

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058813.D
 Acq On : 16 Oct 2019 19:30
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 17 01:36:53 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	386979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	618107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	573072	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280525	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	280685	51.81	ug/l	0.00
Spiked Amount			Recovery	=	103.62%	
35) Dibromofluoromethane	7.57	113	200159	52.43	ug/l	0.00
Spiked Amount			Recovery	=	104.86%	
50) Toluene-d8	10.09	98	787045	51.55	ug/l	0.00
Spiked Amount			Recovery	=	103.10%	
62) 4-Bromofluorobenzene	12.40	95	294534	50.97	ug/l	0.00
Spiked Amount			Recovery	=	101.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	248267	51.512	ug/l	99
3) Chloromethane	2.04	50	287545	50.173	ug/l	100
4) Vinyl Chloride	2.17	62	296311	51.911	ug/l	100
5) Bromomethane	2.54	94	180611	52.014	ug/l	97
6) Chloroethane	2.68	64	186551	52.985	ug/l	100
7) Trichlorofluoromethane	3.00	101	361892	52.976	ug/l	99
8) Diethyl Ether	3.39	74	130380	51.655	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200625	51.507	ug/l	98
10) Methyl Iodide	3.93	142	267547	50.335	ug/l	99
11) Tert butyl alcohol	4.76	59	251749	286.927	ug/l	99
12) 1,1-Dichloroethene	3.72	96	190794	51.339	ug/l	96
13) Acrolein	3.58	56	135686	192.286	ug/l	100
14) Allyl chloride	4.30	41	390899	52.121	ug/l	98
15) Acrylonitrile	4.96	53	627640	283.659	ug/l	100
16) Acetone	3.79	43	596200	265.820	ug/l	100
17) Carbon Disulfide	4.03	76	561582	47.273	ug/l	100
18) Methyl Acetate	4.30	43	323576	56.875	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	710951	53.574	ug/l	98
20) Methylene Chloride	4.53	84	230482	49.169	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	209603	50.421	ug/l	98
22) Diisopropyl ether	5.93	45	796426	54.616	ug/l	99
23) Vinyl Acetate	5.87	43	3420736	290.718	ug/l	100
24) 1,1-Dichloroethane	5.83	63	441349	53.142	ug/l	100
25) 2-Butanone	6.82	43	899593	277.495	ug/l	99
26) 2,2-Dichloropropane	6.80	77	359776	47.456	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	246442	50.838	ug/l	99
28) Bromochloromethane	7.18	49	153075	52.980	ug/l	96
29) Tetrahydrofuran	7.19	42	586698	280.050	ug/l	100
30) Chloroform	7.35	83	430264	51.565	ug/l	100
31) Cyclohexane	7.64	56	389873	49.063	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	379331	53.306	ug/l	99
36) 1,1-Dichloropropene	7.78	75	322377	51.585	ug/l	99
37) Ethyl Acetate	6.91	43	367615	58.164	ug/l	97
38) Carbon Tetrachloride	7.76	117	329632	54.120	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370944	51.152	ug/l	99
40) Benzene	8.02	78	949108	52.880	ug/l	100
41) Methacrylonitrile	7.15	41	146504	49.518	ug/l #	38
42) 1,2-Dichloroethane	8.11	62	367790	53.337	ug/l	100
43) Isopropyl Acetate	8.15	43	590638	54.857	ug/l	100
44) Trichloroethene	8.82	130	232172	52.089	ug/l	98
45) 1,2-Dichloropropane	9.11	63	264011	54.947	ug/l	99
46) Dibromomethane	9.20	93	165562	54.348	ug/l	98
47) Bromodichloromethane	9.39	83	343855	55.431	ug/l	99
48) Methyl methacrylate	9.19	41	276438	56.640	ug/l	100
49) 1,4-Dioxane	9.19	88	88495	1172.045	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1859459	307.509	ug/l	100
52) Toluene	10.15	92	579229	52.764	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	392654	55.188	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	413086	54.683	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	234892	52.279	ug/l	99
56) Ethyl methacrylate	10.43	69	374253	57.016	ug/l	99
57) 1,3-Dichloropropane	10.71	76	414707	54.164	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	871457	275.485	ug/l	99
59) 2-Hexanone	10.75	43	1396017	298.739	ug/l	99
60) Dibromochloromethane	10.90	129	259524	55.993	ug/l	100
61) 1,2-Dibromoethane	11.00	107	242240	53.815	ug/l	100
64) Tetrachloroethene	10.63	164	204177	50.910	ug/l	97
65) Chlorobenzene	11.43	112	621526	53.405	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	232737	54.082	ug/l	99
67) Ethyl Benzene	11.51	91	1143803	55.135	ug/l	100
68) m/p-Xylenes	11.62	106	848235	108.954	ug/l	99
69) o-Xylene	11.95	106	402126	53.387	ug/l	100
70) Styrene	11.97	104	681625	55.212	ug/l	99
71) Bromoform	12.13	173	183045	58.030	ug/l	99
73) Isopropylbenzene	12.25	105	1118056	55.033	ug/l	99
74) N-amyl acetate	12.07	43	524625	57.495	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	370105	55.299	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	498078	80.935	ug/l #	100
77) Bromobenzene	12.53	156	260906	52.798	ug/l	99
78) n-propylbenzene	12.60	91	1331205	56.231	ug/l	99
79) 2-Chlorotoluene	12.68	91	778907	53.010	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	956519	55.147	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128192	55.798	ug/l	99
82) 4-Chlorotoluene	12.78	91	817401	54.211	ug/l	100
83) tert-Butylbenzene	13.00	119	807360	54.335	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	967980	56.216	ug/l	100
85) sec-Butylbenzene	13.18	105	1108498	56.617	ug/l	99
86) p-Isopropyltoluene	13.29	119	993770	55.847	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	479953	52.665	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	474761	51.238	ug/l	99
89) n-Butylbenzene	13.62	91	897549	54.549	ug/l	99
90) Hexachloroethane	13.88	117	182249	57.239	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	478240	53.843	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	82353	52.670	ug/l	96

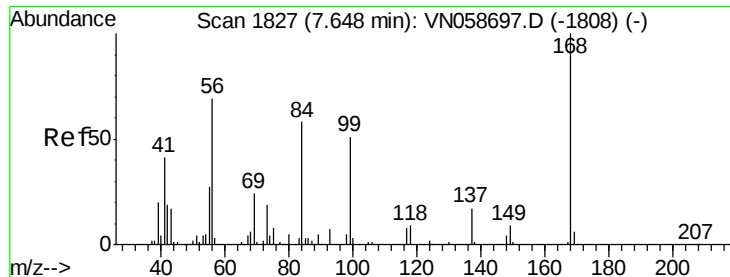
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	281038	51.869	ug/l	99
94) Hexachlorobutadiene	15.02	225	145111	50.857	ug/l	97
95) Naphthalene	15.13	128	823046	52.855	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	271211	51.269	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

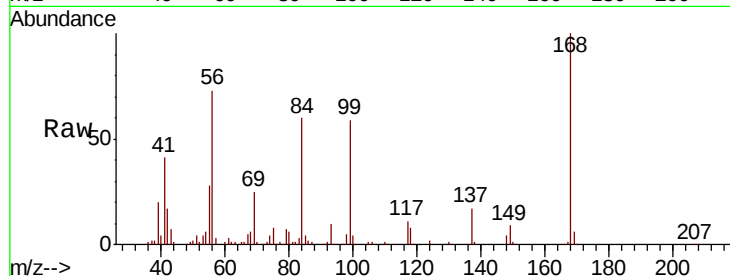
VSTDCCC050EC

Tot Ion:168 Resp: 386979

Ion Ratio Lower Upper

168 100

99 58.8 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

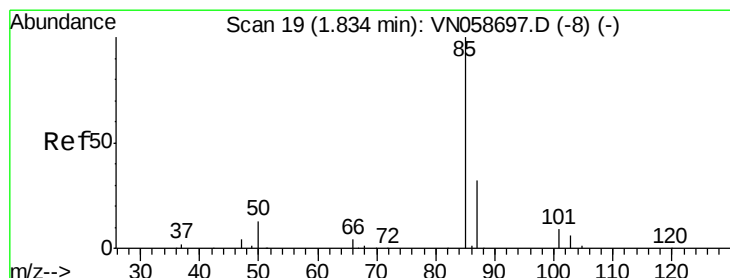
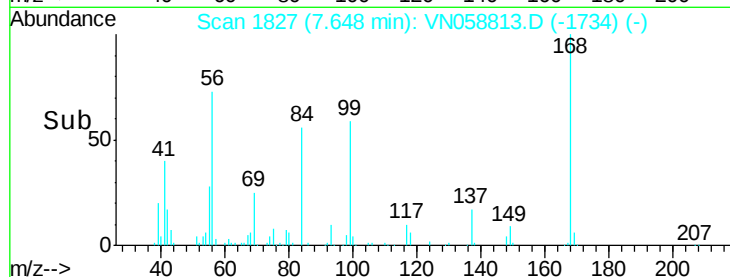
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 51.512 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058813.D

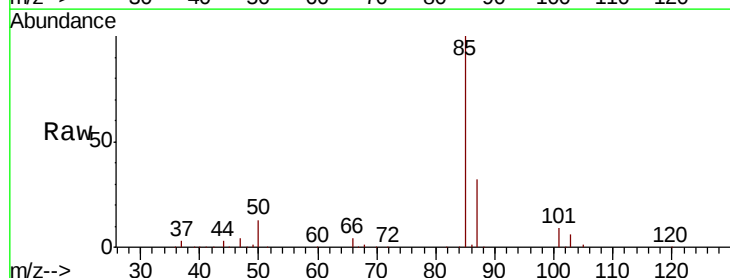
Acq: 16 Oct 2019 19:30

Tgt Ion: 85 Resp: 248267

Ion Ratio Lower Upper

85 100

87 31.9 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

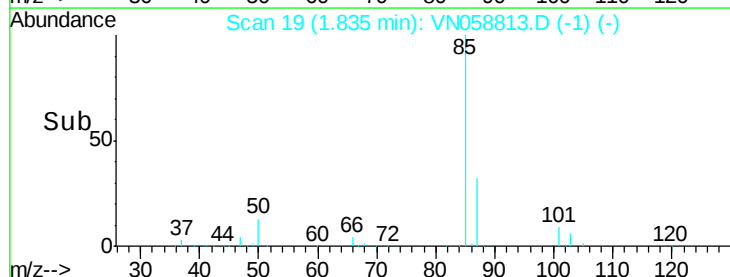
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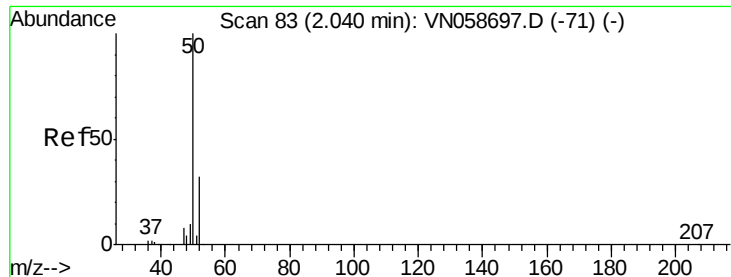
50000

0

1.80 1.90

Time-->





#3

Chloromethane

Concen: 50.173 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

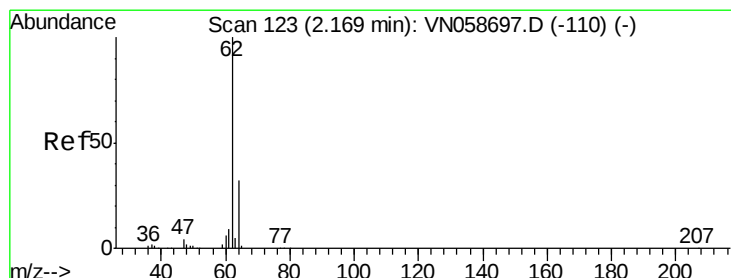
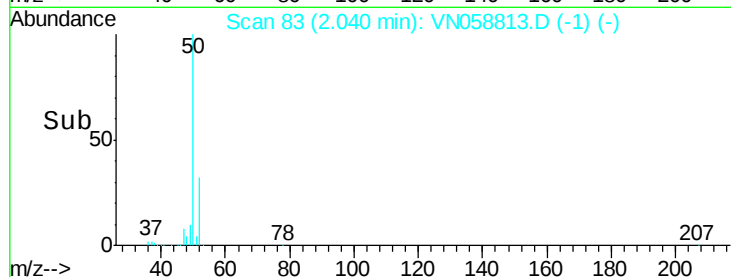
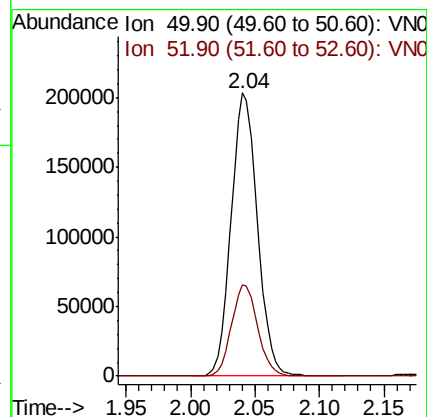
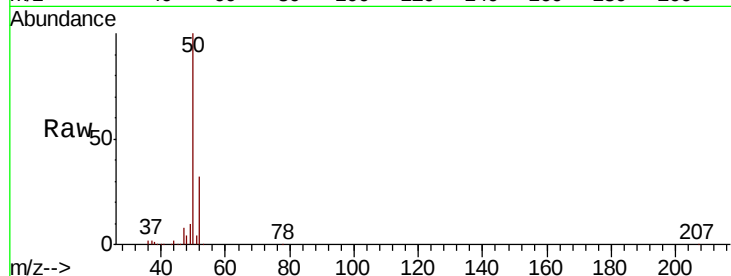
VSTDCCC050EC

Tot Ion: 50 Resp: 287545

Ion Ratio Lower Upper

50 100

52 32.2 25.8 38.6



#4

Vinyl Chloride

Concen: 51.911 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058813.D

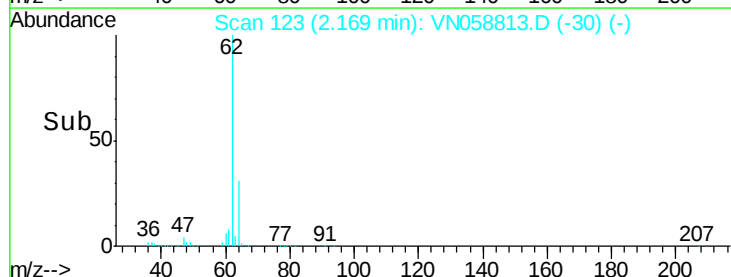
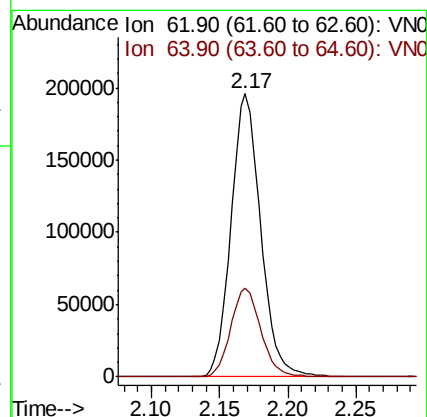
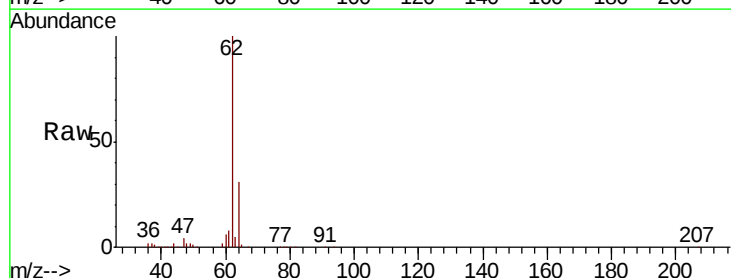
Acq: 16 Oct 2019 19:30

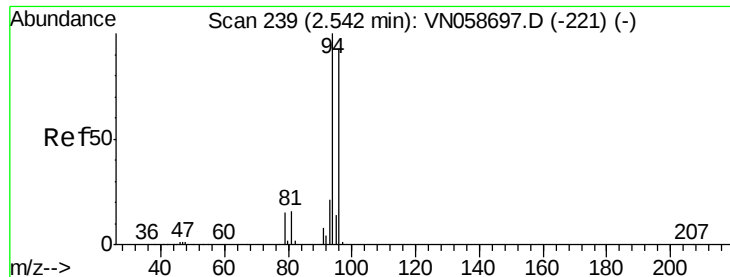
Tgt Ion: 62 Resp: 296311

Ion Ratio Lower Upper

62 100

64 31.3 25.3 37.9





#5

Bromomethane

Concen: 52.014 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

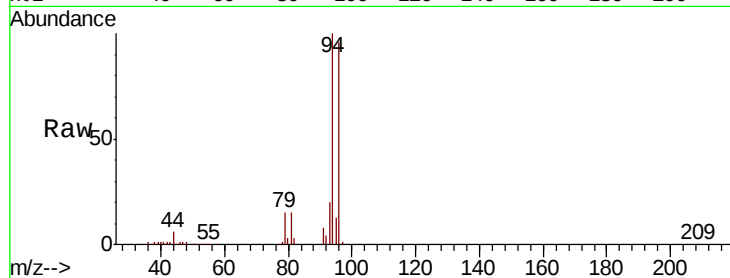
VSTDCCC050EC

Tot Ion: 94 Resp: 180611

Ion Ratio Lower Upper

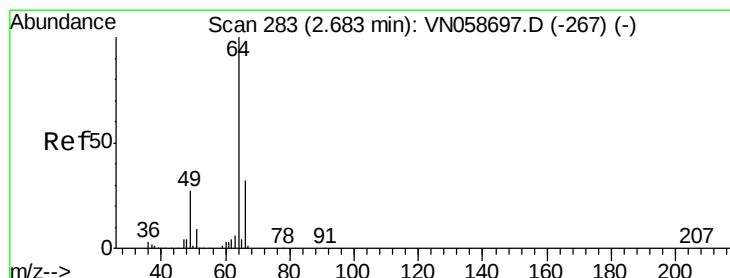
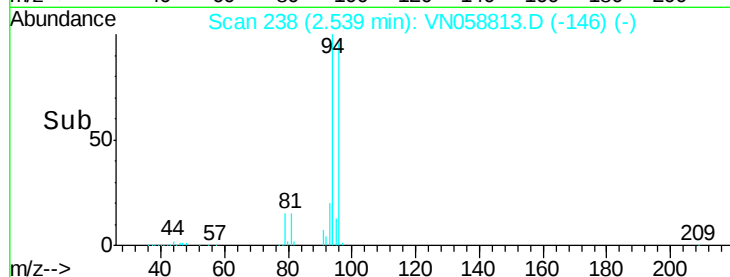
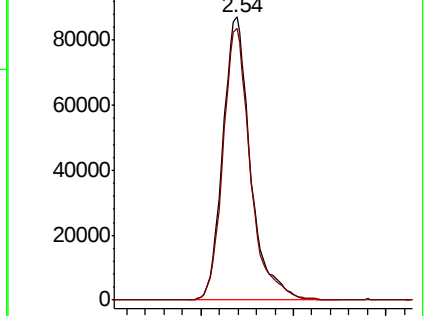
94 100

96 96.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 52.985 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN058813.D

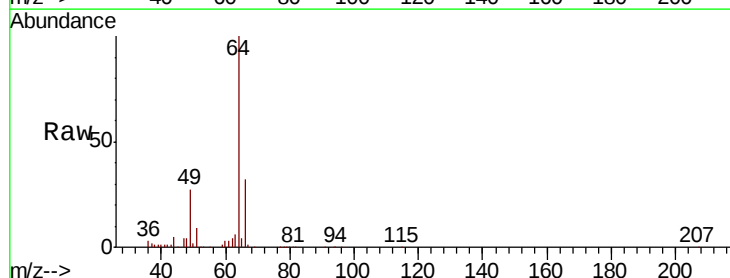
Acq: 16 Oct 2019 19:30

Tgt Ion: 64 Resp: 186551

Ion Ratio Lower Upper

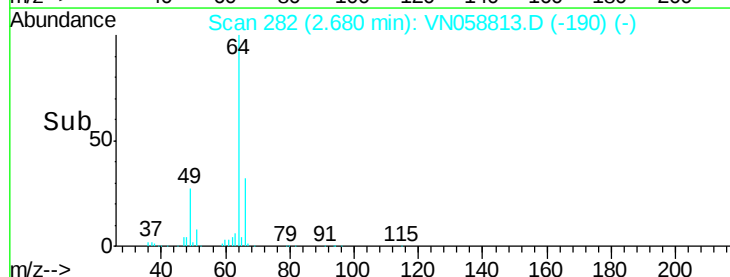
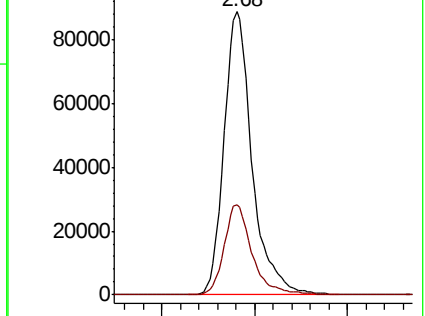
64 100

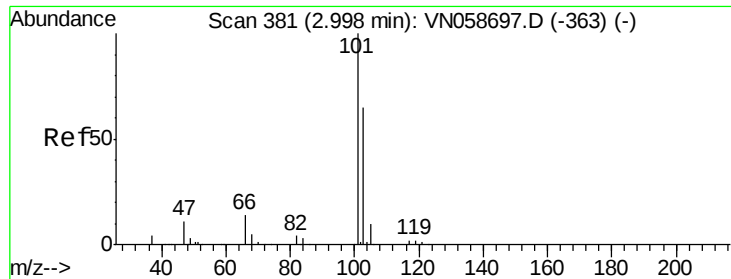
66 32.0 25.4 38.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



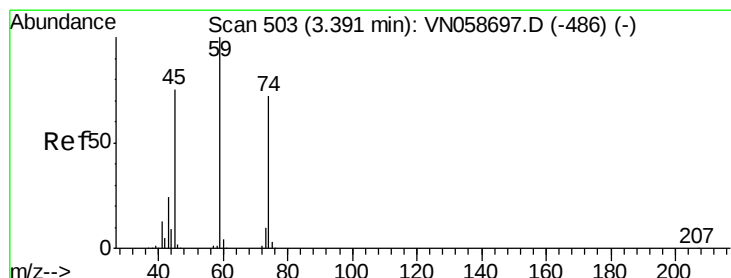
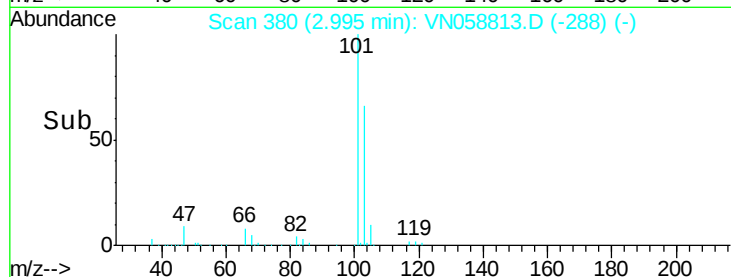
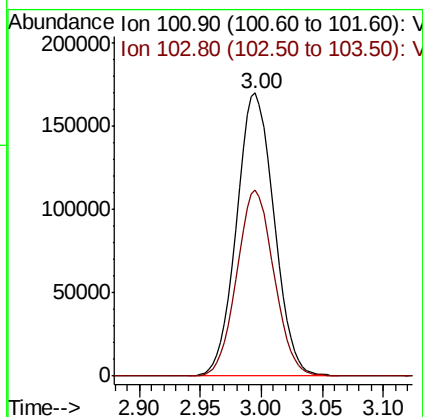
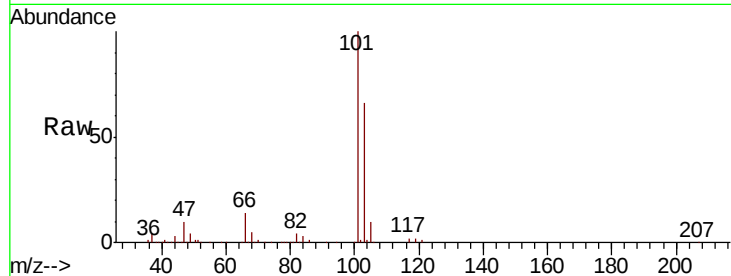


#7

Trichlorofluoromethane
 Concen: 52.976 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Instrument :
 MSVOA_N
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 VSTDCCC050EC

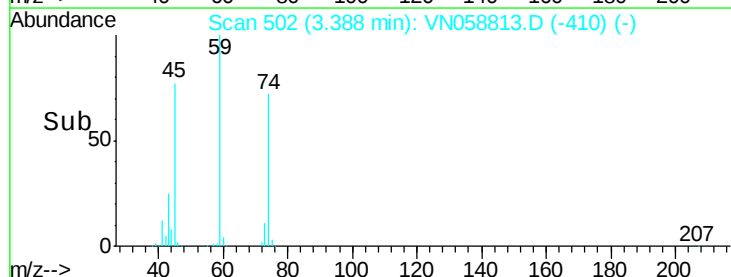
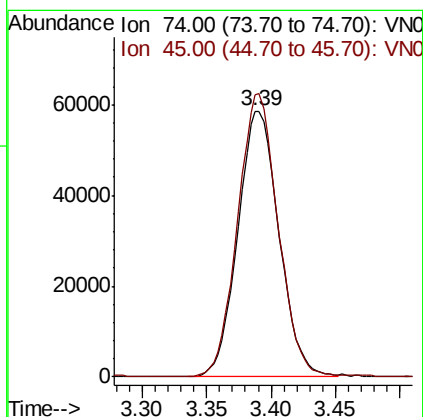
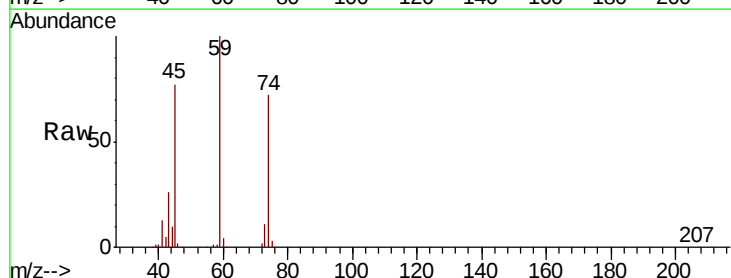
Tot Ion:101 Resp: 361892
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.8 77.6

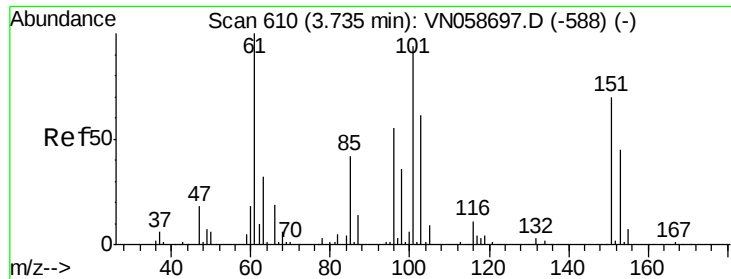


#8

Diethyl Ether
 Concen: 51.655 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion: 74 Resp: 130380
 Ion Ratio Lower Upper
 74 100
 45 104.8 51.3 154.0

