

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058819.D
 Acq On : 17 Oct 2019 12:13
 Operator : JC/SP
 Sample : VN1017WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:25:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	369438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595659	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	547286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	254252	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	272790	52.74	ug/l	0.00
Spiked Amount			Recovery	=	105.48%	
35) Dibromofluoromethane	7.57	113	195741	53.20	ug/l	0.00
Spiked Amount			Recovery	=	106.40%	
50) Toluene-d8	10.08	98	742316	50.45	ug/l	0.00
Spiked Amount			Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	266026	47.77	ug/l	0.00
Spiked Amount			Recovery	=	95.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	96976	21.076	ug/l	99
3) Chloromethane	2.04	50	112573	20.575	ug/l	100
4) Vinyl Chloride	2.17	62	115185	21.138	ug/l	99
5) Bromomethane	2.54	94	71938	21.701	ug/l	99
6) Chloroethane	2.68	64	72905	21.690	ug/l	99
7) Trichlorofluoromethane	3.00	101	143485	22.001	ug/l	98
8) Diethyl Ether	3.39	74	50633	21.013	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	80521	21.654	ug/l	97
10) Methyl Iodide	3.93	142	100893	19.883	ug/l	99
11) Tert butyl alcohol	4.76	59	94683	113.037	ug/l #	87
12) 1,1-Dichloroethene	3.72	96	73711	20.776	ug/l	97
13) Acrolein	3.59	56	43555	64.654	ug/l	97
14) Allyl chloride	4.30	41	153116	21.385	ug/l	99
15) Acrylonitrile	4.96	53	251312	118.972	ug/l	99
16) Acetone	3.79	43	269425	125.829	ug/l	99
17) Carbon Disulfide	4.03	76	221303	19.513	ug/l	100
18) Methyl Acetate	4.30	43	129770	23.893	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	277926	21.937	ug/l	95
20) Methylene Chloride	4.53	84	93785	20.957	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	82566	20.805	ug/l	97
22) Diisopropyl ether	5.93	45	308870	22.187	ug/l	97
23) Vinyl Acetate	5.87	43	1305151	116.187	ug/l	99
24) 1,1-Dichloroethane	5.82	63	173663	21.903	ug/l	100
25) 2-Butanone	6.81	43	360639	116.527	ug/l	98
26) 2,2-Dichloropropane	6.80	77	151787	20.972	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95717	20.683	ug/l	99
28) Bromochloromethane	7.18	49	58547	21.226	ug/l	95
29) Tetrahydrofuran	7.19	42	230818	115.408	ug/l	99
30) Chloroform	7.36	83	171689	21.553	ug/l	99
31) Cyclohexane	7.63	56	150844	19.884	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	146824	21.612	ug/l	99
36) 1,1-Dichloropropene	7.77	75	122968	20.418	ug/l	99
37) Ethyl Acetate	6.91	43	145231	23.844	ug/l	97
38) Carbon Tetrachloride	7.75	117	129423	22.050	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058819.D
 Acq On : 17 Oct 2019 12:13
 Operator : JC/SP
 Sample : VN1017WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:25:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139039	19.896	ug/l	99
40) Benzene	8.02	78	369546	21.365	ug/l	100
41) Methacrylonitrile	7.19	41	212598	74.566	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	145327	21.870	ug/l	99
43) Isopropyl Acetate	8.15	43	227526	21.928	ug/l	99
44) Trichloroethene	8.82	130	91700	21.349	ug/l	97
45) 1,2-Dichloropropane	9.11	63	103832	22.424	ug/l	98
46) Dibromomethane	9.20	93	65612	22.350	ug/l	99
47) Bromodichloromethane	9.39	83	132587	22.179	ug/l	99
48) Methyl methacrylate	9.19	41	105355	22.400	ug/l	98
49) 1,4-Dioxane	9.19	88	32995	453.461	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	726527	124.678	ug/l	98
52) Toluene	10.15	92	223761	21.151	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	146283	21.335	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	157707	21.664	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	90971	21.010	ug/l	97
56) Ethyl methacrylate	10.43	69	136918	21.645	ug/l	99
57) 1,3-Dichloropropane	10.71	76	161578	21.899	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	321399	105.430	ug/l	100
59) 2-Hexanone	10.75	43	541892	120.332	ug/l	98
60) Dibromochloromethane	10.90	129	98106	21.964	ug/l	99
61) 1,2-Dibromoethane	11.00	107	92641	21.356	ug/l	99
64) Tetrachloroethene	10.63	164	79389	20.728	ug/l	98
65) Chlorobenzene	11.43	112	236157	21.248	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	89673	21.819	ug/l	100
67) Ethyl Benzene	11.51	91	426899	21.548	ug/l	100
68) m/p-Xylenes	11.62	106	310750	41.796	ug/l	98
69) o-Xylene	11.95	106	149041	20.719	ug/l	99
70) Styrene	11.97	104	239182	20.287	ug/l	98
71) Bromoform	12.13	173	67644	22.455	ug/l #	100
73) Isopropylbenzene	12.25	105	410760	22.308	ug/l	99
74) N-amyl acetate	12.07	43	185958	22.485	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	141360	23.304	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	188063	33.717	ug/l #	100
77) Bromobenzene	12.53	156	98046	21.891	ug/l	98
78) n-propylbenzene	12.59	91	479978	22.370	ug/l	99
79) 2-Chlorotoluene	12.68	91	287261	21.570	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	345876	22.002	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	46208	22.191	ug/l	94
82) 4-Chlorotoluene	12.78	91	291397	21.323	ug/l	99
83) tert-Butylbenzene	13.00	119	293513	21.795	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	345995	22.170	ug/l	99
85) sec-Butylbenzene	13.18	105	395596	22.293	ug/l	100
86) p-Isopropyltoluene	13.29	119	347748	21.562	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	172061	20.831	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	169340	20.164	ug/l	98
89) n-Butylbenzene	13.62	91	302695	20.298	ug/l	99
90) Hexachloroethane	13.88	117	66534	23.056	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	169339	21.035	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	30399	21.451	ug/l	97

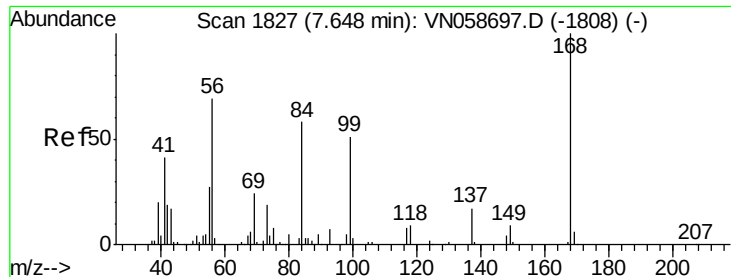
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
Data File : VN058819.D
Acq On : 17 Oct 2019 12:13
Operator : JC/SP
Sample : VN1017WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 18 01:25:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	91925	18.719	ug/l	99
94) Hexachlorobutadiene	15.02	225	53397	20.648	ug/l	97
95) Naphthalene	15.13	128	267550	18.957	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	90793	18.937	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

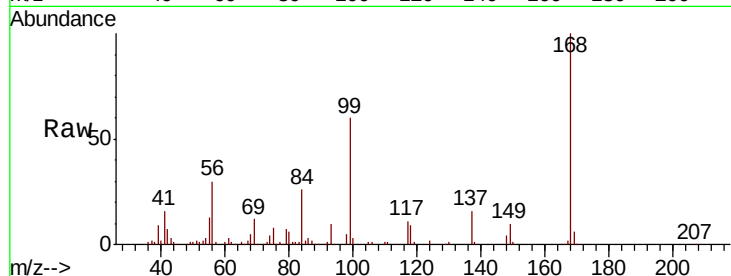
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 369438

Ion Ratio Lower Upper

168 100

99 59.8 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

150000

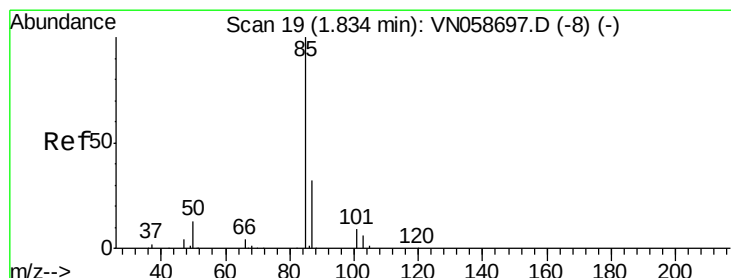
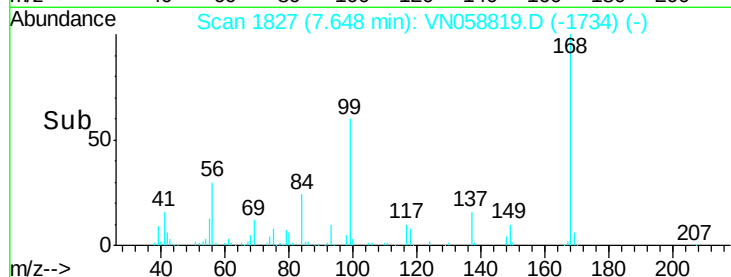
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 21.076 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058819.D

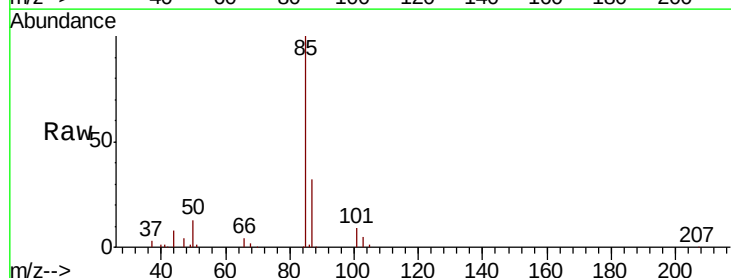
Acq: 17 Oct 2019 12:13

Tgt Ion: 85 Resp: 96976

Ion Ratio Lower Upper

85 100

87 32.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

60000

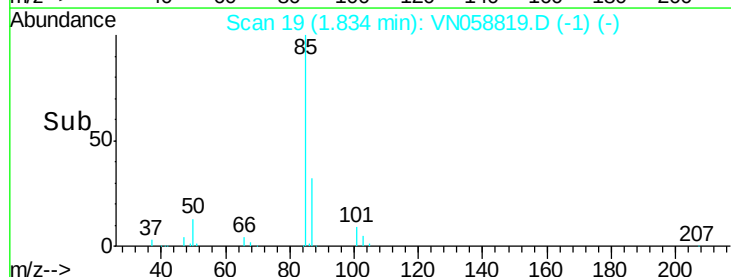
40000

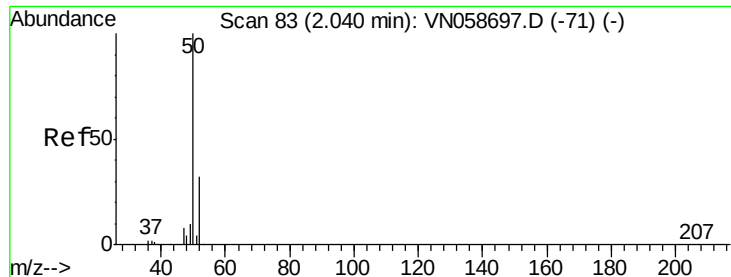
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 20.575 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

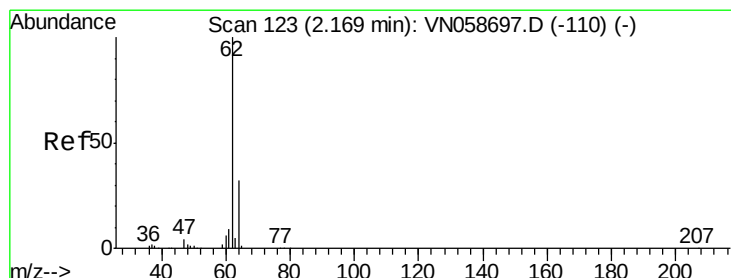
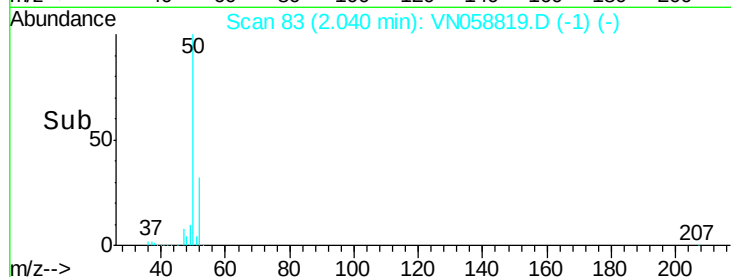
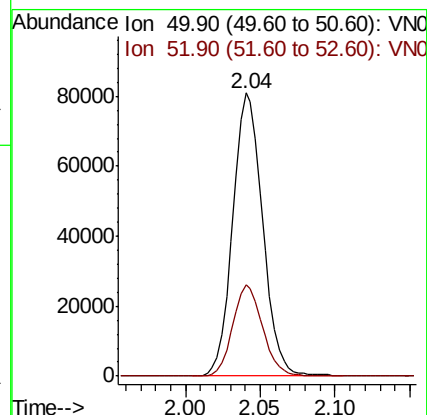
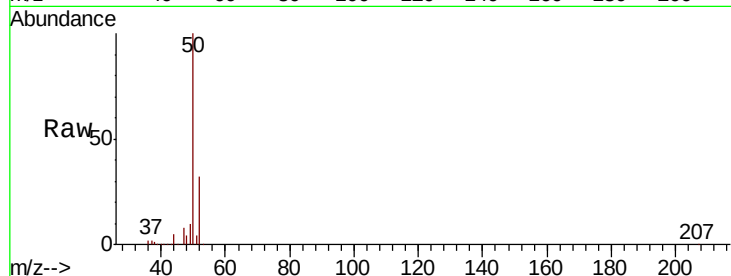
ClientSampleId :

Tot Ion: 50 Resp: 112573

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 21.138 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058819.D

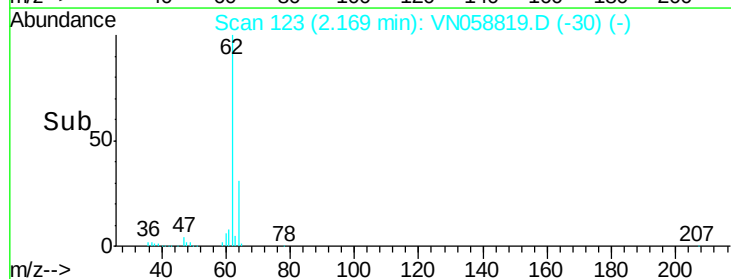
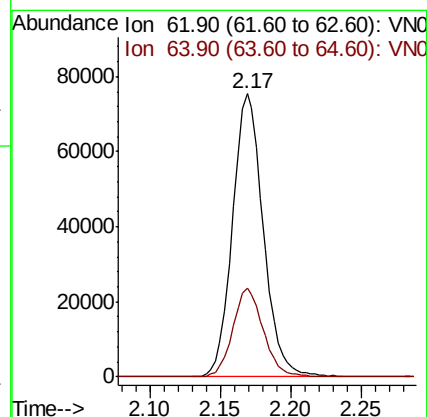
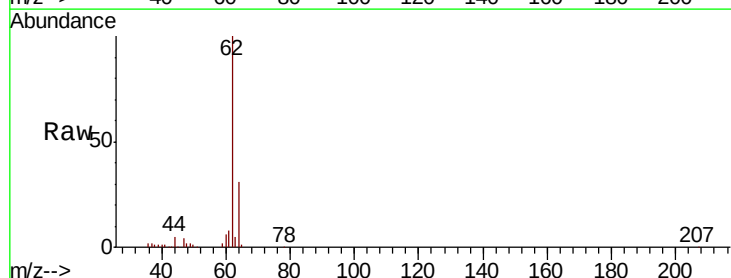
Acq: 17 Oct 2019 12:13

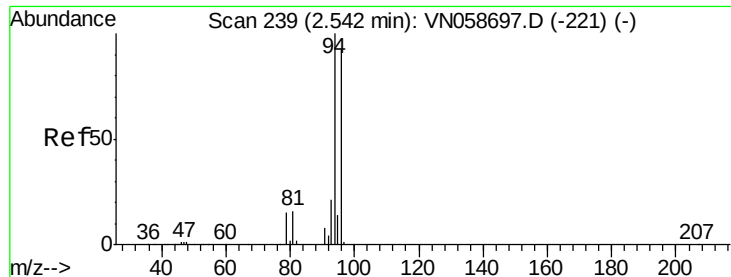
Tgt Ion: 62 Resp: 115185

Ion Ratio Lower Upper

62 100

64 31.2 25.3 37.9





#5

Bromomethane

Concen: 21.701 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

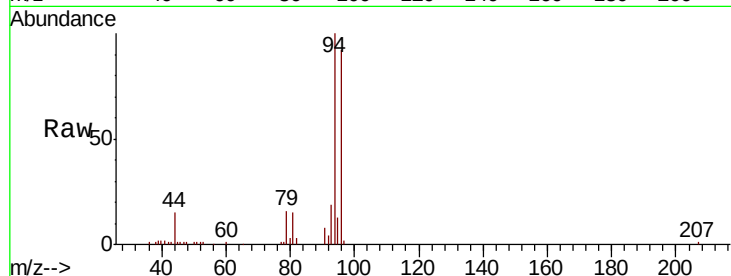
ClientSampleId :

Tot Ion: 94 Resp: 71938

Ion Ratio Lower Upper

94 100

96 91.7 74.5 111.7

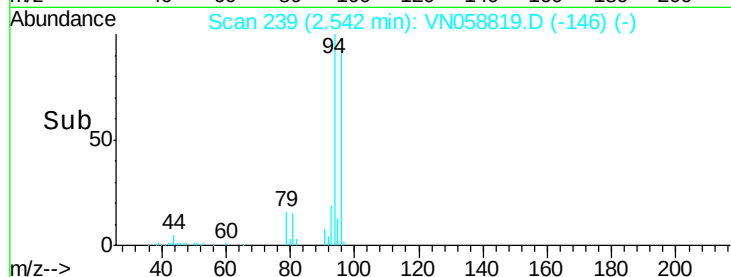


Abundance Ion 93.90 (93.60 to 94.60): VN058819.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN058819.D (-146) (-)

2.54

Time-->



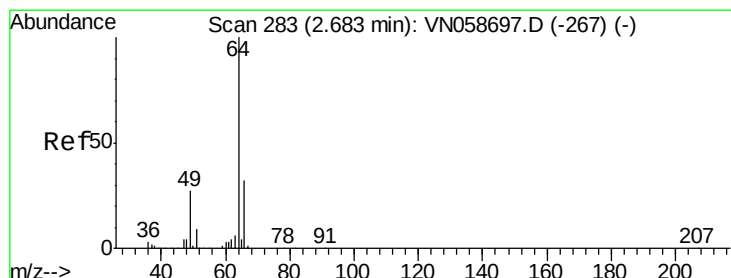
Abundance

Ion 93.90 (93.60 to 94.60): VN058819.D (-146) (-)

Ion 95.90 (95.60 to 96.60): VN058819.D (-146) (-)

2.54

Time-->



#6

Chloroethane

Concen: 21.690 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058819.D

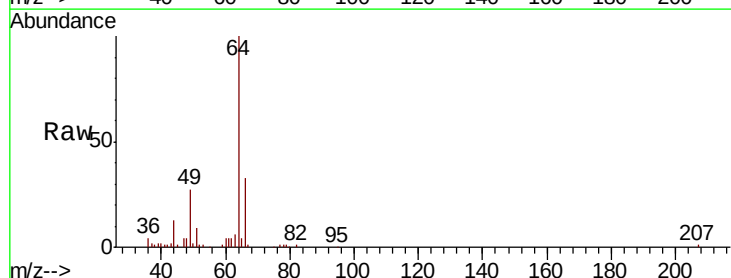
Acq: 17 Oct 2019 12:13

Tgt Ion: 64 Resp: 72905

Ion Ratio Lower Upper

64 100

66 32.6 25.4 38.2

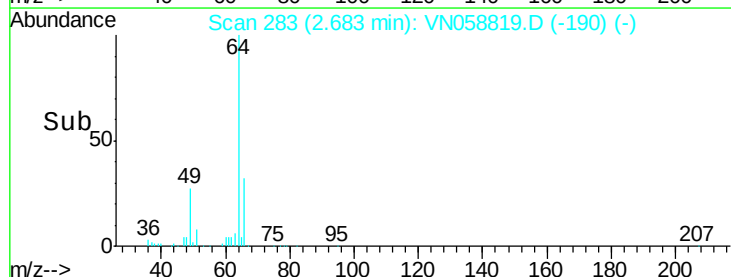


Abundance Ion 63.90 (63.60 to 64.60): VN058819.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN058819.D (-190) (-)

2.68

Time-->



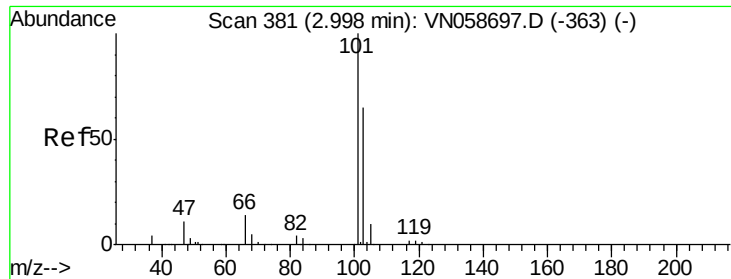
Abundance

Ion 63.90 (63.60 to 64.60): VN058819.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN058819.D (-190) (-)

2.68

Time-->

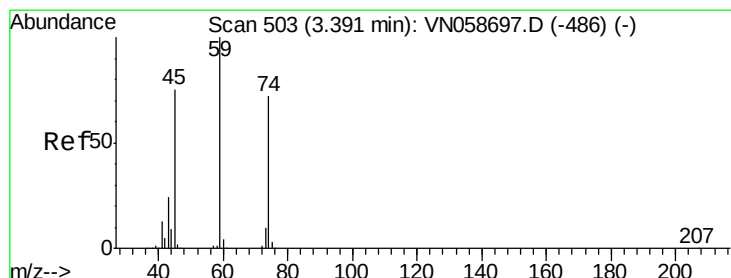
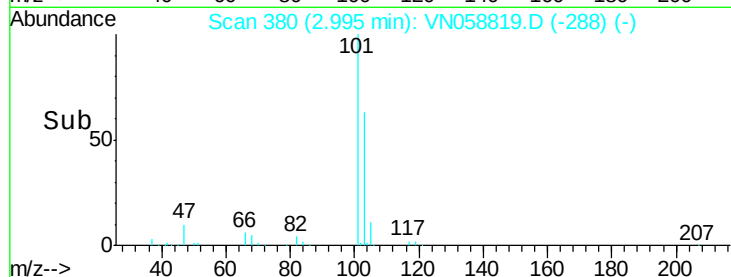
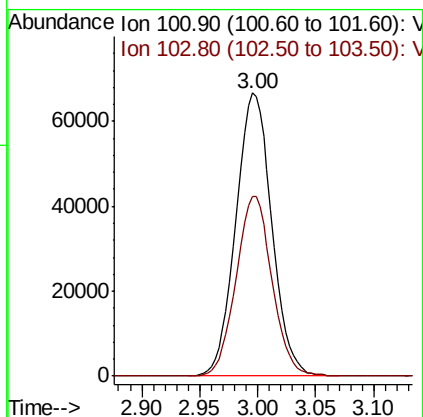
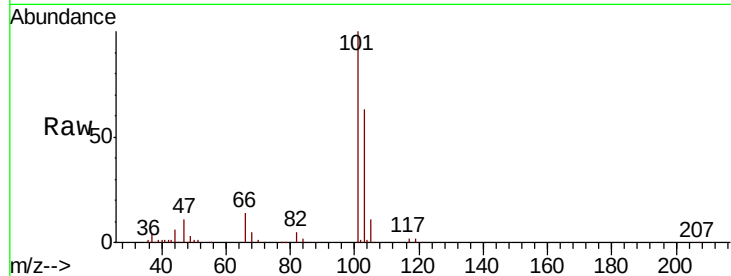


#7

Trichlorofluoromethane
 Concen: 22.001 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :

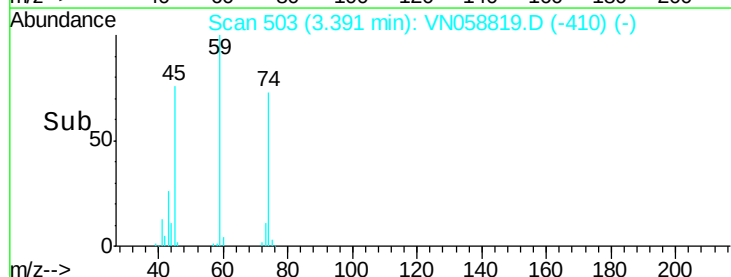
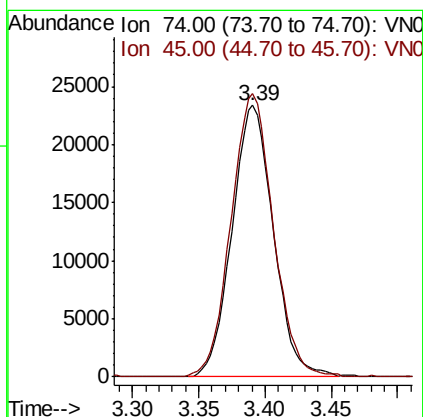
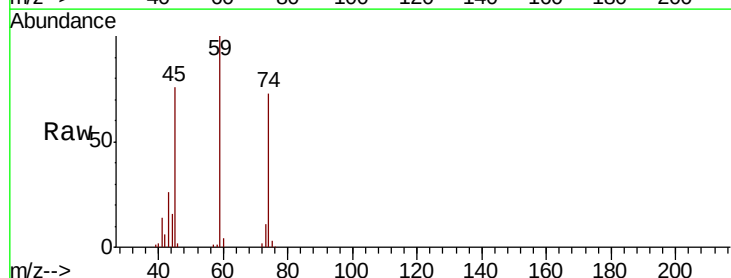
Tot Ion:101 Resp: 143485
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.8 77.6

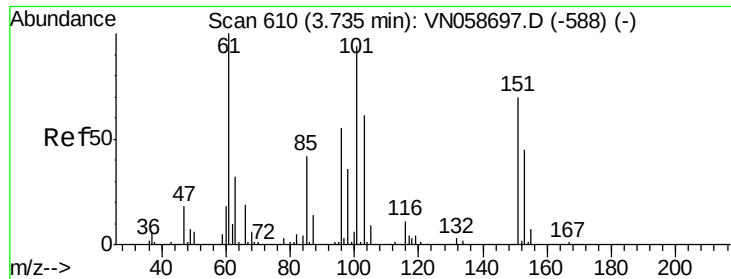


#8

Diethyl Ether
 Concen: 21.013 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 74 Resp: 50633
 Ion Ratio Lower Upper
 74 100
 45 106.5 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.654 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

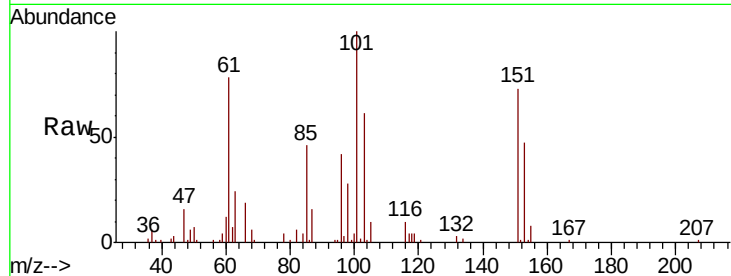
Tot Ion:101 Resp: 80521

Ion Ratio Lower Upper

101 100

85 47.2 37.0 55.6

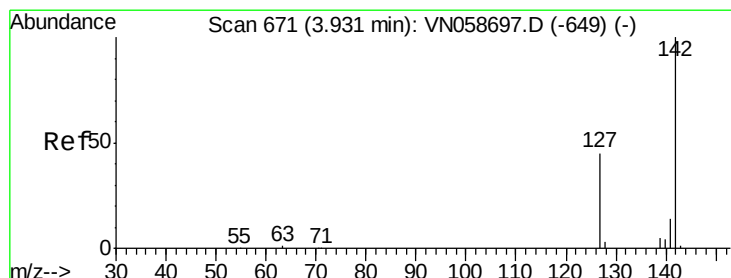
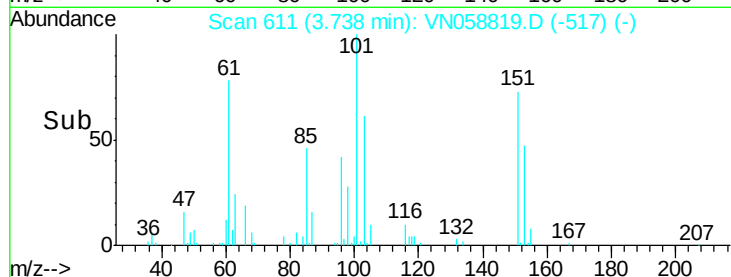
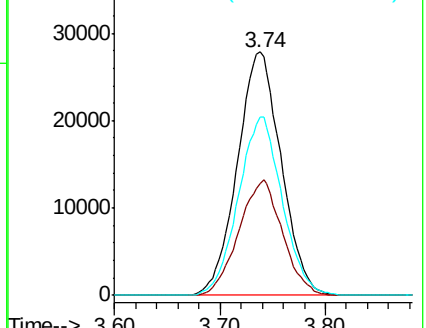
151 73.3 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.883 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

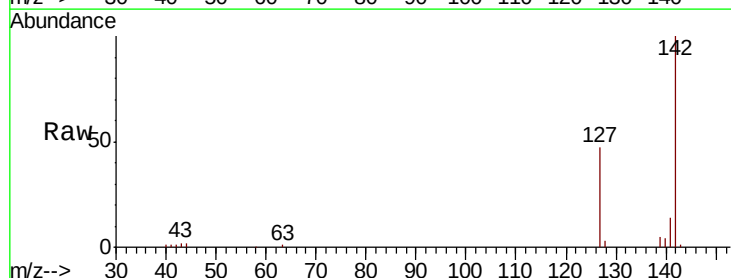
Tgt Ion:142 Resp: 100893

Ion Ratio Lower Upper

142 100

127 46.2 36.4 54.6

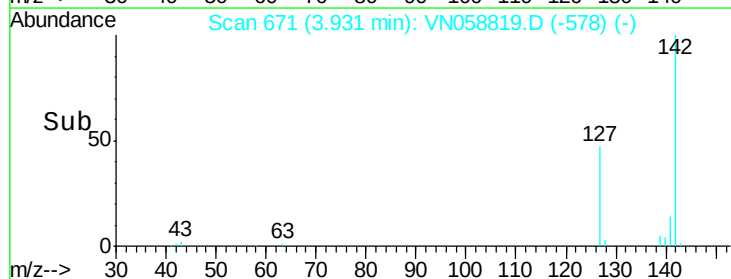
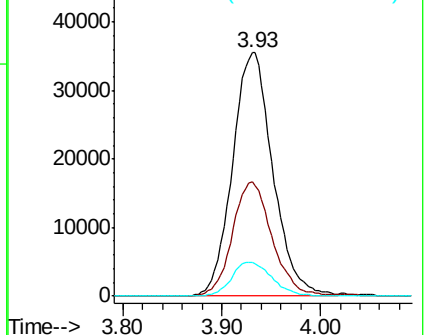
141 13.8 11.1 16.7

