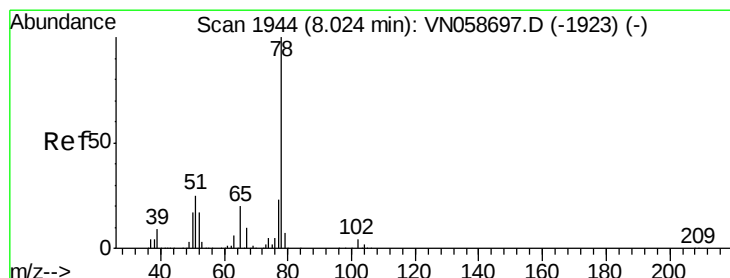
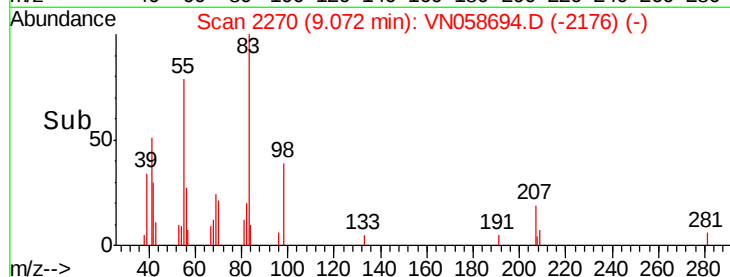
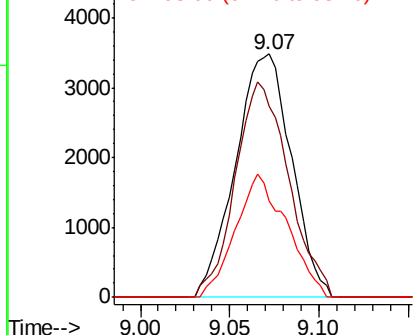
#39
Methvlcvclohexane
Concen: 0.991 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 7614
Ion Ratio Lower Upper
83 100
55 78.5 63.4 95.0
98 39.5 35.1 52.7

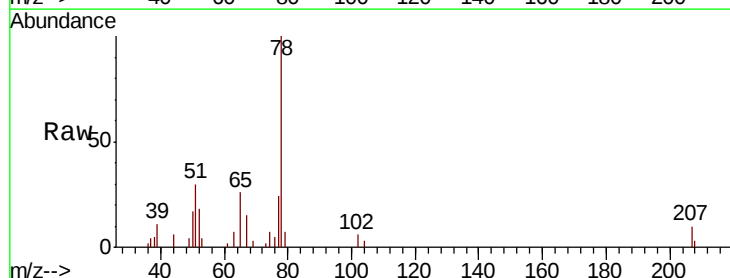


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

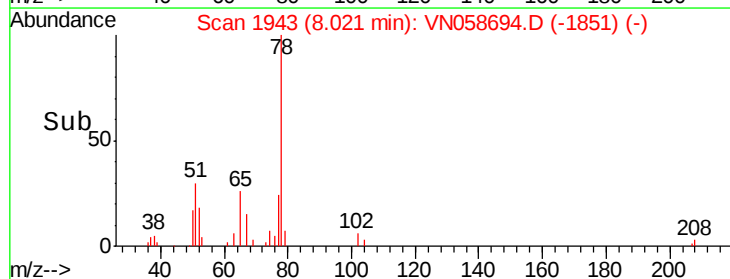
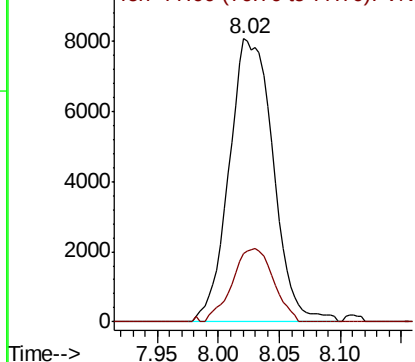


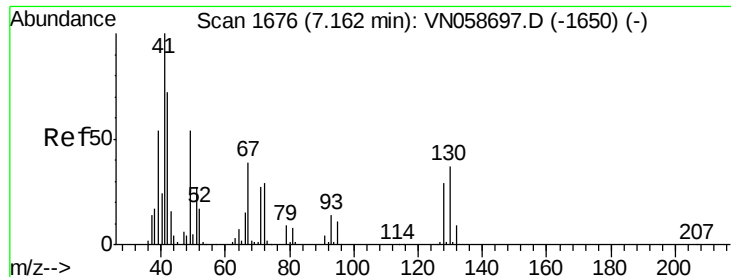
#40
Benzene
Concen: 1.071 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 78 Resp: 20188
Ion Ratio Lower Upper
78 100
77 24.0 18.8 28.2



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

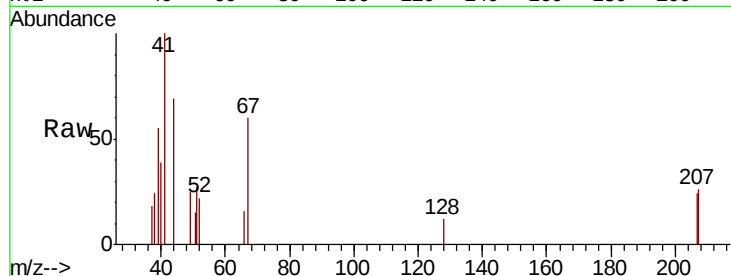




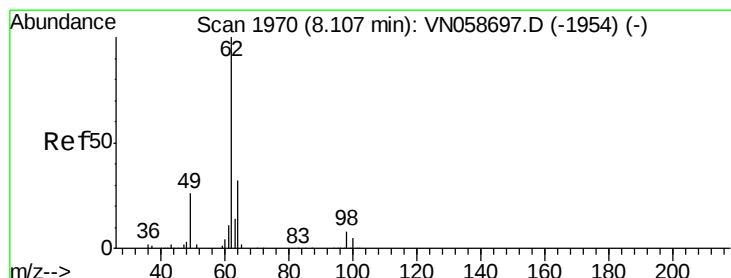
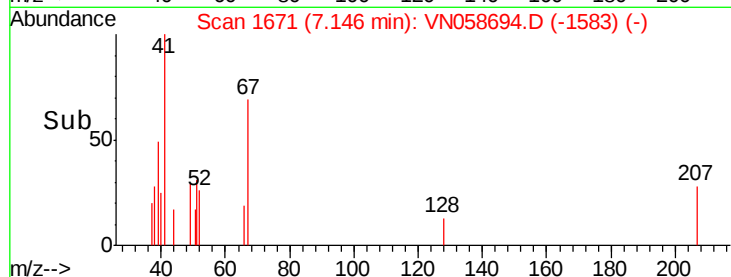
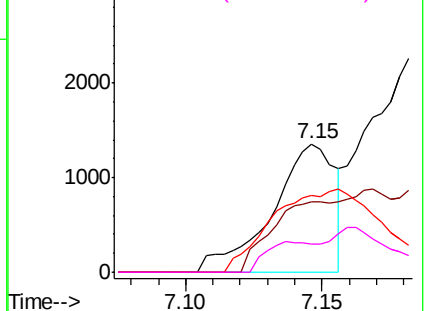
#41
Methacrylonitrile
Concen: 0.804 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.02 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 2170
Ion Ratio Lower Upper
41 100
39 0.0 115.4 173.2#
67 117.9 0.0 0.0#
52 30.1 0.0 0.0#

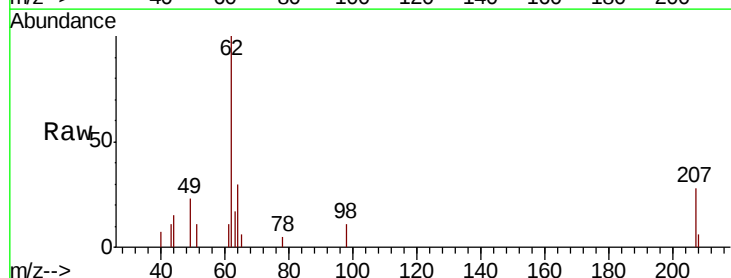


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

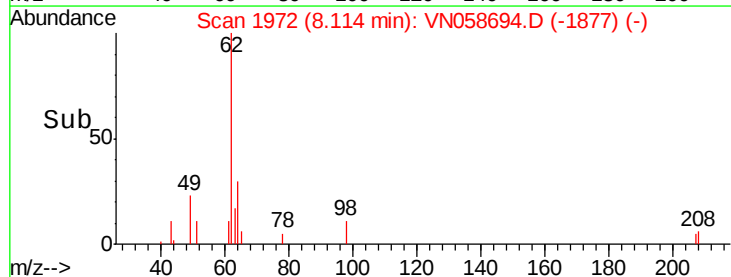
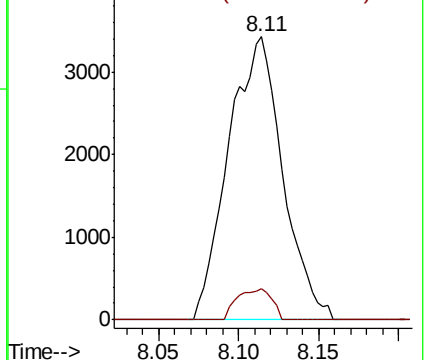


#42
1,2-Dichloroethane
Concen: 1.083 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. 0.01 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 62 Resp: 7938
Ion Ratio Lower Upper
62 100
98 6.9 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 1.130 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

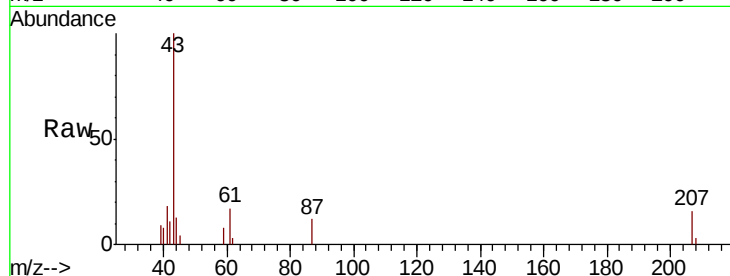
Tot Ion: 43 Resp: 12057

Ion Ratio Lower Upper

43 100

61 14.1 20.3 30.5#

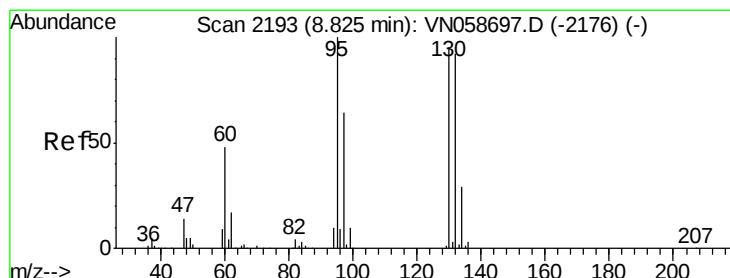
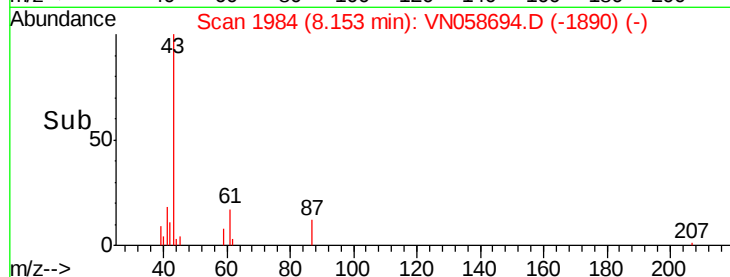
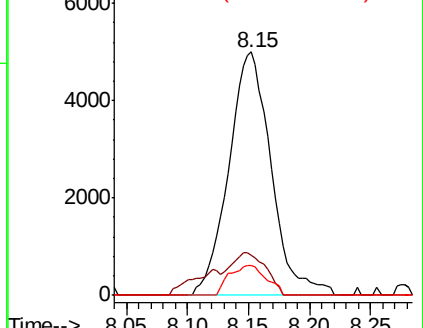
87 10.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058697.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058697.D (-1962) (-)



#44

Trichloroethene

Concen: 1.099 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058694.D

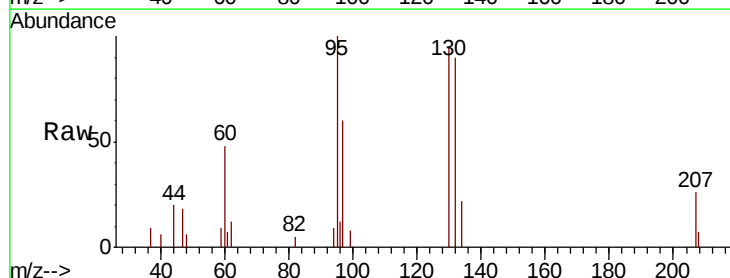
Acq: 11 Oct 2019 11:30

Tgt Ion:130 Resp: 5106

Ion Ratio Lower Upper

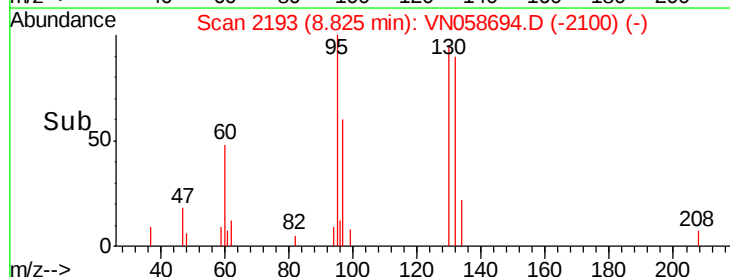
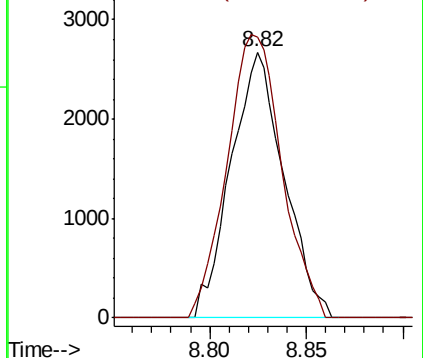
130 100

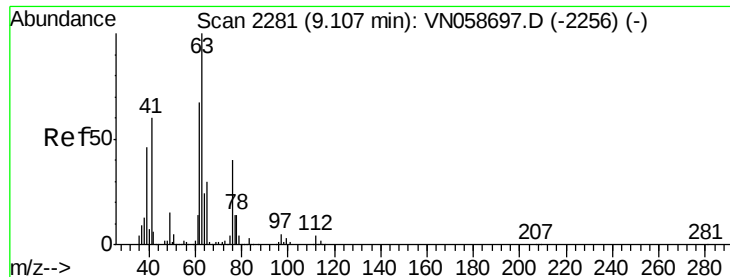
95 105.7 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058697.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058697.D (-2176) (-)

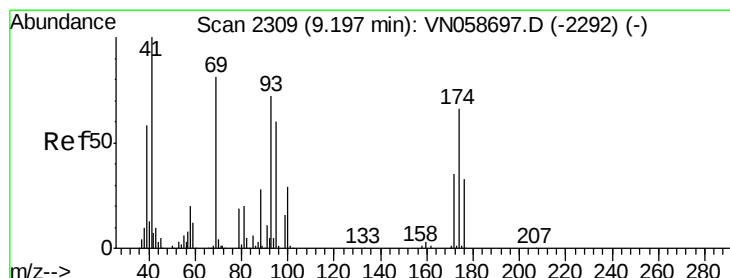
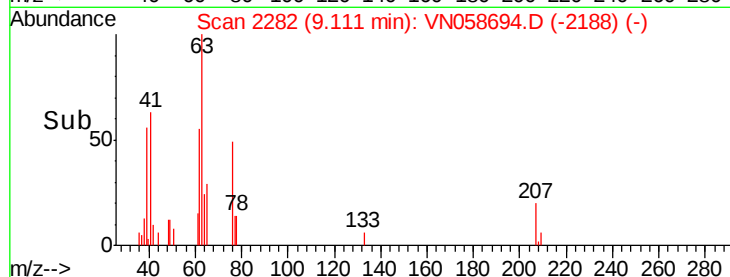
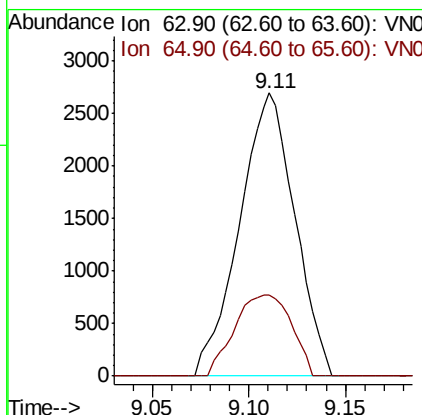
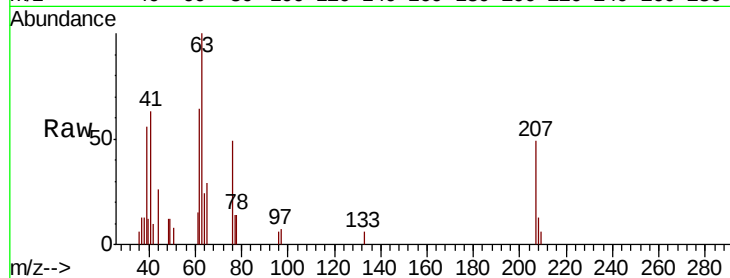




#45
 1,2-Dichloropropane
 Concen: 1.061 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

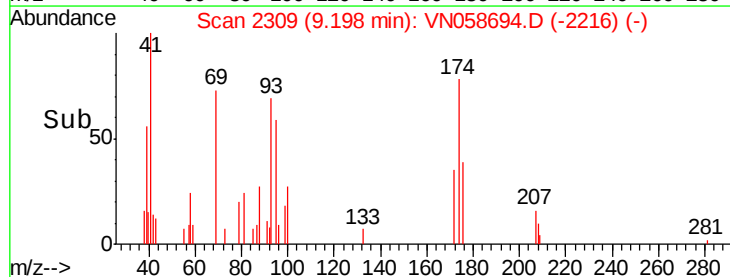
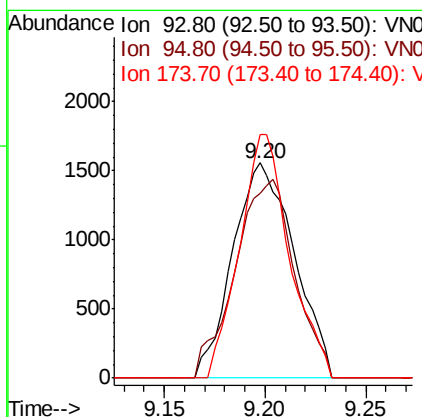
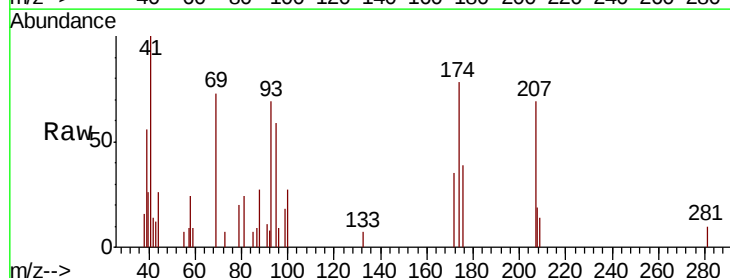
Instrument :
 MSVOA_N
 ClientSampleId :

