

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058811.D
 Acq On : 16 Oct 2019 18:46
 Operator : JC/SP
 Sample : K5399-02MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 17 01:35:34 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	363637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	587746	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	555122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	275738	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	273041	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
35) Dibromofluoromethane	7.57	113	197455	54.39	ug/l	0.00
Spiked Amount			Recovery	=	108.78%	
50) Toluene-d8	10.08	98	758212	52.23	ug/l	0.00
Spiked Amount			Recovery	=	104.46%	
62) 4-Bromofluorobenzene	12.41	95	286640	52.16	ug/l	0.00
Spiked Amount			Recovery	=	104.32%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	236766	52.279	ug/l	99
3) Chloromethane	2.04	50	268822	49.917	ug/l	99
4) Vinyl Chloride	2.17	62	273556	51.001	ug/l	100
5) Bromomethane	2.54	94	163005	49.957	ug/l	100
6) Chloroethane	2.68	64	175249	52.970	ug/l	100
7) Trichlorofluoromethane	3.00	101	330990	51.562	ug/l	98
8) Diethyl Ether	3.39	74	123383	52.021	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	192185	52.507	ug/l	97
10) Methyl Iodide	3.93	142	254613	50.976	ug/l	99
11) Tert butyl alcohol	4.76	59	210484	255.295	ug/l	100
12) 1,1-Dichloroethene	3.72	96	182666	52.307	ug/l	94
13) Acrolein	3.58	56	113114	170.588	ug/l	97
14) Allyl chloride	4.30	41	360218	51.113	ug/l	99
15) Acrylonitrile	4.96	53	576742	277.388	ug/l	100
16) Acetone	3.79	43	507917	240.995	ug/l	99
17) Carbon Disulfide	4.03	76	541948	48.548	ug/l	100
18) Methyl Acetate	4.30	43	283516	53.033	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	680960	54.608	ug/l	96
20) Methylene Chloride	4.53	84	219513	49.835	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	198994	50.942	ug/l	98
22) Diisopropyl ether	5.93	45	759677	55.440	ug/l	98
23) Vinyl Acetate	5.87	43	3092102	279.657	ug/l	100
24) 1,1-Dichloroethane	5.82	63	417869	53.544	ug/l	99
25) 2-Butanone	6.81	43	798029	261.967	ug/l	99
26) 2,2-Dichloropropane	6.80	77	335688	47.121	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	236963	52.020	ug/l	98
28) Bromochloromethane	7.18	49	148569	54.721	ug/l	98
29) Tetrahydrofuran	7.19	42	541338	274.984	ug/l	99
30) Chloroform	7.35	83	415529	52.995	ug/l	100
31) Cyclohexane	7.64	56	368661	49.371	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	360761	53.951	ug/l	99
36) 1,1-Dichloropropene	7.77	75	308520	51.917	ug/l	99
37) Ethyl Acetate	6.91	43	352250	58.612	ug/l	98
38) Carbon Tetrachloride	7.76	117	316330	54.619	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	350627	50.848	ug/l	99
40) Benzene	8.03	78	904965	53.025	ug/l	99
41) Methacrylonitrile	7.19	41	498359	177.147	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	352413	53.747	ug/l	99
43) Isopropyl Acetate	8.15	43	540765	52.819	ug/l	100
44) Trichloroethene	8.82	130	223176	52.658	ug/l	99
45) 1,2-Dichloropropane	9.11	63	248104	54.304	ug/l	98
46) Dibromomethane	9.20	93	161092	55.613	ug/l	98
47) Bromodichloromethane	9.39	83	334096	56.639	ug/l	99
48) Methyl methacrylate	9.19	41	256759	55.326	ug/l	98
49) 1,4-Dioxane	9.19	88	82624	1150.816	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1713369	297.986	ug/l	99
52) Toluene	10.15	92	552882	52.966	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	365640	54.046	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	379226	52.794	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	223515	52.316	ug/l	98
56) Ethyl methacrylate	10.43	69	353584	56.649	ug/l	99
57) 1,3-Dichloropropane	10.71	76	396452	54.455	ug/l	100
59) 2-Hexanone	10.75	43	1267937	285.347	ug/l	99
60) Dibromochloromethane	10.90	129	247786	56.222	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229247	53.560	ug/l	99
64) Tetrachloroethene	10.63	164	189108	48.678	ug/l	97
65) Chlorobenzene	11.43	112	584263	51.827	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	224616	53.883	ug/l	99
67) Ethyl Benzene	11.51	91	1086783	54.081	ug/l	99
68) m/p-Xylenes	11.62	106	802794	106.452	ug/l	98
69) o-Xylene	11.95	106	384605	52.711	ug/l	100
70) Stvrene	11.97	104	640469	53.556	ug/l	99
71) Bromoform	12.13	173	172143	56.338	ug/l #	97
73) Isopropylbenzene	12.25	105	1051127	52.636	ug/l	99
74) N-amyl acetate	12.07	43	469733	52.373	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	349751	53.165	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	466983	77.200	ug/l #	100
77) Bromobenzene	12.53	156	247914	51.040	ug/l	99
78) n-propylbenzene	12.60	91	1251976	53.803	ug/l	99
79) 2-Chlorotoluene	12.68	91	736269	50.978	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	902729	52.950	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	118025	52.265	ug/l	99
82) 4-Chlorotoluene	12.78	91	751139	50.681	ug/l	99
83) tert-Butylbenzene	13.00	119	758027	51.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	910990	53.825	ug/l	100
85) sec-Butylbenzene	13.18	105	1035580	53.811	ug/l	99
86) p-Isopropyltoluene	13.29	119	927432	53.023	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	451777	50.434	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	443860	48.735	ug/l	99
89) n-Butylbenzene	13.62	91	823573	50.922	ug/l	99
90) Hexachloroethane	13.88	117	168357	53.794	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	450765	51.631	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75567	49.169	ug/l	96
93) 1,2,4-Trichlorobenzene	14.92	180	253213	47.545	ug/l	99

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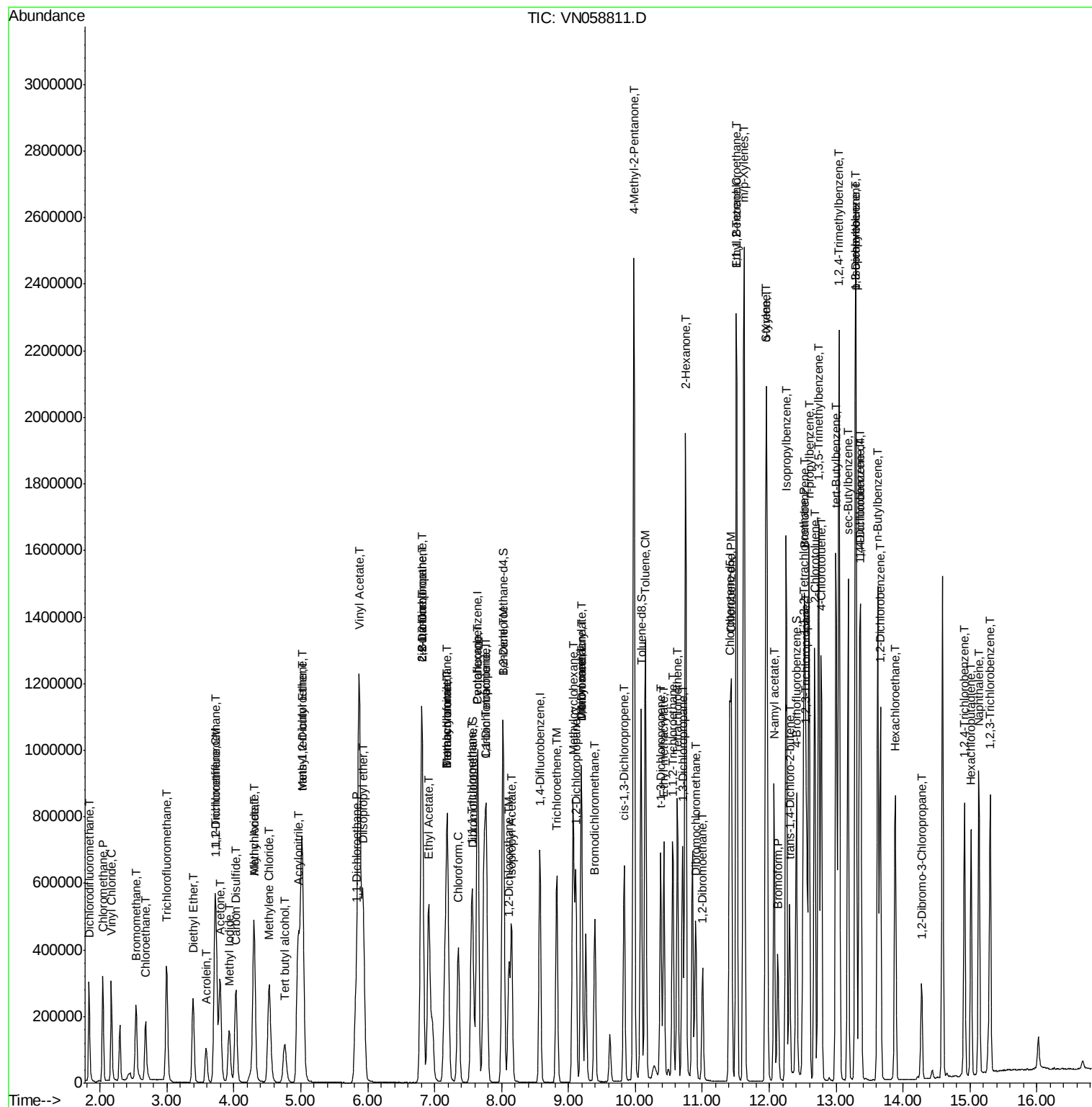
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	133466	47.588	ug/l	98
95) Naphthalene	15.13	128	720863	47.096	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	245370	47.190	ug/l	100

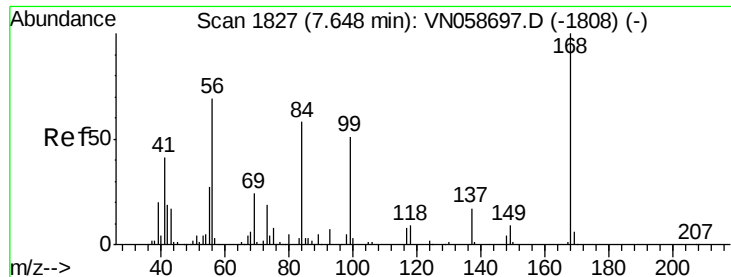
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

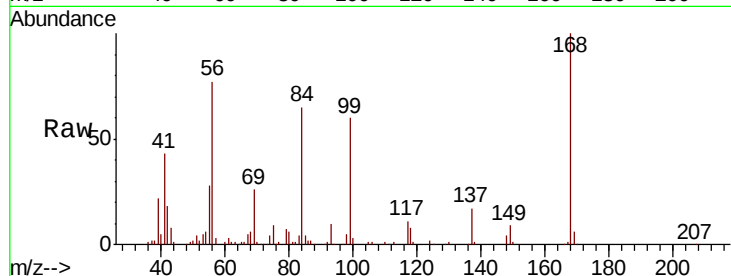
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 363637

Ion Ratio Lower Upper

168 100

99 59.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

150000

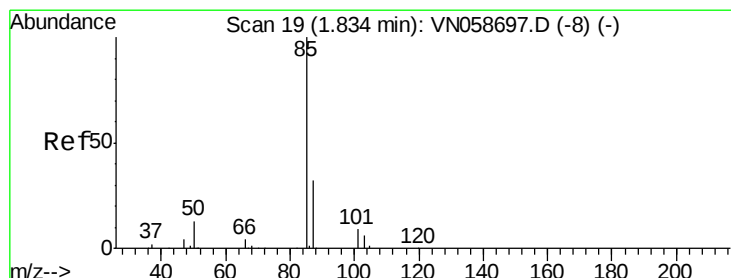
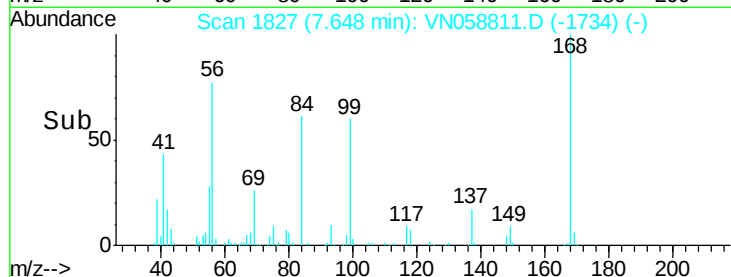
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 52.279 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058811.D

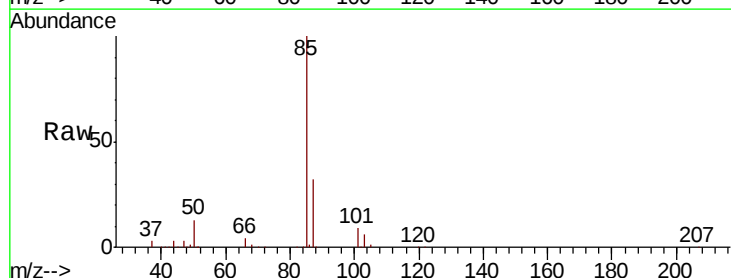
Acq: 16 Oct 2019 18:46

Tgt Ion: 85 Resp: 236766

Ion Ratio Lower Upper

85 100

87 31.8 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

200000

150000

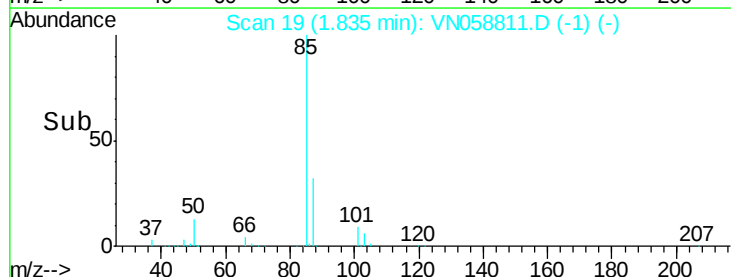
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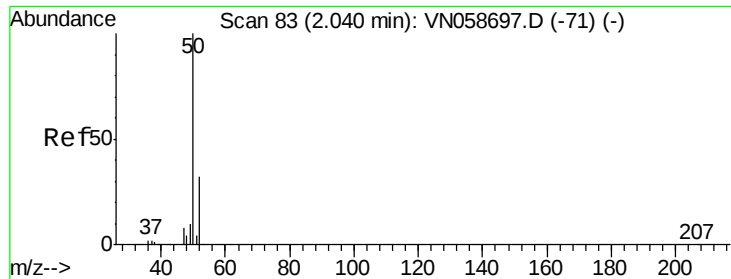
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 49.917 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

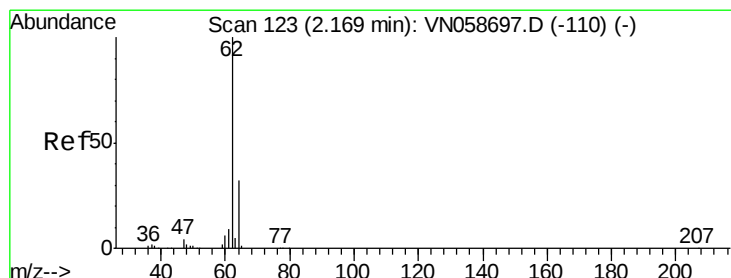
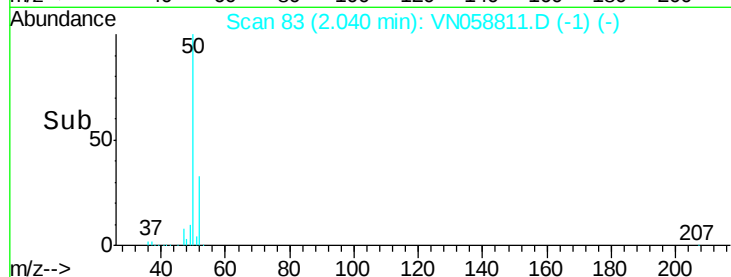
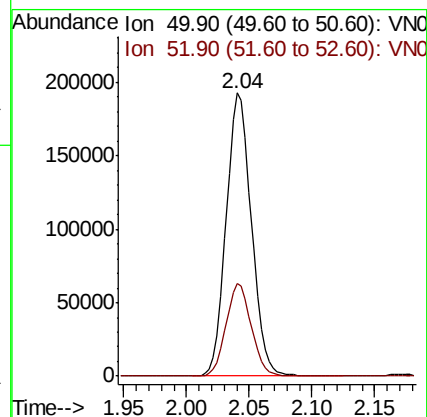
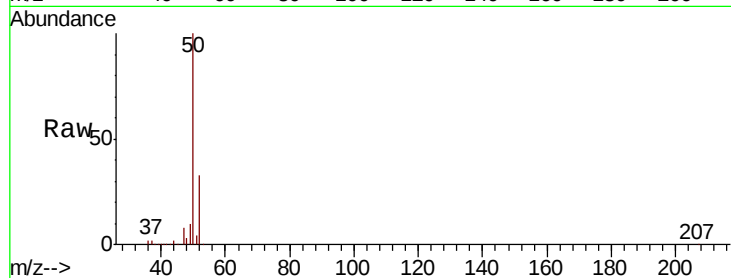
ClientSampleId :

Tot Ion: 50 Resp: 268822

Ion Ratio Lower Upper

50 100

52 32.9 25.8 38.6



#4

Vinyl Chloride

Concen: 51.001 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058811.D

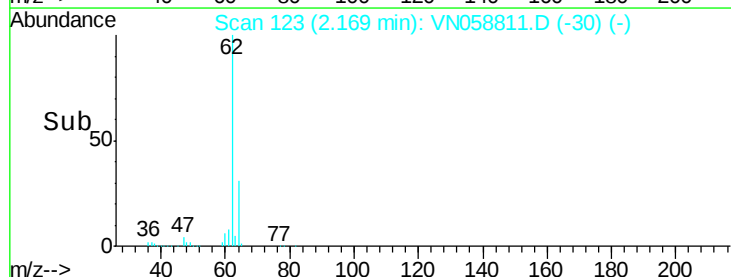
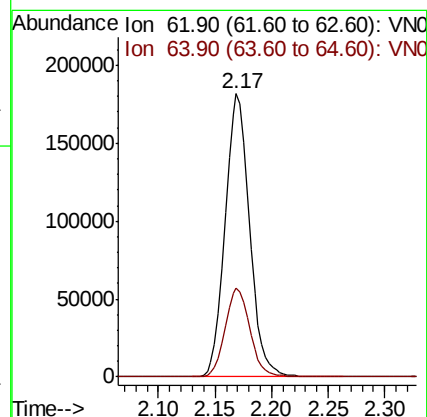
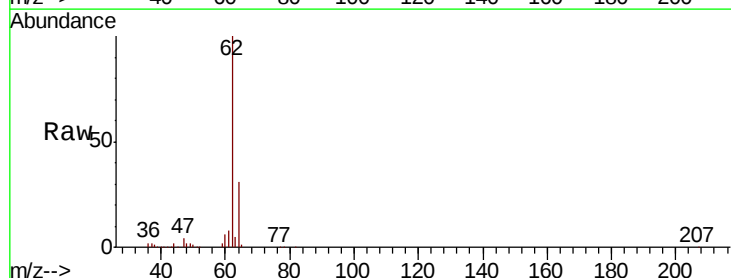
Acq: 16 Oct 2019 18:46

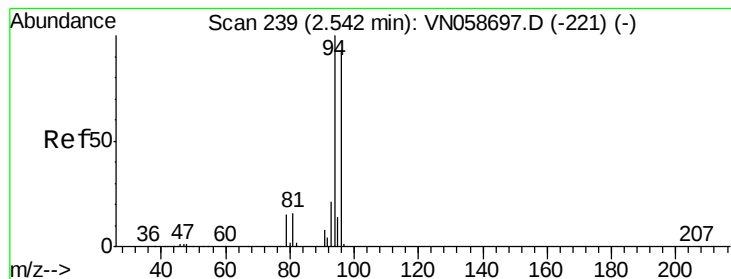
Tgt Ion: 62 Resp: 273556

Ion Ratio Lower Upper

62 100

64 31.4 25.3 37.9





#5

Bromomethane

Concen: 49.957 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

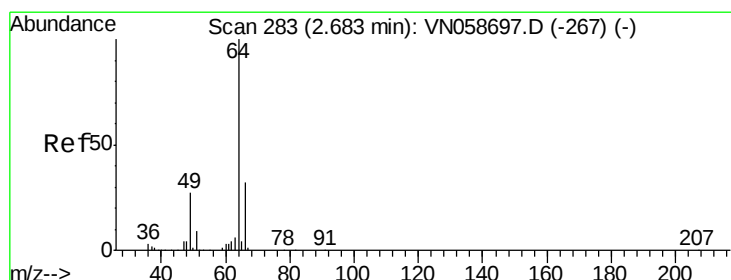
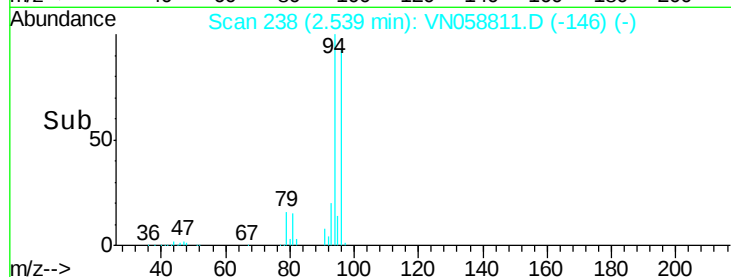
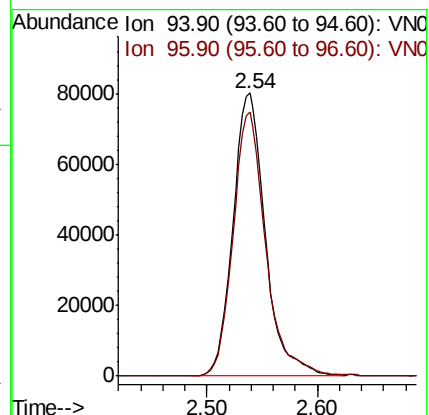
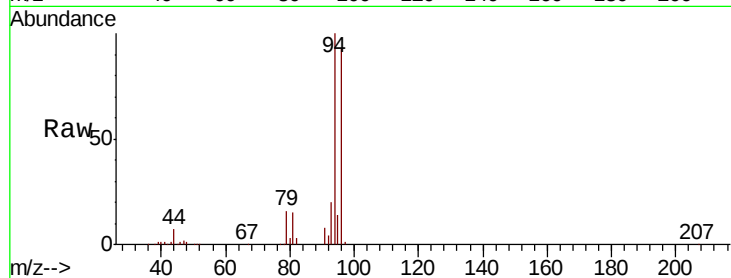
ClientSampled :

Tot Ion: 94 Resp: 163005

Ion Ratio Lower Upper

94 100

96 93.0 74.5 111.7



#6

Chloroethane

Concen: 52.970 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058811.D

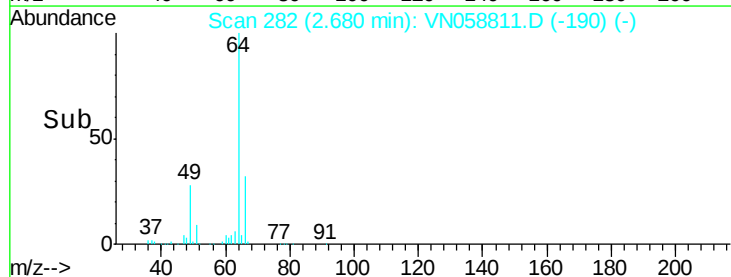
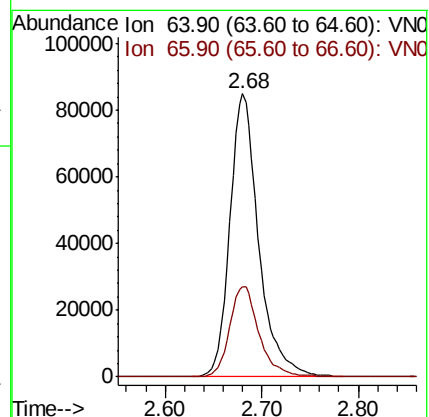
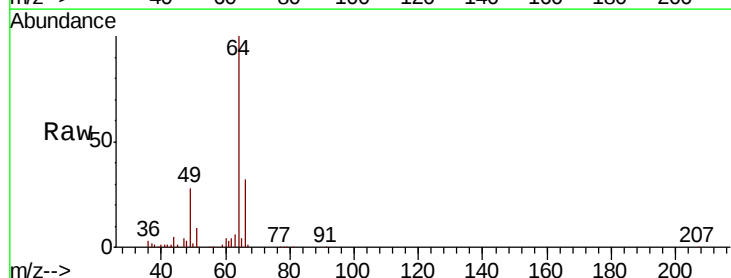
Acq: 16 Oct 2019 18:46

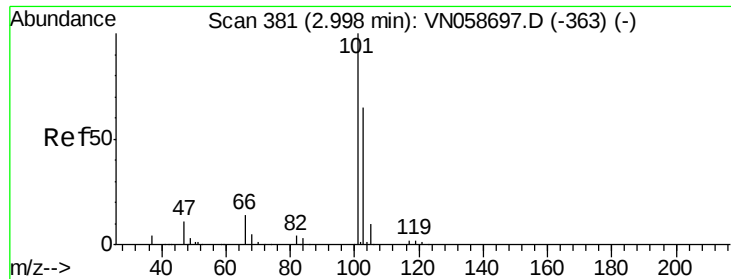
Tgt Ion: 64 Resp: 175249

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.2



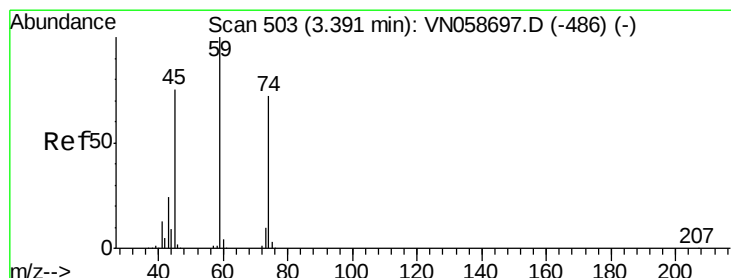
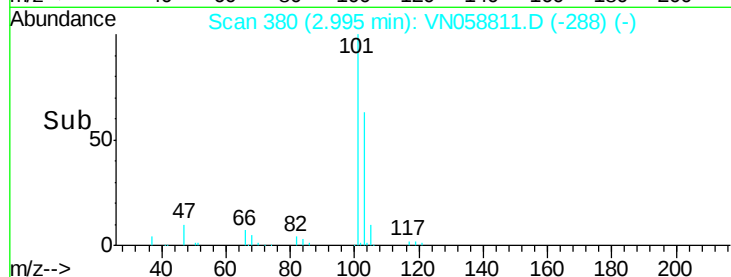
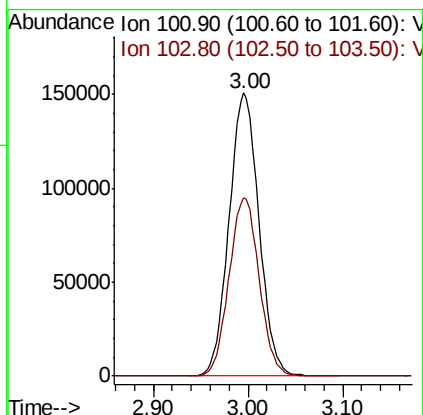
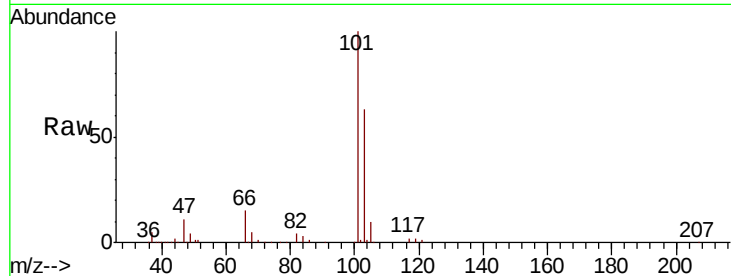


#7

Trichlorofluoromethane
 Concen: 51.562 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :

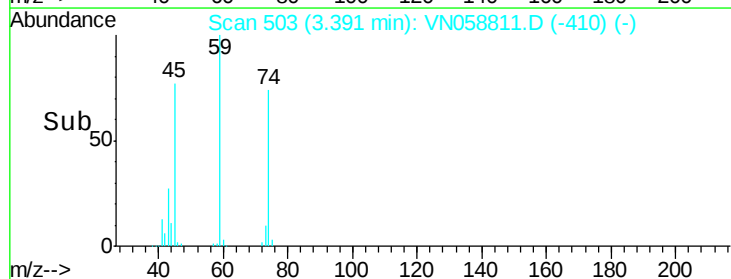
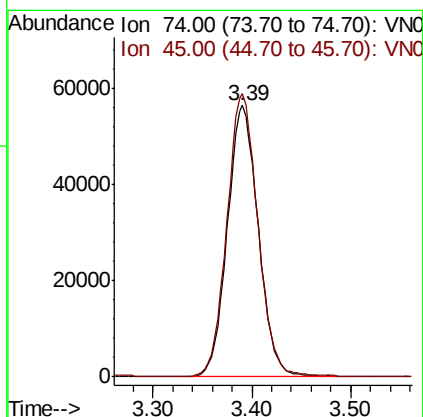
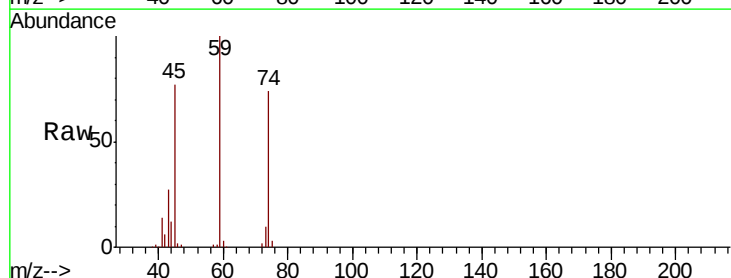
Tot Ion:101 Resp: 330990
 Ion Ratio Lower Upper
 101 100
 103 63.1 51.8 77.6

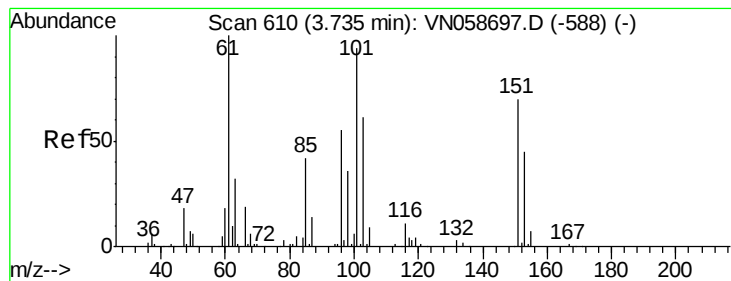


#8

Diethyl Ether
 Concen: 52.021 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion: 74 Resp: 123383
 Ion Ratio Lower Upper
 74 100
 45 105.1 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.507 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