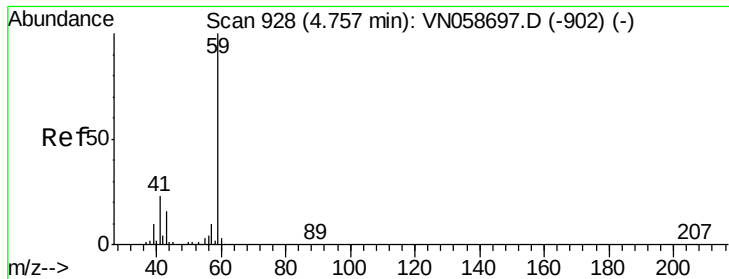


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



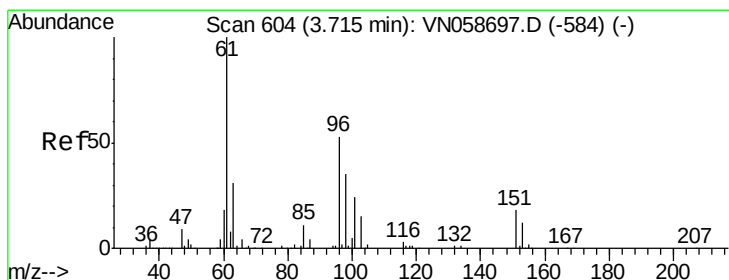
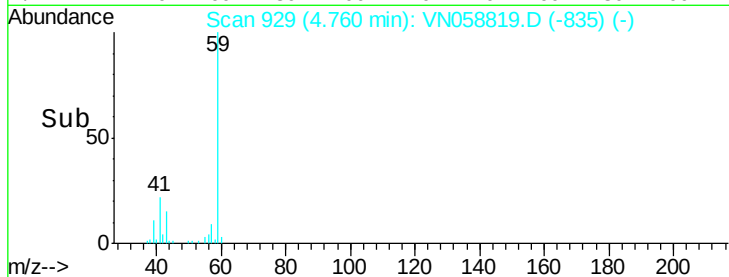
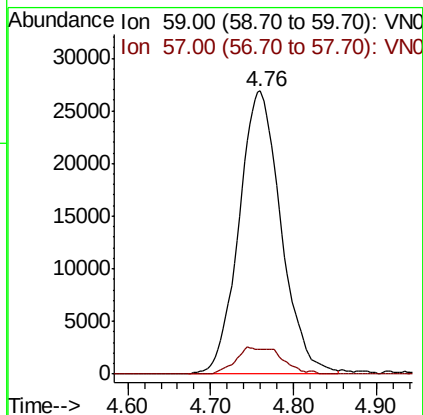
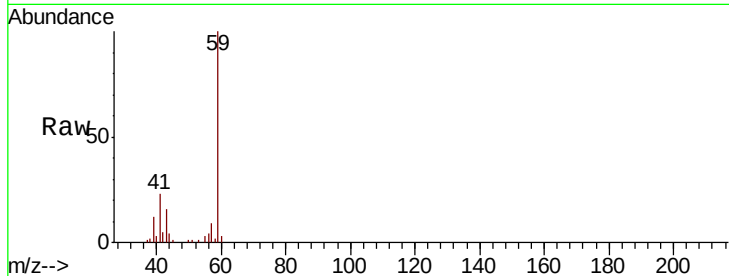


#11

Tert butyl alcohol
 Concen: 113.037 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :

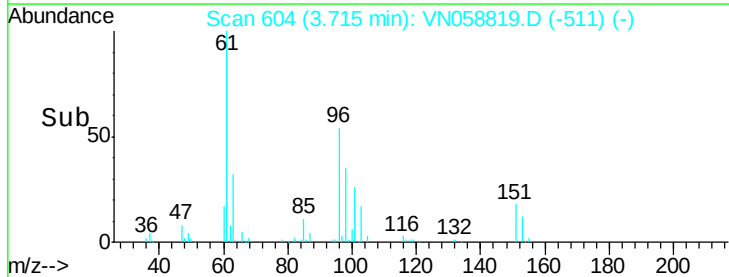
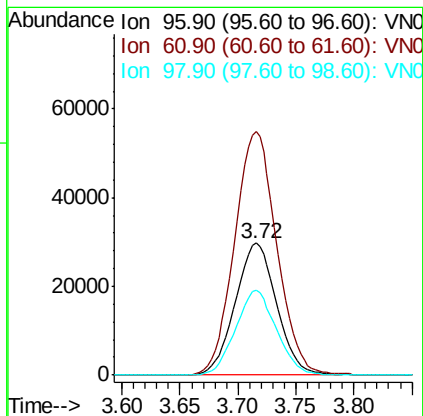
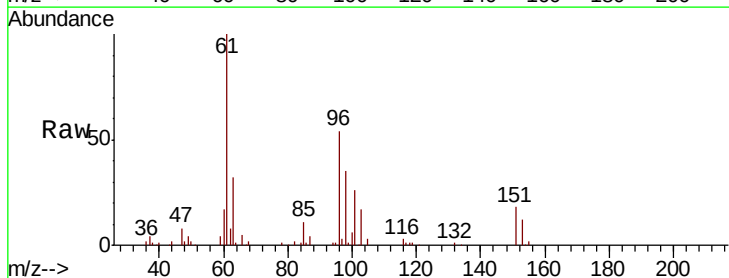
Tot Ion: 59 Resp: 94683
 Ion Ratio Lower Upper
 59 100
 57 5.6 8.4 12.6#

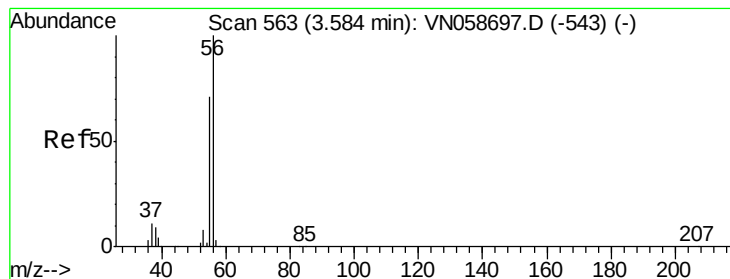


#12

1,1-Dichloroethene
 Concen: 20.776 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 96 Resp: 73711
 Ion Ratio Lower Upper
 96 100
 61 184.4 151.3 226.9
 98 64.6 52.6 78.8





#13

Acrolein

Concen: 64.654 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

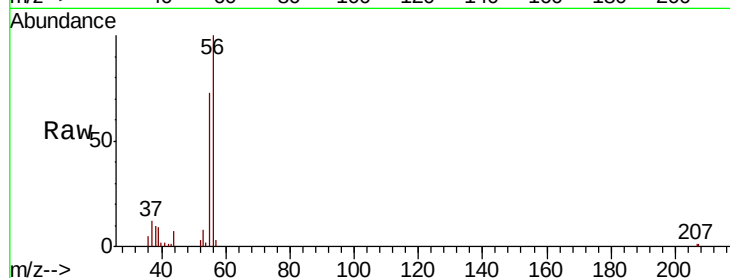
ClientSampled :

Tot Ion: 56 Resp: 43555

Ion Ratio Lower Upper

56 100

55 73.8 56.7 85.1



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

20000

15000

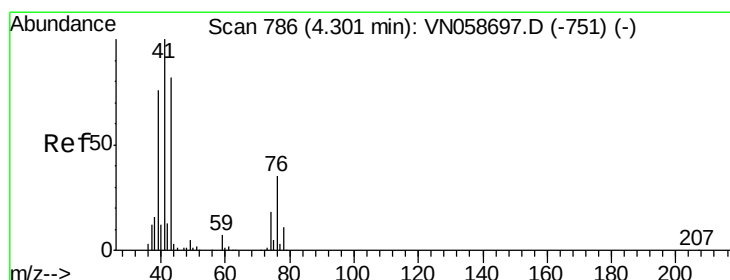
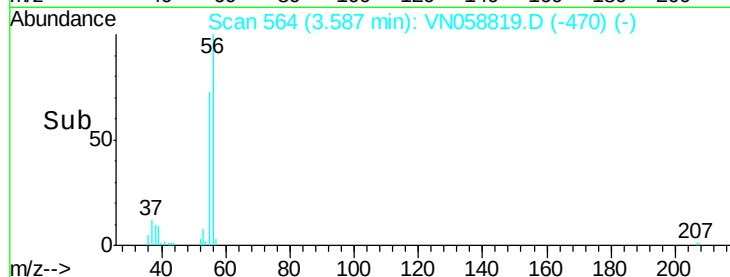
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 21.385 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

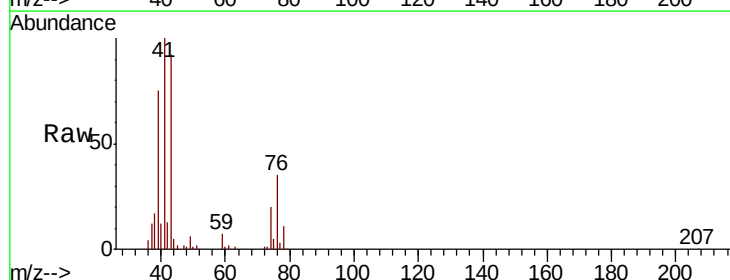
Tgt Ion: 41 Resp: 153116

Ion Ratio Lower Upper

41 100

39 70.9 57.2 85.8

76 31.5 25.0 37.6



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.30

60000

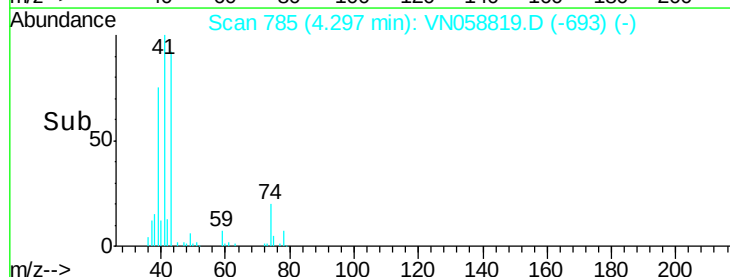
40000

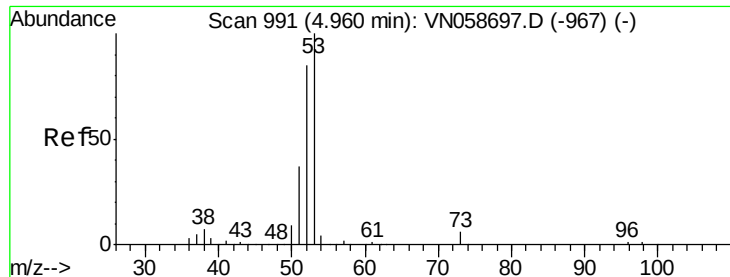
20000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 118.972 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampleId :

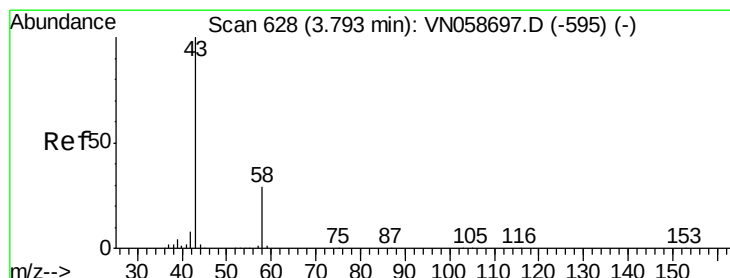
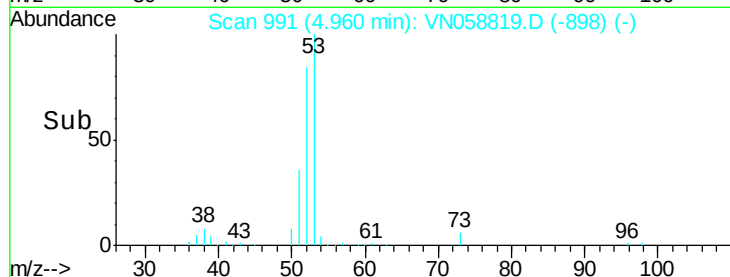
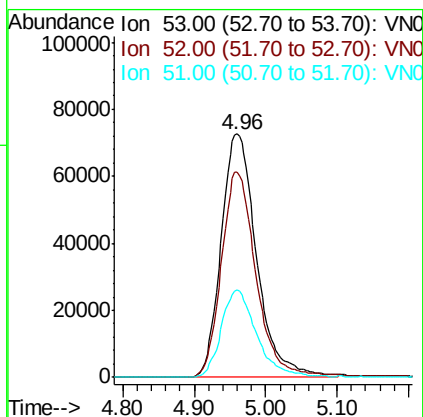
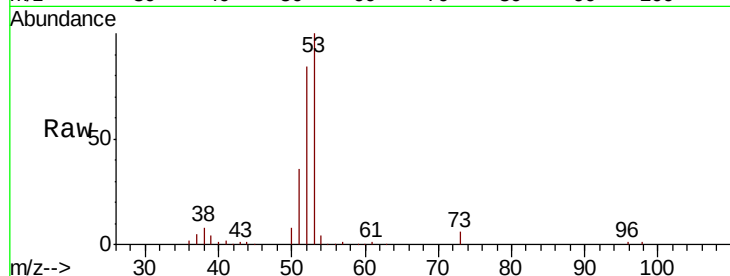
Tot Ion: 53 Resp: 251312

Ion Ratio Lower Upper

53 100

52 82.3 66.2 99.2

51 36.0 29.4 44.2



#16

Acetone

Concen: 125.829 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058819.D

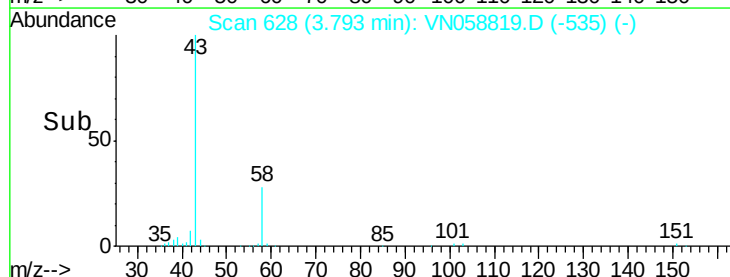
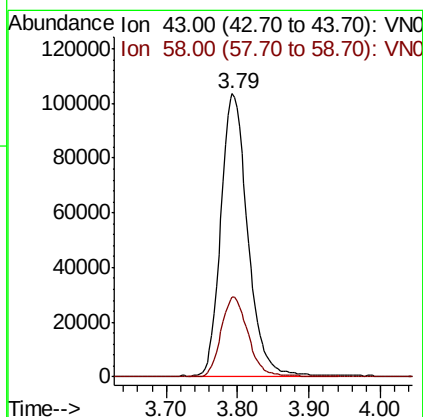
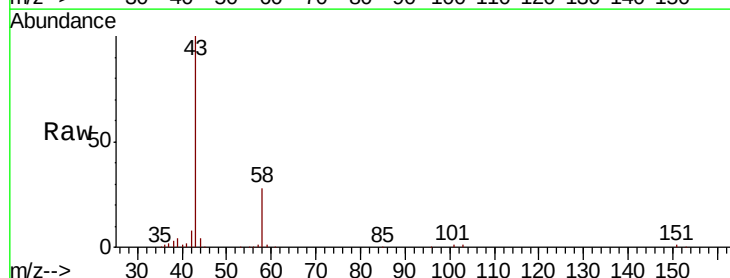
Acq: 17 Oct 2019 12:13

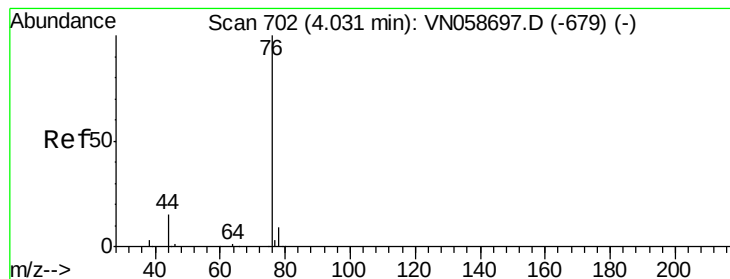
Tgt Ion: 43 Resp: 269425

Ion Ratio Lower Upper

43 100

58 28.5 23.3 34.9





#17

Carbon Disulfide

Concen: 19.513 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

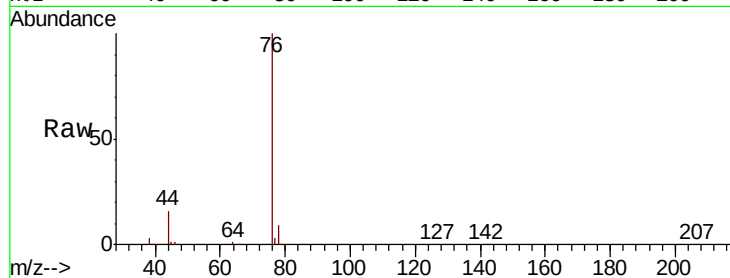
ClientSampleId :

Tot Ion: 76 Resp: 221303

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

80000

60000

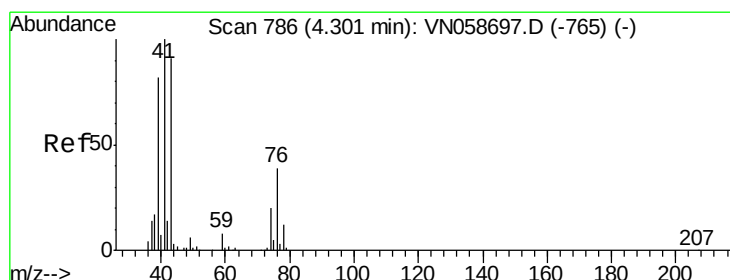
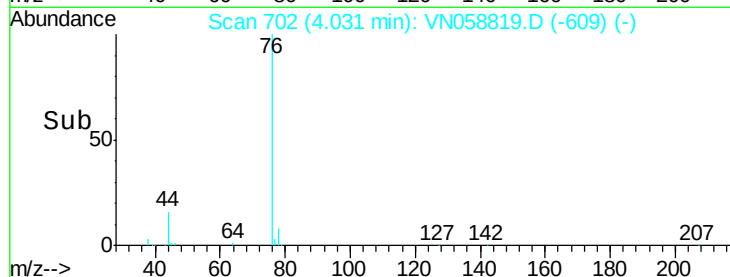
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 23.893 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058819.D

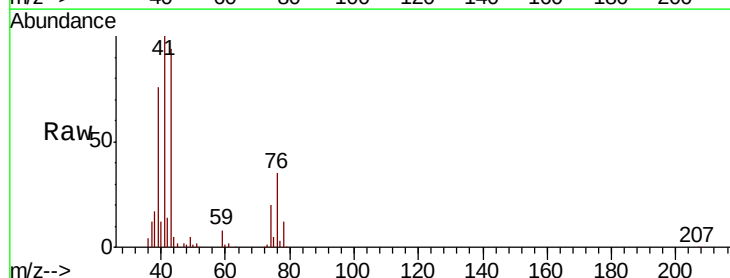
Acq: 17 Oct 2019 12:13

Tgt Ion: 43 Resp: 129770

Ion Ratio Lower Upper

43 100

74 22.2 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

50000

40000

30000

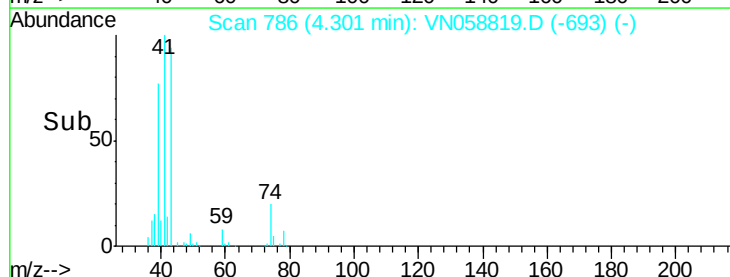
20000

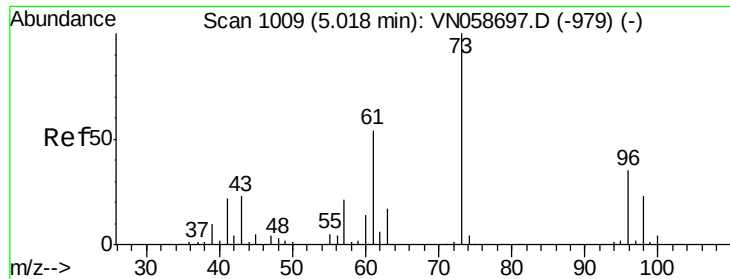
10000

0

Time-->

4.20 4.30 4.40

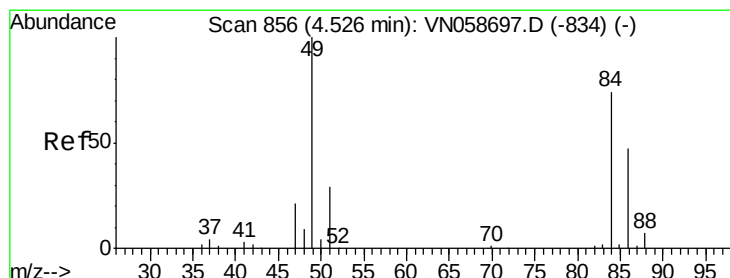
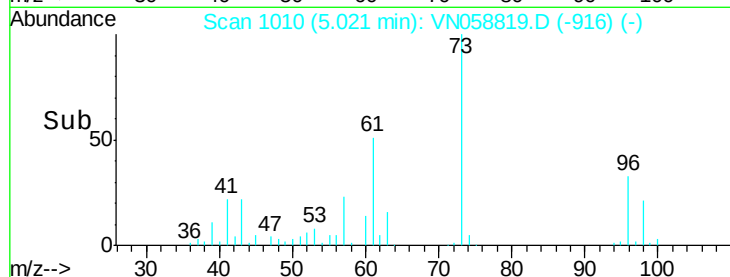
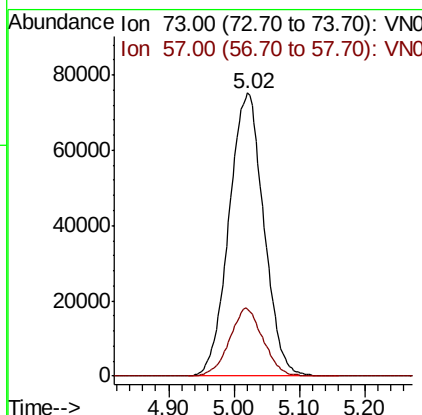
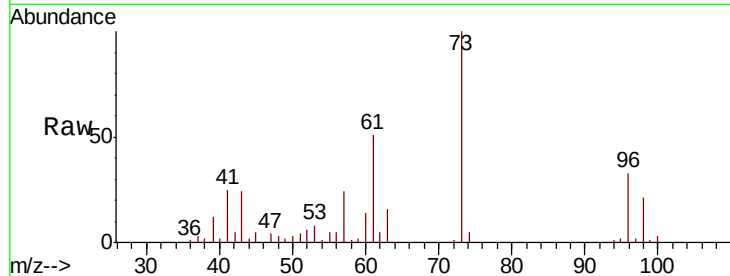




#19
Methyl tert-butyl Ether
Concen: 21.937 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

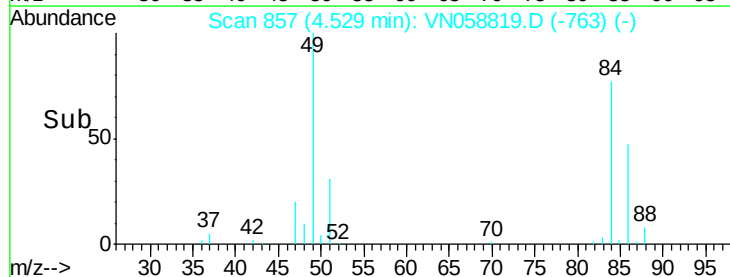
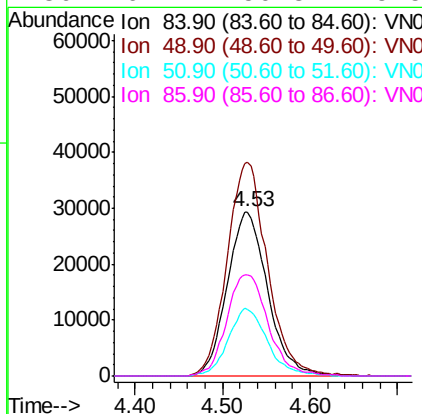
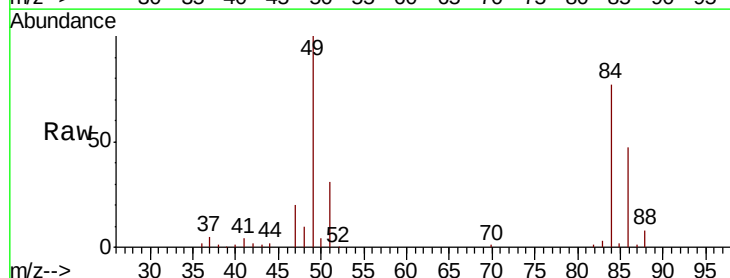
Instrument :
MSVOA_N
ClientSampleId :

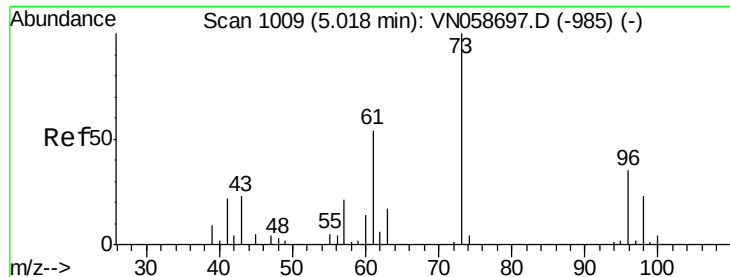
Tot Ion: 73 Resp: 277926
Ion Ratio Lower Upper
73 100
57 23.7 17.0 25.6



#20
Methylene Chloride
Concen: 20.957 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion: 84 Resp: 93785
Ion Ratio Lower Upper
84 100
49 130.0 107.6 161.4
51 40.9 31.4 47.0
86 61.7 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 20.805 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

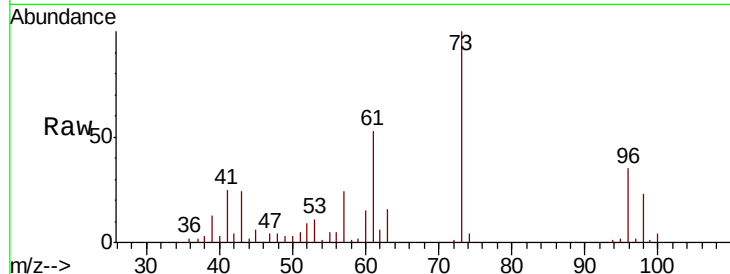
Tot Ion: 96 Resp: 82566

Ion Ratio Lower Upper

96 100

61 149.7 123.6 185.4

98 63.6 52.1 78.1

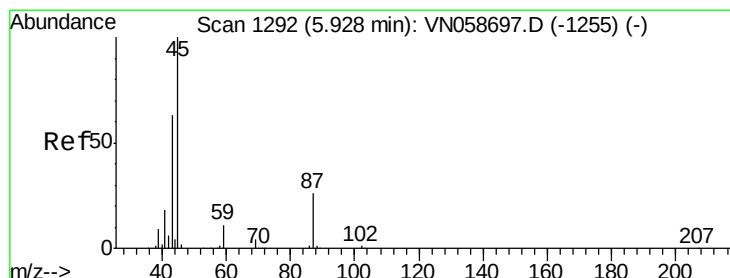
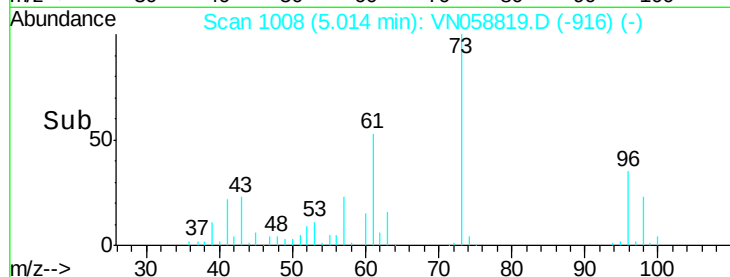
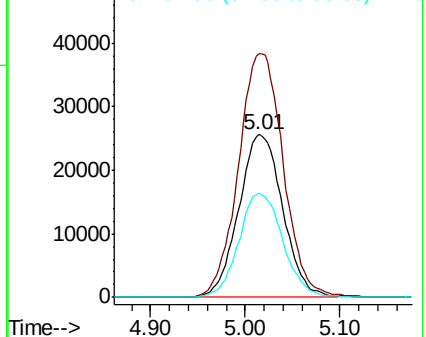


Abundance

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



#22

Diisopropyl ether

Concen: 22.187 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion: 45 Resp: 308870

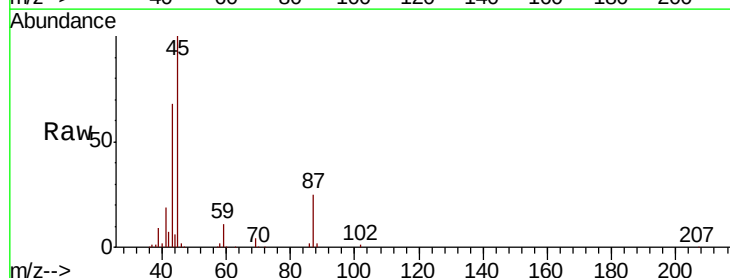
Ion Ratio Lower Upper

45 100

43 65.2 50.6 75.8

87 24.9 21.1 31.7

59 10.6 9.0 13.4



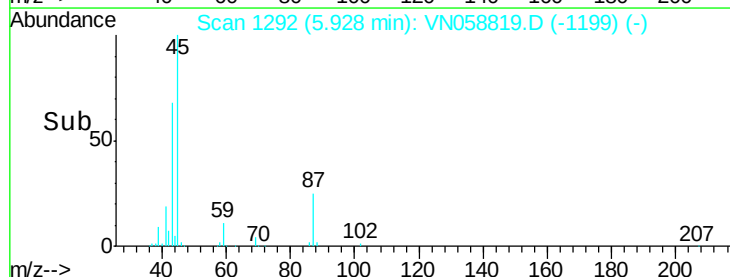
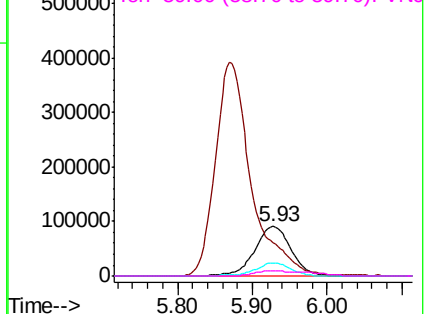
Abundance

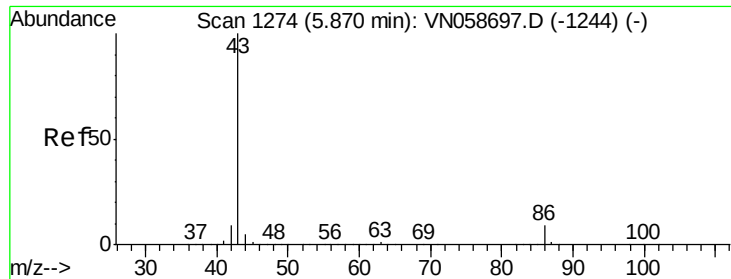
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

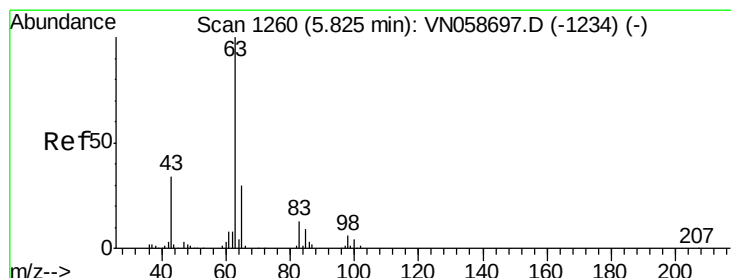
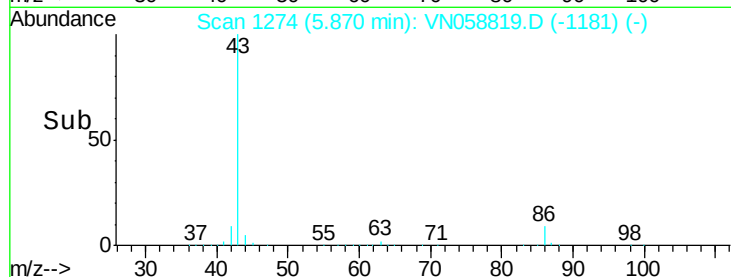
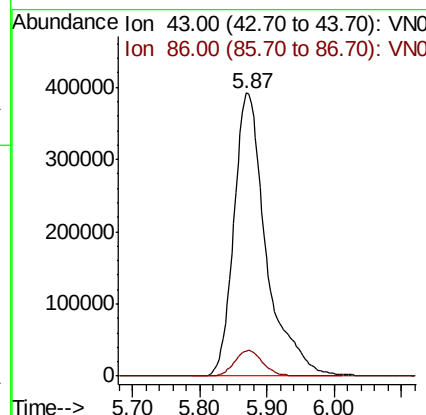
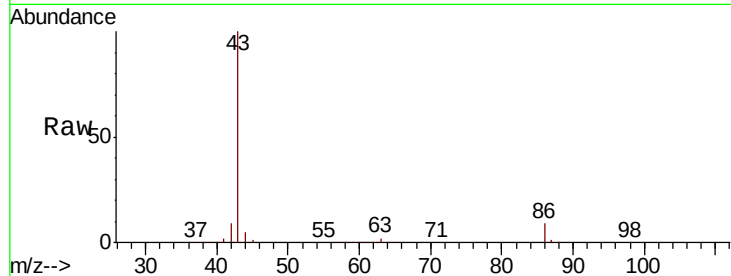