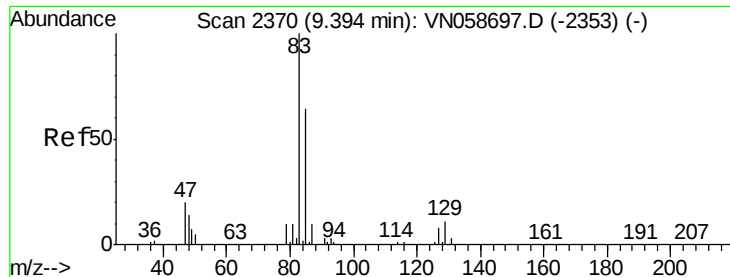
Tot Ion: 63 Resp: 5369
 Ion Ratio Lower Upper
 63 100
 65 28.8 24.1 36.1



#46
 Dibromomethane
 Concen: 1.029 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 93 Resp: 3304
 Ion Ratio Lower Upper
 93 100
 95 89.4 66.6 100.0
 174 92.2 75.2 112.8





#47

Bromodichloromethane

Concen: 1.102 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

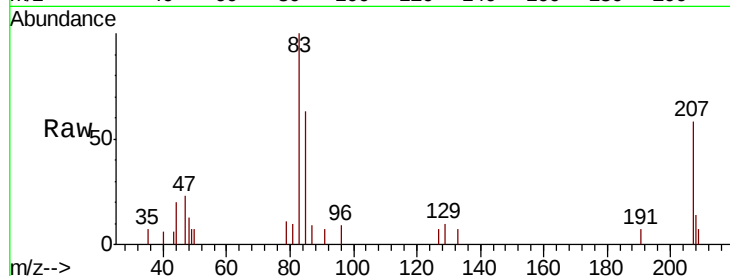
Tot Ion: 83 Resp: 6762

Ion Ratio Lower Upper

83 100

85 62.7 50.9 76.3

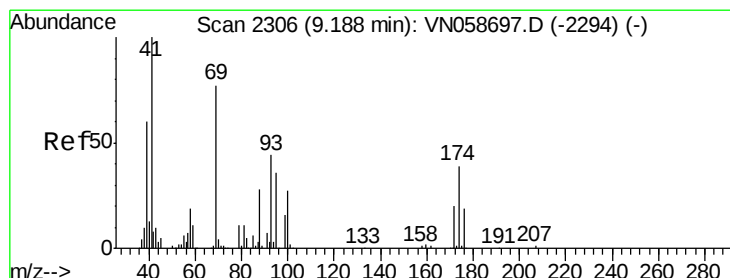
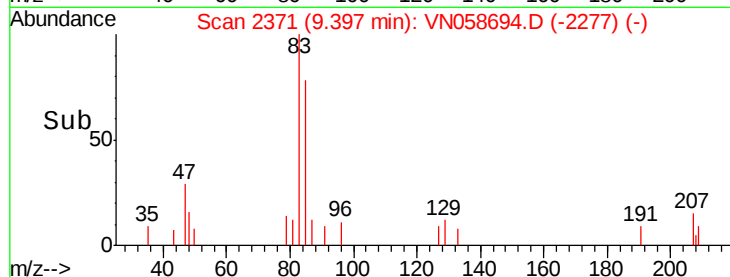
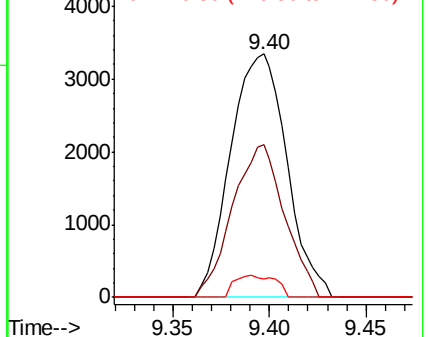
127 7.4 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 1.052 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.01 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

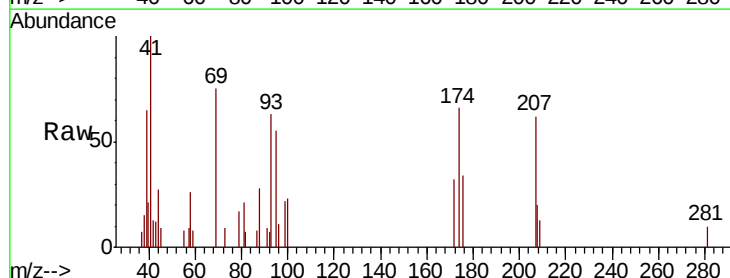
Tgt Ion: 41 Resp: 5098

Ion Ratio Lower Upper

41 100

69 71.8 63.4 95.2

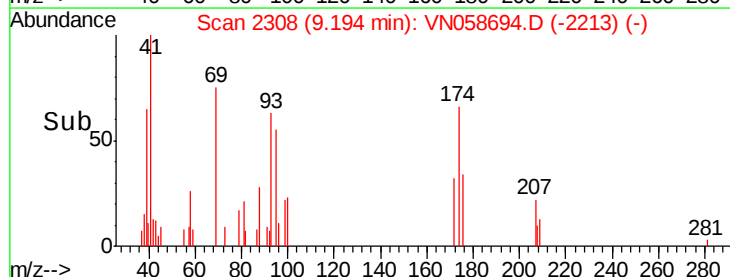
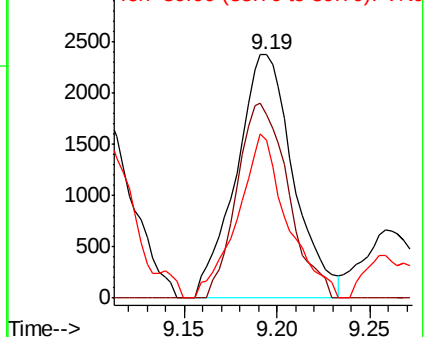
39 58.3 48.9 73.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

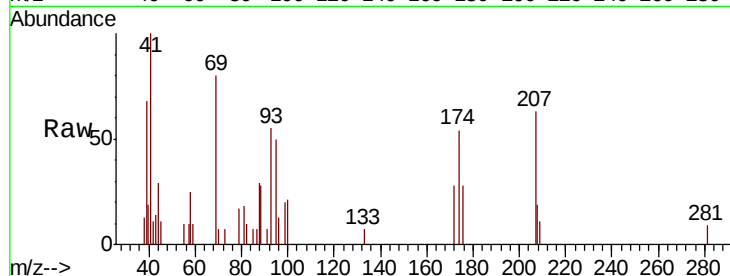




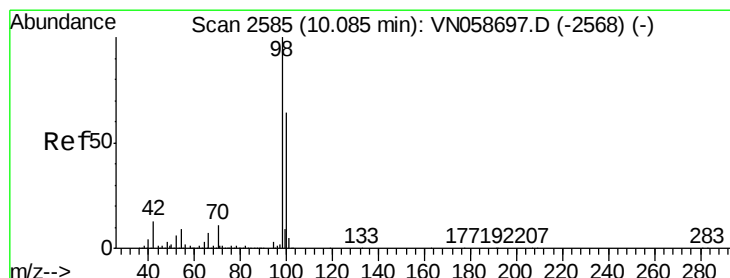
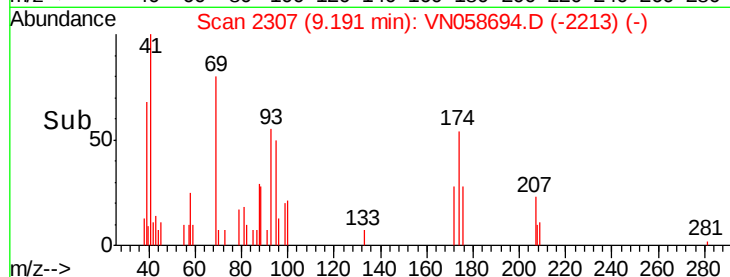
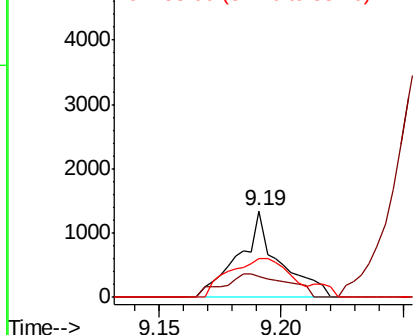
#49
1,4-Dioxane
Concen: 23.255 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 1533
Ion Ratio Lower Upper
88 100
43 43.0 28.6 43.0#
58 67.8 57.2 85.8

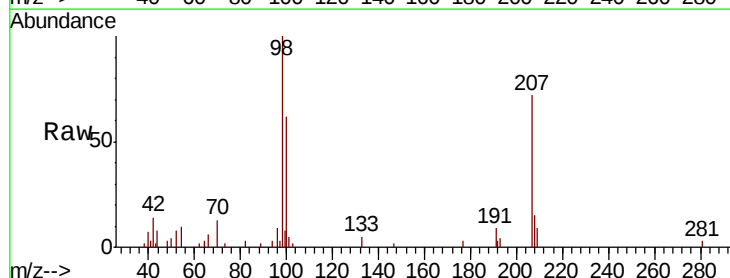


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

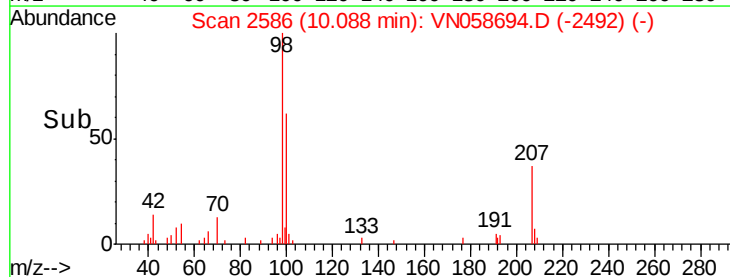
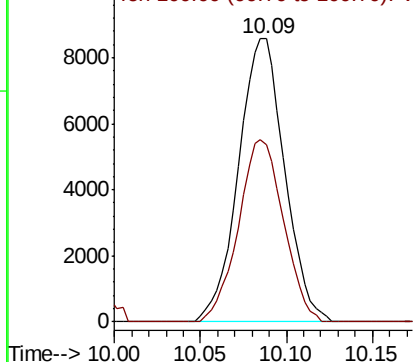


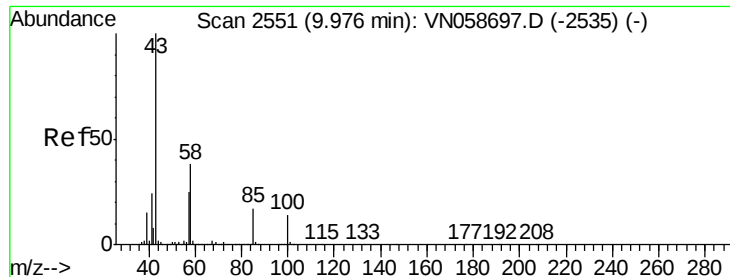
#50
Toluene-d8
Concen: 0.975 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 98 Resp: 15991
Ion Ratio Lower Upper
98 100
100 62.8 51.1 76.7



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: 5.348 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

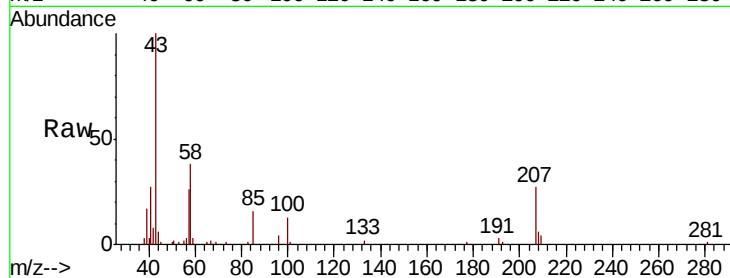
ClientSampleId :

Tot Ion: 43 Resp: 29871

Ion Ratio Lower Upper

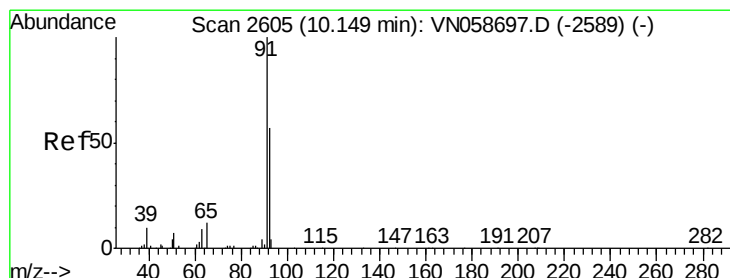
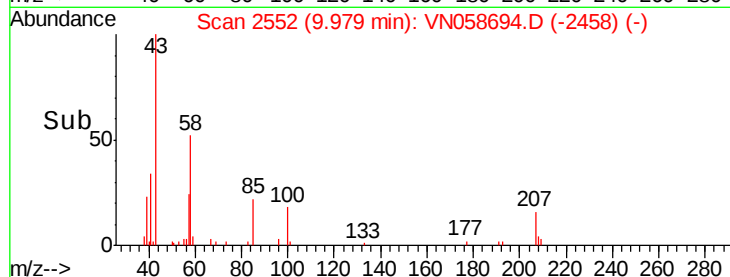
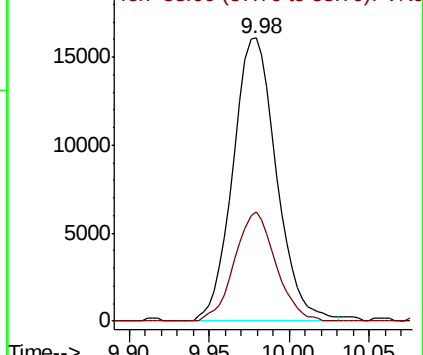
43 100

58 36.4 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D

Ion 58.00 (57.70 to 58.70): VN058697.D



#52

Toluene

Concen: 1.006 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058694.D

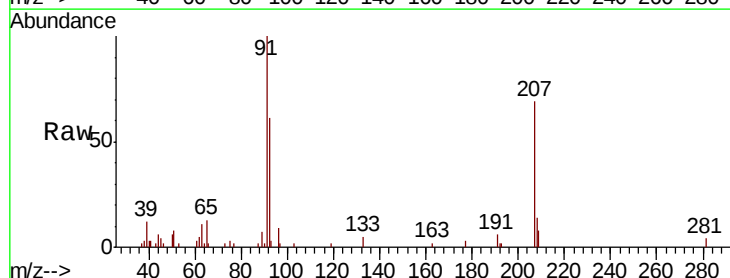
Acq: 11 Oct 2019 11:30

Tgt Ion: 92 Resp: 11958

Ion Ratio Lower Upper

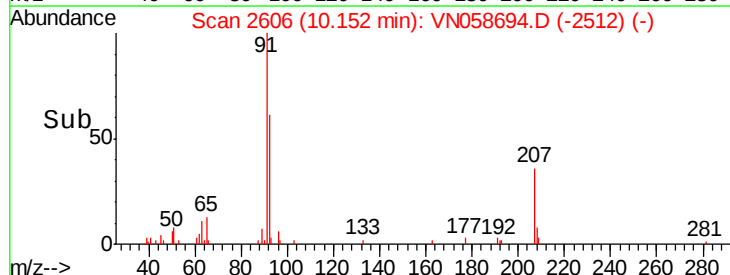
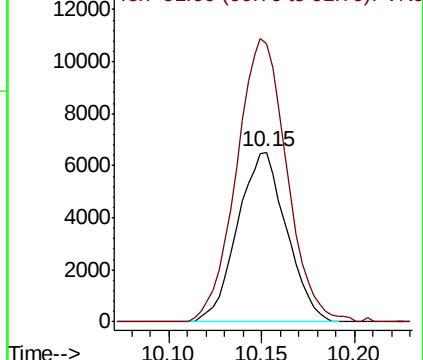
92 100

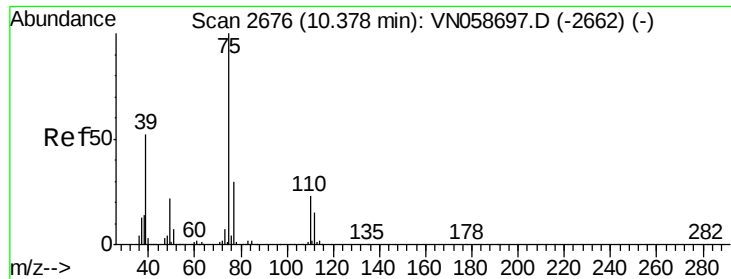
91 171.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D

Ion 91.00 (90.70 to 91.70): VN058697.D





#53

t-1,3-Dichloropropene

Concen: 1.104 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

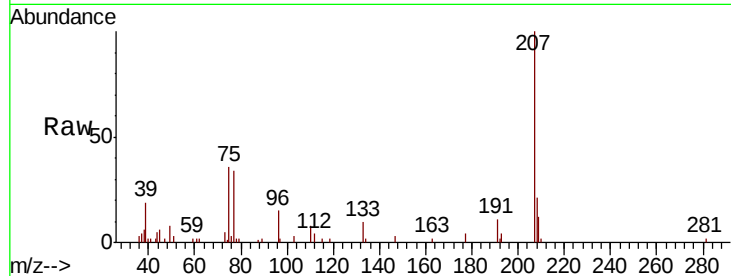
ClientSampled :