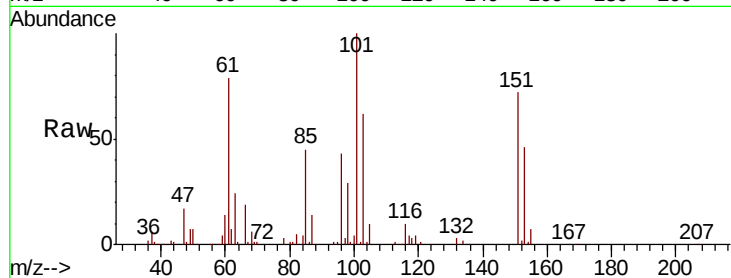
Tot Ion:101 Resp: 192185

Ion Ratio Lower Upper

101 100

85 45.8 37.0 55.6

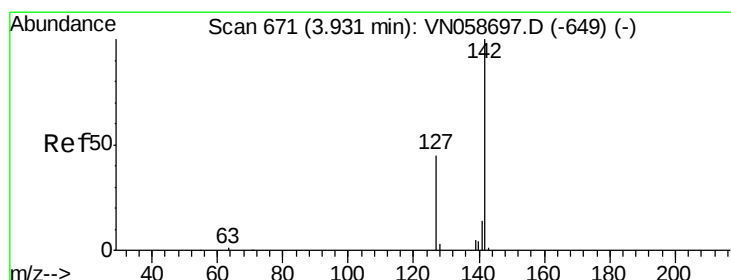
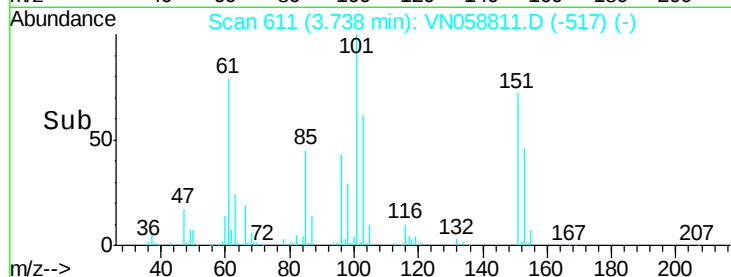
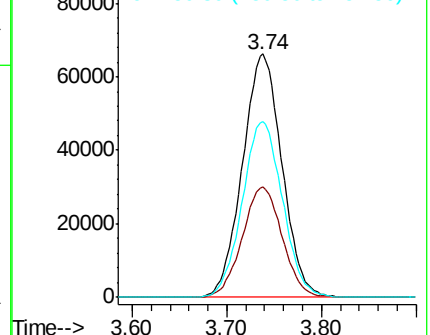
151 73.6 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.976 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

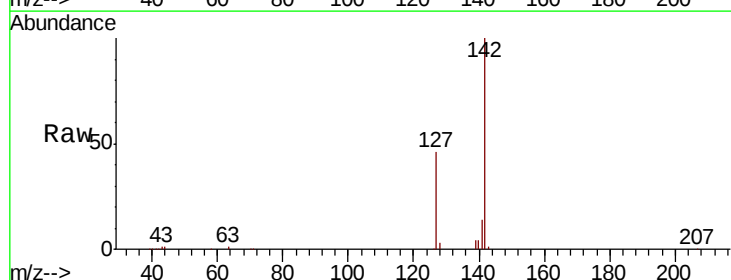
Tgt Ion:142 Resp: 254613

Ion Ratio Lower Upper

142 100

127 46.0 36.4 54.6

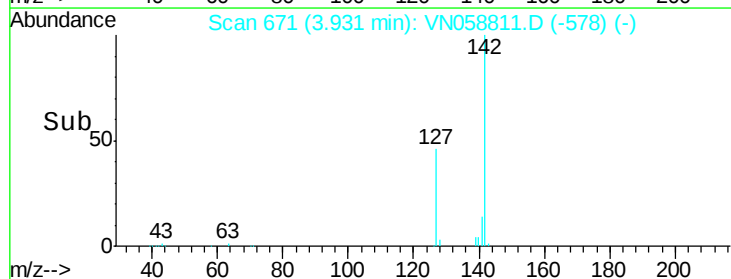
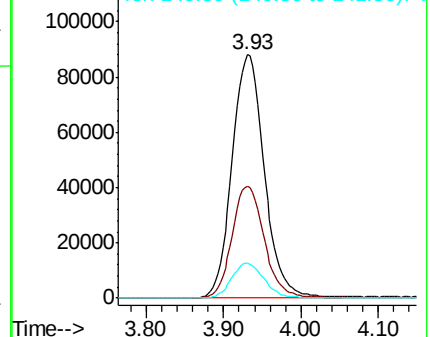
141 14.5 11.1 16.7

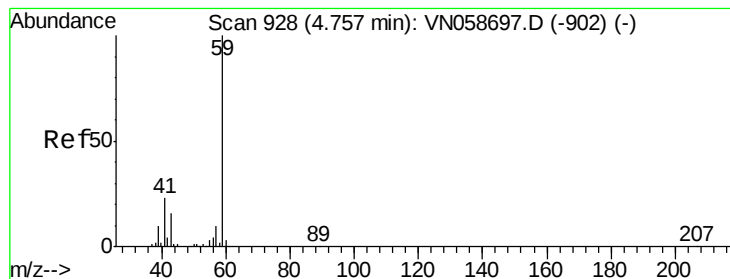


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



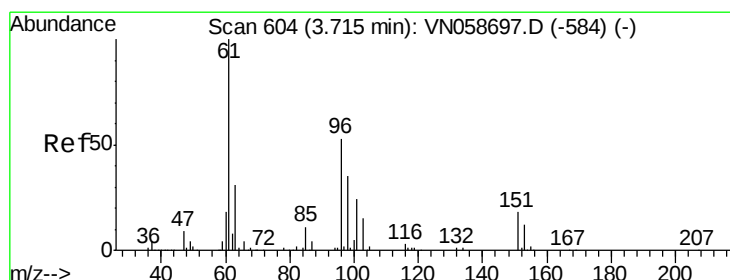
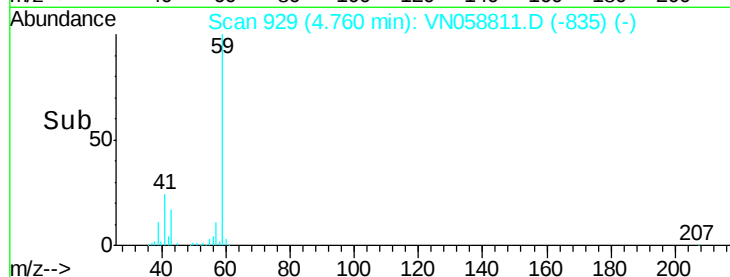
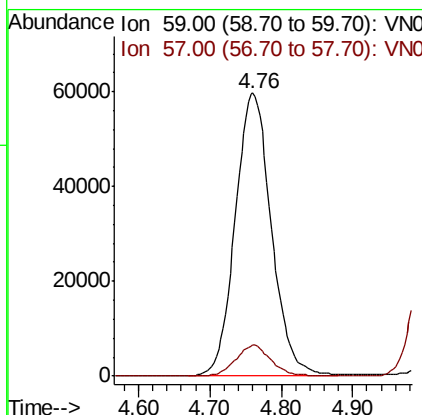
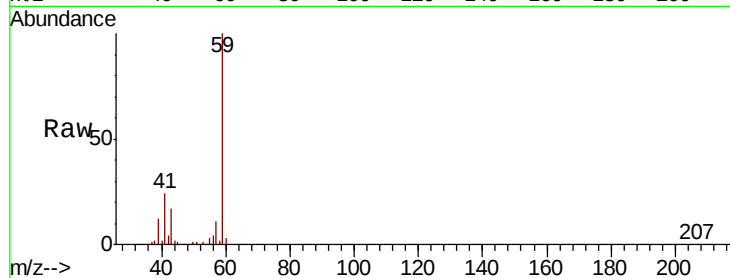


#11

Tert butyl alcohol
 Concen: 255.295 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampled :

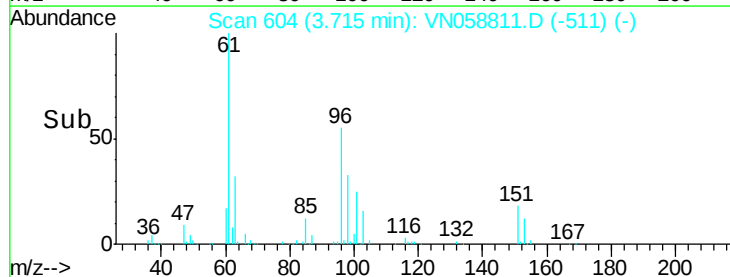
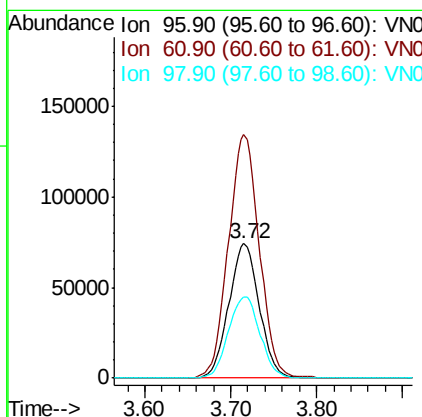
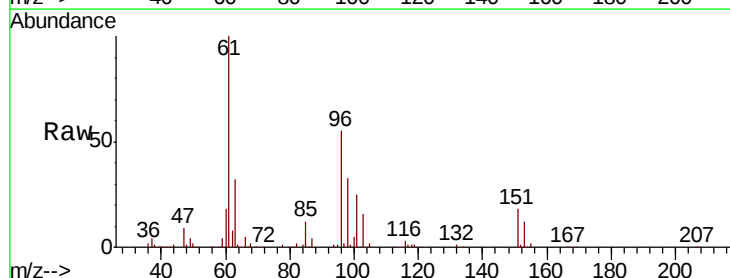
Tot Ion: 59 Resp: 210484
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

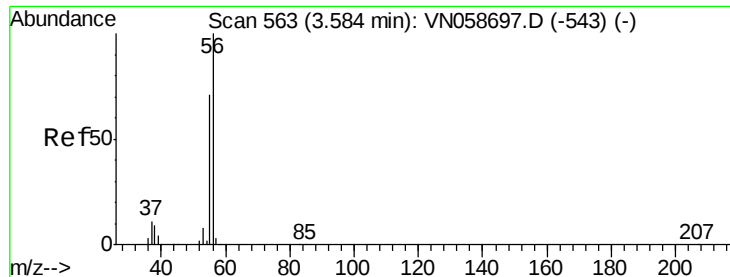


#12

1,1-Dichloroethene
 Concen: 52.307 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion: 96 Resp: 182666
 Ion Ratio Lower Upper
 96 100
 61 181.0 151.3 226.9
 98 60.3 52.6 78.8





#13

Acrolein

Concen: 170.588 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

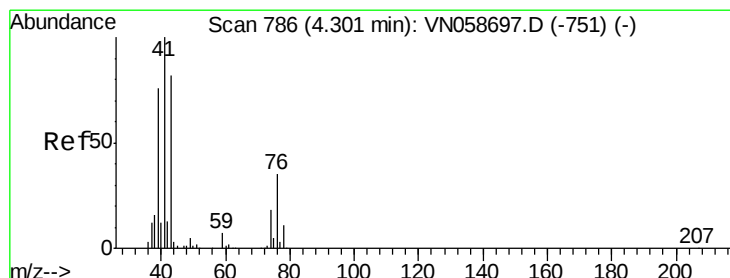
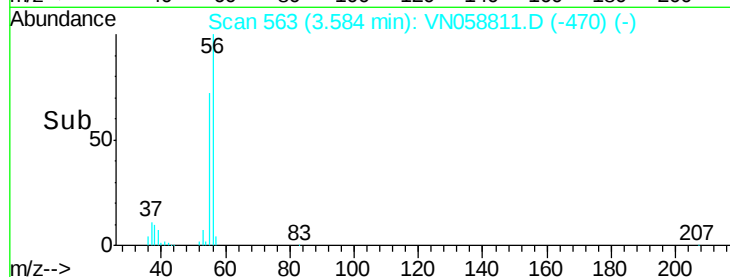
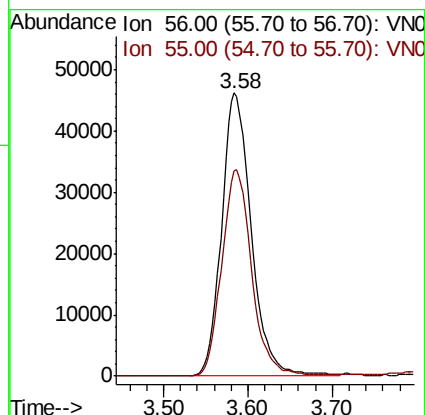
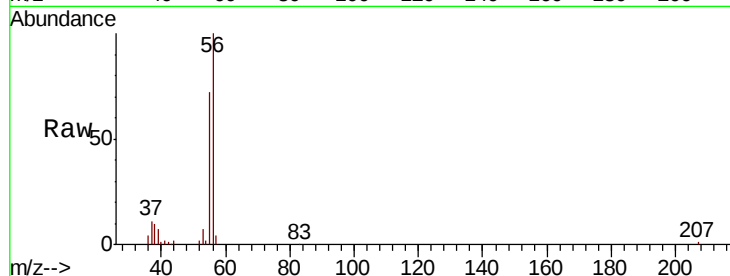
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 113114

Ion Ratio Lower Upper

56 100

55 73.3 56.7 85.1



#14

Allyl chloride

Concen: 51.113 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

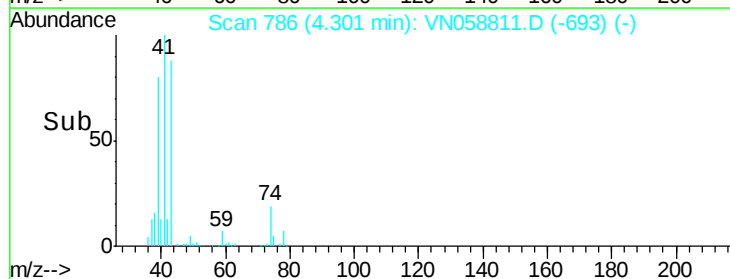
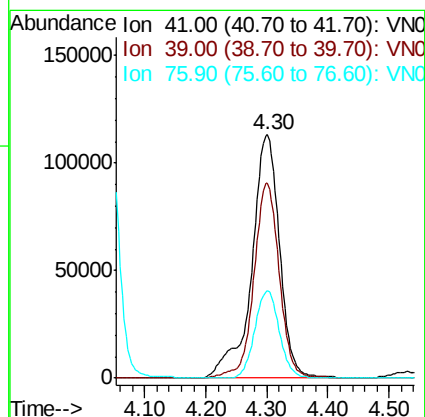
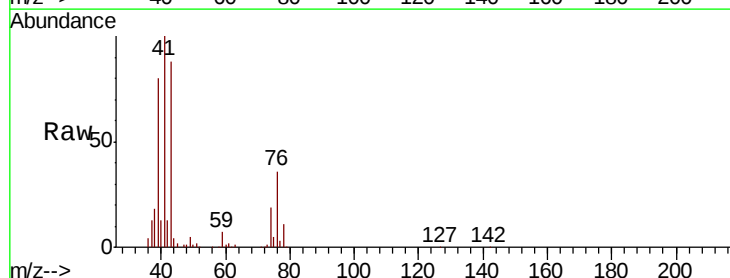
Tgt Ion: 41 Resp: 360218

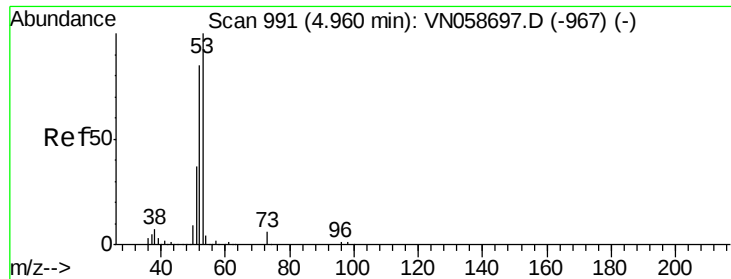
Ion Ratio Lower Upper

41 100

39 72.5 57.2 85.8

76 31.5 25.0 37.6





#15

Acrylonitrile

Concen: 277.388 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

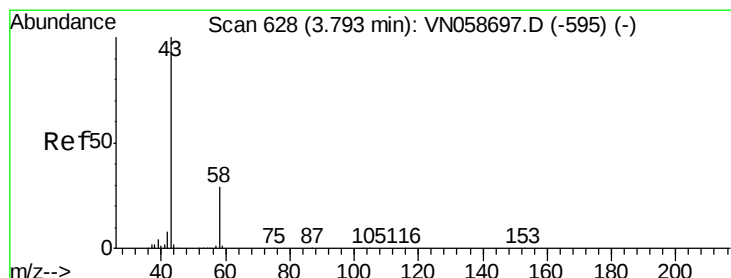
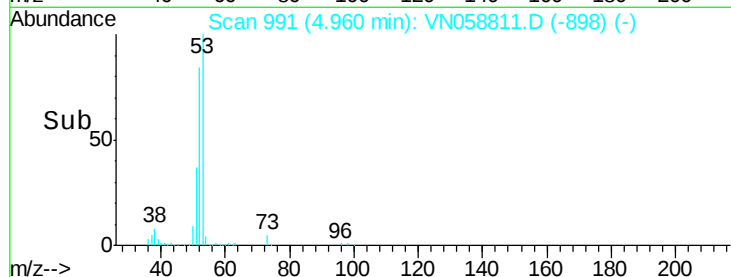
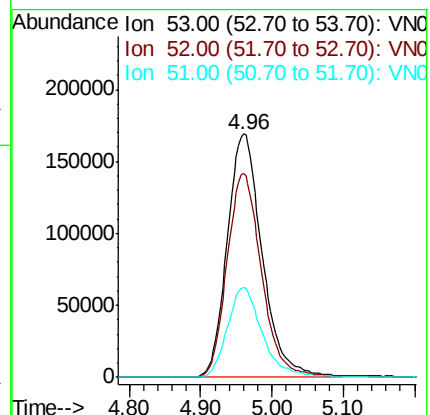
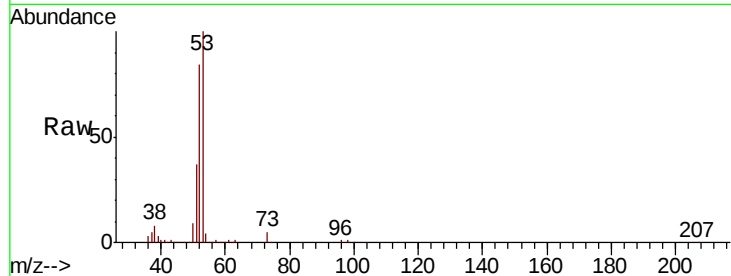
Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 576742

Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	37.1	29.4	44.2



#16

Acetone

Concen: 240.995 ug/l

RT: 3.79 min Scan# 628

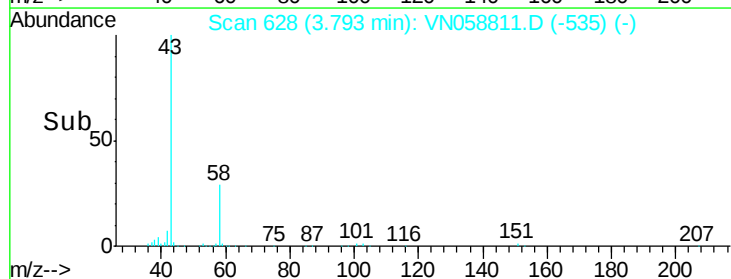
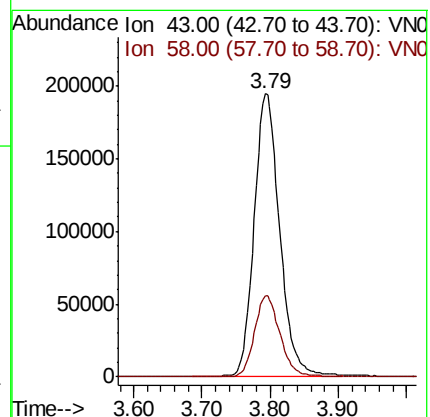
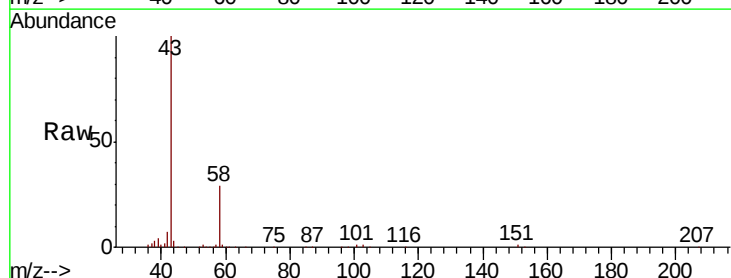
Delta R.T. 0.00 min

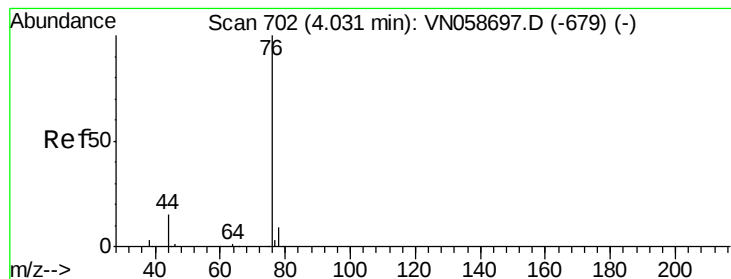
Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion: 43 Resp: 507917

Ion	Ratio	Lower	Upper
43	100		
58	28.6	23.3	34.9





#17

Carbon Disulfide

Concen: 48.548 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

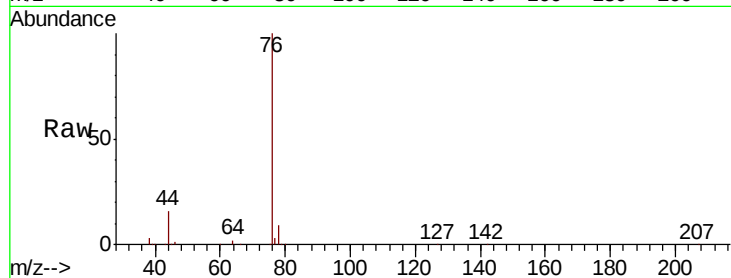
ClientSampleId :

Tot Ion: 76 Resp: 541948

Ion Ratio Lower Upper

76 100

78 8.7 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO

4.03

200000

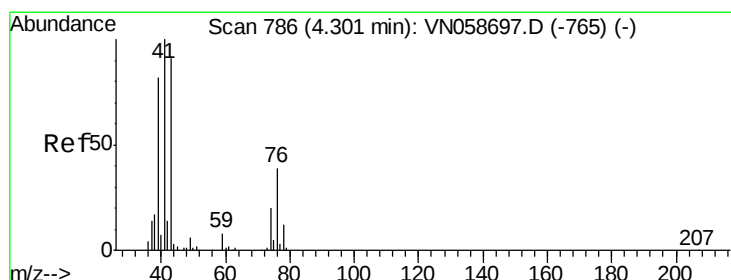
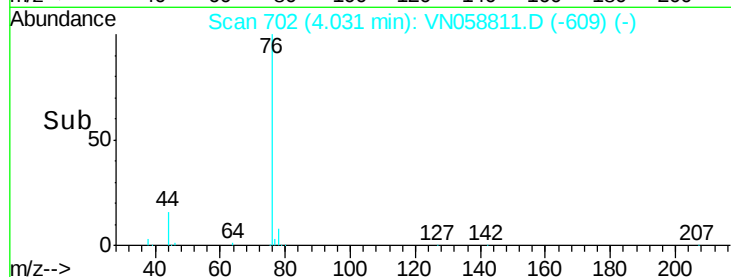
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 53.033 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058811.D

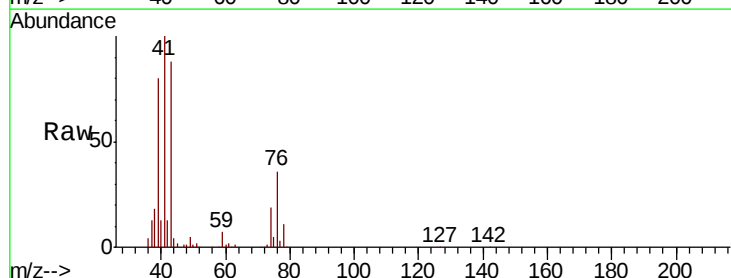
Acq: 16 Oct 2019 18:46

Tgt Ion: 43 Resp: 283516

Ion Ratio Lower Upper

43 100

74 22.2 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

4.30

100000

80000

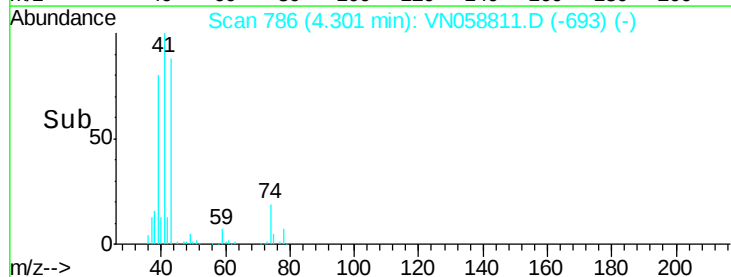
60000

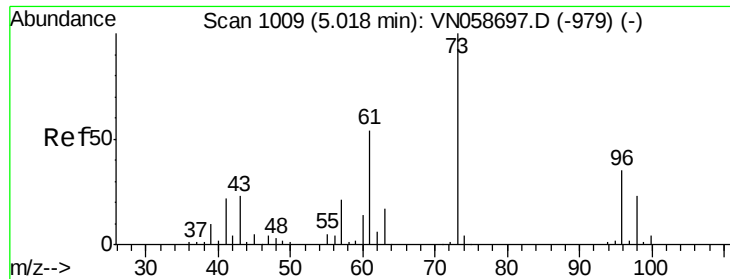
40000

20000

0

Time-->

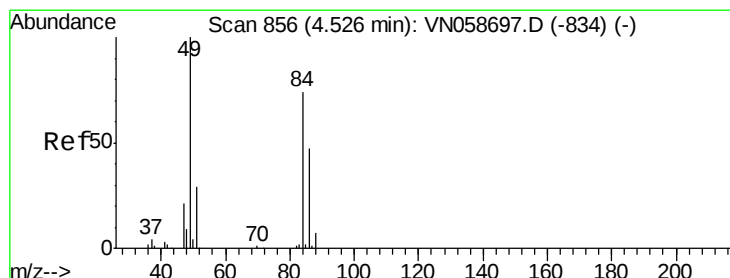
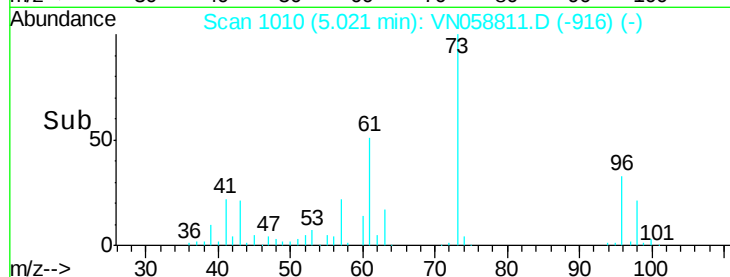
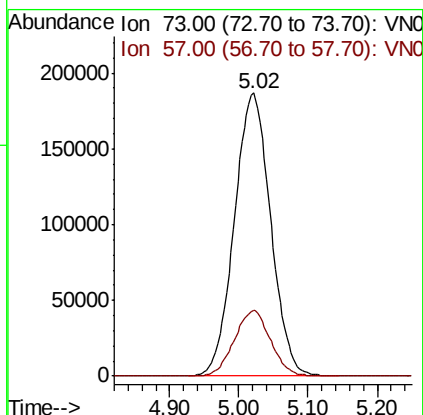
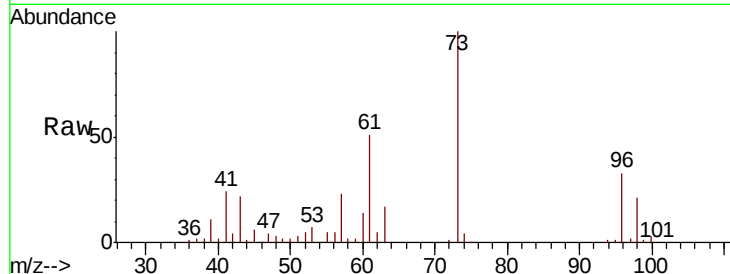




#19
Methvl tert-butvl Ether
Concen: 54.608 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

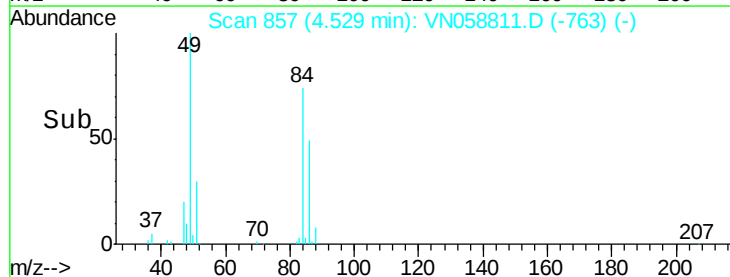
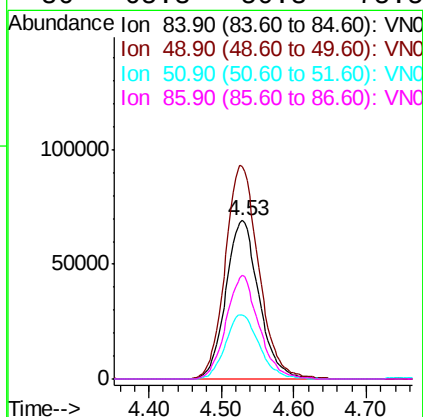
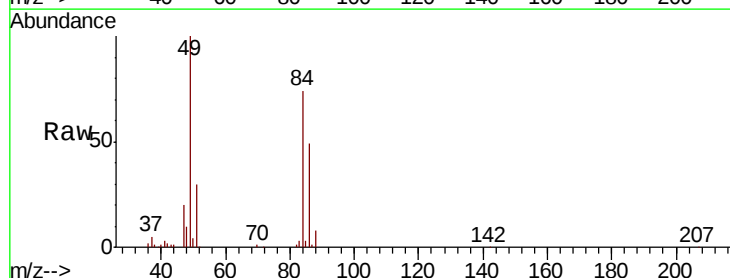
Instrument :
MSVOA_N
ClientSampleId :

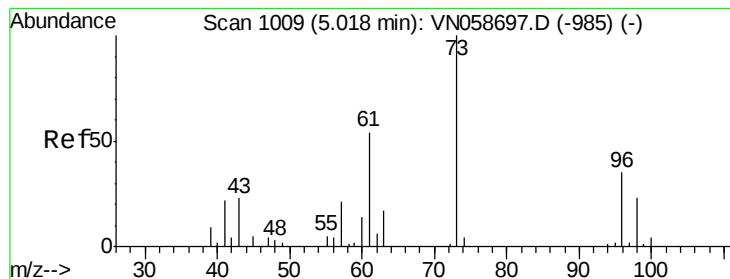
Tot Ion: 73 Resp: 680960
Ion Ratio Lower Upper
73 100
57 23.1 17.0 25.6



#20
Methylene Chloride
Concen: 49.835 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion: 84 Resp: 219513
Ion Ratio Lower Upper
84 100
49 134.3 107.6 161.4
51 40.4 31.4 47.0
86 65.3 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 50.942 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :