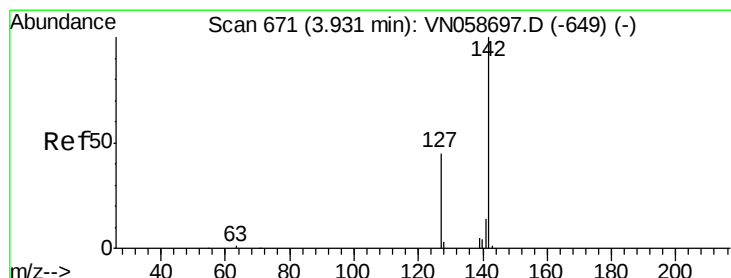
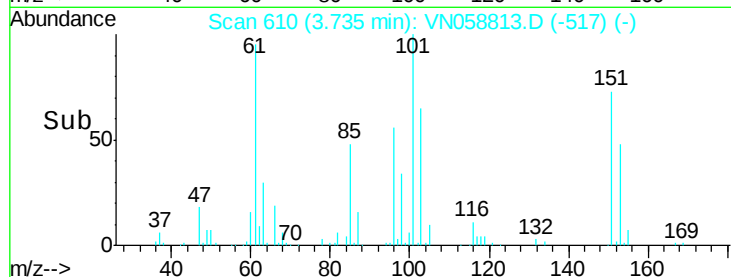
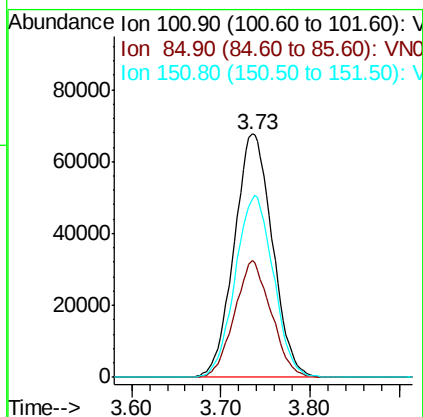
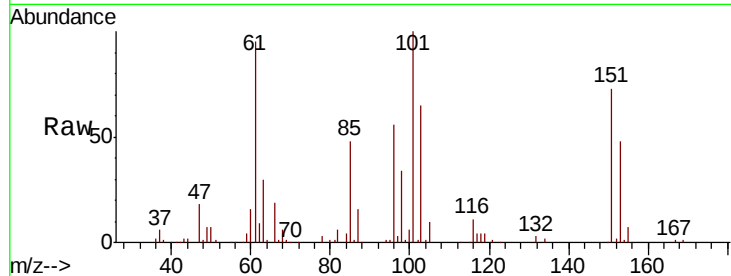




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 51.507 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

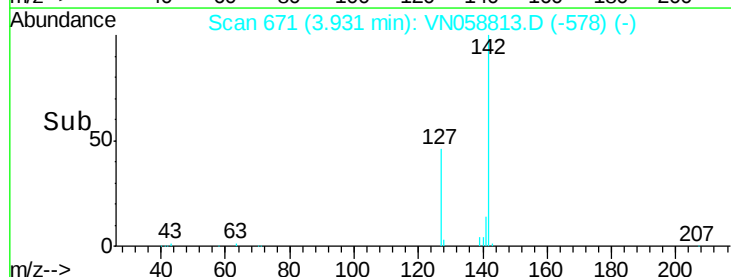
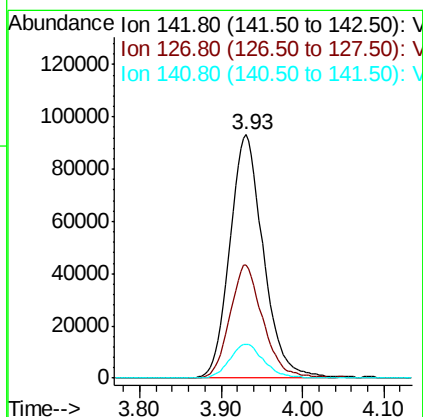
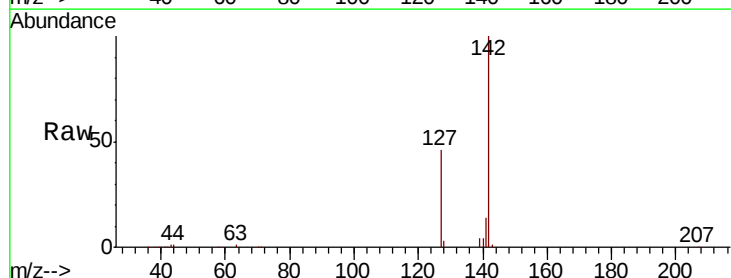
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

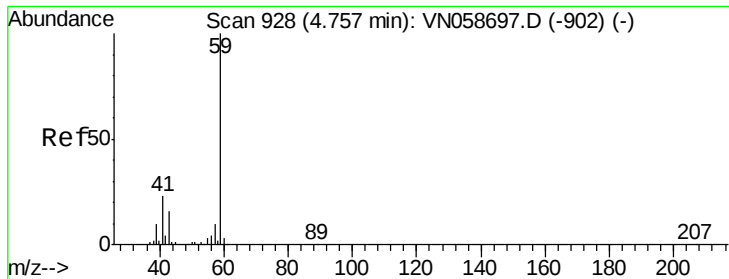
Tot Ion	Ratio	Lower	Upper
101	100		
85	46.1	37.0	55.6
151	74.8	61.8	92.6



#10
 Methyl Iodide
 Concen: 50.335 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.9	36.4	54.6
141	14.2	11.1	16.7



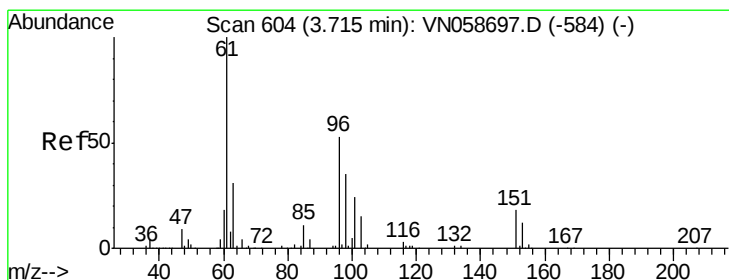
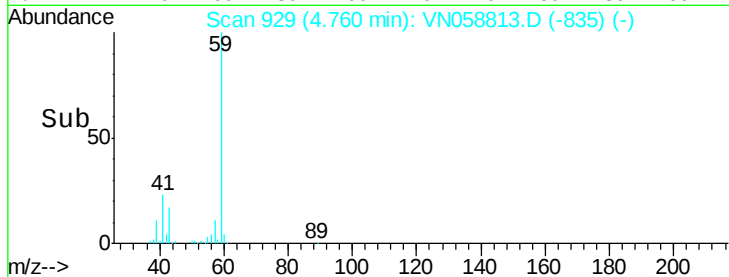
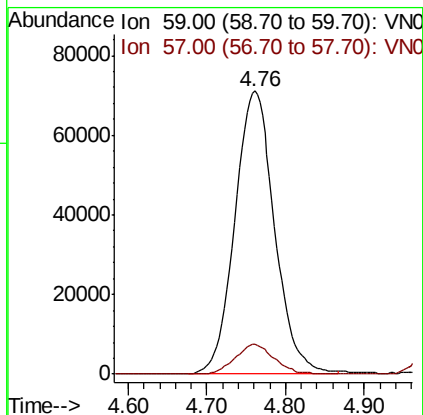
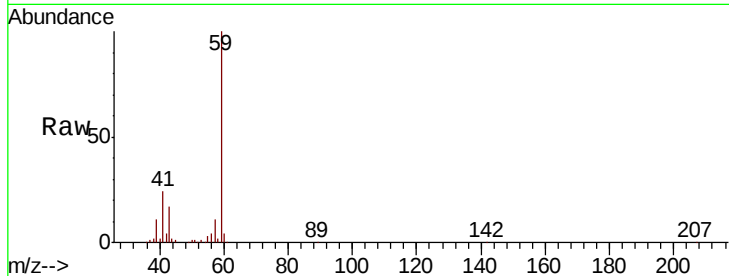


#11

Tert butyl alcohol
 Concen: 286.927 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

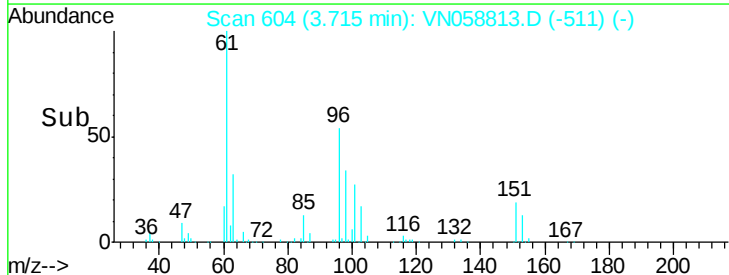
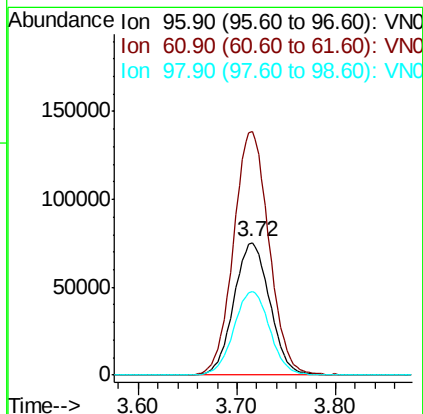
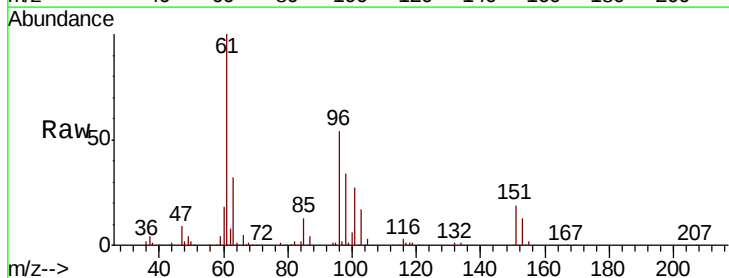
Tot Ion: 59 Resp: 251749
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.4 12.6

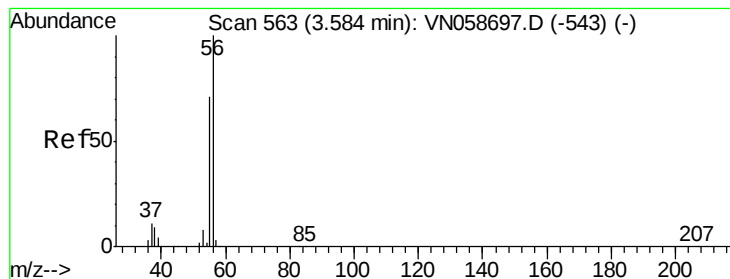


#12

1,1-Dichloroethene
 Concen: 51.339 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion: 96 Resp: 190794
 Ion Ratio Lower Upper
 96 100
 61 183.7 151.3 226.9
 98 62.8 52.6 78.8





#13

Acrolein

Concen: 192.286 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

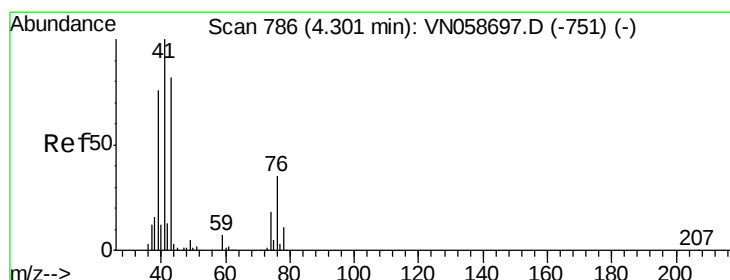
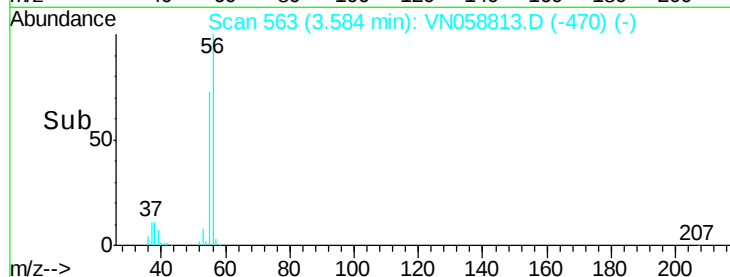
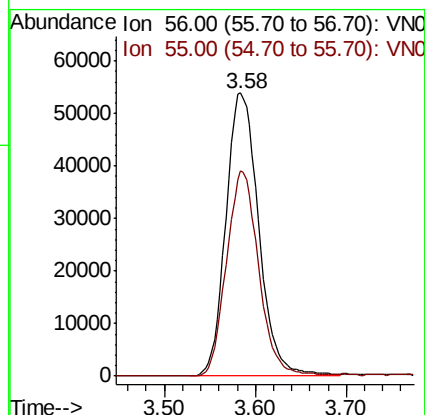
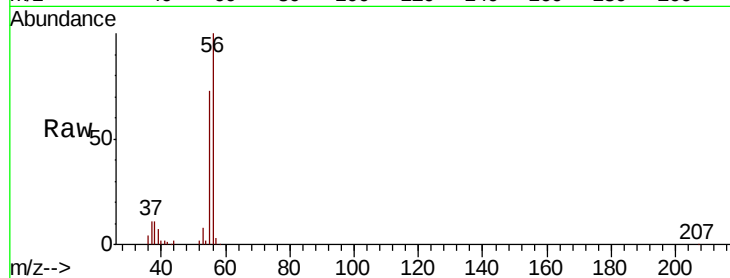
VSTDCCC050EC

Tot Ion: 56 Resp: 135686

Ion Ratio Lower Upper

56 100

55 70.9 56.7 85.1



#14

Allyl chloride

Concen: 52.121 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

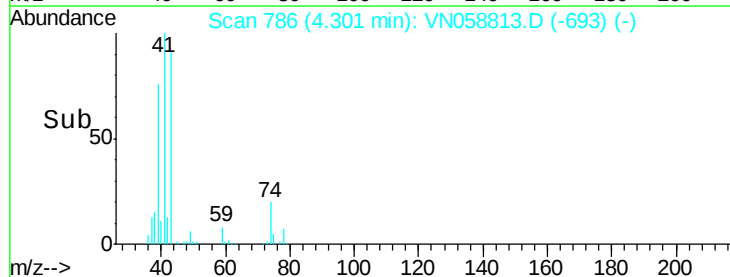
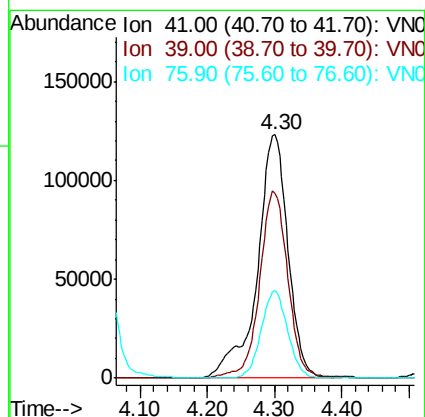
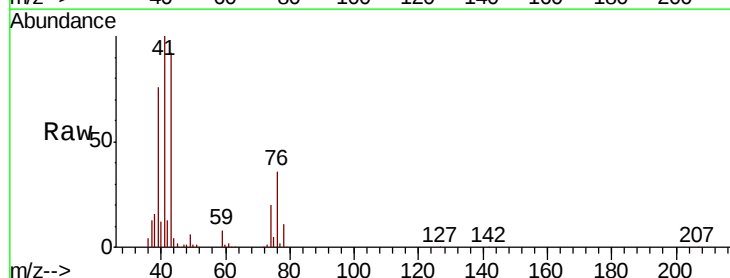
Tgt Ion: 41 Resp: 390899

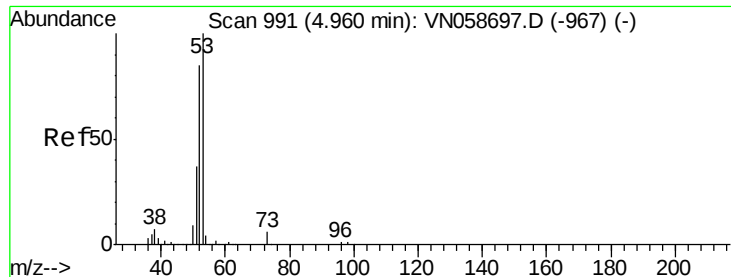
Ion Ratio Lower Upper

41 100

39 69.7 57.2 85.8

76 30.6 25.0 37.6





#15

Acrylonitrile

Concen: 283.659 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

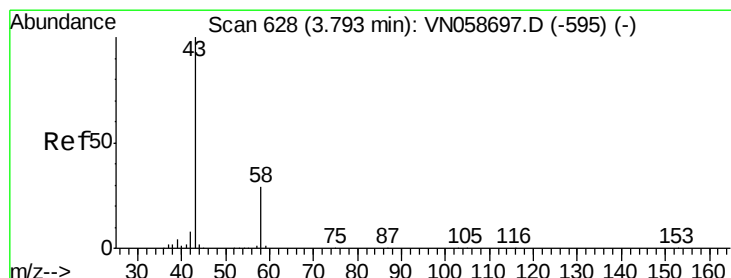
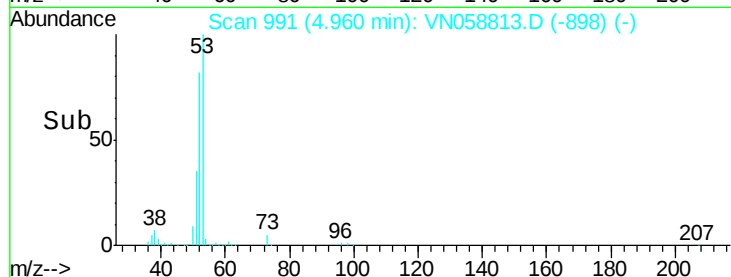
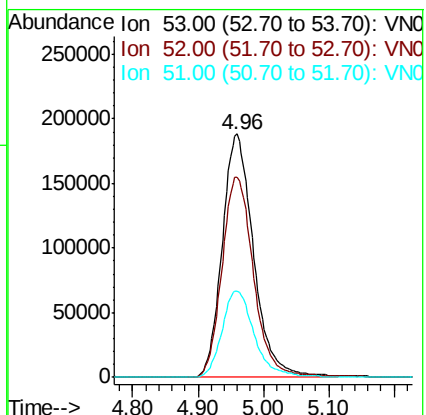
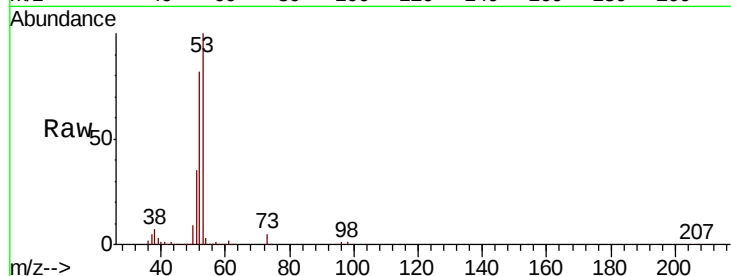
Tot Ion: 53 Resp: 627640

Ion Ratio Lower Upper

53 100

52 83.1 66.2 99.2

51 36.7 29.4 44.2



#16

Acetone

Concen: 265.820 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058813.D

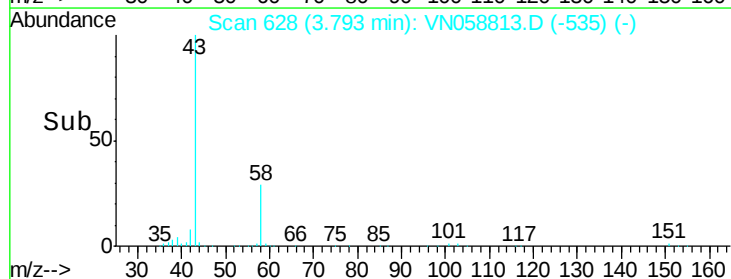
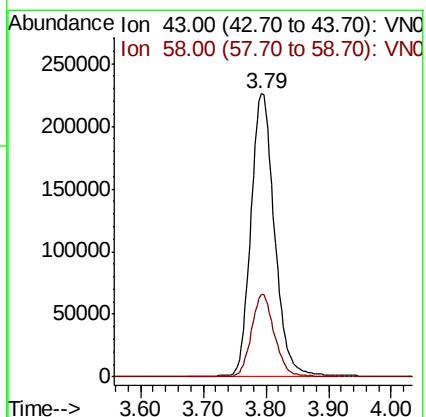
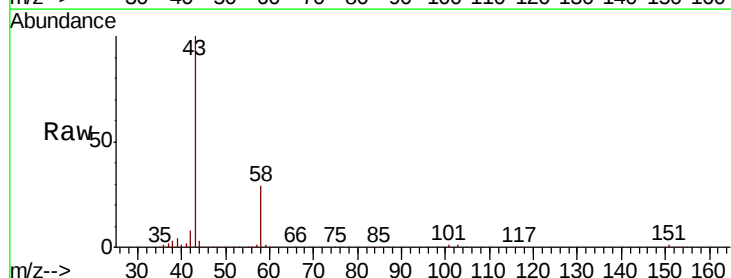
Acq: 16 Oct 2019 19:30

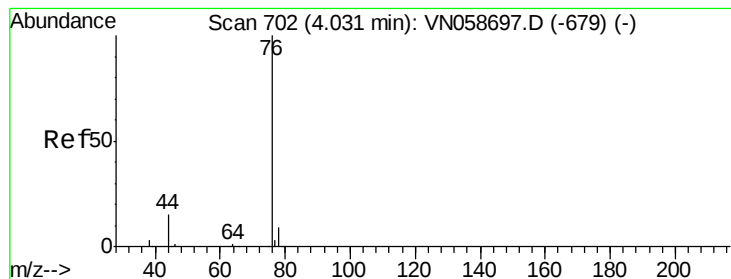
Tgt Ion: 43 Resp: 596200

Ion Ratio Lower Upper

43 100

58 29.0 23.3 34.9





#17

Carbon Disulfide

Concen: 47.273 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

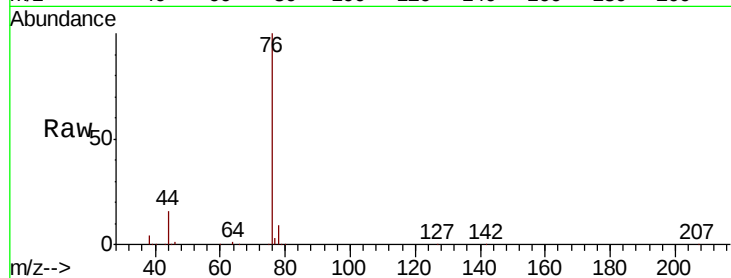
VSTDCCC050EC

Tot Ion: 76 Resp: 561582

Ion Ratio Lower Upper

76 100

78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058813.D (-609) (-)

Ion 77.90 (77.60 to 78.60): VN058813.D (-609) (-)

4.03

250000

200000

150000

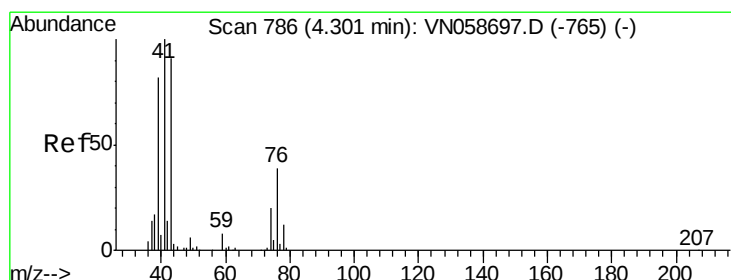
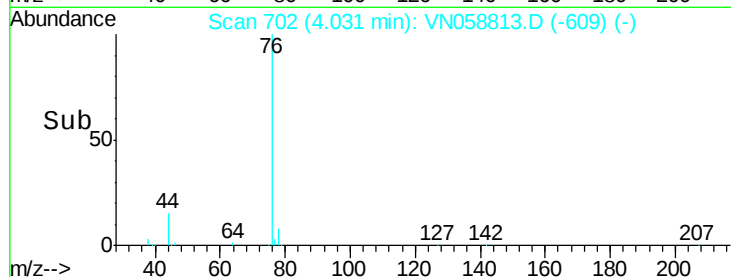
100000

50000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 56.875 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058813.D

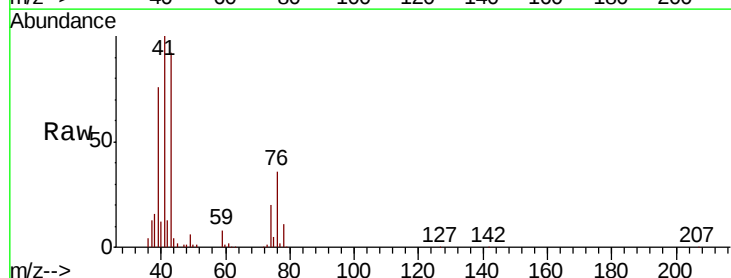
Acq: 16 Oct 2019 19:30

Tgt Ion: 43 Resp: 323576

Ion Ratio Lower Upper

43 100

74 21.5 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VN058813.D (-693) (-)

Ion 74.00 (73.70 to 74.70): VN058813.D (-693) (-)

4.30

120000

100000

80000

60000

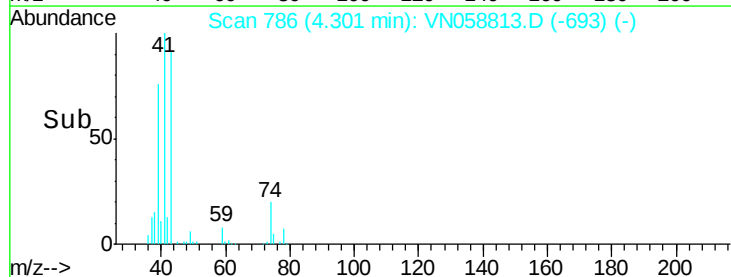
40000

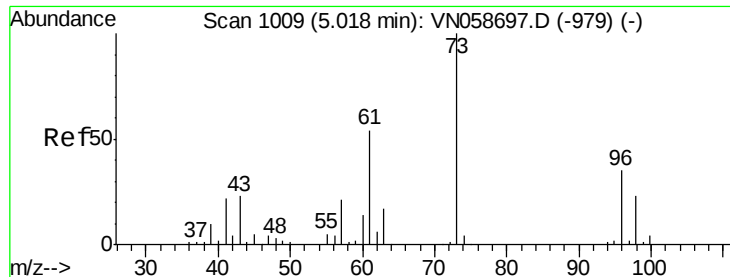
20000

0

Time-->

4.20 4.30 4.40 4.50





#19

Methyl tert-butyl Ether

Concen: 53.574 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

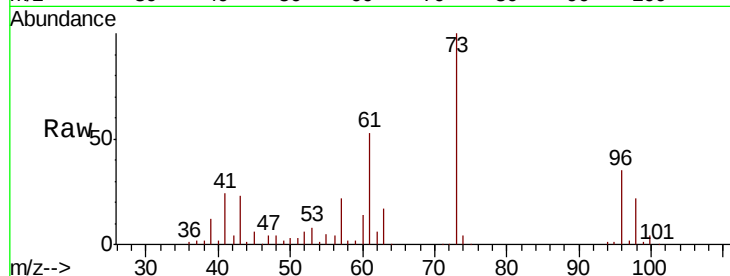
VSTDCCC050EC

Tot Ion: 73 Resp: 710951

Ion Ratio Lower Upper

73 100

57 22.2 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.02

200000

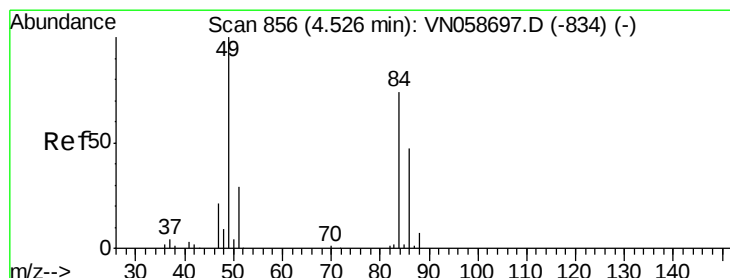
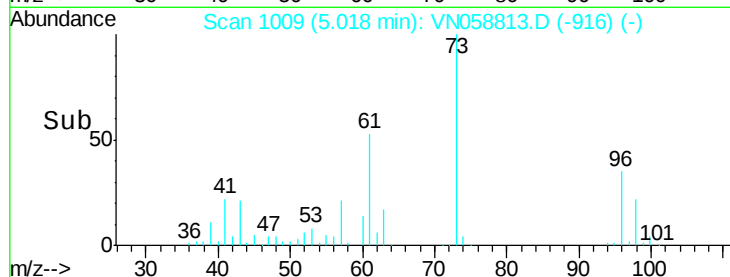
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 49.169 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion: 84 Resp: 230482