Tot Ion: 75 Resp: 7392

Ion Ratio Lower Upper

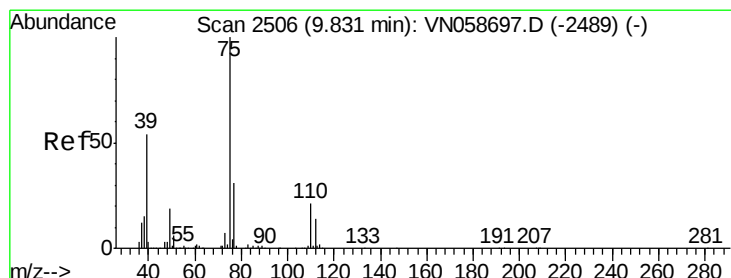
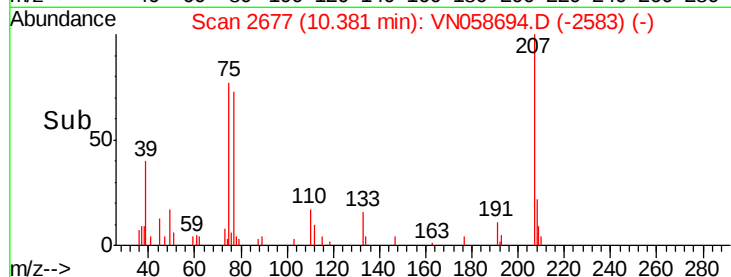
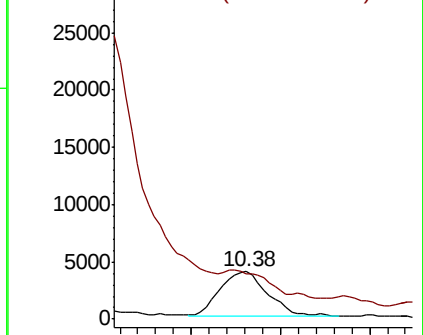
75 100

77 52.0 26.2 39.4#



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: 1.039 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

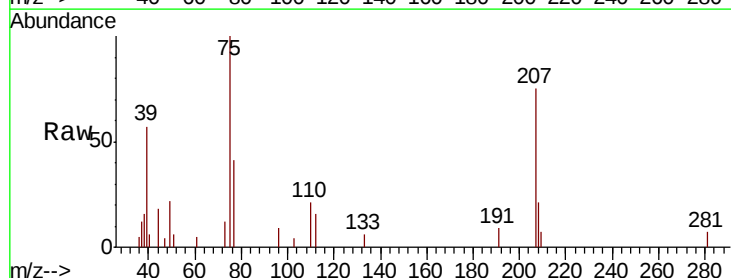
Tgt Ion: 75 Resp: 7674

Ion Ratio Lower Upper

75 100

77 41.4 24.4 36.6#

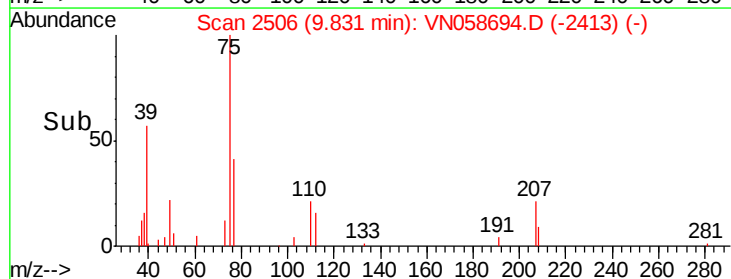
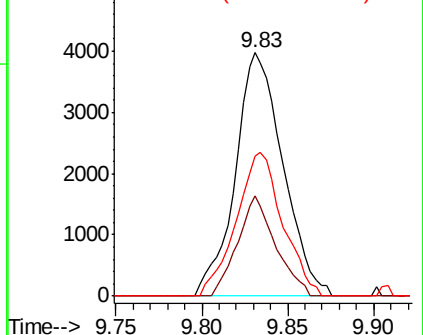
39 57.4 43.1 64.7



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

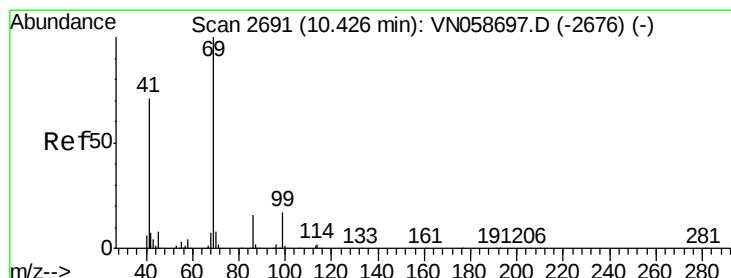
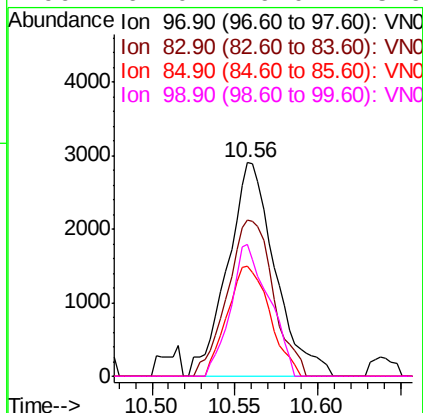
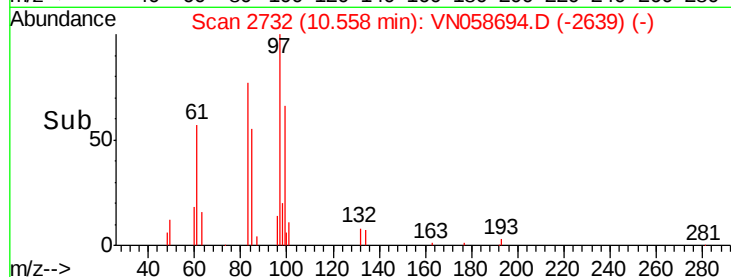
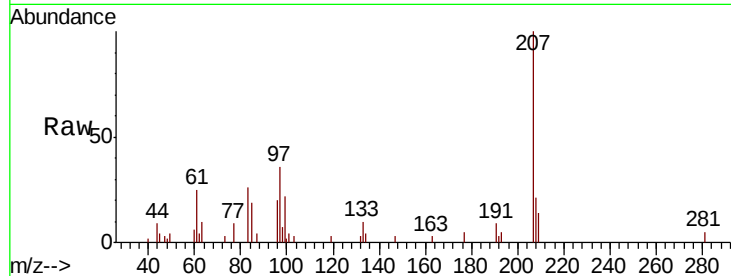




#55
 1,1,2-Trichloroethane
 Concen: 1.332 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

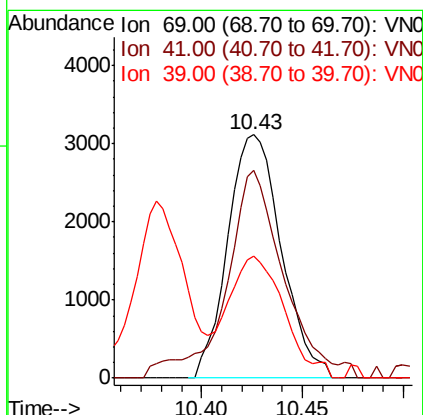
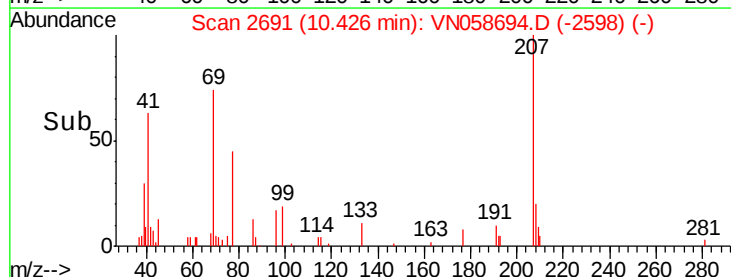
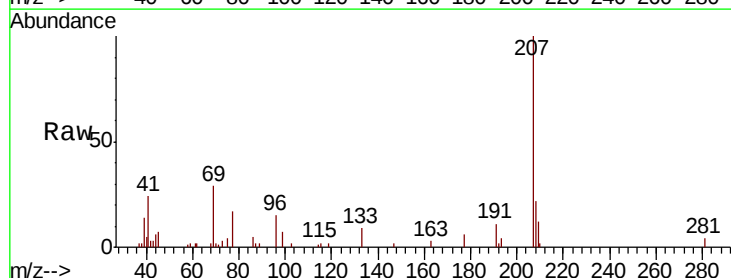
Instrument :
 MSVOA_N
 ClientSampleId :

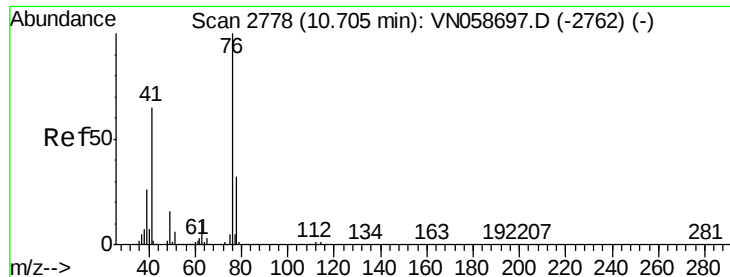
Tot Ion: 97 Resp: 5783
 Ion Ratio Lower Upper
 97 100
 83 73.1 71.2 106.8
 85 51.6 46.7 70.1
 99 62.0 49.0 73.6



#56
 Ethyl methacrylate
 Concen: 0.874 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 69 Resp: 5798
 Ion Ratio Lower Upper
 69 100
 41 91.8 56.8 85.2#
 39 52.5 32.5 48.7#





#57

1,3-Dichloropropane

Concen: 1.085 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

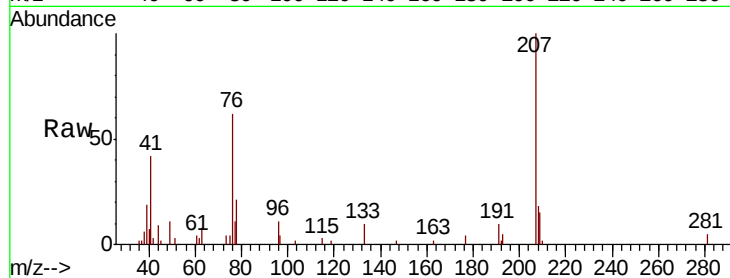
ClientSampled :

Tot Ion: 76 Resp: 8407

Ion Ratio Lower Upper

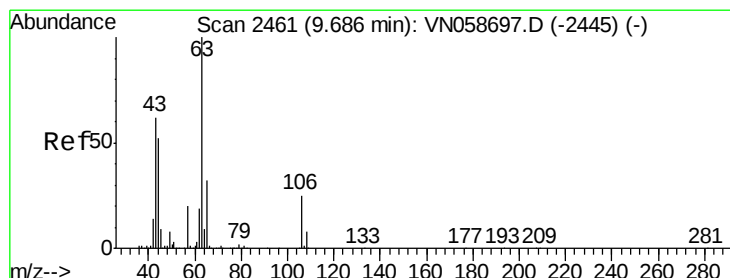
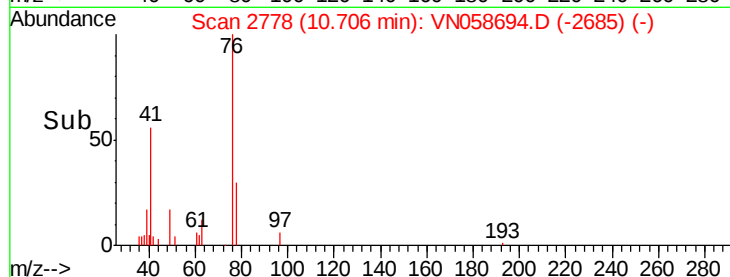
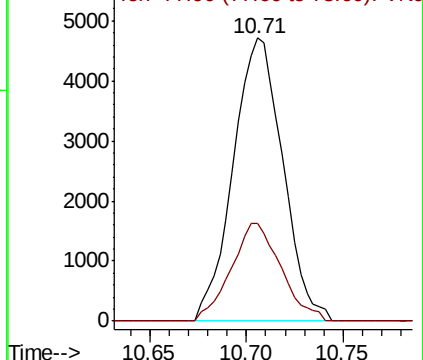
76 100

78 34.7 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 5.671 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058694.D

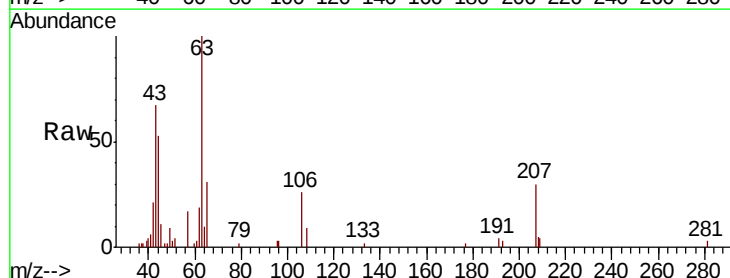
Acq: 11 Oct 2019 11:30

Tgt Ion: 63 Resp: 15573

Ion Ratio Lower Upper

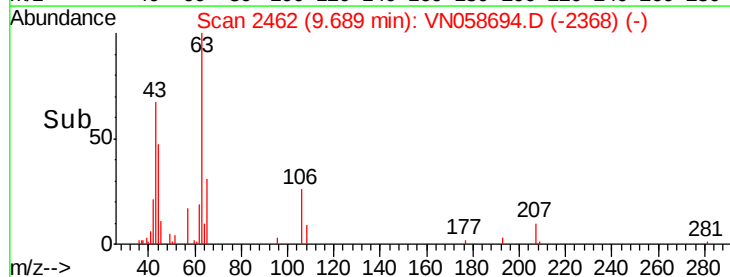
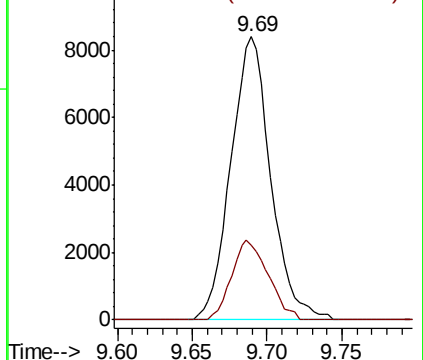
63 100

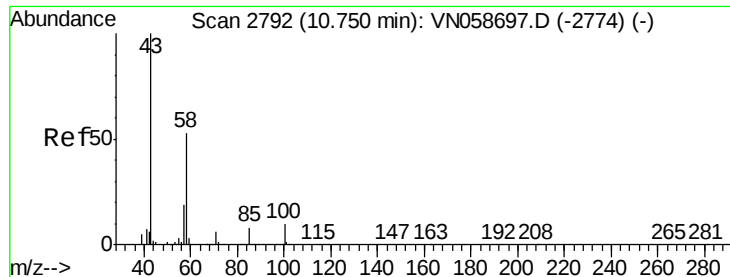
106 25.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

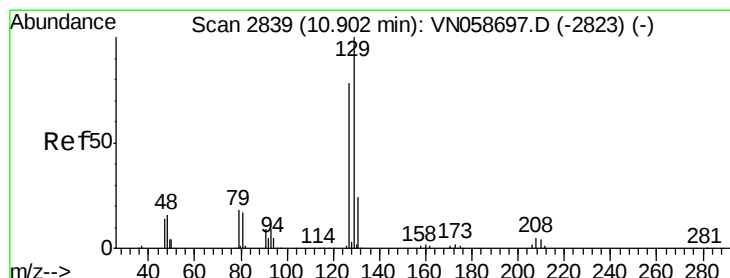
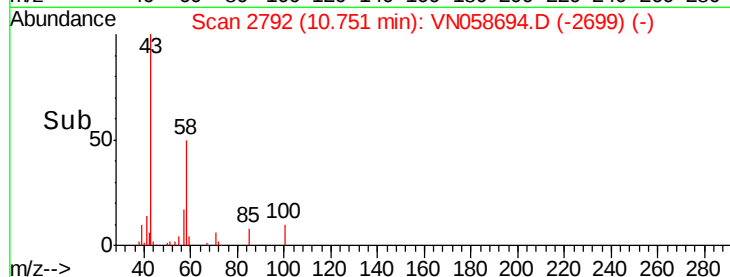
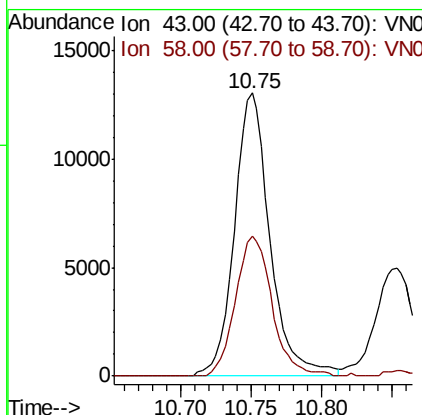
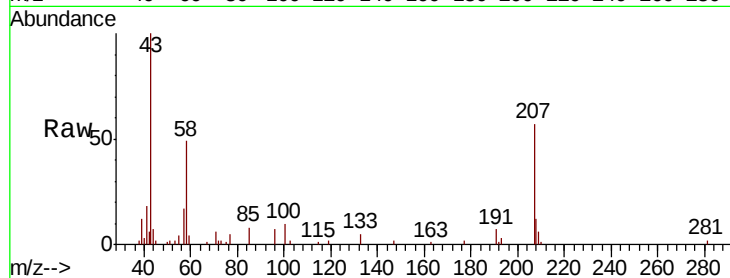




#59
2-Hexanone
Concen: 5.588 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

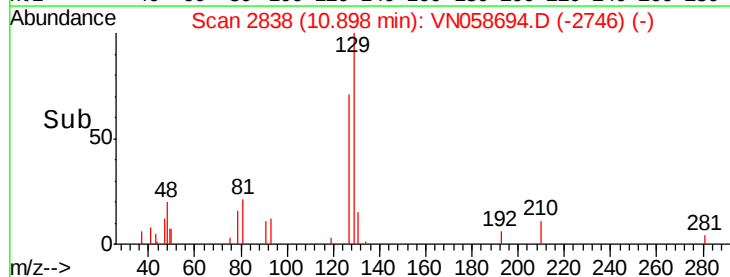
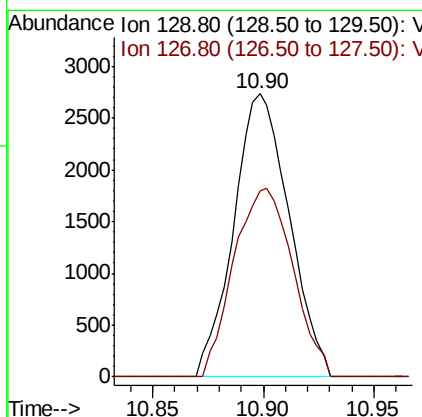
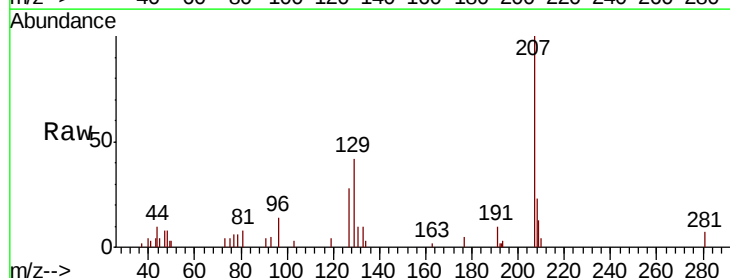
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 22984
Ion Ratio Lower Upper
43 100
58 51.1 26.1 78.3