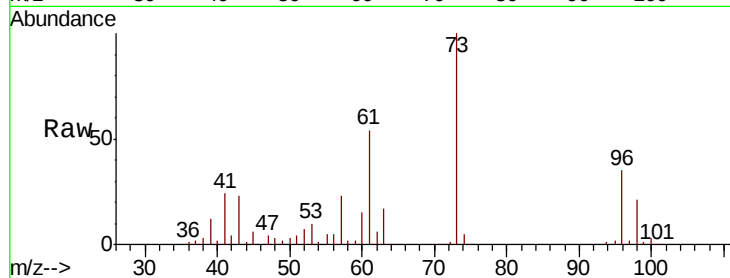
Tot Ion: 96 Resp: 198994

Ion Ratio Lower Upper

96 100

61 153.1 123.6 185.4

98 61.5 52.1 78.1

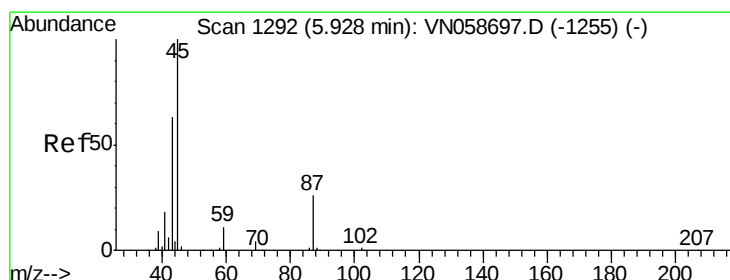
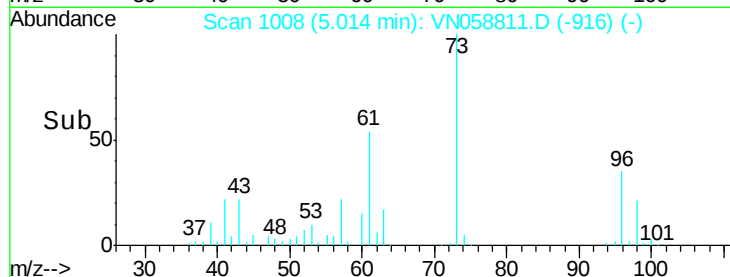
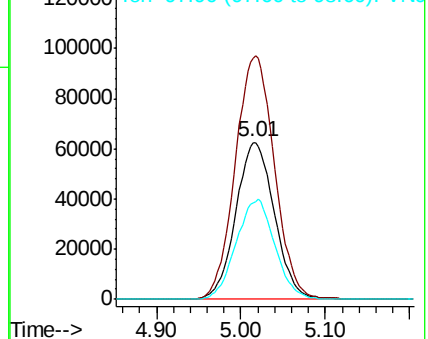


Abundance

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: 55.440 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion: 45 Resp: 759677

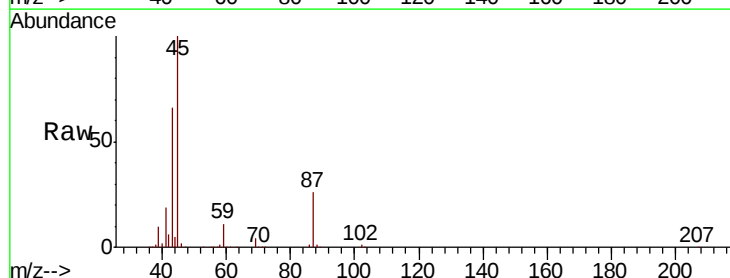
Ion Ratio Lower Upper

45 100

43 65.3 50.6 75.8

87 26.0 21.1 31.7

59 11.4 9.0 13.4



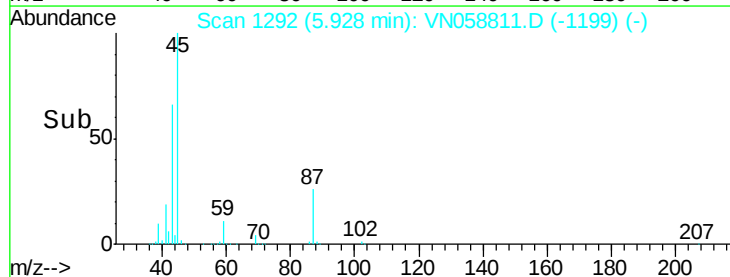
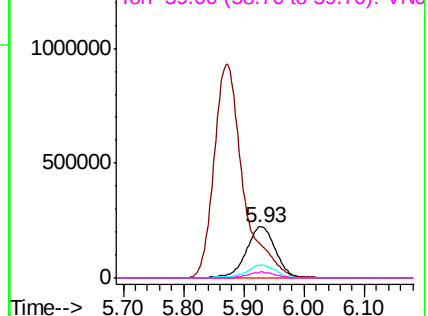
Abundance

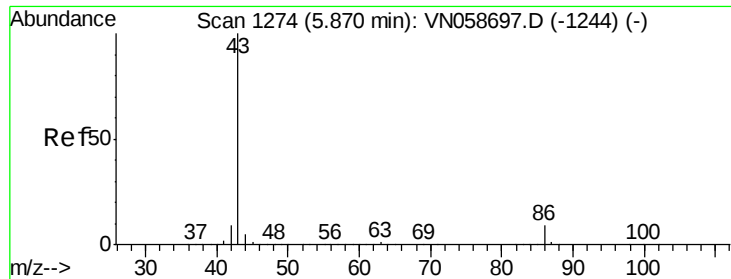
Ion 45.00 (44.70 to 45.70): VN0

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: 279.657 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

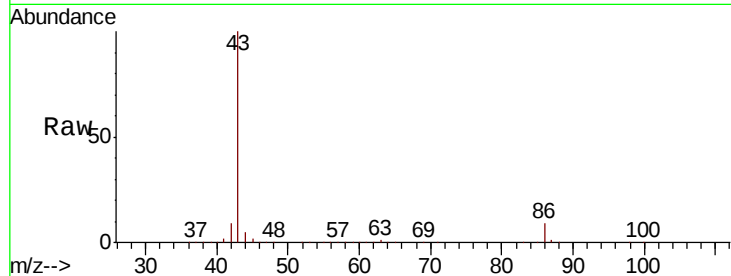
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3092102

Ion Ratio Lower Upper

43 100

86 9.2 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

1000000

800000

600000

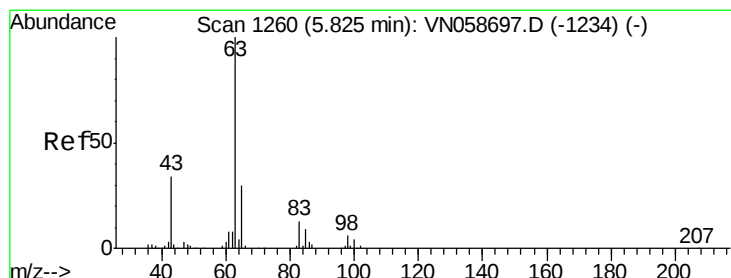
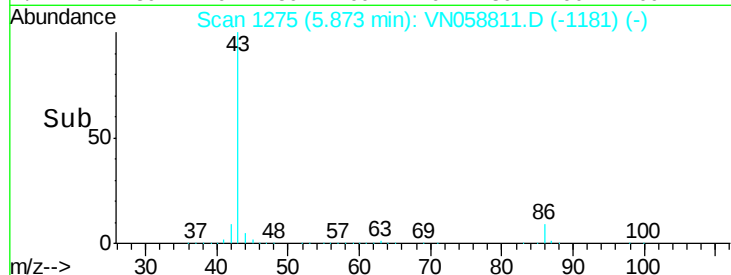
400000

200000

0

Time-->

5.80 5.87 5.94 6.00 6.20



#24

1,1-Dichloroethane

Concen: 53.544 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

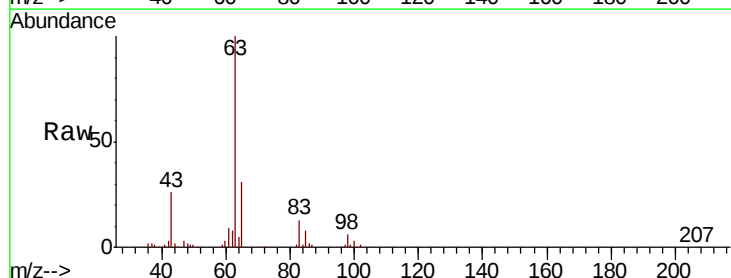
Tgt Ion: 63 Resp: 417869

Ion Ratio Lower Upper

63 100

98 6.3 2.9 8.6

100 3.5 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

150000

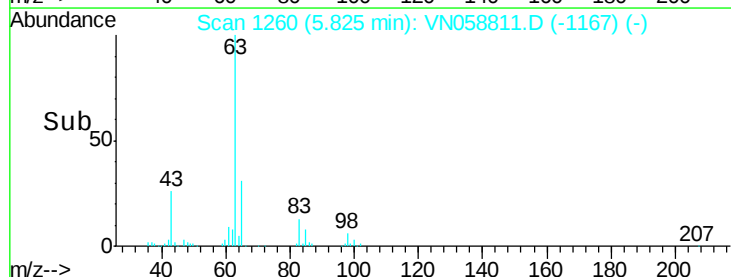
100000

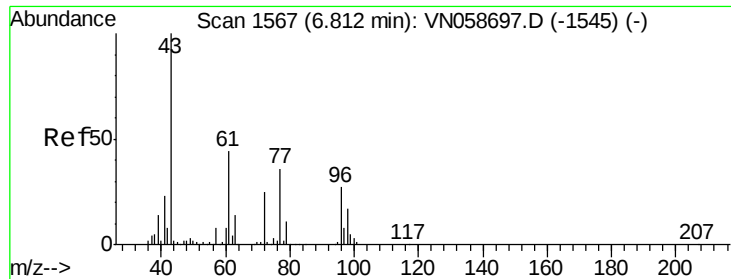
50000

0

Time-->

5.70 5.82 5.90 6.00

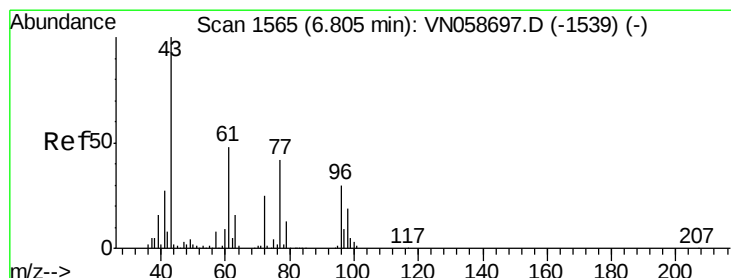
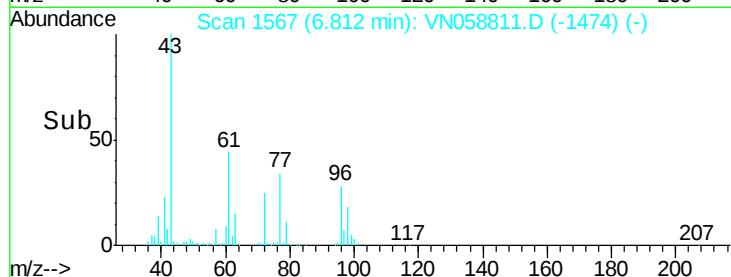
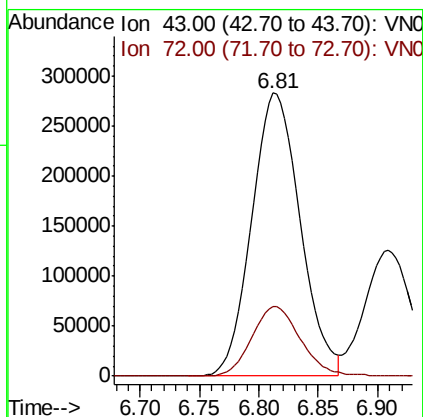
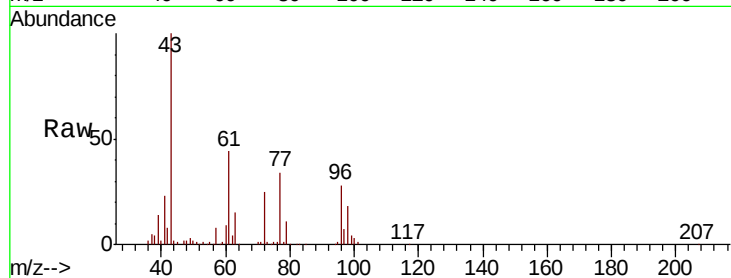




#25
2-Butanone
Concen: 261.967 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

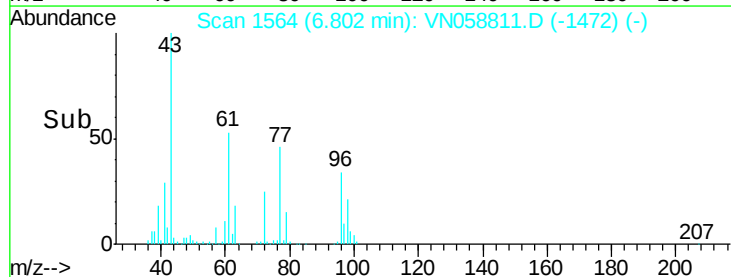
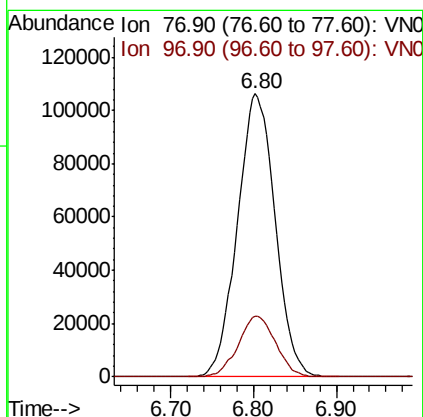
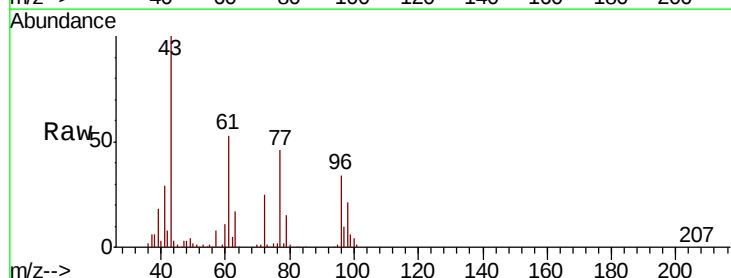
Instrument :
MSVOA_N
ClientSampled :

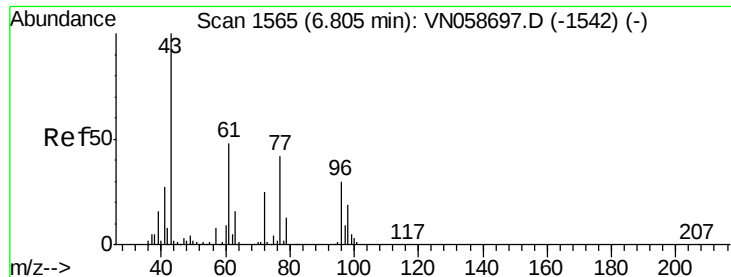
Tot Ion: 43 Resp: 798029
Ion Ratio Lower Upper
43 100
72 24.5 20.2 30.2



#26
2,2-Dichloropropane
Concen: 47.121 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion: 77 Resp: 335688
Ion Ratio Lower Upper
77 100
97 21.3 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 52.020 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :

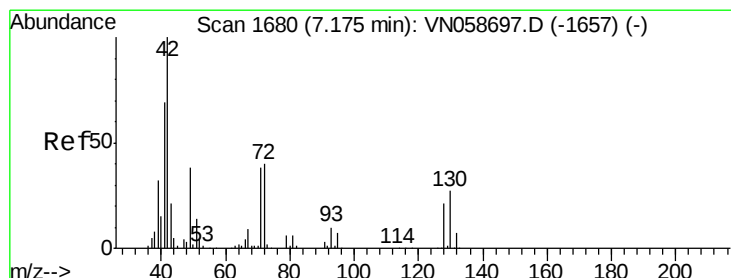
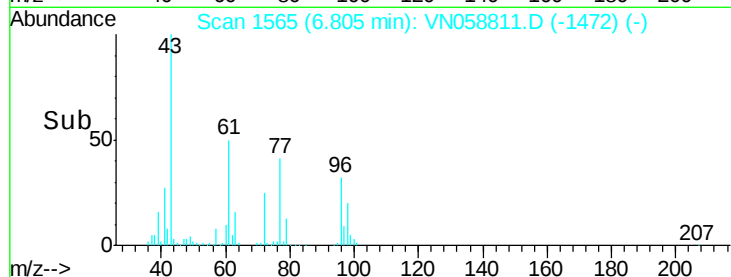
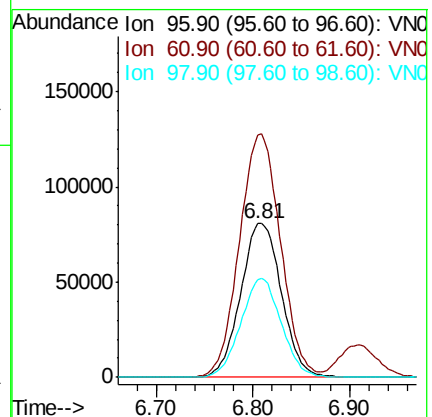
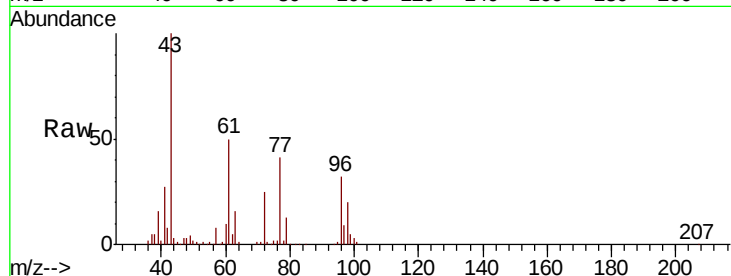
Tot Ion: 96 Resp: 236963

Ion Ratio Lower Upper

96 100

61 159.3 0.0 324.8

98 63.7 0.0 129.2



#28

Bromochloromethane

Concen: 54.721 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

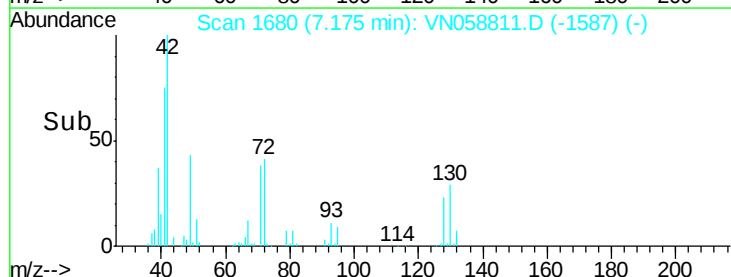
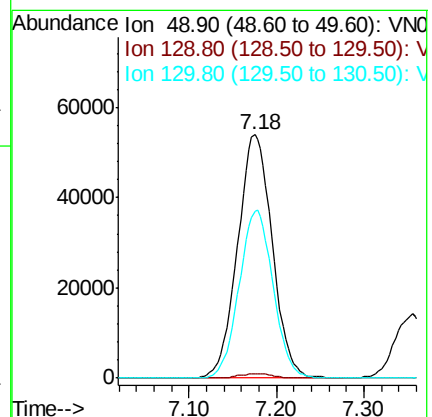
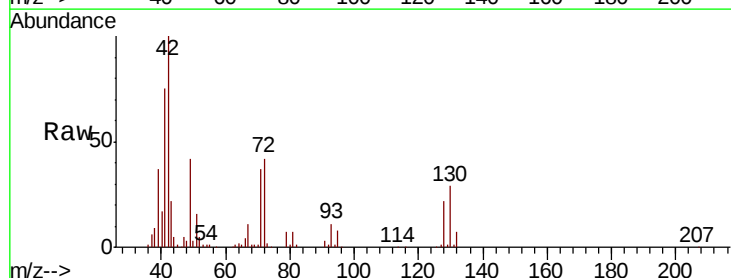
Tgt Ion: 49 Resp: 148569

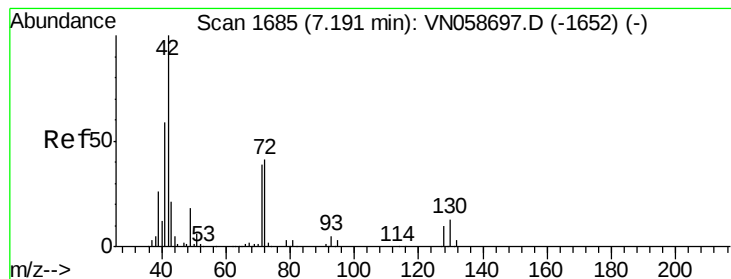
Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

130 67.4 55.0 82.4





#29

Tetrahydrofuran

Concen: 274.984 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampled :

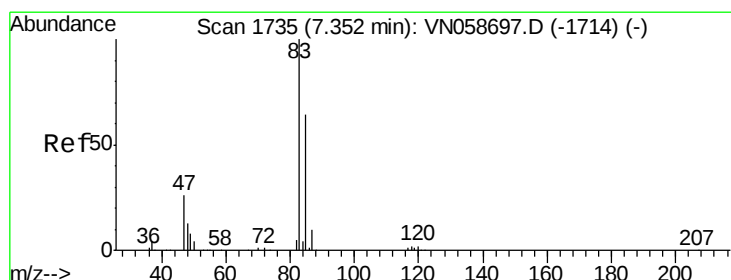
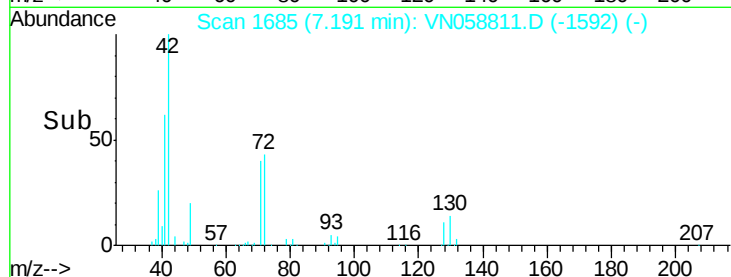
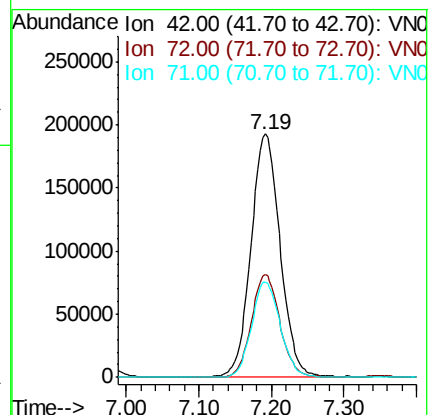
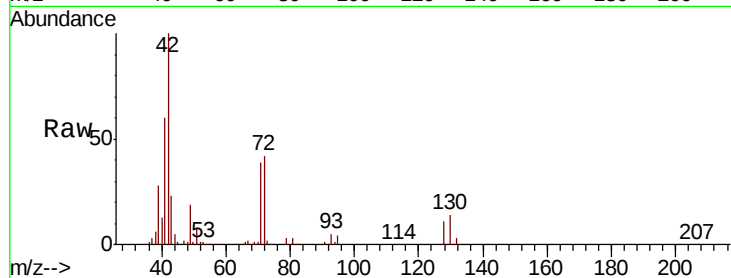
Tot Ion: 42 Resp: 541338

Ion Ratio Lower Upper

42 100

72 41.3 32.8 49.2

71 38.6 31.1 46.7



#30

Chloroform

Concen: 52.995 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058811.D

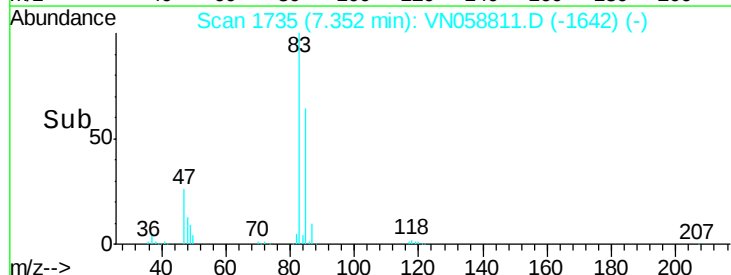
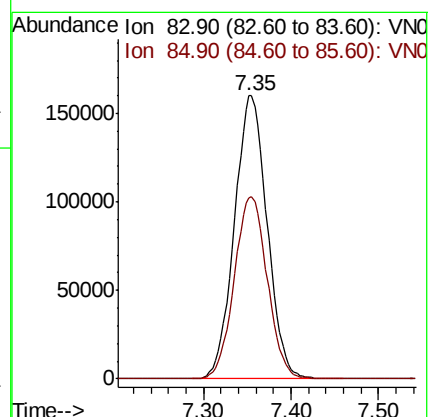
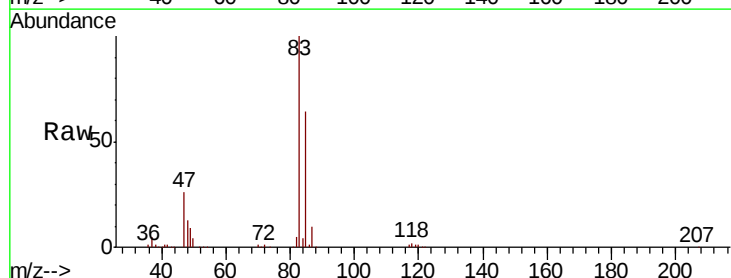
Acq: 16 Oct 2019 18:46

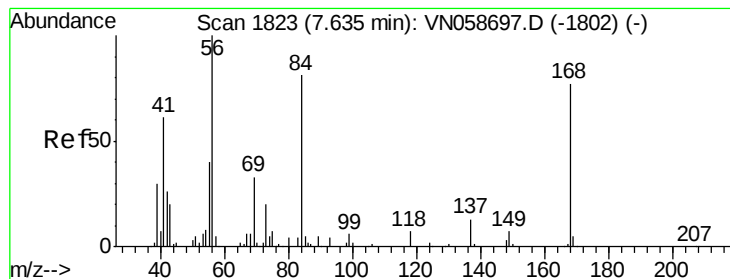
Tgt Ion: 83 Resp: 415529

Ion Ratio Lower Upper

83 100

85 64.1 51.0 76.6





#31

Cyclohexane

Concen: 49.371 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :

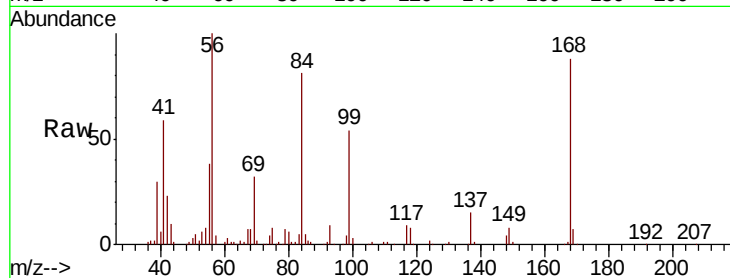
Tot Ion: 56 Resp: 368661

Ion Ratio Lower Upper

56 100

69 32.0 26.2 39.4

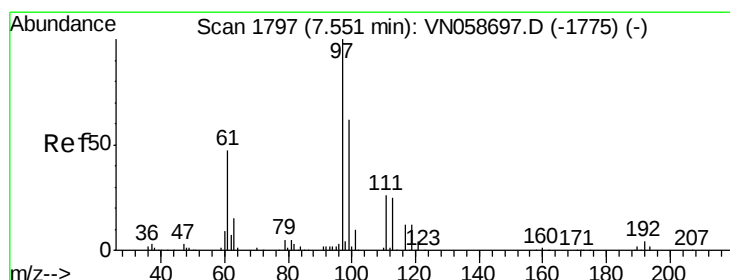
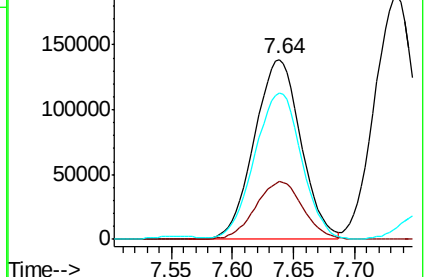
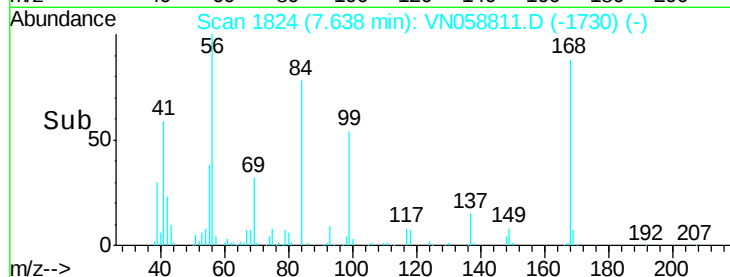
84 79.6 64.9 97.3



Abundance Ion 56.00 (55.70 to 56.70): VN058811.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058811.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058811.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 53.951 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

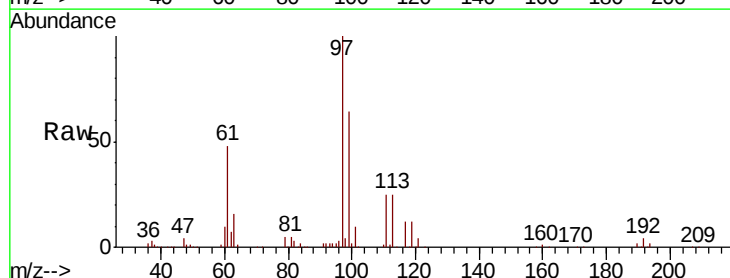
Tgt Ion: 97 Resp: 360761

Ion Ratio Lower Upper

97 100

99 64.5 50.8 76.2

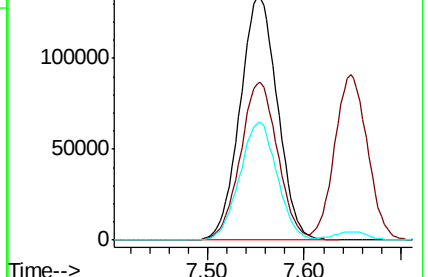
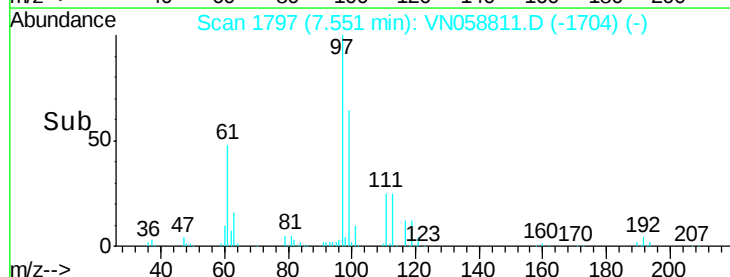
61 48.4 38.1 57.1

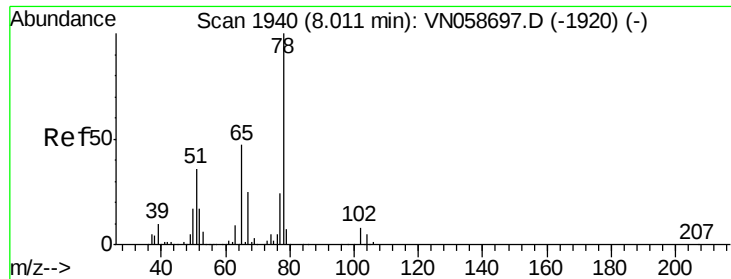


Abundance Ion 96.90 (96.60 to 97.60): VN058811.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN058811.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN058811.D (-1704) (-)





#33

1,2-Dichloroethane-d4

Concen: 53.634 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

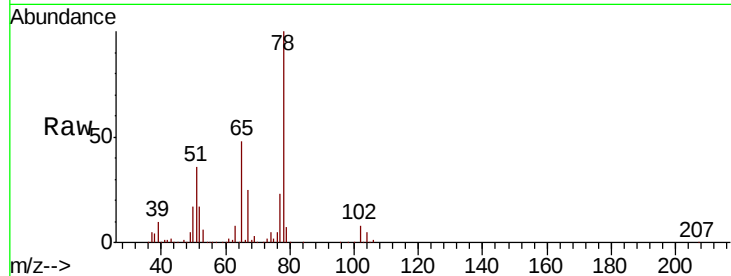
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 273041