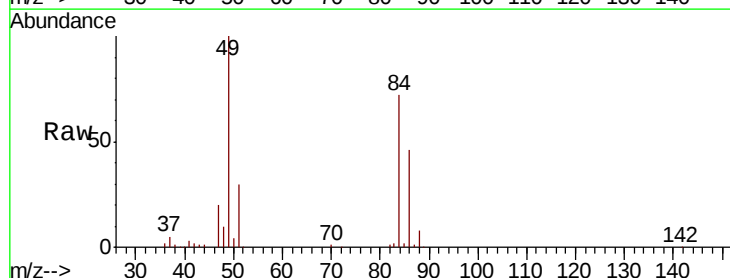
Ion Ratio Lower Upper

84 100

49 139.6 107.6 161.4

51 41.5 31.4 47.0

86 64.0 50.3 75.5



Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0

4.53

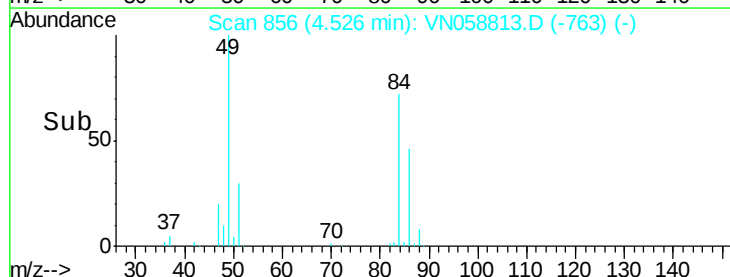
150000

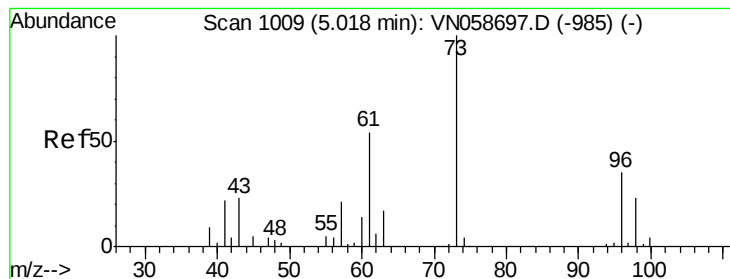
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 50.421 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

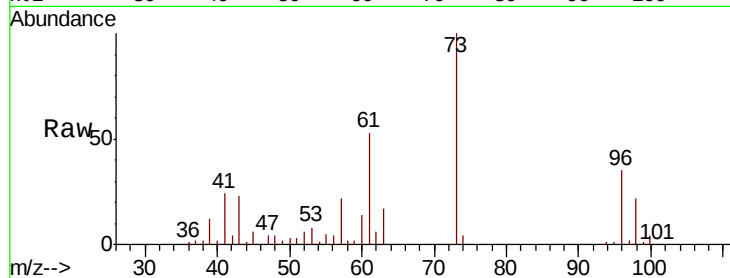
Tot Ion: 96 Resp: 209603

Ion Ratio Lower Upper

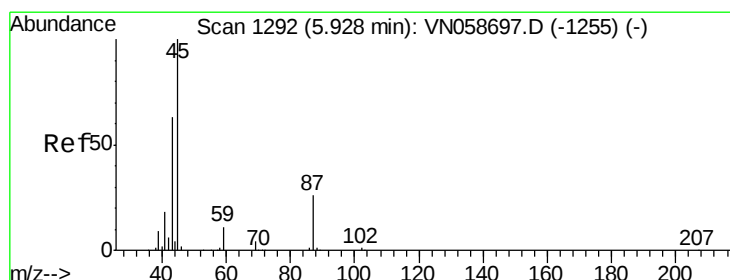
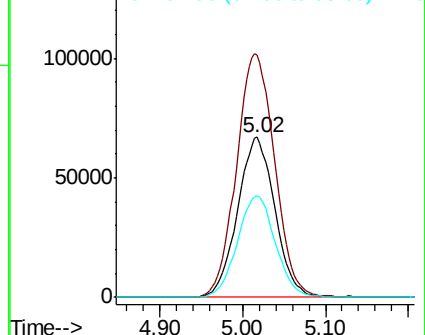
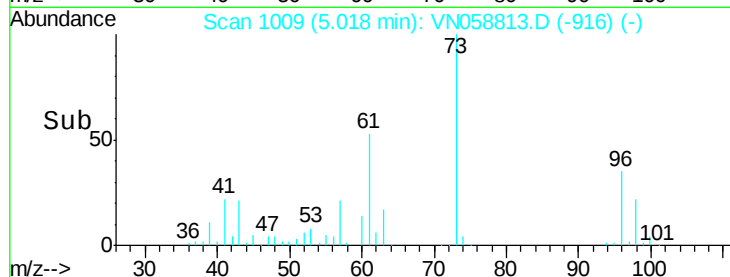
96 100

61 151.7 123.6 185.4

98 63.6 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VN058813.D (-916) (-)



#22

Diisopropyl ether

Concen: 54.616 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion: 45 Resp: 796426

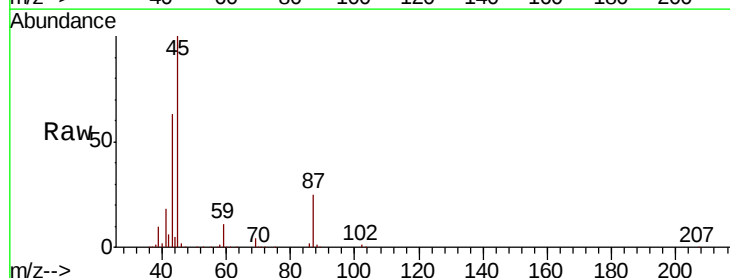
Ion Ratio Lower Upper

45 100

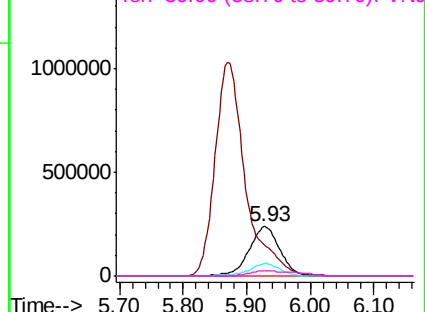
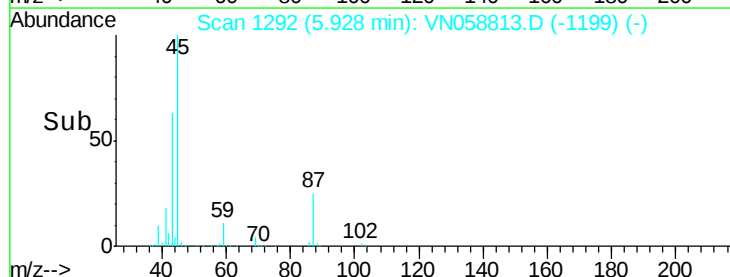
43 62.4 50.6 75.8

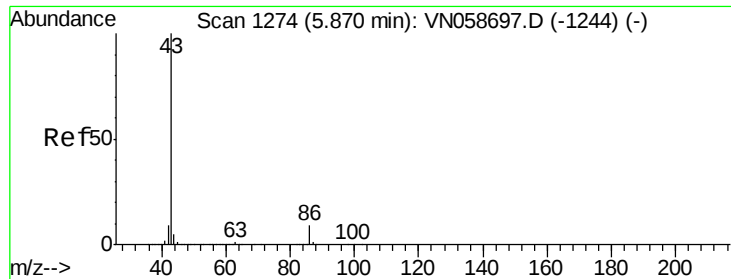
87 25.1 21.1 31.7

59 11.3 9.0 13.4



Abundance Ion 45.00 (44.70 to 45.70): VN058813.D (-1199) (-)





#23

Vinyl Acetate

Concen: 290.718 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

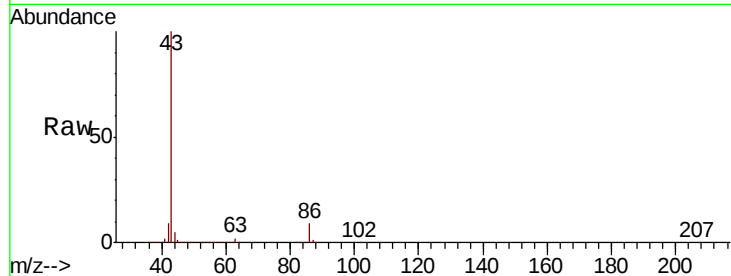
VSTDCCC050EC

Tot Ion: 43 Resp: 3420736

Ion Ratio Lower Upper

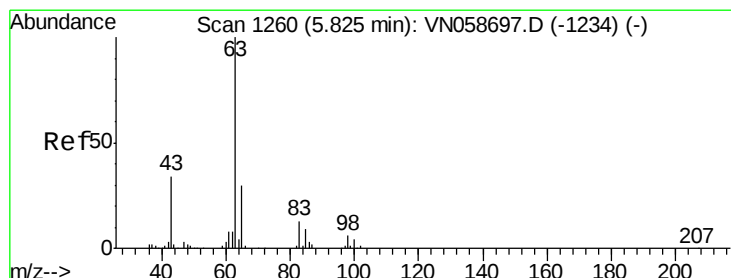
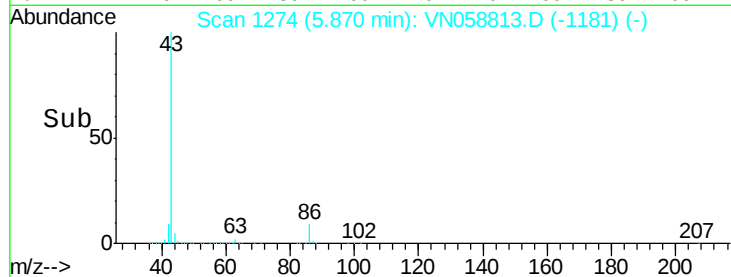
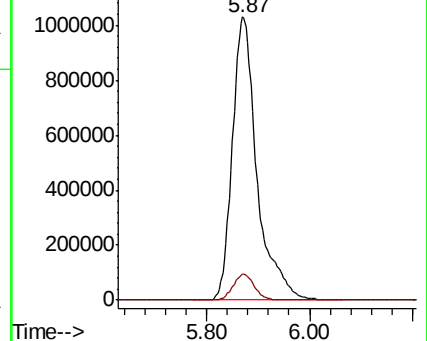
43 100

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



#24

1,1-Dichloroethane

Concen: 53.142 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

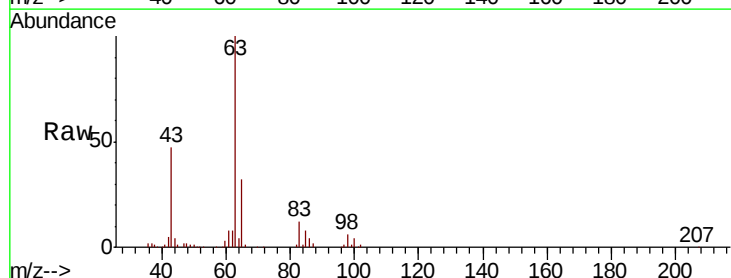
Tgt Ion: 63 Resp: 441349

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

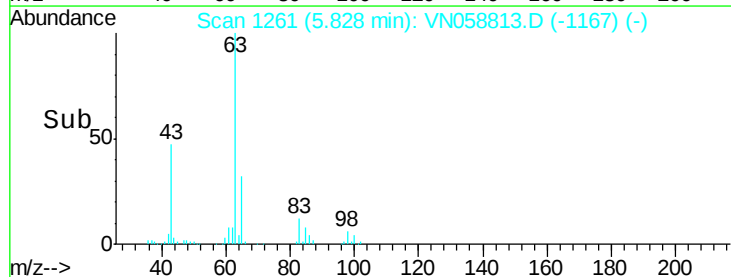
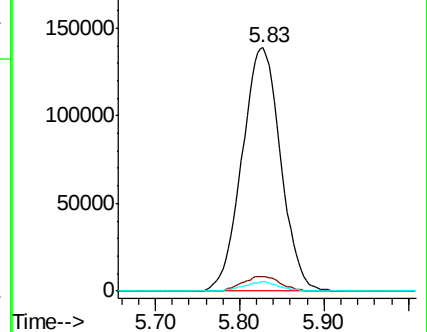
100 3.8 1.8 5.5

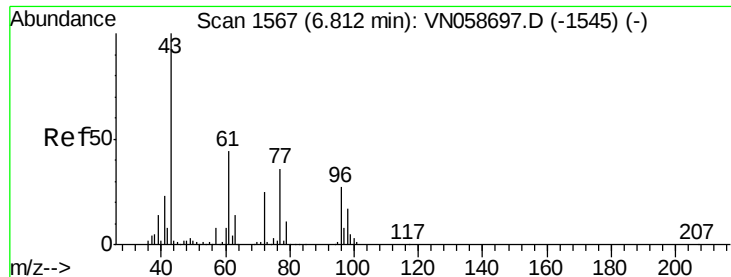


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 277.495 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

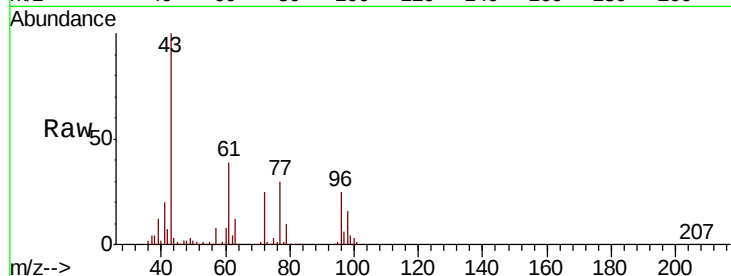
VSTDCCC050EC

Tot Ion: 43 Resp: 899593

Ion Ratio Lower Upper

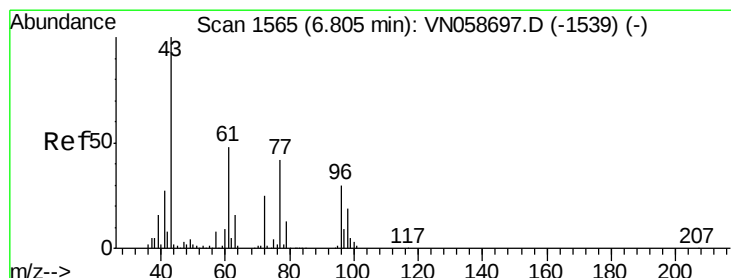
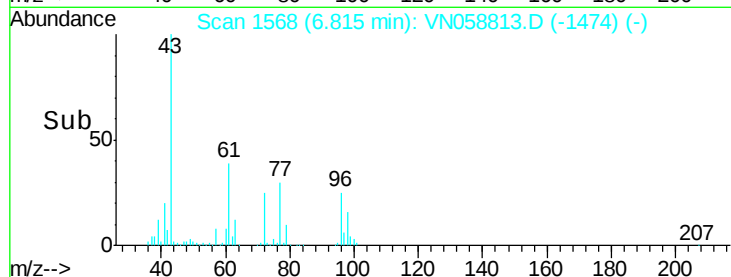
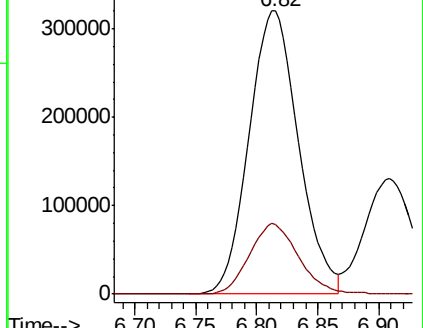
43 100

72 24.8 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN058813.D (-1474) (-)

Ion 72.00 (71.70 to 72.70): VN058813.D (-1474) (-)



#26

2,2-Dichloropropane

Concen: 47.456 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN058813.D

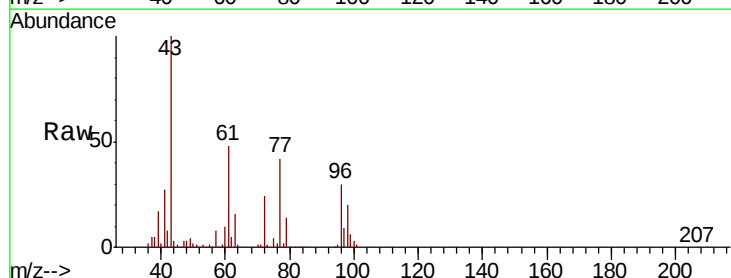
Acq: 16 Oct 2019 19:30

Tgt Ion: 77 Resp: 359776

Ion Ratio Lower Upper

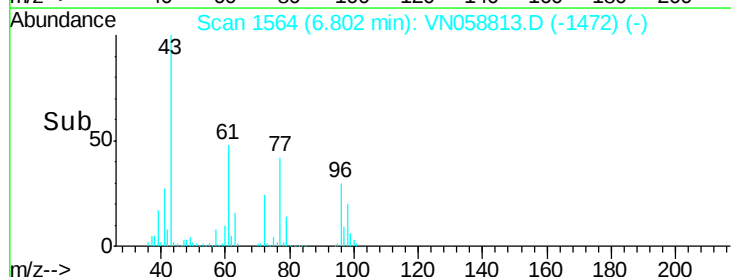
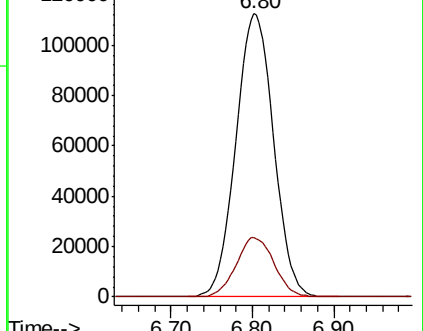
77 100

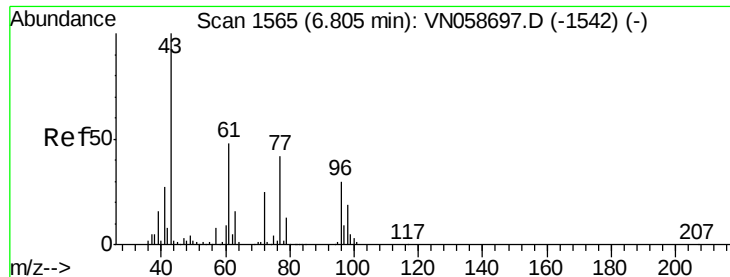
97 21.0 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN058813.D (-1472) (-)

Ion 96.90 (96.60 to 97.60): VN058813.D (-1472) (-)





#27

cis-1,2-Dichloroethene

Concen: 50.838 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

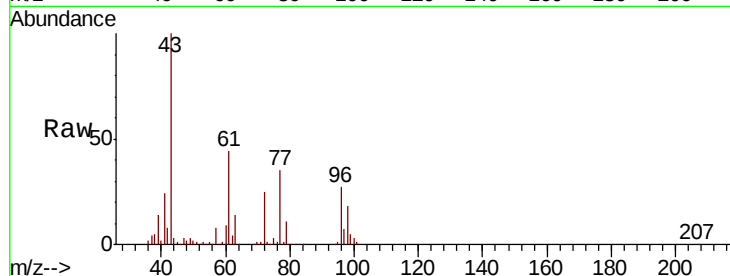
Tot Ion: 96 Resp: 246442

Ion Ratio Lower Upper

96 100

61 161.0 0.0 324.8

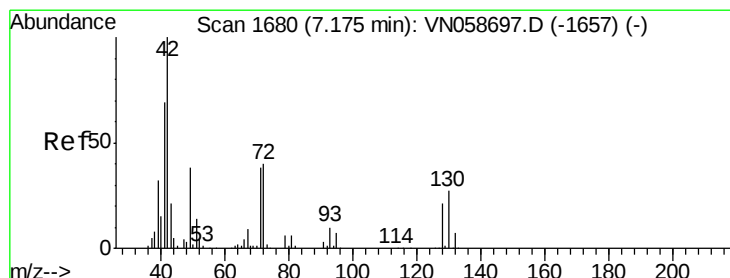
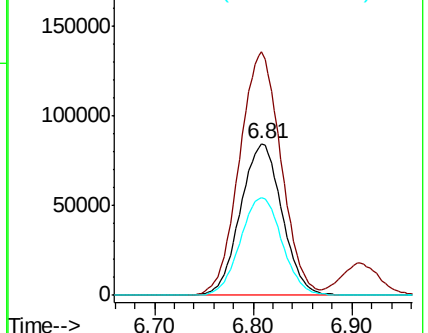
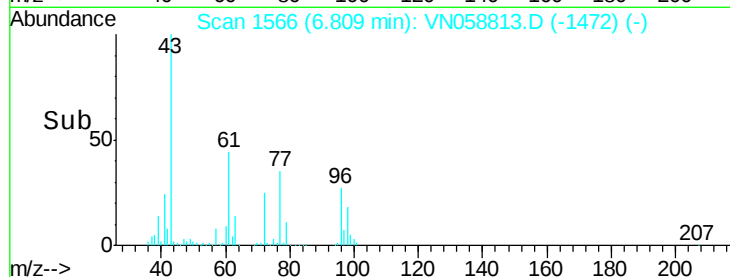
98 64.8 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN058813.D (-1472) (-)

Ion 60.90 (60.60 to 61.60): VN058813.D (-1472) (-)

Ion 97.90 (97.60 to 98.60): VN058813.D (-1472) (-)



#28

Bromochloromethane

Concen: 52.980 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

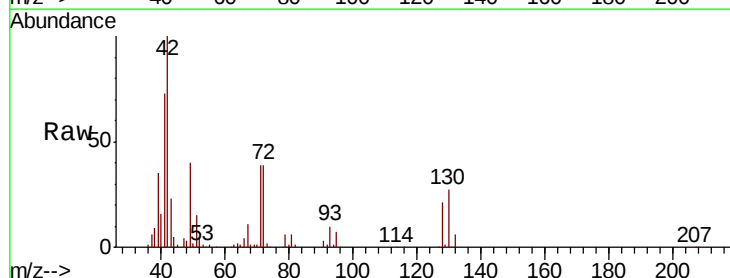
Tgt Ion: 49 Resp: 153075

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.6

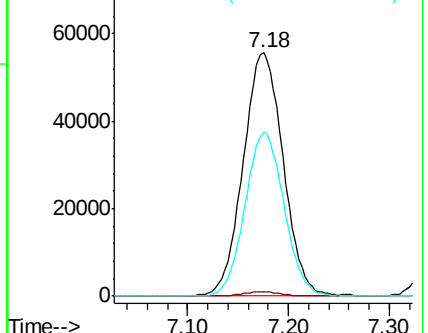
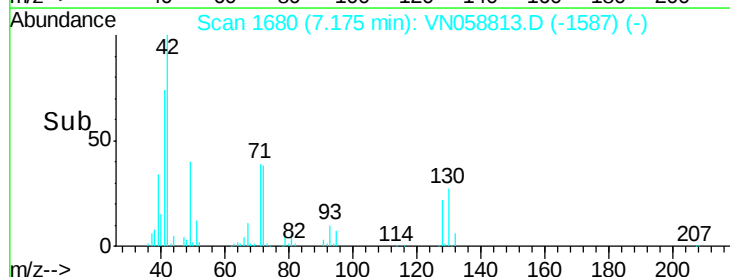
130 65.7 55.0 82.4

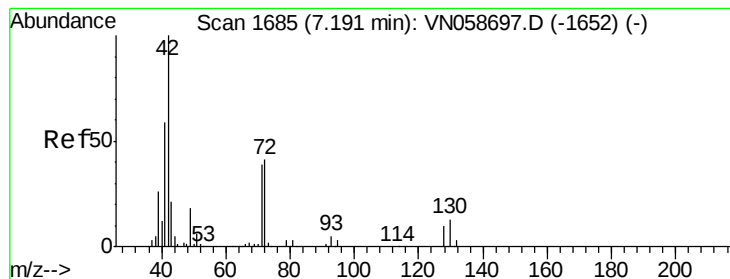


Abundance Ion 48.90 (48.60 to 49.60): VN058813.D (-1587) (-)

Ion 128.80 (128.50 to 129.50): VN058813.D (-1587) (-)

Ion 129.80 (129.50 to 130.50): VN058813.D (-1587) (-)





#29

Tetrahydrofuran

Concen: 280.050 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

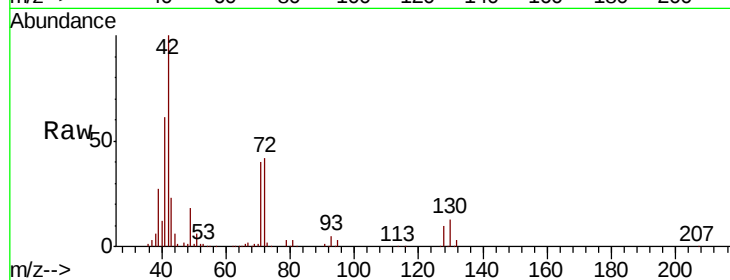
Tot Ion: 42 Resp: 586698

Ion Ratio Lower Upper

42 100

72 40.9 32.8 49.2

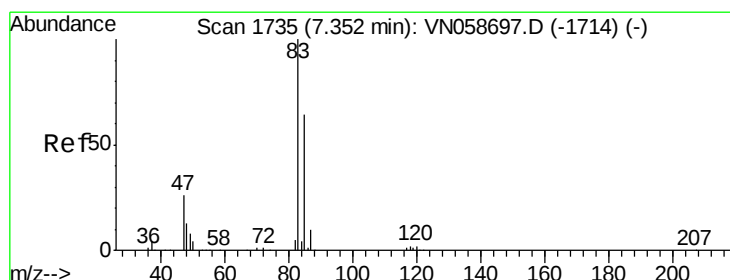
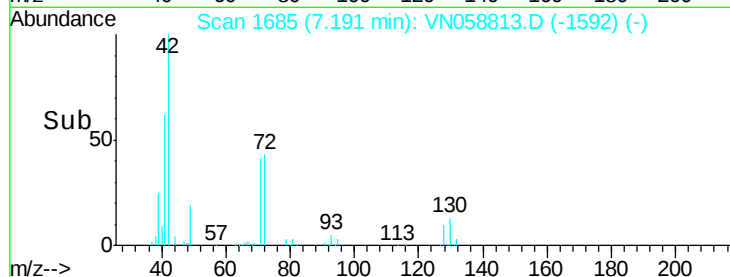
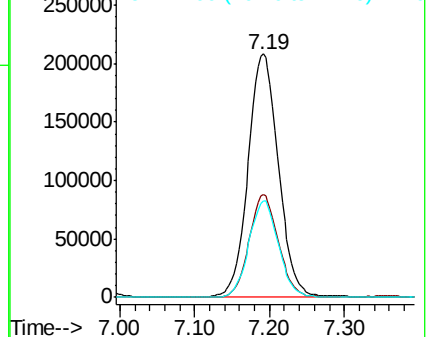
71 38.6 31.1 46.7