#60
Dibromochloromethane
Concen: 1.138 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 129 Resp: 4770
Ion Ratio Lower Upper
129 100
127 71.0 38.5 115.3

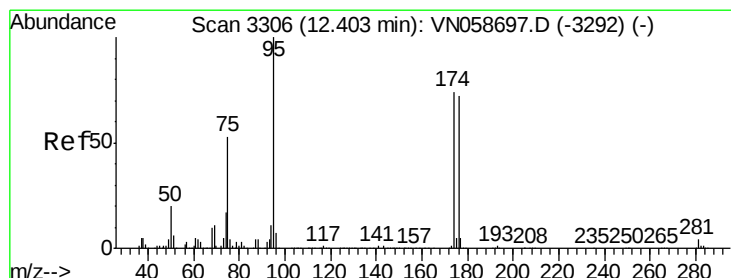
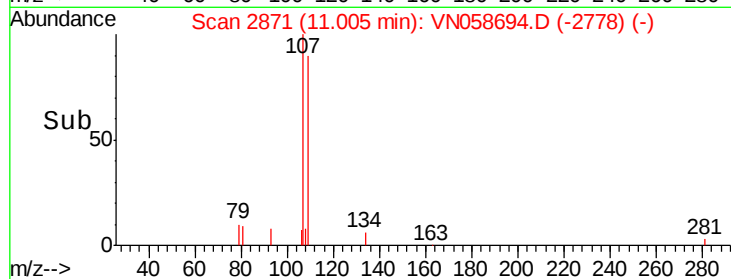
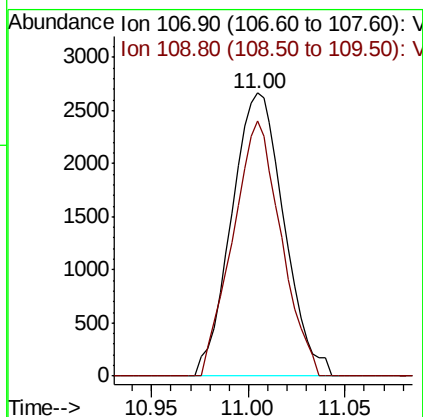
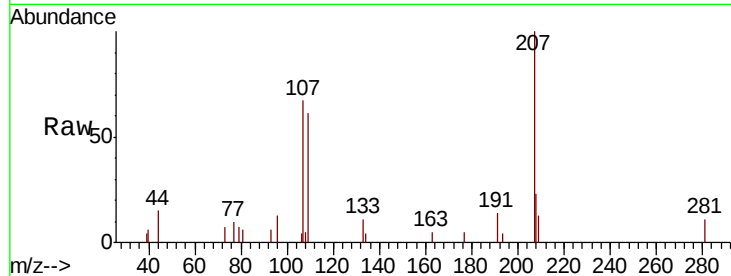




#61
 1,2-Dibromoethane
 Concen: 1.127 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

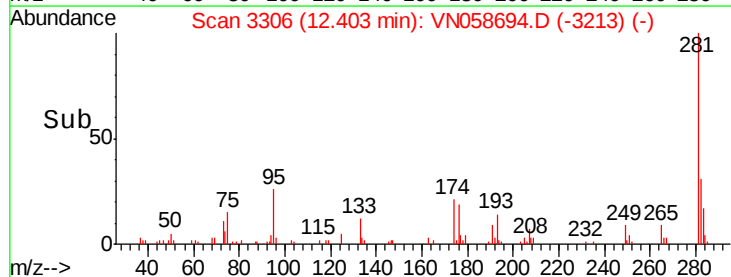
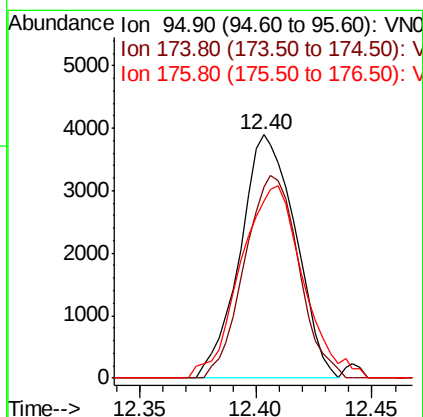
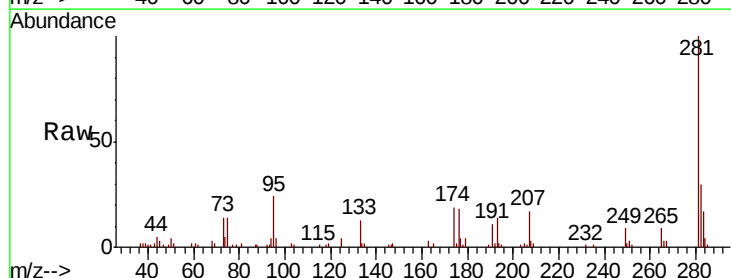
Instrument :
 MSVOA_N
 ClientSampleId :

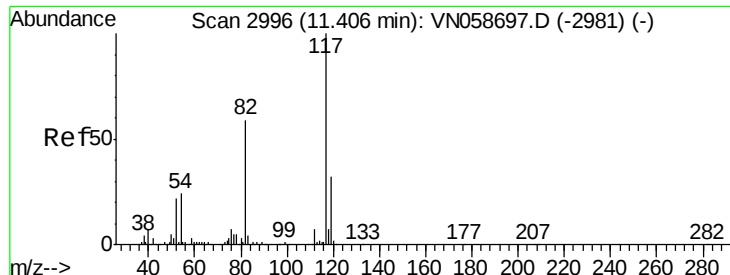
Tot Ion: 107 Resp: 5019
 Ion Ratio Lower Upper
 107 100
 109 82.9 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 1.075 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 95 Resp: 6440
 Ion Ratio Lower Upper
 95 100
 174 81.4 0.0 150.4
 176 89.4 0.0 146.8

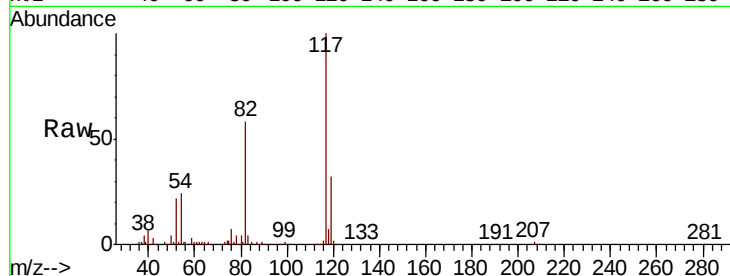




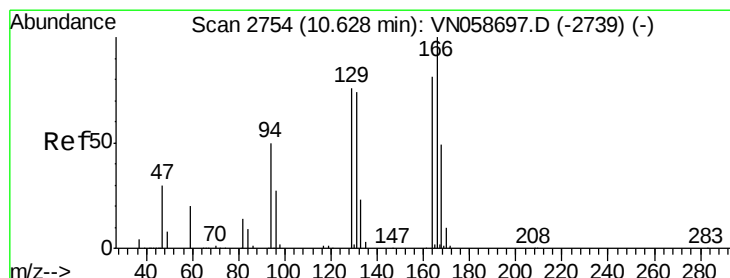
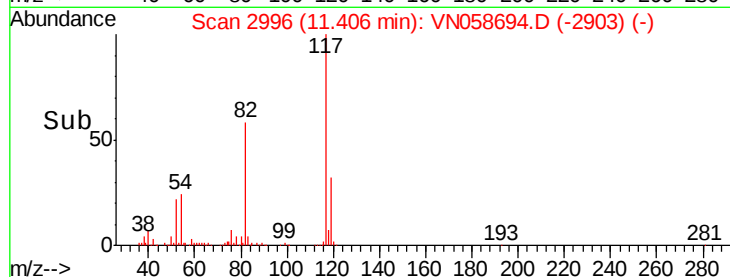
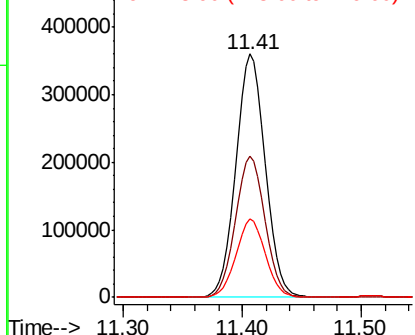
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 616593
Ion Ratio Lower Upper
117 100
82 58.1 47.0 70.4
119 32.0 25.4 38.2

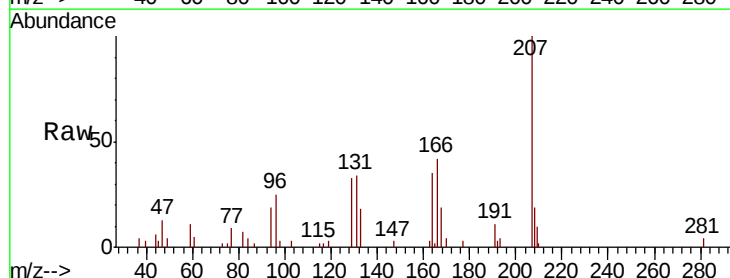


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

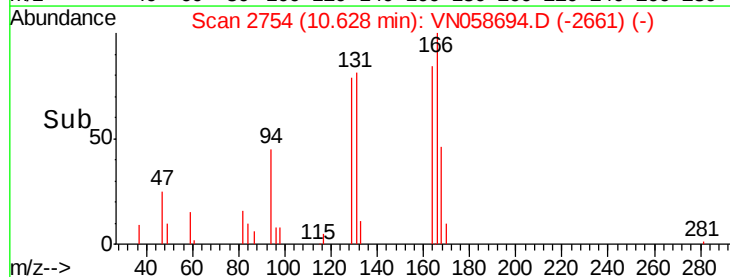
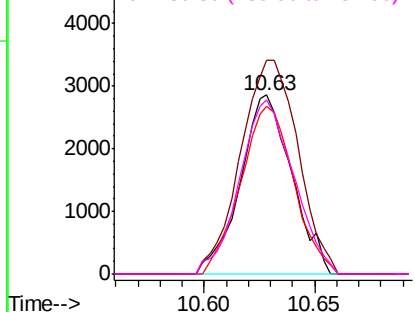


#64
Tetrachloroethene
Concen: 1.163 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion:164 Resp: 4612
Ion Ratio Lower Upper
164 100
166 119.4 99.3 148.9
129 93.8 75.2 112.8
131 97.0 73.0 109.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

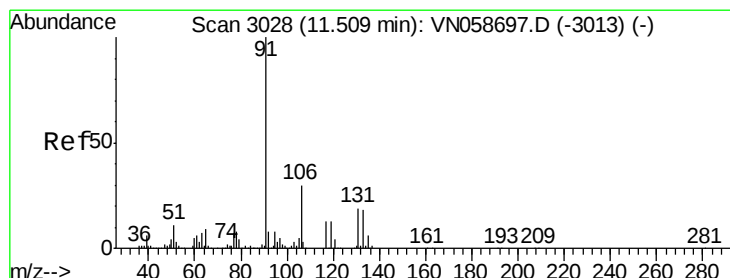
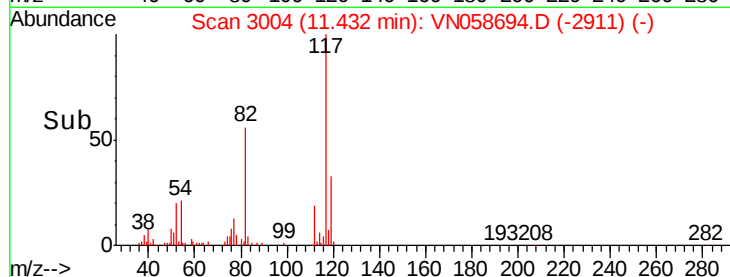
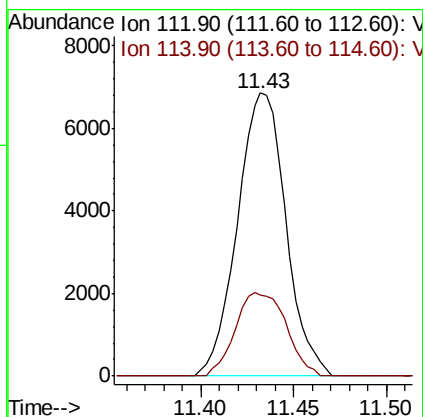
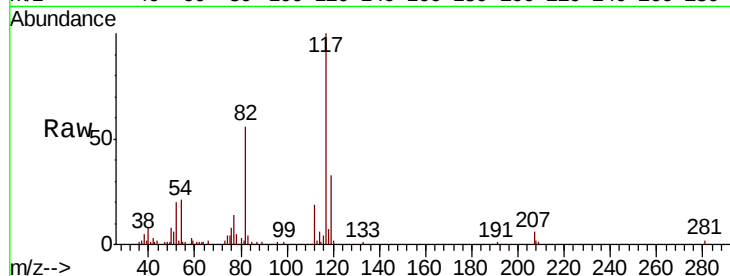




#65
Chlorobenzene
Concen: 1.018 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

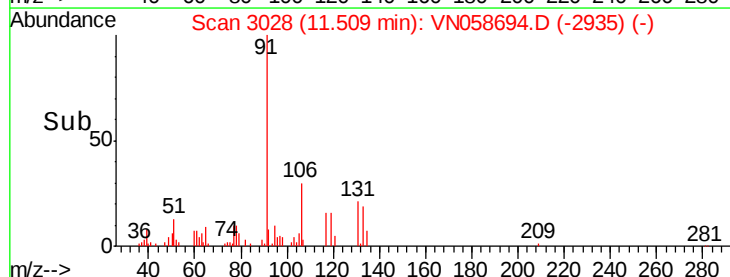
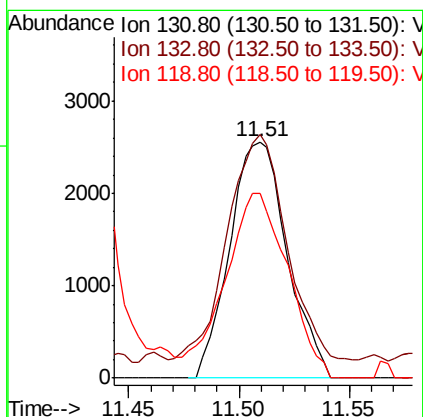
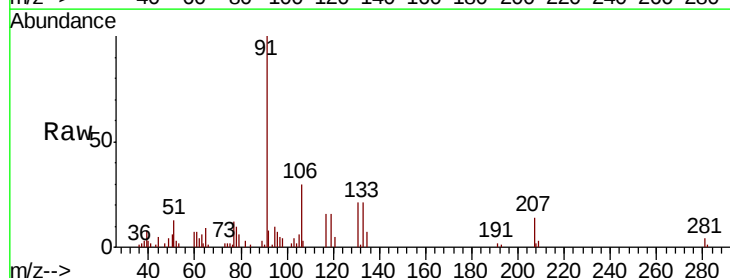
Instrument :
MSVOA_N
ClientSampled :

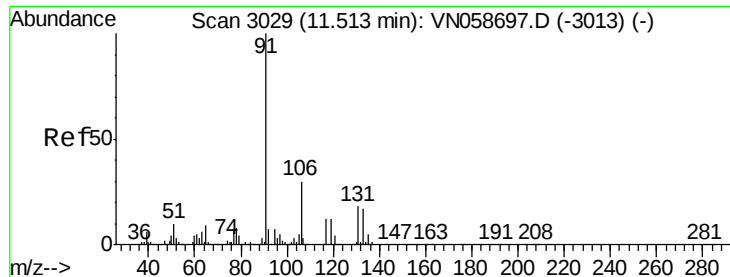
Tot Ion:112 Resp: 12491
Ion Ratio Lower Upper
112 100
114 28.8 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 1.105 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion:131 Resp: 4616
Ion Ratio Lower Upper
131 100
133 97.6 47.6 142.9
119 0.0 33.0 98.9#

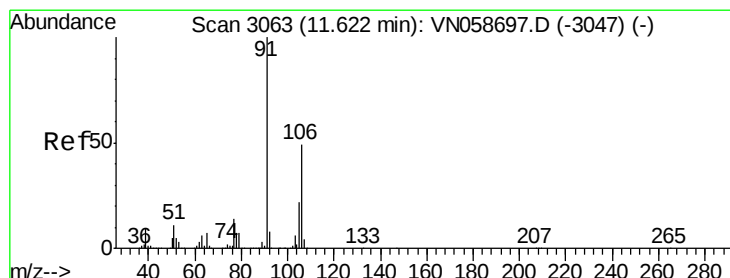
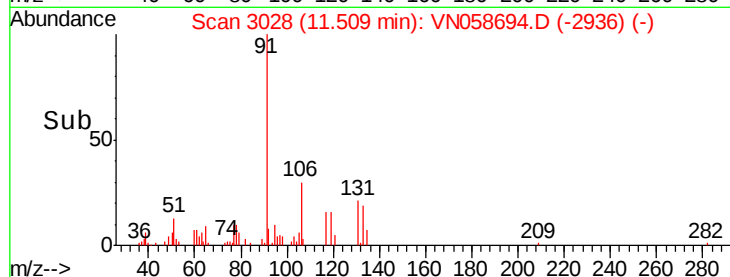
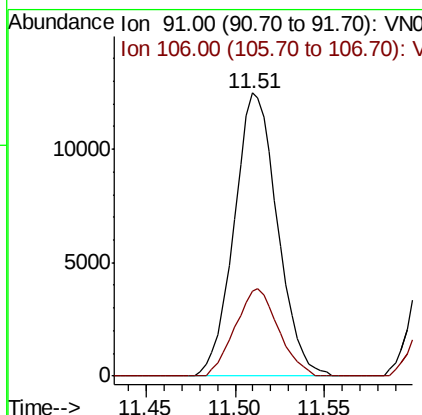
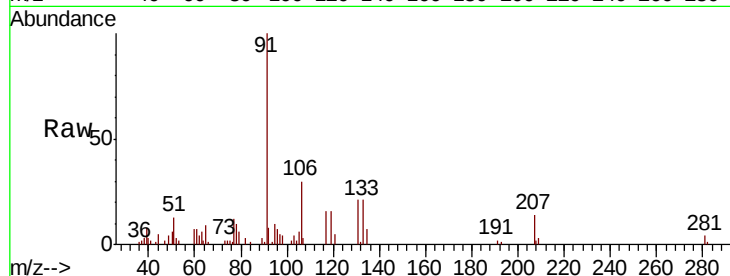