Ion Ratio Lower Upper

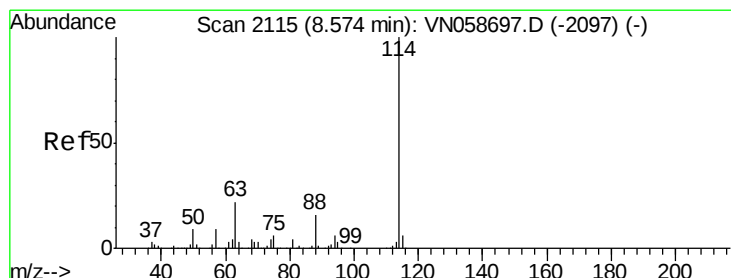
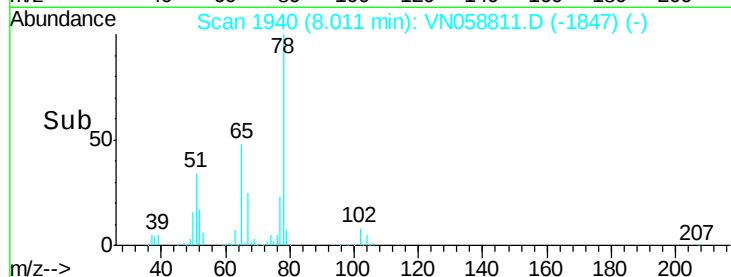
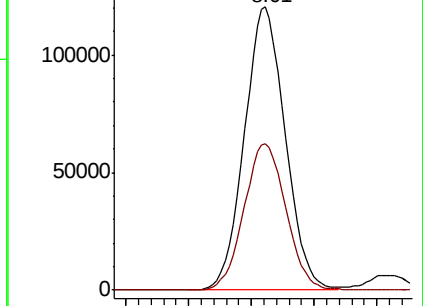
65 100

67 53.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN058811.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058811.D (-1847) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

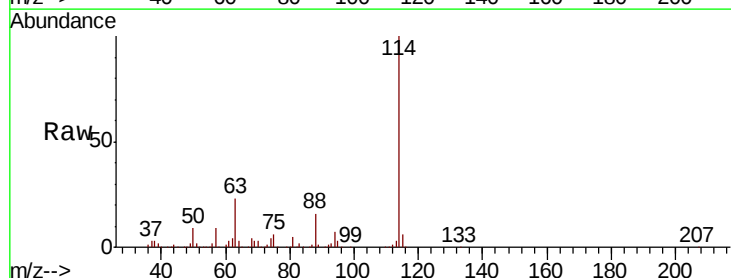
Tgt Ion: 114 Resp: 587746

Ion Ratio Lower Upper

114 100

63 23.3 0.0 43.8

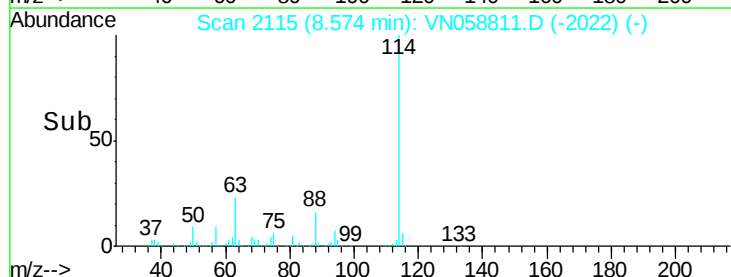
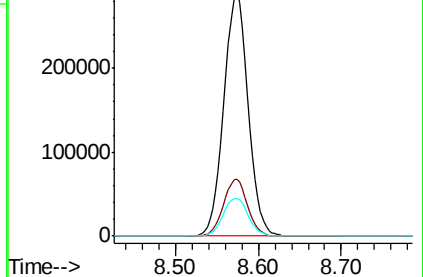
88 15.6 0.0 32.0

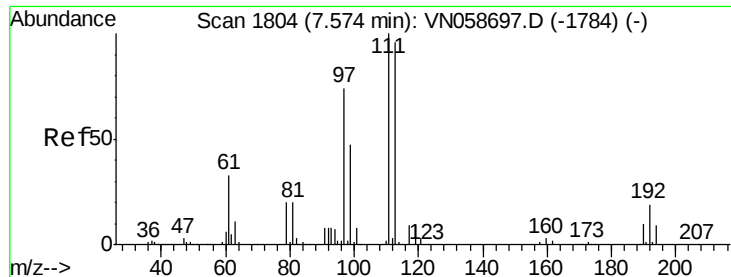


Abundance Ion 113.90 (113.60 to 114.60): VN058811.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058811.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058811.D (-2022) (-)

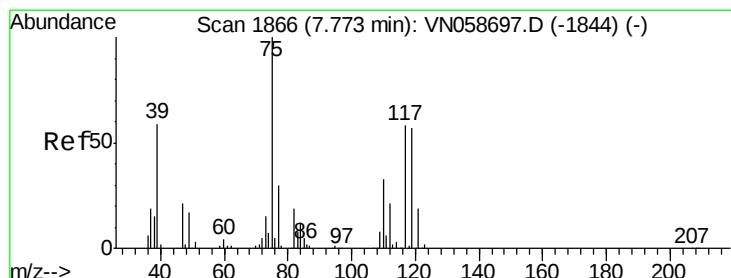
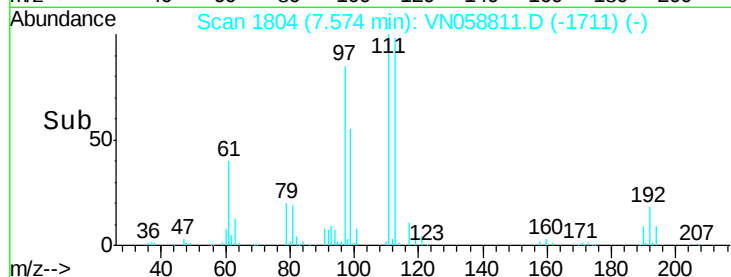
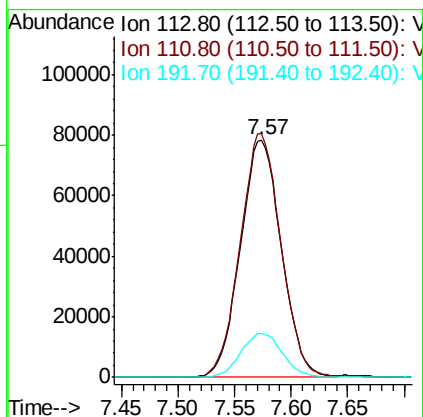
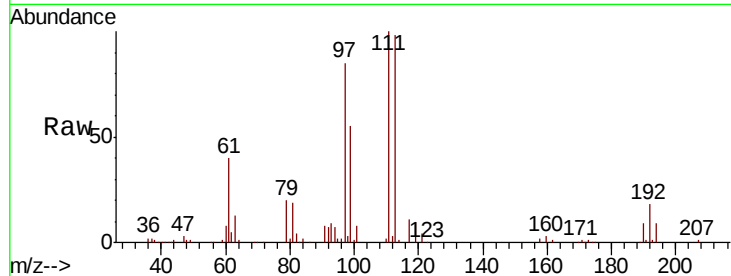




#35
Dibromofluoromethane
Concen: 54.390 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

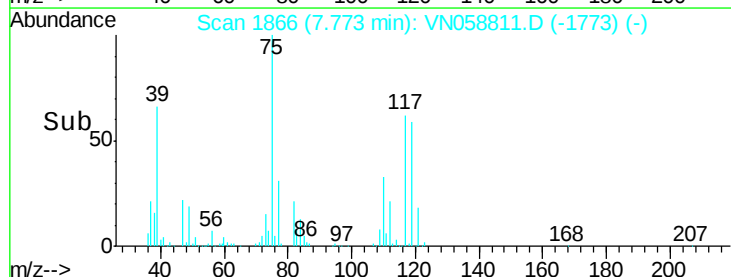
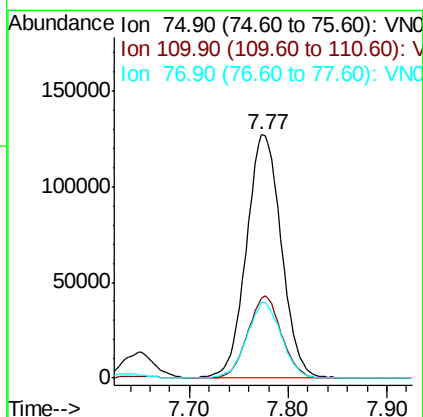
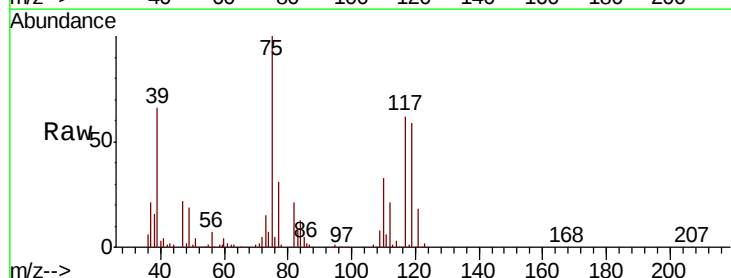
Instrument :
MSVOA_N
ClientSampleId :

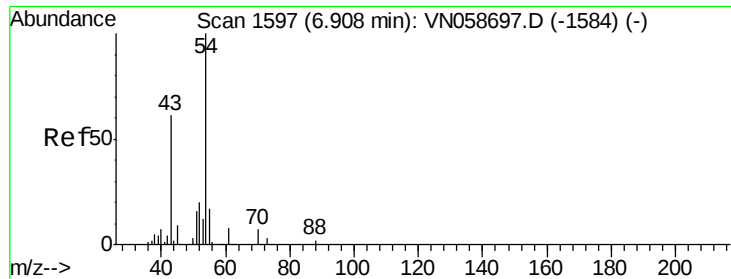
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.3	123.5
192	18.6	15.0	22.6



#36
1,1-Dichloropropene
Concen: 51.917 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.7	16.6	49.8
77	30.5	24.6	37.0

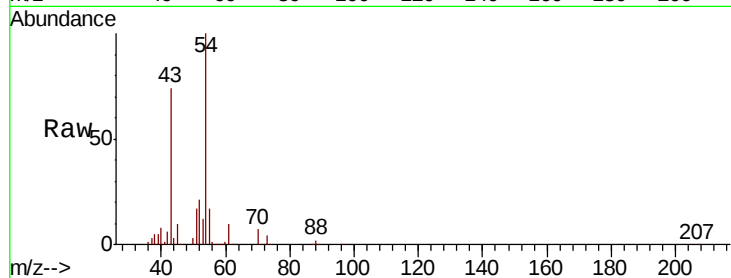




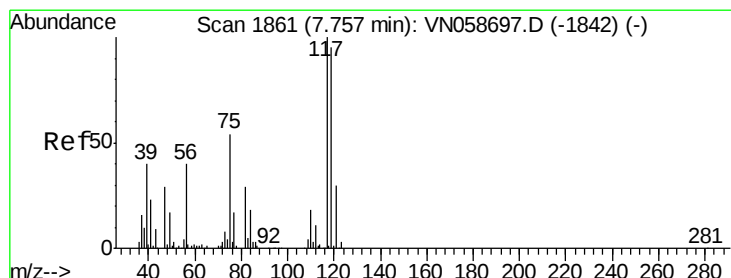
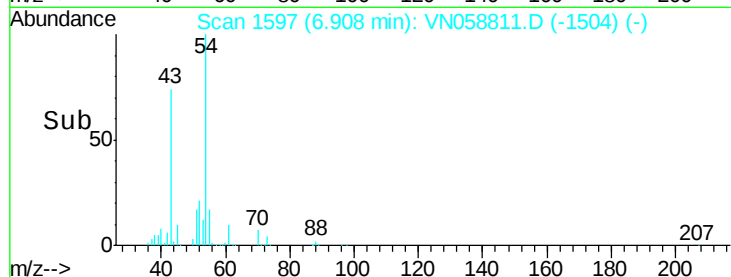
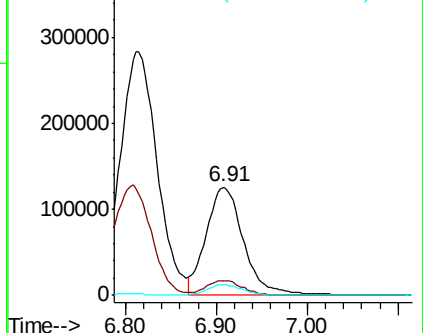
#37
Ethyl Acetate
Concen: 58.612 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 352250
Ion Ratio Lower Upper
43 100
61 13.4 11.3 16.9
70 9.6 7.2 10.8

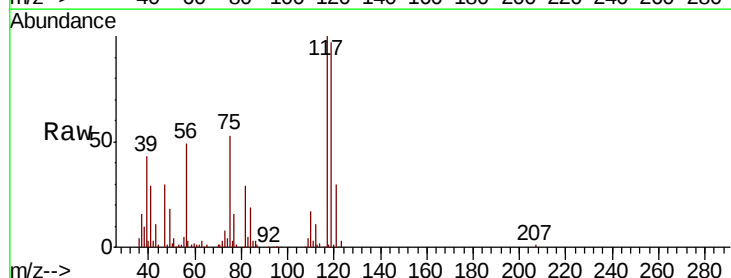


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

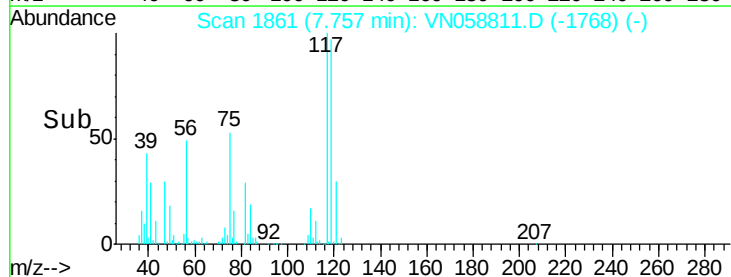
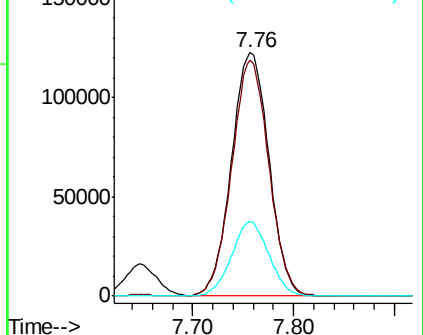


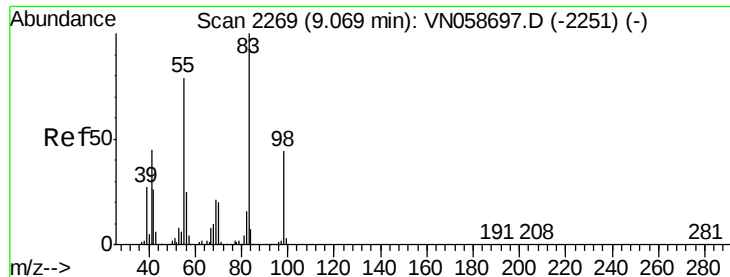
#38
Carbon Tetrachloride
Concen: 54.619 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion: 117 Resp: 316330
Ion Ratio Lower Upper
117 100
119 96.9 75.7 113.5
121 30.5 23.9 35.9



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

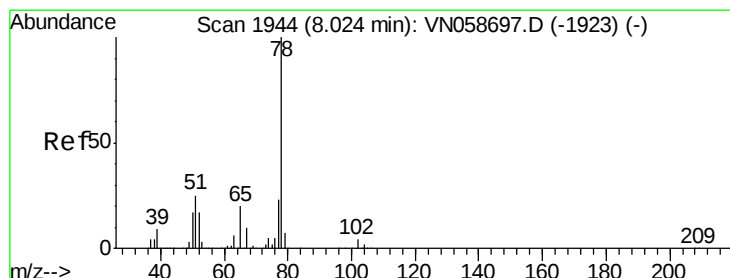
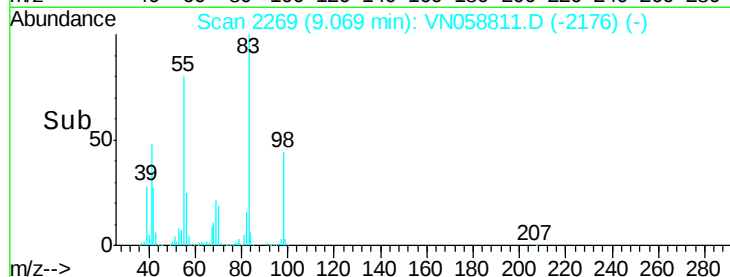
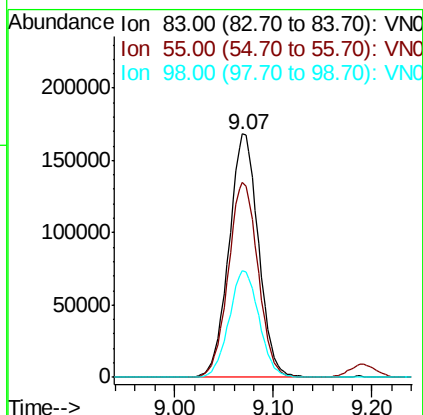
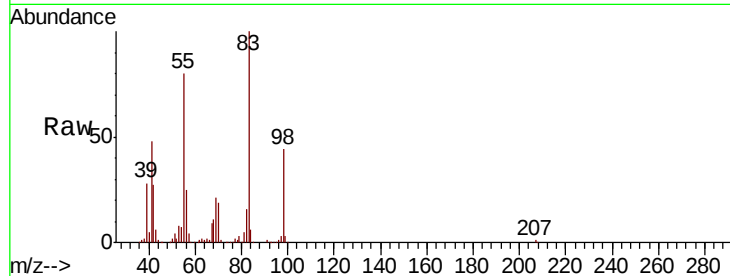




#39
Methvlcvclohexane
Concen: 50.848 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

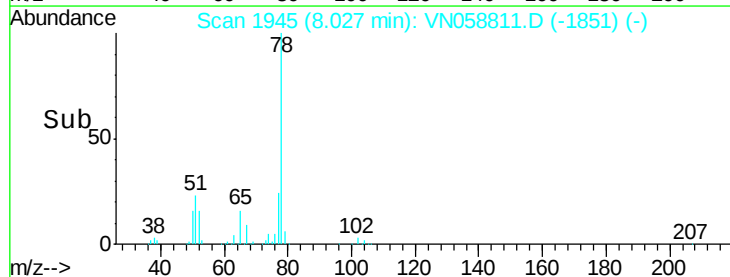
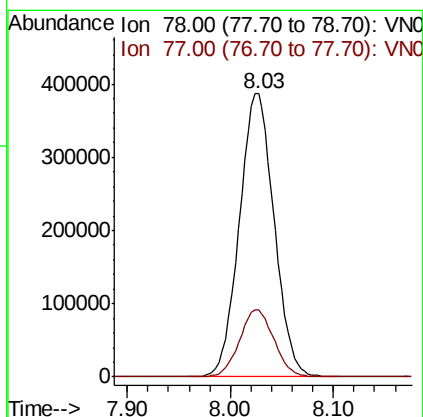
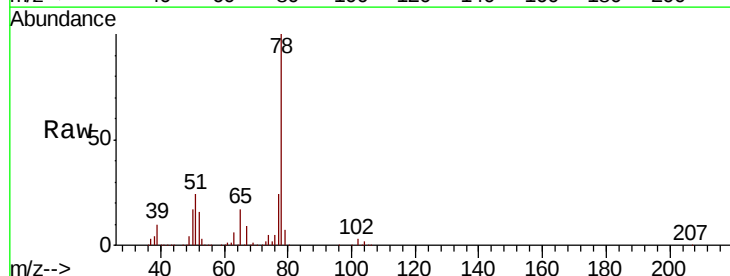
Instrument :
MSVOA_N
ClientSampled :

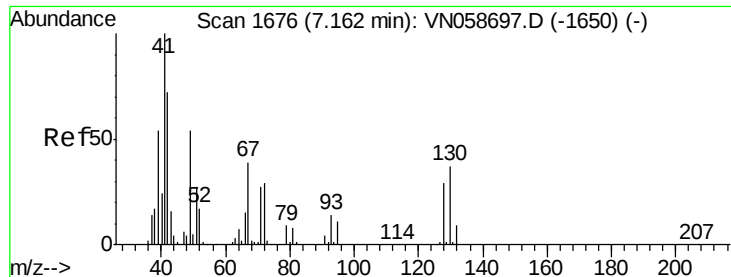
Tot Ion: 83 Resp: 350627
Ion Ratio Lower Upper
83 100
55 80.1 63.4 95.0
98 43.8 35.1 52.7



#40
Benzene
Concen: 53.025 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion: 78 Resp: 904965
Ion Ratio Lower Upper
78 100
77 23.8 18.8 28.2

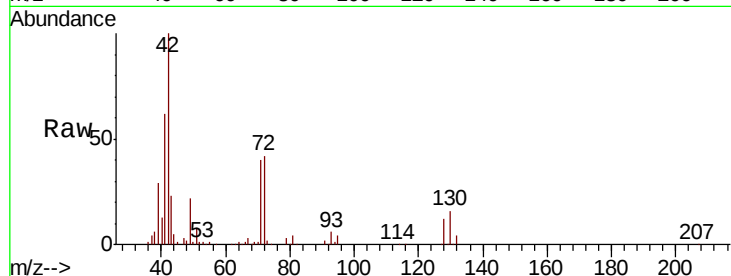




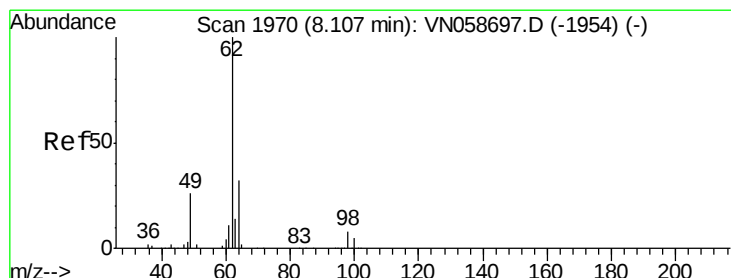
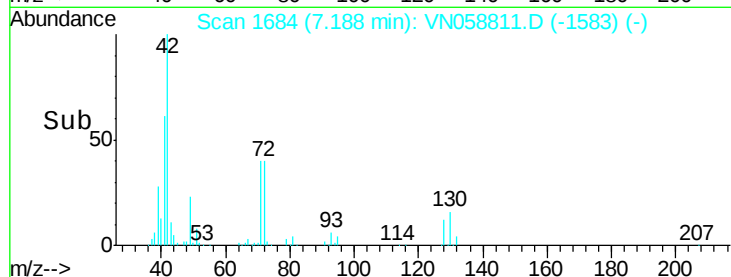
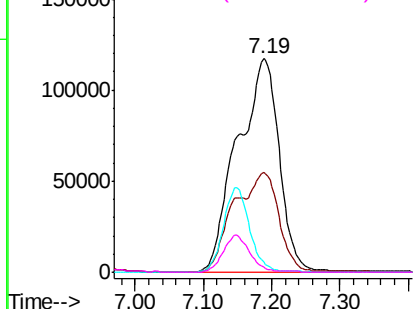
#41
Methacrylonitrile
Concen: 177.147 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampled :

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

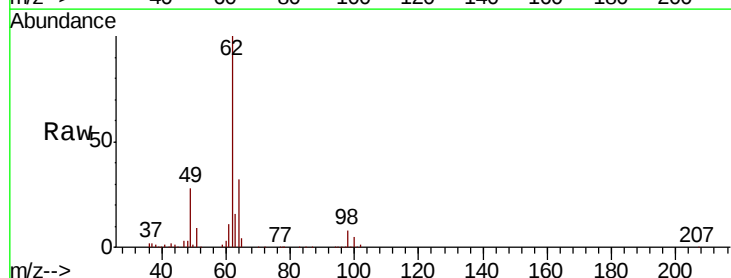


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

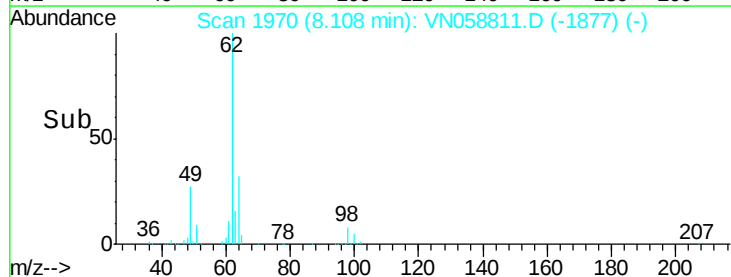
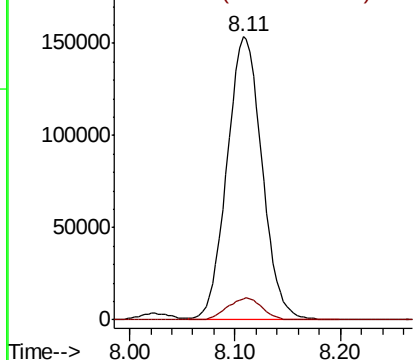


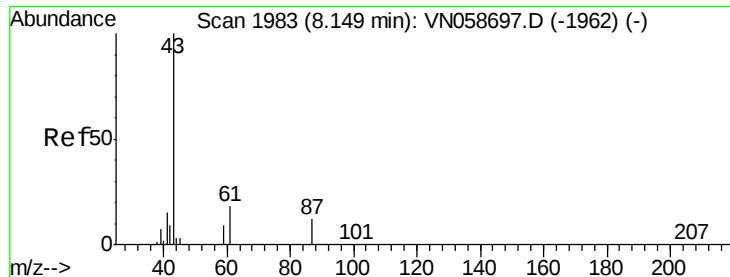
#42
1,2-Dichloroethane
Concen: 53.747 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.6	0.0	15.8



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



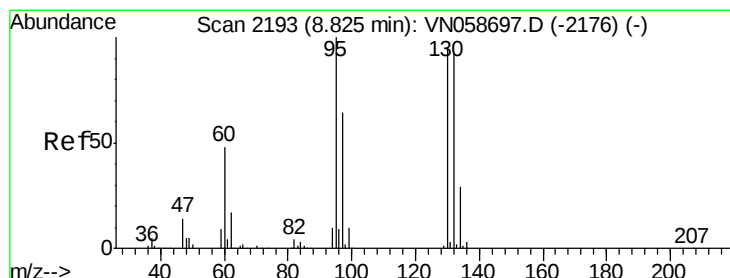
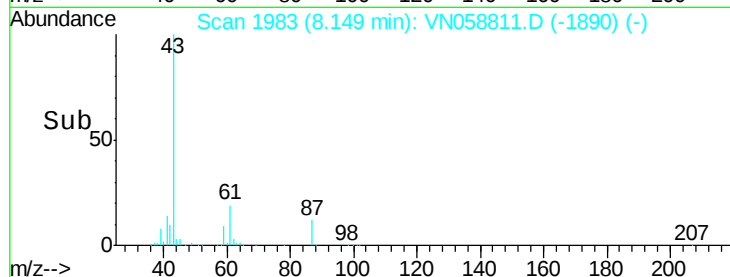
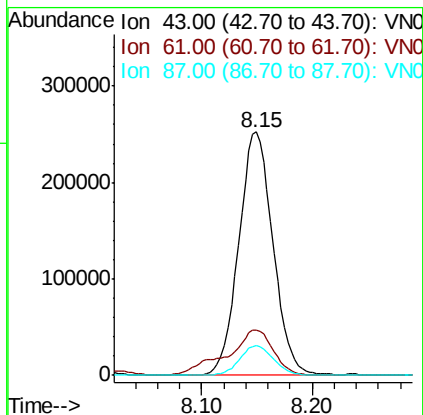
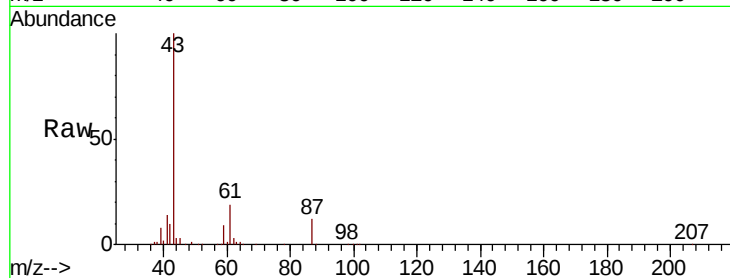


#43

Isopropyl Acetate
 Concen: 52.819 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :

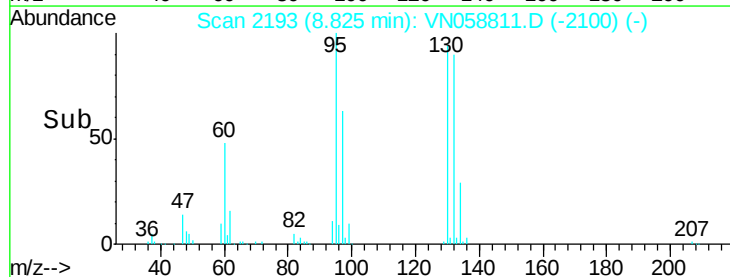
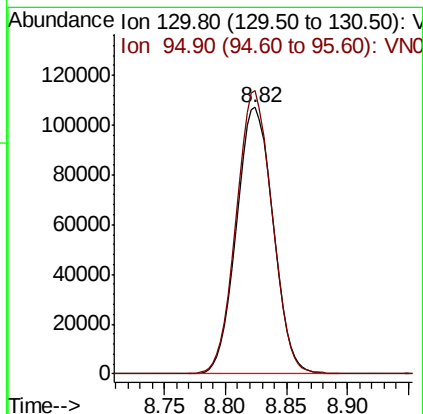
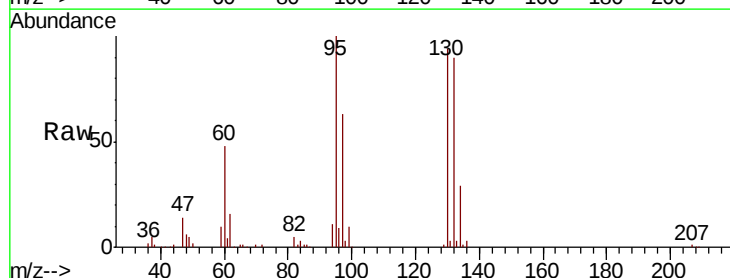
Tot Ion: 43 Resp: 540765
 Ion Ratio Lower Upper
 43 100
 61 25.1 20.3 30.5
 87 12.1 9.8 14.6

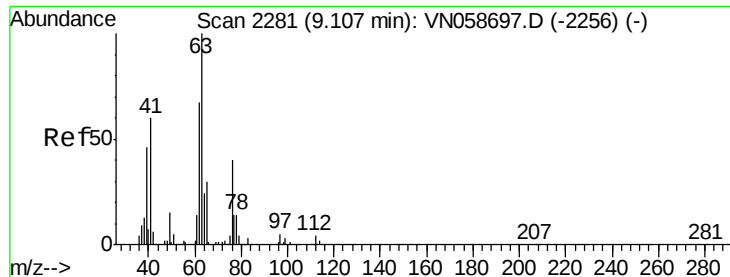


#44

Trichloroethene
 Concen: 52.658 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion: 130 Resp: 223176
 Ion Ratio Lower Upper
 130 100
 95 106.2 0.0 211.2