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 51.565 ug/l

RT: 7.35 min Scan# 1735

Delta R.T. 0.00 min

Lab File: VN058813.D

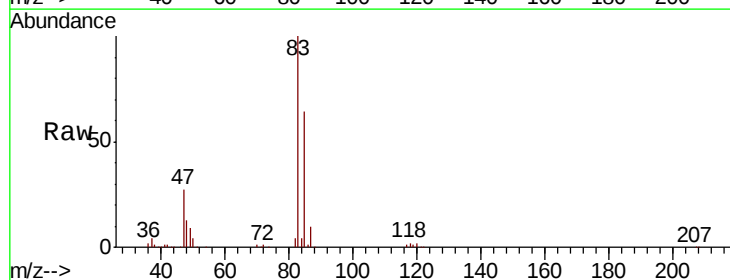
Acq: 16 Oct 2019 19:30

Tgt Ion: 83 Resp: 430264

Ion Ratio Lower Upper

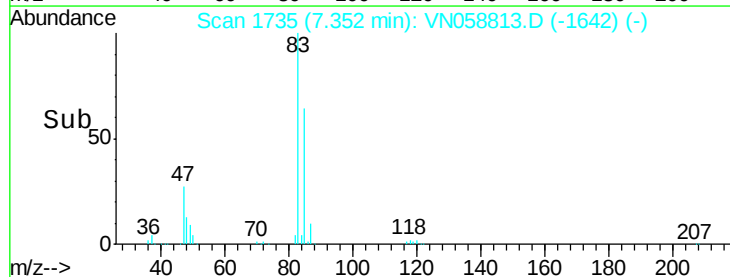
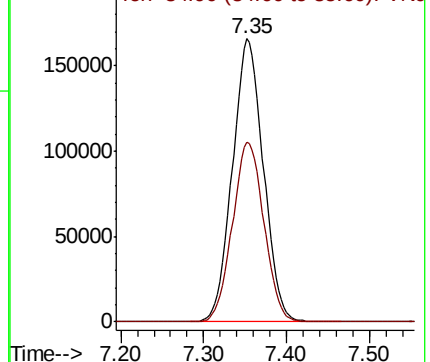
83 100

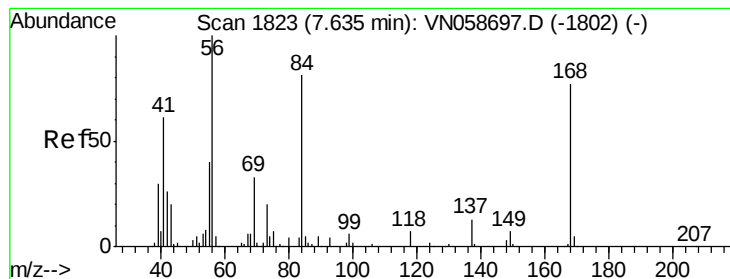
85 63.6 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 49.063 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

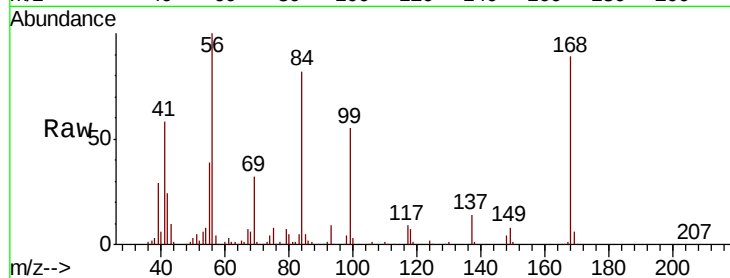
Tot Ion: 56 Resp: 389873

Ion Ratio Lower Upper

56 100

69 32.2 26.2 39.4

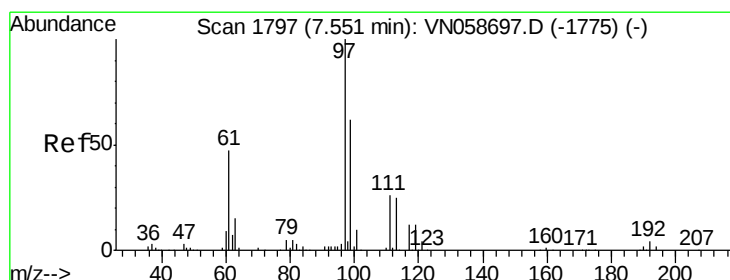
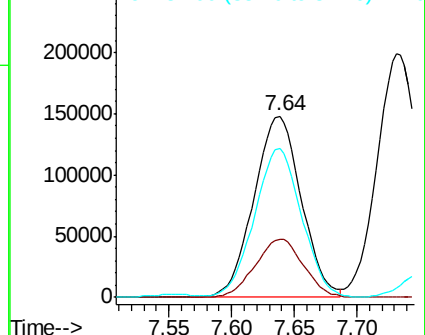
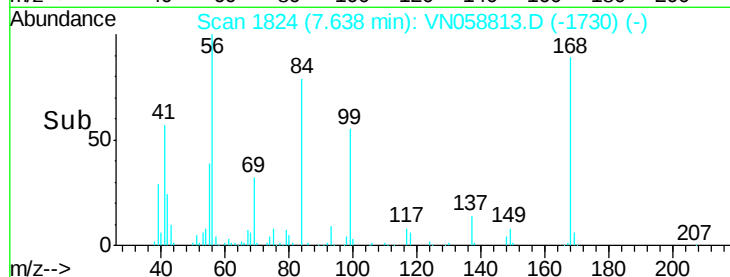
84 81.0 64.9 97.3



Abundance Ion 56.00 (55.70 to 56.70): VN058813.D (-1730) (-)

Ion 69.00 (68.70 to 69.70): VN058813.D (-1730) (-)

Ion 84.00 (83.70 to 84.70): VN058813.D (-1730) (-)



#32

1,1,1-Trichloroethane

Concen: 53.306 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

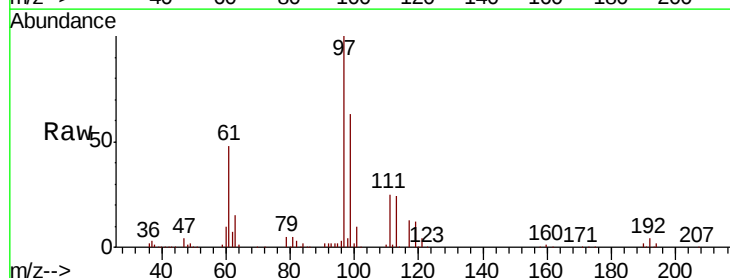
Tgt Ion: 97 Resp: 379331

Ion Ratio Lower Upper

97 100

99 63.0 50.8 76.2

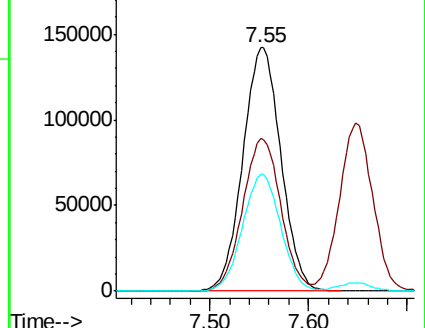
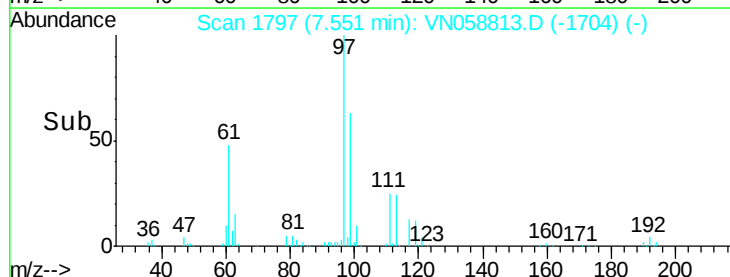
61 48.0 38.1 57.1

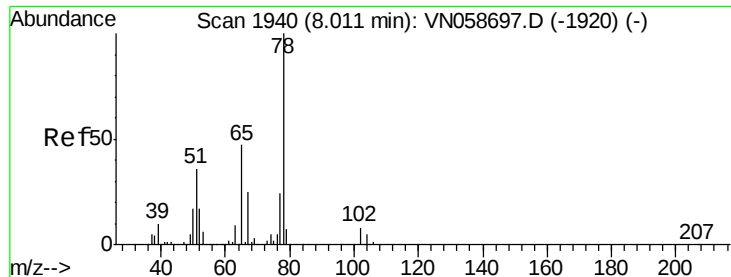


Abundance Ion 96.90 (96.60 to 97.60): VN058813.D (-1704) (-)

Ion 98.90 (98.60 to 99.60): VN058813.D (-1704) (-)

Ion 60.90 (60.60 to 61.60): VN058813.D (-1704) (-)





#33

1,2-Dichloroethane-d4

Concen: 51.809 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

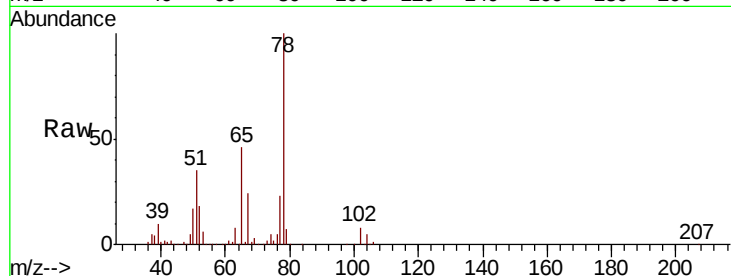
VSTDCCC050EC

Tot Ion: 65 Resp: 280685

Ion Ratio Lower Upper

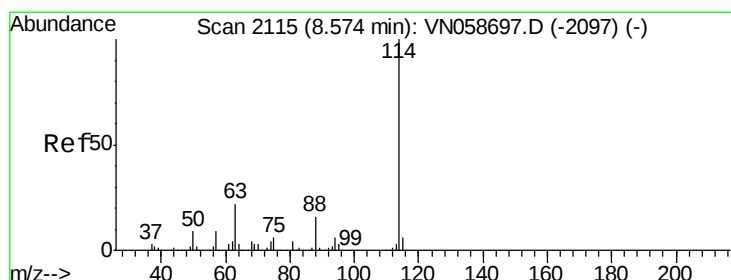
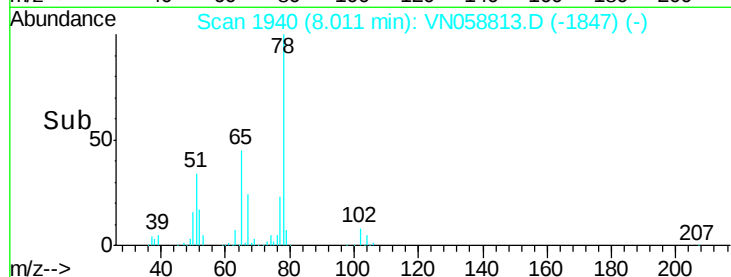
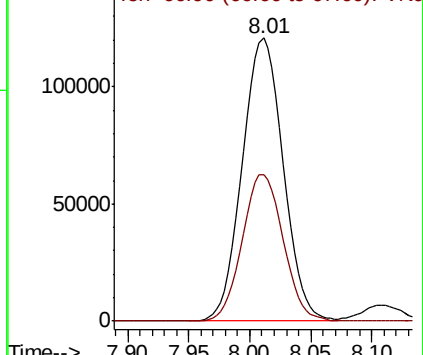
65 100

67 51.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

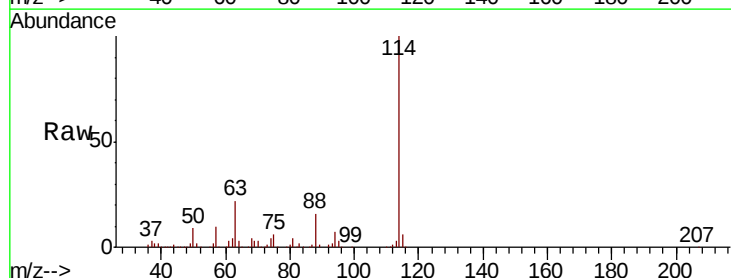
Tgt Ion: 114 Resp: 618107

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

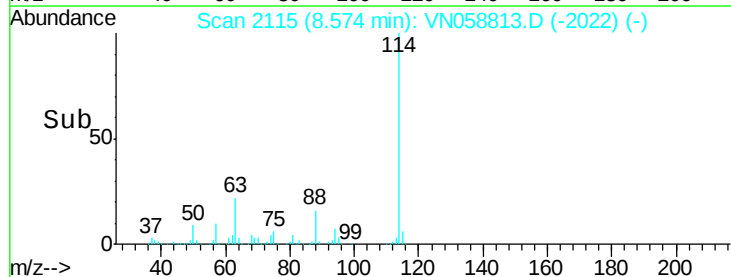
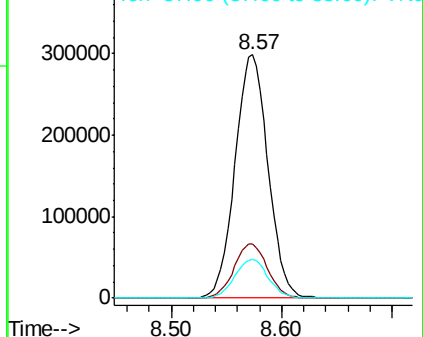
88 15.9 0.0 32.0

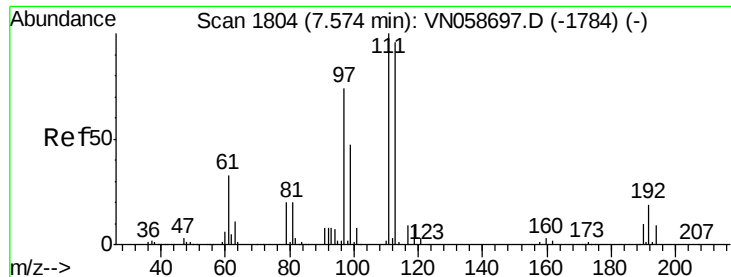


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

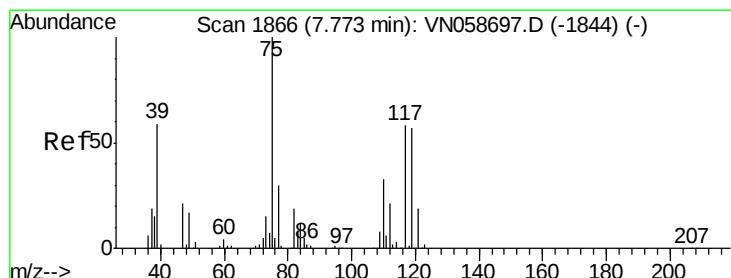
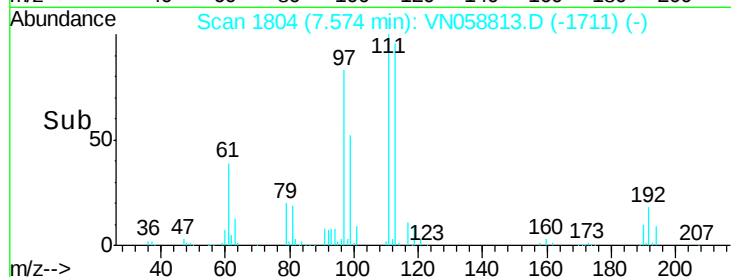
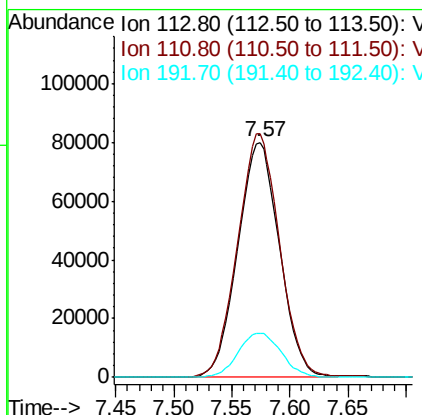
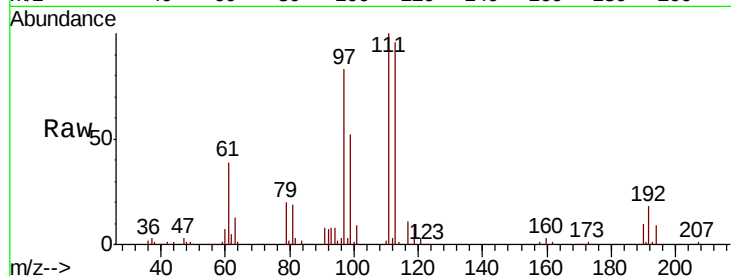




#35
 Dibromofluoromethane
 Concen: 52.426 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

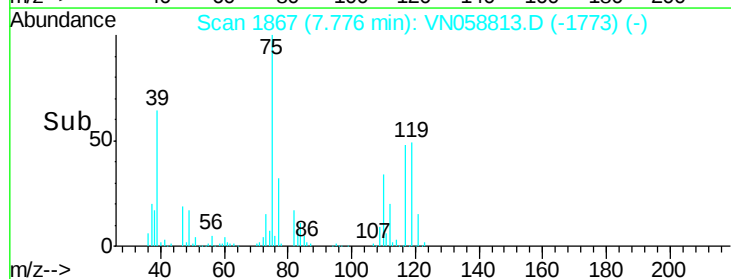
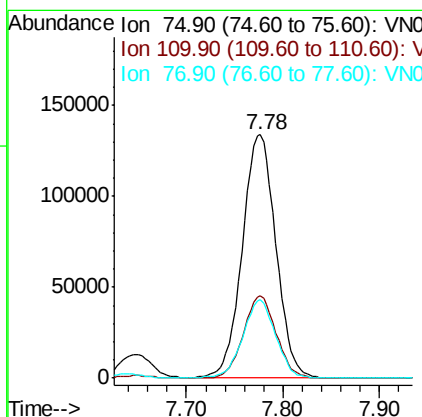
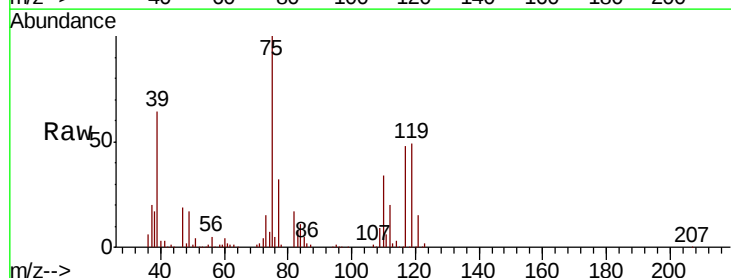
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

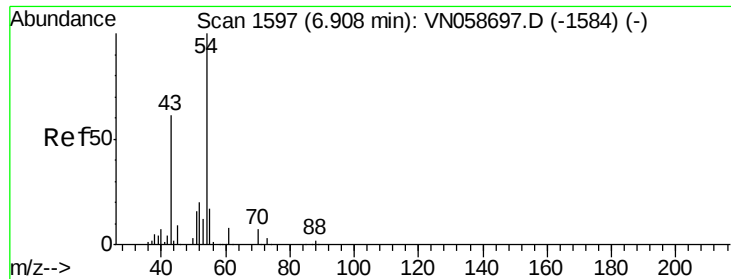
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.6	82.3	123.5
192	19.4	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 51.585 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.6	49.8
77	31.7	24.6	37.0

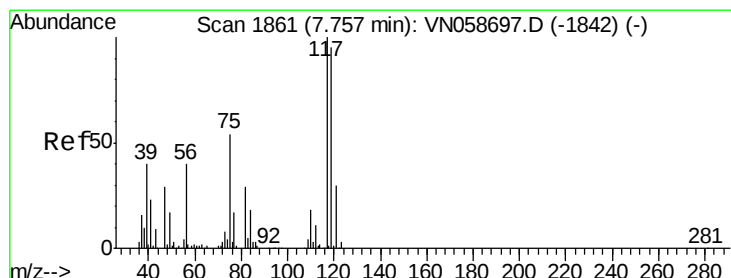
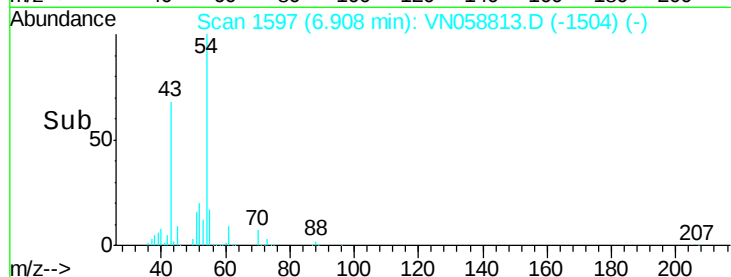
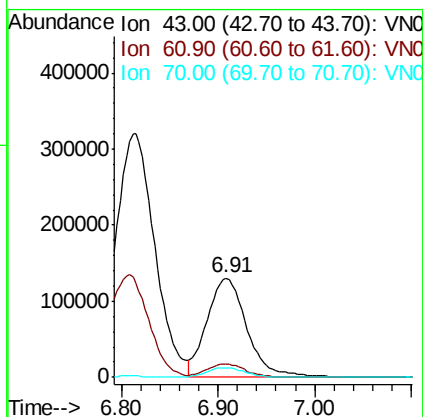
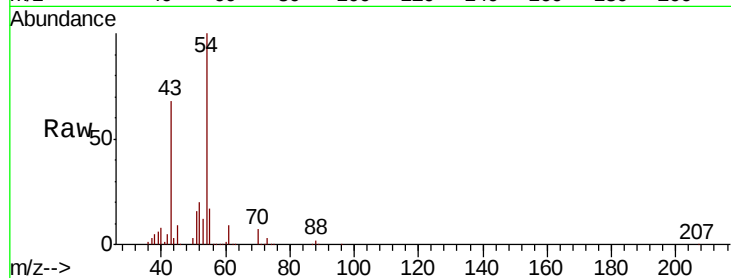




#37
Ethyl Acetate
Concen: 58.164 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

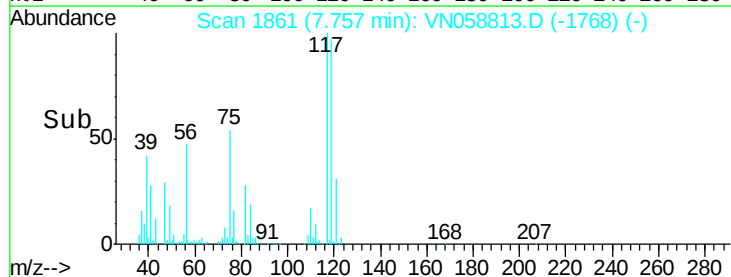
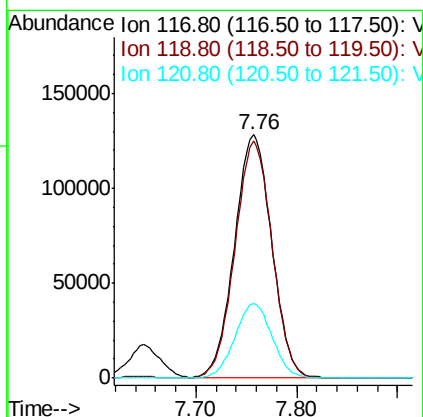
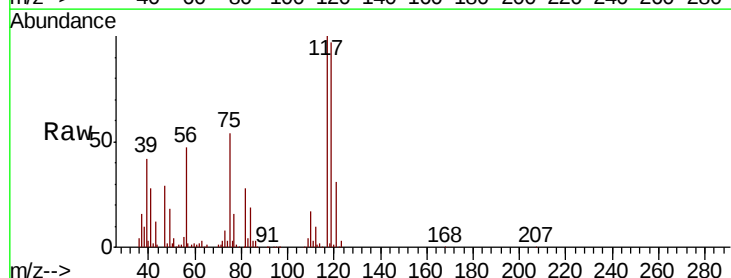
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

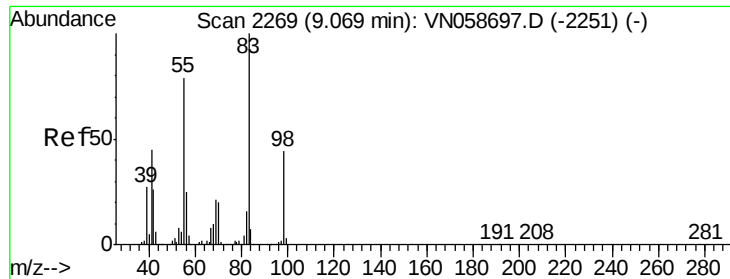
Tot Ion: 43 Resp: 367615
Ion Ratio Lower Upper
43 100
61 12.9 11.3 16.9
70 9.7 7.2 10.8



#38
Carbon Tetrachloride
Concen: 54.120 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion: 117 Resp: 329632
Ion Ratio Lower Upper
117 100
119 97.3 75.7 113.5
121 30.5 23.9 35.9

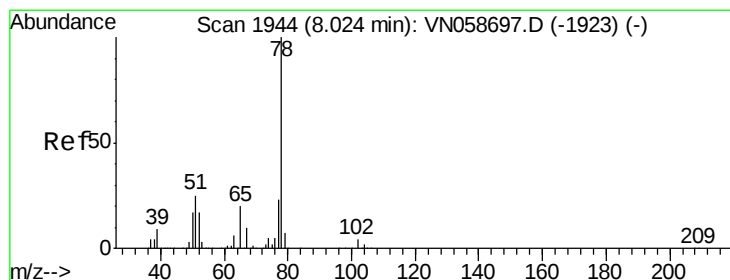
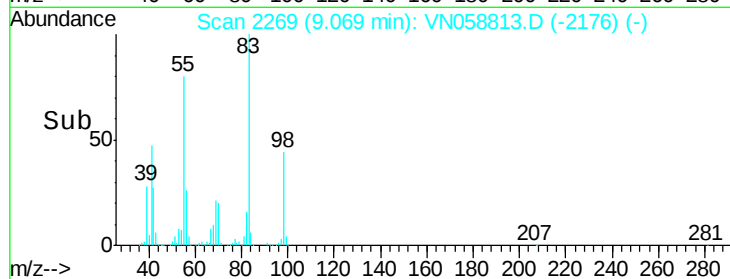
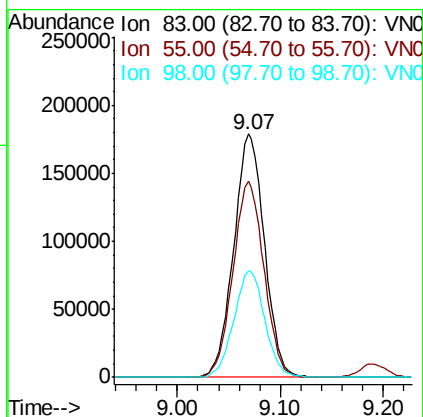
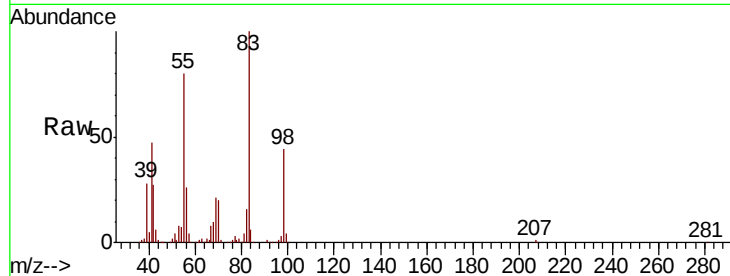