#67
Ethyl Benzene
Concen: 0.949 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

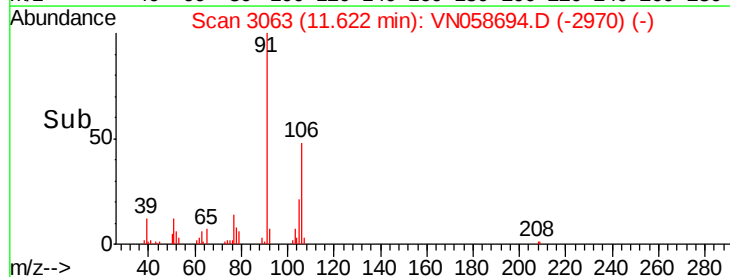
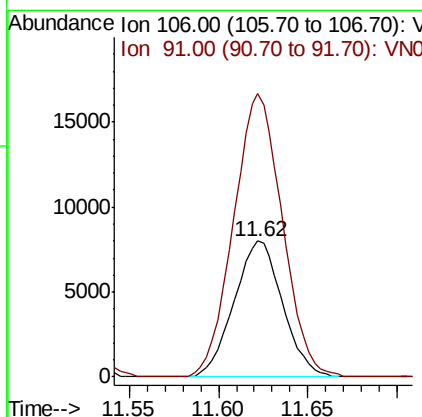
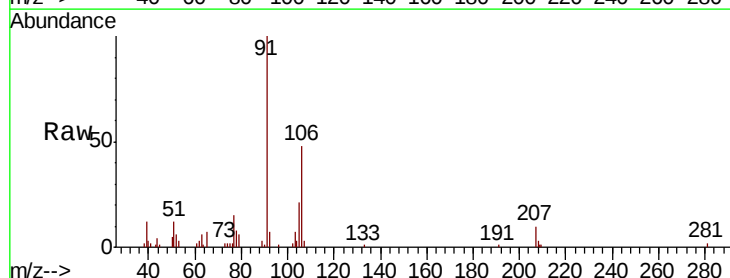
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 91 Resp: 21111
Ion Ratio Lower Upper
91 100
106 30.0 24.1 36.1



#68
m/p-Xylenes
Concen: 1.810 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion: 106 Resp: 15160
Ion Ratio Lower Upper
106 100
91 209.7 165.7 248.5

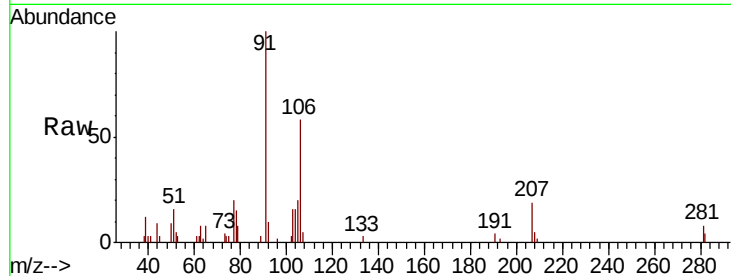




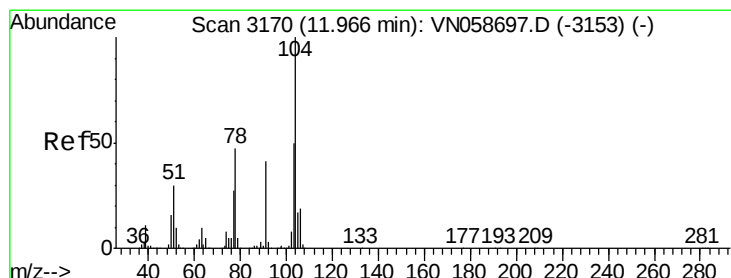
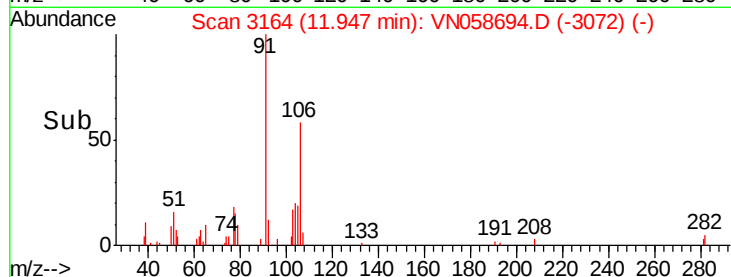
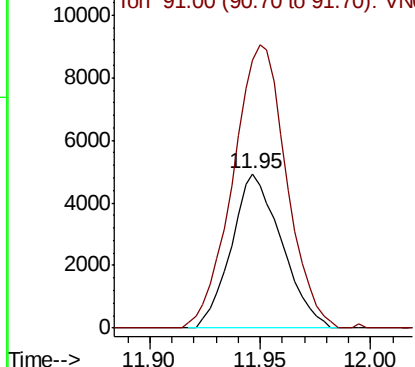
#69
o-Xylene
Concen: 0.969 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 7790
Ion Ratio Lower Upper
106 100
91 196.2 110.9 332.9

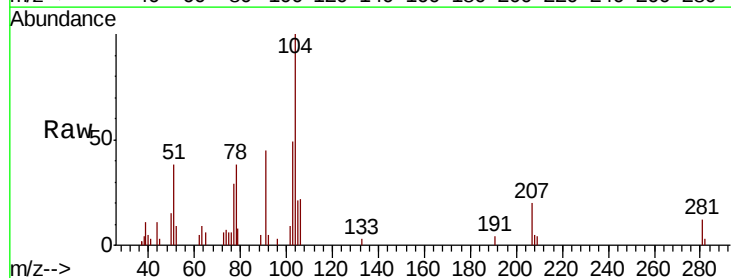


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

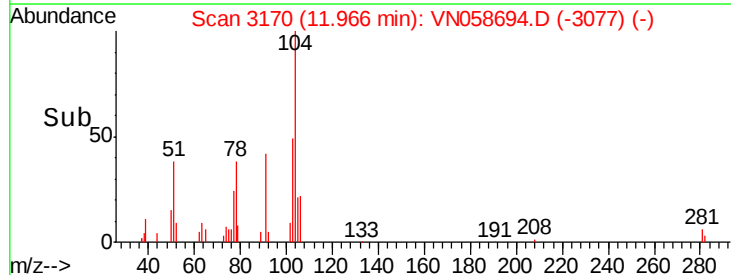
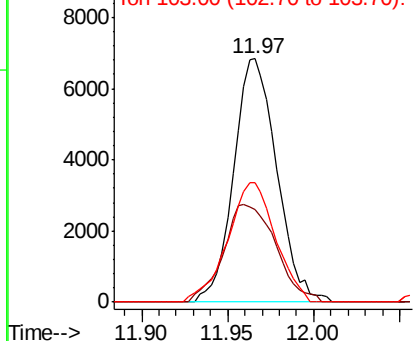


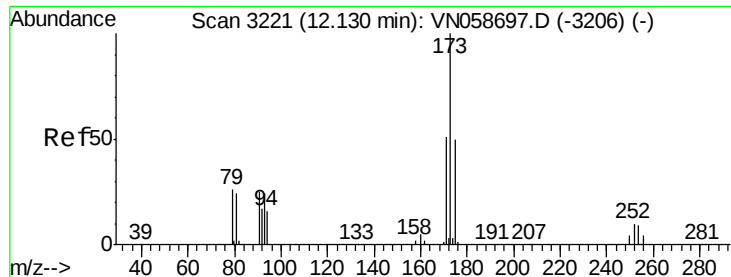
#70
Styrene
Concen: 0.915 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058694.D
Acq: 11 Oct 2019 11:30

Tgt Ion:104 Resp: 11953
Ion Ratio Lower Upper
104 100
78 48.6 42.2 63.2
103 54.4 43.7 65.5



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





#71

Bromoform

Concen: 1.041 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

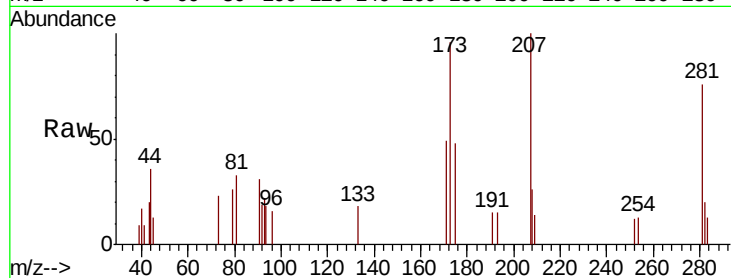
Tot Ion:173 Resp: 2781

Ion Ratio Lower Upper

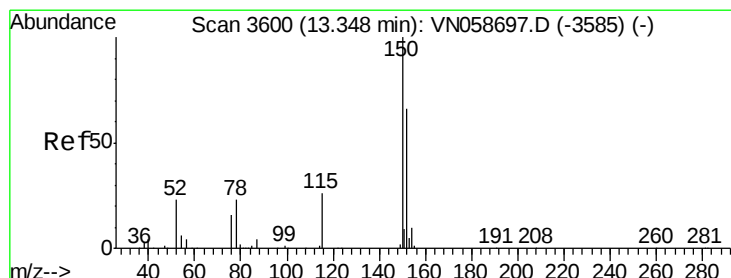
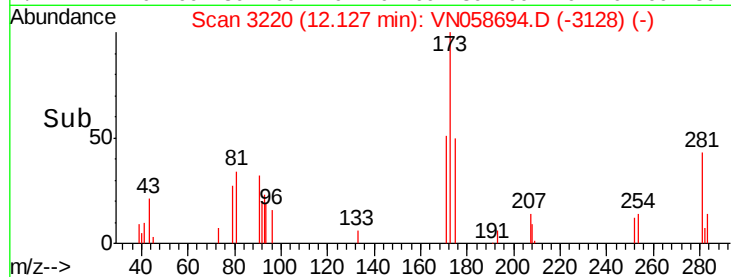
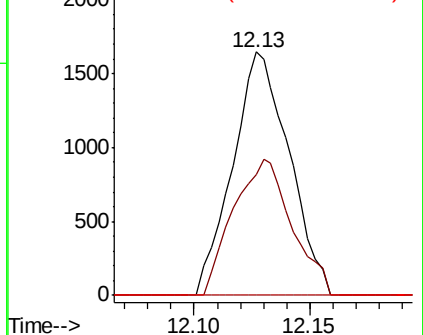
173 100

175 58.3 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

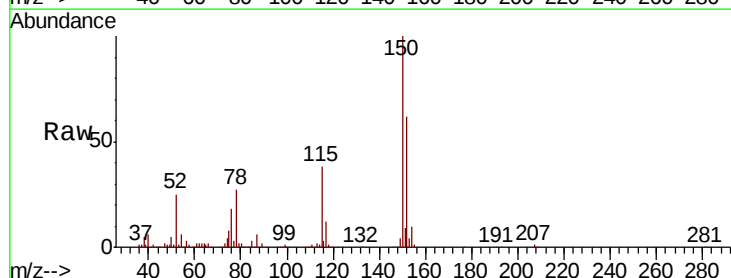
Tgt Ion:152 Resp: 267755

Ion Ratio Lower Upper

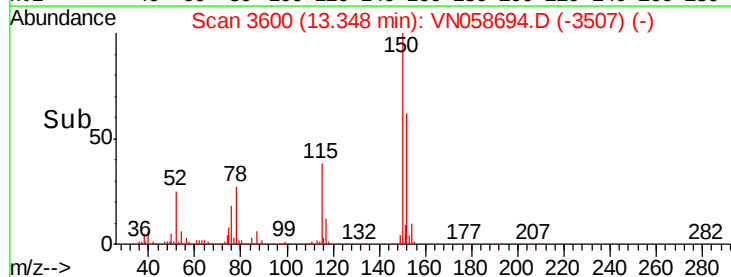
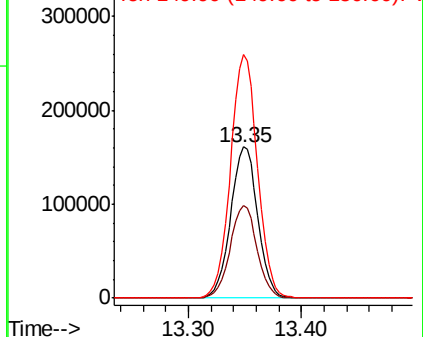
152 100

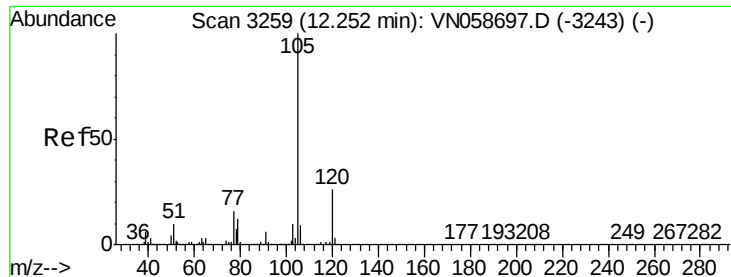
115 60.5 30.4 91.2

150 159.4 0.0 345.4



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





#73

Isopropylbenzene

Concen: 1.003 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

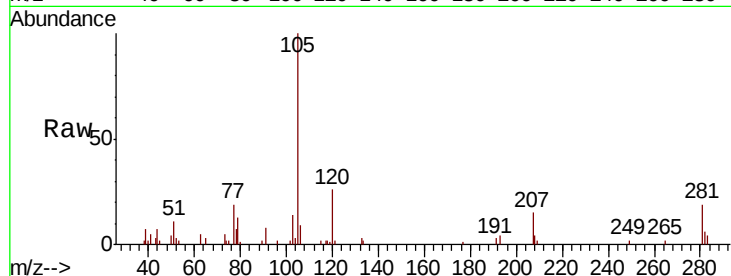
ClientSampleId :

Tot Ion: 105 Resp: 19745

Ion Ratio Lower Upper

105 100

120 26.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

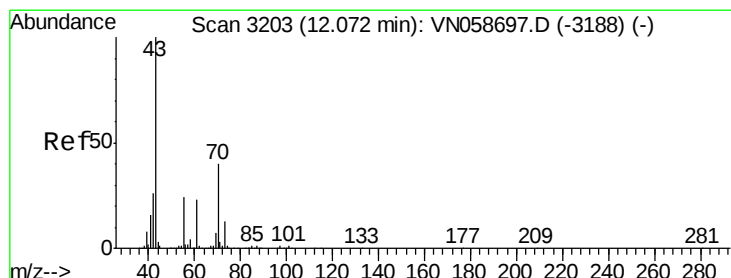
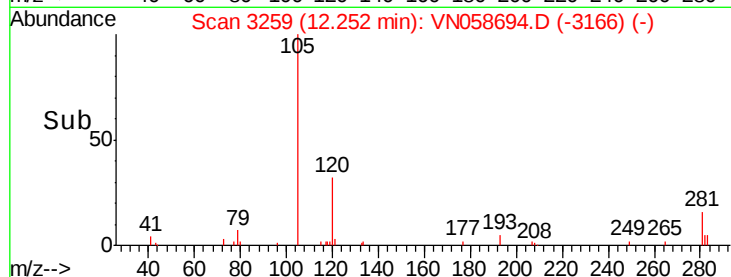
10000

5000

0

Time-->

12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 0.958 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Tgt Ion: 43 Resp: 7649

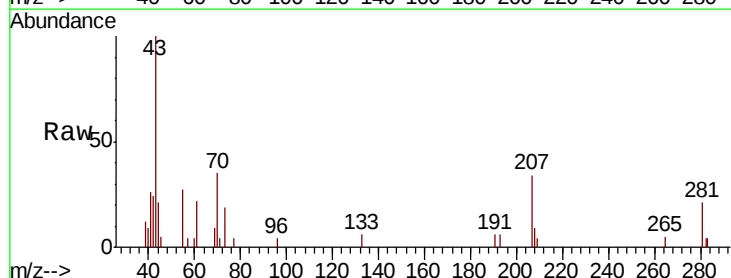
Ion Ratio Lower Upper

43 100

70 37.5 32.2 48.4

55 27.0 19.6 29.4

61 23.8 18.6 28.0



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

6000

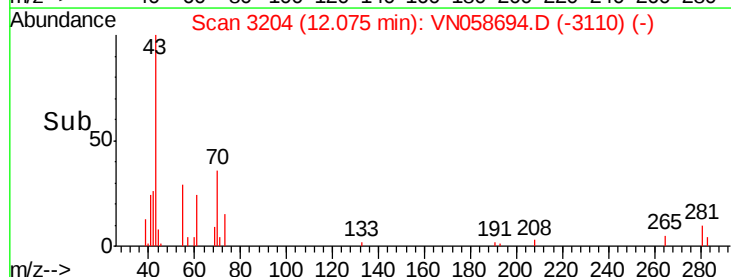
4000

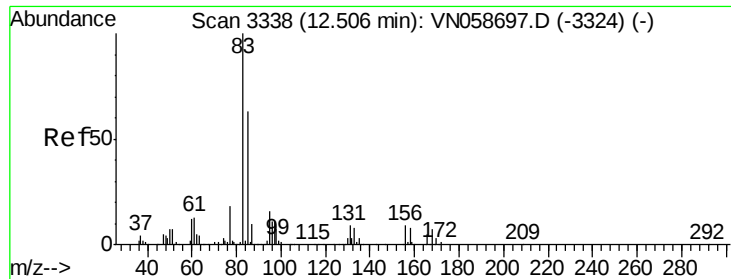
2000

0

Time-->

12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 1.111 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