#23
 Vinyl Acetate
 Concen: 116.187 ug/l
 RT: 5.87 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

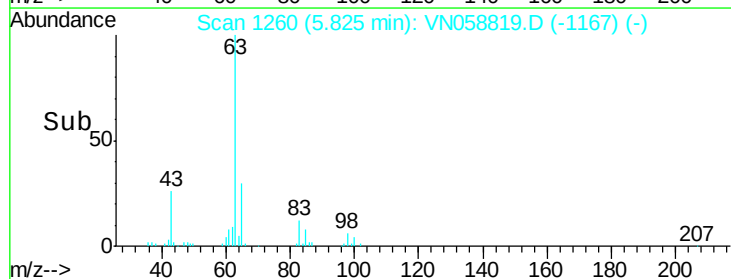
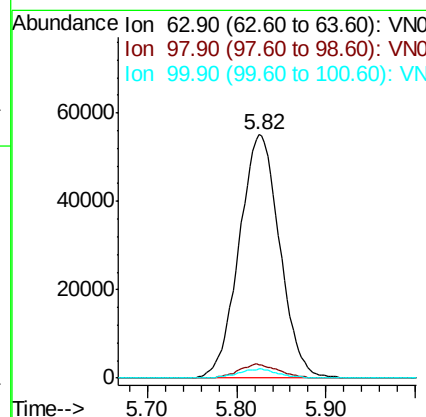
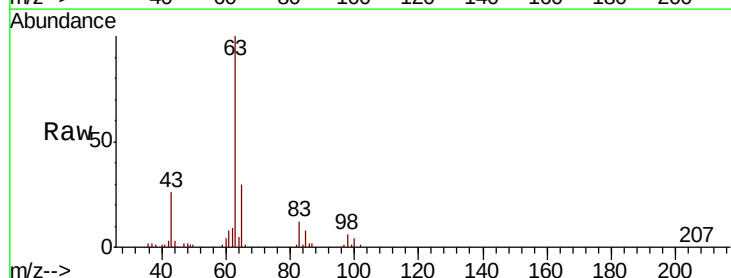
Instrument :
 MSVOA_N
 ClientSampled :

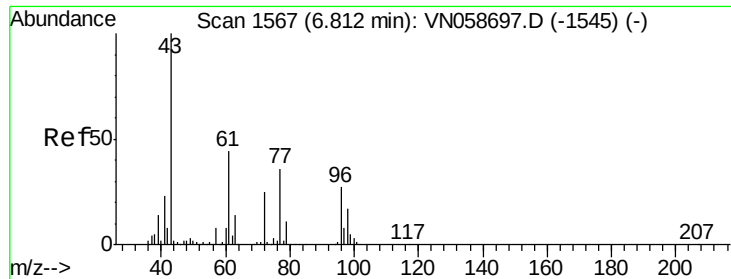
Tot Ion: 43 Resp: 1305151
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.4 11.0



#24
 1,1-Dichloroethane
 Concen: 21.903 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 63 Resp: 173663
 Ion Ratio Lower Upper
 63 100
 98 5.6 2.9 8.6
 100 3.8 1.8 5.5





#25

2-Butanone

Concen: 116.527 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

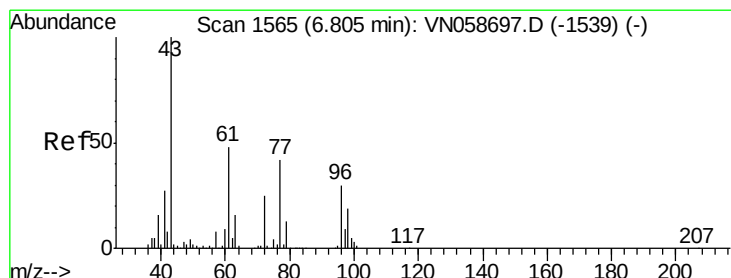
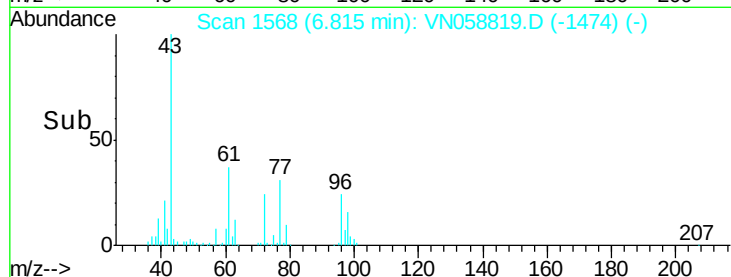
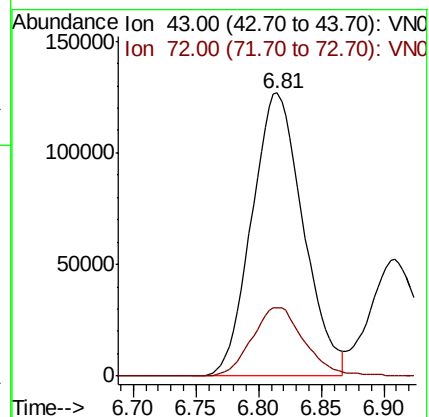
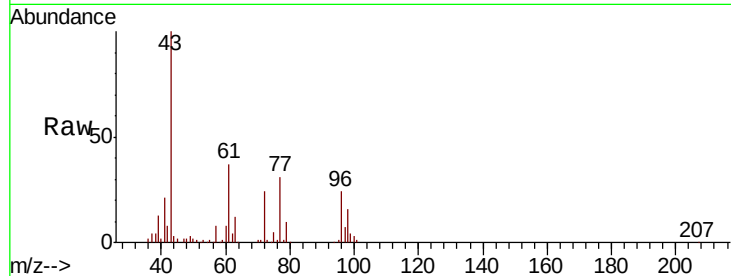
ClientSampled :

Tot Ion: 43 Resp: 360639

Ion Ratio Lower Upper

43 100

72 24.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 20.972 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058819.D

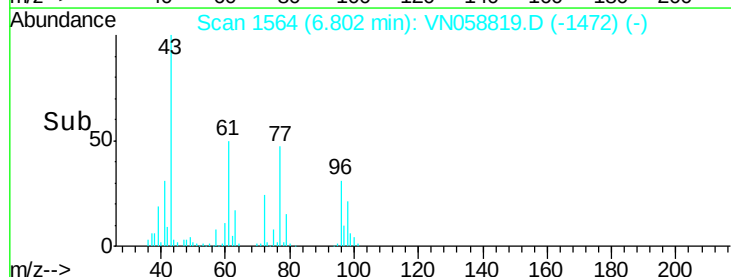
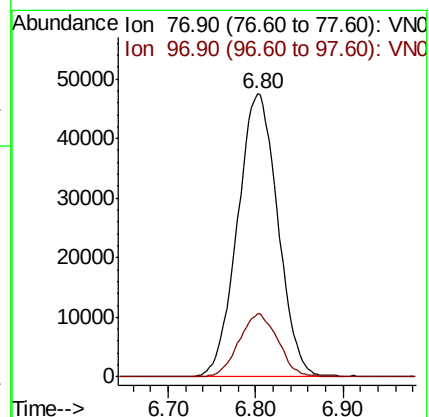
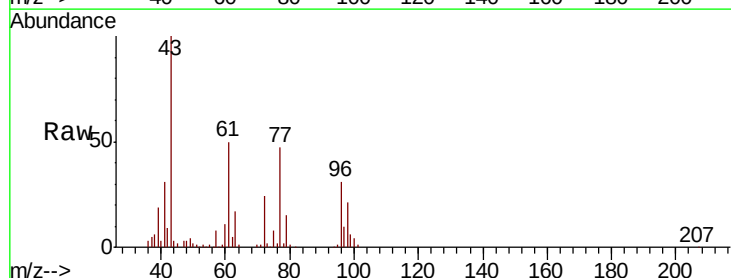
Acq: 17 Oct 2019 12:13

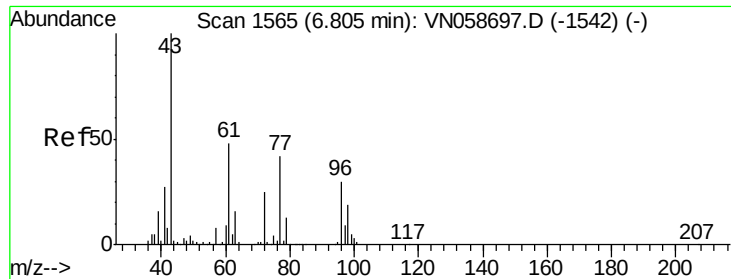
Tgt Ion: 77 Resp: 151787

Ion Ratio Lower Upper

77 100

97 21.6 10.7 31.9

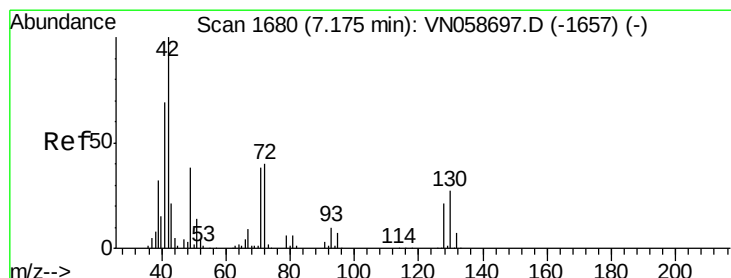
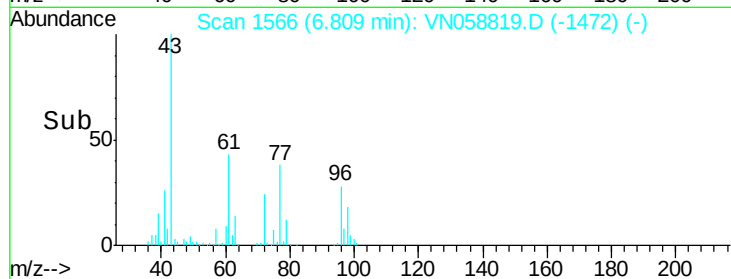
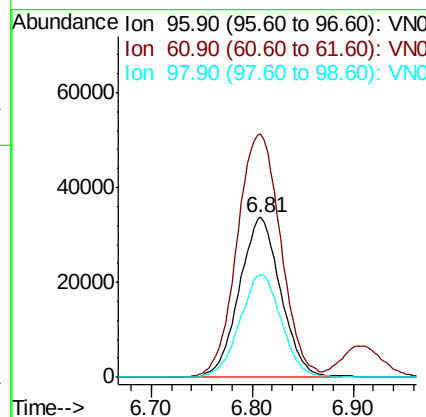
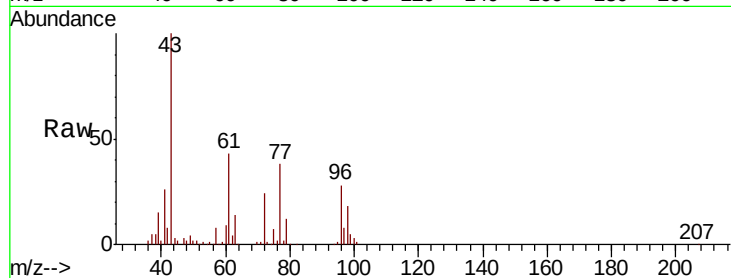




#27
 cis-1,2-Dichloroethene
 Concen: 20.683 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

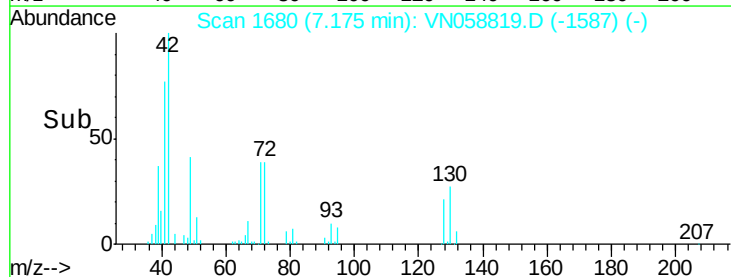
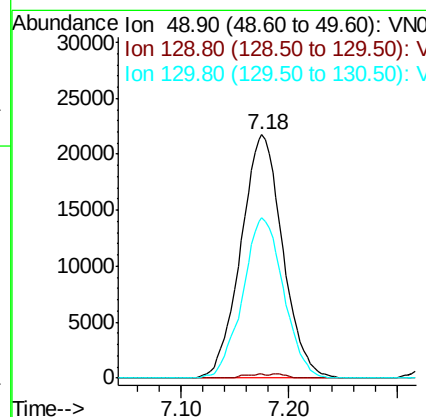
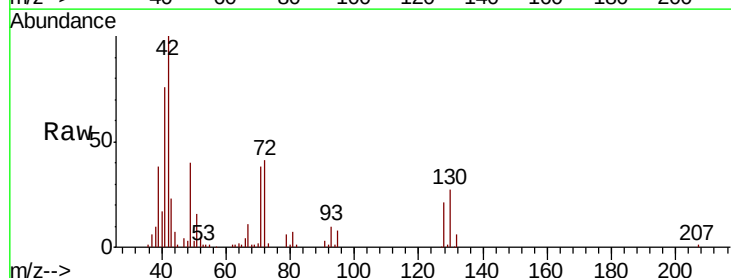
Instrument :
 MSVOA_N
 ClientSampleId :

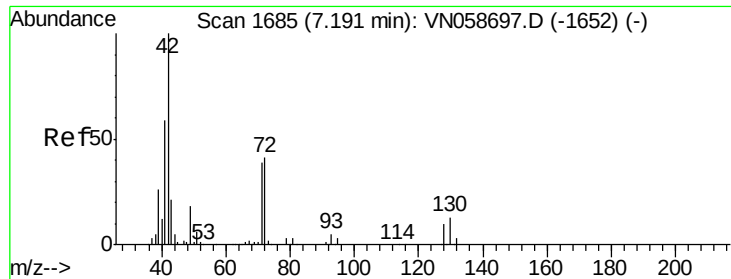
Tot Ion	Ratio	Lower	Upper
96	100		
61	161.3	0.0	324.8
98	64.6	0.0	129.2



#28
 Bromochloromethane
 Concen: 21.226 ug/l
 RT: 7.18 min Scan# 1680
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.6
130	64.3	55.0	82.4

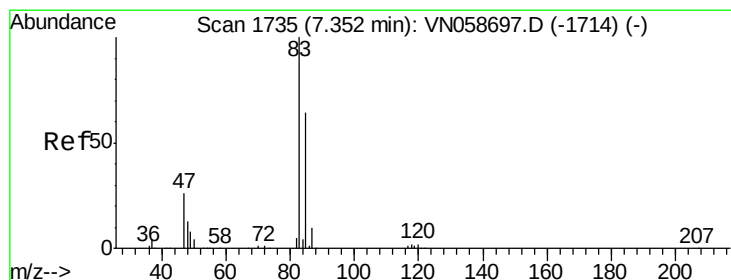
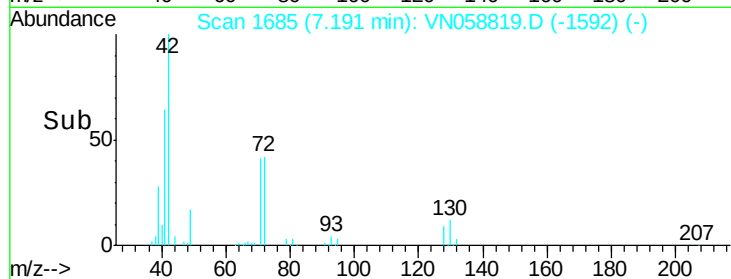
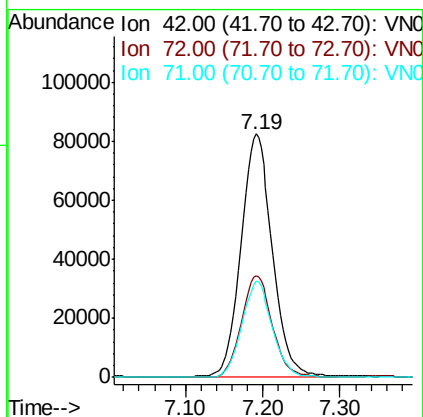
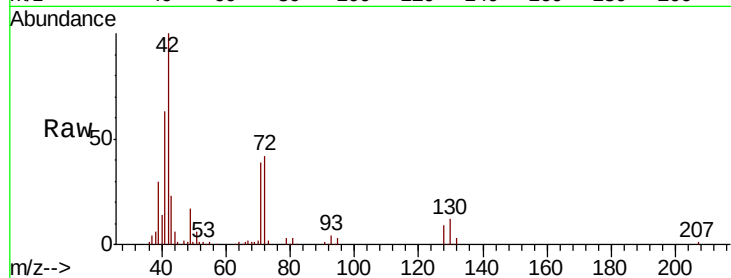




#29
Tetrahydrofuran
Concen: 115.408 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

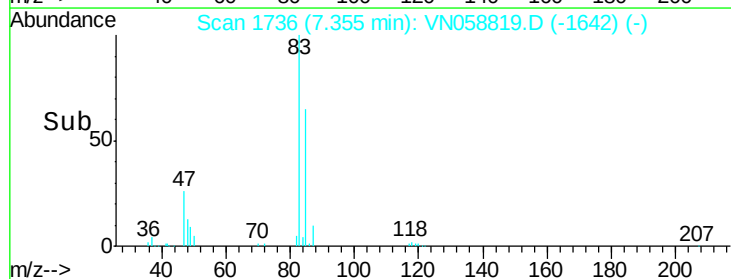
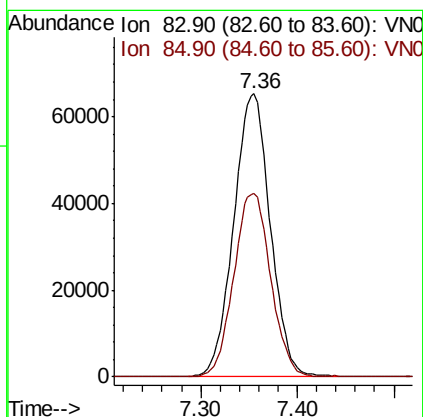
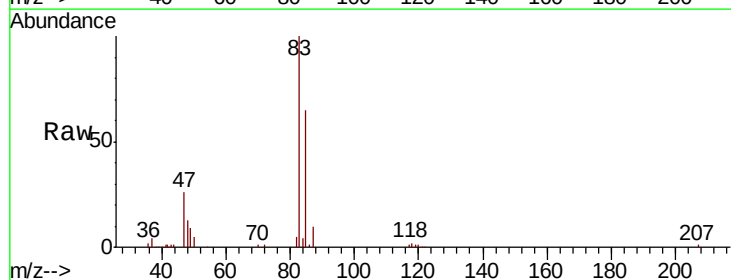
Instrument :
MSVOA_N
ClientSampled :

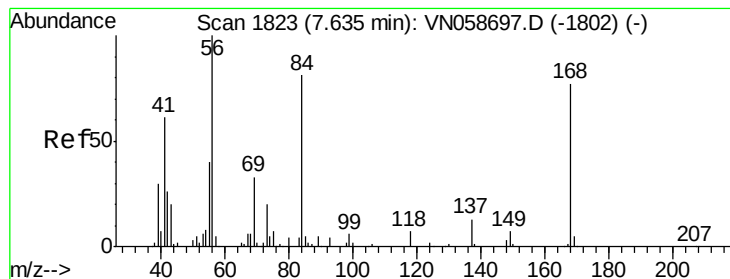
Tot Ion: 42 Resp: 230818
Ion Ratio Lower Upper
42 100
72 41.5 32.8 49.2
71 38.7 31.1 46.7



#30
Chloroform
Concen: 21.553 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion: 83 Resp: 171689
Ion Ratio Lower Upper
83 100
85 64.9 51.0 76.6





#31

Cyclohexane

Concen: 19.884 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

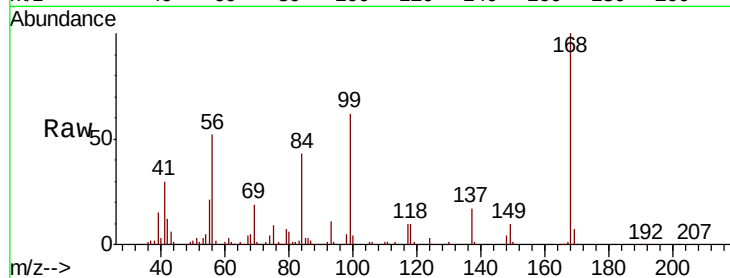
Tot Ion: 56 Resp: 150844

Ion Ratio Lower Upper

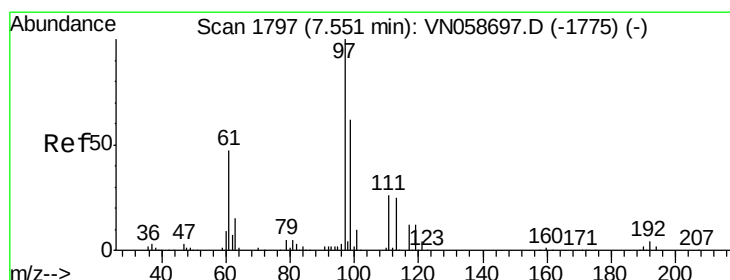
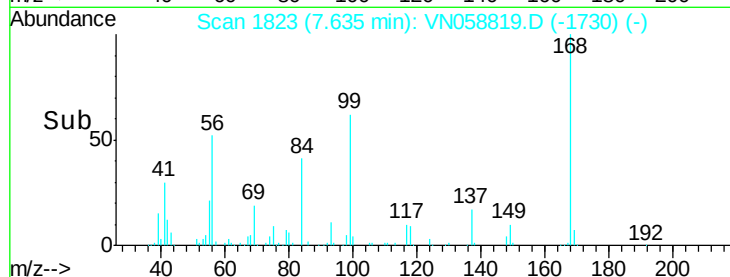
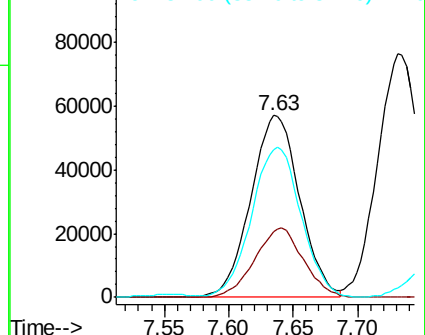
56 100

69 35.9 26.2 39.4

84 80.5 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: 21.612 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

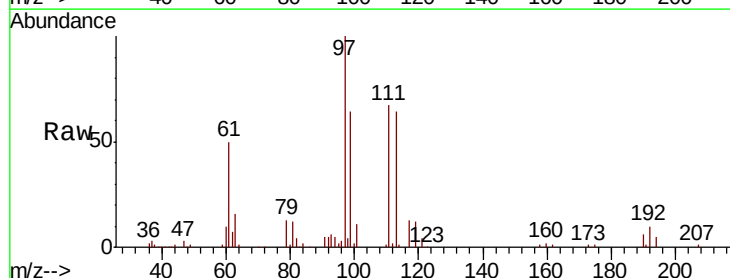
Tgt Ion: 97 Resp: 146824

Ion Ratio Lower Upper

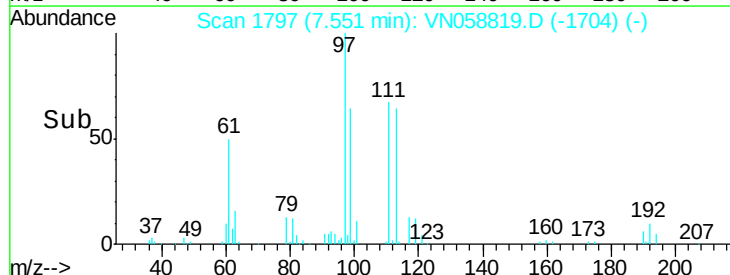
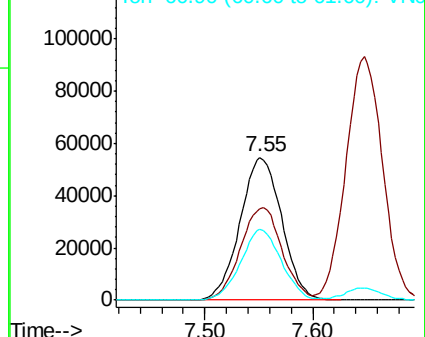
97 100

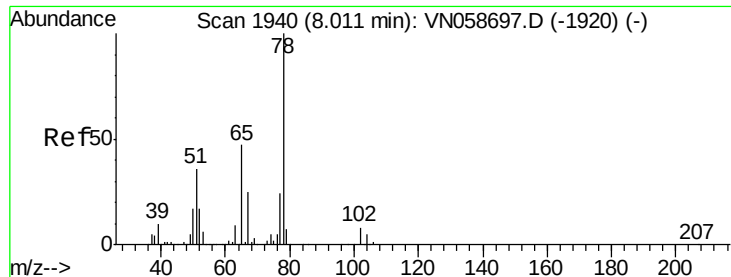
99 64.9 50.8 76.2

61 48.4 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

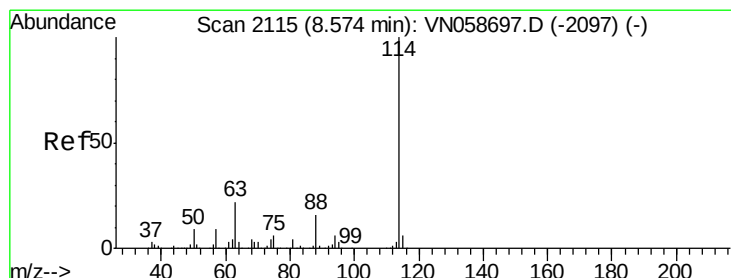
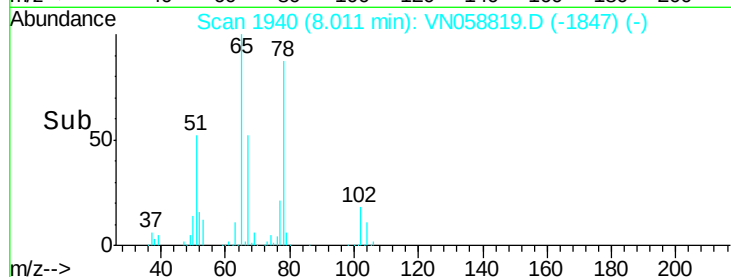
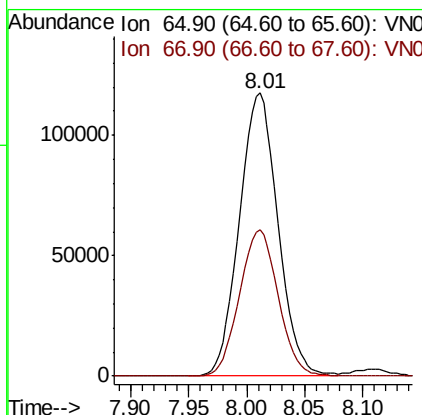
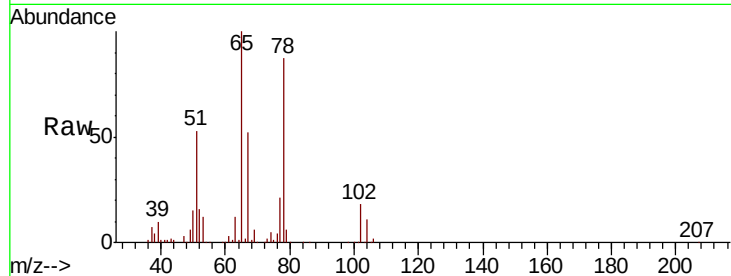




#33
 1,2-Dichloroethane-d4
 Concen: 52.743 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

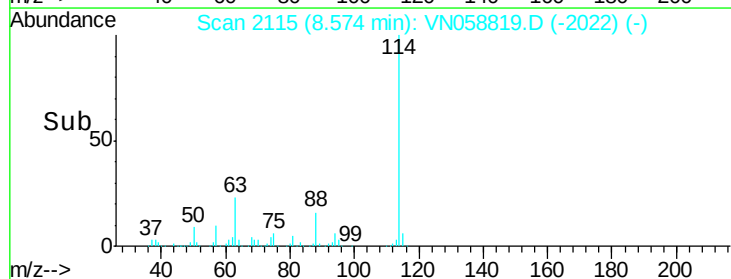
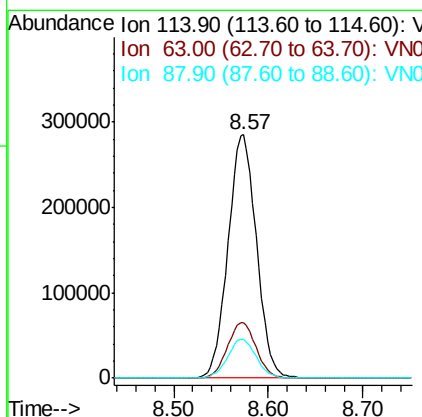
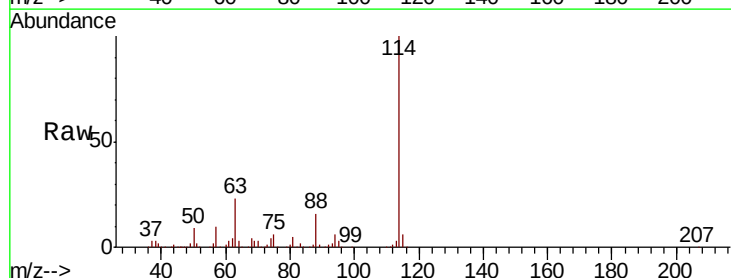
Instrument :
 MSVOA_N
 ClientSampled :

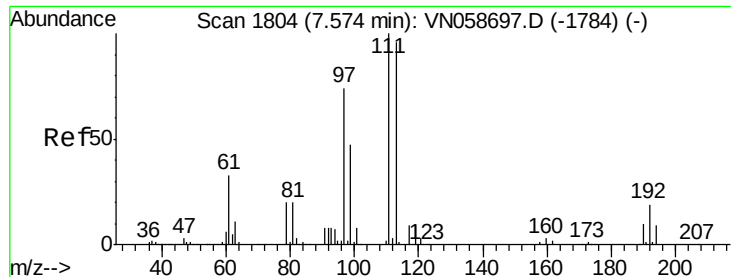
Tot Ion: 65 Resp: 272790
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 114 Resp: 595659
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.8
 88 15.8 0.0 32.0