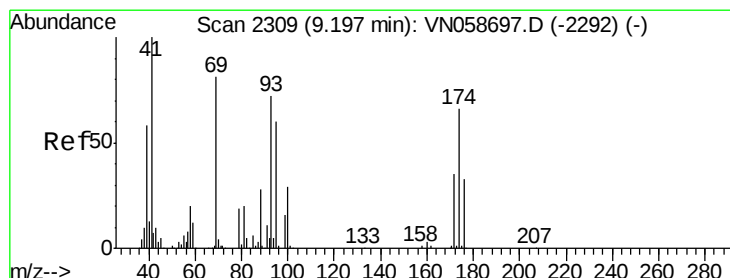
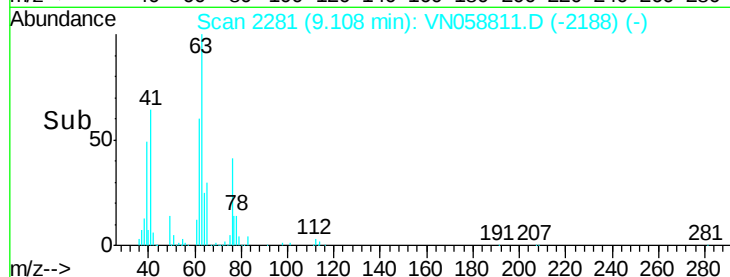
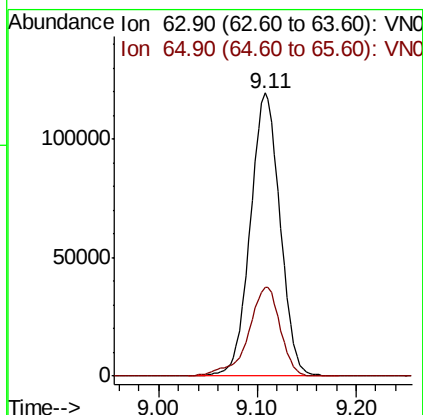
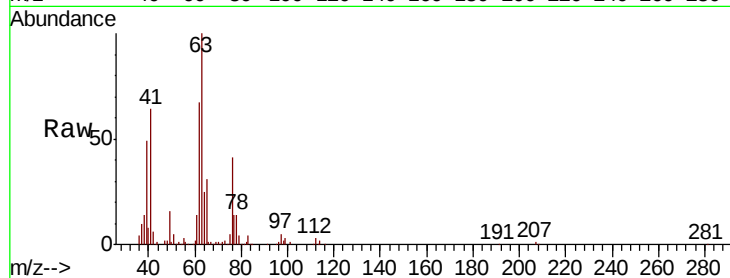




#45
 1,2-Dichloropropane
 Concen: 54.304 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

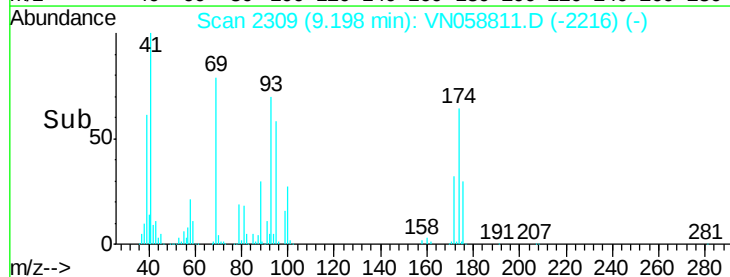
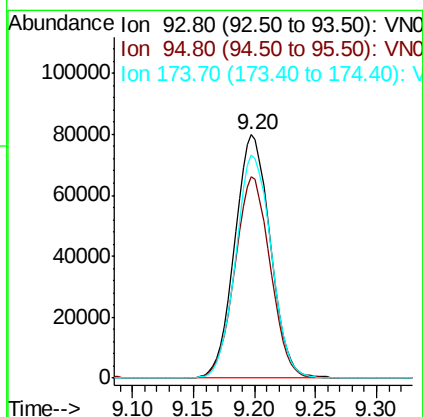
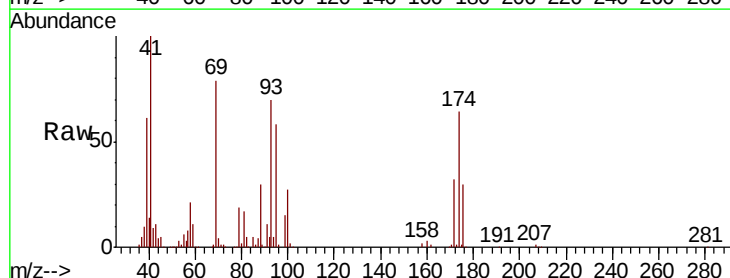
Instrument :
 MSVOA_N
 ClientSampled :

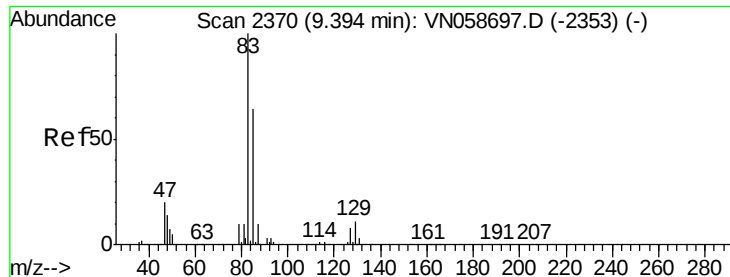
Tot Ion: 63 Resp: 248104
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.1 36.1



#46
 Dibromomethane
 Concen: 55.613 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion: 93 Resp: 161092
 Ion Ratio Lower Upper
 93 100
 95 82.5 66.6 100.0
 174 91.8 75.2 112.8





#47

Bromodichloromethane

Concen: 56.639 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

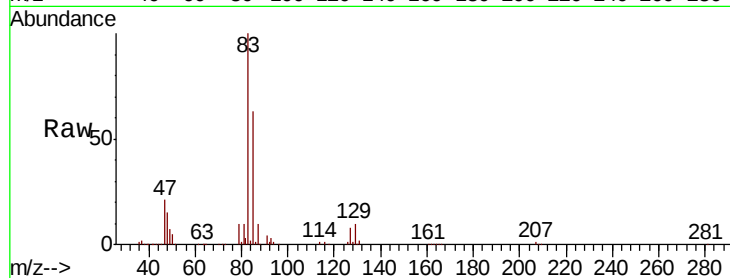
Tot Ion: 83 Resp: 334096

Ion Ratio Lower Upper

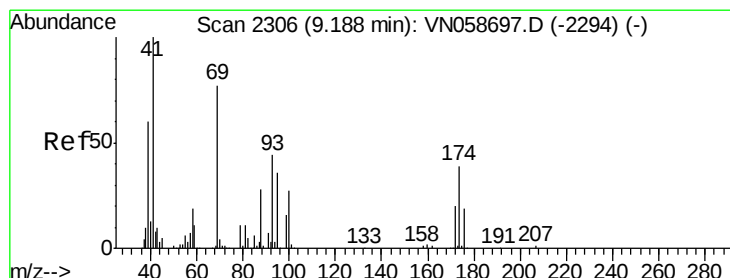
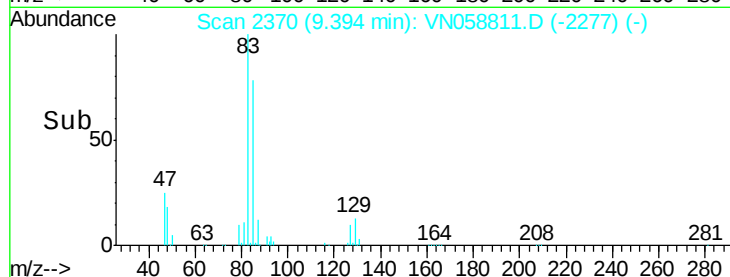
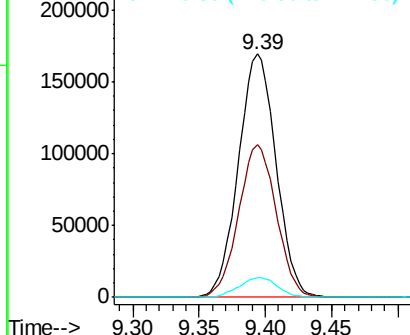
83 100

85 62.7 50.9 76.3

127 8.0 6.3 9.5



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



#48

Methyl methacrylate

Concen: 55.326 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

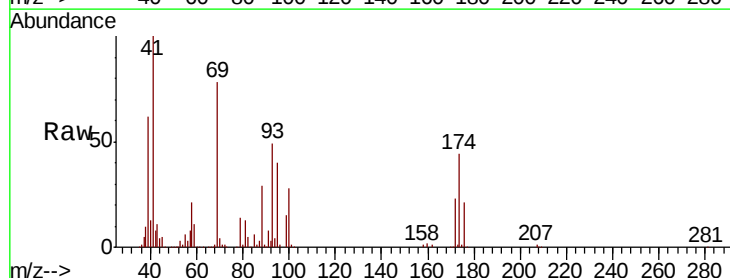
Tgt Ion: 41 Resp: 256759

Ion Ratio Lower Upper

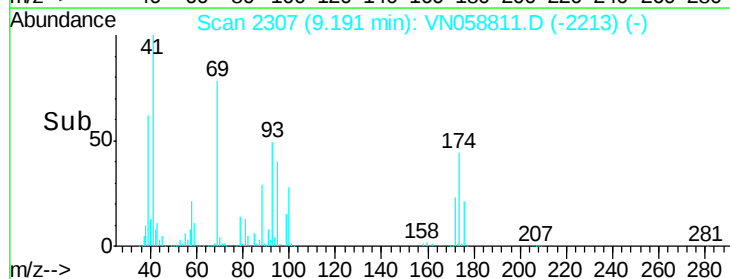
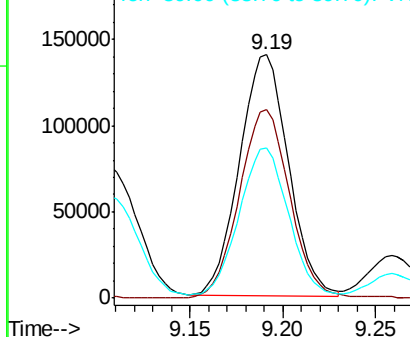
41 100

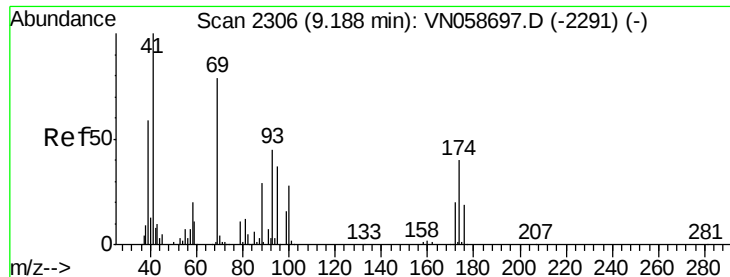
69 80.5 63.4 95.2

39 63.8 48.9 73.3



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





#49

1,4-Dioxane

Concen: 1150.816 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :

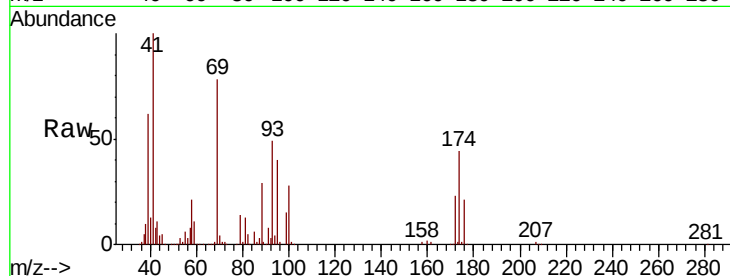
Tot Ion: 88 Resp: 82624

Ion Ratio Lower Upper

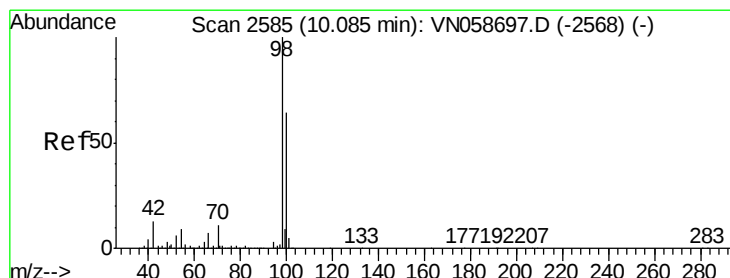
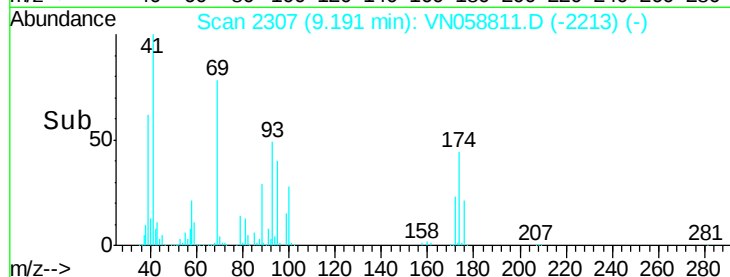
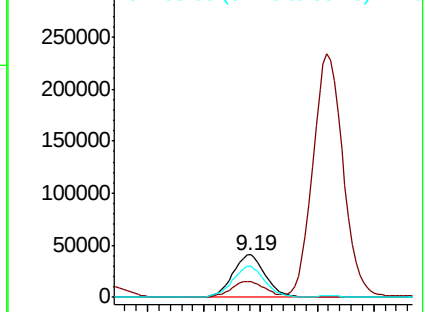
88 100

43 37.2 28.6 43.0

58 71.5 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: 52.228 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058811.D

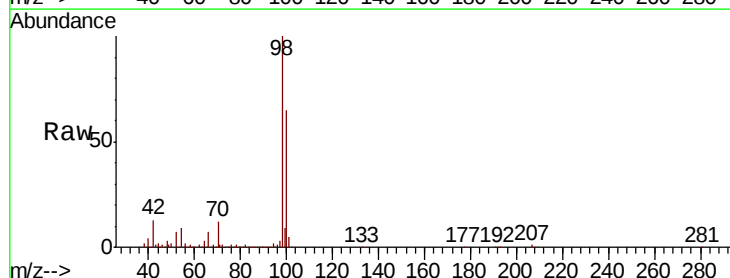
Acq: 16 Oct 2019 18:46

Tgt Ion: 98 Resp: 758212

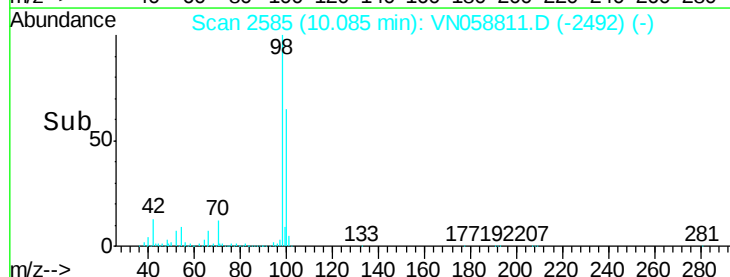
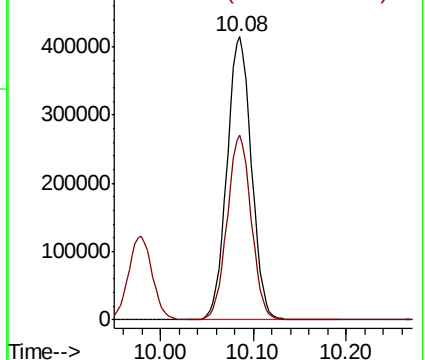
Ion Ratio Lower Upper

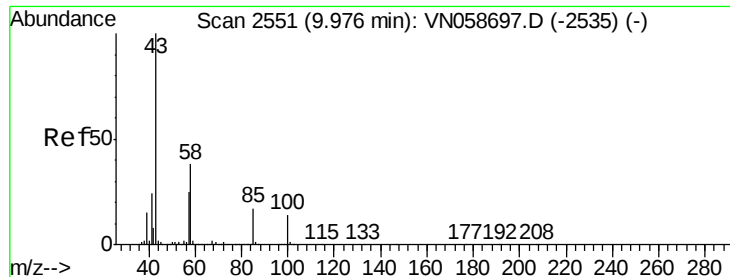
98 100

100 64.2 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: 297.986 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

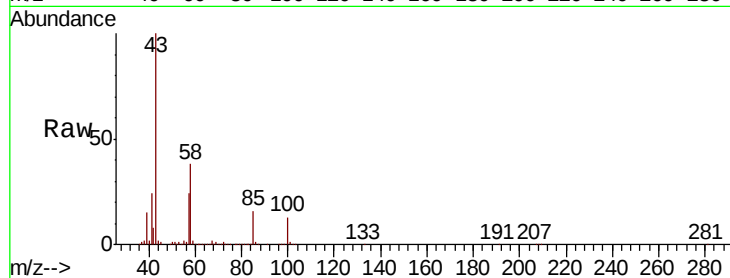
ClientSampleId :

Tot Ion: 43 Resp: 1713369

Ion Ratio Lower Upper

43 100

58 37.2 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) (-)

9.98

800000

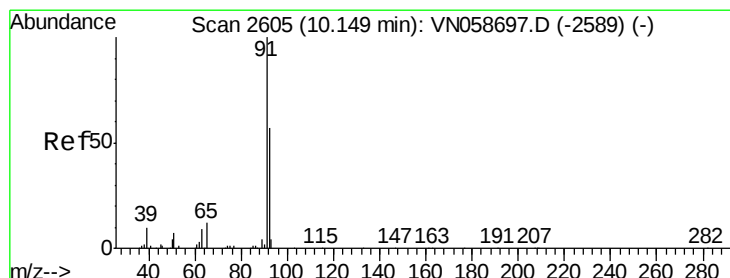
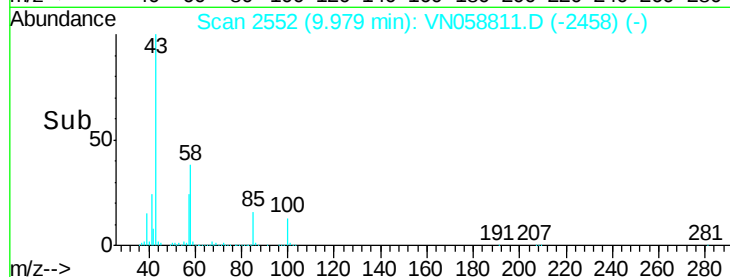
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 52.966 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058811.D

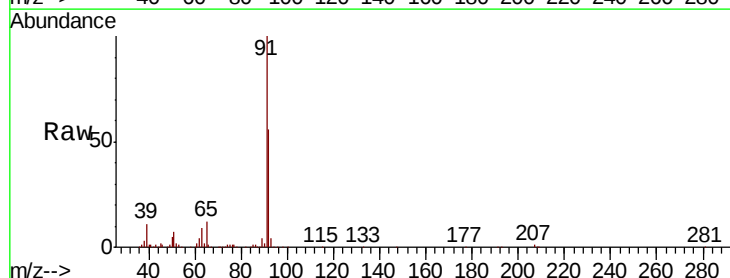
Acq: 16 Oct 2019 18:46

Tgt Ion: 92 Resp: 552882

Ion Ratio Lower Upper

92 100

91 176.9 139.1 208.7



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

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

10.15

600000

500000

400000

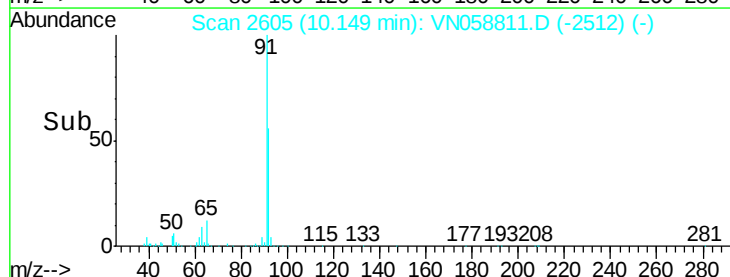
300000

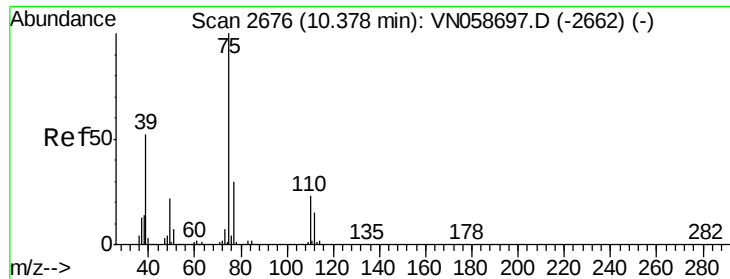
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.046 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

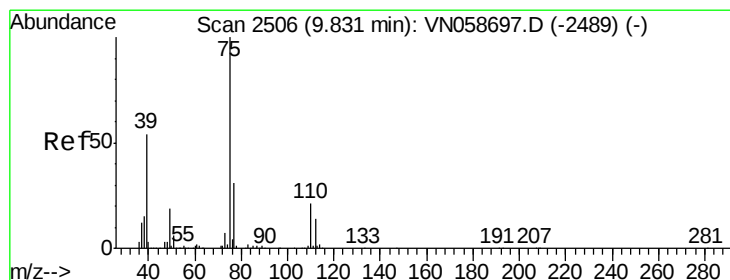
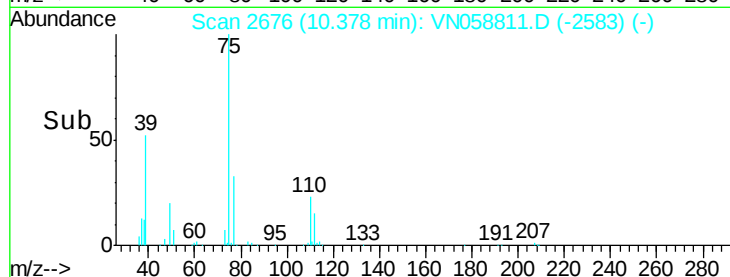
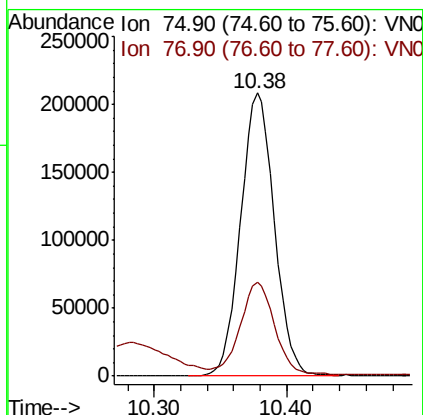
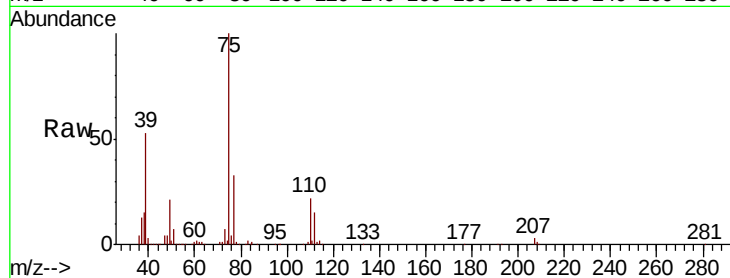
ClientSampleId :

Tot Ion: 75 Resp: 365640

Ion Ratio Lower Upper

75 100

77 32.6 26.2 39.4



#54

cis-1,3-Dichloropropene

Concen: 52.794 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

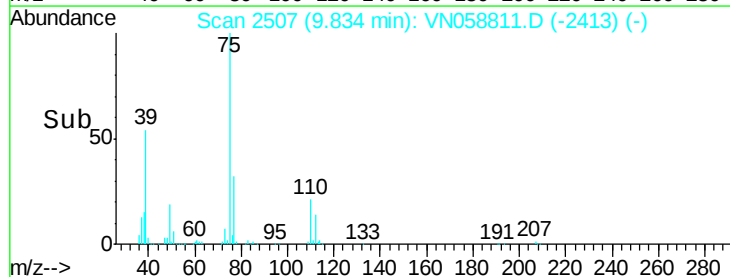
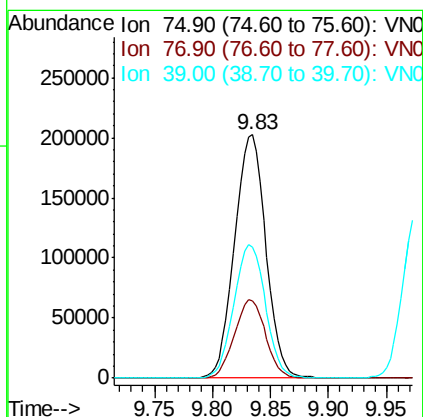
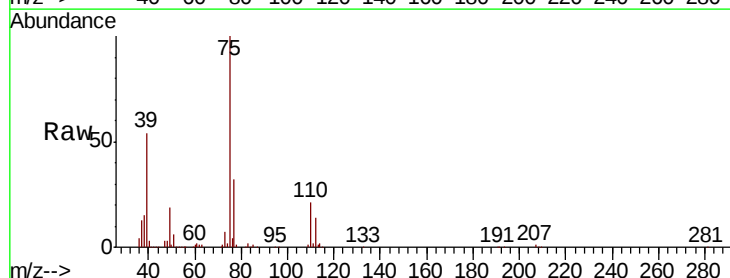
Tgt Ion: 75 Resp: 379226

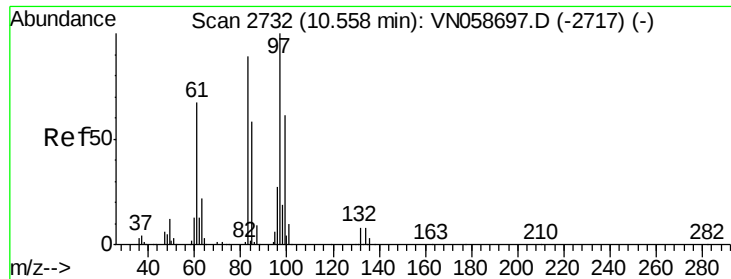
Ion Ratio Lower Upper

75 100

77 31.8 24.4 36.6

39 53.9 43.1 64.7

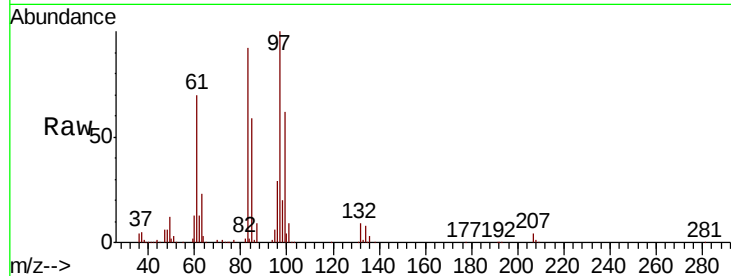




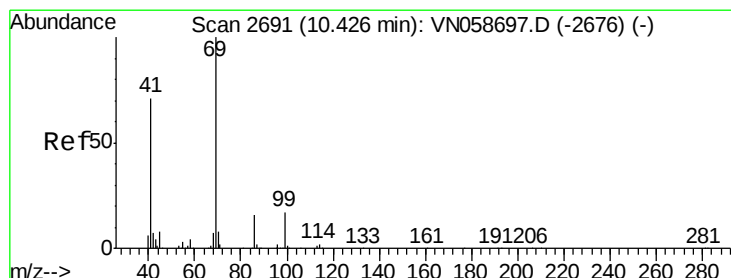
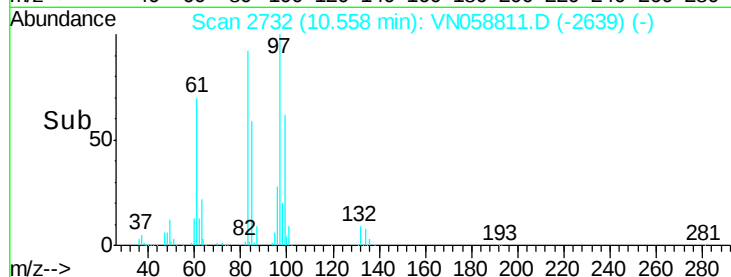
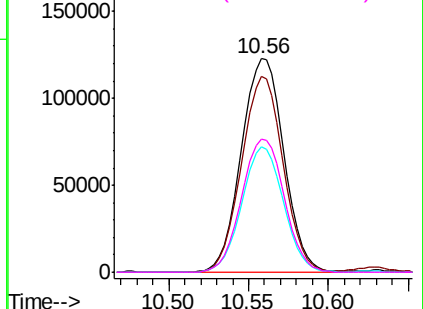
#55
 1,1,2-Trichloroethane
 Concen: 52.316 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	97	Resp:	223515
Ion	Ratio	Lower	Upper
97	100		
83	91.7	71.2	106.8
85	58.8	46.7	70.1
99	62.5	49.0	73.6

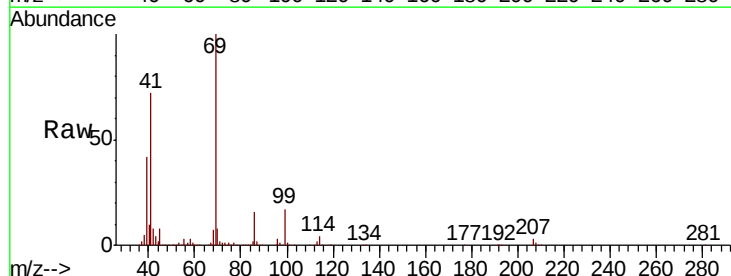


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

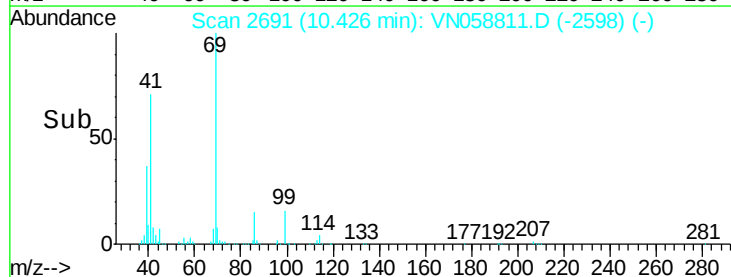
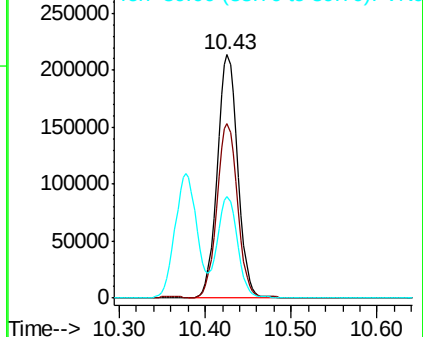


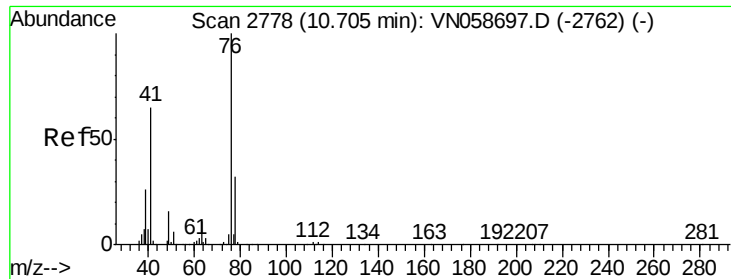
#56
 Ethyl methacrylate
 Concen: 56.649 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion:	69	Resp:	353584
Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.8	85.2
39	40.9	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