#39
Methvlcvclohexane
Concen: 51.152 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

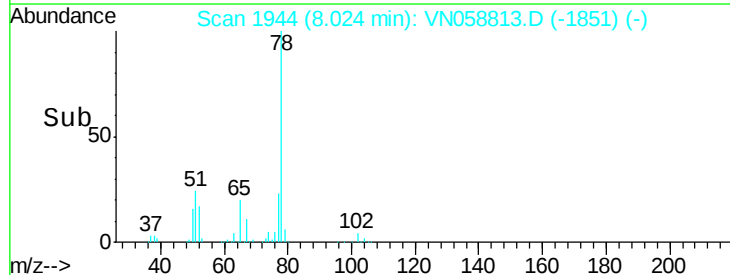
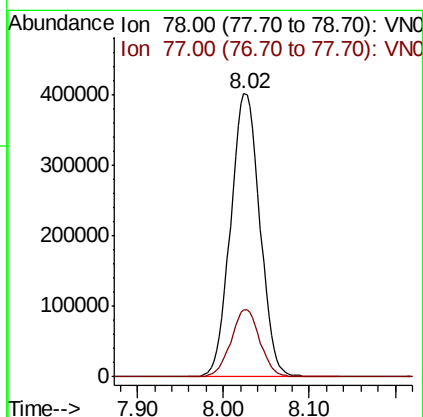
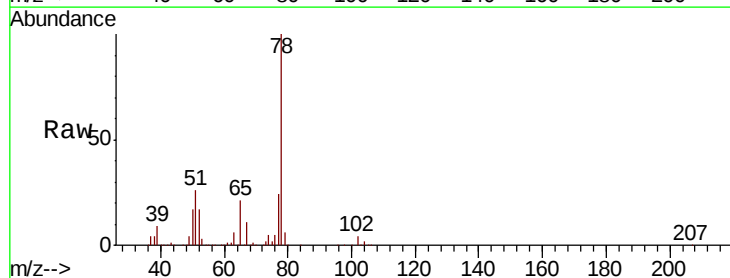
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

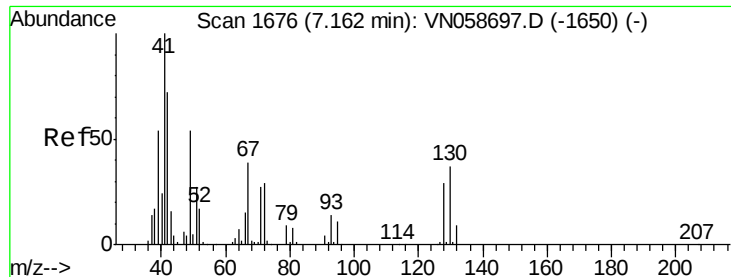
Tot Ion: 83 Resp: 370944
Ion Ratio Lower Upper
83 100
55 80.4 63.4 95.0
98 44.0 35.1 52.7



#40
Benzene
Concen: 52.880 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion: 78 Resp: 949108
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

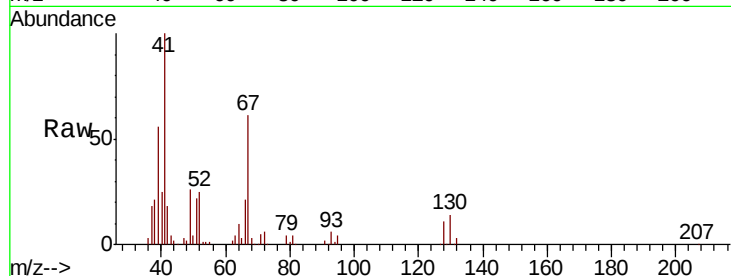




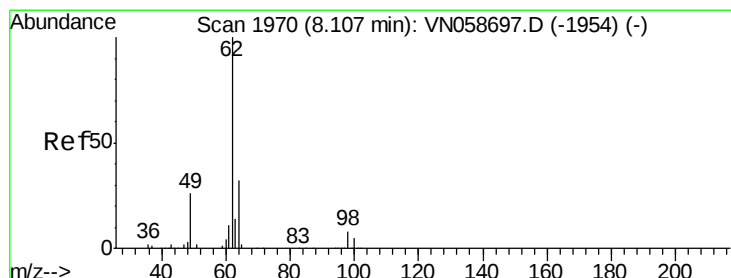
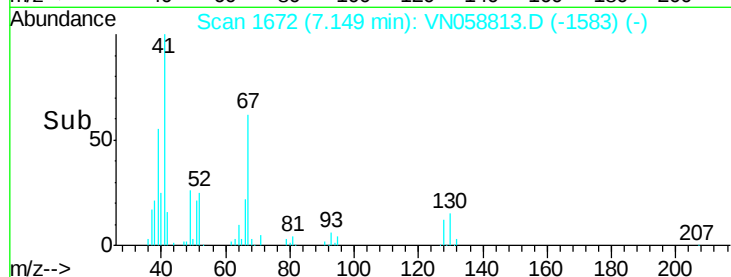
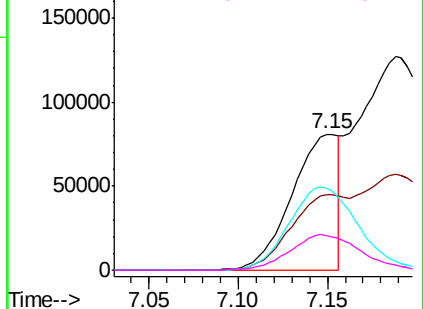
#41
Methacrylonitrile
Concen: 49.518 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 41 Resp: 146504
Ion Ratio Lower Upper
41 100
39 67.4 115.4 173.2#
67 91.4 0.0 0.0#
52 38.9 0.0 0.0#

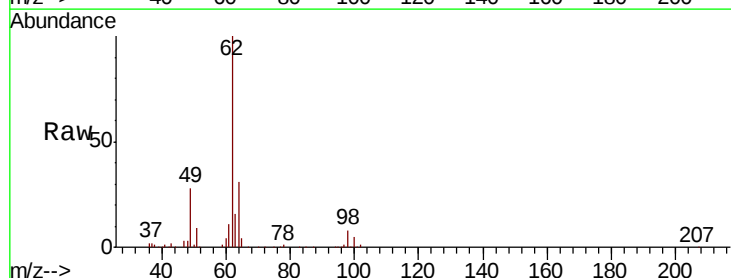


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

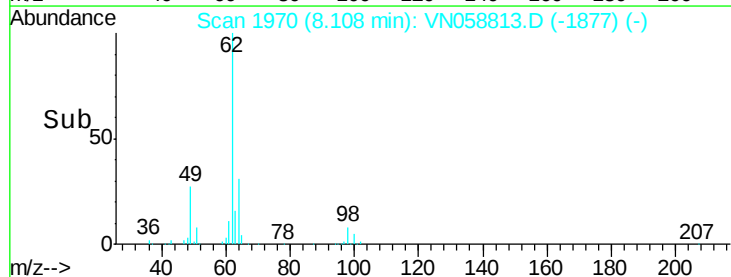
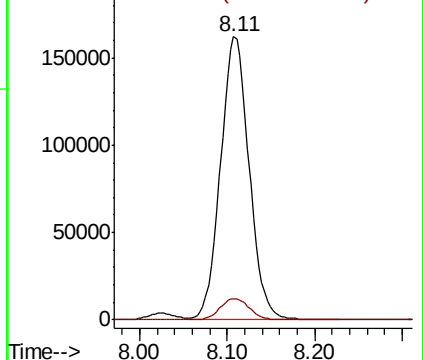


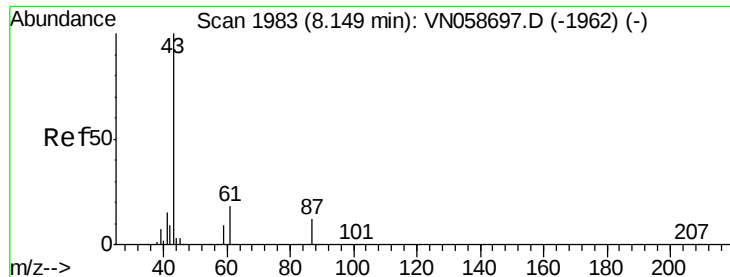
#42
1,2-Dichloroethane
Concen: 53.337 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion: 62 Resp: 367790
Ion Ratio Lower Upper
62 100
98 7.8 0.0 15.8



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

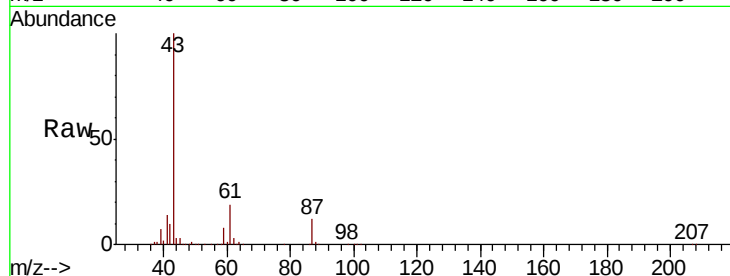




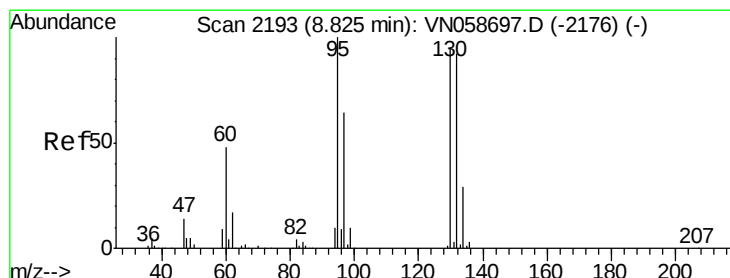
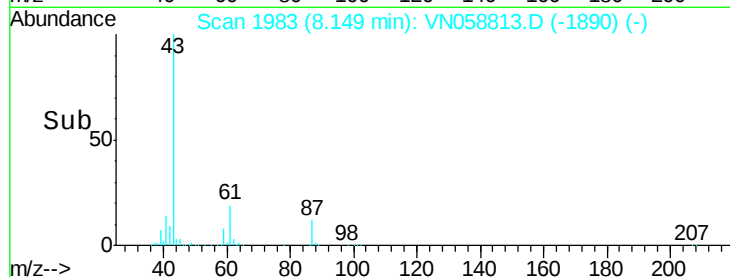
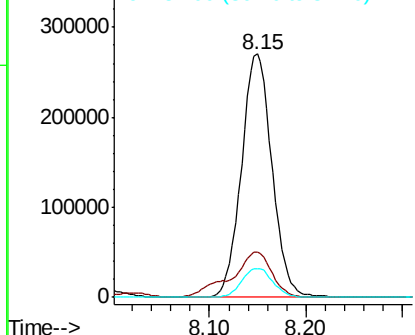
#43
Isopropyl Acetate
Concen: 54.857 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 590638
Ion Ratio Lower Upper
43 100
61 25.1 20.3 30.5
87 12.1 9.8 14.6

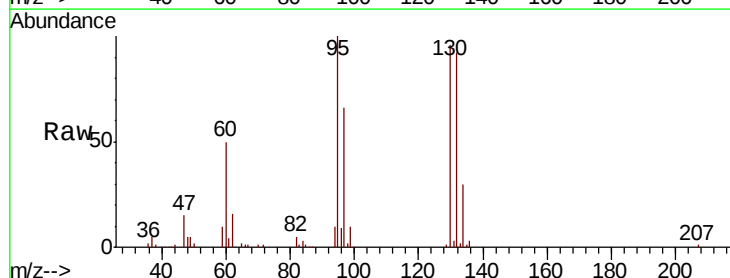


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 61.00 (60.70 to 61.70): VN0
Ion 87.00 (86.70 to 87.70): VN0

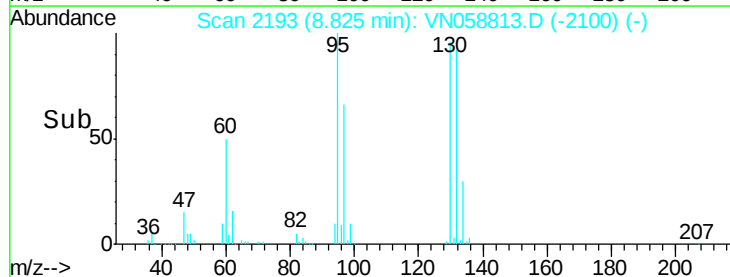
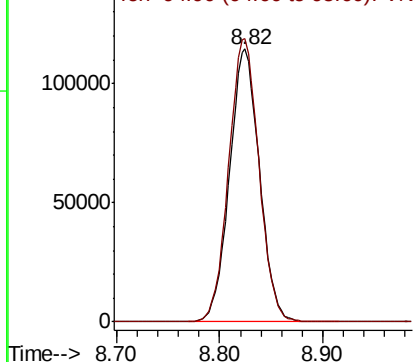


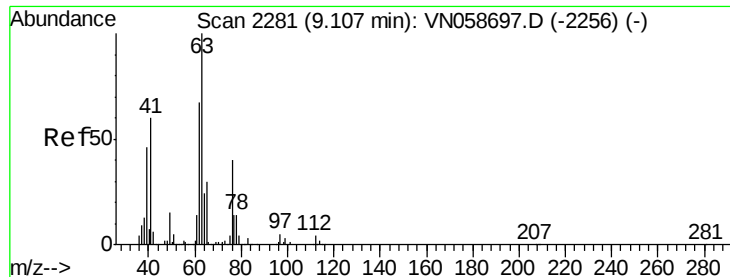
#44
Trichloroethene
Concen: 52.089 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion: 130 Resp: 232172
Ion Ratio Lower Upper
130 100
95 103.7 0.0 211.2



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





#45

1,2-Dichloropropane

Concen: 54.947 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

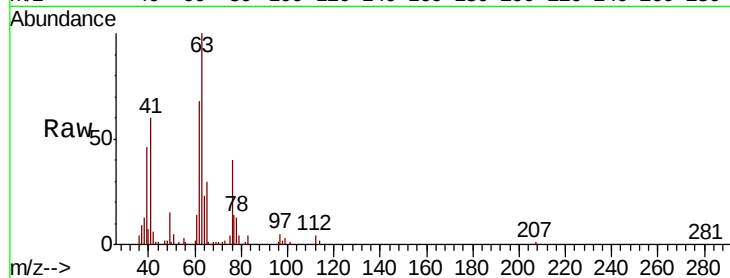
VSTDCCC050EC

Tot Ion: 63 Resp: 264011

Ion Ratio Lower Upper

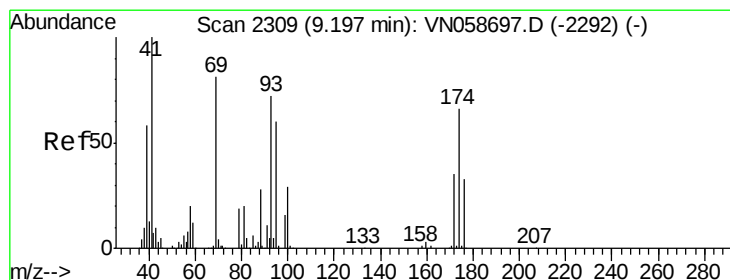
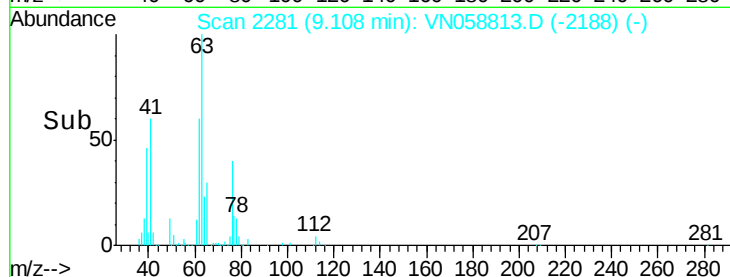
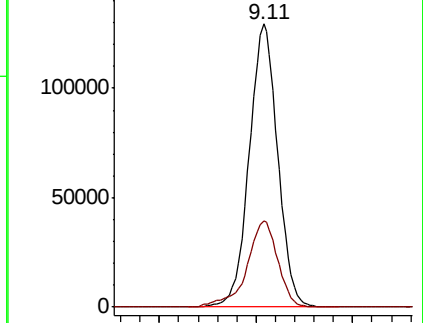
63 100

65 30.4 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN058813.D (-2188) (-)

Ion 64.90 (64.60 to 65.60): VN058813.D (-2188) (-)



#46

Dibromomethane

Concen: 54.348 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

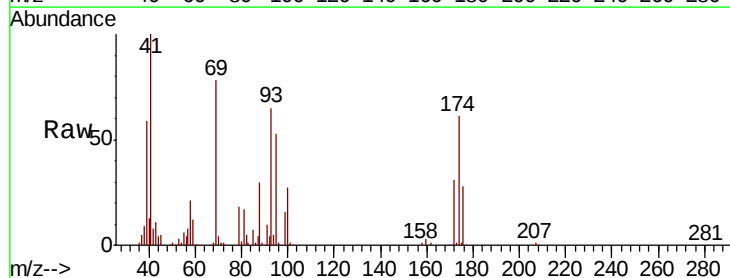
Tgt Ion: 93 Resp: 165562

Ion Ratio Lower Upper

93 100

95 82.2 66.6 100.0

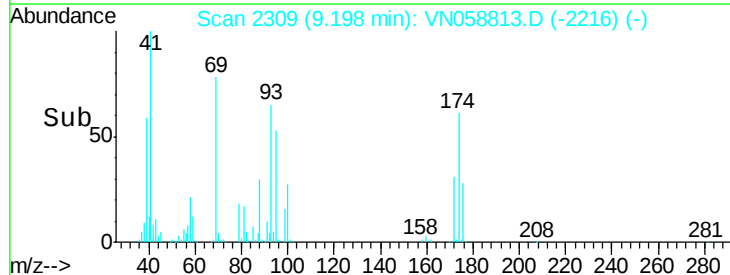
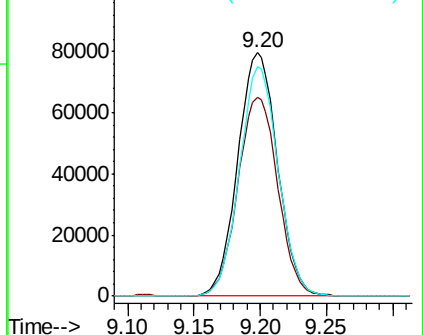
174 92.2 75.2 112.8

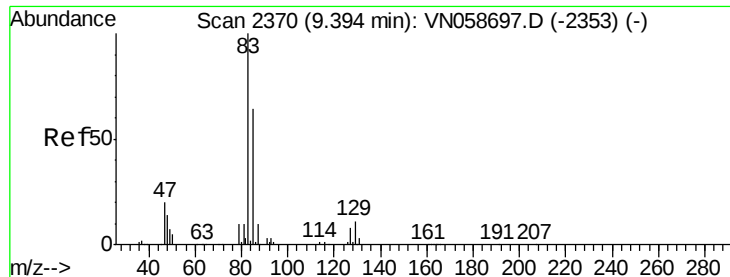


Abundance Ion 92.80 (92.50 to 93.50): VN058813.D (-2216) (-)

Ion 94.80 (94.50 to 95.50): VN058813.D (-2216) (-)

Ion 173.70 (173.40 to 174.40): VN058813.D (-2216) (-)





#47

Bromodichloromethane

Concen: 55.431 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

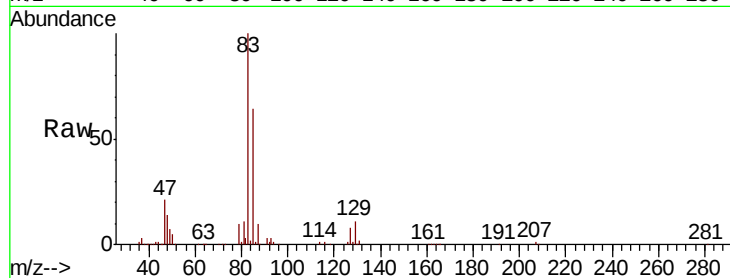
Tot Ion: 83 Resp: 343855

Ion Ratio Lower Upper

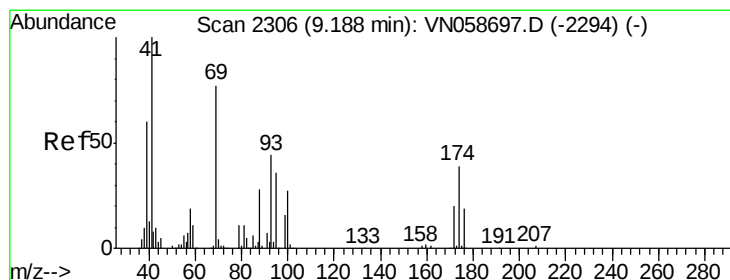
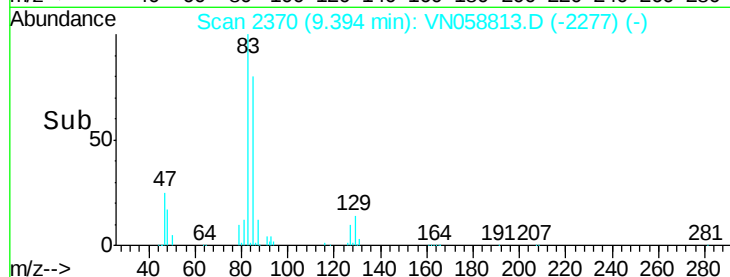
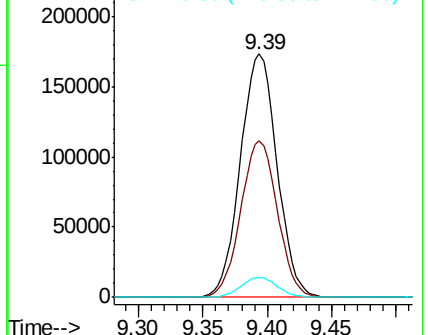
83 100

85 64.2 50.9 76.3

127 8.2 6.3 9.5



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



#48

Methyl methacrylate

Concen: 56.640 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

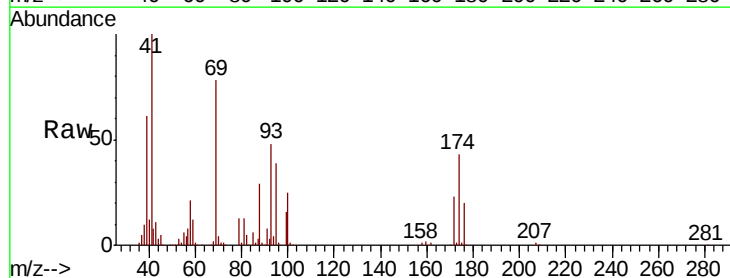
Tgt Ion: 41 Resp: 276438

Ion Ratio Lower Upper

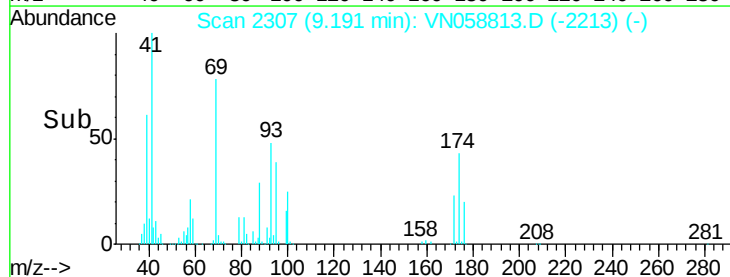
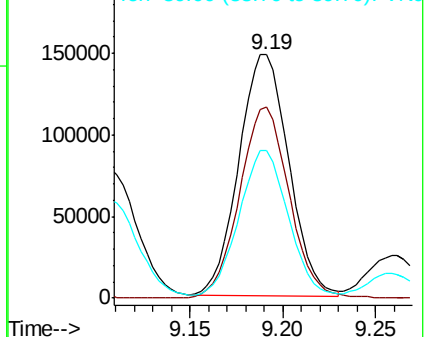
41 100

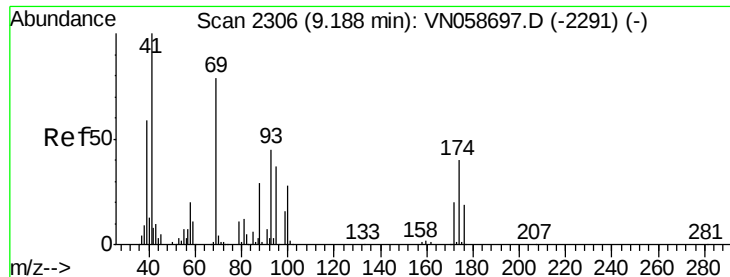
69 79.1 63.4 95.2

39 61.1 48.9 73.3



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





#49

1,4-Dioxane

Concen: 1172.045 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

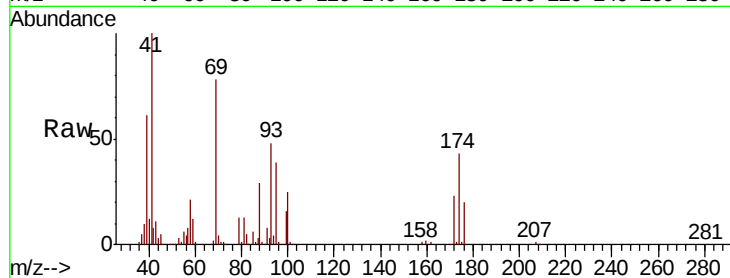
Tot Ion: 88 Resp: 88495

Ion Ratio Lower Upper

88 100

43 37.6 28.6 43.0

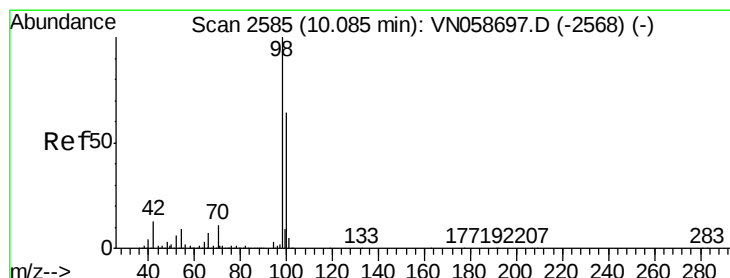
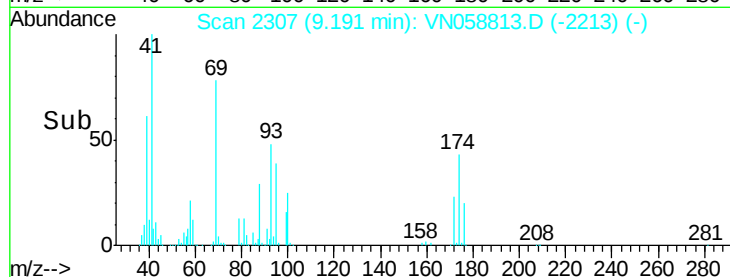
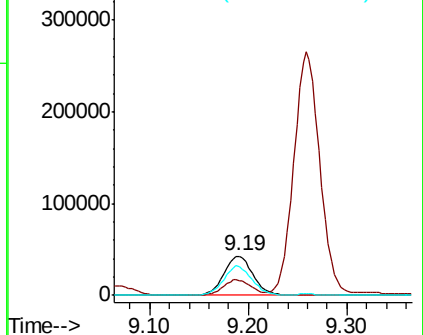
58 73.0 57.2 85.8



Abundance Ion 88.00 (87.70 to 88.70): VN058813.D (-2213) (-)