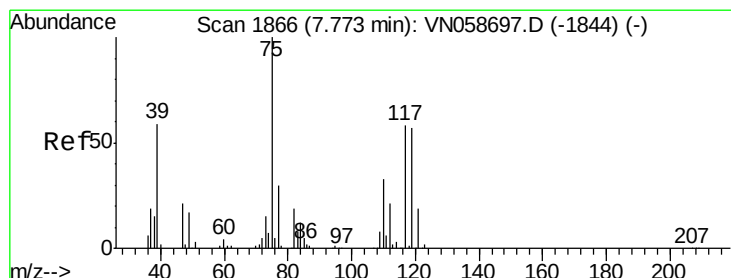
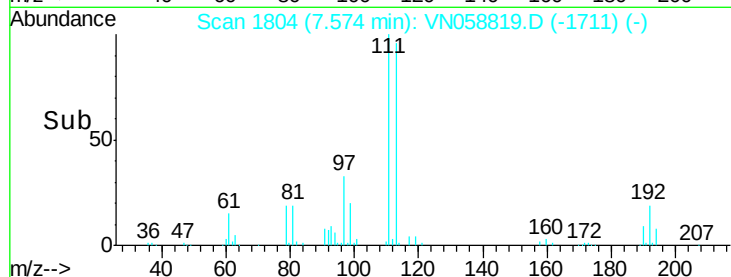
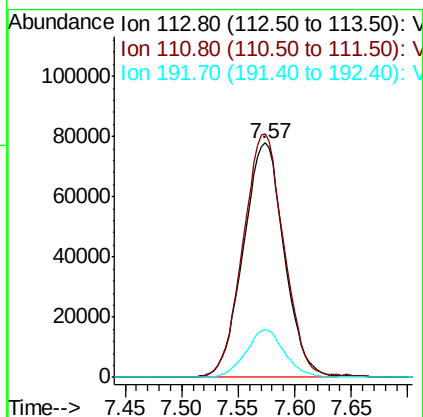
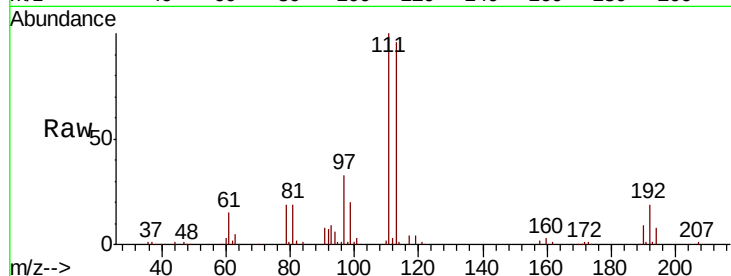




#35
Dibromofluoromethane
Concen: 53.201 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

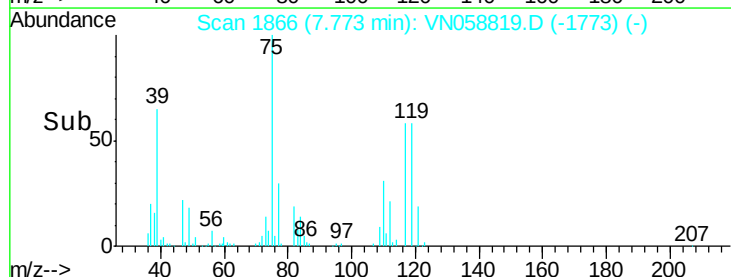
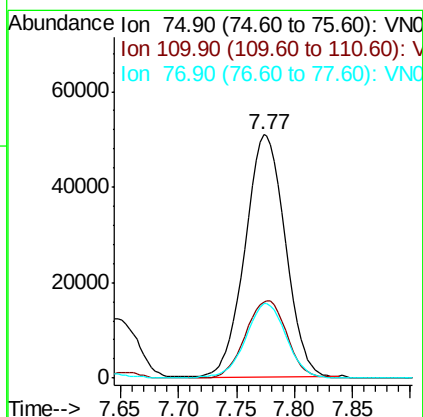
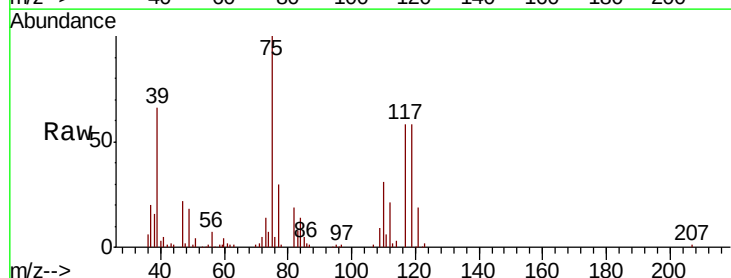
Instrument :
MSVOA_N
ClientSampleId :

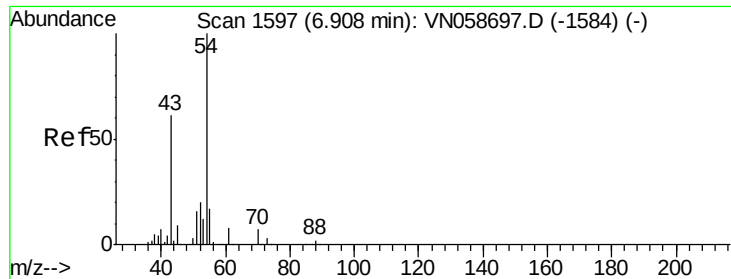
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.3	123.5
192	19.2	15.0	22.6



#36
1,1-Dichloropropene
Concen: 20.418 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.6	49.8
77	31.1	24.6	37.0





#37

Ethyl Acetate

Concen: 23.844 ug/l

RT: 6.91 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

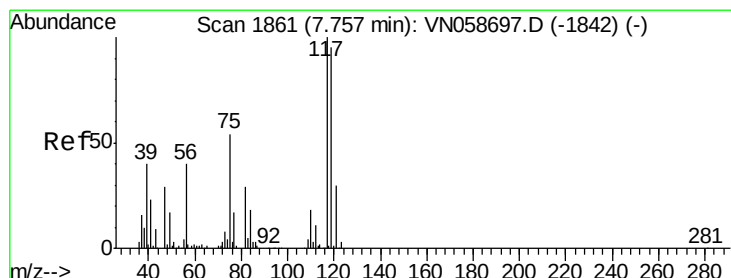
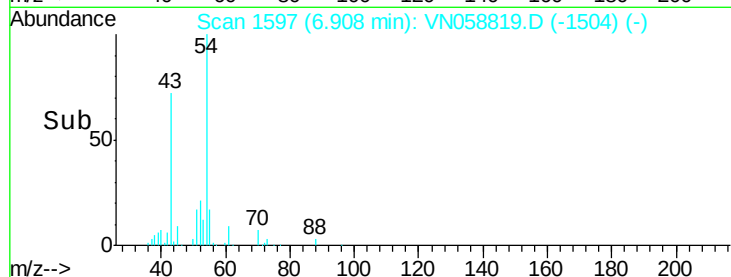
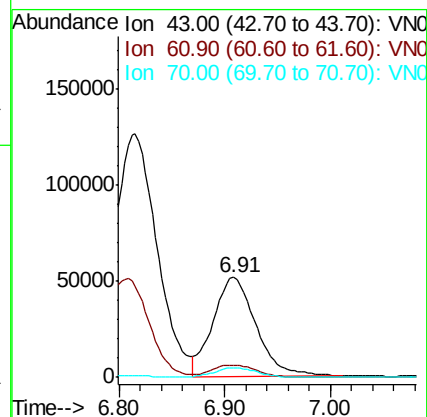
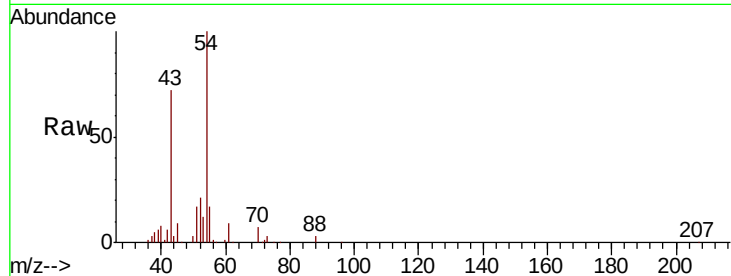
Tot Ion: 43 Resp: 145231

Ion Ratio Lower Upper

43 100

61 12.8 11.3 16.9

70 9.9 7.2 10.8



#38

Carbon Tetrachloride

Concen: 22.050 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

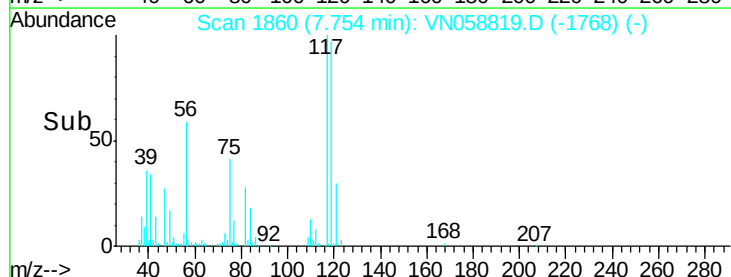
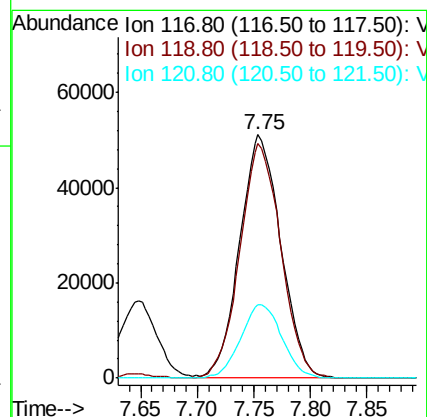
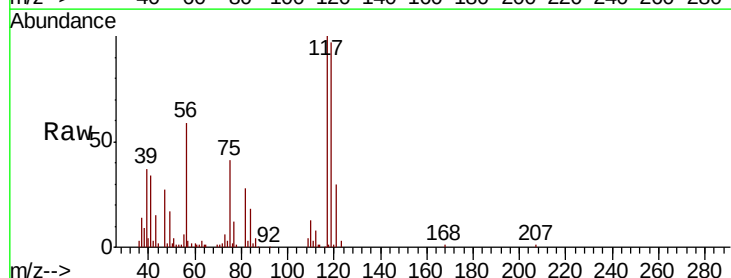
Tgt Ion: 117 Resp: 129423

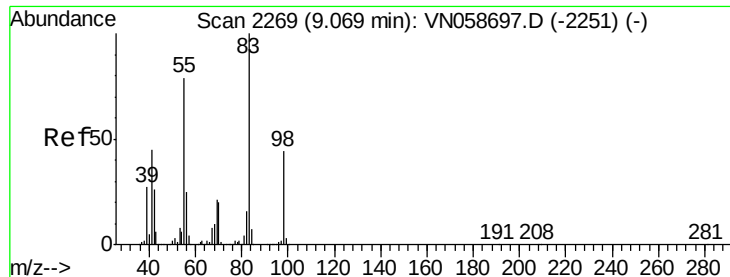
Ion Ratio Lower Upper

117 100

119 96.5 75.7 113.5

121 30.2 23.9 35.9

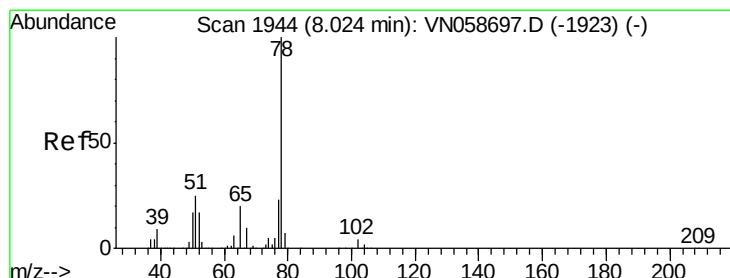
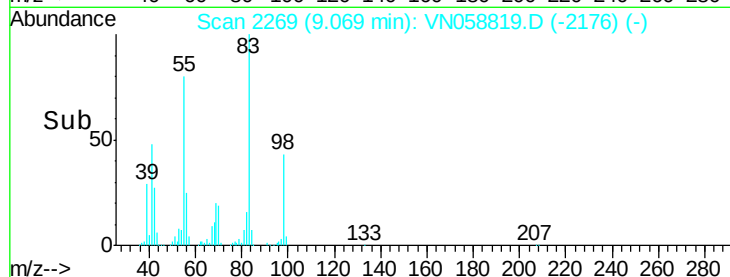
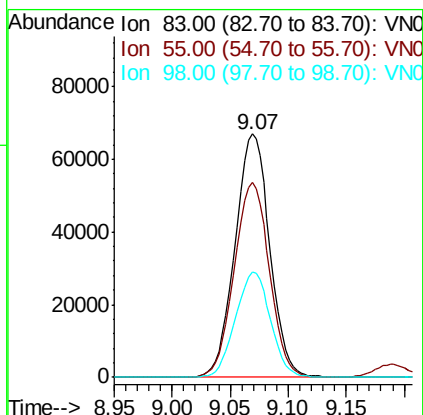
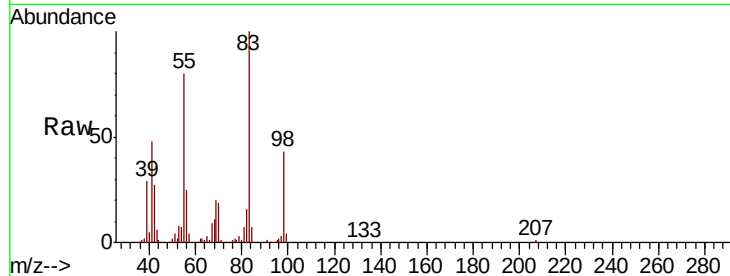




#39
Methylvlcyclohexane
Concen: 19.896 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

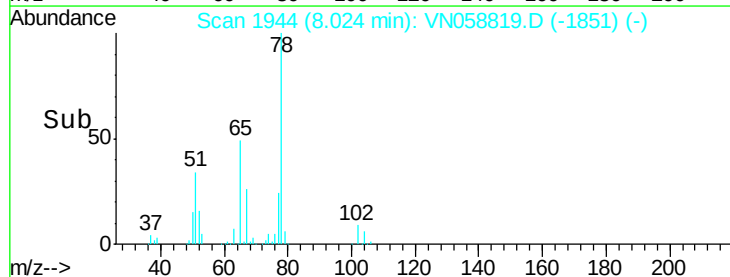
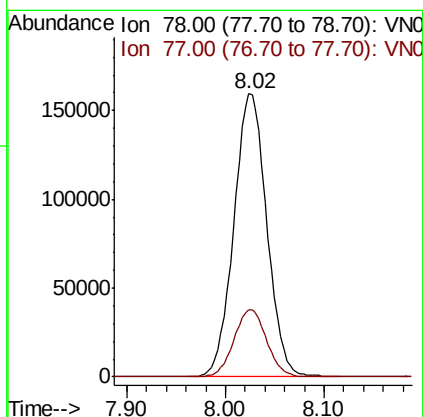
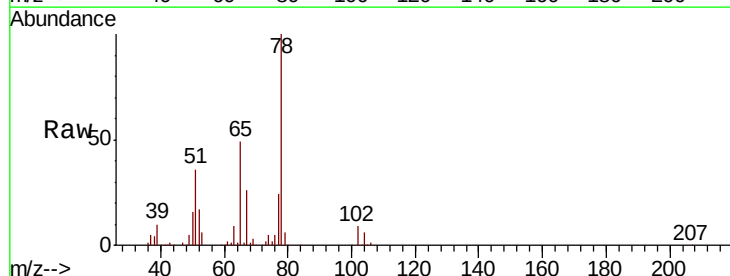
Instrument :
MSVOA_N
ClientSampled :

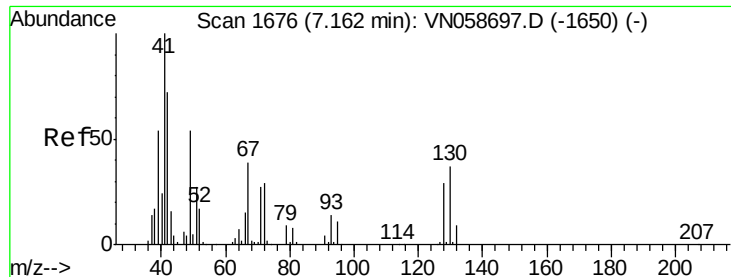
Tot Ion: 83 Resp: 139039
Ion Ratio Lower Upper
83 100
55 79.9 63.4 95.0
98 43.1 35.1 52.7



#40
Benzene
Concen: 21.365 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion: 78 Resp: 369546
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

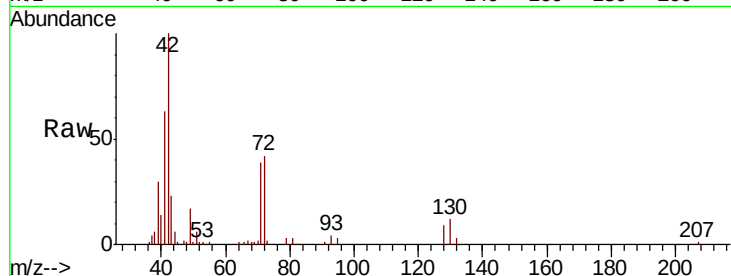




#41
Methacrylonitrile
Concen: 74.566 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



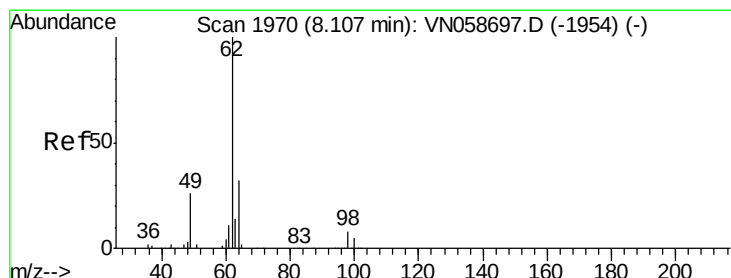
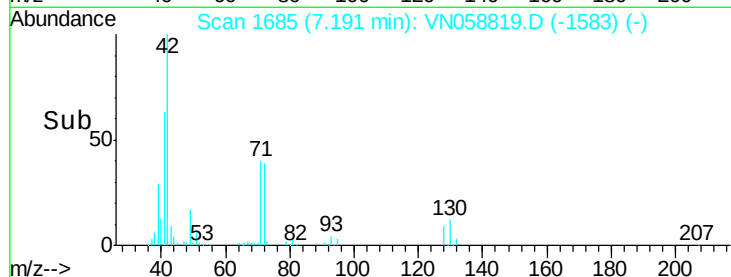
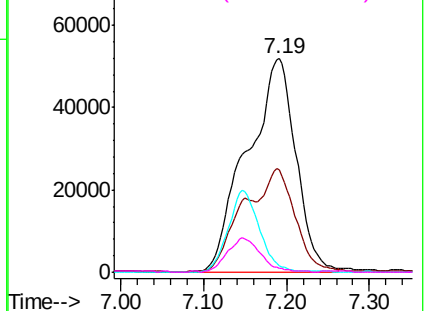
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

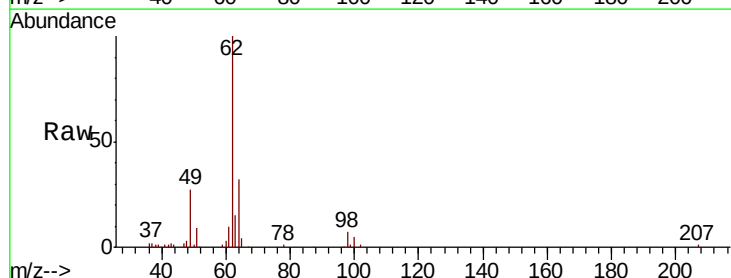
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 21.870 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

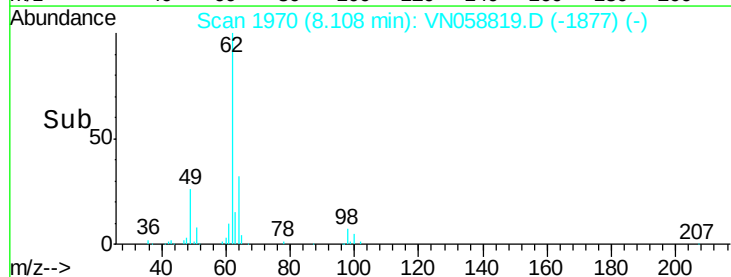
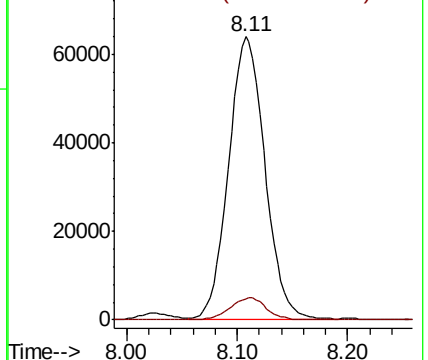
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.7	0.0	15.8

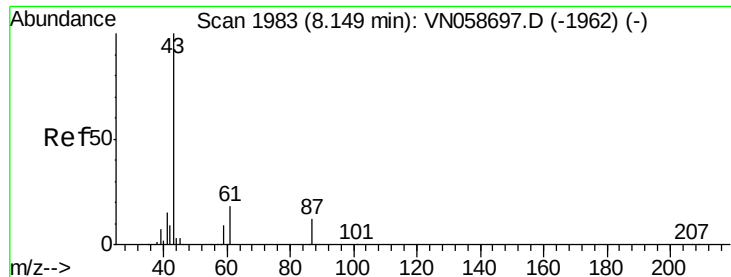


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



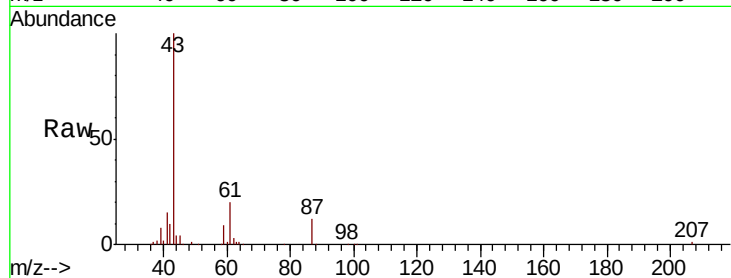


#43

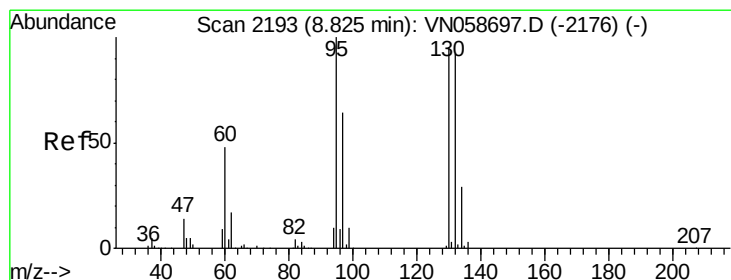
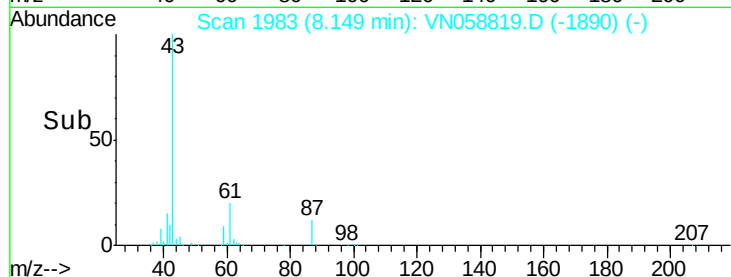
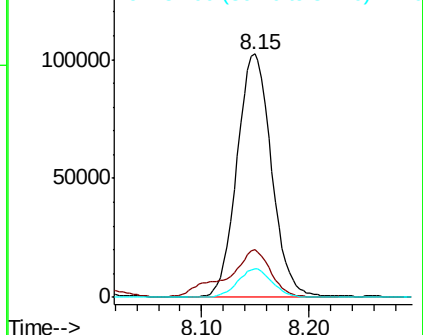
Isopropyl Acetate
 Concen: 21.928 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 227526
 Ion Ratio Lower Upper
 43 100
 61 25.2 20.3 30.5
 87 11.6 9.8 14.6



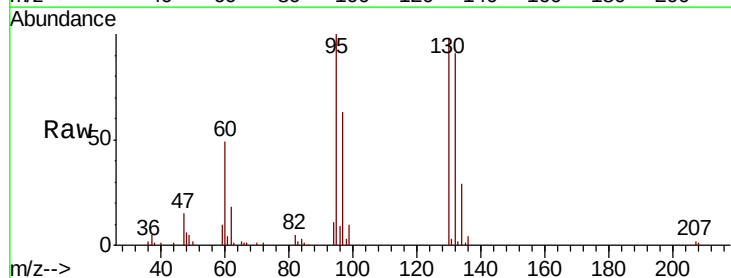
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



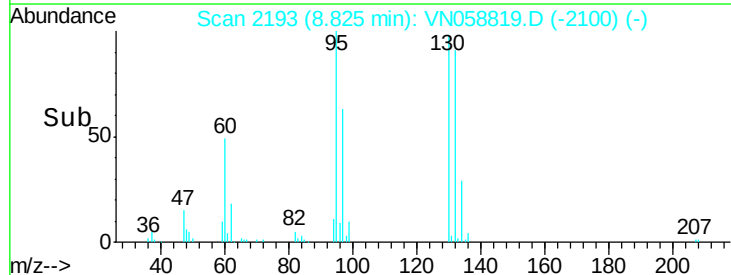
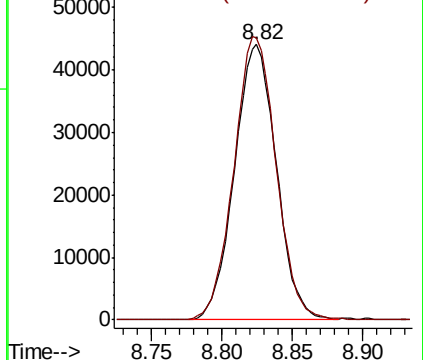
#44

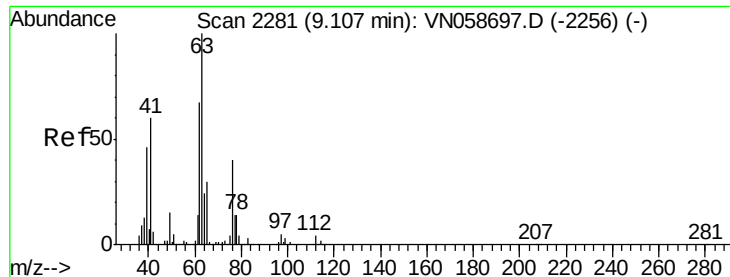
Trichloroethene
 Concen: 21.349 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion:130 Resp: 91700
 Ion Ratio Lower Upper
 130 100
 95 102.4 0.0 211.2



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

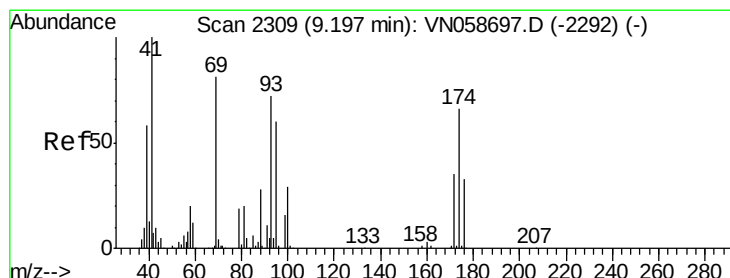
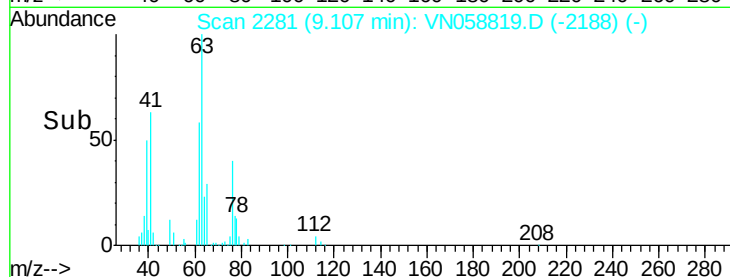
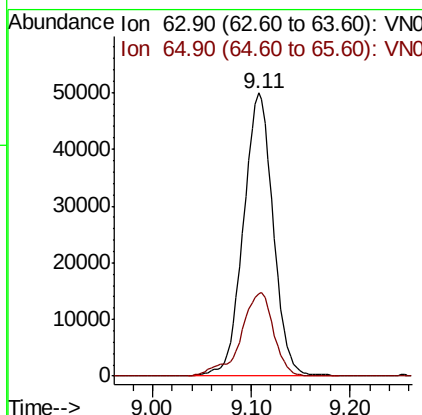
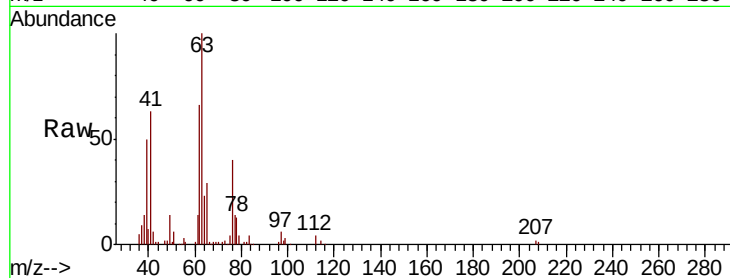




#45
 1,2-Dichloropropane
 Concen: 22.424 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

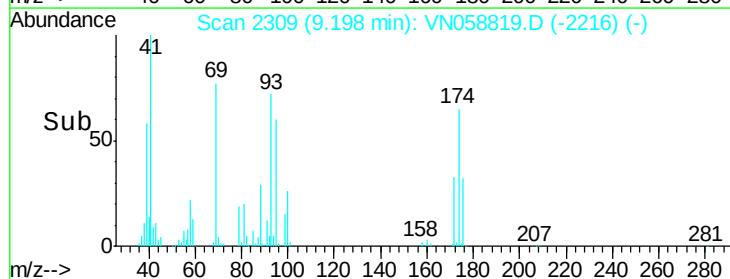
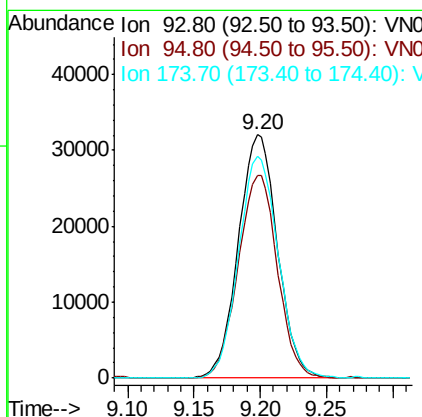
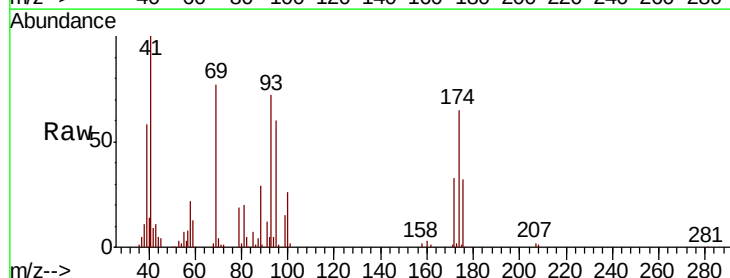
Instrument :
 MSVOA_N
 ClientSampled :

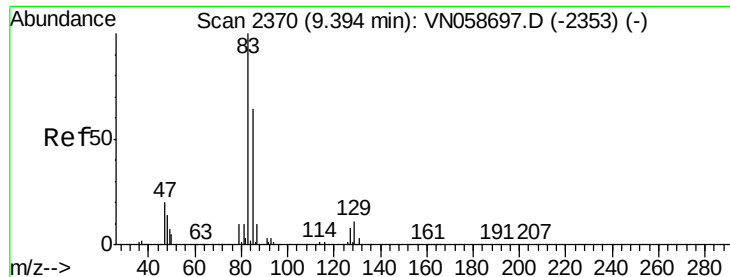
Tot Ion: 63 Resp: 103832
 Ion Ratio Lower Upper
 63 100
 65 29.2 24.1 36.1



#46
 Dibromomethane
 Concen: 22.350 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 93 Resp: 65612
 Ion Ratio Lower Upper
 93 100
 95 83.6 66.6 100.0
 174 92.8 75.2 112.8





#47

Bromodichloromethane

Concen: 22.179 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :

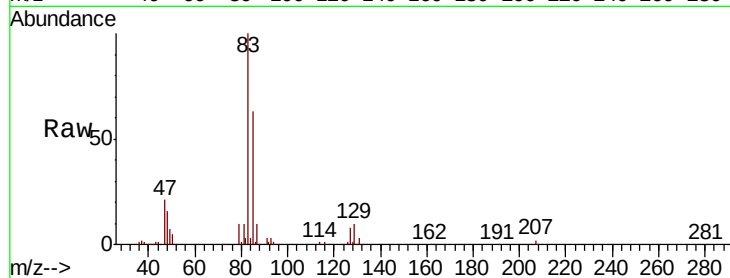
Tot Ion: 83 Resp: 132587

Ion Ratio Lower Upper

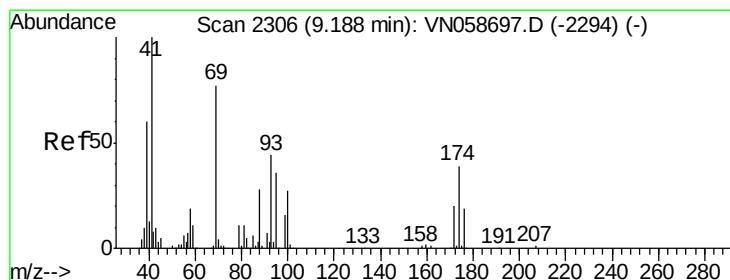
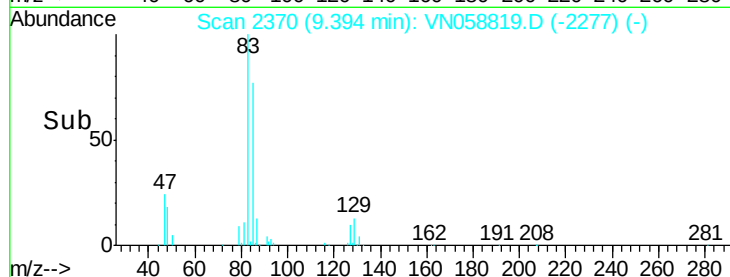
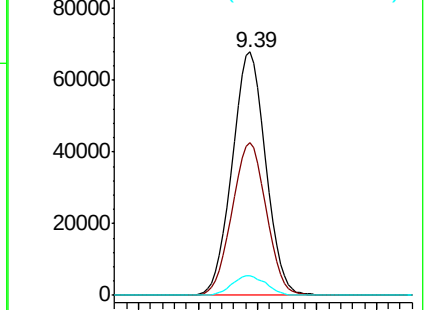
83 100

85 62.8 50.9 76.3

127 7.9 6.3 9.5



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



#48

Methyl methacrylate

Concen: 22.400 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

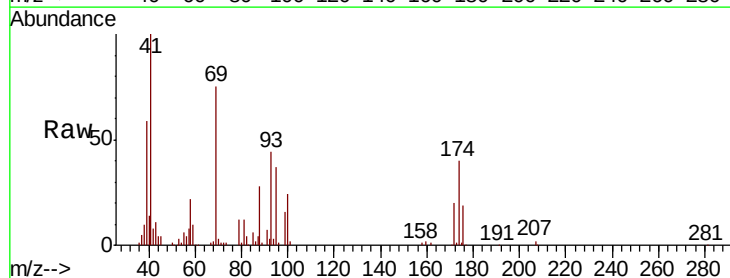
Tgt Ion: 41 Resp: 105355

Ion Ratio Lower Upper

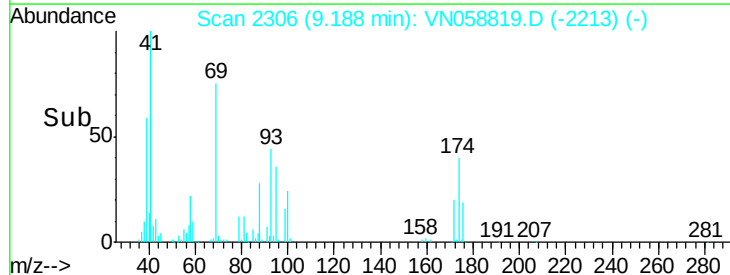
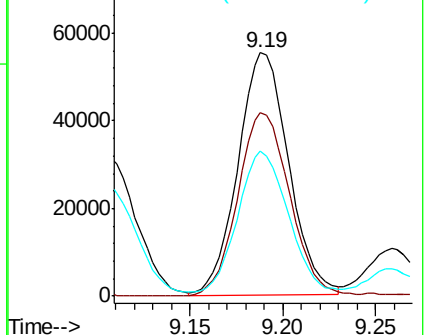
41 100

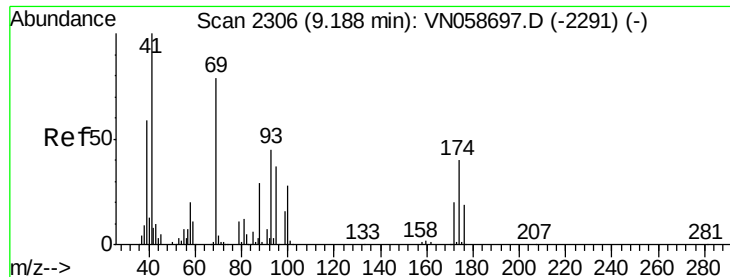
69 77.3 63.4 95.2

39 60.3 48.9 73.3



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

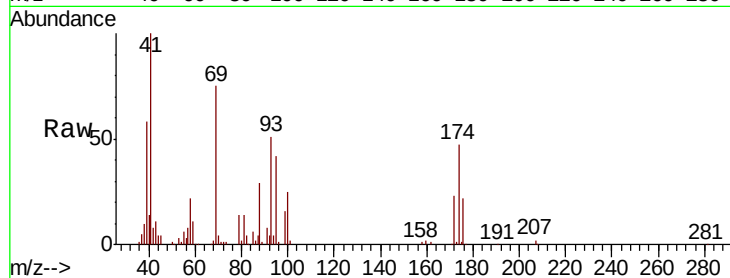




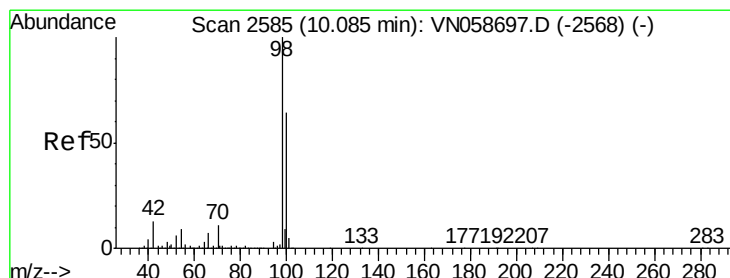
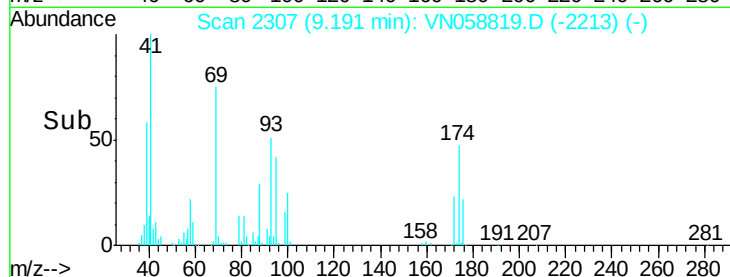
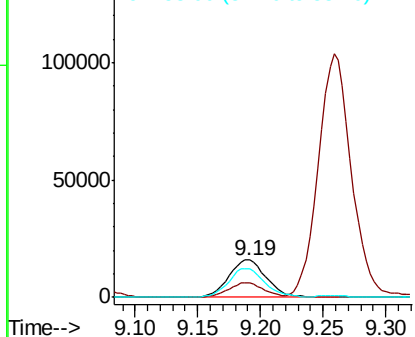
#49
 1,4-Dioxane
 Concen: 453.461 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 32995
 Ion Ratio Lower Upper
 88 100
 43 38.0 28.6 43.0
 58 76.2 57.2 85.8

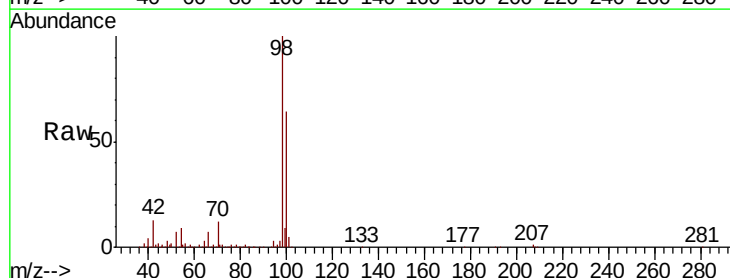


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

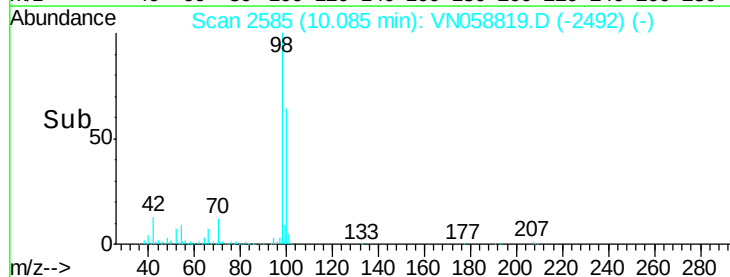
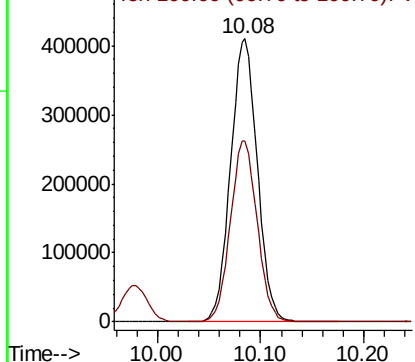


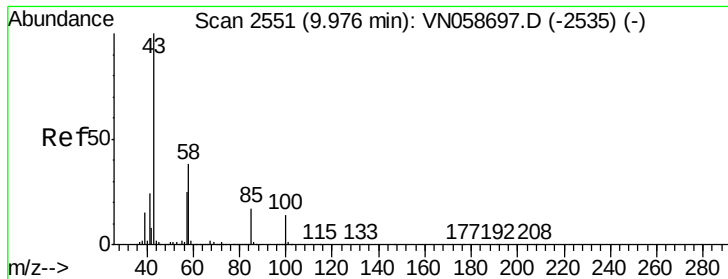
#50
 Toluene-d8
 Concen: 50.454 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 98 Resp: 742316
 Ion Ratio Lower Upper
 98 100
 100 63.8 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: 124.678 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

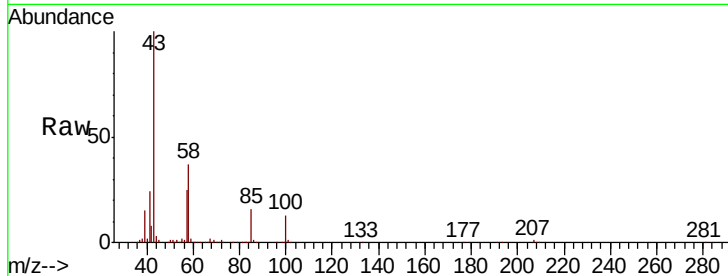
ClientSampleId :

Tot Ion: 43 Resp: 726527

Ion Ratio Lower Upper

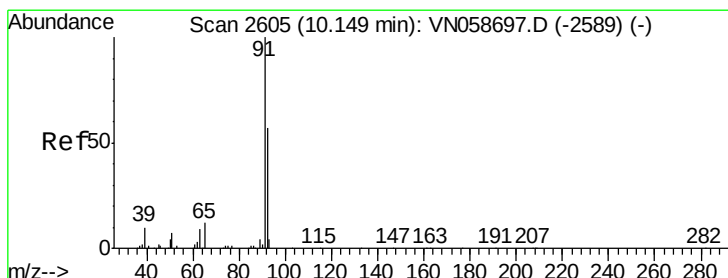
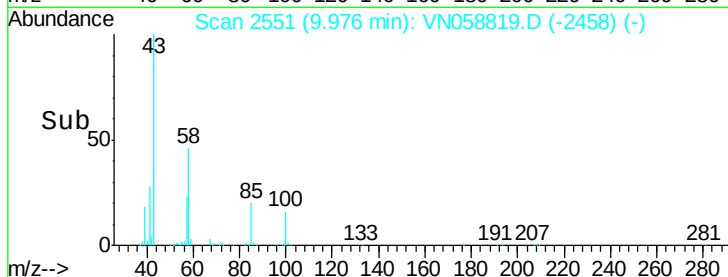
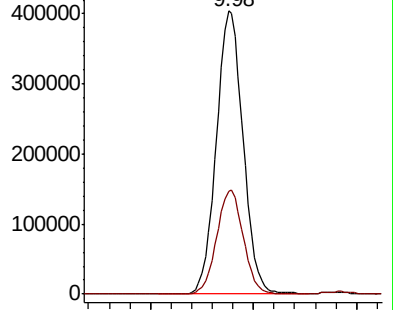
43 100

58 36.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)



#52

Toluene

Concen: 21.151 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058819.D

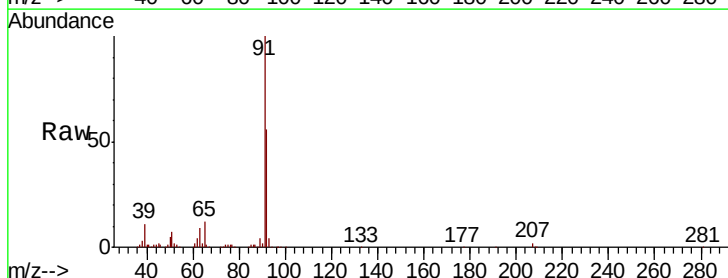
Acq: 17 Oct 2019 12:13

Tgt Ion: 92 Resp: 223761

Ion Ratio Lower Upper

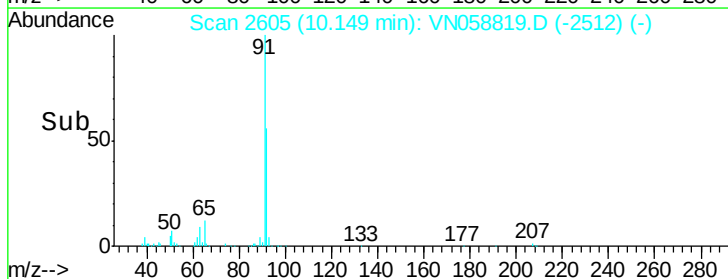
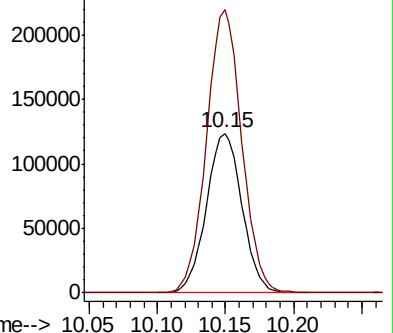
92 100

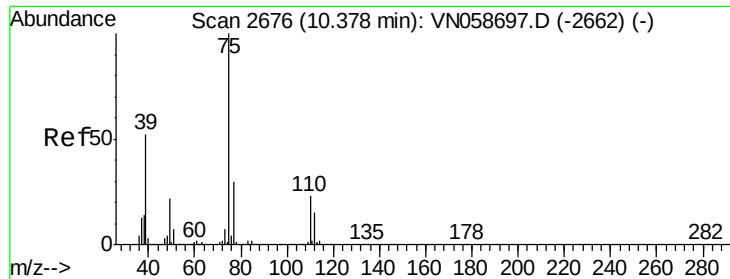
91 175.3 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)





#53

t-1,3-Dichloropropene

Concen: 21.335 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

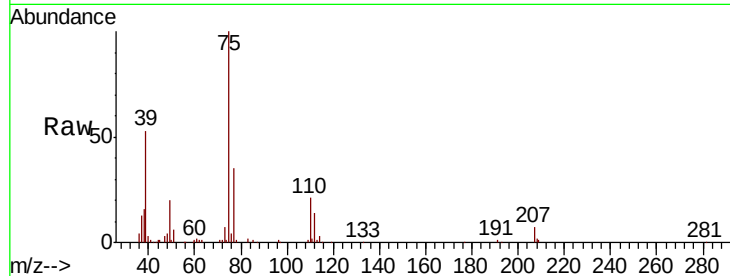
ClientSampled :

Tot Ion: 75 Resp: 146283

Ion Ratio Lower Upper

75 100

77 33.2 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN058819.D (-2583) (-)

Ion 76.90 (76.60 to 77.60): VN058819.D (-2583) (-)

10.38

80000

60000

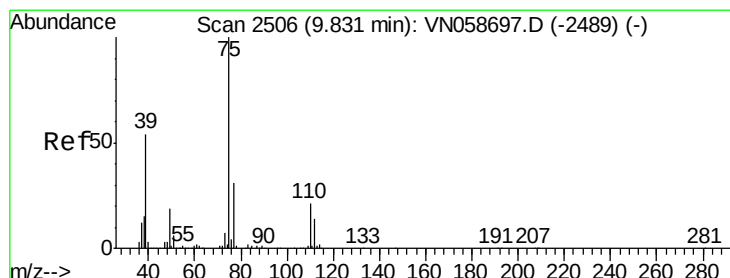
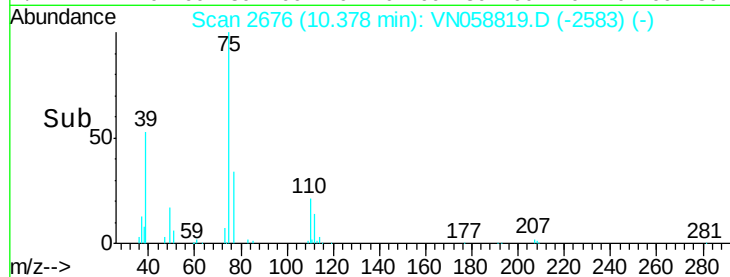
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.664 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

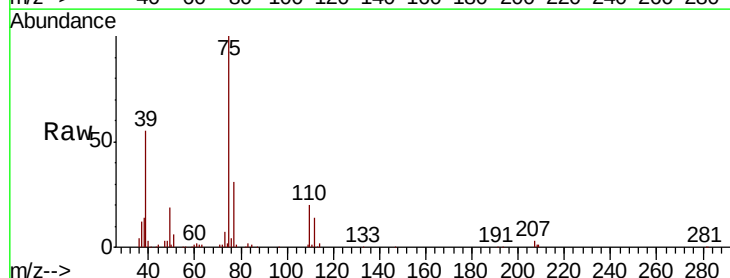
Tgt Ion: 75 Resp: 157707

Ion Ratio Lower Upper

75 100

77 30.6 24.4 36.6

39 55.4 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN058819.D (-2413) (-)

Ion 76.90 (76.60 to 77.60): VN058819.D (-2413) (-)

Ion 39.00 (38.70 to 39.70): VN058819.D (-2413) (-)

9.83

120000

100000

80000

60000

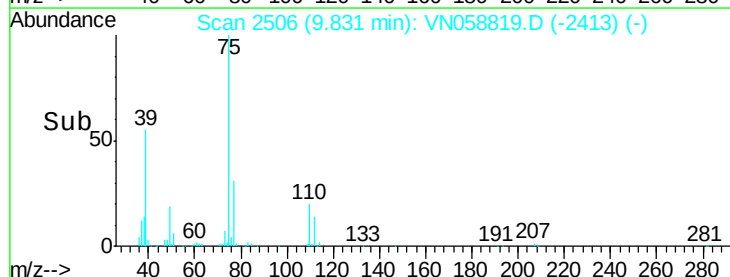
40000

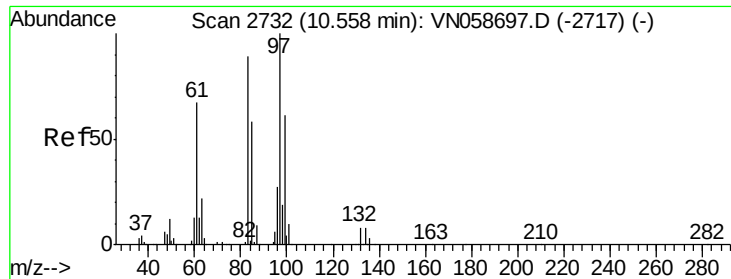
20000

0

9.75 9.80 9.85 9.90

Time-->





#55

1,1,2-Trichloroethane

Concen: 21.010 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

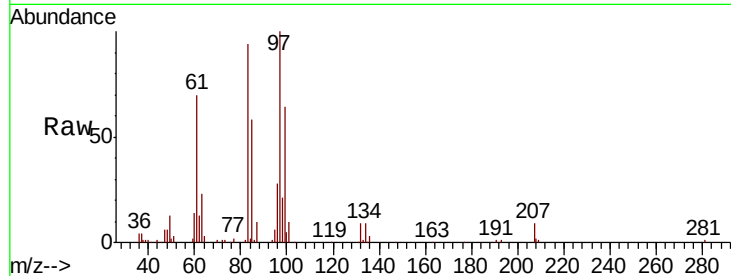
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 90971

Ion	Ratio	Lower	Upper
97	100		
83	94.2	71.2	106.8
85	58.5	46.7	70.1
99	63.7	49.0	73.6

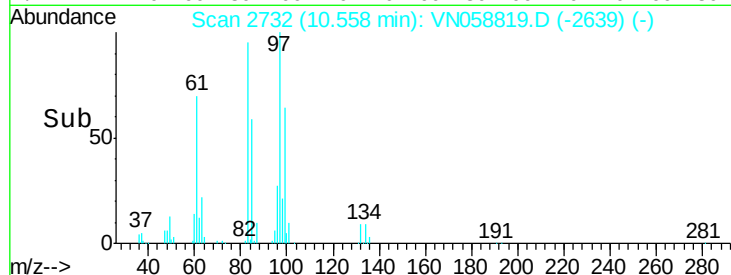


Abundance Ion 96.90 (96.60 to 97.60): VN0

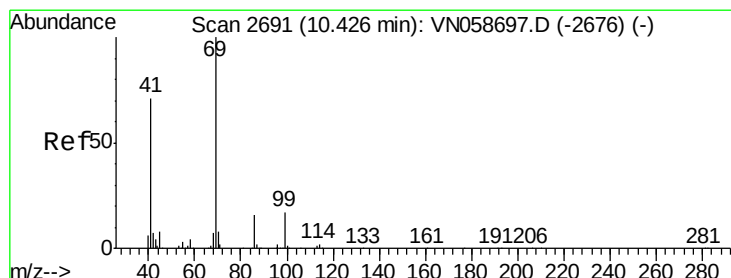
Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#56

Ethyl methacrylate

Concen: 21.645 ug/l

RT: 10.43 min Scan# 2691

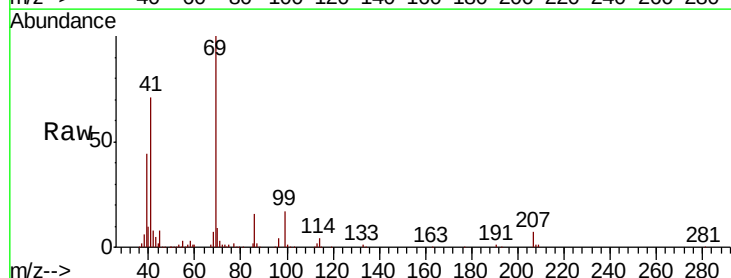
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion: 69 Resp: 136918

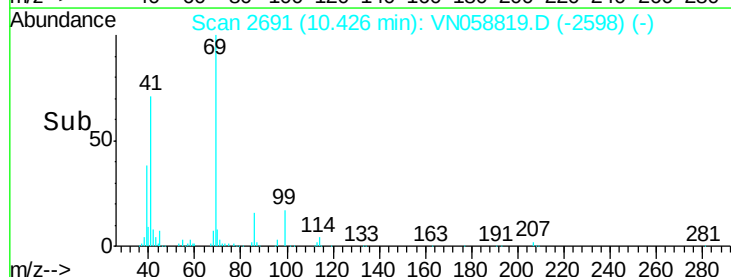
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.8	85.2
39	41.8	32.5	48.7



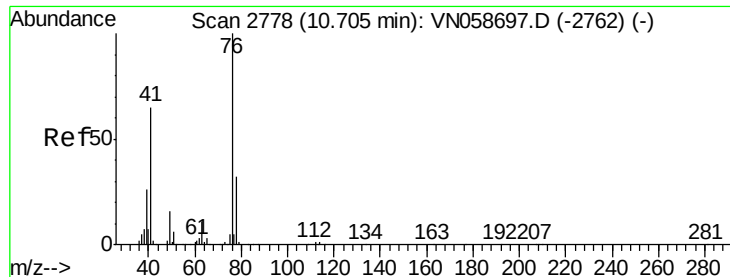
Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->



#57

1,3-Dichloropropane

Concen: 21.899 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

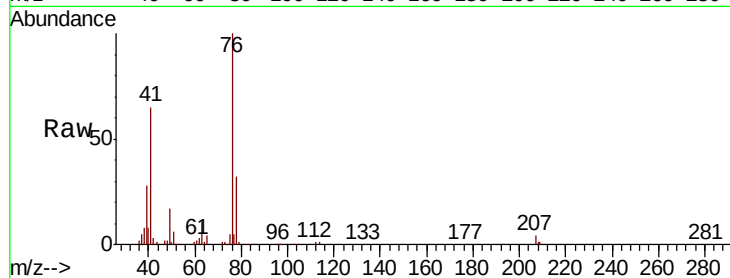
ClientSampled :

Tot Ion: 76 Resp: 161578

Ion Ratio Lower Upper

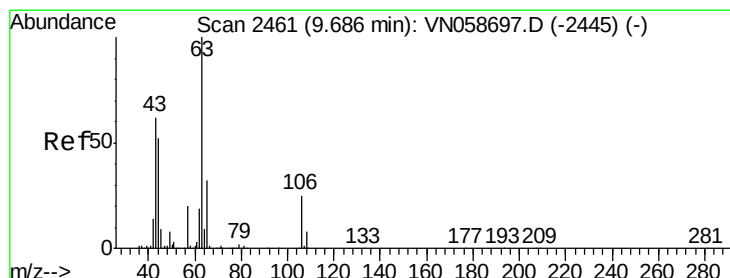
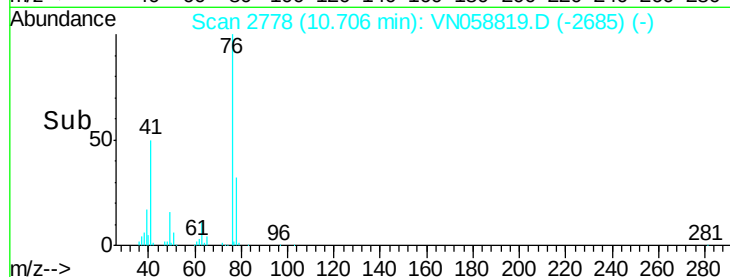
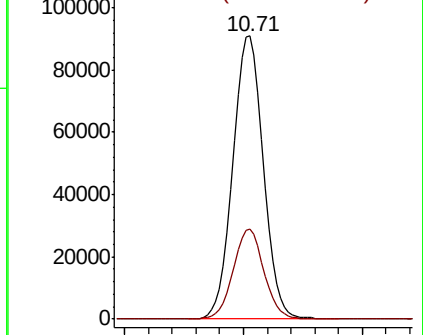
76 100

78 32.3 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: 105.430 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058819.D

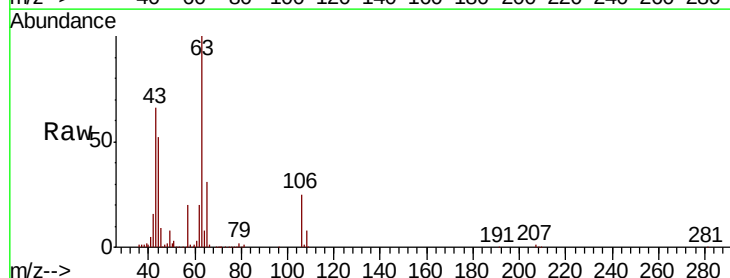
Acq: 17 Oct 2019 12:13

Tgt Ion: 63 Resp: 321399

Ion Ratio Lower Upper

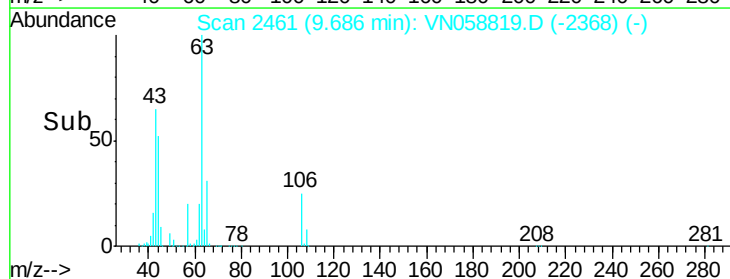
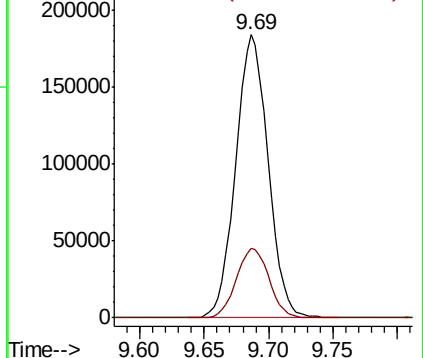
63 100

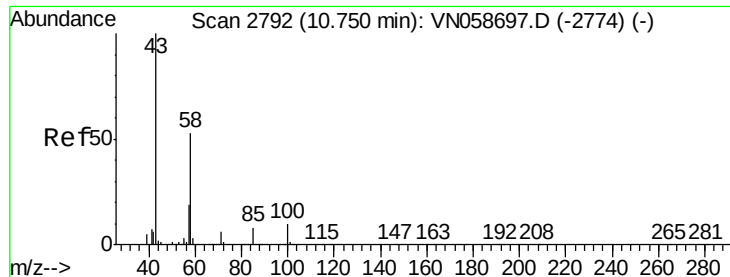
106 24.9 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

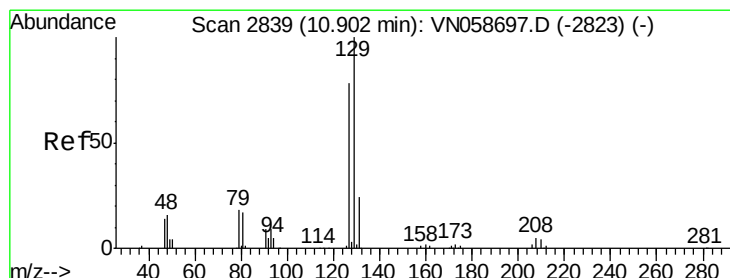
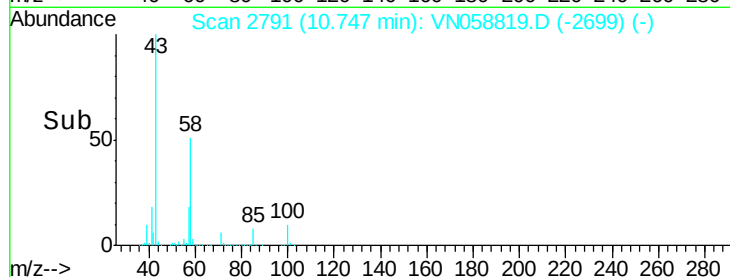
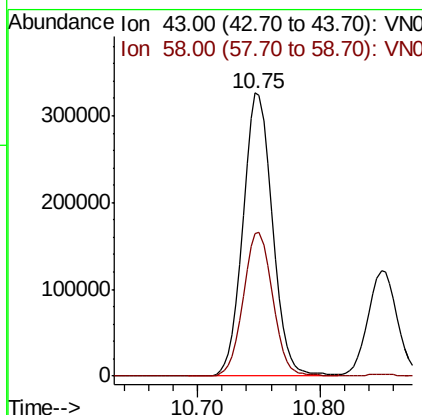
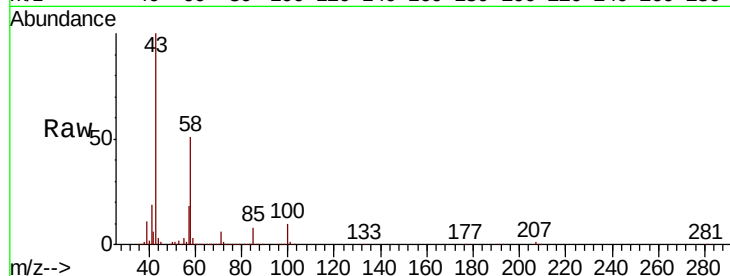




#59
2-Hexanone
Concen: 120.332 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