#57

1,3-Dichloropropane

Concen: 54.455 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

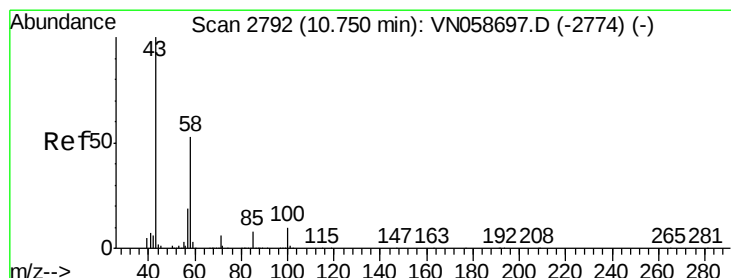
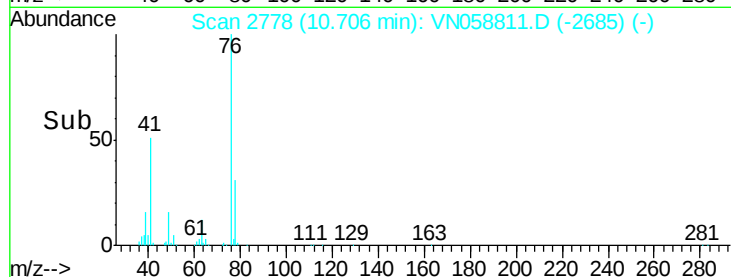
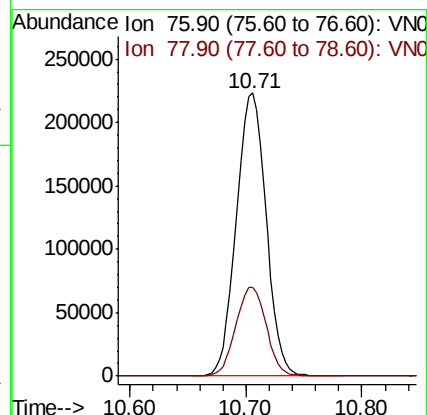
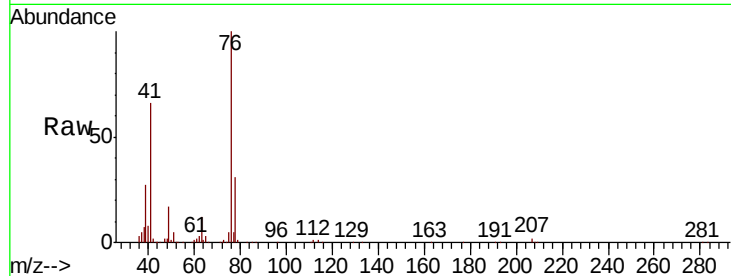
ClientSampleId :

Tot Ion: 76 Resp: 396452

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9



#59

2-Hexanone

Concen: 285.347 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058811.D

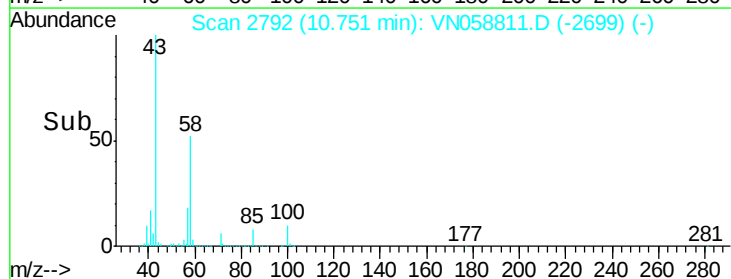
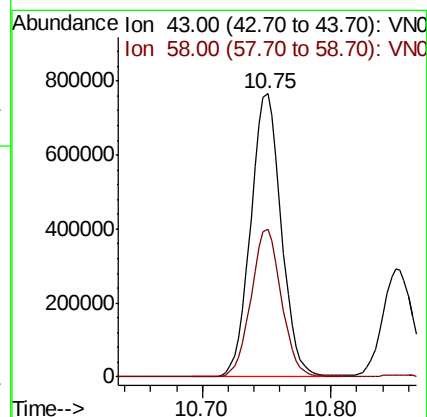
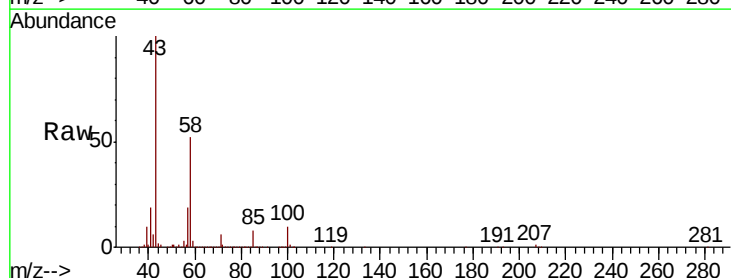
Acq: 16 Oct 2019 18:46

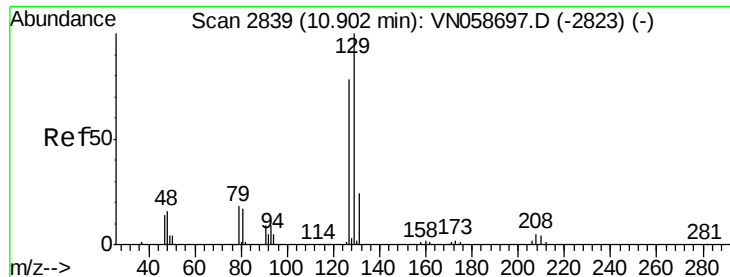
Tgt Ion: 43 Resp: 1267937

Ion Ratio Lower Upper

43 100

58 51.7 26.1 78.3





#60

Dibromochloromethane

Concen: 56.222 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

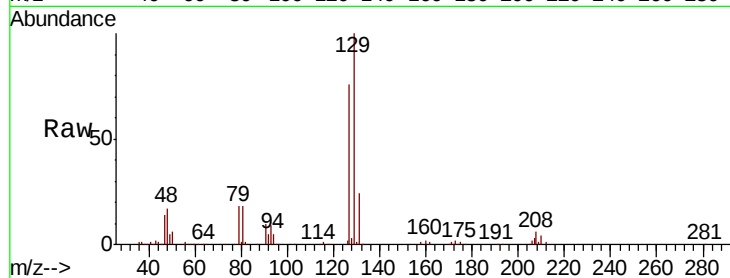
ClientSampleId :

Tot Ion:129 Resp: 247786

Ion Ratio Lower Upper

129 100

127 76.6 38.5 115.3



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.90

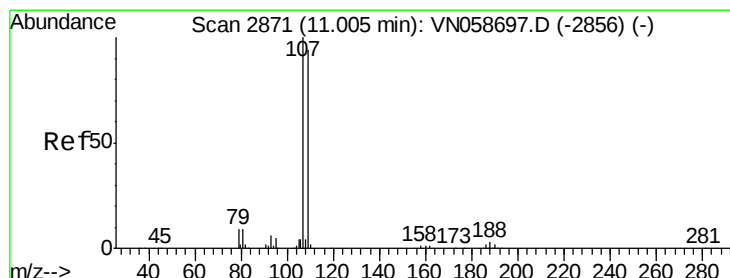
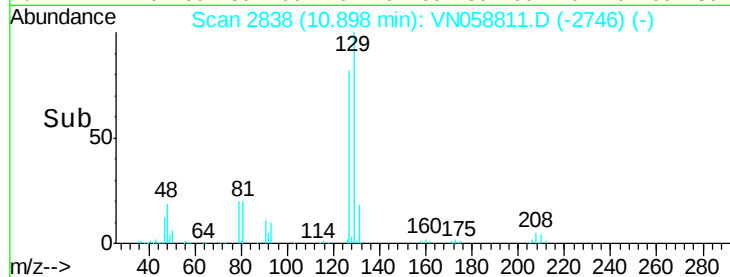
150000

100000

50000

0

Time--> 10.80 10.90 11.00



#61

1,2-Dibromoethane

Concen: 53.560 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058811.D

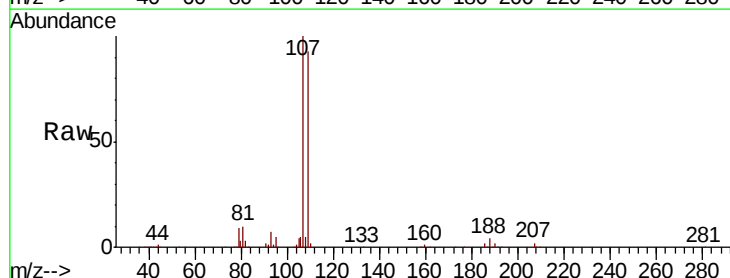
Acq: 16 Oct 2019 18:46

Tgt Ion:107 Resp: 229247

Ion Ratio Lower Upper

107 100

109 95.0 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

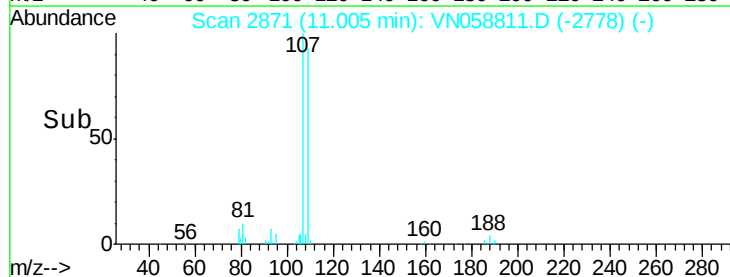
150000

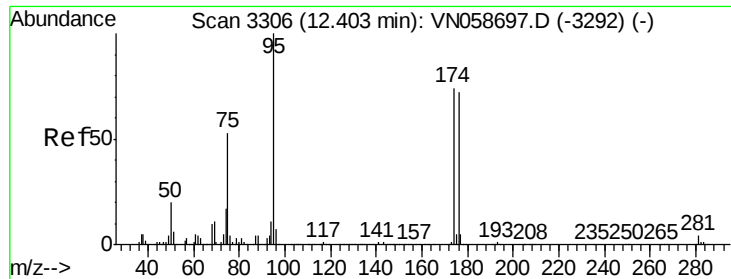
100000

50000

0

Time--> 10.90 11.00 11.10





#62

4-Bromofluorobenzene

Concen: 52.161 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

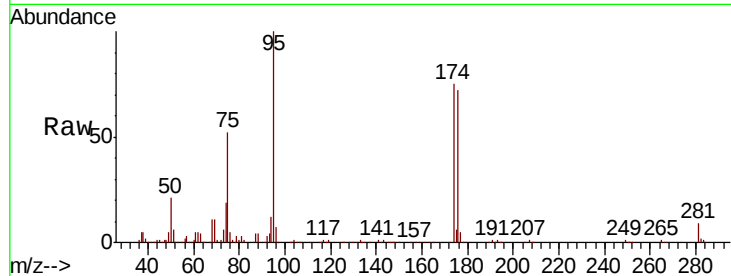
Tot Ion: 95 Resp: 286640

Ion Ratio Lower Upper

95 100

174 74.9 0.0 150.4

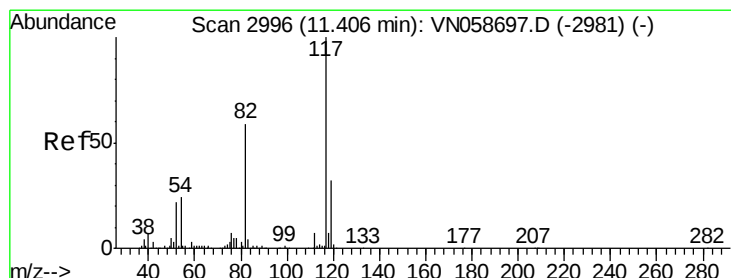
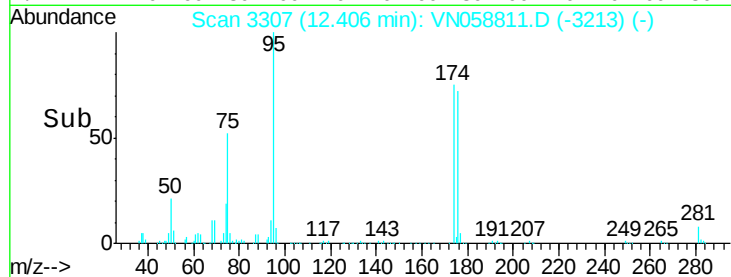
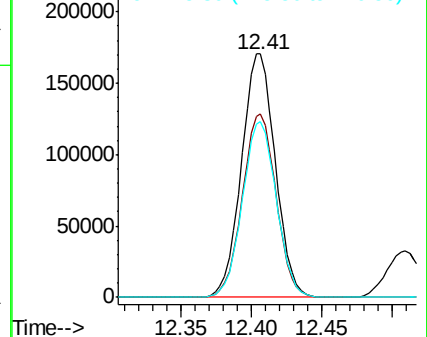
176 72.6 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

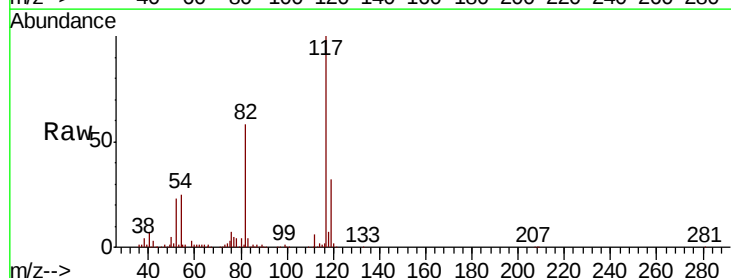
Tgt Ion: 117 Resp: 555122

Ion Ratio Lower Upper

117 100

82 58.1 47.0 70.4

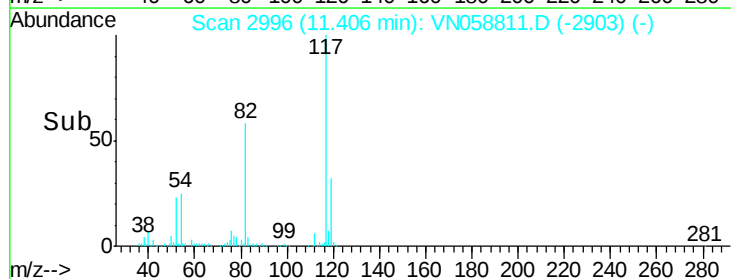
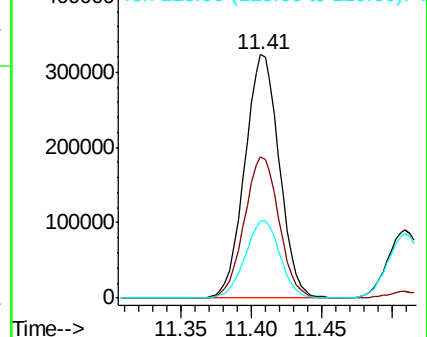
119 31.8 25.4 38.2

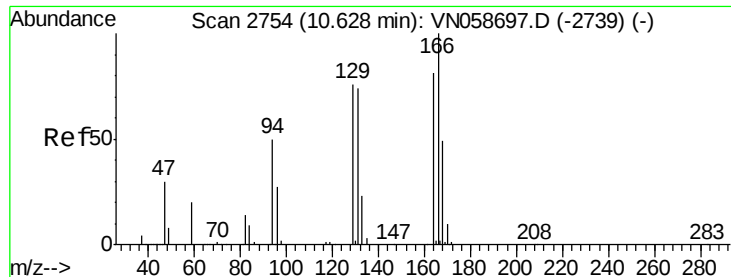


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

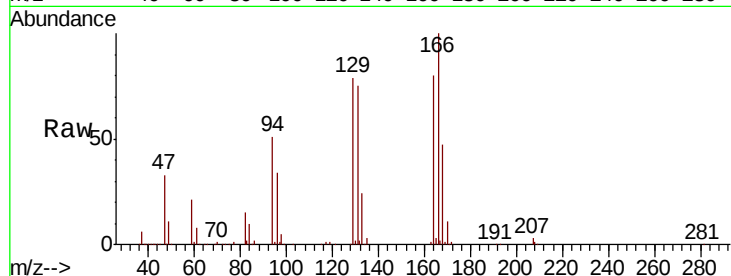




#64
Tetrachloroethene
Concen: 48.678 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
166	124.7	99.3	148.9
129	98.6	75.2	112.8
131	94.1	73.0	109.4



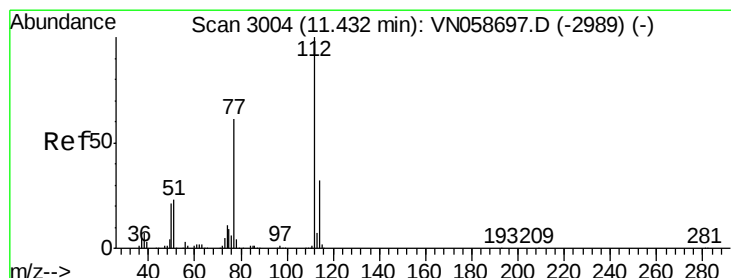
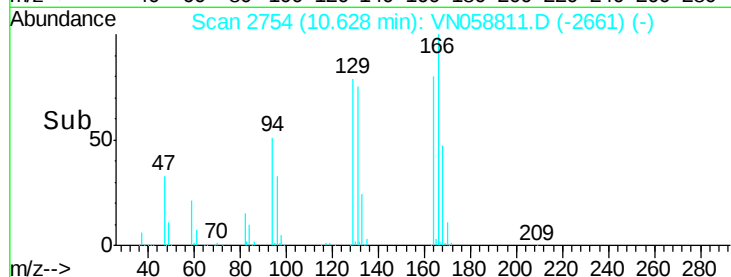
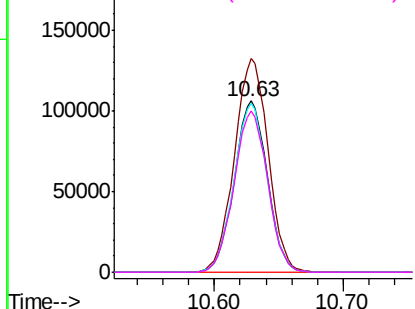
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

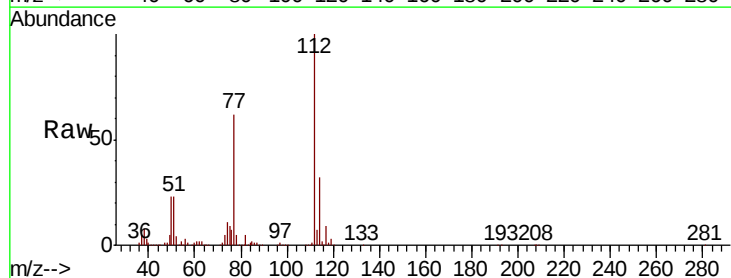
Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65
Chlorobenzene
Concen: 51.827 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

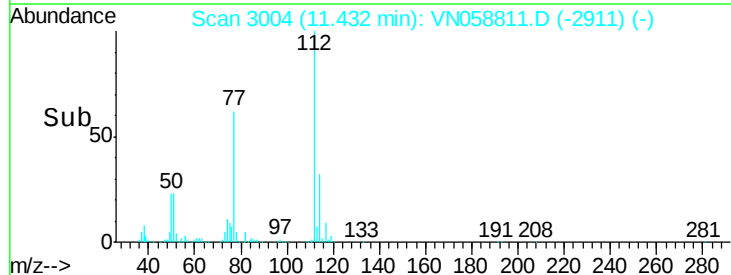
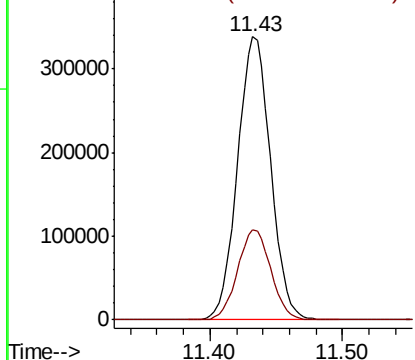
Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	25.2	37.8

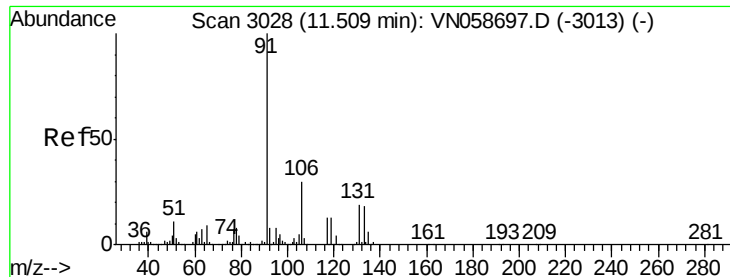


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 53.883 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

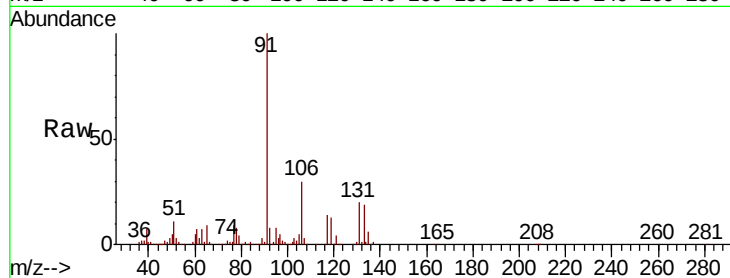
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:131 Resp: 224616

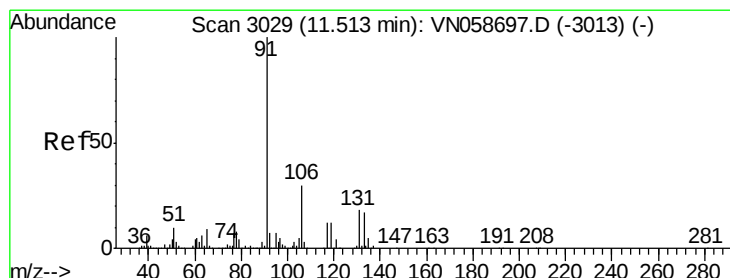
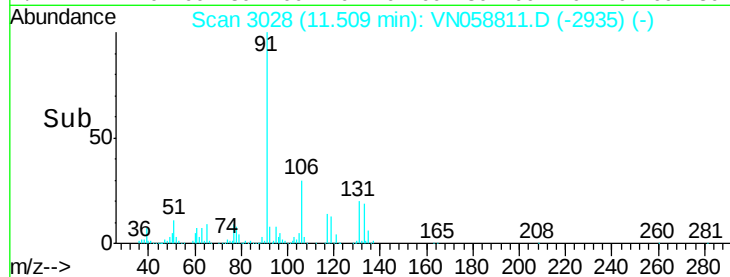
Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.6	142.9
119	65.8	33.0	98.9



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 54.081 ug/l

RT: 11.51 min Scan# 3029

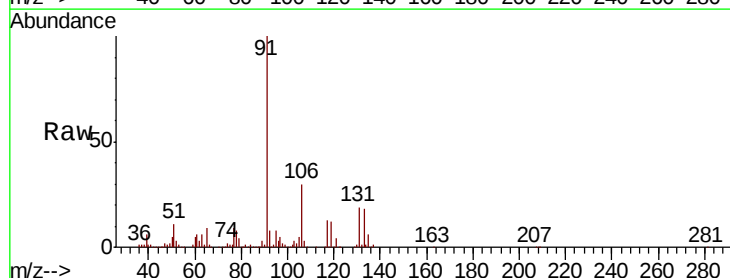
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

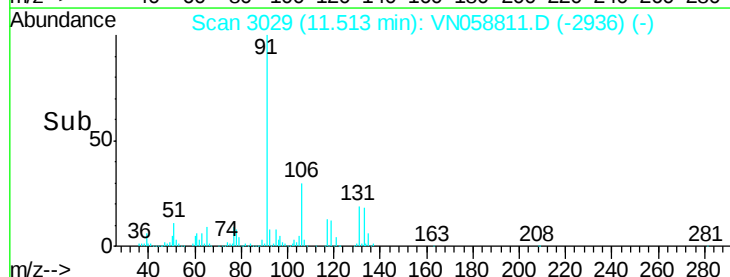
Tgt Ion: 91 Resp: 1086783

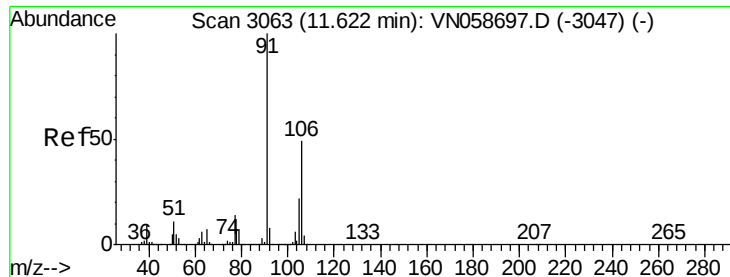
Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.1	36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

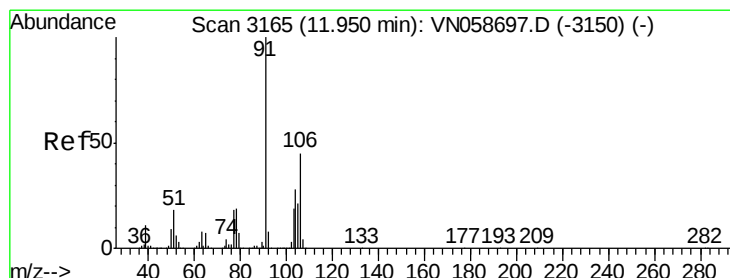
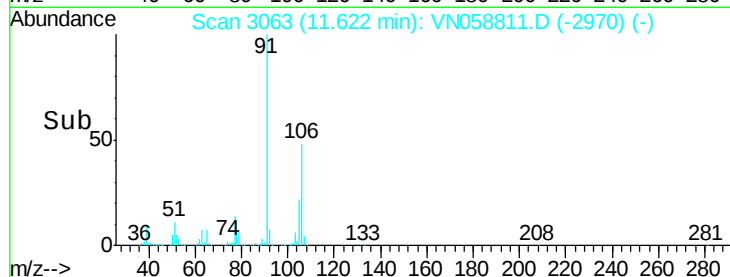
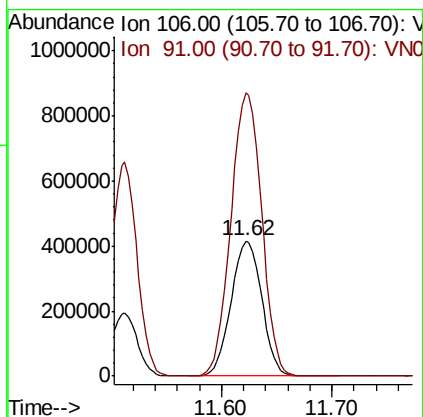
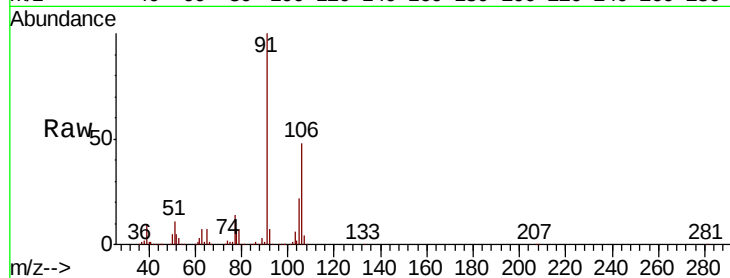




#68
m/p-Xylenes
Concen: 106.452 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

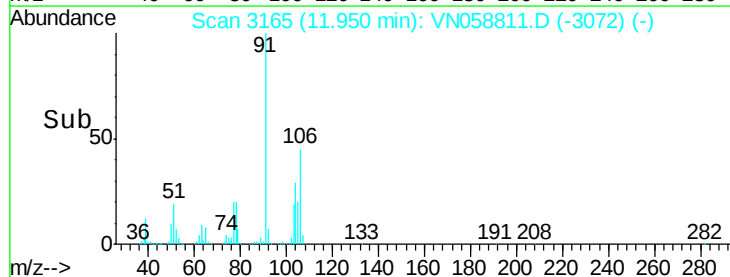
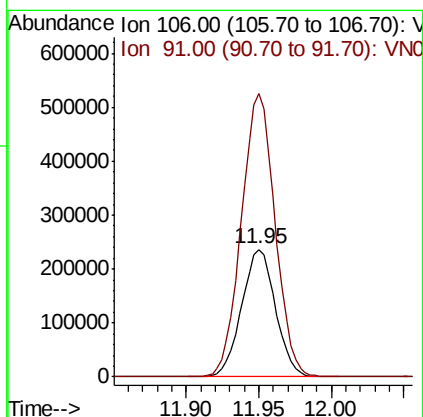
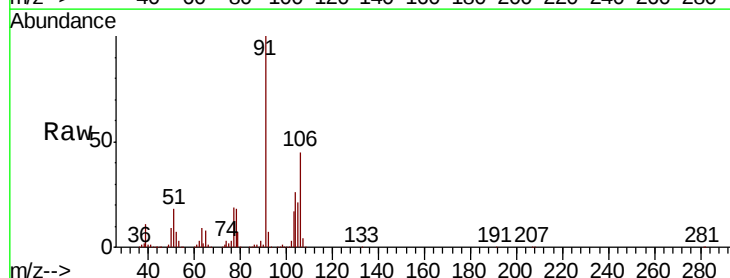
Instrument :
MSVOA_N
ClientSampleId :

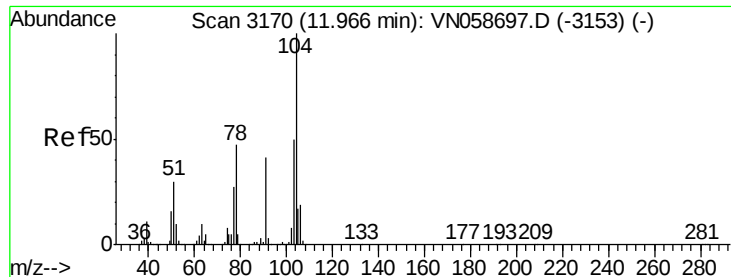
Tot Ion:106 Resp: 802794
Ion Ratio Lower Upper
106 100
91 210.3 165.7 248.5



#69
o-Xylene
Concen: 52.711 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion:106 Resp: 384605
Ion Ratio Lower Upper
106 100
91 221.2 110.9 332.9





#70

Stvrene

Concen: 53.556 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

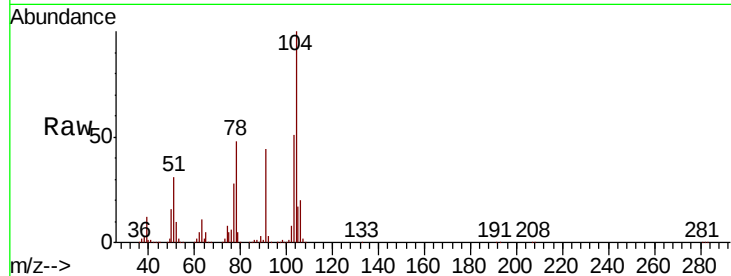
Tot Ion:104 Resp: 640469

Ion Ratio Lower Upper

104 100

78 53.0 42.2 63.2

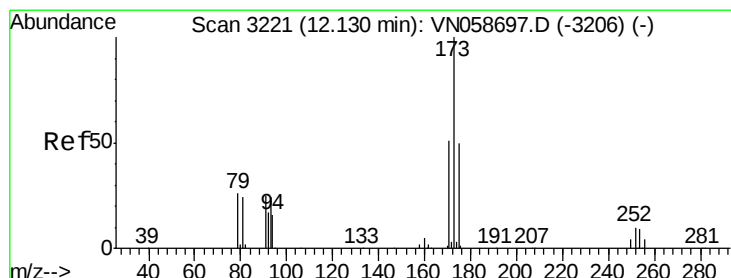
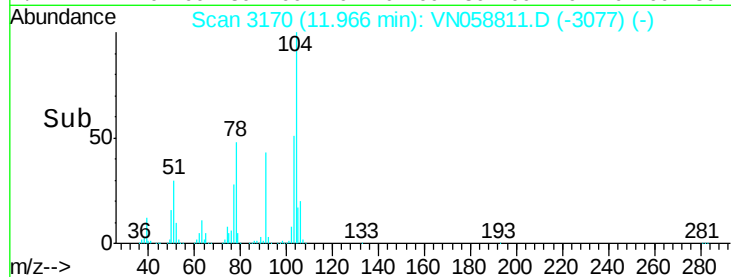
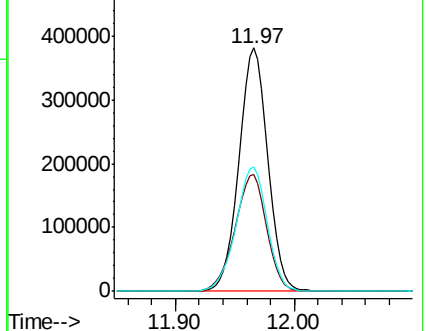
103 55.5 43.7 65.5



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: 56.338 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