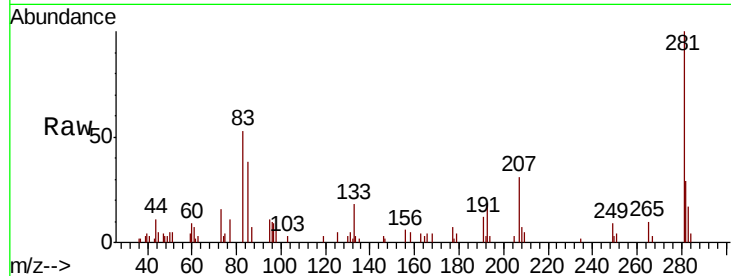
Tot Ion: 83 Resp: 6586

Ion Ratio Lower Upper

83 100

131 9.4 4.8 14.4

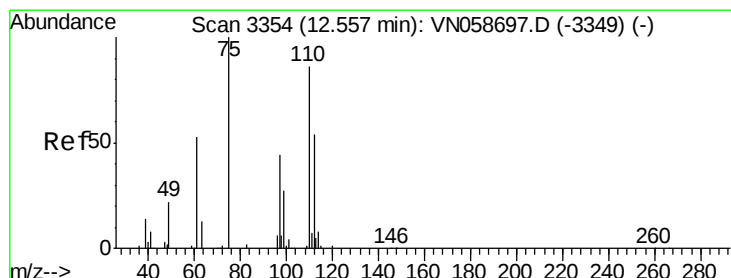
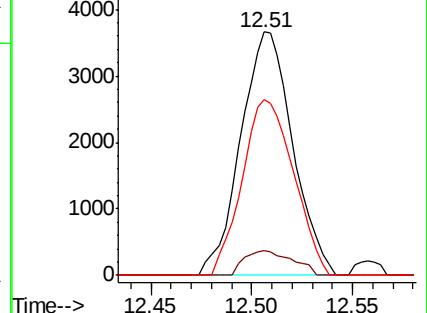
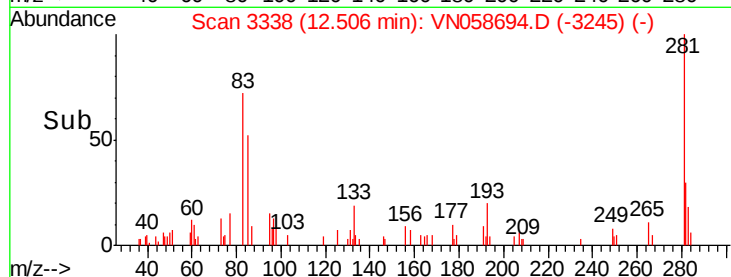
85 71.4 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.775 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058694.D

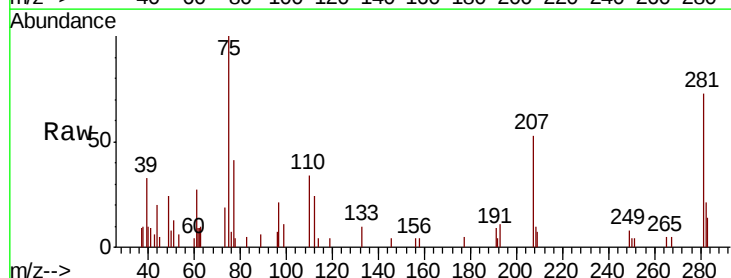
Acq: 11 Oct 2019 11:30

Tgt Ion: 75 Resp: 8847

Ion Ratio Lower Upper

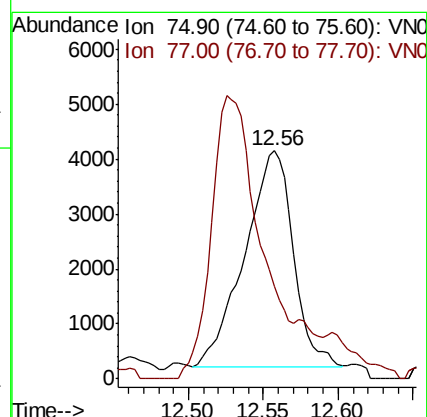
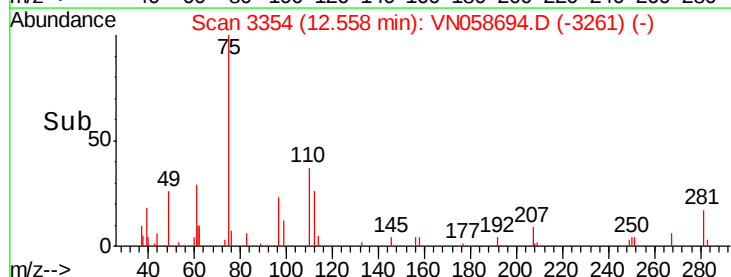
75 100

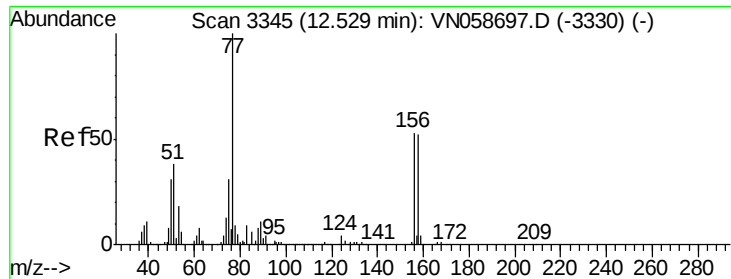
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.060 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

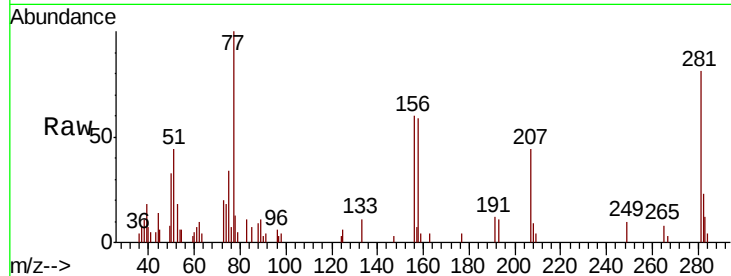
Tot Ion:156 Resp: 4911

Ion Ratio Lower Upper

156 100

77 235.8 115.8 347.3

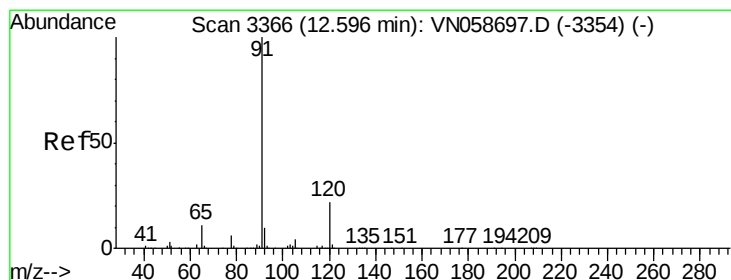
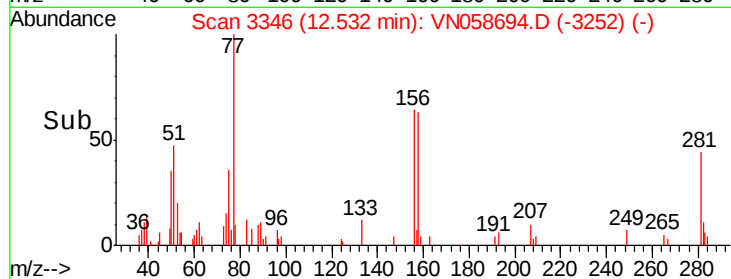
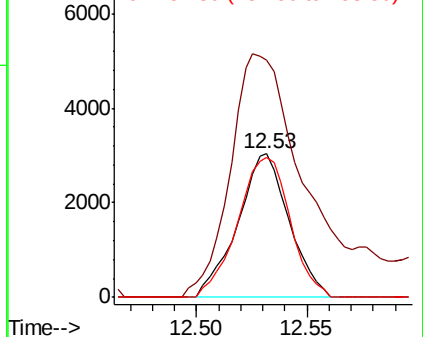
158 99.7 48.9 146.6



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: 0.999 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058694.D

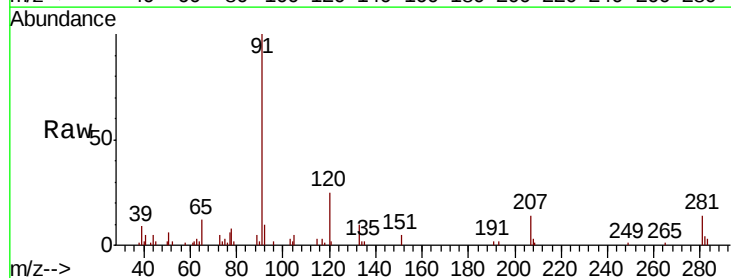
Acq: 11 Oct 2019 11:30

Tgt Ion: 91 Resp: 22248

Ion Ratio Lower Upper

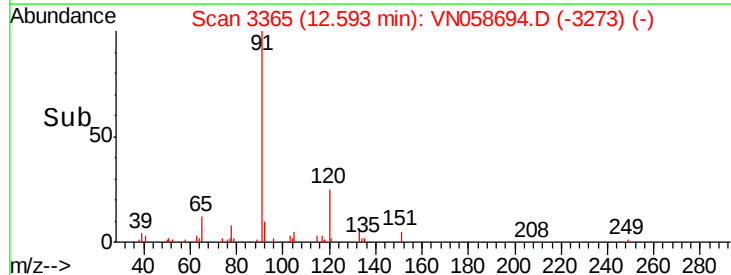
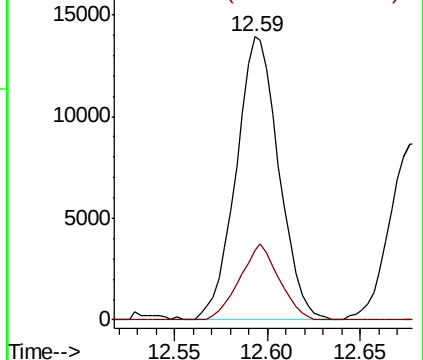
91 100

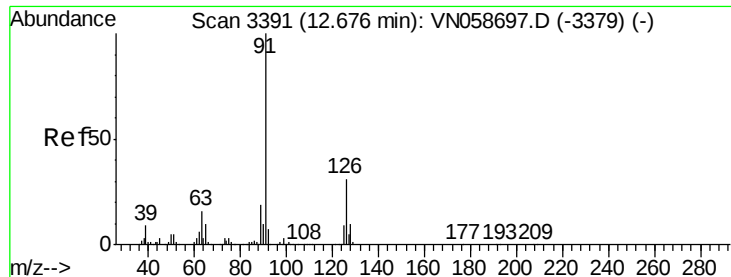
120 24.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

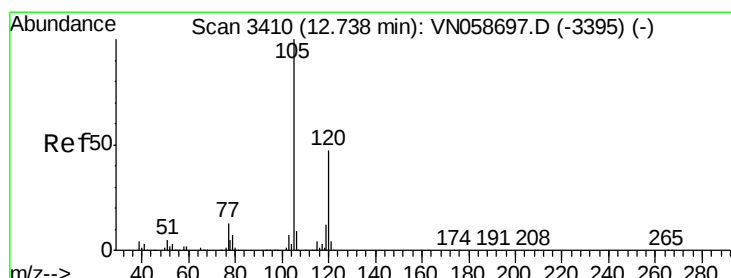
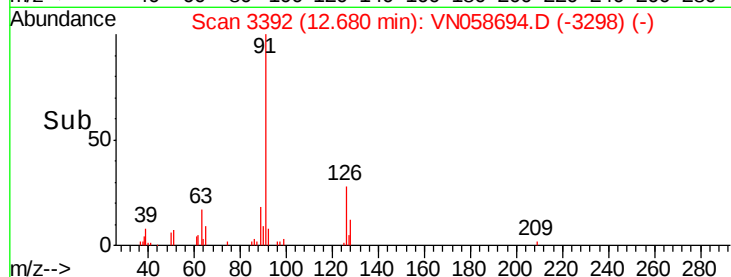
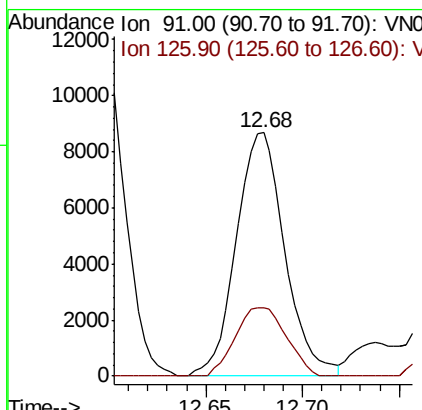
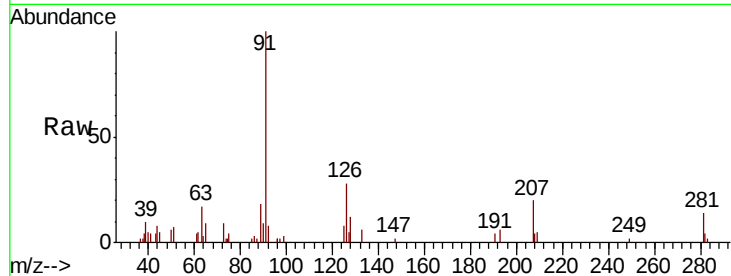




#79
 2-Chlorotoluene
 Concen: 1.106 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

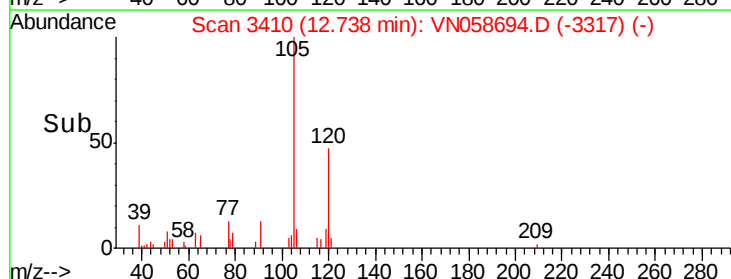
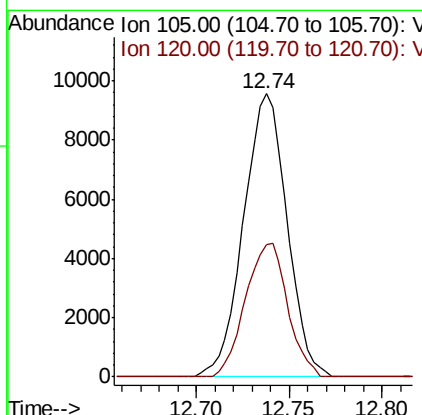
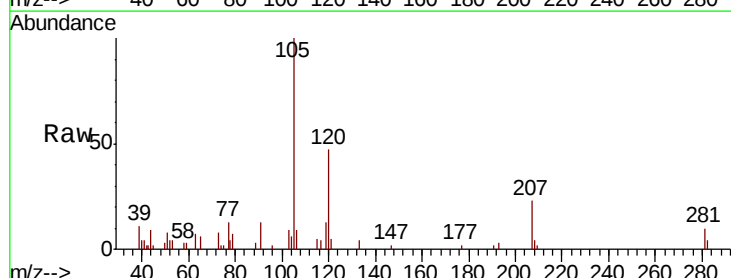
Instrument :
 MSVOA_N
 ClientSampleId :

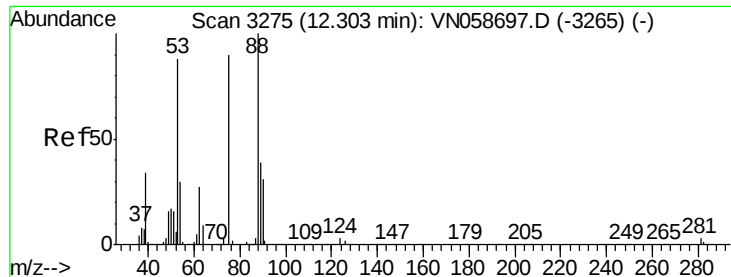
Tot Ion: 91 Resp: 15189
 Ion Ratio Lower Upper
 91 100
 126 29.5 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 0.947 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion: 105 Resp: 15653
 Ion Ratio Lower Upper
 105 100
 120 45.6 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 1.542 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

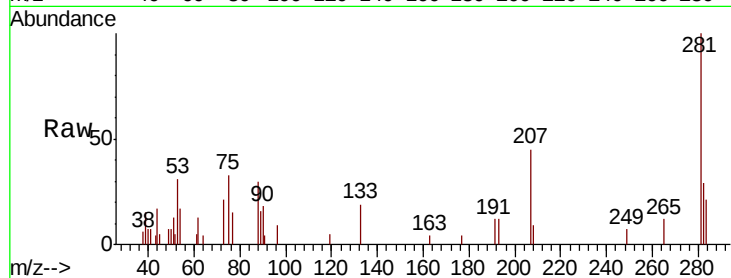
Tot Ion: 75 Resp: 2635

Ion Ratio Lower Upper

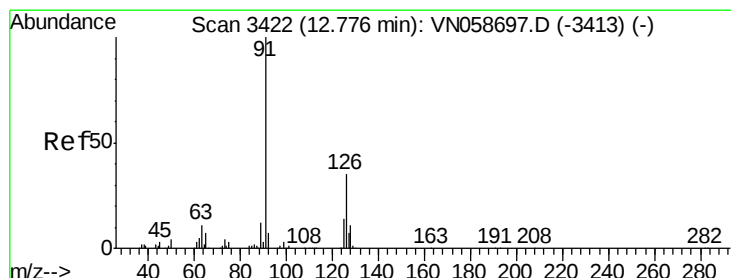
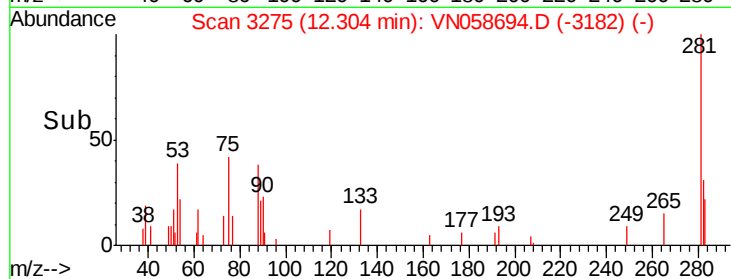
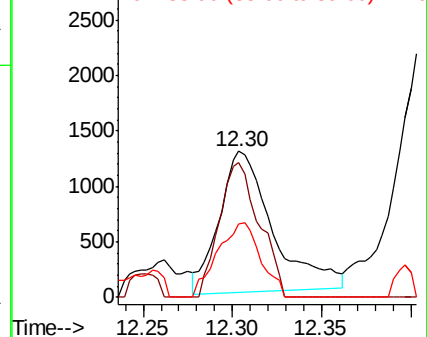
75 100