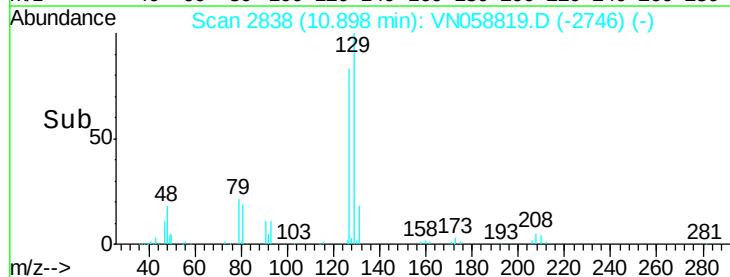
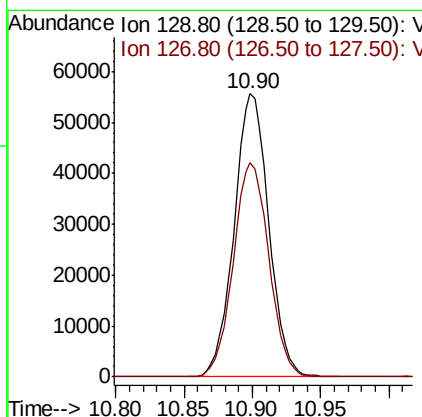
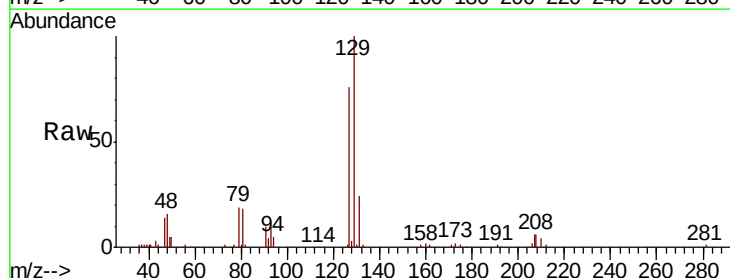
Instrument :
MSVOA_N
ClientSampleId :

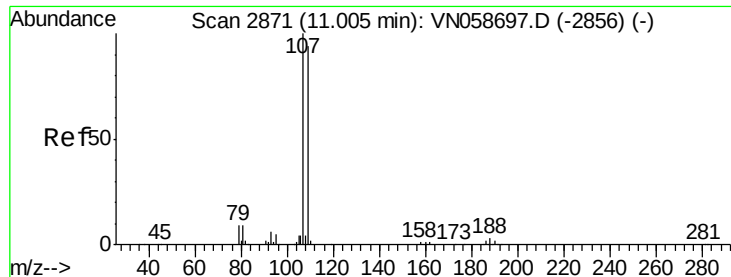
Tot Ion: 43 Resp: 541892
Ion Ratio Lower Upper
43 100
58 50.9 26.1 78.3



#60
Dibromochloromethane
Concen: 21.964 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion: 129 Resp: 98106
Ion Ratio Lower Upper
129 100
127 77.5 38.5 115.3

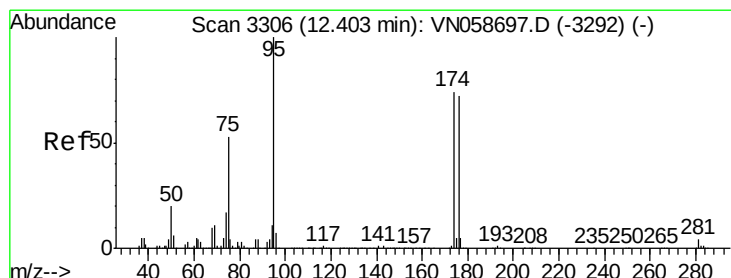
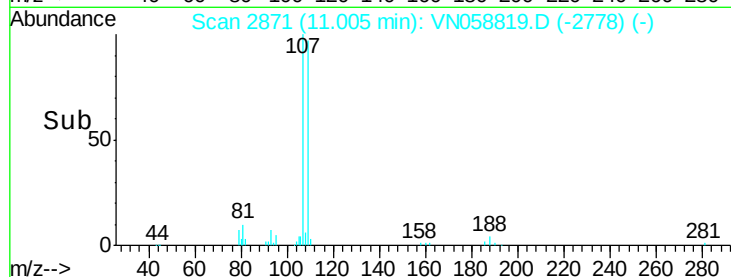
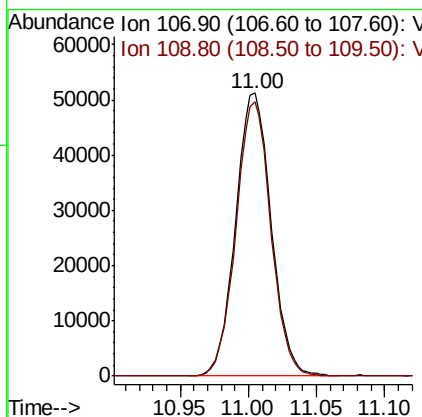
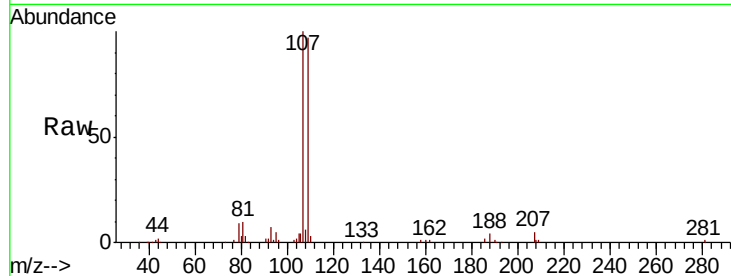




#61
 1,2-Dibromoethane
 Concen: 21.356 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

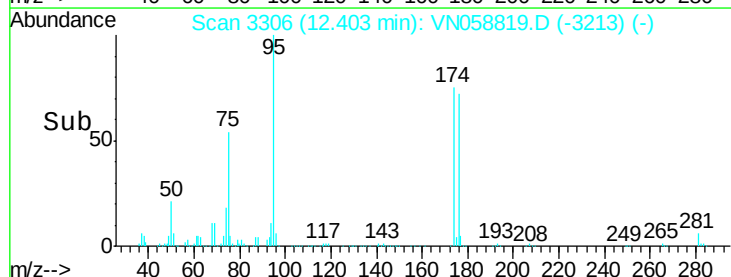
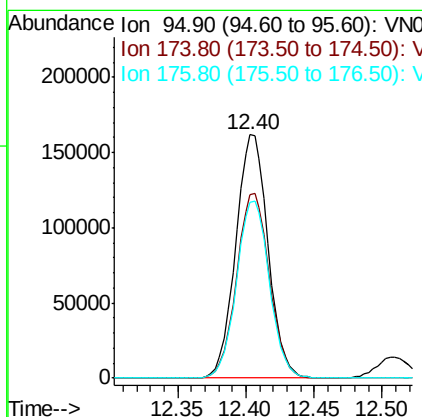
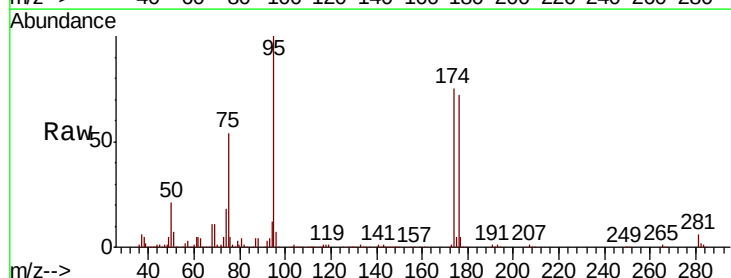
Instrument :
 MSVOA_N
 ClientSampleId :

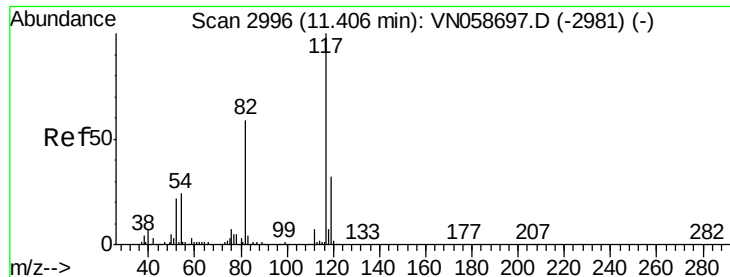
Tot Ion: 107 Resp: 92641
 Ion Ratio Lower Upper
 107 100
 109 94.9 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 47.767 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion: 95 Resp: 266026
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 150.4
 176 73.9 0.0 146.8

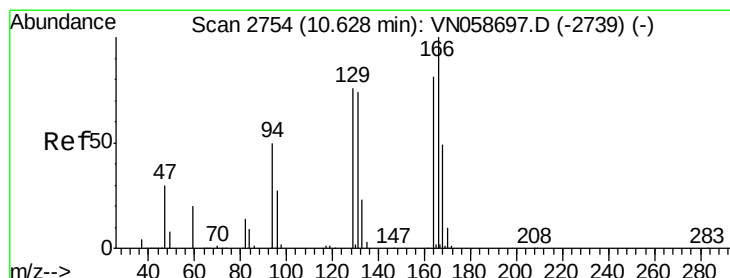
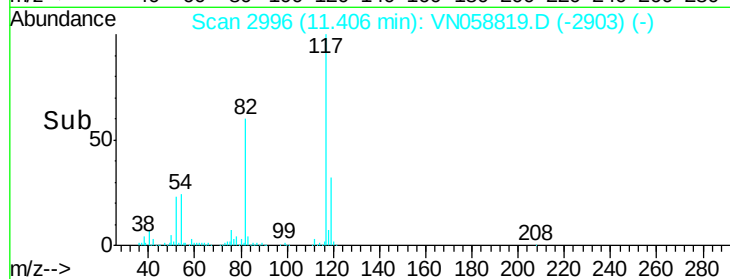
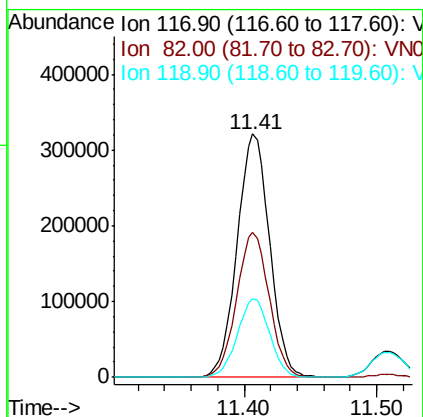
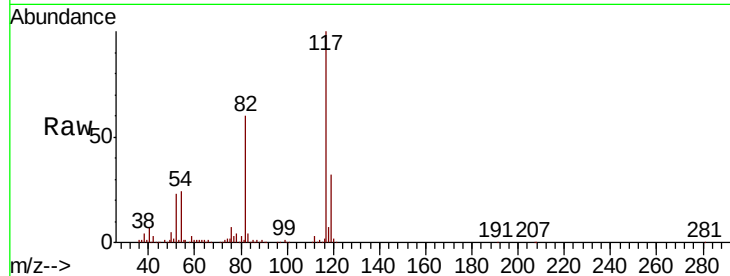




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

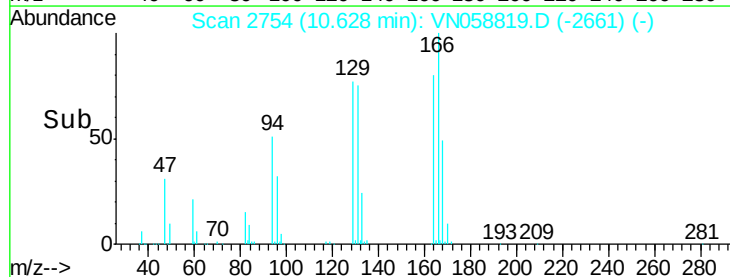
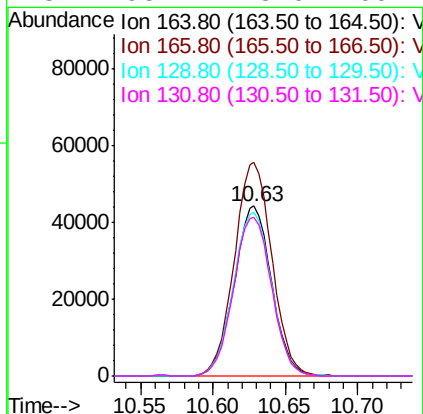
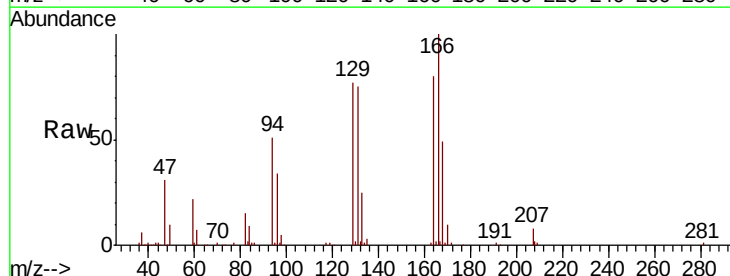
Instrument :
MSVOA_N
ClientSampleId :

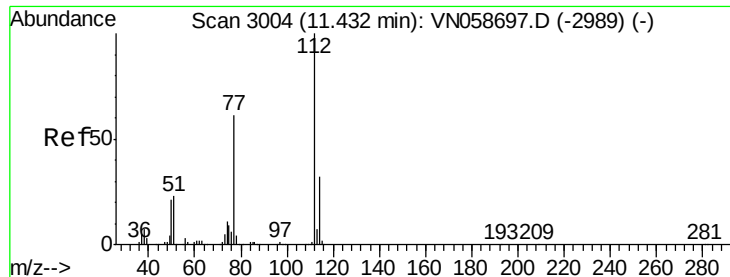
Tot Ion:117 Resp: 547286
Ion Ratio Lower Upper
117 100
82 59.5 47.0 70.4
119 32.5 25.4 38.2



#64
Tetrachloroethene
Concen: 20.728 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion:164 Resp: 79389
Ion Ratio Lower Upper
164 100
166 125.7 99.3 148.9
129 96.4 75.2 112.8
131 93.7 73.0 109.4

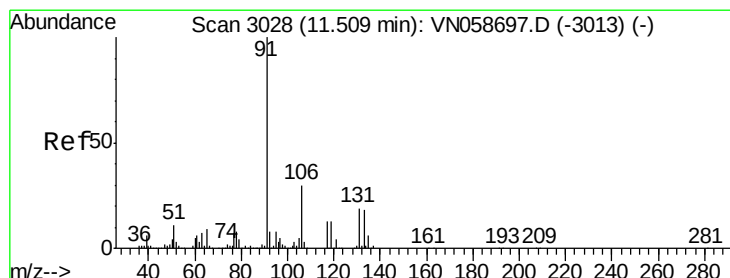
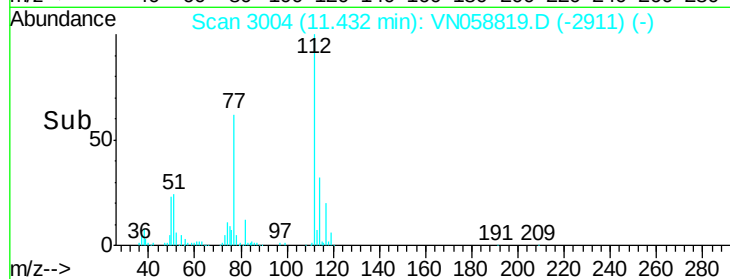
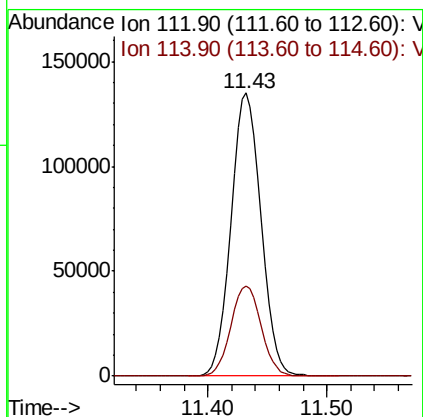
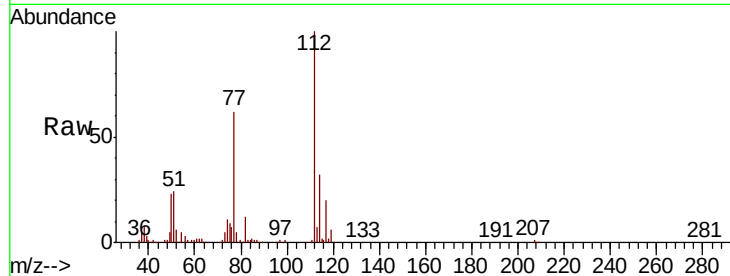




#65
Chlorobenzene
Concen: 21.248 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

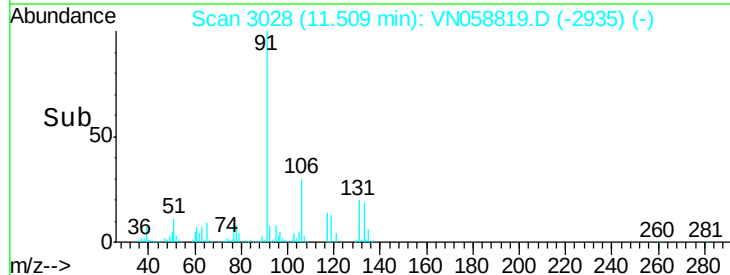
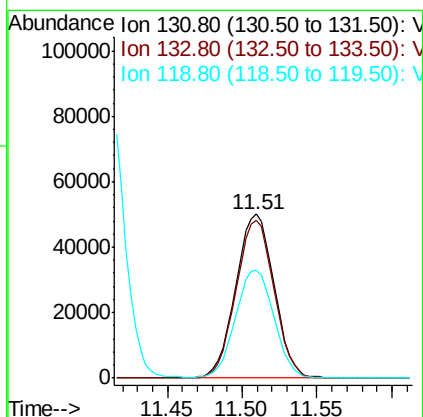
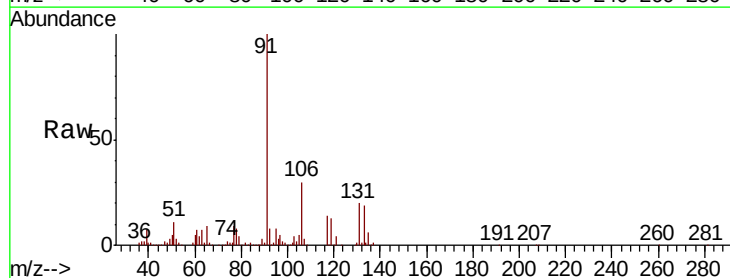
Instrument :
MSVOA_N
ClientSampled :

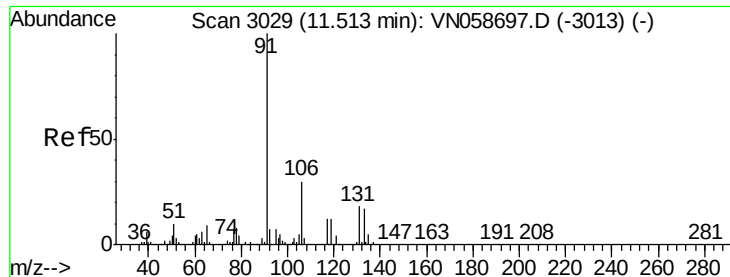
Tot Ion:112 Resp: 236157
Ion Ratio Lower Upper
112 100
114 32.0 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.819 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion:131 Resp: 89673
Ion Ratio Lower Upper
131 100
133 95.4 47.6 142.9
119 66.0 33.0 98.9

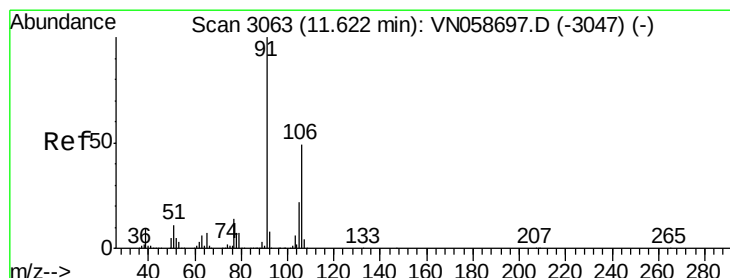
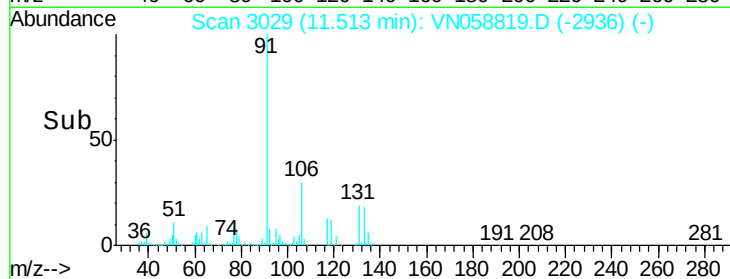
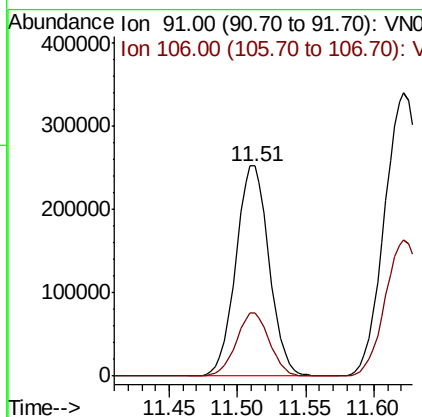
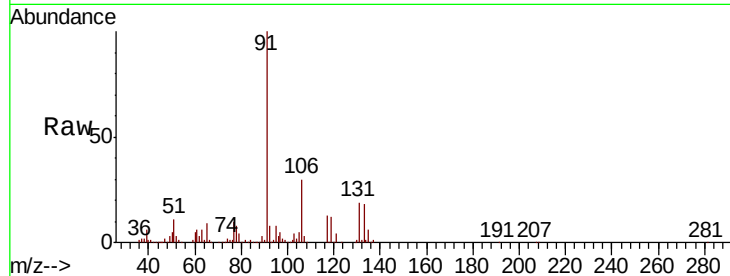




#67
Ethyl Benzene
Concen: 21.548 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

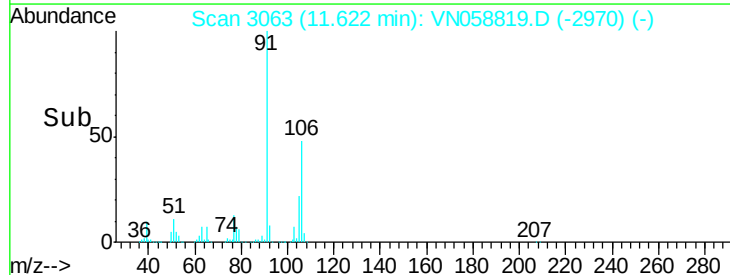
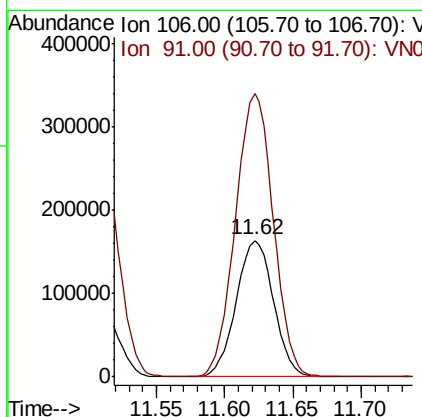
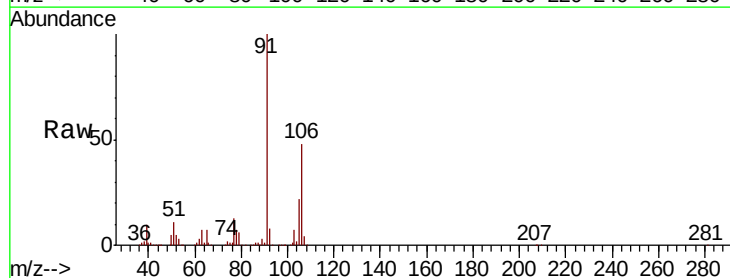
Instrument :
MSVOA_N
ClientSampleId :

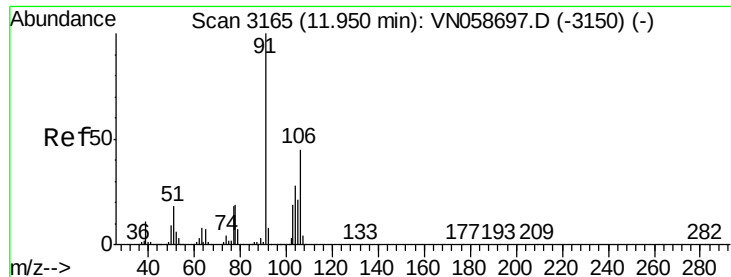
Tot Ion: 91 Resp: 426899
Ion Ratio Lower Upper
91 100
106 30.2 24.1 36.1



#68
m/p-Xylenes
Concen: 41.796 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion: 106 Resp: 310750
Ion Ratio Lower Upper
106 100
91 210.5 165.7 248.5





#69

o-Xylene

Concen: 20.719 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

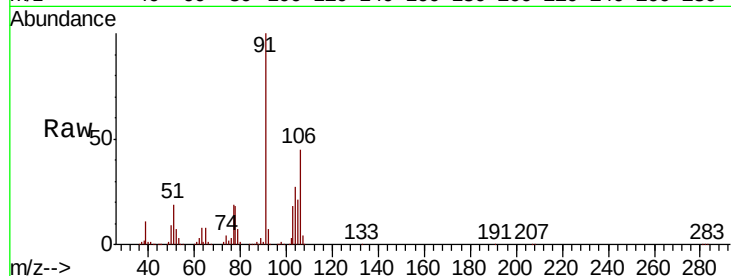
ClientSampled :

Tot Ion:106 Resp: 149041

Ion Ratio Lower Upper

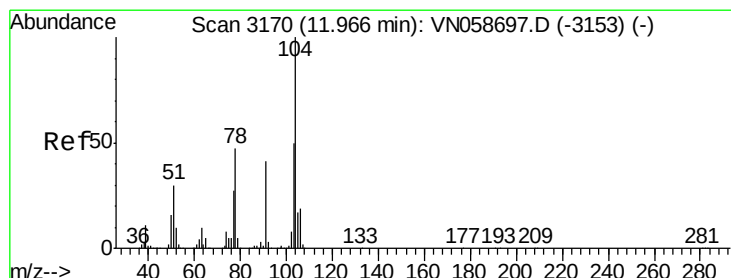
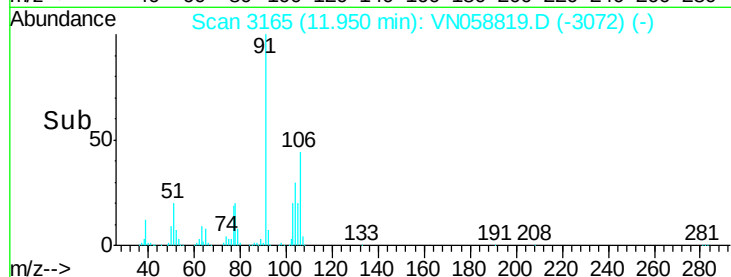
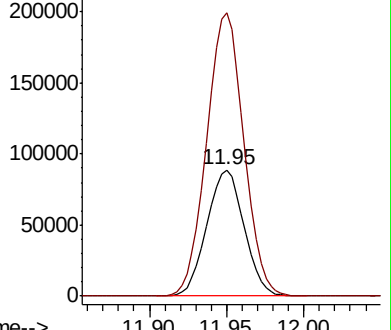
106 100

91 223.8 110.9 332.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 20.287 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

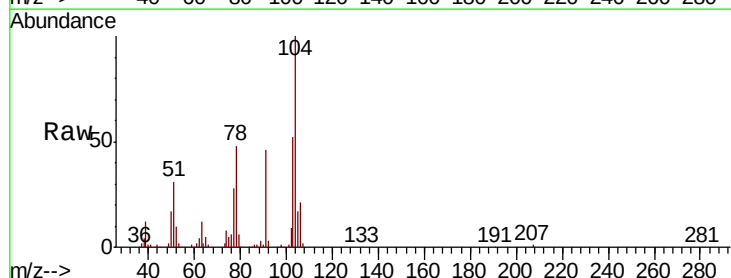
Tgt Ion:104 Resp: 239182

Ion Ratio Lower Upper

104 100

78 53.3 42.2 63.2

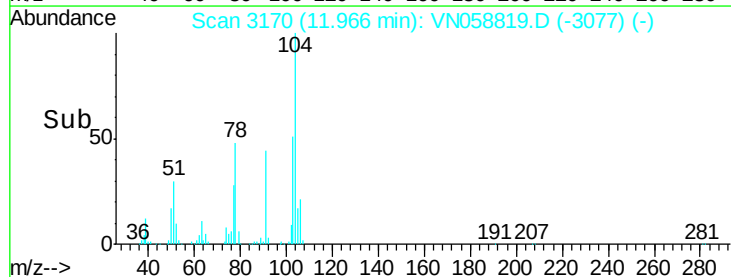
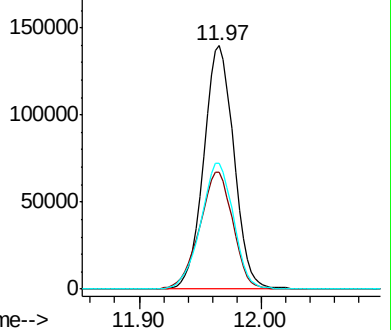
103 56.2 43.7 65.5

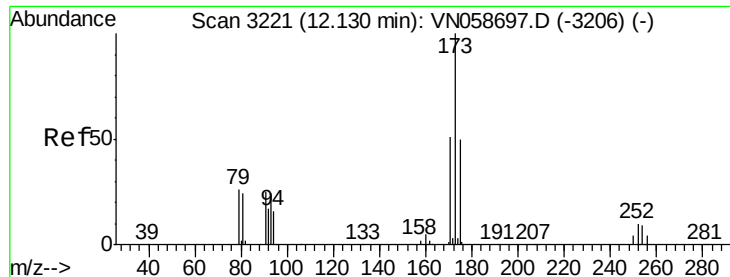


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 22.455 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

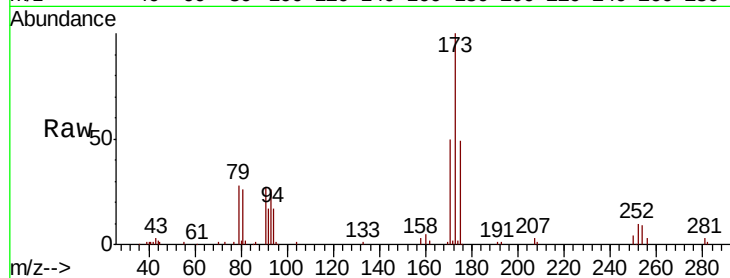
Tot Ion:173 Resp: 67644

Ion Ratio Lower Upper

173 100

175 48.9 24.6 73.8

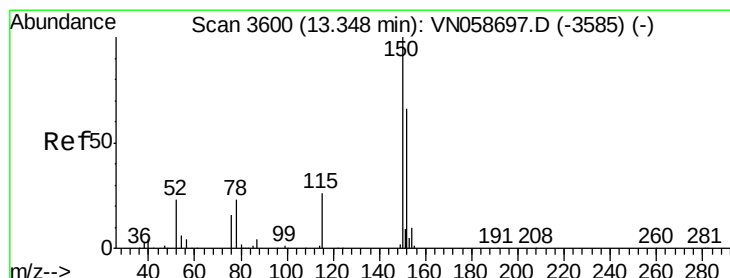
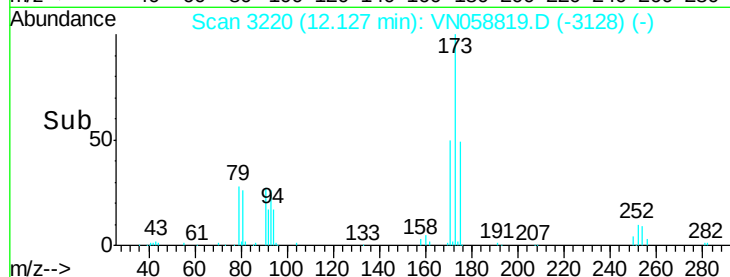
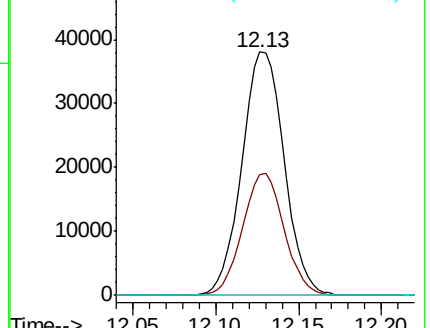
254 0.0 0.1 0.1#