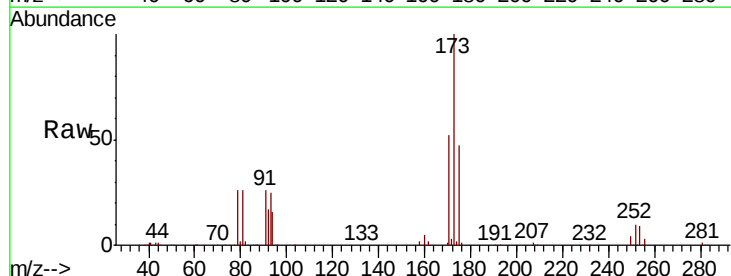
Tgt Ion:173 Resp: 172143

Ion Ratio Lower Upper

173 100

175 47.1 24.6 73.8

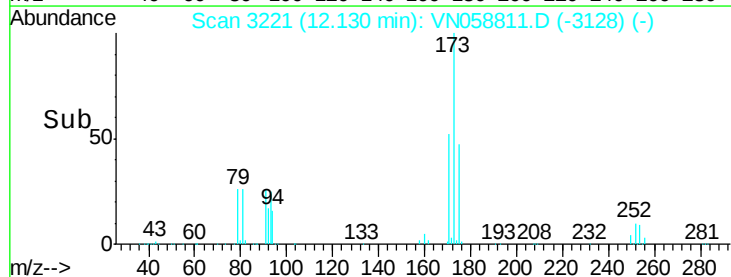
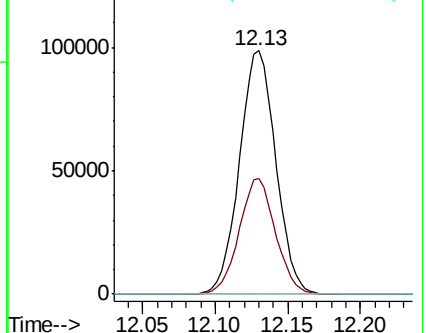
254 0.0 0.1 0.1#

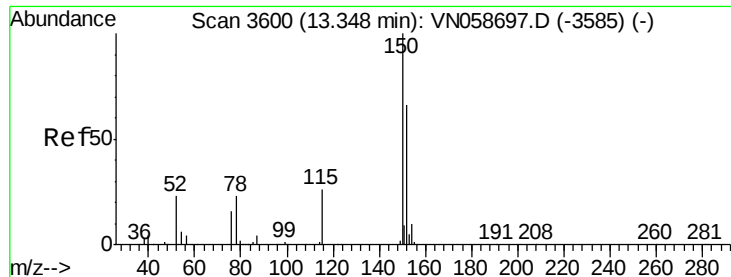


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

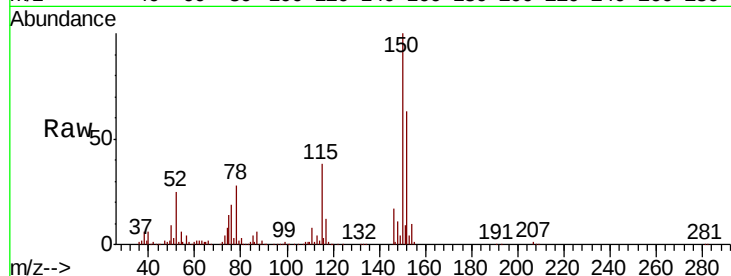
Tot Ion:152 Resp: 275738

Ion Ratio Lower Upper

152 100

115 59.9 30.4 91.2

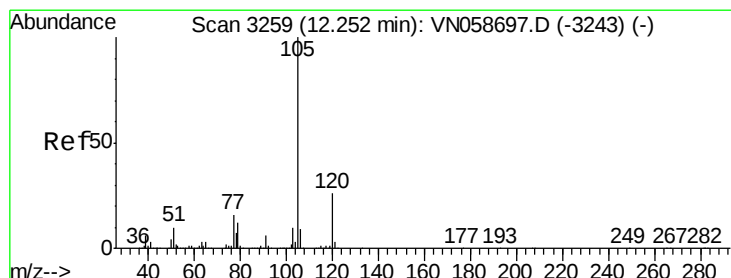
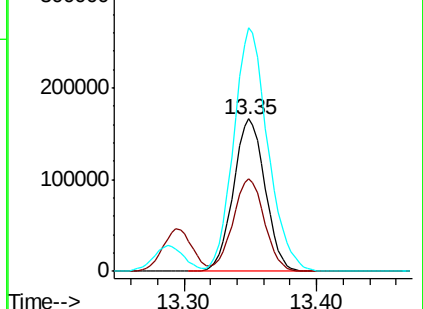
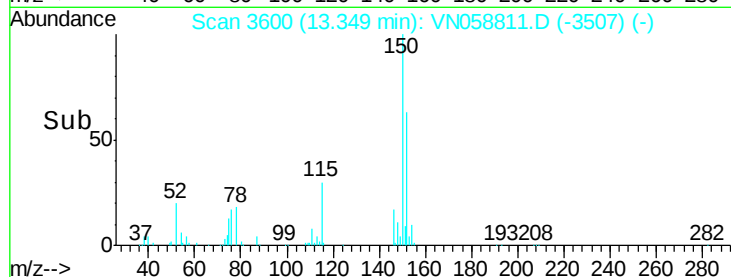
150 171.8 0.0 345.4



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: 52.636 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058811.D

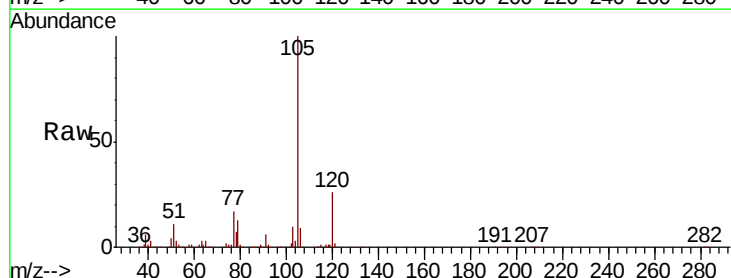
Acq: 16 Oct 2019 18:46

Tgt Ion:105 Resp: 1051127

Ion Ratio Lower Upper

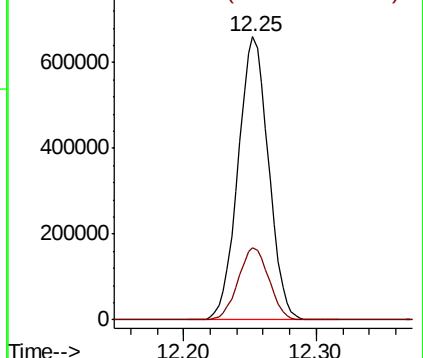
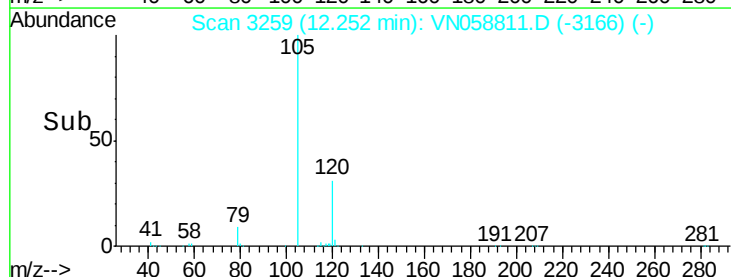
105 100

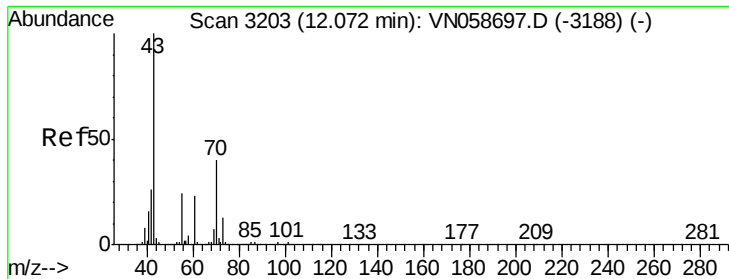
120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 52.373 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 469733

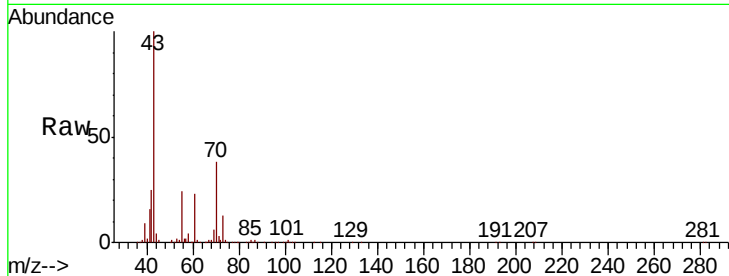
Ion Ratio Lower Upper

43 100

70 38.8 32.2 48.4

55 24.8 19.6 29.4

61 22.8 18.6 28.0

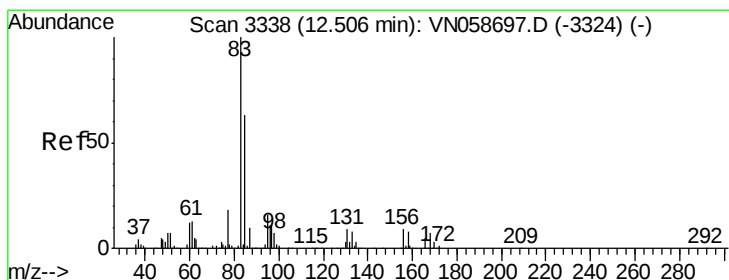
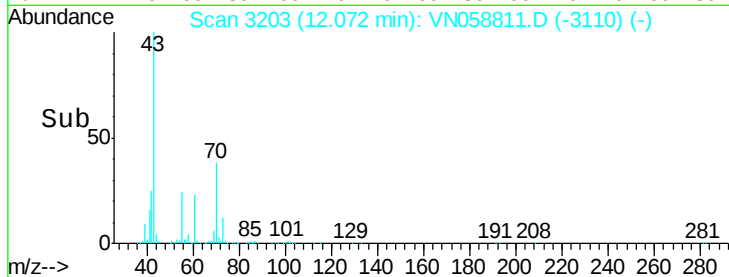
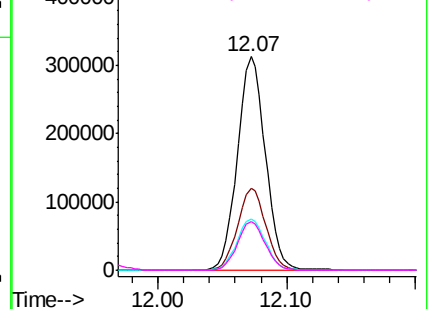


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 53.165 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

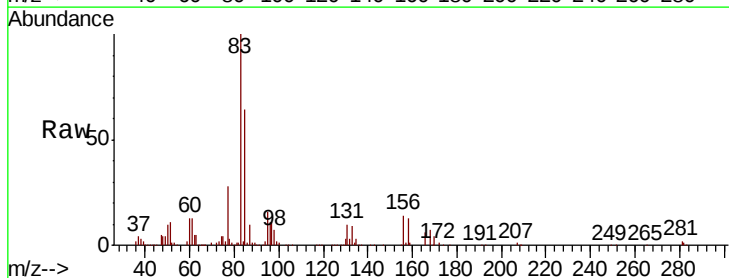
Tgt Ion: 83 Resp: 349751

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.4

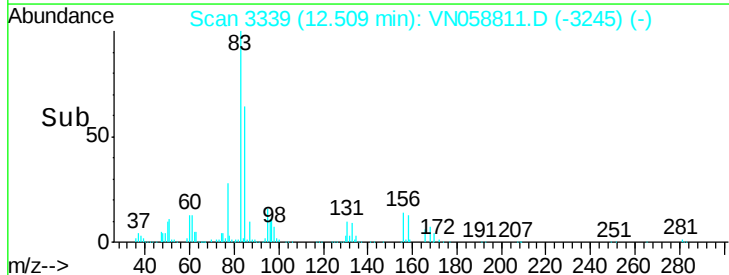
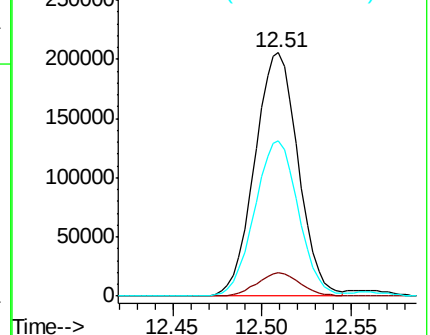
85 64.3 31.9 95.5

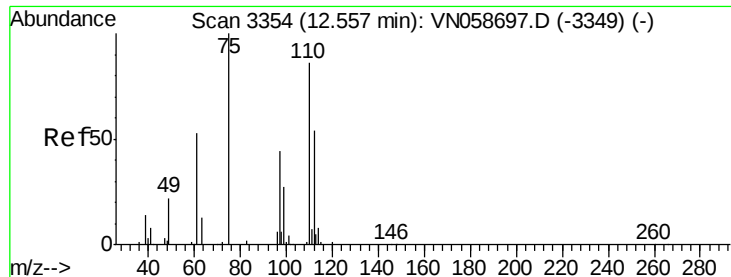


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 77.200 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

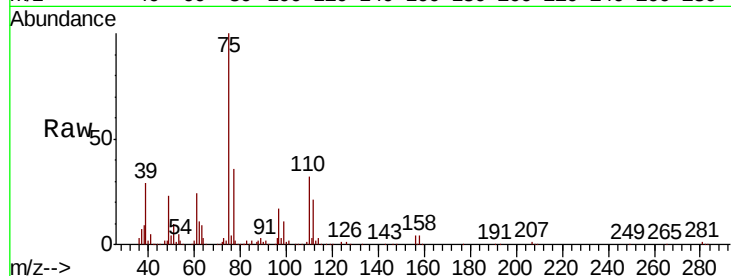
ClientSampleId :

Tot Ion: 75 Resp: 466983

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

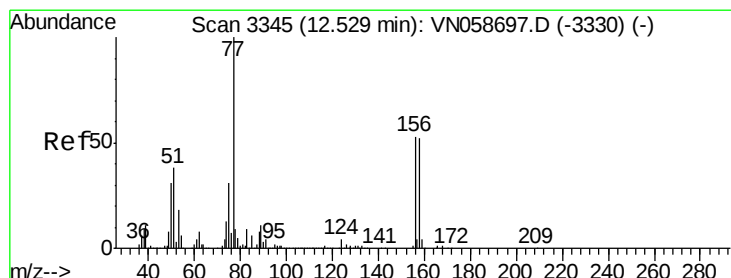
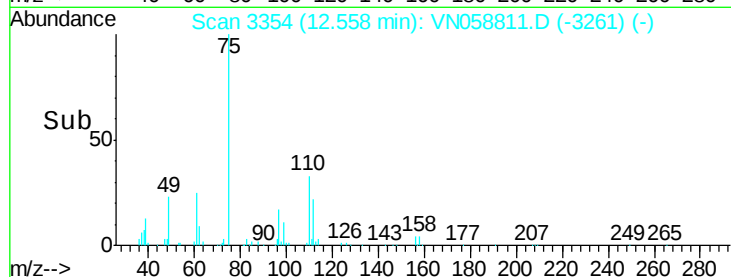


Abundance Ion 74.90 (74.60 to 75.60): VN058697.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN058697.D (-3349) (-)

12.56

Time-->



#77

Bromobenzene

Concen: 51.040 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

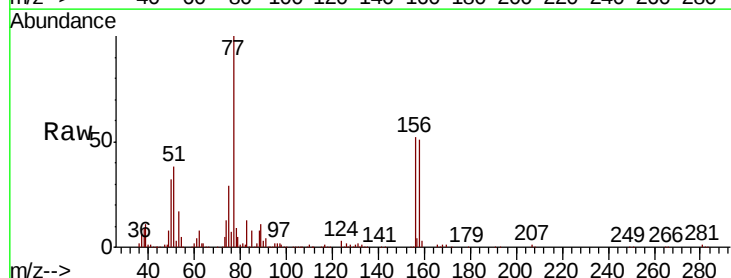
Tgt Ion: 156 Resp: 247914

Ion Ratio Lower Upper

156 100

77 233.2 115.8 347.3

158 97.8 48.9 146.6



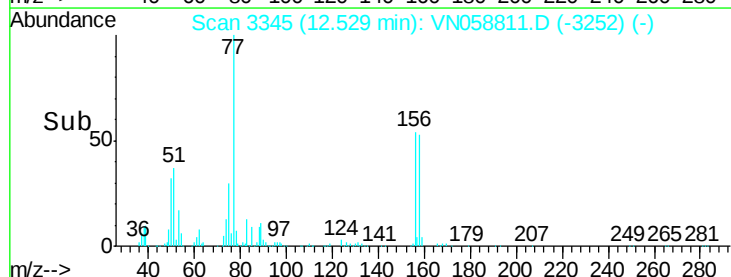
Abundance Ion 155.80 (155.50 to 156.50): VN058697.D (-3330) (-)

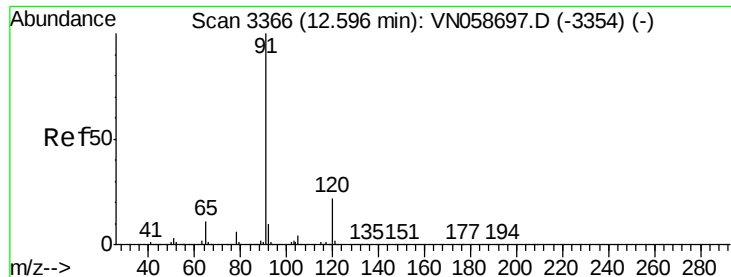
Ion 77.00 (76.70 to 77.70): VN058697.D (-3330) (-)

Ion 157.80 (157.50 to 158.50): VN058697.D (-3330) (-)

12.53

Time-->





#78

n-propylbenzene

Concen: 53.803 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

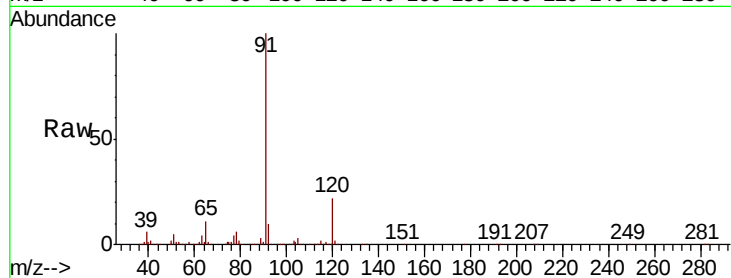
ClientSampleId :

Tot Ion: 91 Resp: 1251976

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

800000

600000

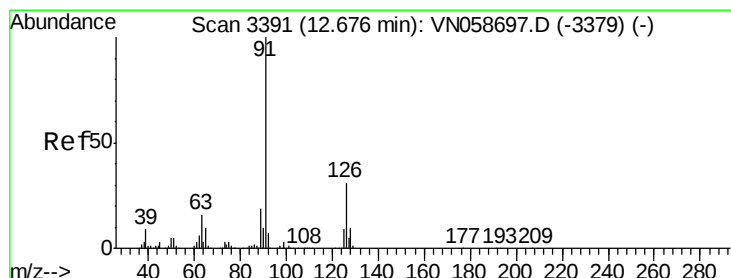
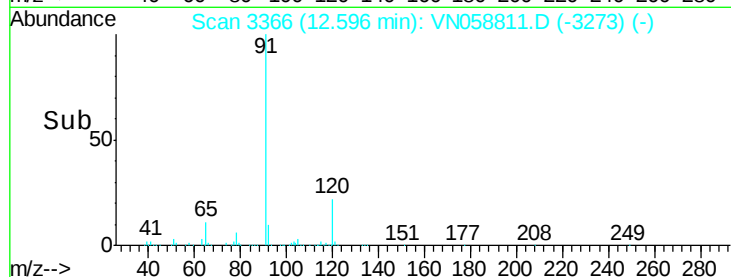
400000

200000

0

12.55 12.60 12.65

Time-->



#79

2-Chlorotoluene

Concen: 50.978 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058811.D

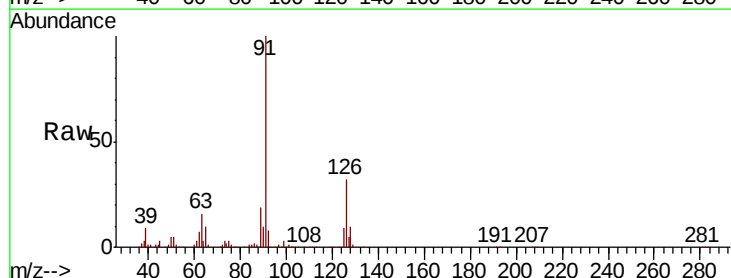
Acq: 16 Oct 2019 18:46

Tgt Ion: 91 Resp: 736269

Ion Ratio Lower Upper

91 100

126 32.6 16.2 48.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

600000

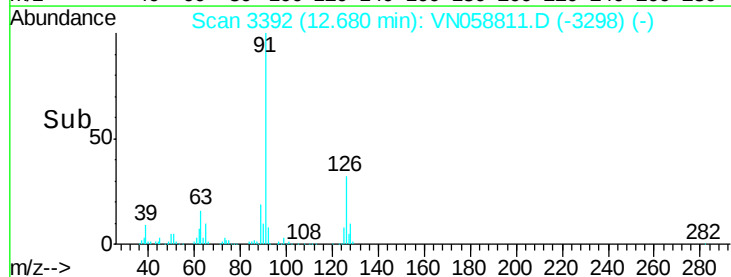
400000

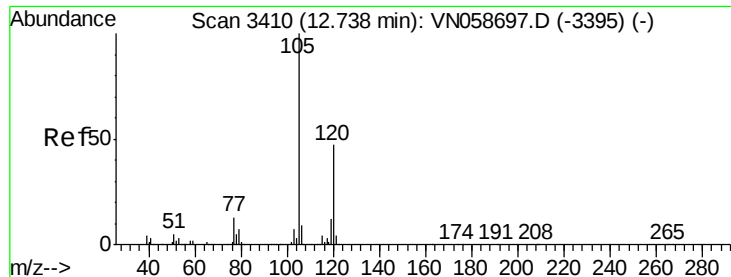
200000

0

12.65 12.70

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 52.950 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

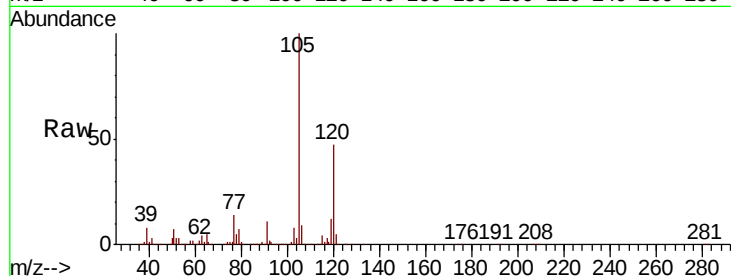
ClientSampleId :

Tot Ion:105 Resp: 902729

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.74

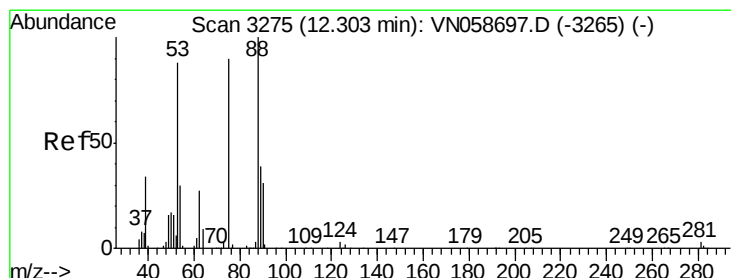
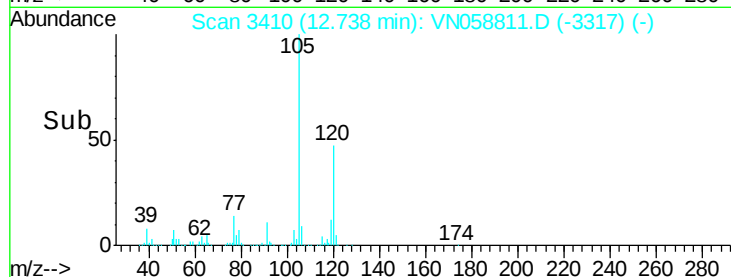
600000

400000

200000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 52.265 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

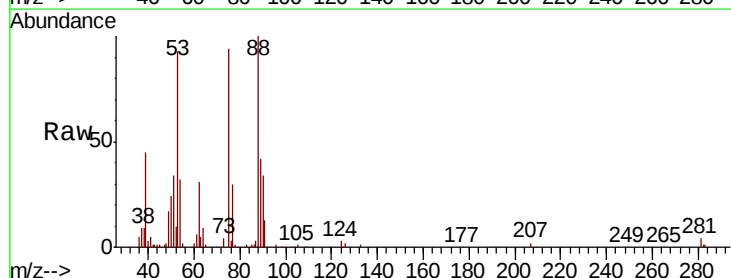
Tgt Ion: 75 Resp: 118025

Ion Ratio Lower Upper

75 100

53 97.7 78.4 117.6

89 44.4 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

100000

80000

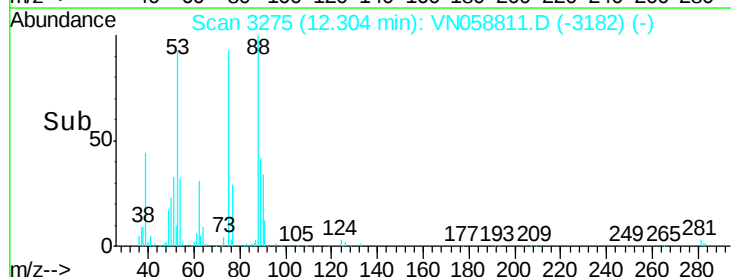
60000

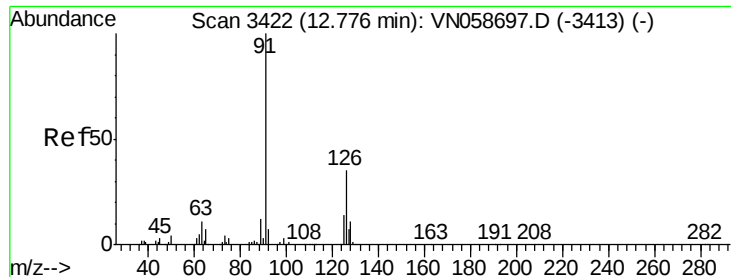
40000

20000

0

Time-->





#82

4-Chlorotoluene

Concen: 50.681 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

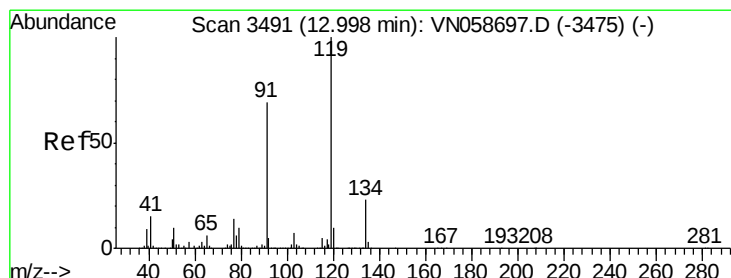
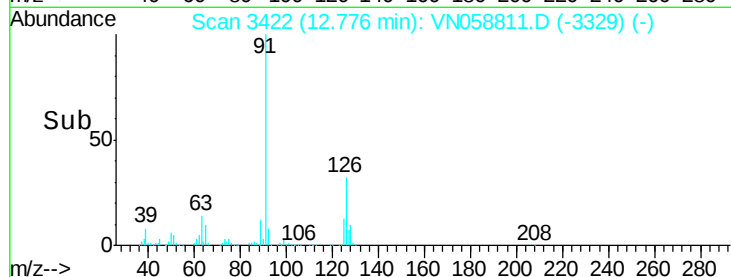
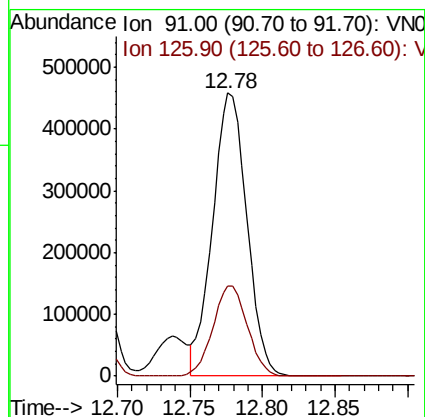
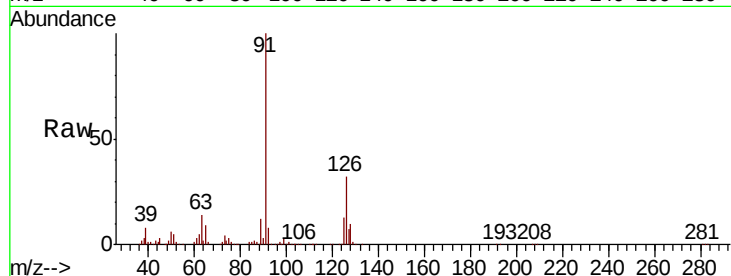
ClientSampled :

Tot Ion: 91 Resp: 751139

Ion Ratio Lower Upper

91 100

126 32.2 15.9 47.6



#83

tert-Butylbenzene

Concen: 51.901 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

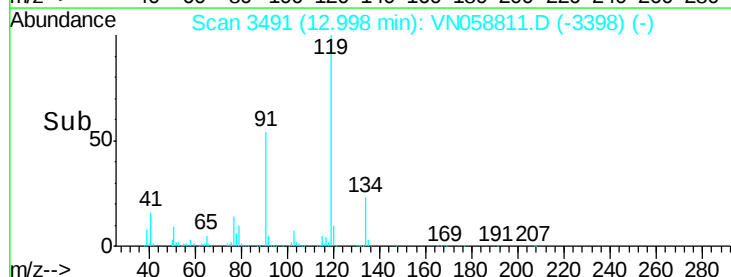
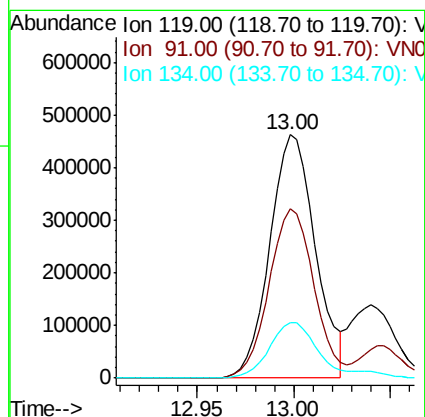
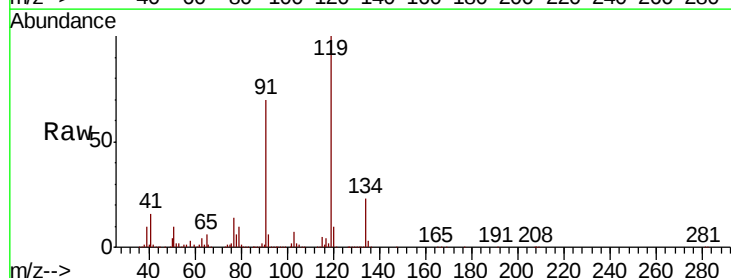
Tgt Ion: 119 Resp: 758027