Ion 43.00 (42.70 to 43.70): VN058813.D (-2213) (-)

Ion 58.00 (57.70 to 58.70): VN058813.D (-2213) (-)



#50

Toluene-d8

Concen: 51.551 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058813.D

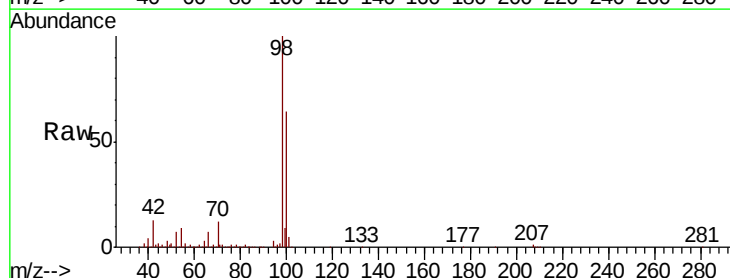
Acq: 16 Oct 2019 19:30

Tgt Ion: 98 Resp: 787045

Ion Ratio Lower Upper

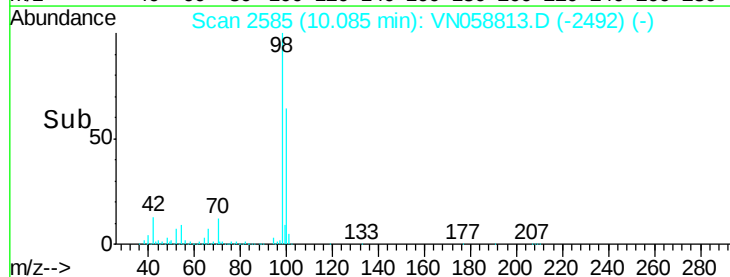
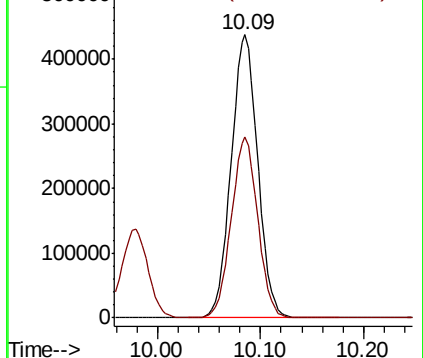
98 100

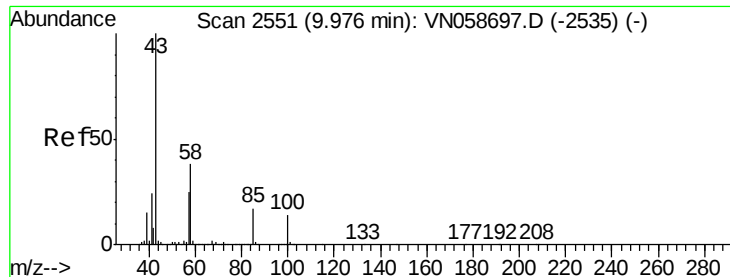
100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058813.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058813.D (-2492) (-)





#51

4-Methyl-2-Pentanone

Concen: 307.509 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

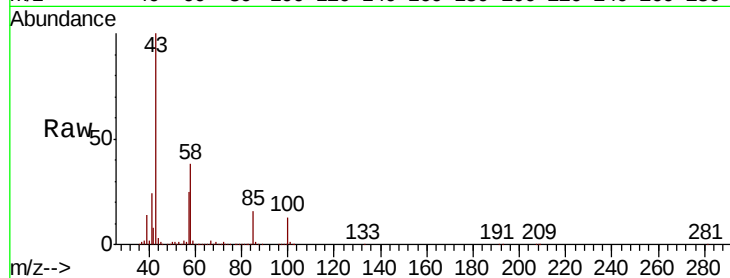
VSTDCCC050EC

Tot Ion: 43 Resp: 1859459

Ion Ratio Lower Upper

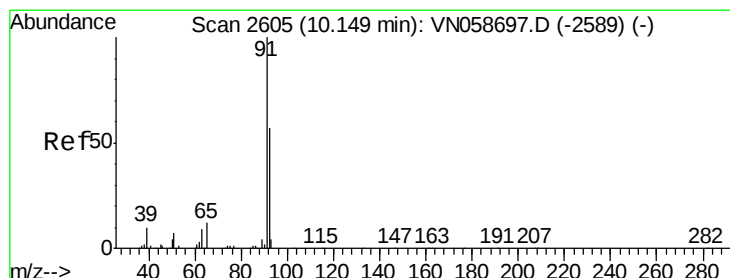
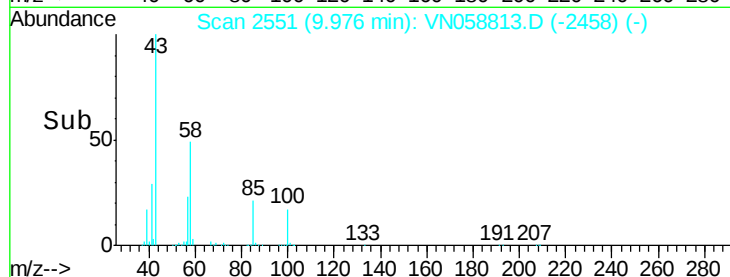
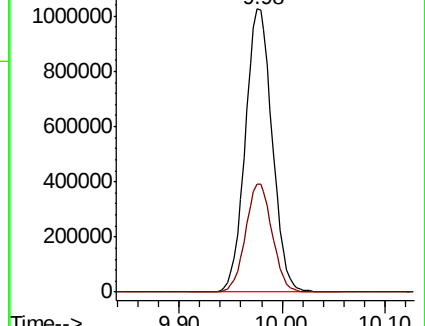
43 100

58 37.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058813.D (-2458) (-)

Ion 58.00 (57.70 to 58.70): VN058813.D (-2458) (-)



#52

Toluene

Concen: 52.764 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058813.D

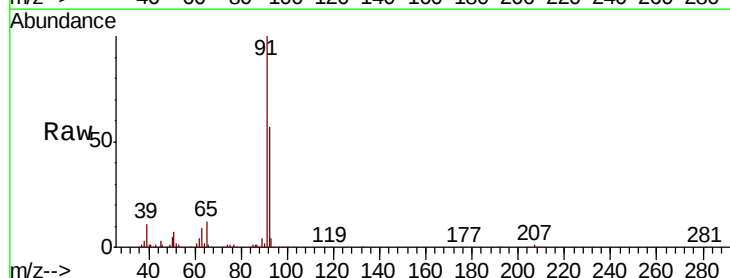
Acq: 16 Oct 2019 19:30

Tgt Ion: 92 Resp: 579229

Ion Ratio Lower Upper

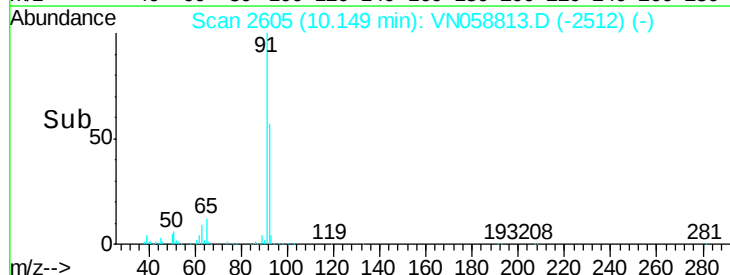
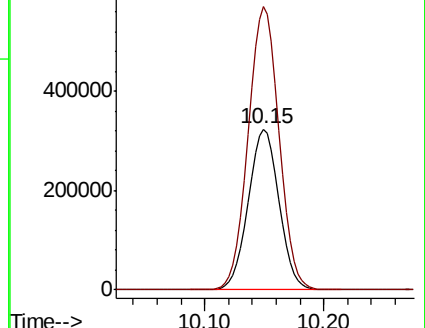
92 100

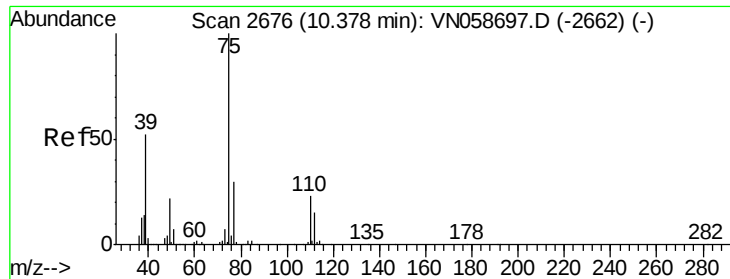
91 176.8 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058813.D (-2512) (-)

Ion 91.00 (90.70 to 91.70): VN058813.D (-2512) (-)





#53

t-1,3-Dichloropropene

Concen: 55.188 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

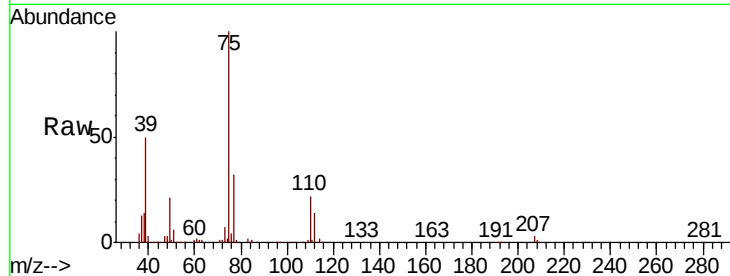
VSTDCCC050EC

Tot Ion: 75 Resp: 392654

Ion Ratio Lower Upper

75 100

77 30.9 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

250000

200000

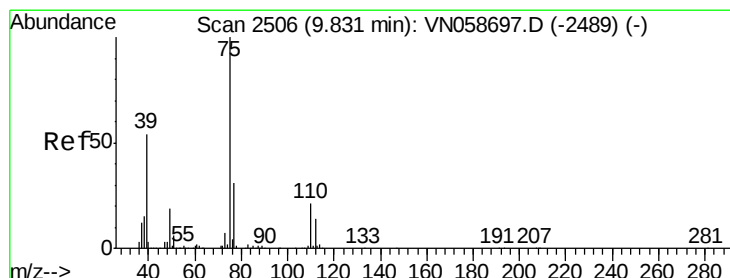
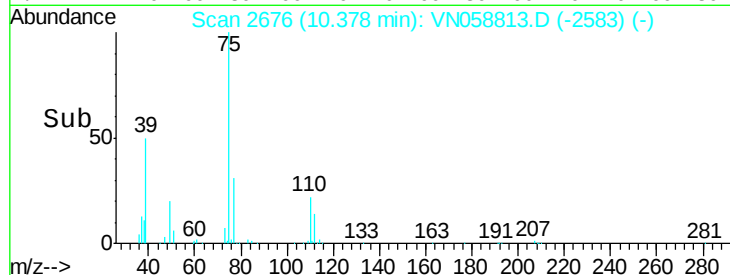
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 54.683 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

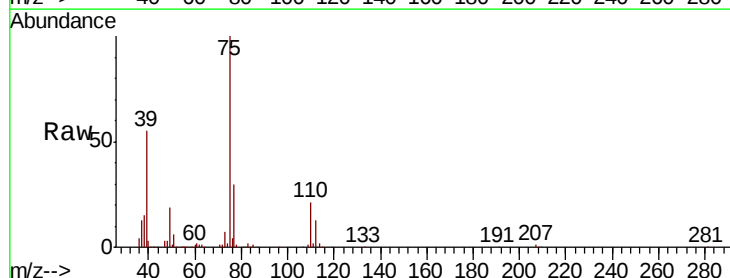
Tgt Ion: 75 Resp: 413086

Ion Ratio Lower Upper

75 100

77 29.9 24.4 36.6

39 54.5 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

300000

250000

200000

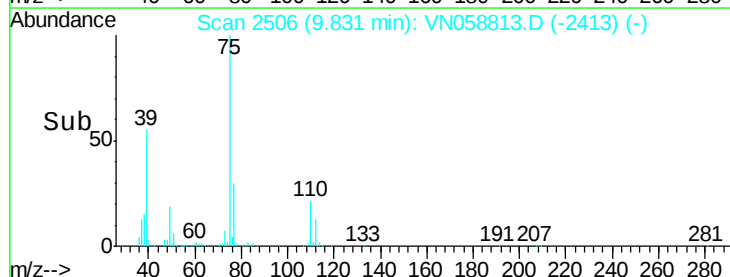
150000

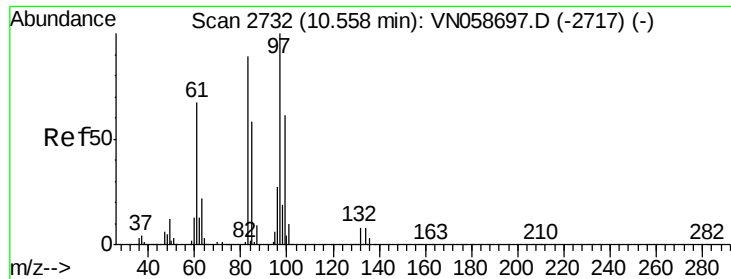
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.279 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 234892

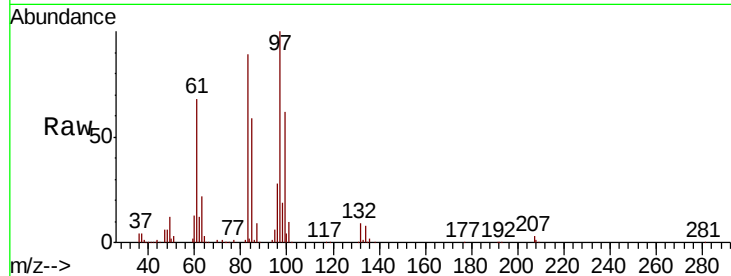
Ion Ratio Lower Upper

97 100

83 88.7 71.2 106.8

85 58.7 46.7 70.1

99 62.5 49.0 73.6

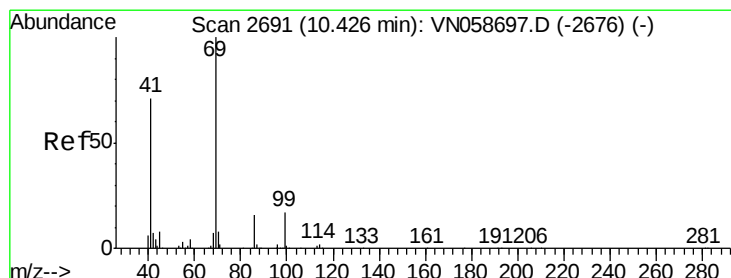
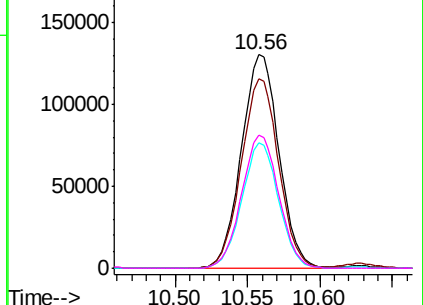
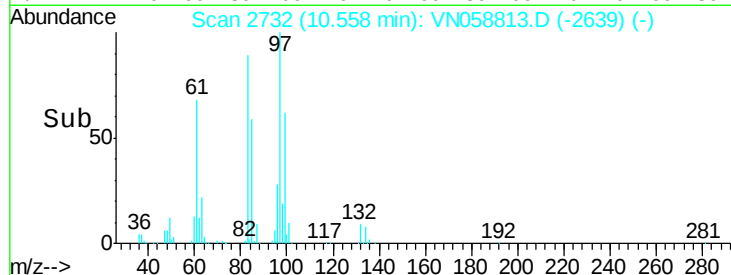


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 57.016 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

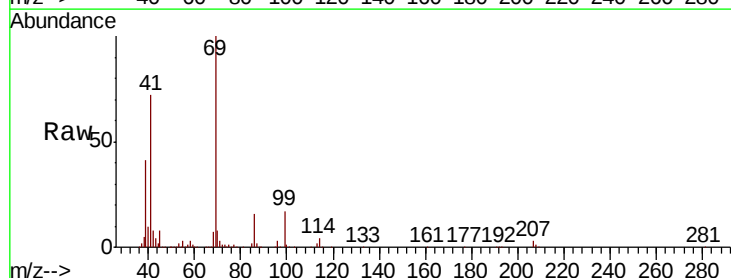
Tgt Ion: 69 Resp: 374253

Ion Ratio Lower Upper

69 100

41 72.3 56.8 85.2

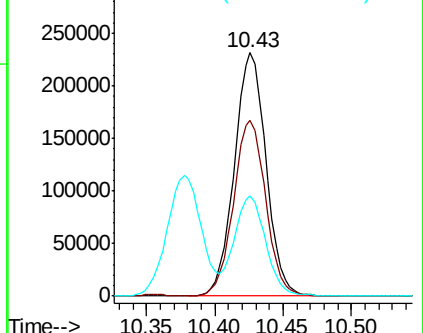
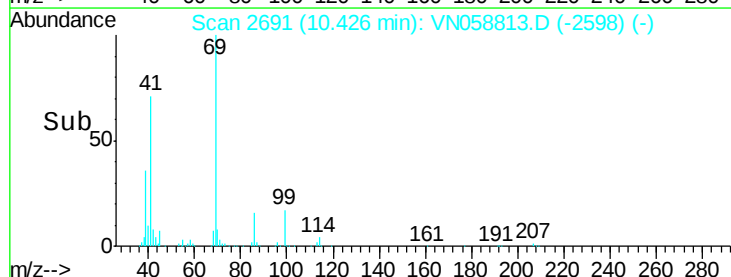
39 40.7 32.5 48.7

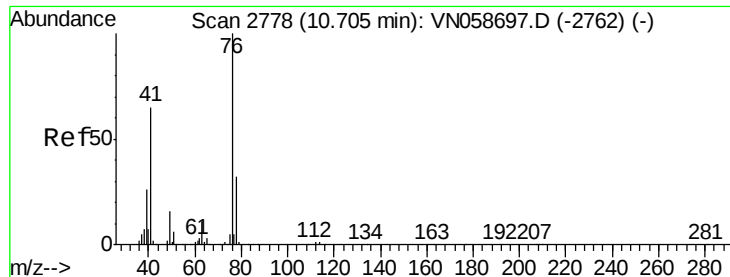


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 54.164 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

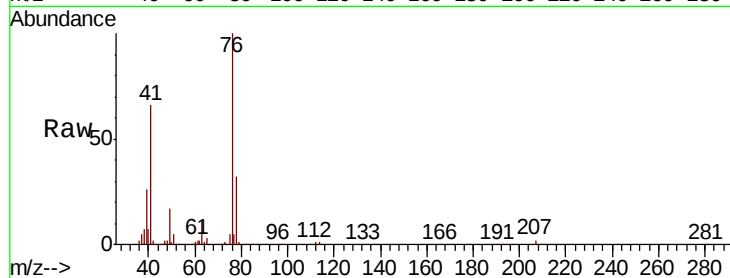
VSTDCCC050EC

Tot Ion: 76 Resp: 414707

Ion Ratio Lower Upper

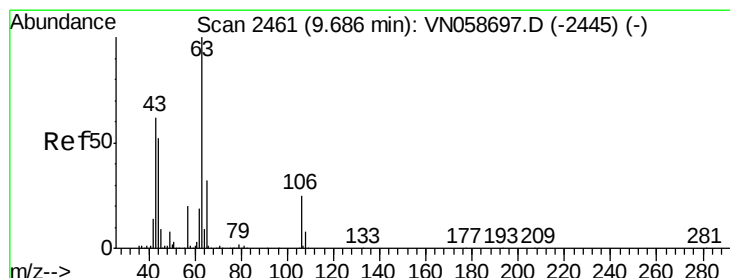
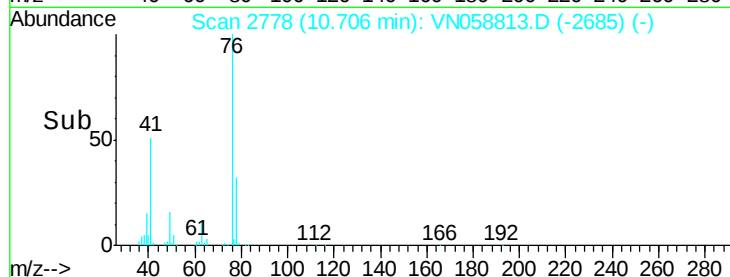
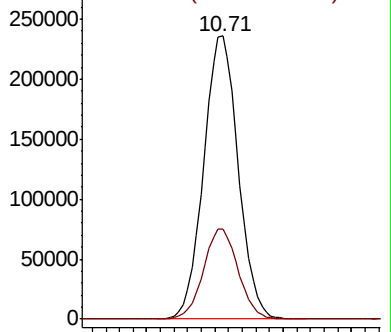
76 100

78 32.1 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 275.485 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058813.D

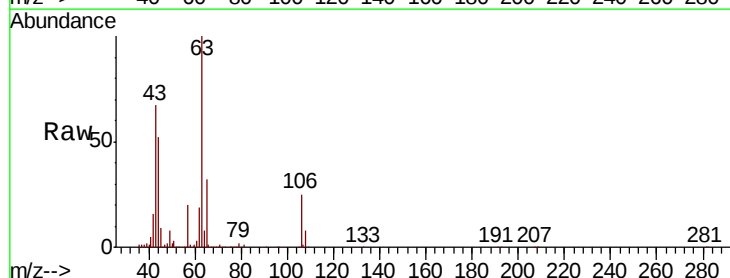
Acq: 16 Oct 2019 19:30

Tgt Ion: 63 Resp: 871457

Ion Ratio Lower Upper

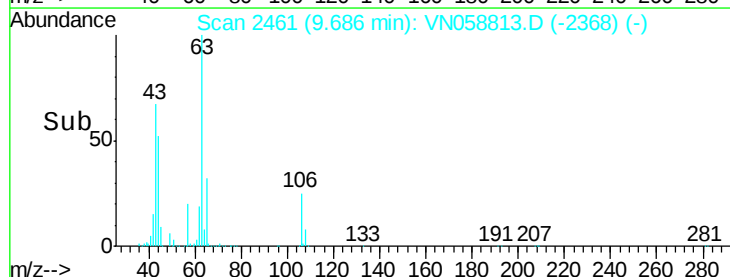
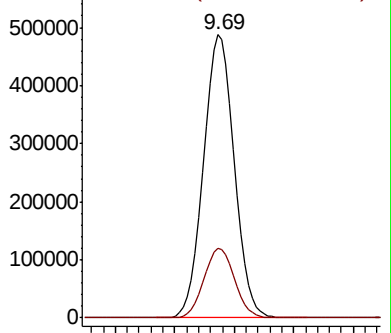
63 100

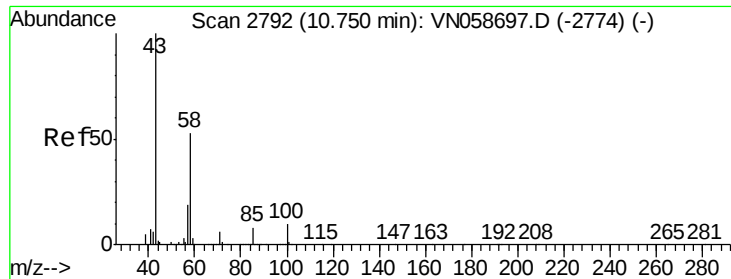
106 24.6 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

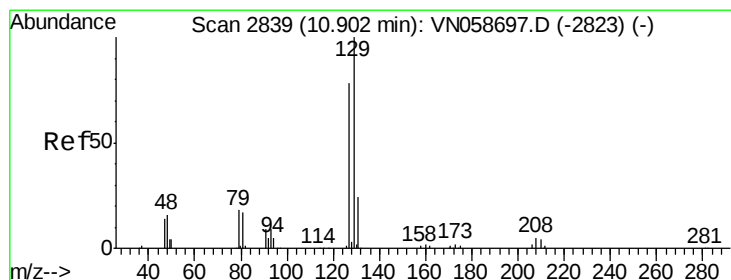
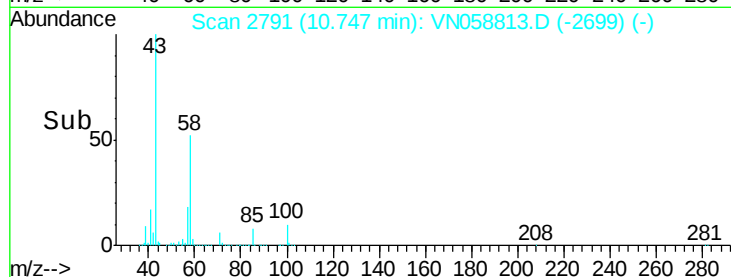
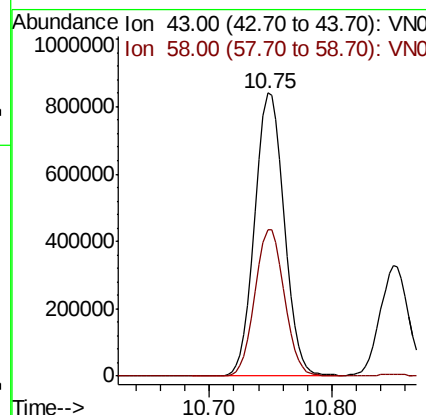
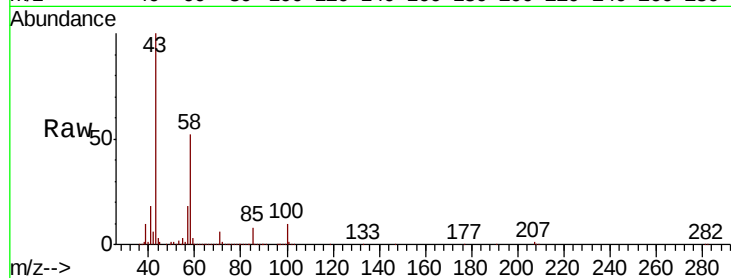




#59
2-Hexanone
Concen: 298.739 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

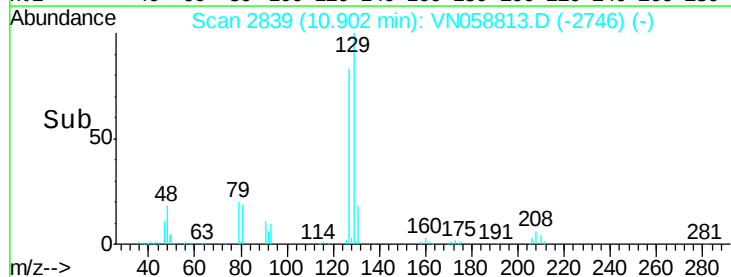
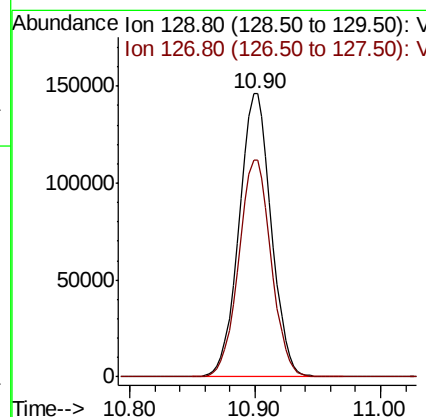
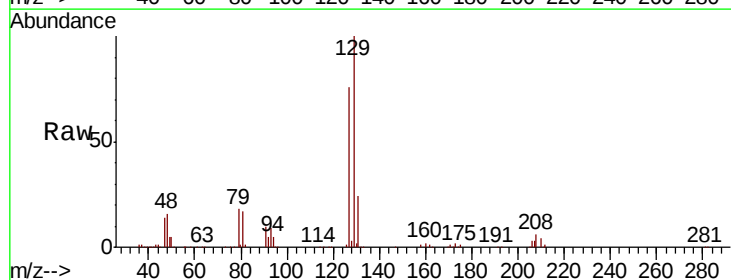
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