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: VN058819.D

Acq: 17 Oct 2019 12:13

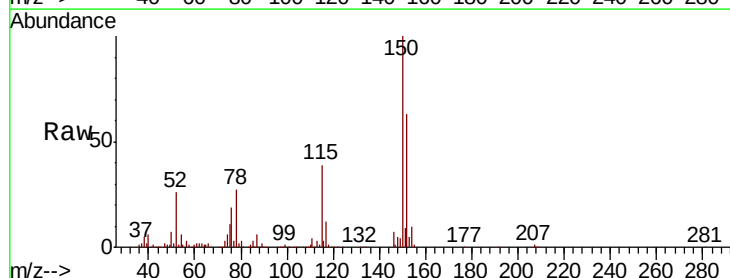
Tgt Ion:152 Resp: 254252

Ion Ratio Lower Upper

152 100

115 61.8 30.4 91.2

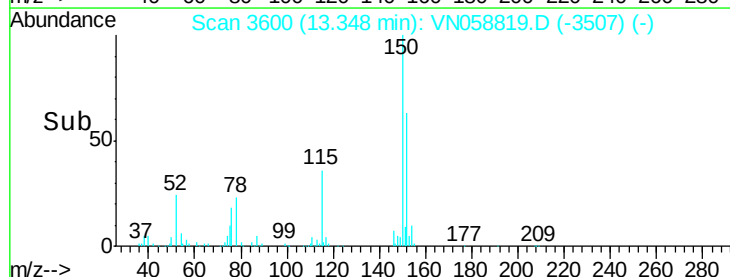
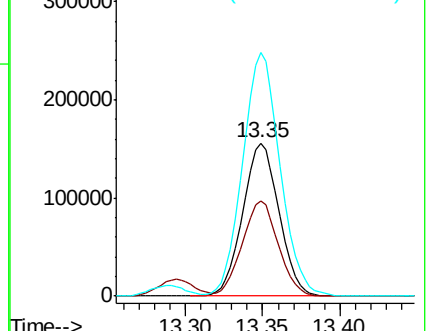
150 164.5 0.0 345.4

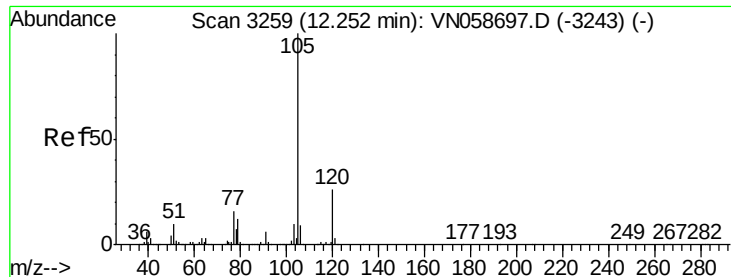


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.308 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

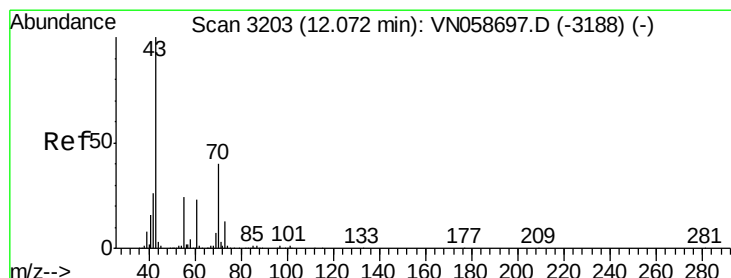
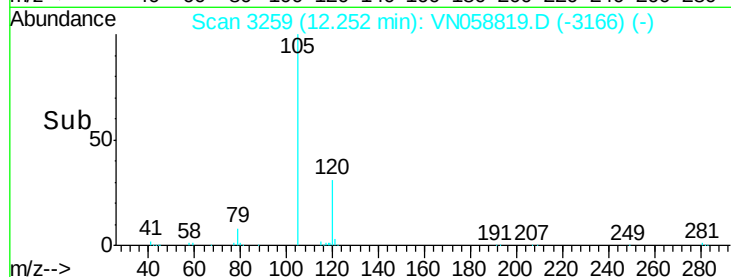
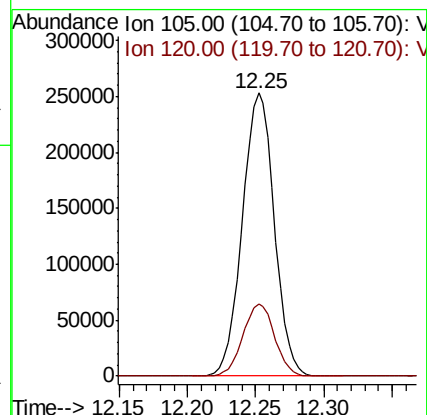
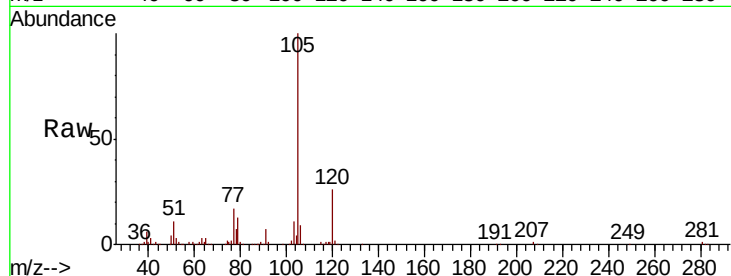
ClientSampleId :

Tot Ion:105 Resp: 410760

Ion Ratio Lower Upper

105 100

120 25.5 13.1 39.1



#74

N-ethyl acetate

Concen: 22.485 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion: 43 Resp: 185958

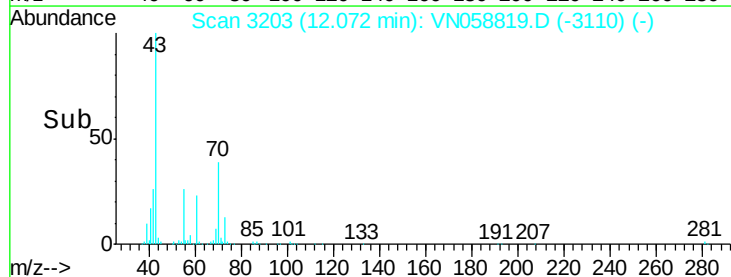
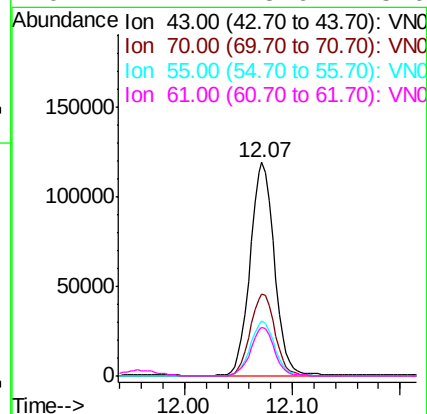
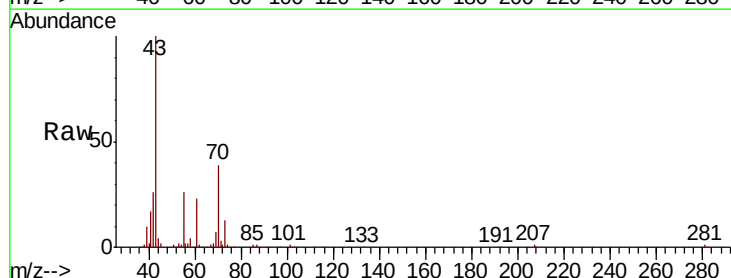
Ion Ratio Lower Upper

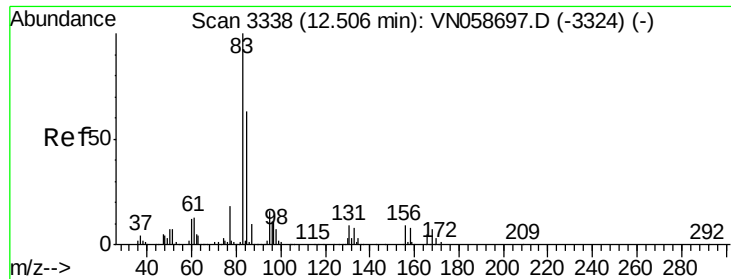
43 100

70 39.3 32.2 48.4

55 25.7 19.6 29.4

61 22.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.304 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

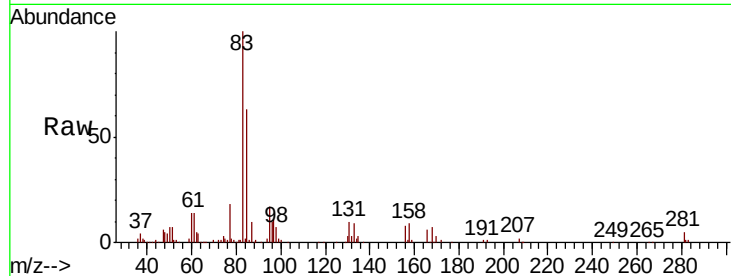
Tot Ion: 83 Resp: 141360

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.4

85 65.2 31.9 95.5



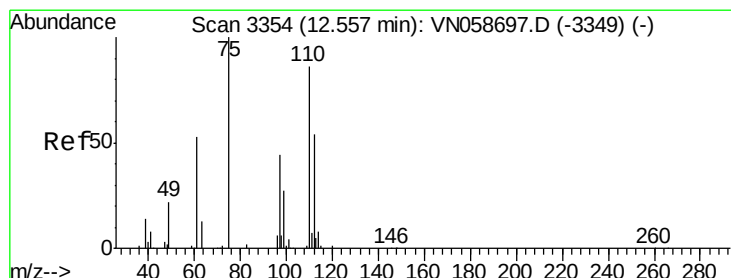
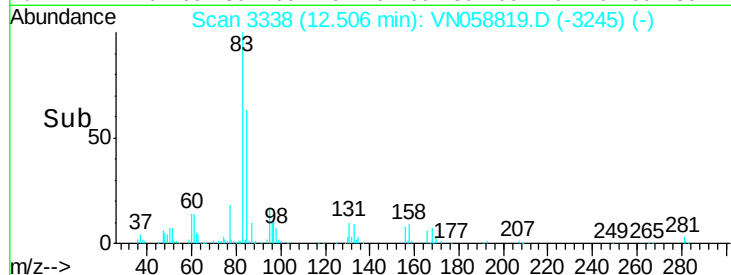
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 33.717 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058819.D

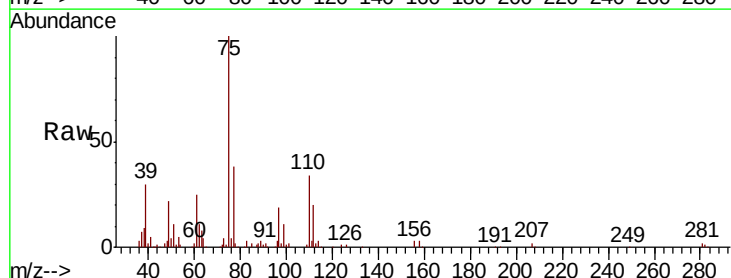
Acq: 17 Oct 2019 12:13

Tgt Ion: 75 Resp: 188063

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

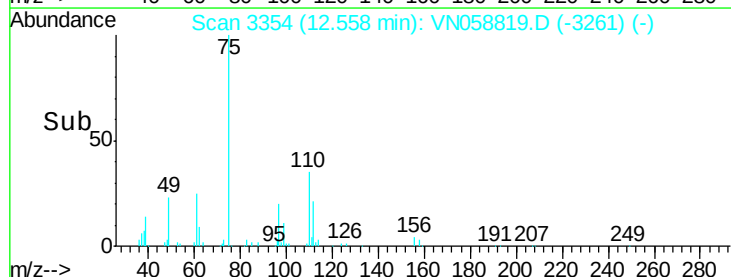


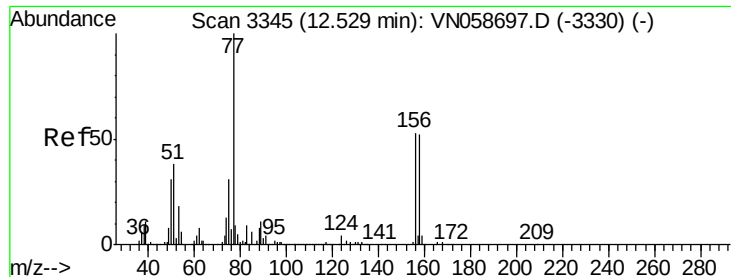
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.56

Time-->





#77

Bromobenzene

Concen: 21.891 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

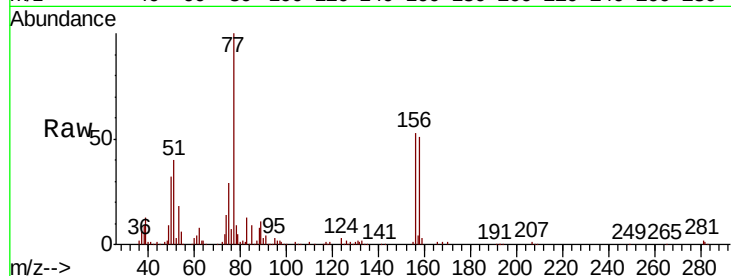
Tot Ion:156 Resp: 98046

Ion Ratio Lower Upper

156 100

77 234.3 115.8 347.3

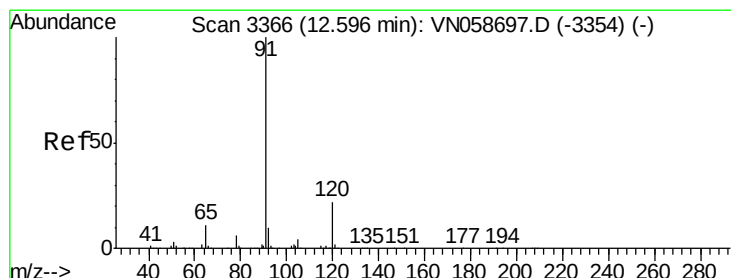
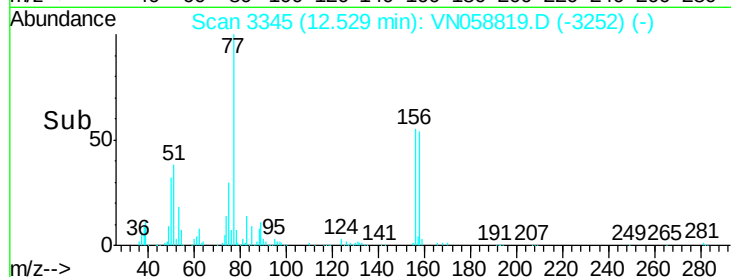
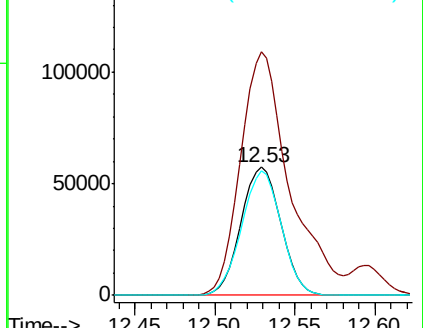
158 96.2 48.9 146.6



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: 22.370 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058819.D

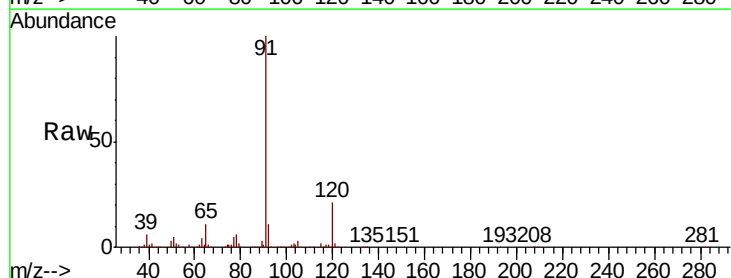
Acq: 17 Oct 2019 12:13

Tgt Ion: 91 Resp: 479978

Ion Ratio Lower Upper

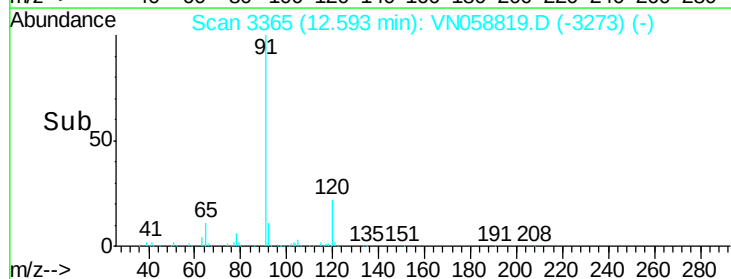
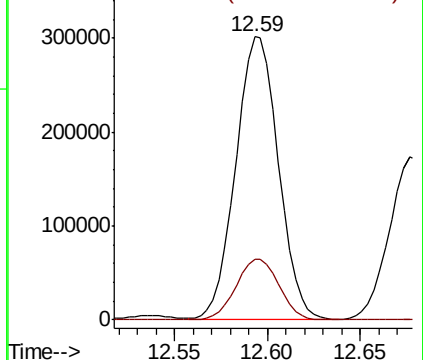
91 100

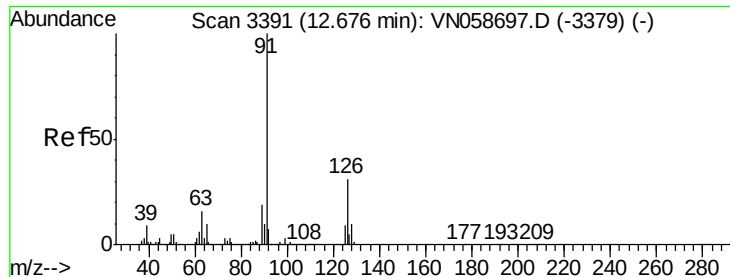
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.570 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

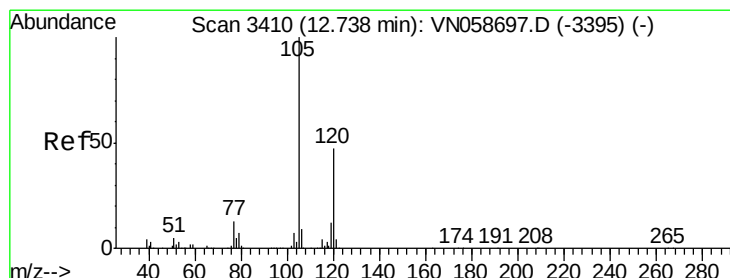
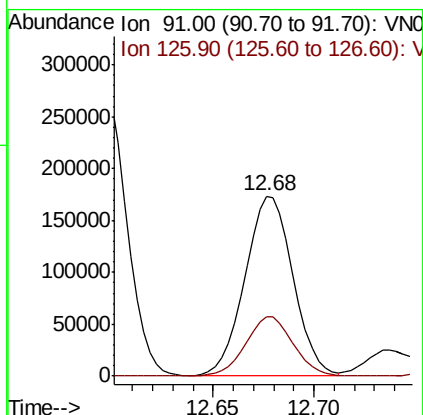
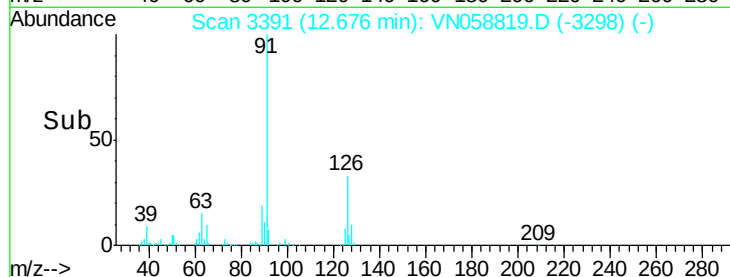
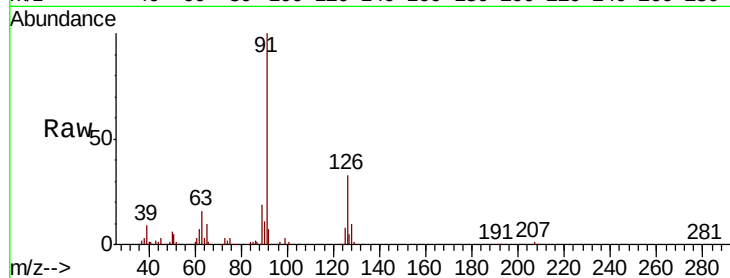
ClientSampled :

Tot Ion: 91 Resp: 287261

Ion Ratio Lower Upper

91 100

126 32.8 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 22.002 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058819.D

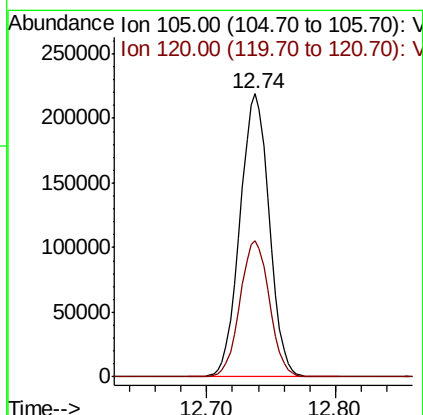
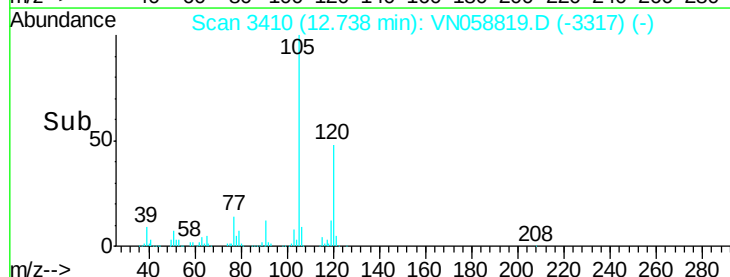
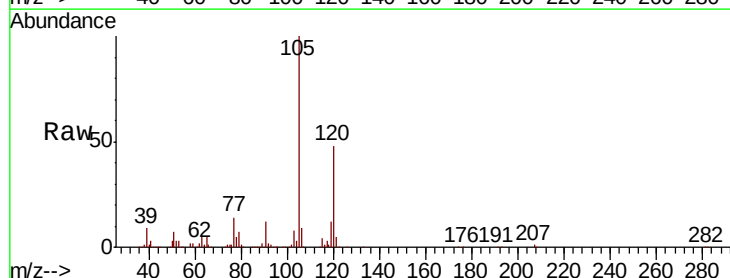
Acq: 17 Oct 2019 12:13

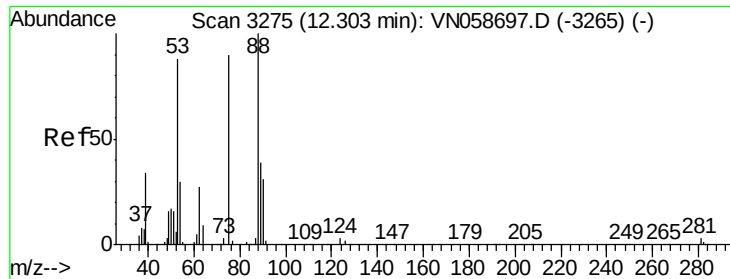
Tgt Ion: 105 Resp: 345876

Ion Ratio Lower Upper

105 100

120 48.4 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 22.191 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

ClientSampled :

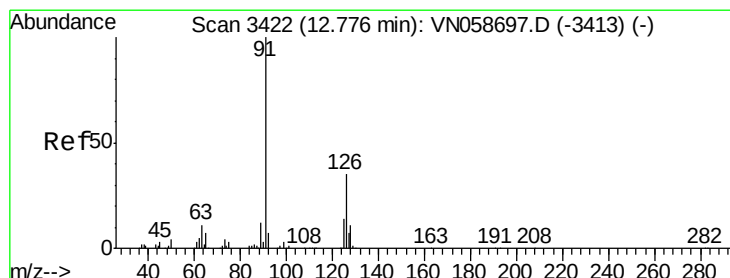
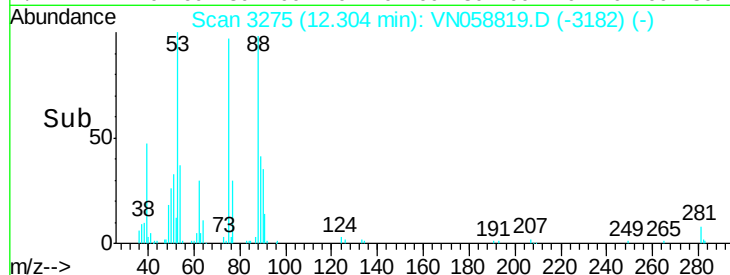
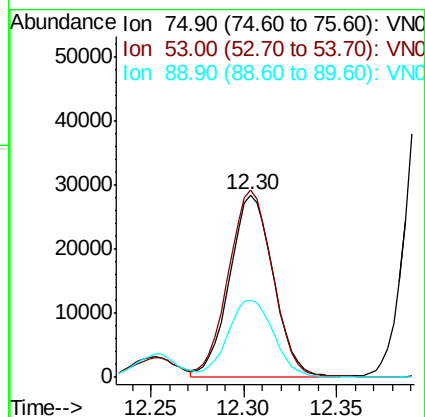
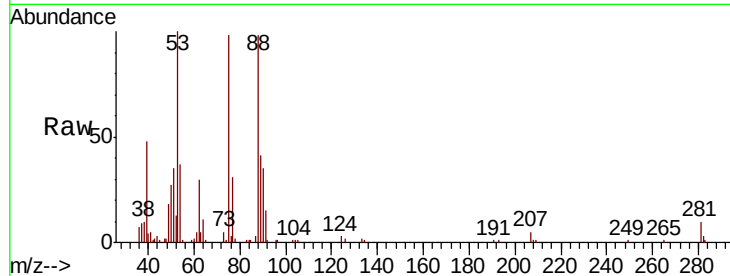
Tot Ion: 75 Resp: 46208

Ion Ratio Lower Upper

75 100

53 105.3 78.4 117.6

89 44.8 34.9 52.3



#82

4-Chlorotoluene

Concen: 21.323 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058819.D

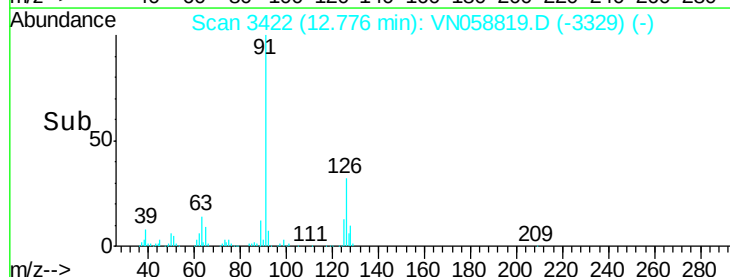
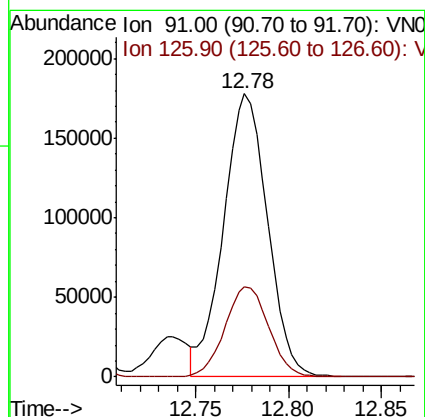
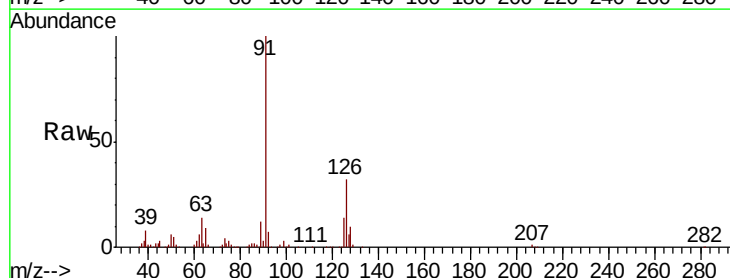
Acq: 17 Oct 2019 12:13

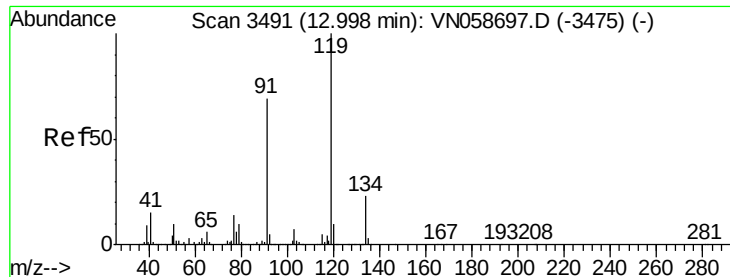
Tgt Ion: 91 Resp: 291397

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6

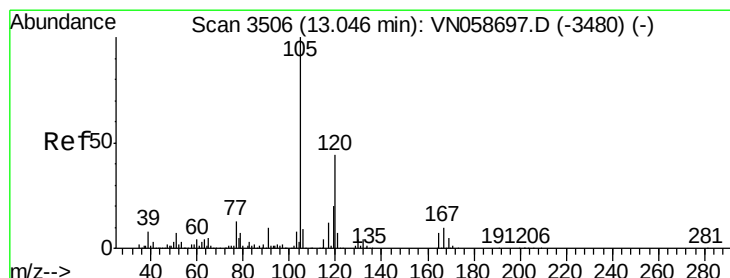
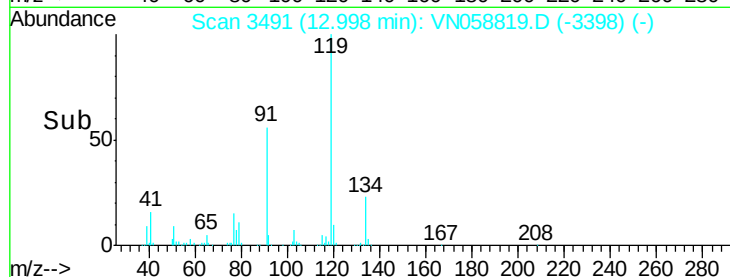
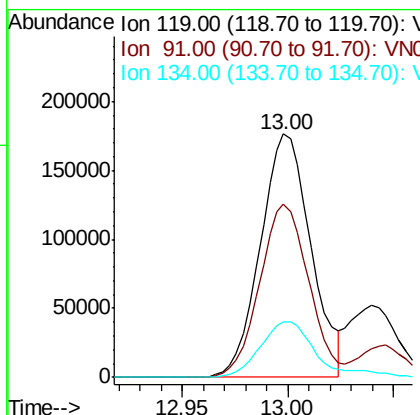
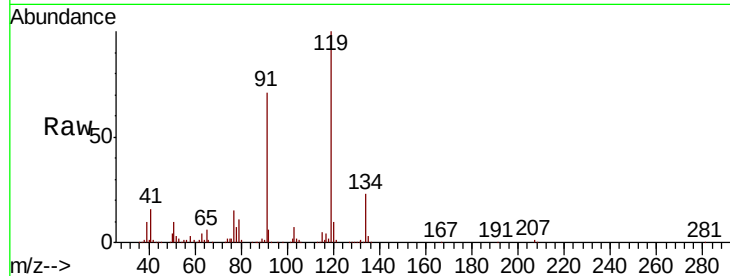




#83
 tert-Butylbenzene
 Concen: 21.795 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