53 71.7 78.4 117.6#

89 42.6 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.048 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058694.D

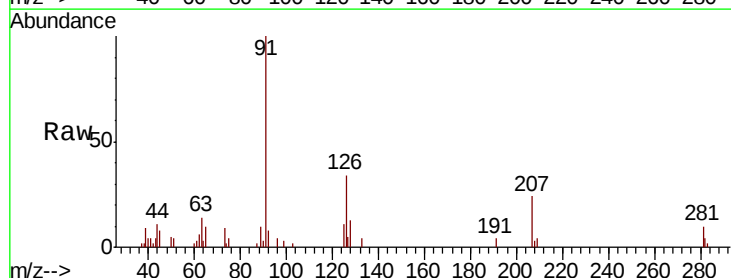
Acq: 11 Oct 2019 11:30

Tgt Ion: 91 Resp: 14721

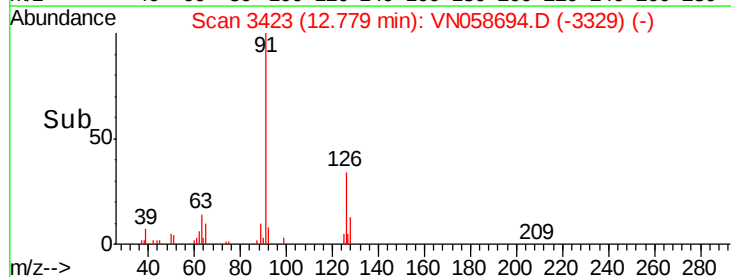
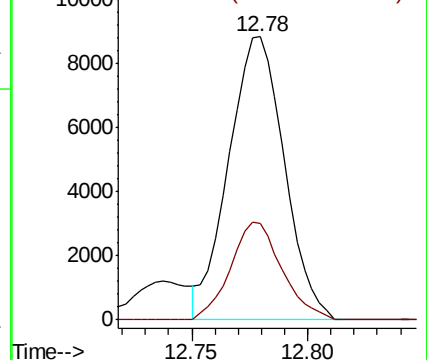
Ion Ratio Lower Upper

91 100

126 31.9 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 1.002 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

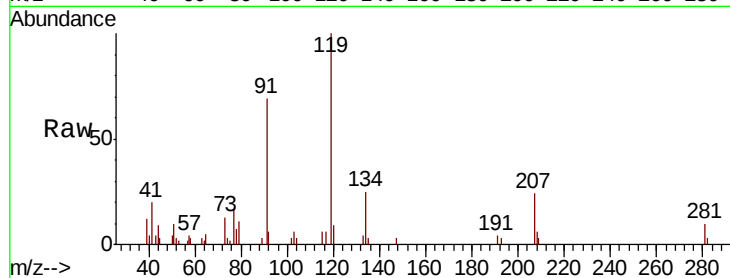
Tot Ion:119 Resp: 13976

Ion Ratio Lower Upper

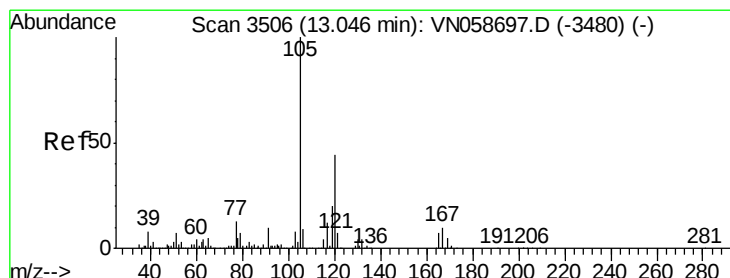
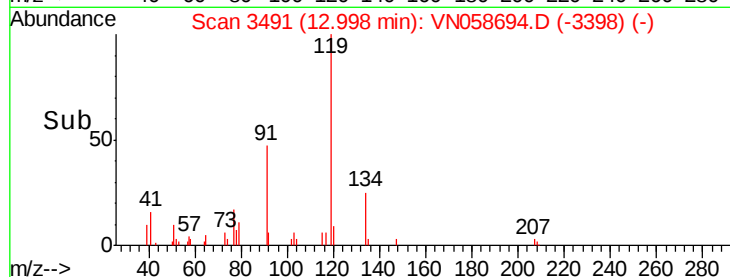
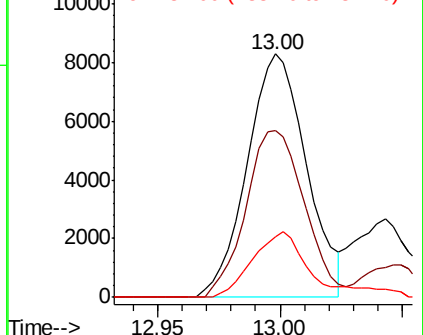
119 100

91 67.7 33.8 101.3

134 27.0 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 0.924 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058694.D

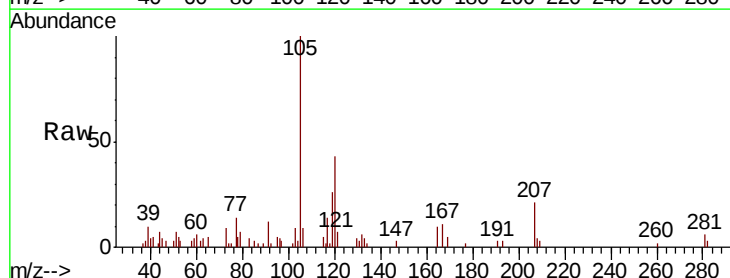
Acq: 11 Oct 2019 11:30

Tgt Ion:105 Resp: 15306

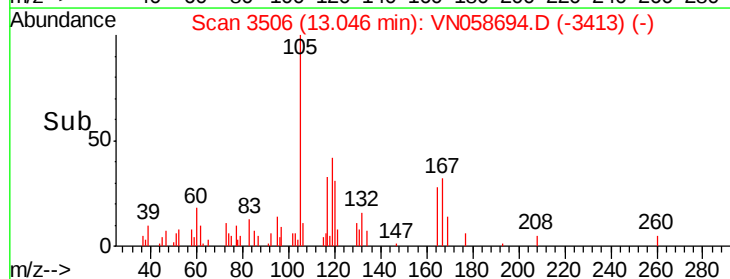
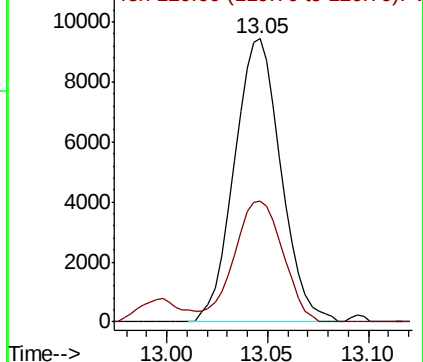
Ion Ratio Lower Upper

105 100

120 45.0 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.943 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

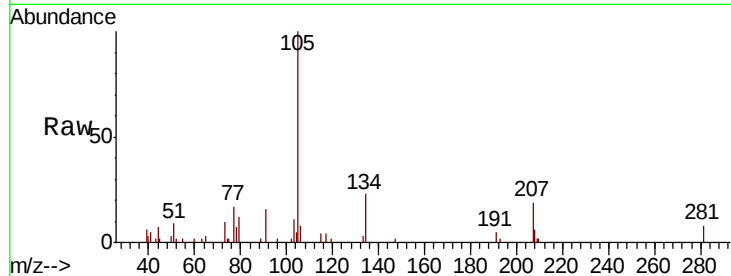
ClientSampleId :

Tot Ion:105 Resp: 17375

Ion Ratio Lower Upper

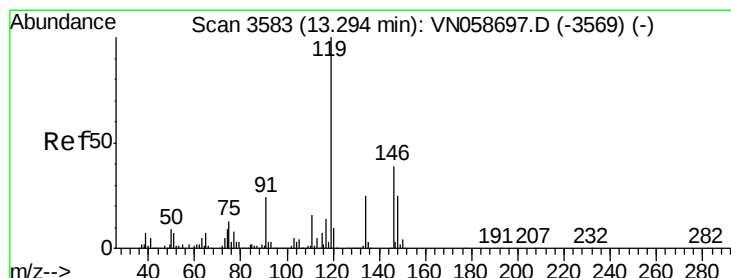
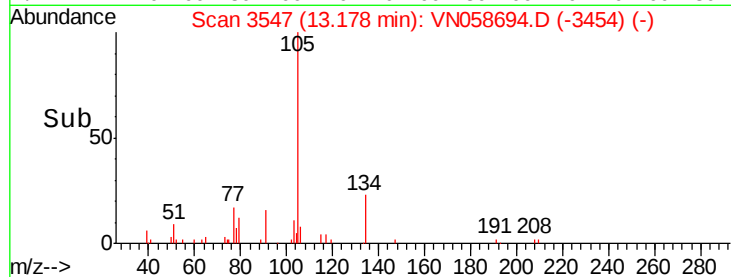
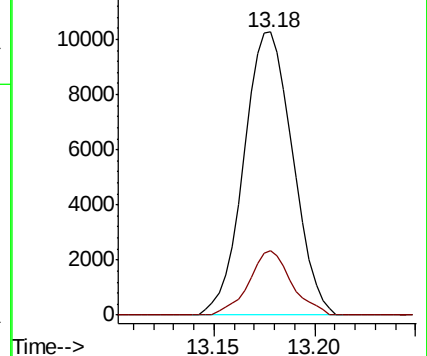
105 100

134 19.9 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.984 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

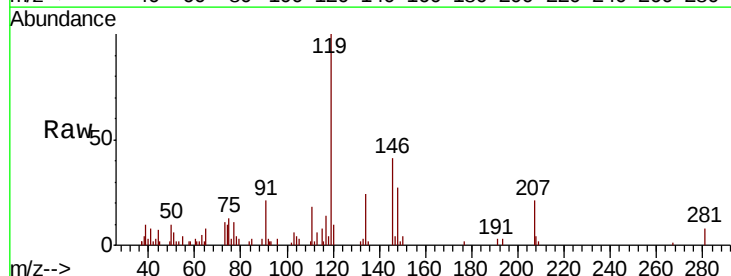
Tgt Ion:119 Resp: 16032

Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

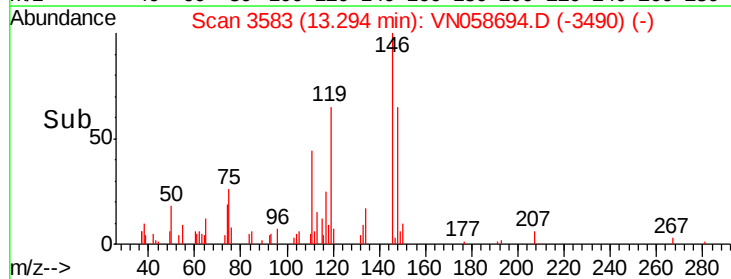
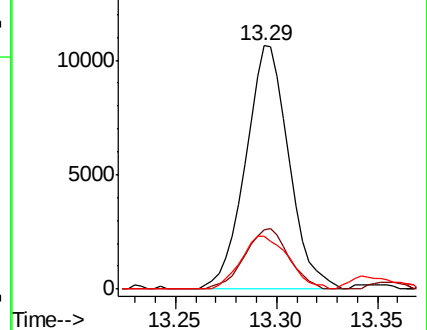
91 23.9 11.9 35.5

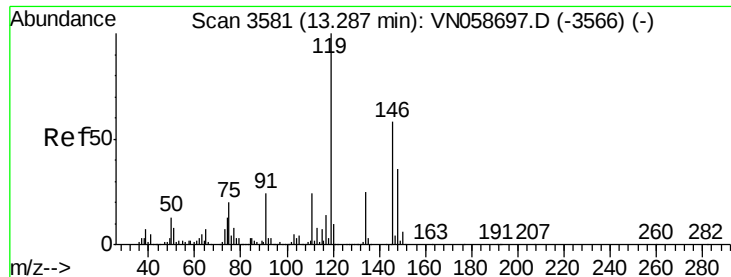


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.064 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

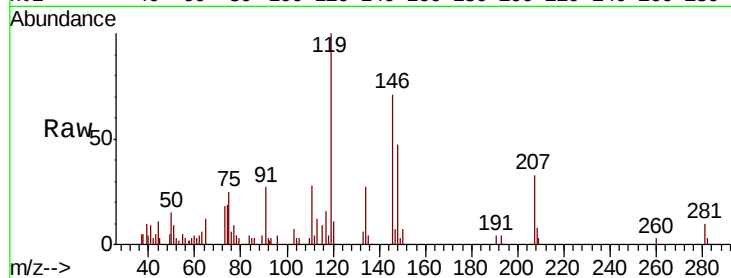
Tot Ion:146 Resp: 8966

Ion Ratio Lower Upper

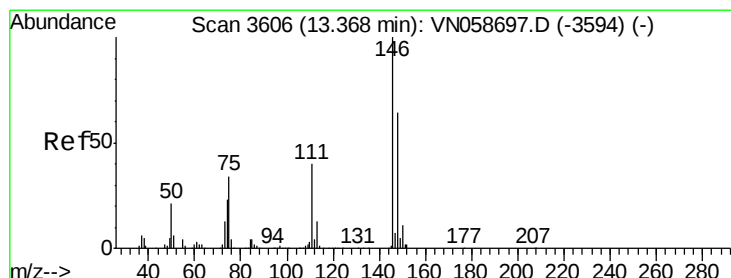
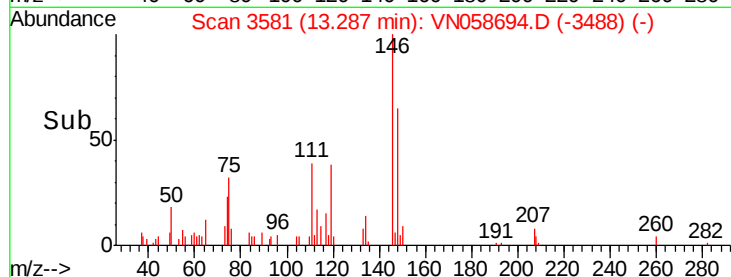
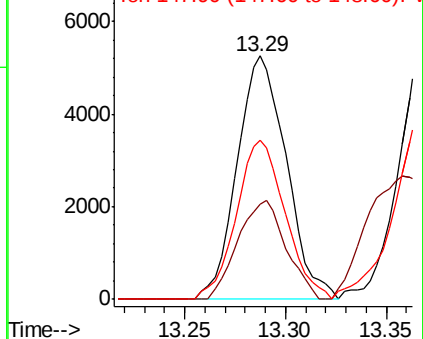
146 100

111 39.7 20.5 61.6

148 64.8 31.3 93.9



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



#88

1,4-Dichlorobenzene

Concen: 1.071 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

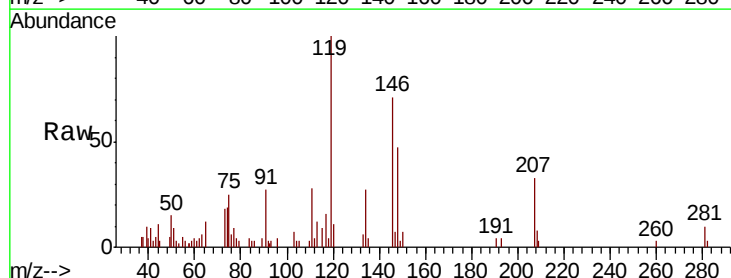
Tgt Ion:146 Resp: 8966

Ion Ratio Lower Upper

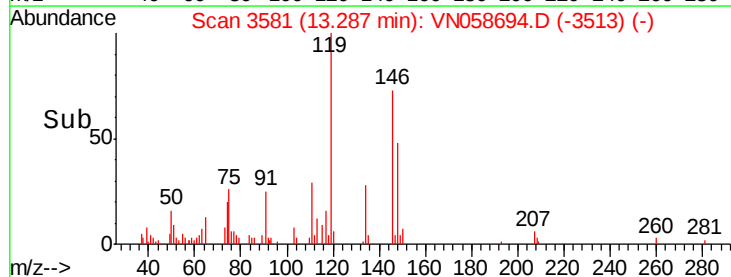
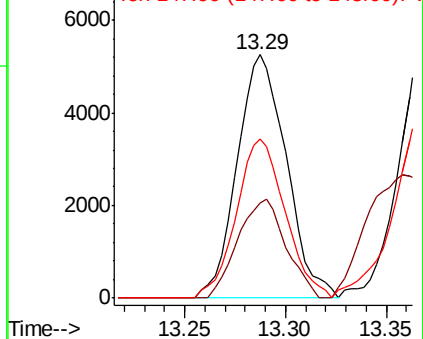
146 100

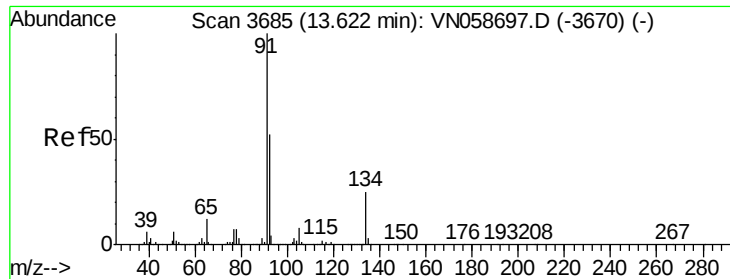
111 39.7 20.1 60.2

148 64.8 31.9 95.7



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





#89

n-Butylbenzene

Concen: 0.998 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampleId :