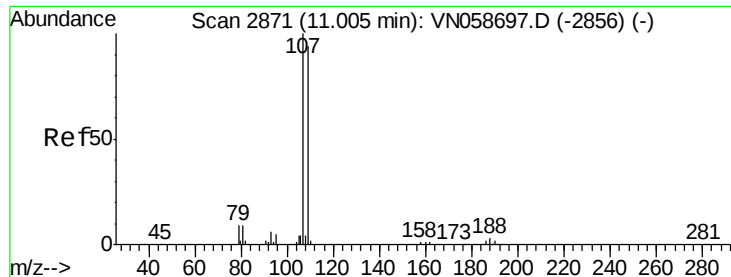
Tot Ion: 43 Resp: 1396017
Ion Ratio Lower Upper
43 100
58 51.7 26.1 78.3



#60
Dibromochloromethane
Concen: 55.993 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion: 129 Resp: 259524
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.3

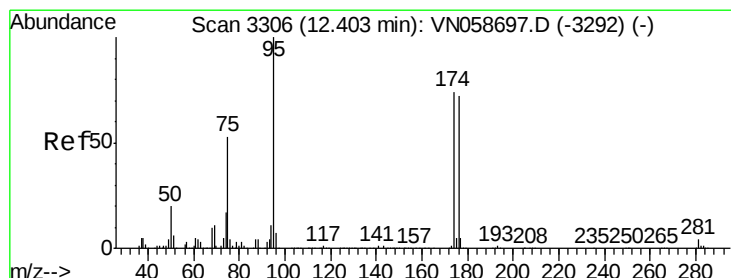
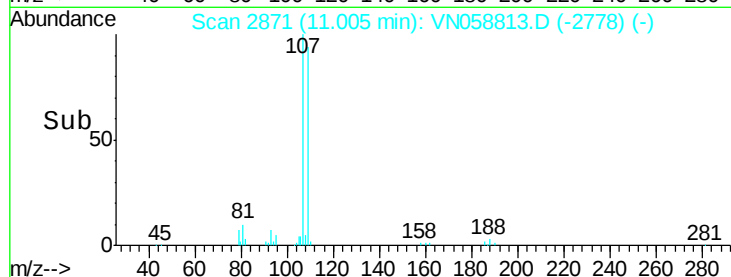
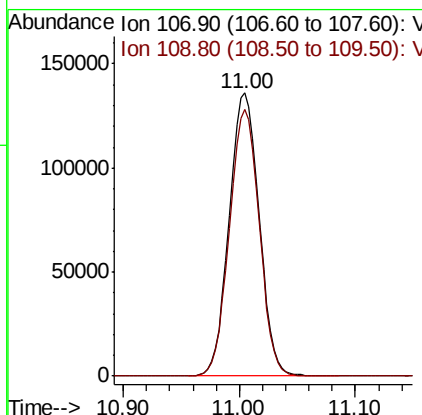
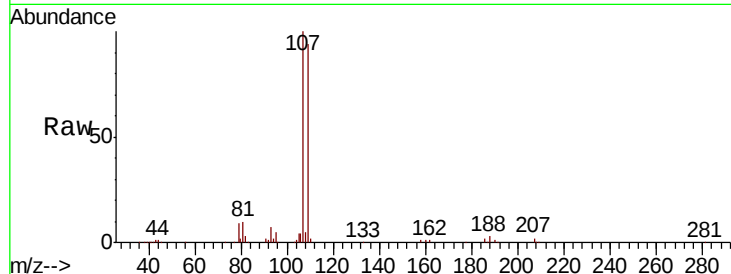




#61
 1,2-Dibromoethane
 Concen: 53.815 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

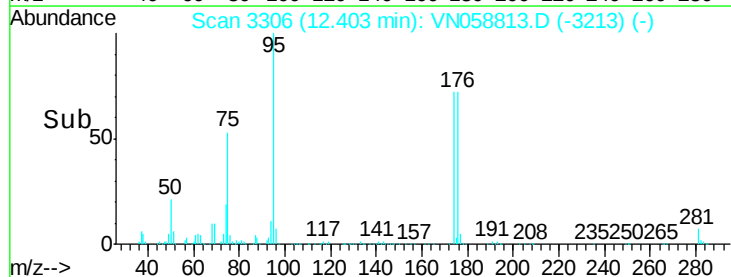
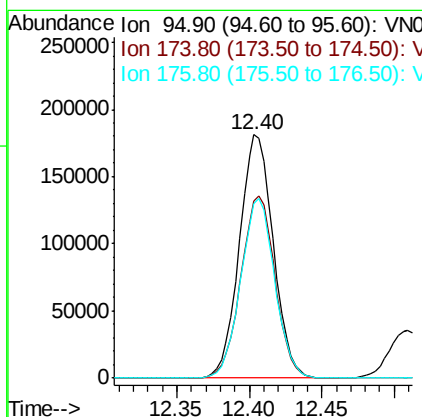
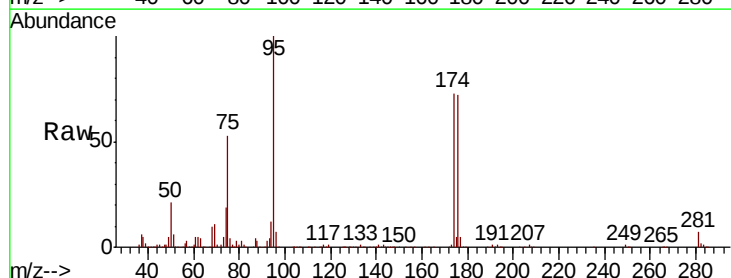
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

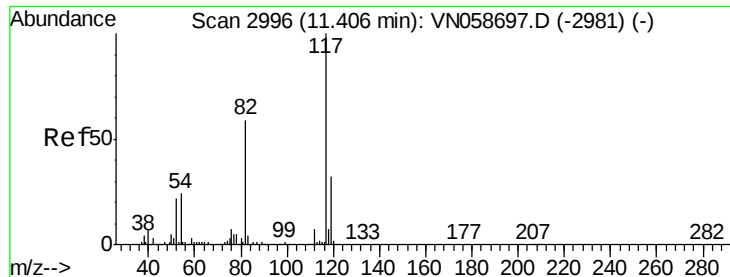
Tot Ion: 107 Resp: 242240
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.965 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion: 95 Resp: 294534
 Ion Ratio Lower Upper
 95 100
 174 75.5 0.0 150.4
 176 74.1 0.0 146.8

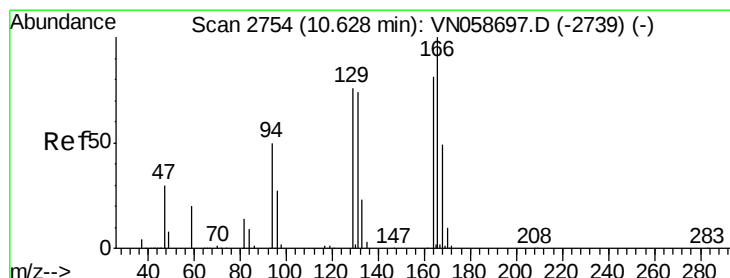
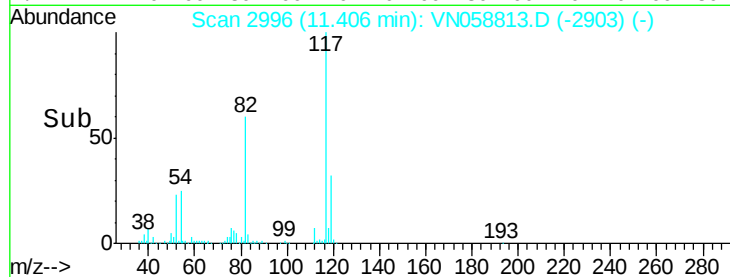
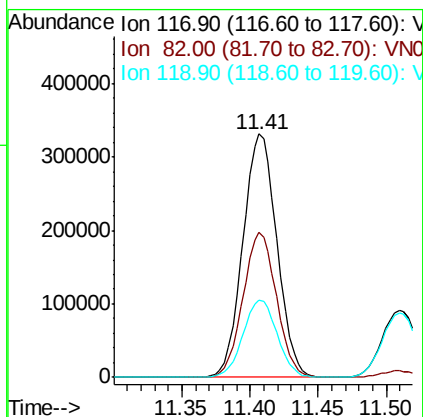
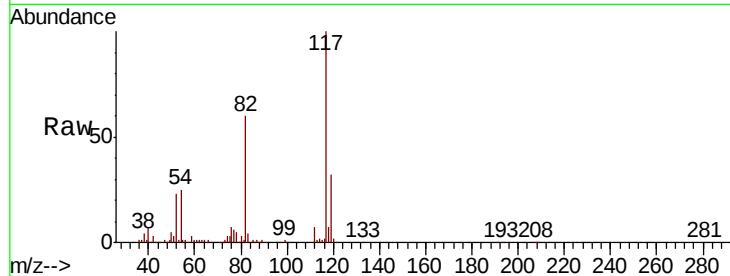




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

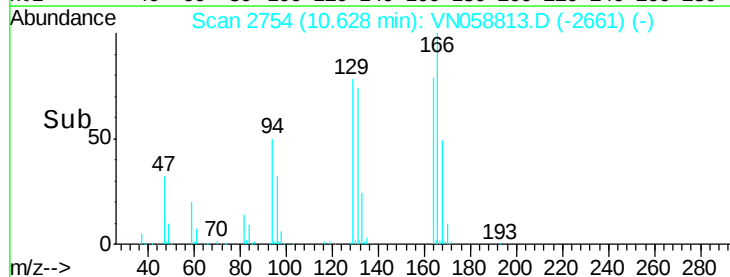
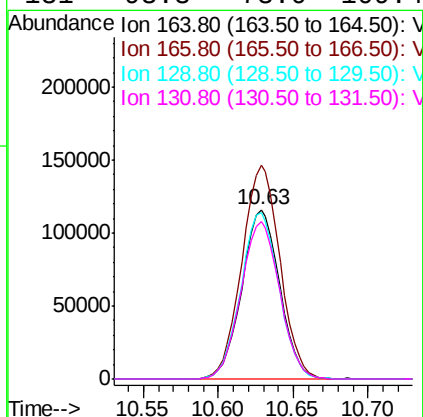
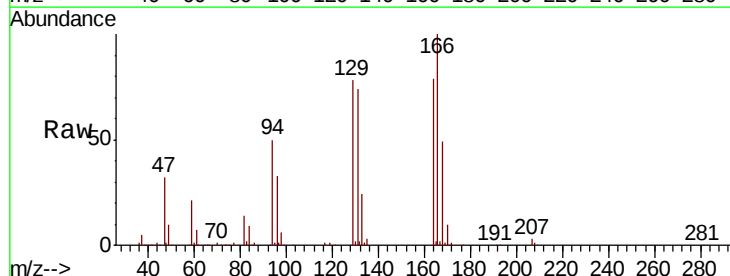
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

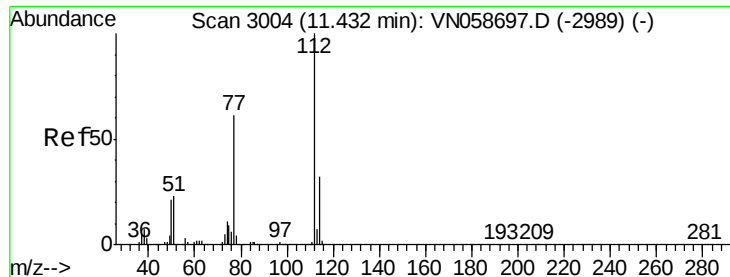
Tot Ion:117 Resp: 573072
Ion Ratio Lower Upper
117 100
82 59.5 47.0 70.4
119 31.8 25.4 38.2



#64
Tetrachloroethene
Concen: 50.910 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion:164 Resp: 204177
Ion Ratio Lower Upper
164 100
166 126.1 99.3 148.9
129 98.4 75.2 112.8
131 93.3 73.0 109.4

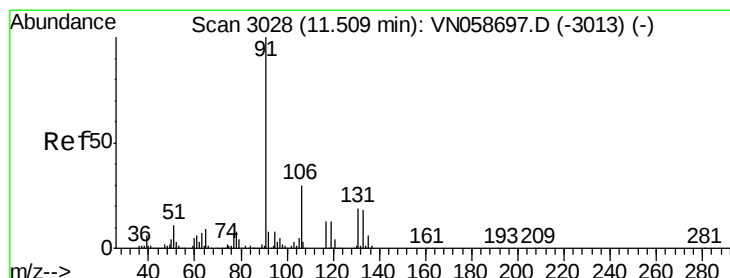
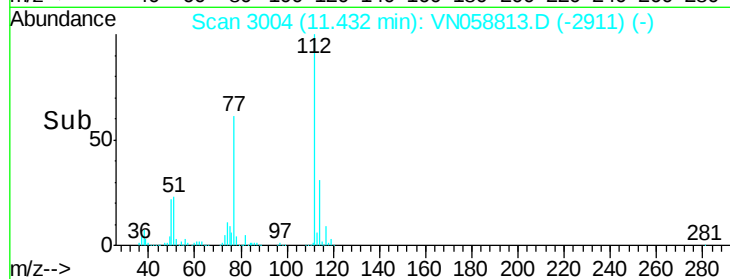
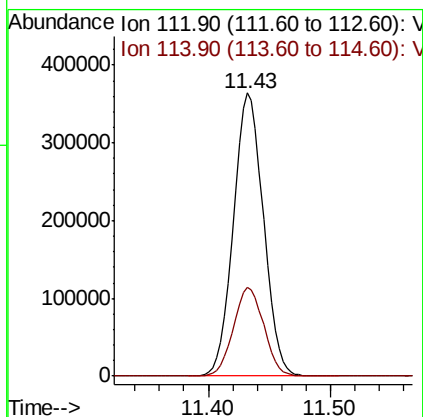
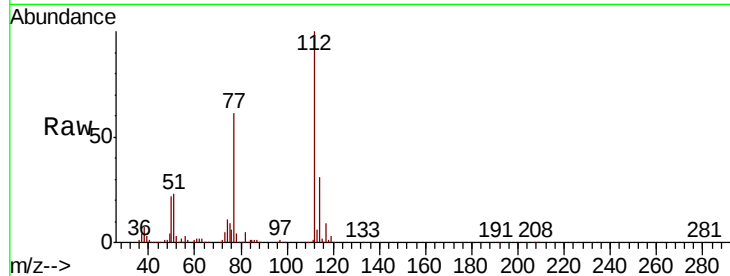




#65
Chlorobenzene
Concen: 53.405 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

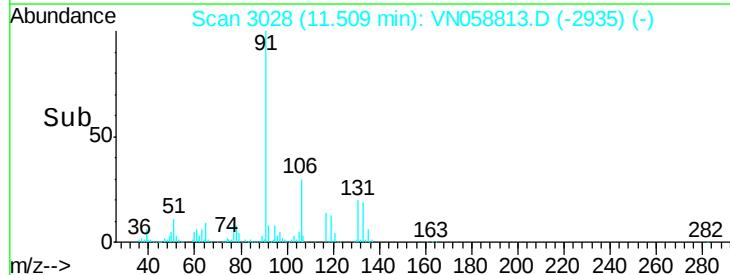
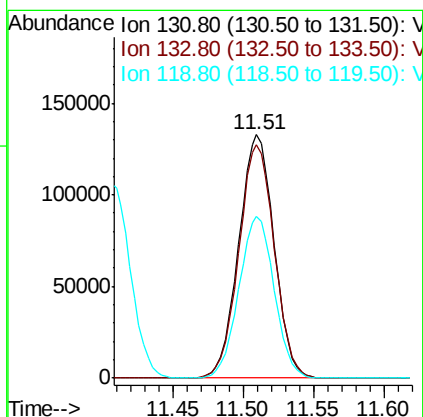
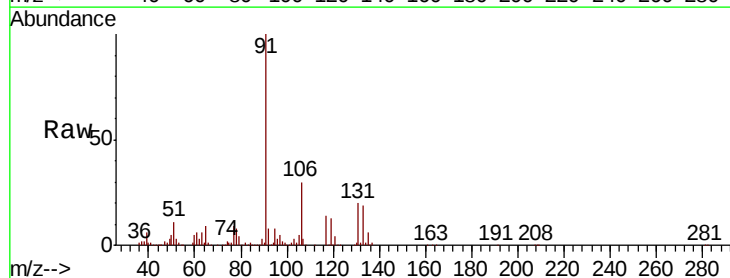
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

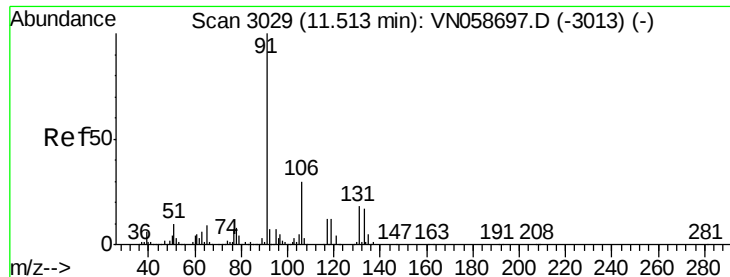
Tot Ion:112 Resp: 621526
Ion Ratio Lower Upper
112 100
114 31.3 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 54.082 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion:131 Resp: 232737
Ion Ratio Lower Upper
131 100
133 96.4 47.6 142.9
119 66.5 33.0 98.9





#67

Ethyl Benzene

Concen: 55.135 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

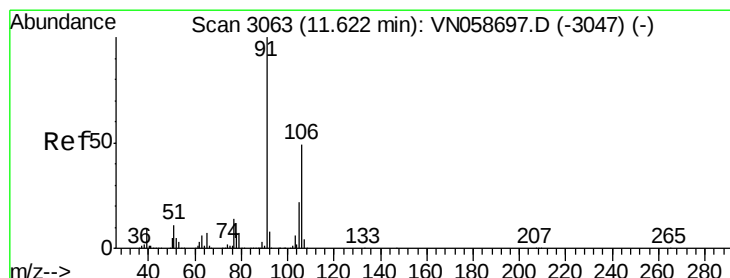
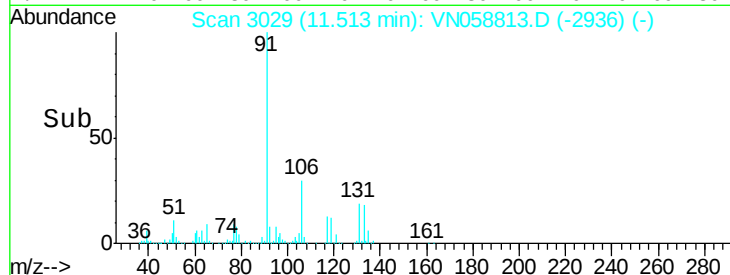
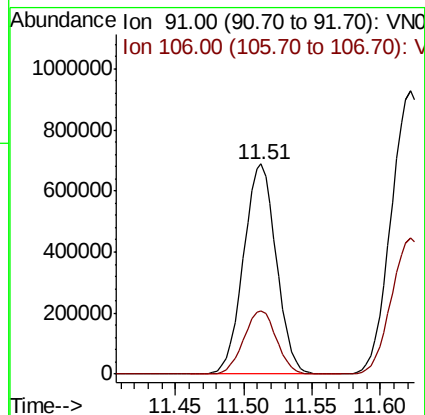
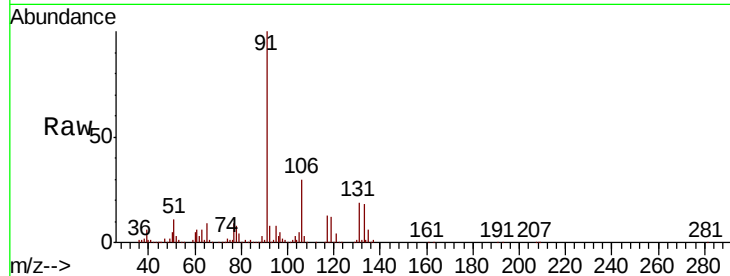
VSTDCCC050EC

Tot Ion: 91 Resp: 1143803

Ion Ratio Lower Upper

91 100

106 30.2 24.1 36.1



#68

m/p-Xylenes

Concen: 108.954 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058813.D

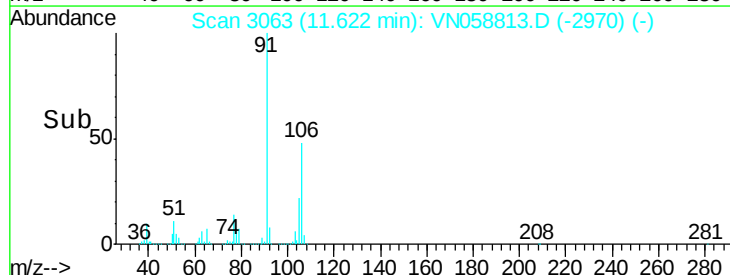
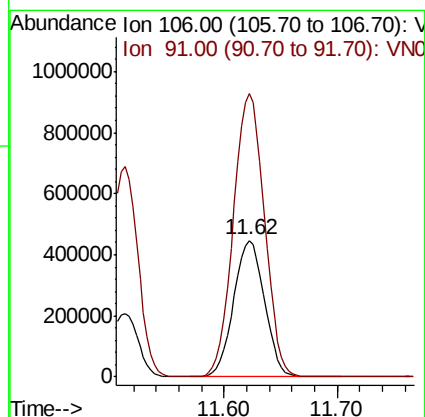
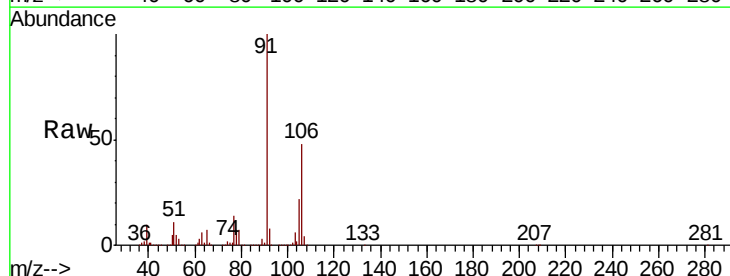
Acq: 16 Oct 2019 19:30

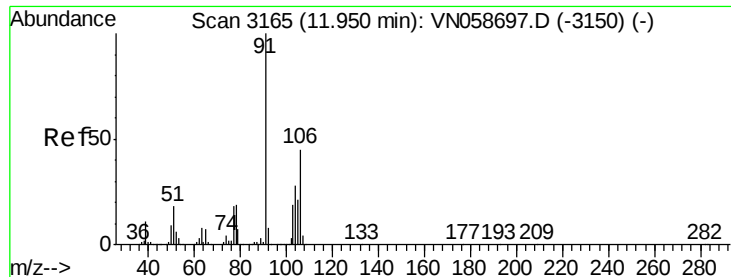
Tgt Ion: 106 Resp: 848235

Ion Ratio Lower Upper

106 100

91 209.2 165.7 248.5

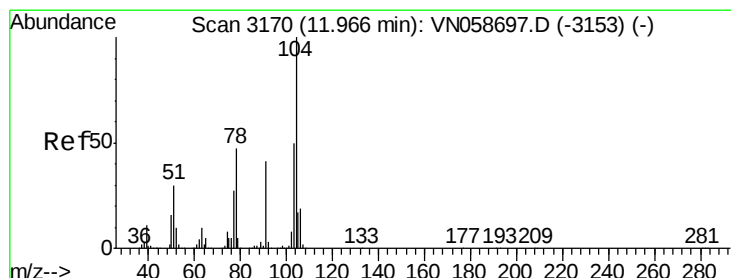
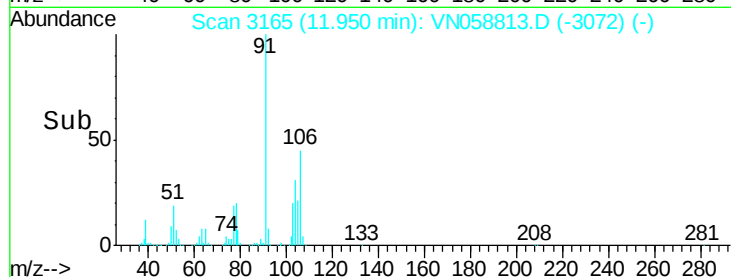
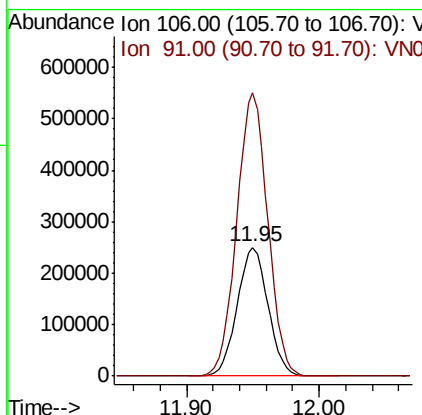
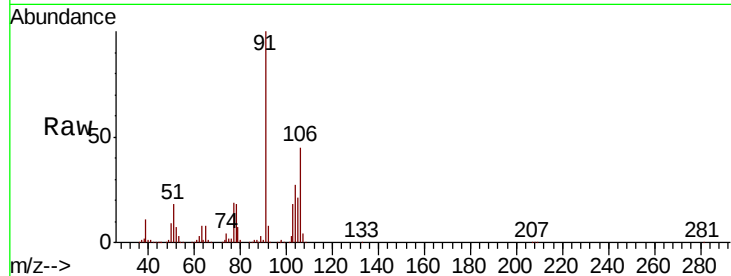




#69
o-Xylene
Concen: 53.387 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

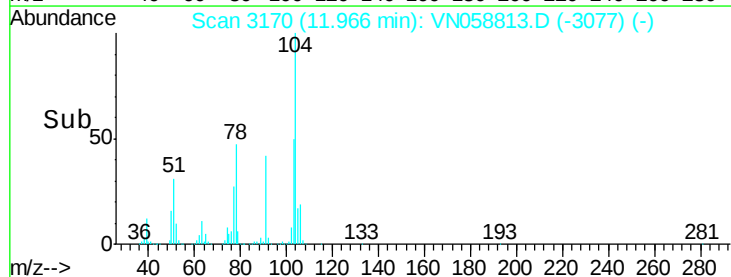
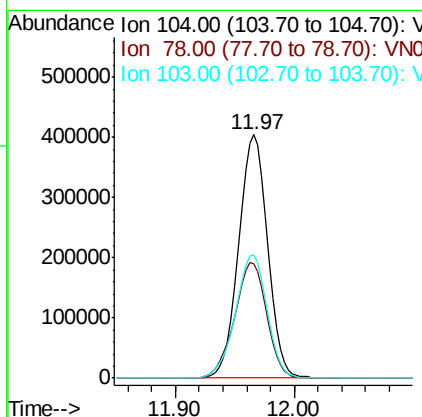
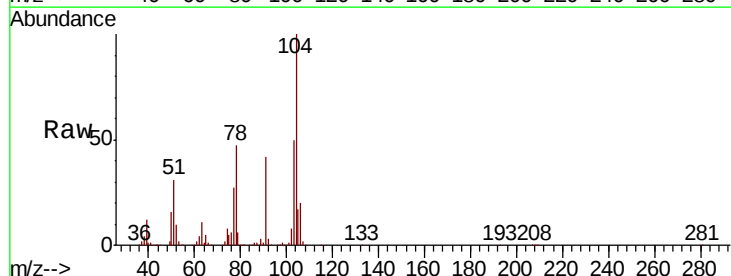
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