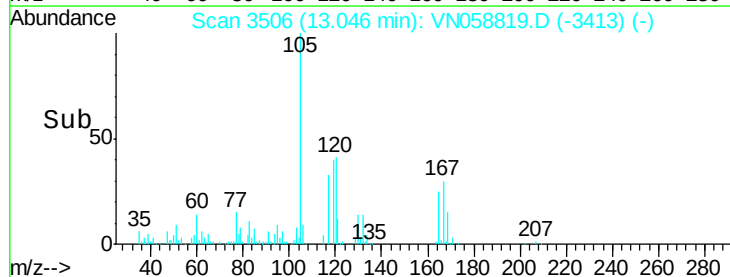
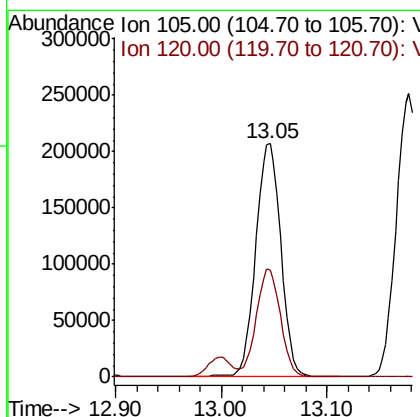
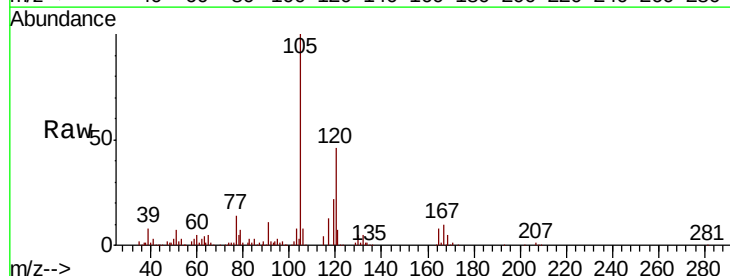
Instrument :
 MSVOA_N
 ClientSampleId :

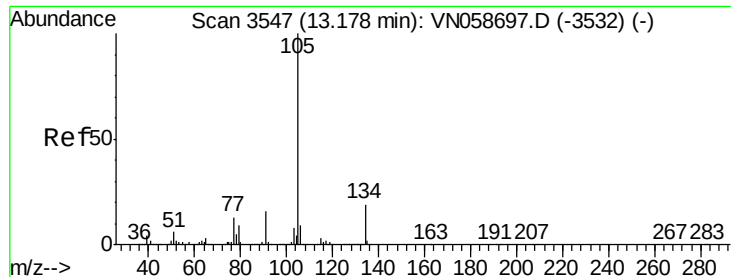
Tot Ion:119 Resp: 293513
 Ion Ratio Lower Upper
 119 100
 91 69.3 33.8 101.3
 134 25.5 12.6 37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.170 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion:105 Resp: 345995
 Ion Ratio Lower Upper
 105 100
 120 44.4 21.9 65.7





#85

sec-Butylbenzene

Concen: 22.293 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :

MSVOA_N

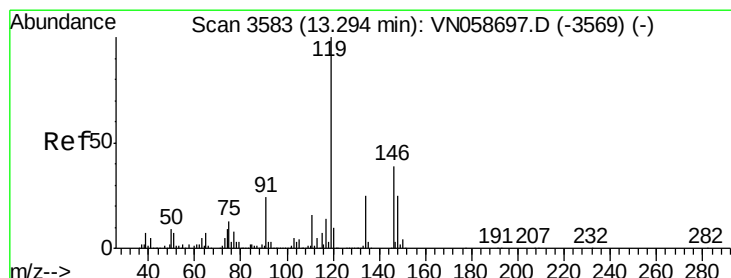
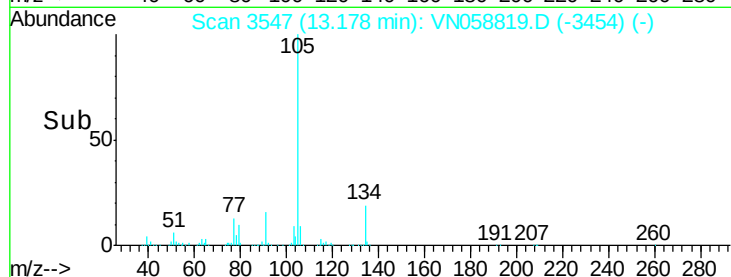
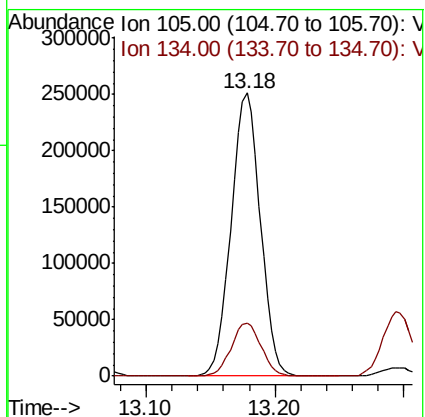
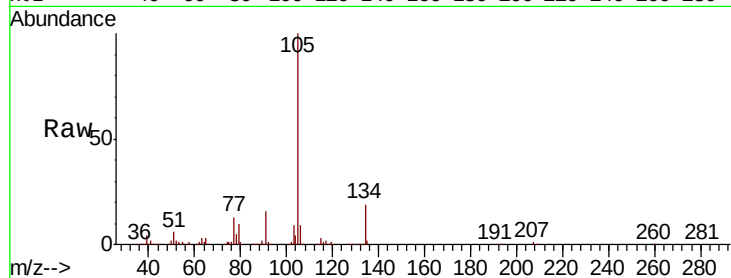
ClientSampled :

Tot Ion:105 Resp: 395596

Ion Ratio Lower Upper

105 100

134 19.2 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.562 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

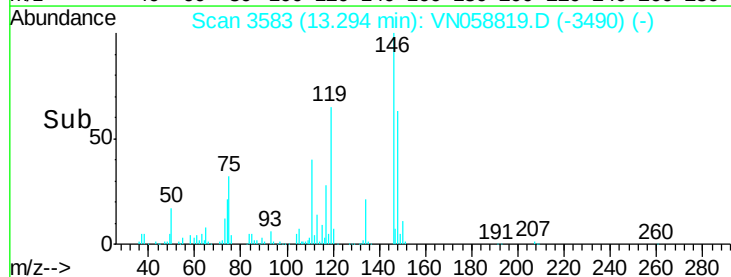
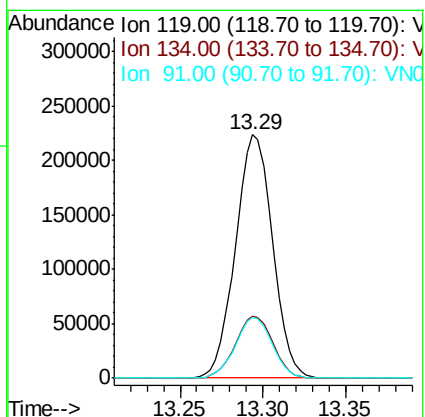
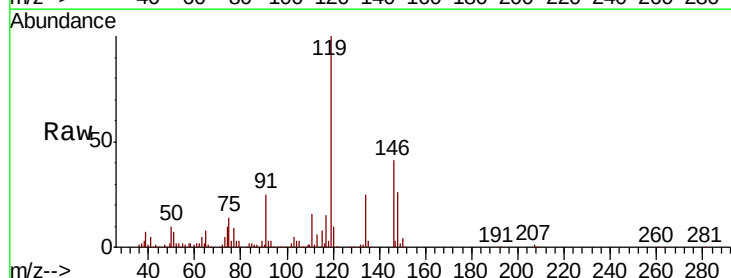
Tgt Ion:119 Resp: 347748

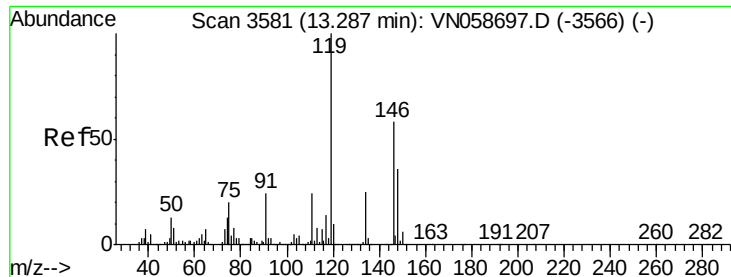
Ion Ratio Lower Upper

119 100

134 25.8 12.7 38.1

91 24.9 11.9 35.5





#87

1,3-Dichlorobenzene

Concen: 20.831 ug/l

RT: 13.29 min Scan# 3581

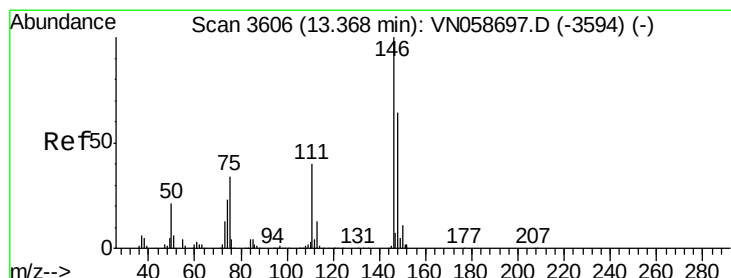
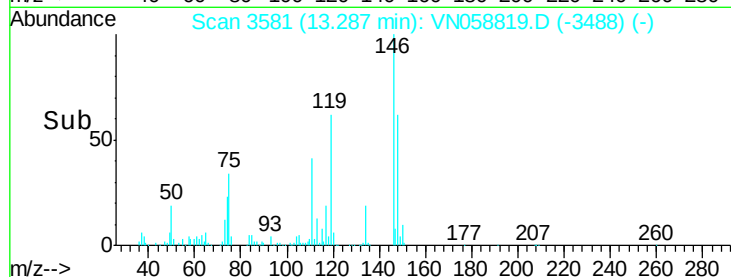
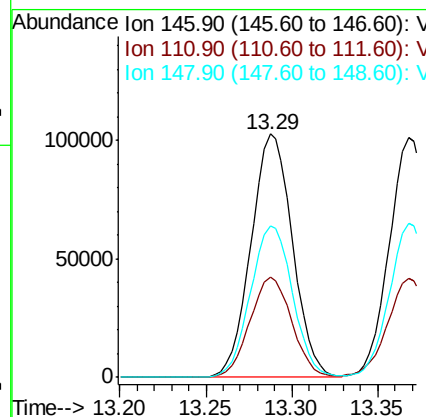
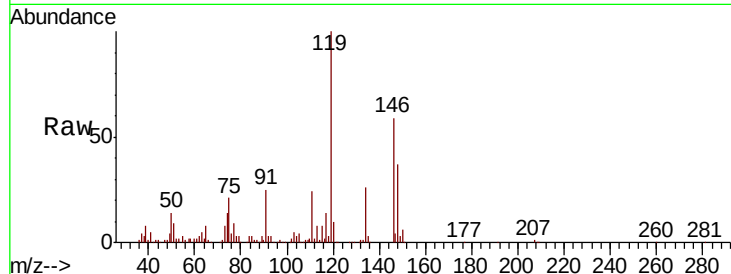
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.5	61.6
148	63.3	31.3	93.9



#88

1,4-Dichlorobenzene

Concen: 20.164 ug/l

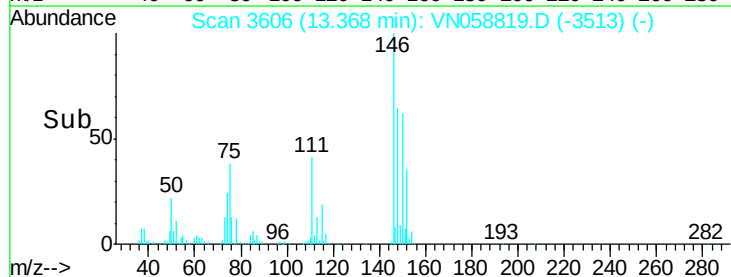
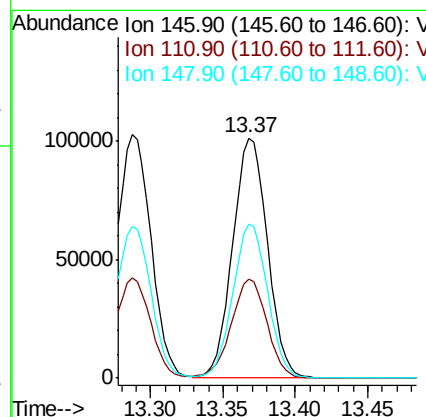
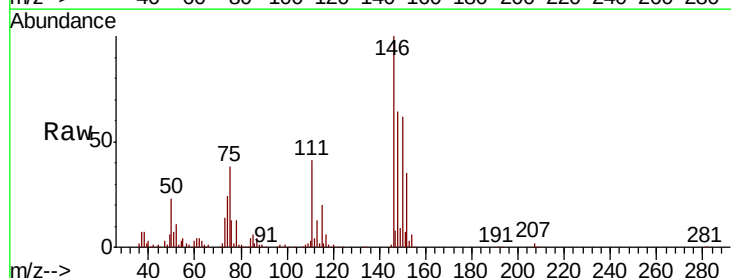
RT: 13.37 min Scan# 3606

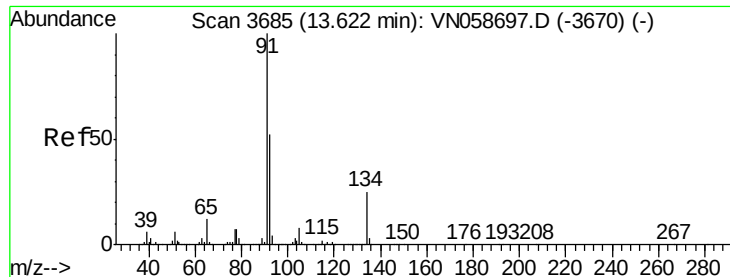
Delta R.T. 0.00 min

Lab File: VN058819.D

Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.1	60.2
148	64.1	31.9	95.7

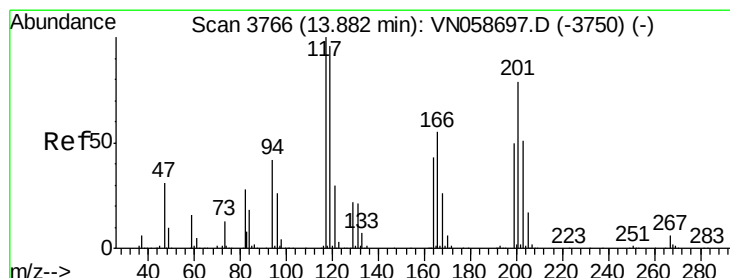
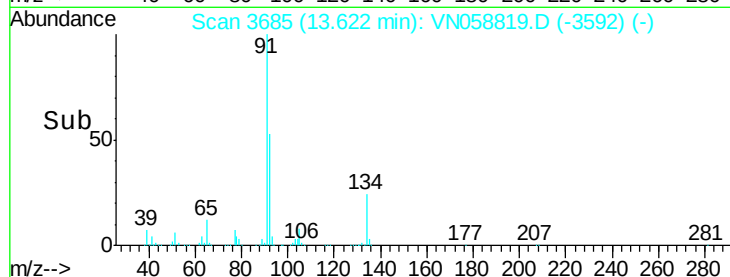
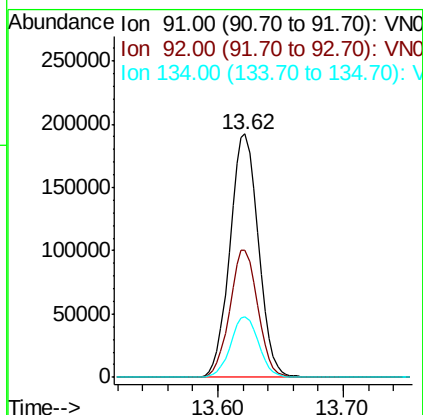
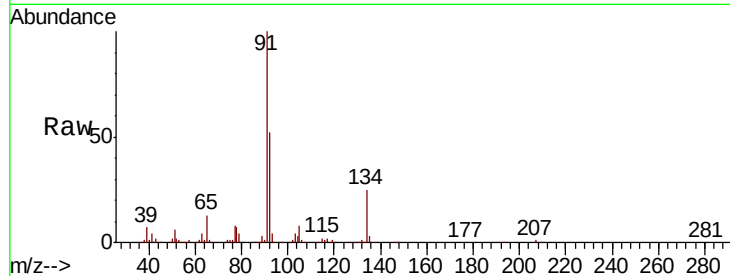




#89
n-Butylbenzene
Concen: 20.298 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

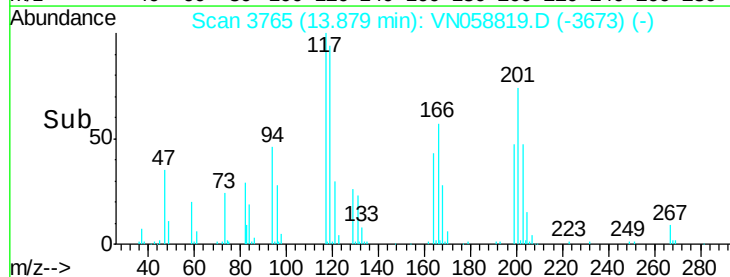
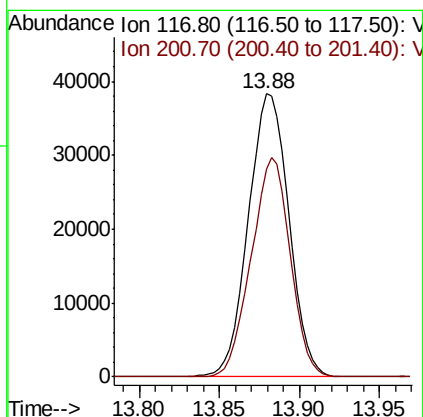
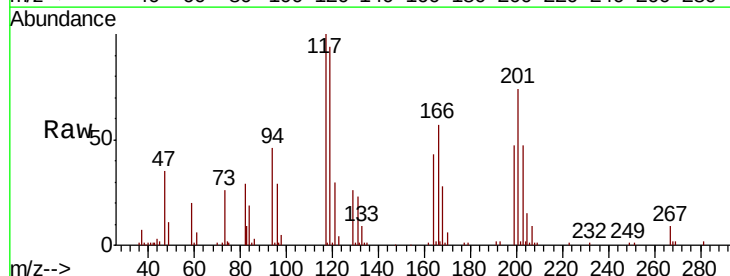
Instrument :
MSVOA_N
ClientSampled :

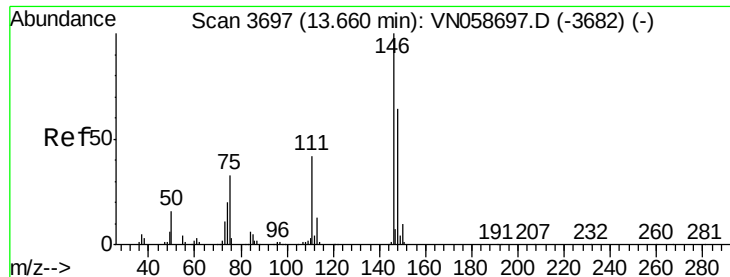
Tot Ion: 91 Resp: 302695
Ion Ratio Lower Upper
91 100
92 51.5 26.0 78.0
134 24.5 12.2 36.6



#90
Hexachloroethane
Concen: 23.056 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion: 117 Resp: 66534
Ion Ratio Lower Upper
117 100
201 74.7 39.6 118.7

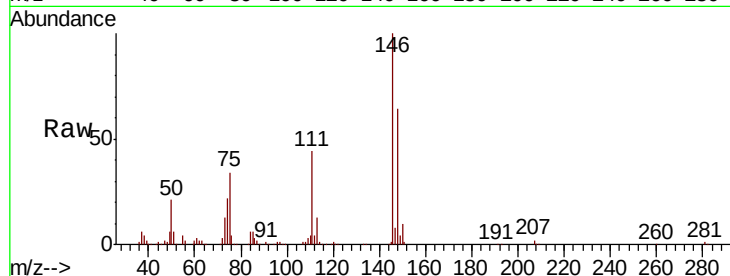




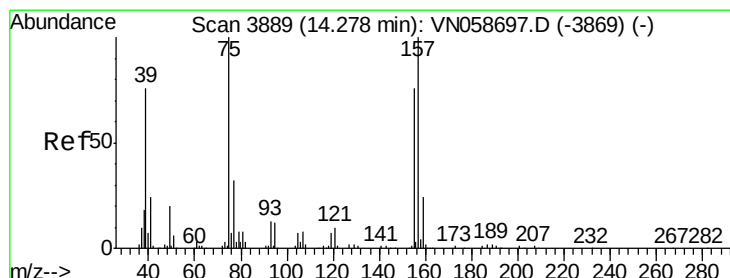
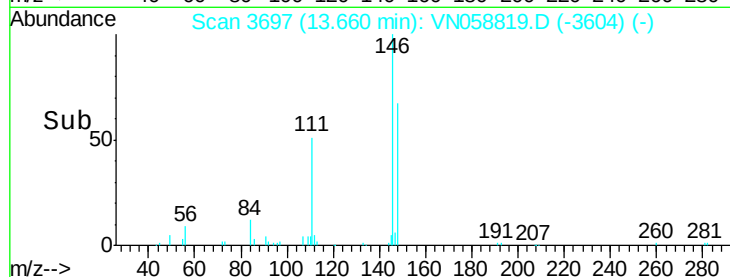
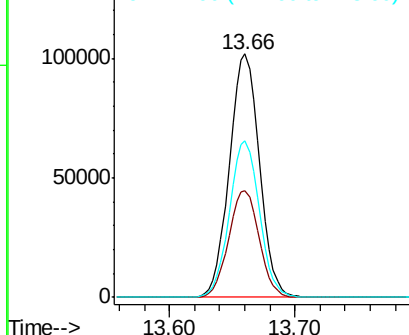
#91
 1,2-Dichlorobenzene
 Concen: 21.035 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	21.1	63.4
148	64.3	31.8	95.3

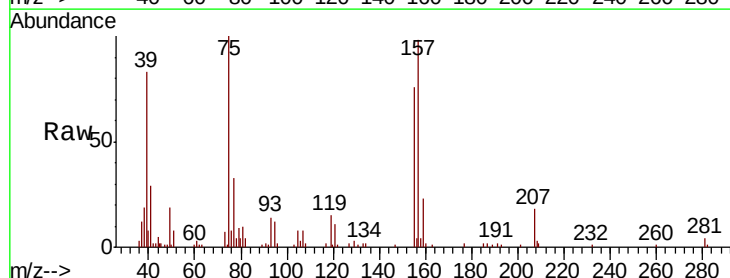


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

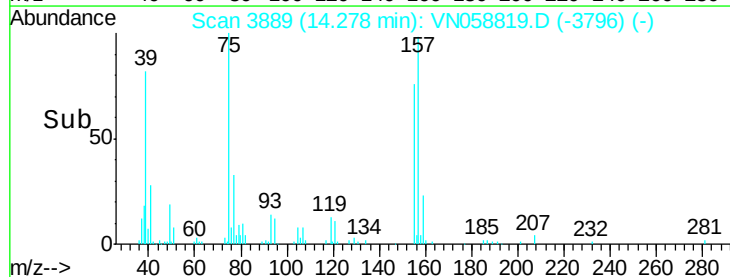
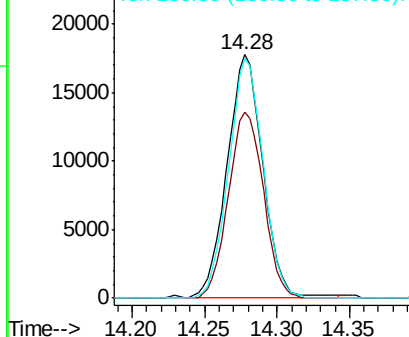


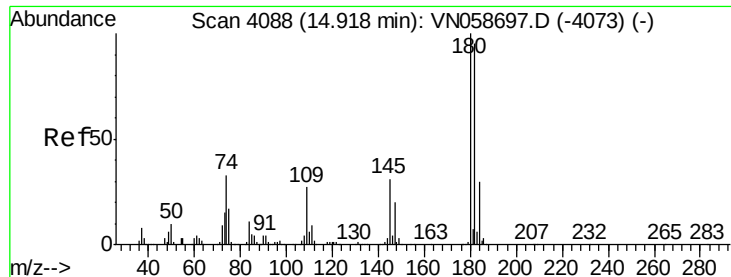
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.451 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.7	37.9	113.6
157	94.5	49.4	148.2



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

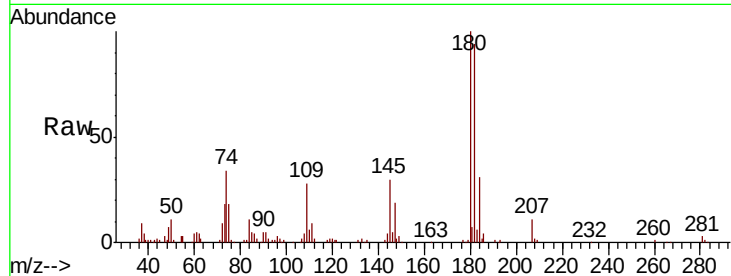




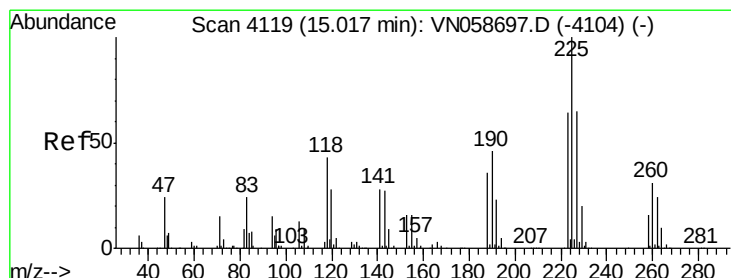
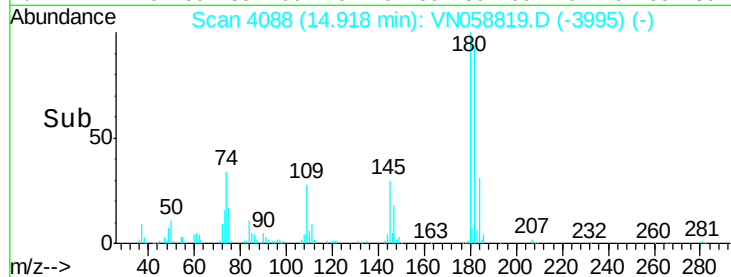
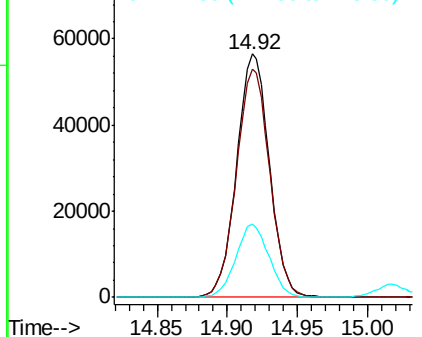
#93
 1,2,4-Trichlorobenzene
 Concen: 18.719 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 91925
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.4 142.2
 145 30.3 15.4 46.2

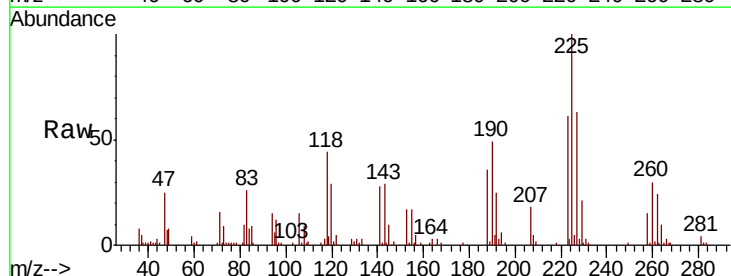


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

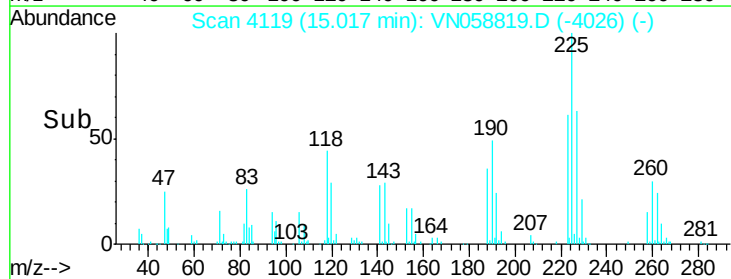
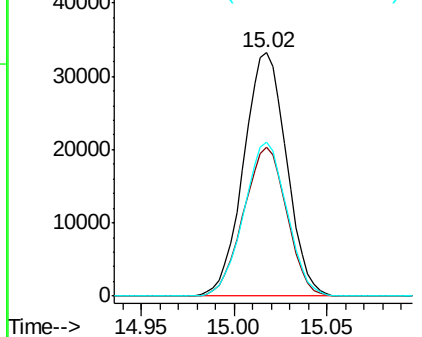


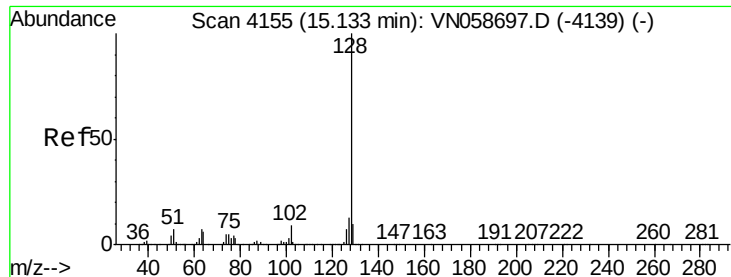
#94
 Hexachlorobutadiene
 Concen: 20.648 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058819.D
 Acq: 17 Oct 2019 12:13

Tgt Ion:225 Resp: 53397
 Ion Ratio Lower Upper
 225 100
 223 61.4 32.3 96.8
 227 63.2 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

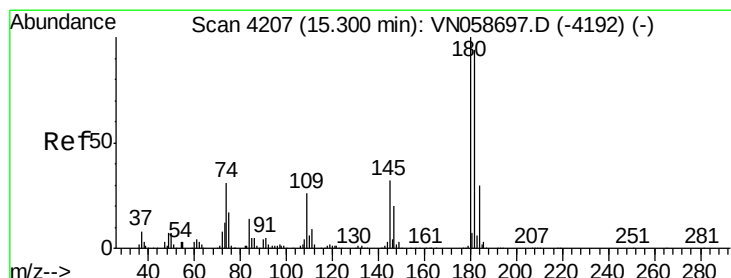
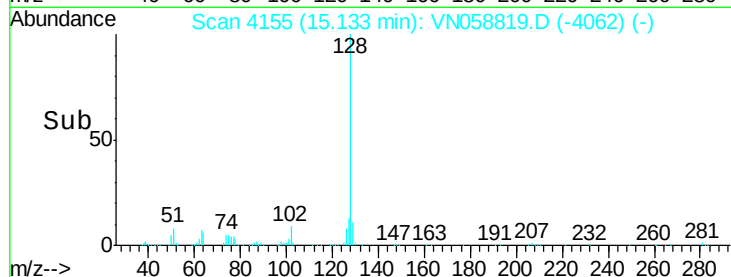
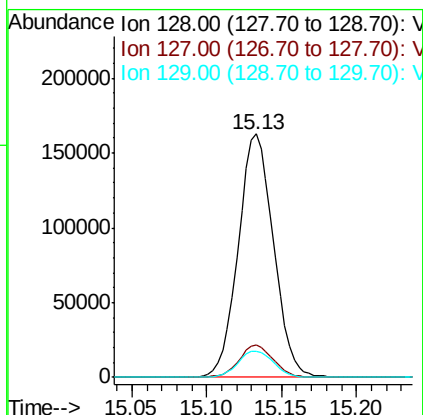
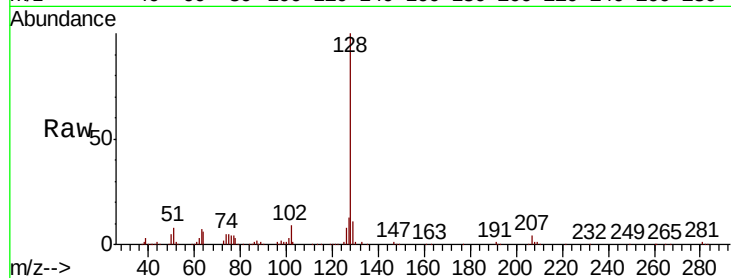




#95
Naphthalene
Concen: 18.957 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 267550
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 18.937 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058819.D
Acq: 17 Oct 2019 12:13

Tgt Ion:180 Resp: 90793
Ion Ratio Lower Upper
180 100
182 96.0 47.3 142.0
145 32.1 16.2 48.6