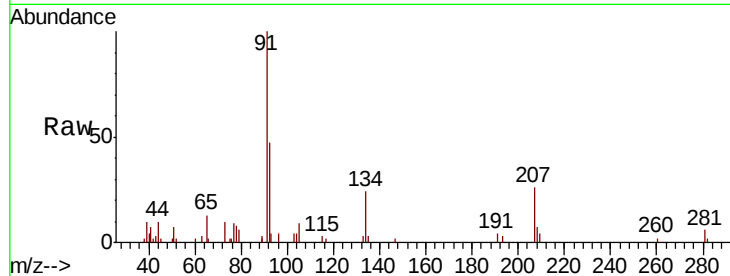
Tot Ion: 91 Resp: 14816

Ion Ratio Lower Upper

91 100

92 49.5 26.0 78.0

134 23.1 12.2 36.6

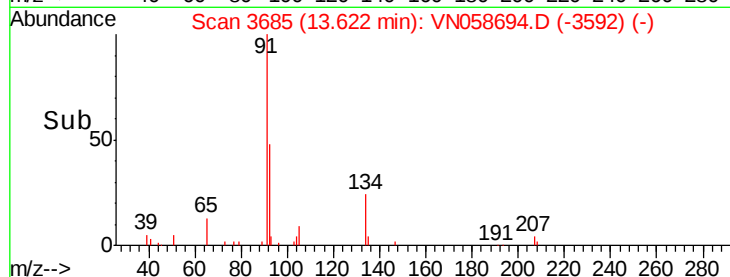


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time--> 13.55 13.60 13.65

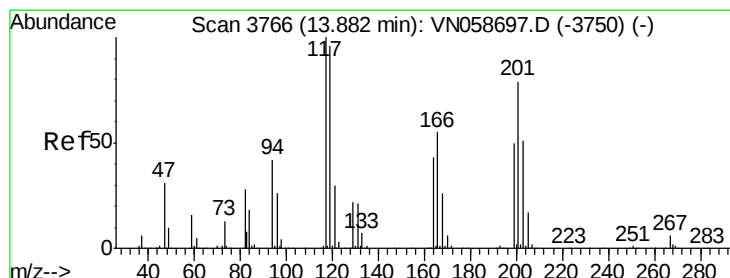


Abundance Ion 91.00 (90.70 to 91.70): VN058694.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058694.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058694.D (-3592) (-)

Time--> 13.55 13.60 13.65



#90

Hexachloroethane

Concen: 1.052 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.01 min

Lab File: VN058694.D

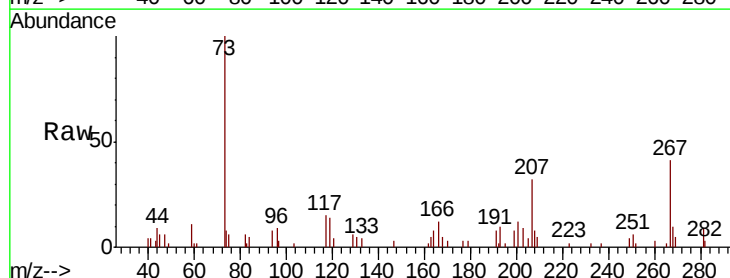
Acq: 11 Oct 2019 11:30

Tgt Ion: 117 Resp: 2633

Ion Ratio Lower Upper

117 100

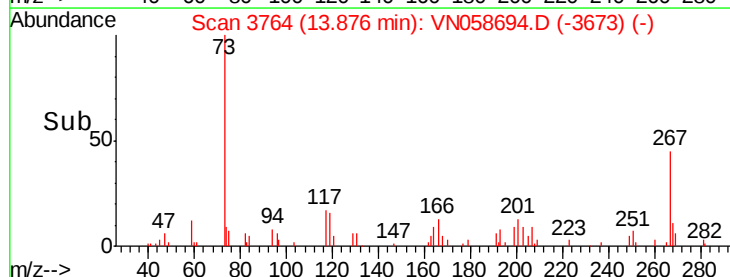
201 81.7 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

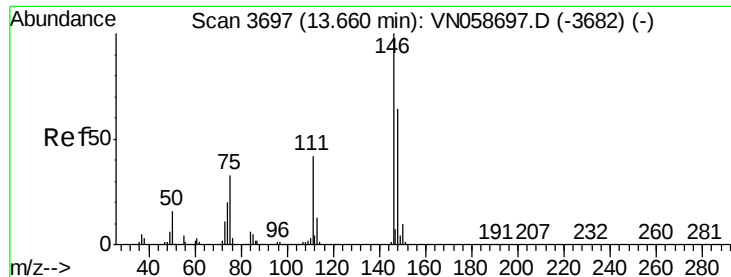
Time--> 13.85 13.90



Abundance Ion 116.80 (116.50 to 117.50): VN058694.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058694.D (-3673) (-)

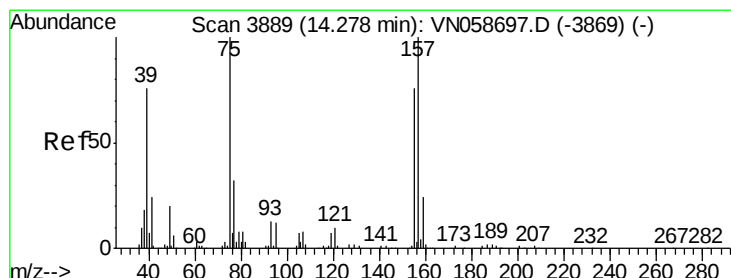
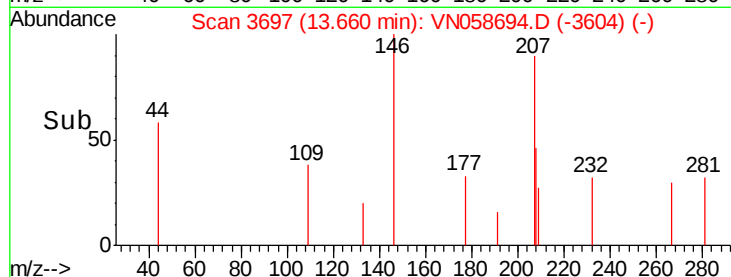
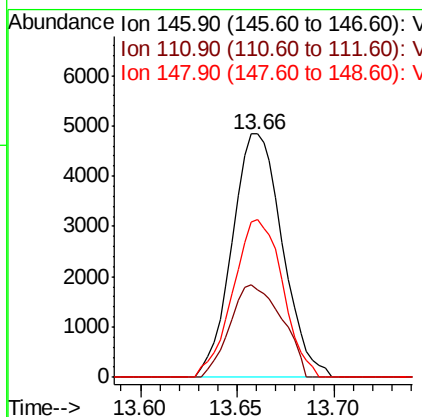
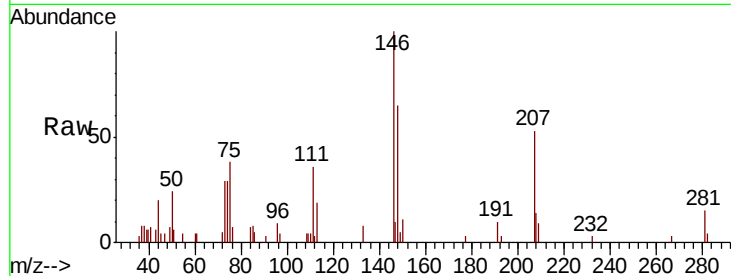
Time--> 13.85 13.90



#91
 1,2-Dichlorobenzene
 Concen: 1.079 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

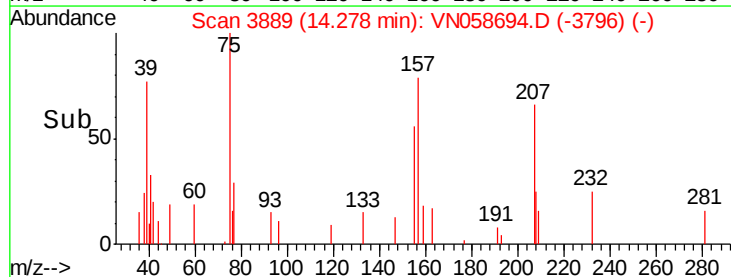
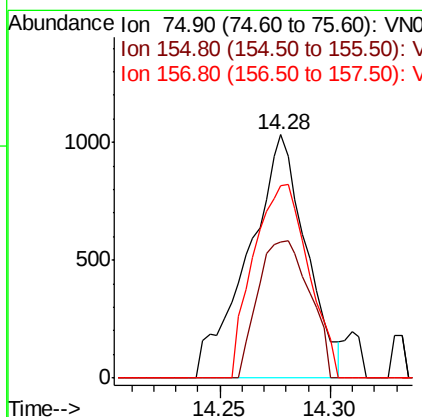
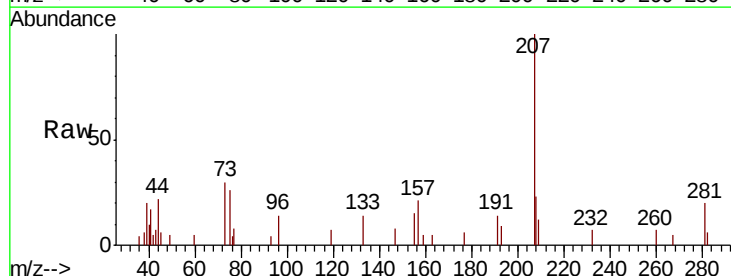
Instrument :
 MSVOA_N
 ClientSampleId :

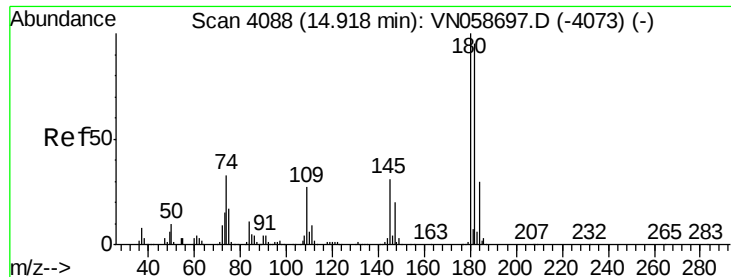
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	21.1	63.4
148	64.0	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.737 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	50.6	37.9	113.6
157	75.6	49.4	148.2

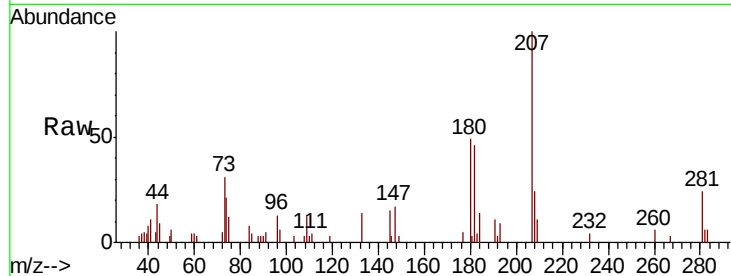




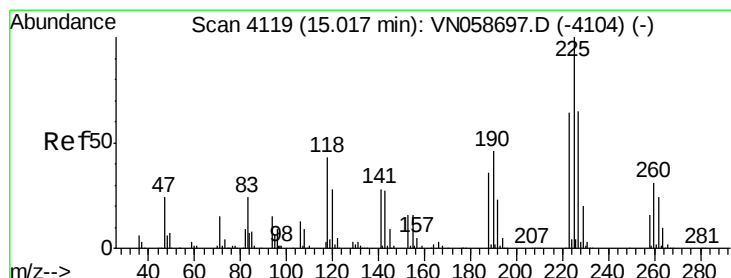
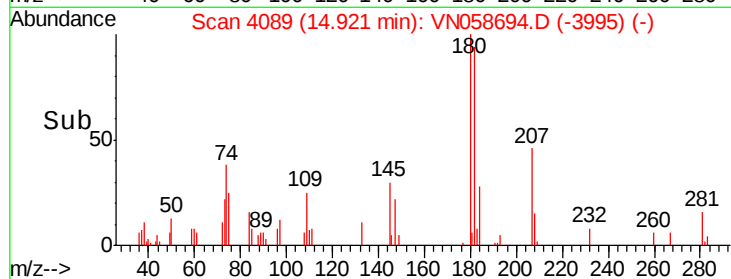
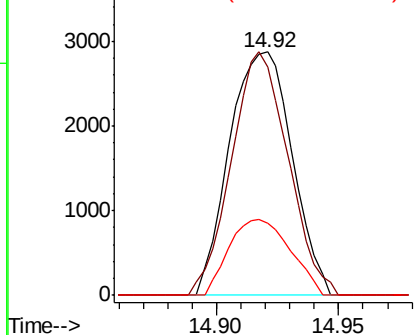
#93
 1,2,4-Trichlorobenzene
 Concen: 1.133 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 5124
 Ion Ratio Lower Upper
 180 100
 182 90.4 47.4 142.2
 145 30.5 15.4 46.2

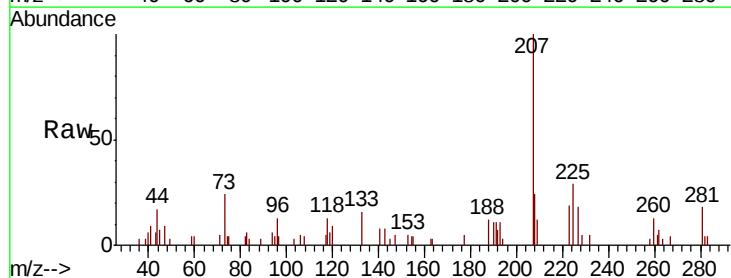


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

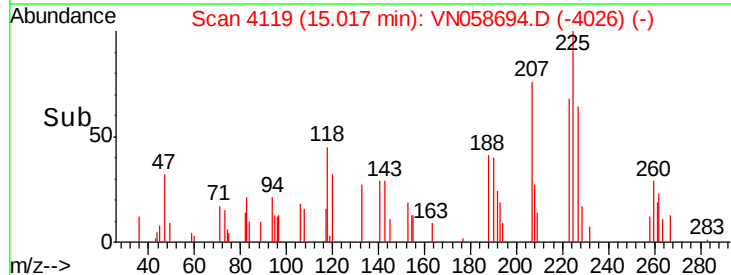
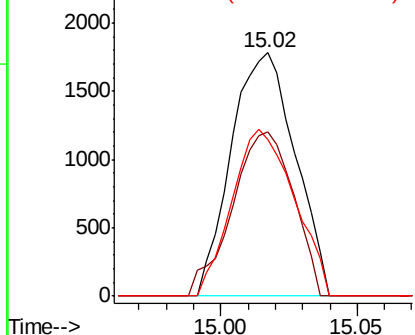


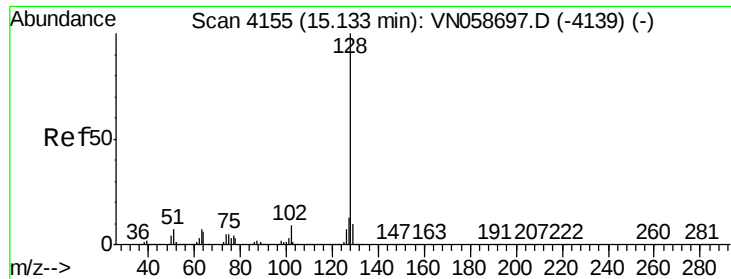
#94
 Hexachlorobutadiene
 Concen: 1.233 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058694.D
 Acq: 11 Oct 2019 11:30

Tgt Ion:225 Resp: 2907
 Ion Ratio Lower Upper
 225 100
 223 64.5 32.3 96.8
 227 66.8 32.4 97.0



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: 1.175 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

Instrument :

MSVOA_N

ClientSampled :

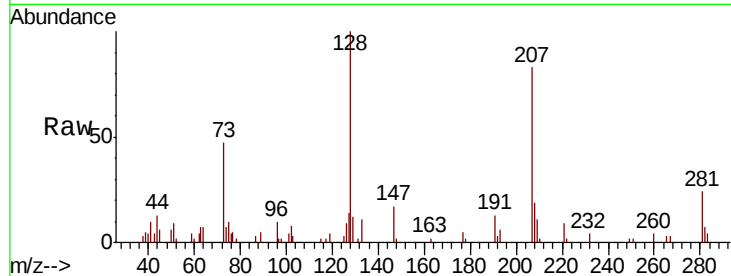
Tot Ion:128 Resp: 14081

Ion Ratio Lower Upper

128 100

127 12.1 10.2 15.4

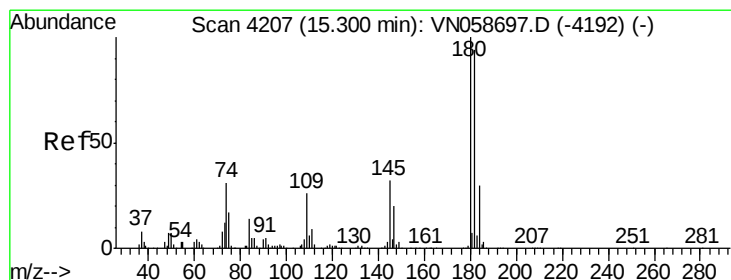
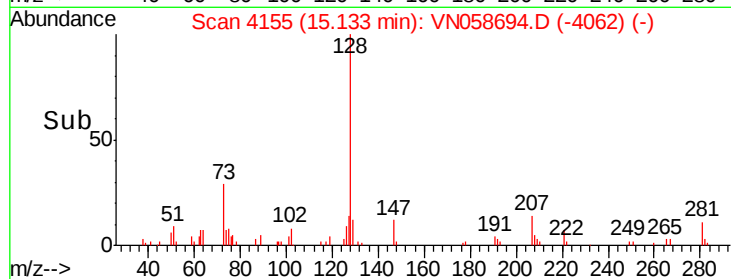
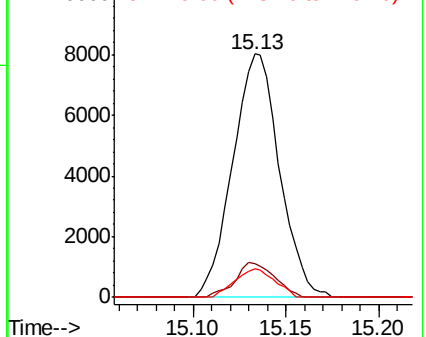
129 10.0 8.5 12.7



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: 1.234 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN058694.D

Acq: 11 Oct 2019 11:30

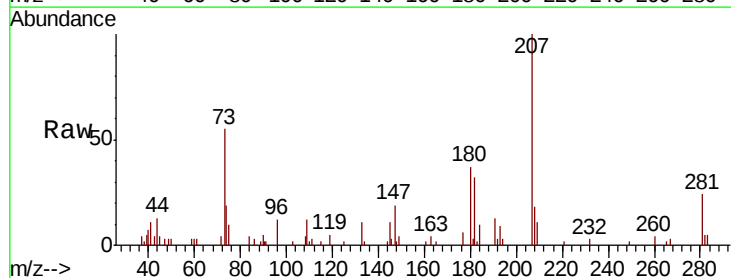
Tgt Ion:180 Resp: 5108

Ion Ratio Lower Upper

180 100

182 88.7 47.3 142.0

145 32.5 16.2 48.6



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