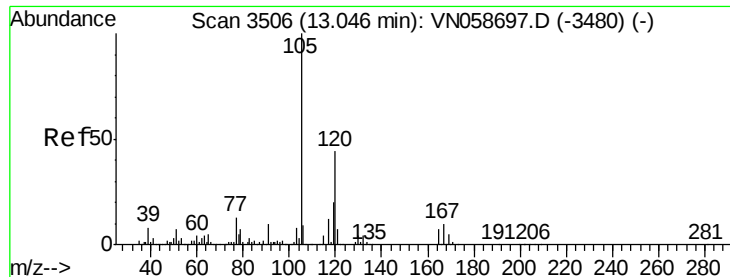
Ion Ratio Lower Upper

119 100

91 68.8 33.8 101.3

134 23.7 12.6 37.6

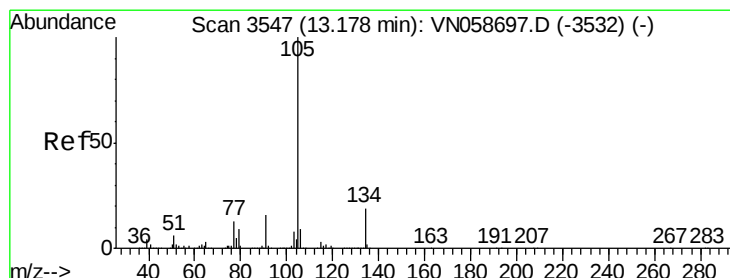
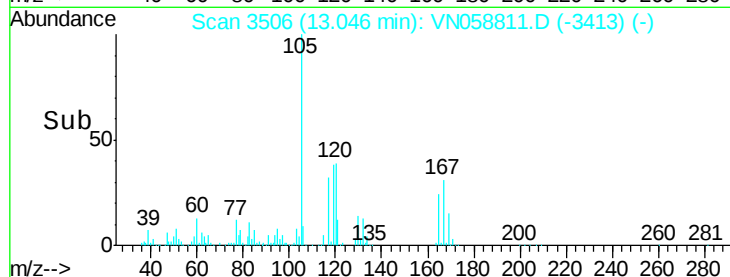
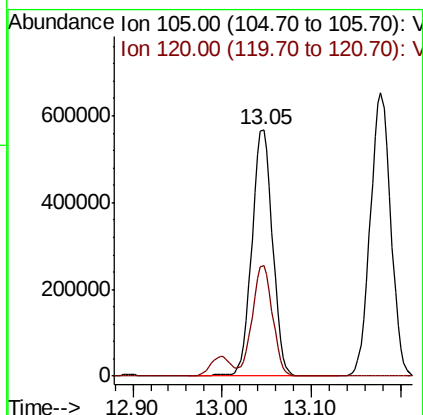
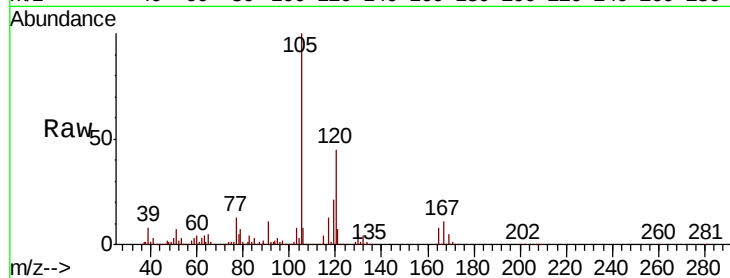




#84
1,2,4-Trimethylbenzene
Concen: 53.825 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

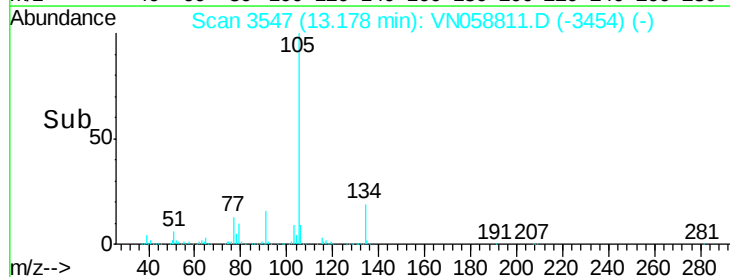
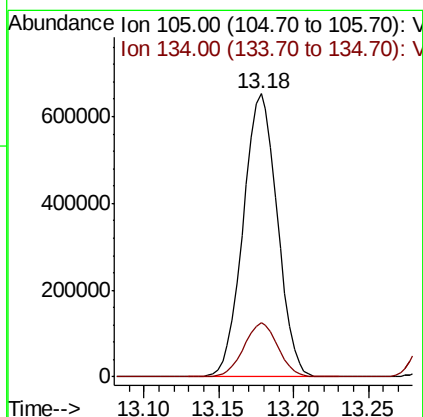
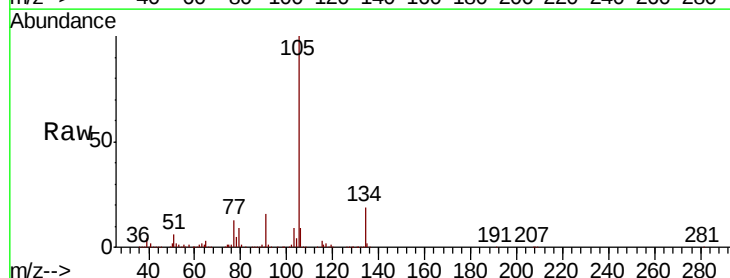
Instrument :
MSVOA_N
ClientSampled :

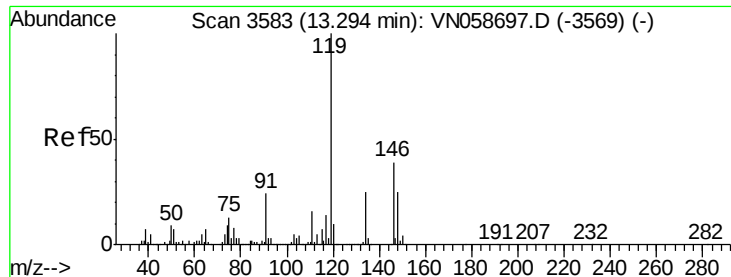
Tot Ion:105 Resp: 910990
Ion Ratio Lower Upper
105 100
120 44.0 21.9 65.7



#85
sec-Butylbenzene
Concen: 53.811 ug/l
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN058811.D
Acq: 16 Oct 2019 18:46

Tgt Ion:105 Resp: 1035580
Ion Ratio Lower Upper
105 100
134 19.0 9.7 29.1

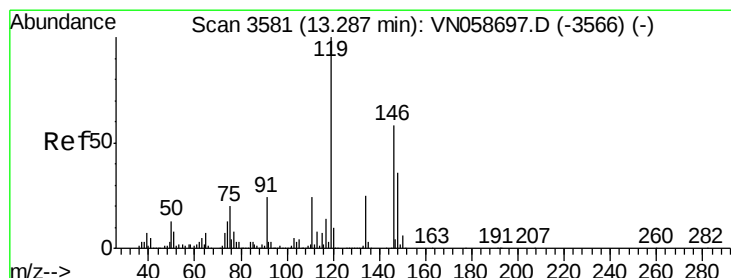
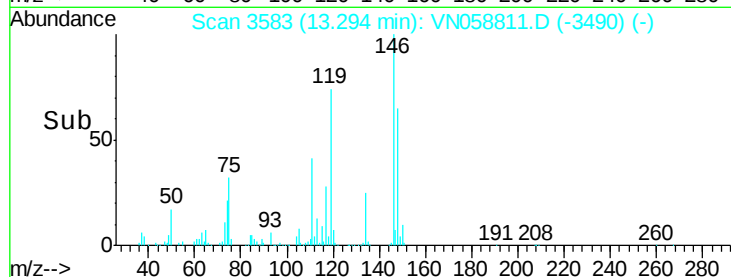
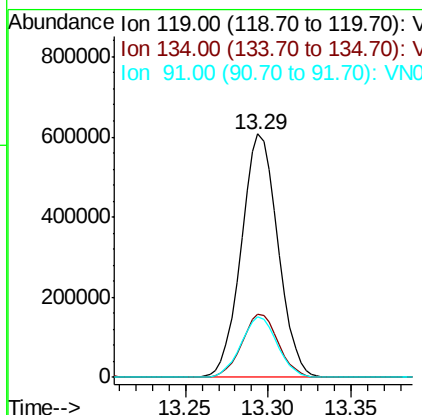
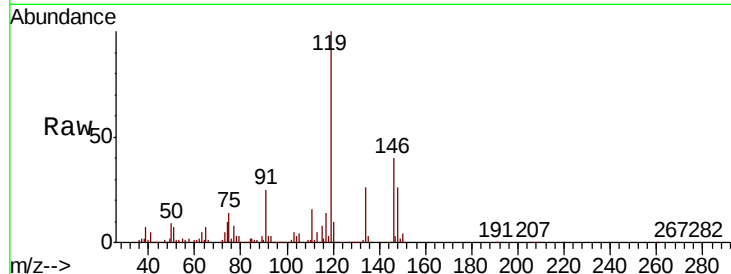




#86
 p-Isopropyltoluene
 Concen: 53.023 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

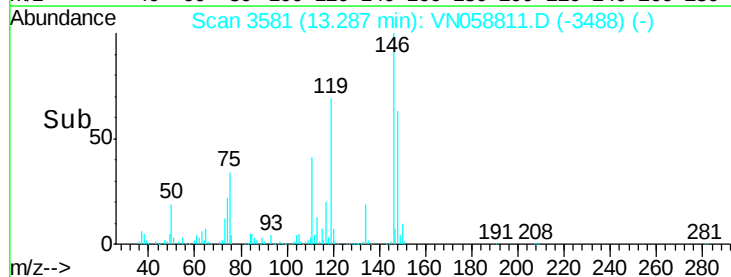
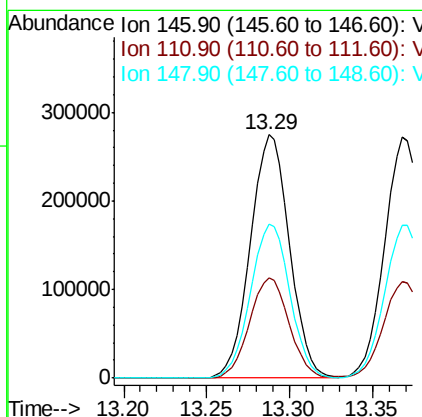
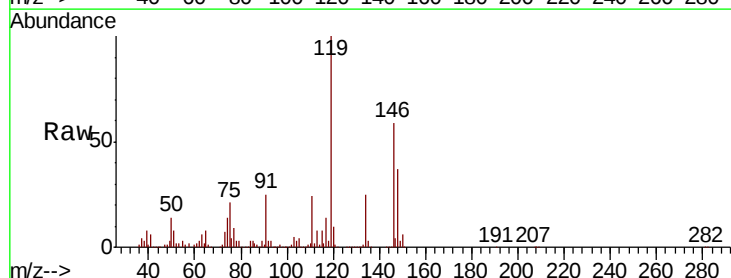
Instrument :
 MSVOA_N
 ClientSampled :

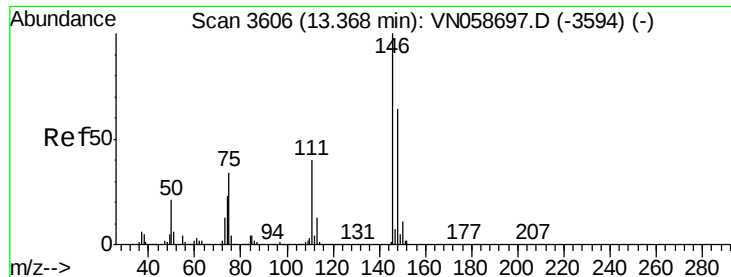
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.7	38.1
91	24.6	11.9	35.5



#87
 1,3-Dichlorobenzene
 Concen: 50.434 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.5	61.6
148	63.9	31.3	93.9

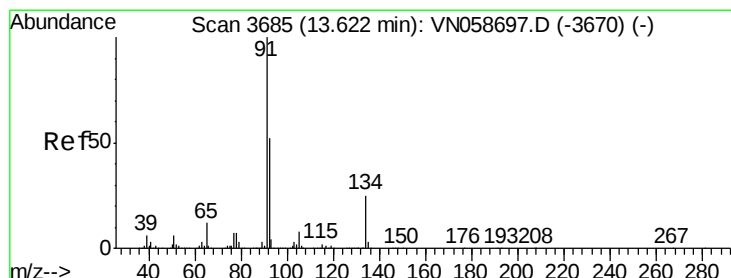
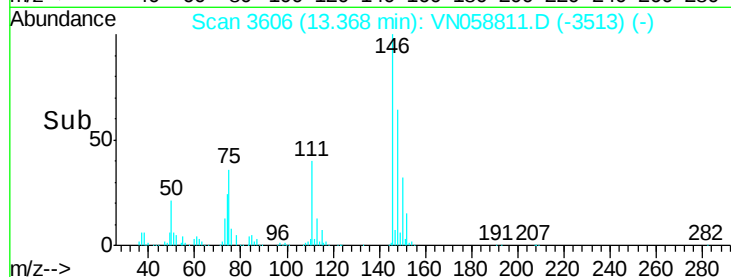
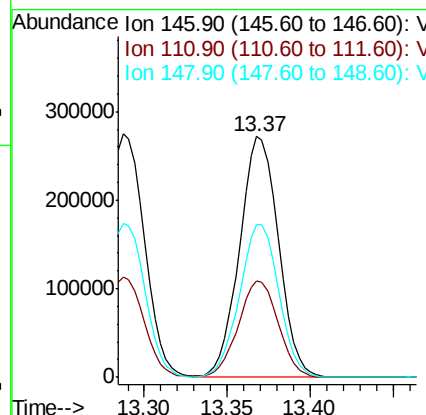
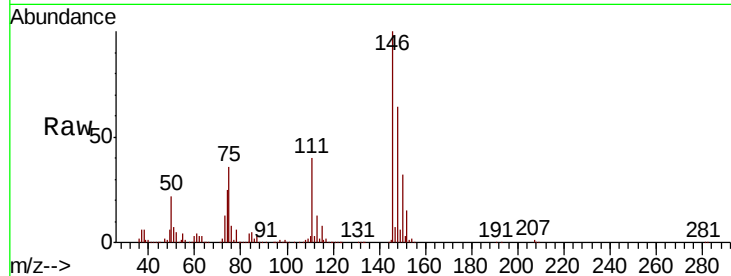




#88
 1,4-Dichlorobenzene
 Concen: 48.735 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

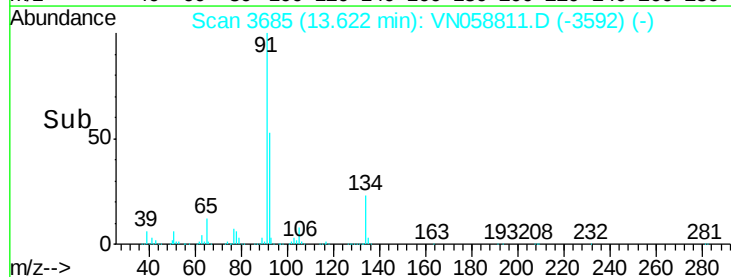
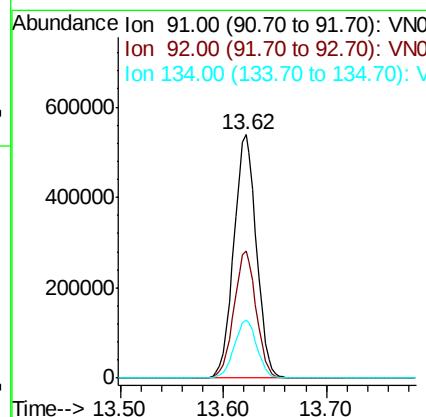
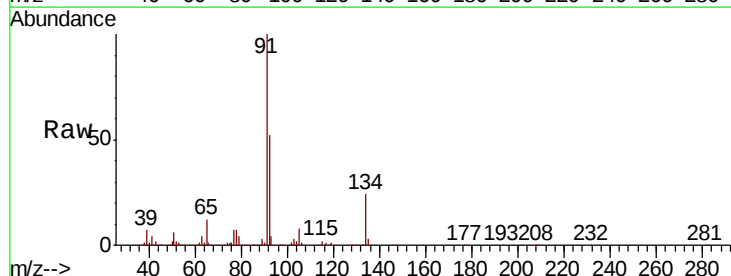
Instrument :
 MSVOA_N
 ClientSampled :

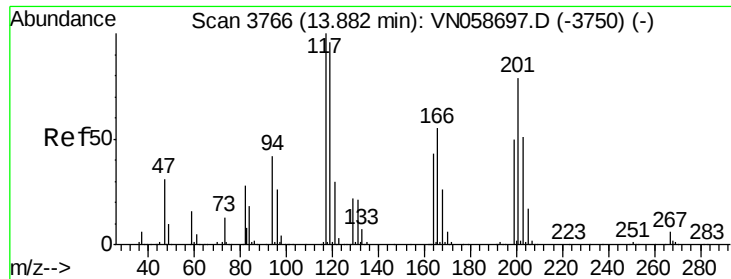
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	64.1	31.9	95.7



#89
 n-Butylbenzene
 Concen: 50.922 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.0	78.0
134	23.8	12.2	36.6





#90

Hexachloroethane

Concen: 53.794 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

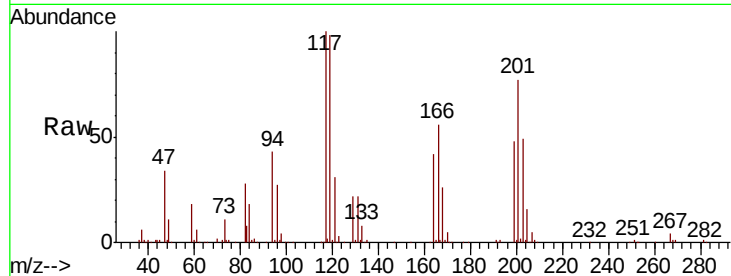
ClientSampleId :

Tot Ion:117 Resp: 168357

Ion Ratio Lower Upper

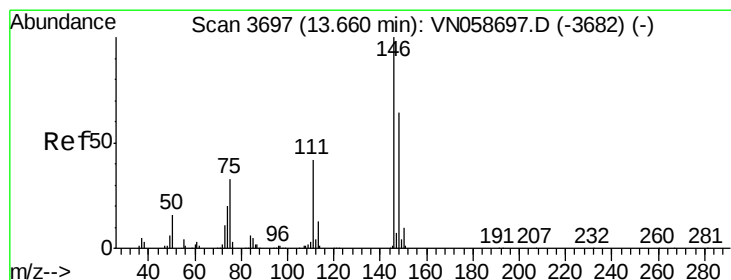
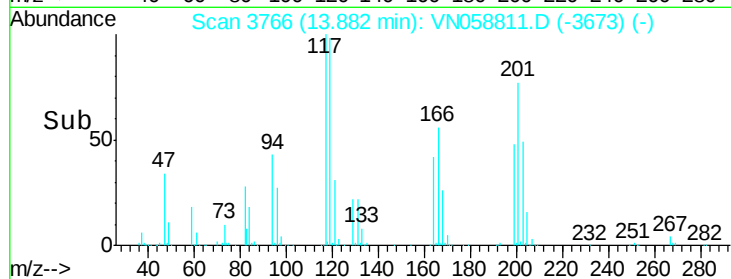
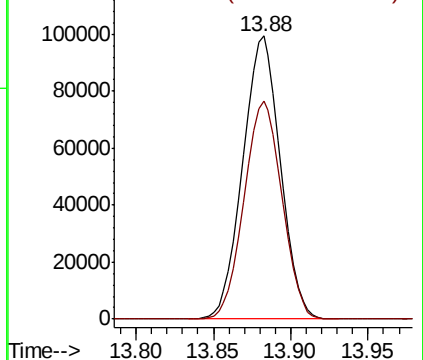
117 100

201 77.5 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 51.631 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

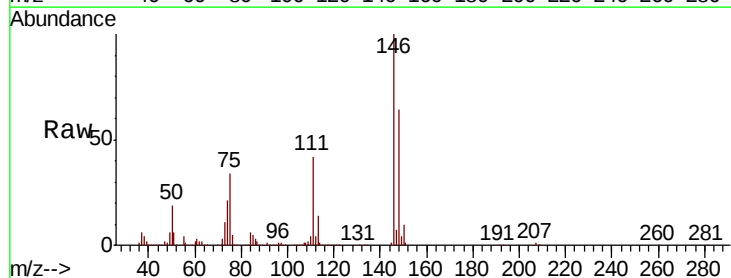
Tgt Ion:146 Resp: 450765

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.4

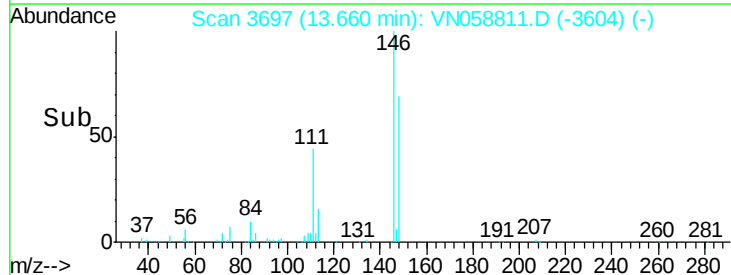
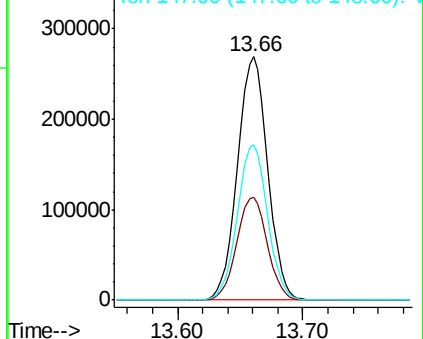
148 63.8 31.8 95.3

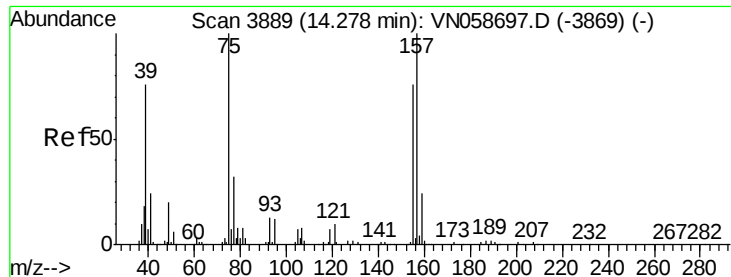


Abundance Ion 145.90 (145.60 to 146.60): V

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: 49.169 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

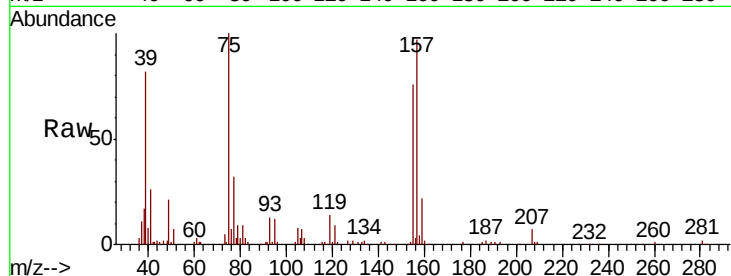
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 75567

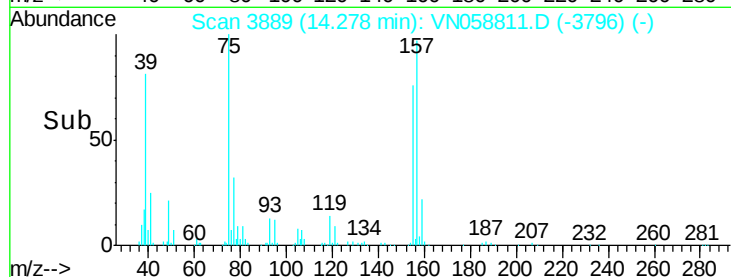
Ion	Ratio	Lower	Upper
75	100		
155	73.4	37.9	113.6
157	93.5	49.4	148.2



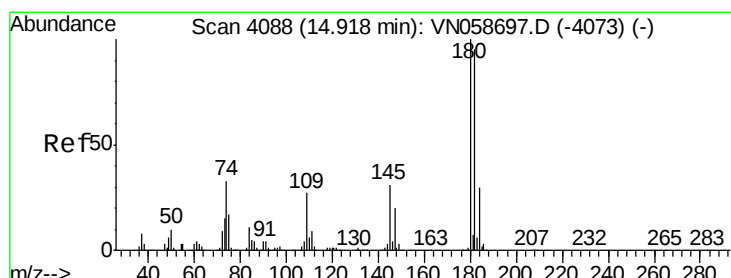
Abundance Ion 74.90 (74.60 to 75.60): VN058811.D (-3796) (-)

Ion 154.80 (154.50 to 155.50): VN058811.D (-3796) (-)

Ion 156.80 (156.50 to 157.50): VN058811.D (-3796) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 47.545 ug/l

RT: 14.92 min Scan# 4088

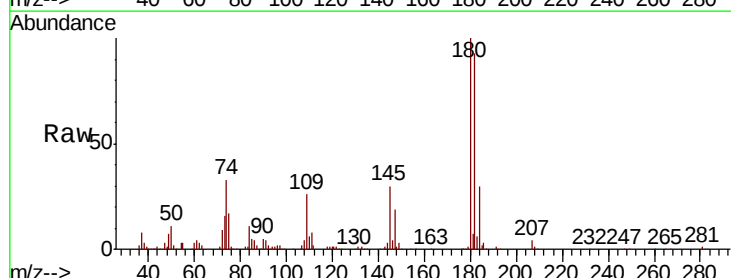
Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Tgt Ion: 180 Resp: 253213

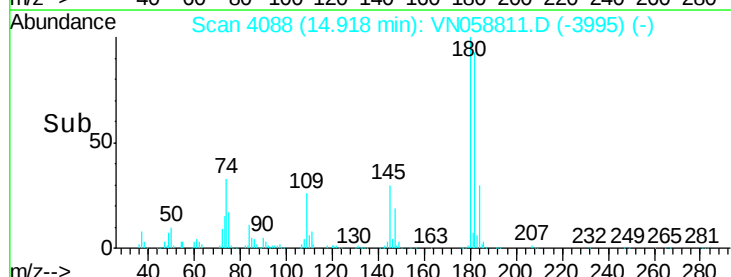
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.2
145	30.4	15.4	46.2



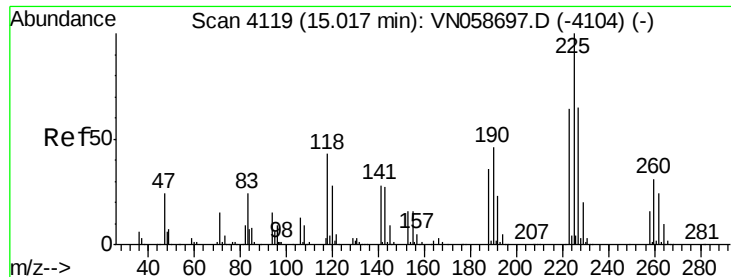
Abundance Ion 179.80 (179.50 to 180.50): VN058811.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058811.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058811.D (-3995) (-)



Time-->



#94

Hexachlorobutadiene

Concen: 47.588 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

Instrument :

MSVOA_N

ClientSampled :

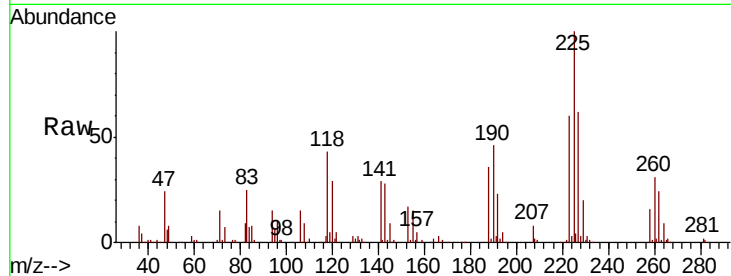
Tot Ion:225 Resp: 133466

Ion Ratio Lower Upper

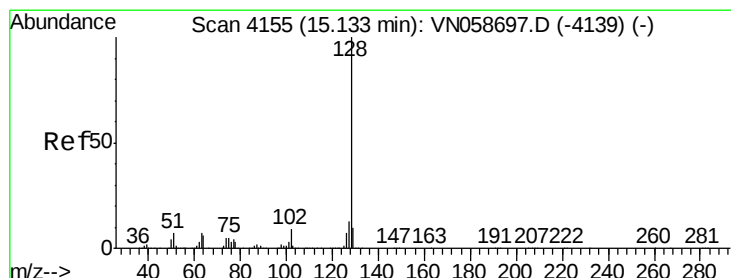
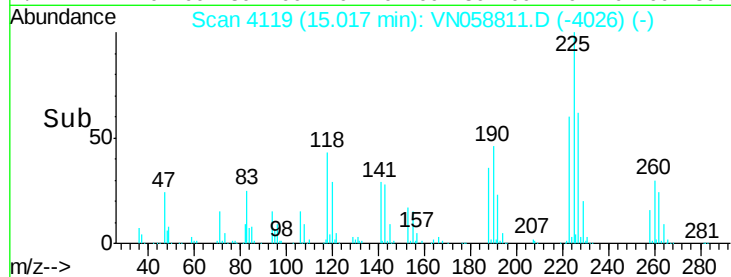
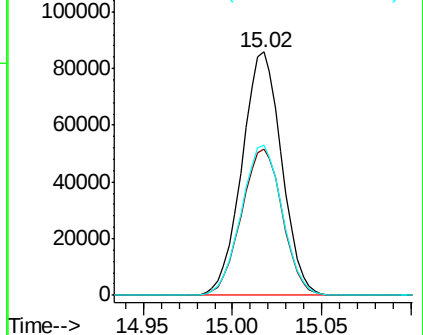
225 100

223 61.9 32.3 96.8

227 63.7 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: 47.096 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058811.D

Acq: 16 Oct 2019 18:46

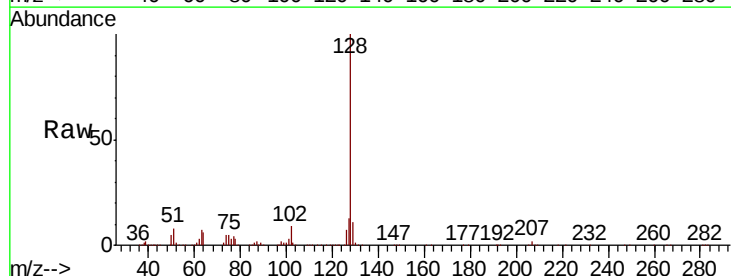
Tgt Ion:128 Resp: 720863

Ion Ratio Lower Upper

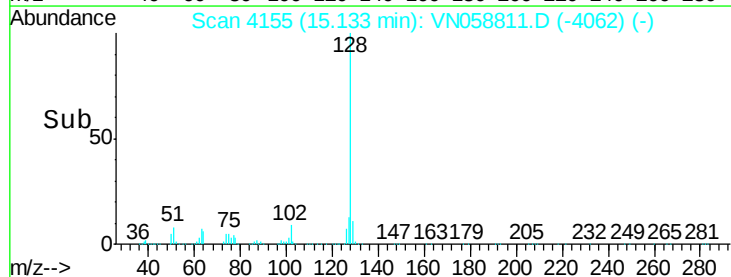
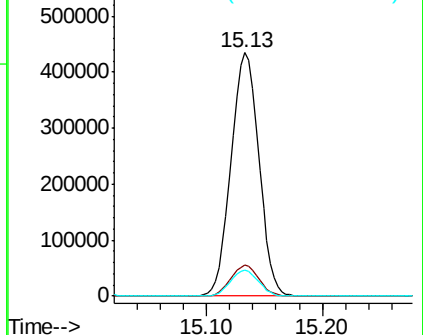
128 100

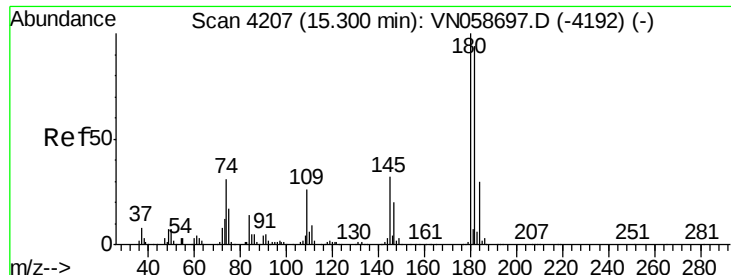
127 12.6 10.2 15.4

129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 47.190 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN058811.D
 Acq: 16 Oct 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	142.0
145	32.2	16.2	48.6