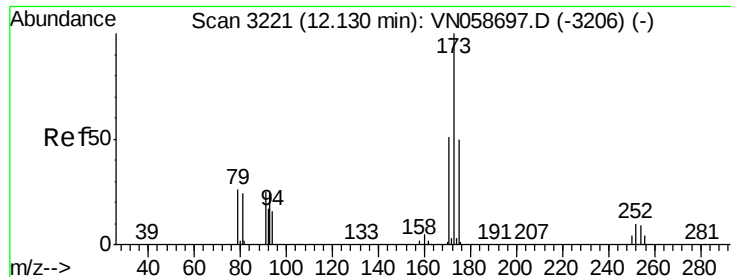
Tot Ion:106 Resp: 402126
Ion Ratio Lower Upper
106 100
91 221.8 110.9 332.9



#70
Styrene
Concen: 55.212 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion:104 Resp: 681625
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.2
103 55.1 43.7 65.5





#71

Bromoform

Concen: 58.030 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

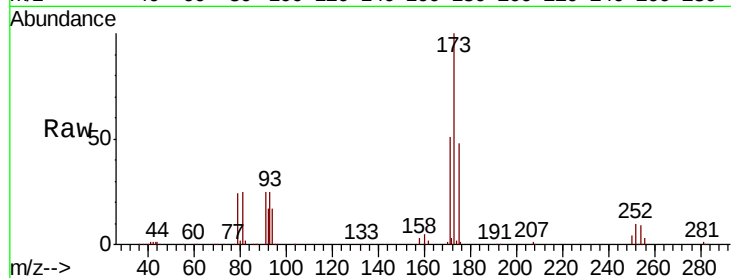
Tot Ion:173 Resp: 183045

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.8

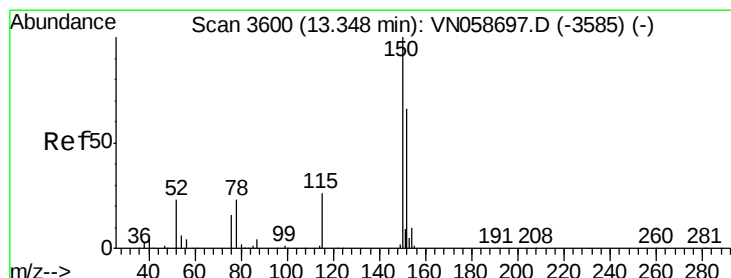
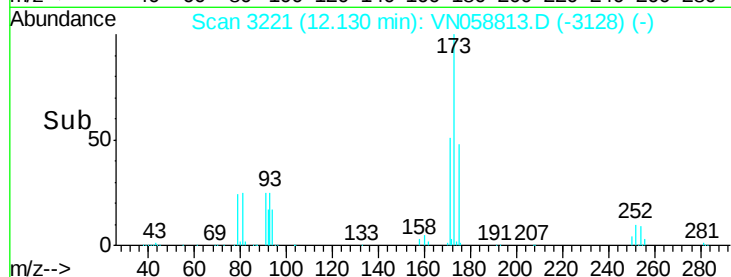
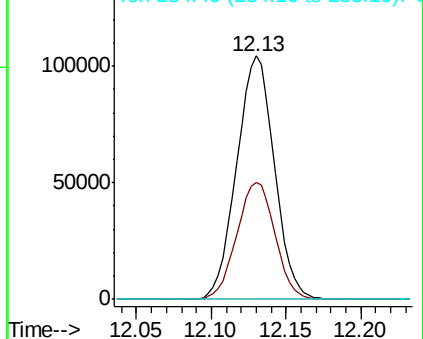
254 0.1 0.1 0.1



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: VN058813.D

Acq: 16 Oct 2019 19:30

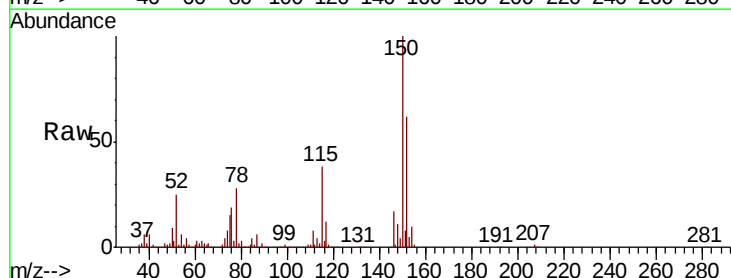
Tgt Ion:152 Resp: 280525

Ion Ratio Lower Upper

152 100

115 61.1 30.4 91.2

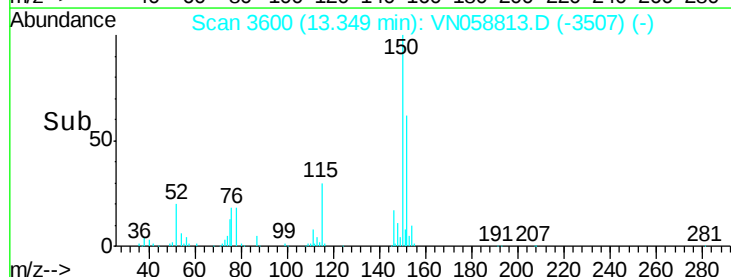
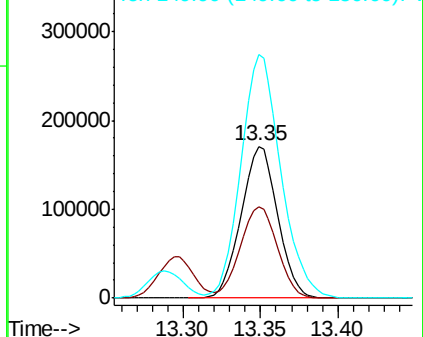
150 175.7 0.0 345.4

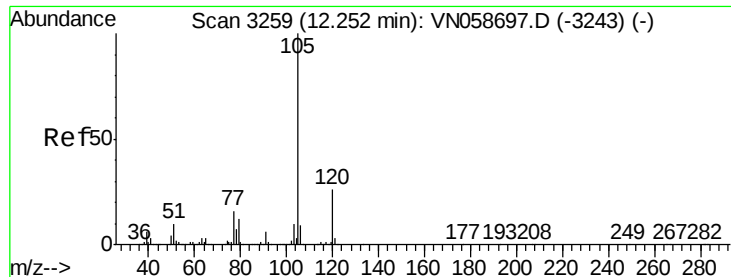


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.033 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

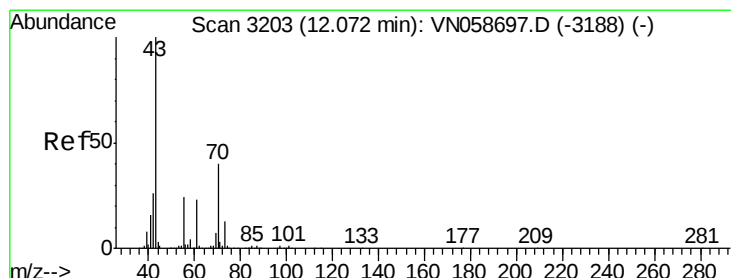
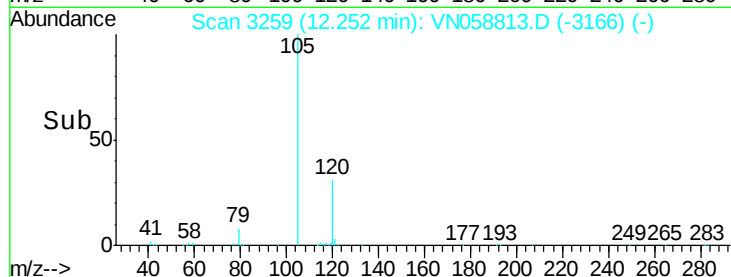
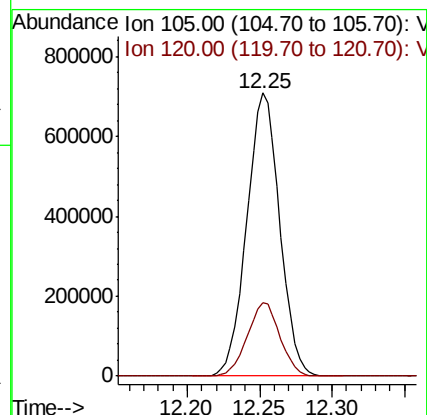
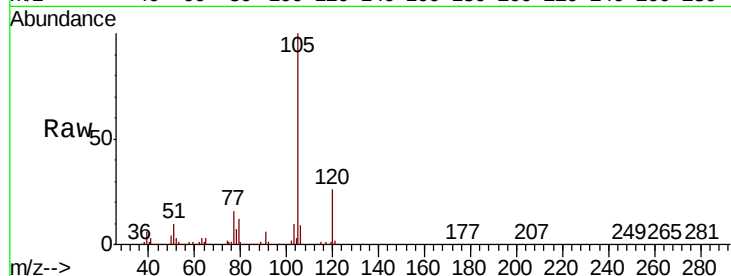
VSTDCCC050EC

Tot Ion:105 Resp: 1118056

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



#74

N-ethyl acetate

Concen: 57.495 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Tgt Ion: 43 Resp: 524625

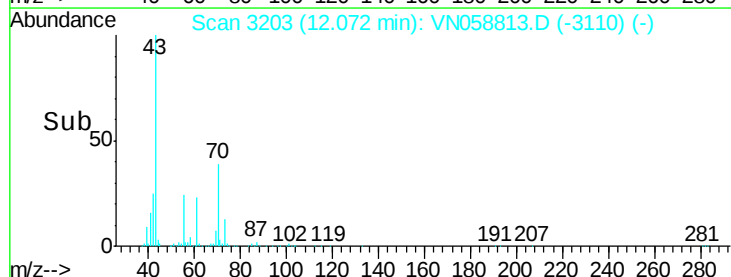
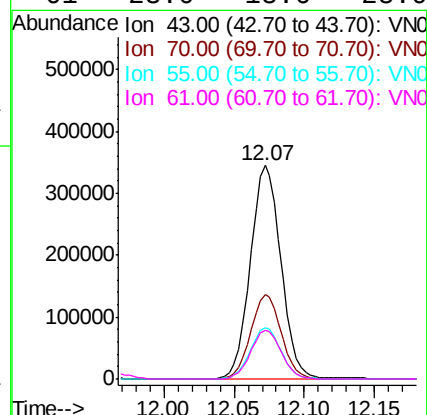
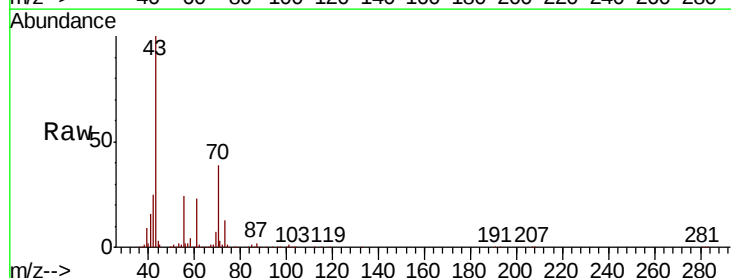
Ion Ratio Lower Upper

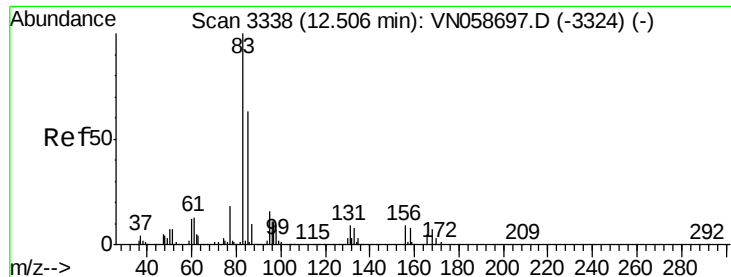
43 100

70 39.6 32.2 48.4

55 24.5 19.6 29.4

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 55.299 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

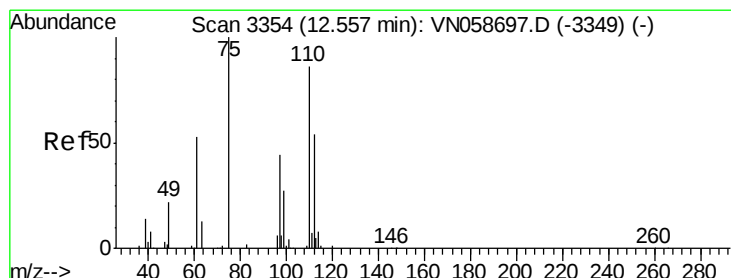
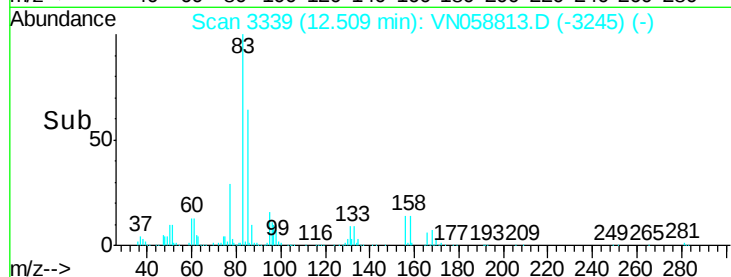
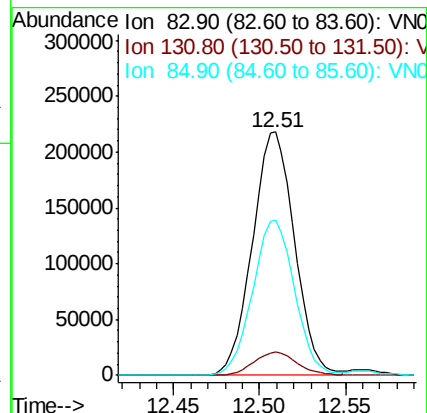
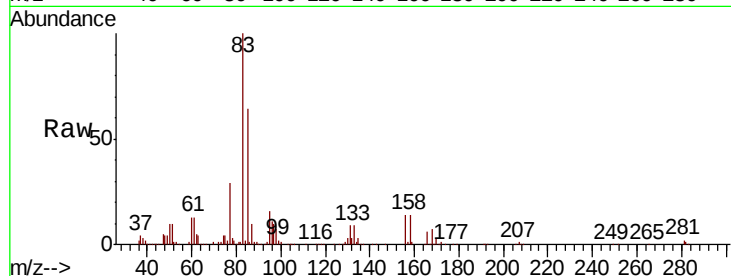
Tot Ion: 83 Resp: 370105

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

85 63.4 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 80.935 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058813.D

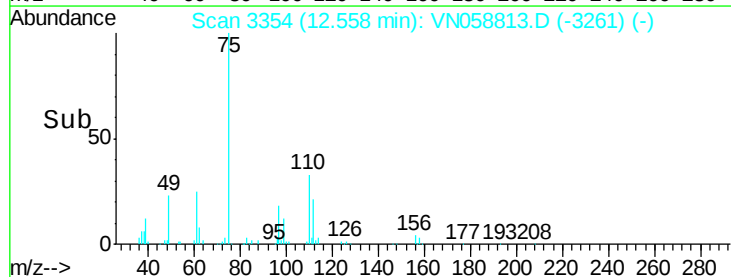
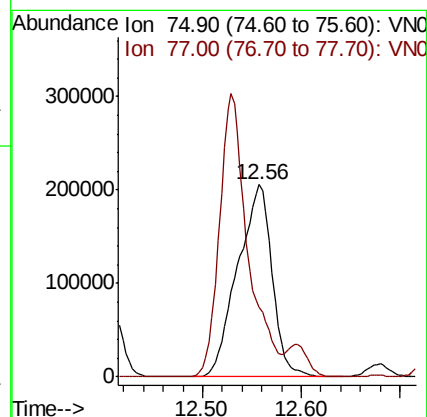
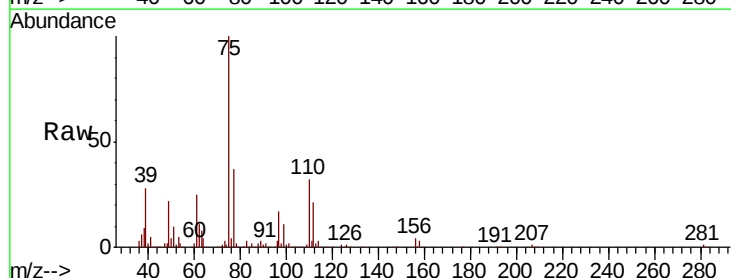
Acq: 16 Oct 2019 19:30

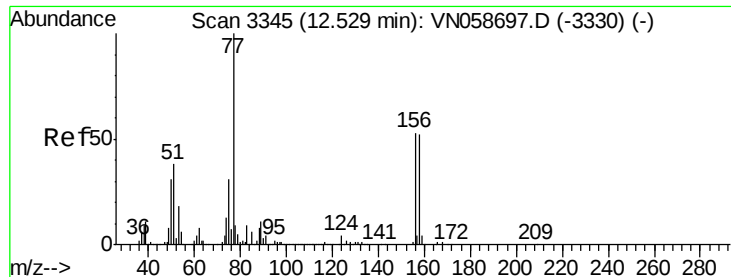
Tgt Ion: 75 Resp: 498078

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.798 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

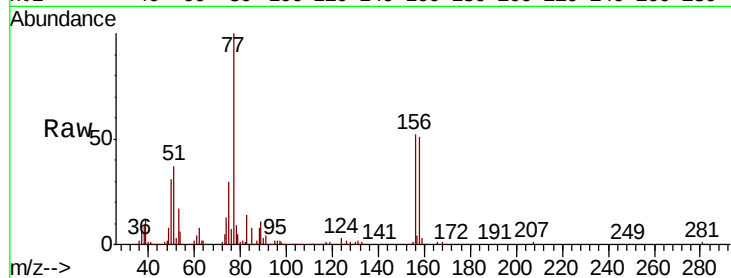
Tot Ion:156 Resp: 260906

Ion Ratio Lower Upper

156 100

77 233.9 115.8 347.3

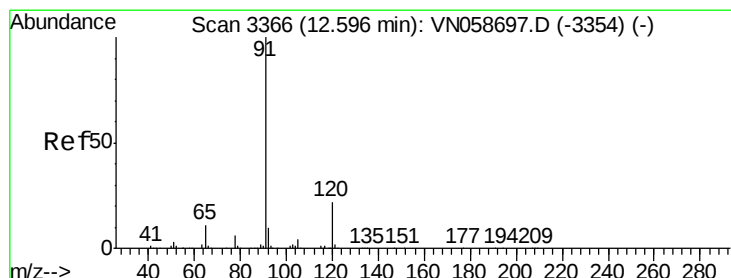
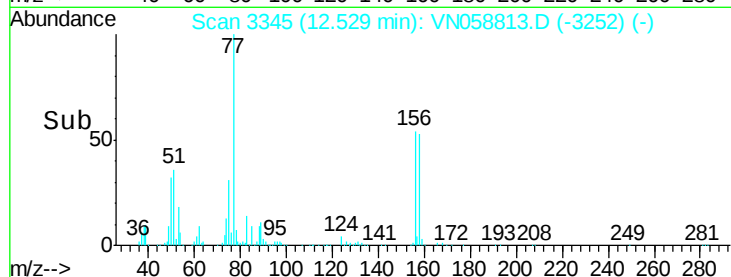
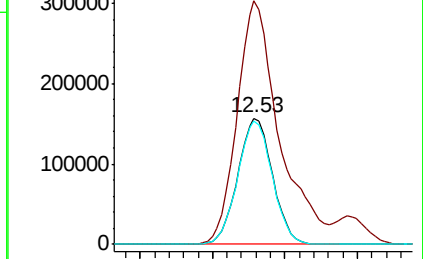
158 97.7 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.231 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058813.D

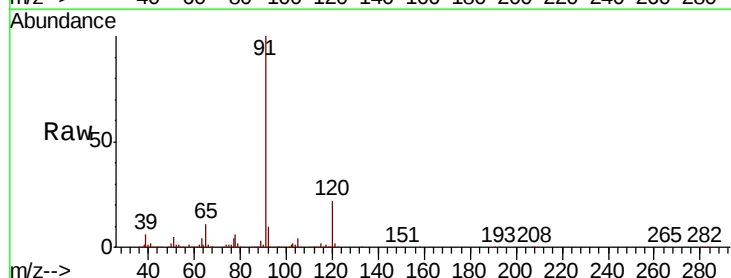
Acq: 16 Oct 2019 19:30

Tgt Ion: 91 Resp: 1331205

Ion Ratio Lower Upper

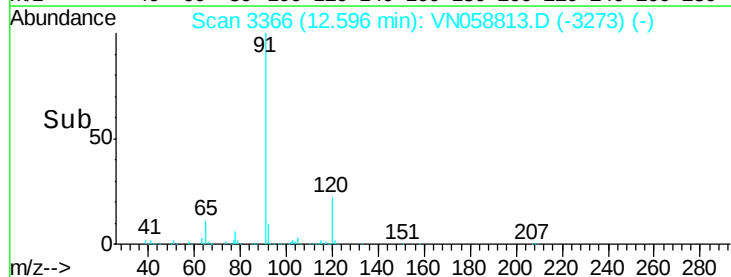
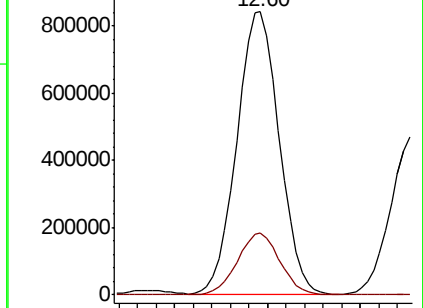
91 100

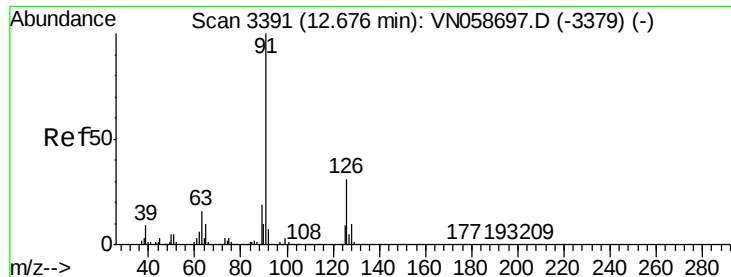
120 21.8 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

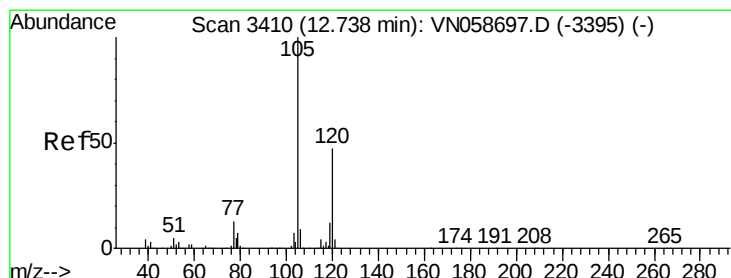
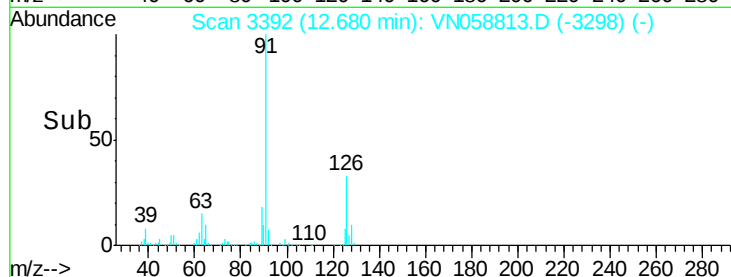
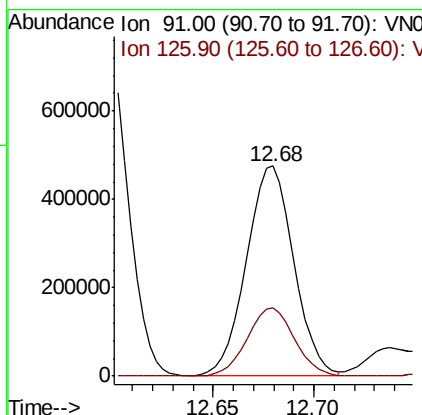
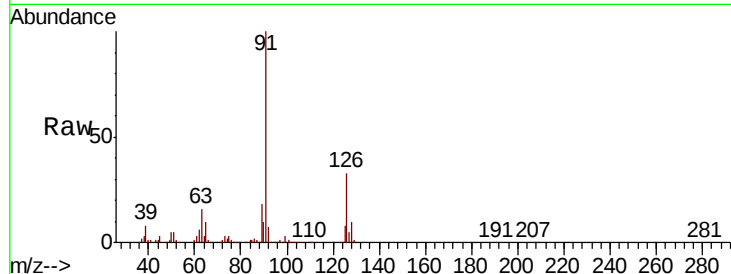




#79
 2-Chlorotoluene
 Concen: 53.010 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

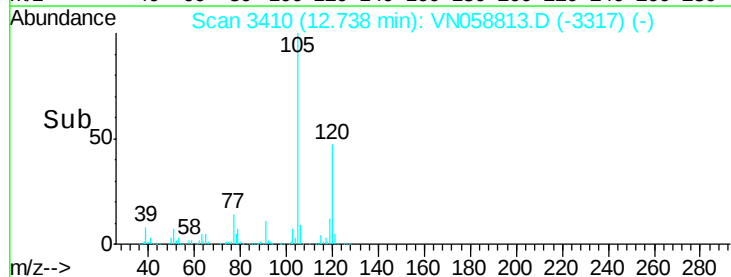
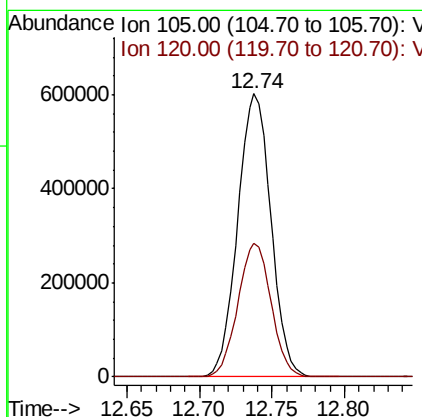
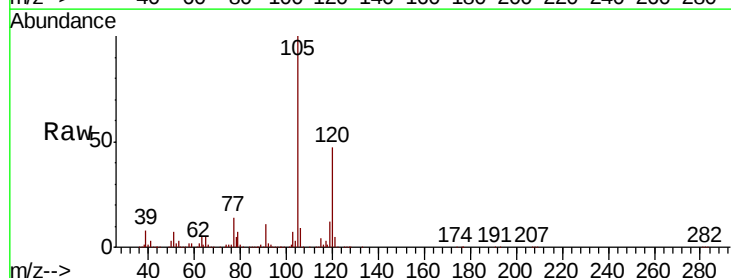
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

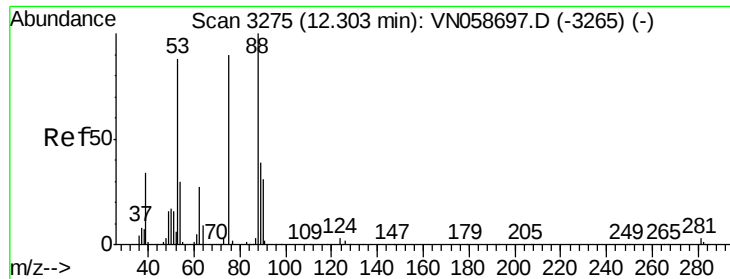
Tot Ion: 91 Resp: 778907
 Ion Ratio Lower Upper
 91 100
 126 32.6 16.2 48.5



#80
 1,3,5-Trimethylbenzene
 Concen: 55.147 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion: 105 Resp: 956519
 Ion Ratio Lower Upper
 105 100
 120 47.4 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 55.798 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

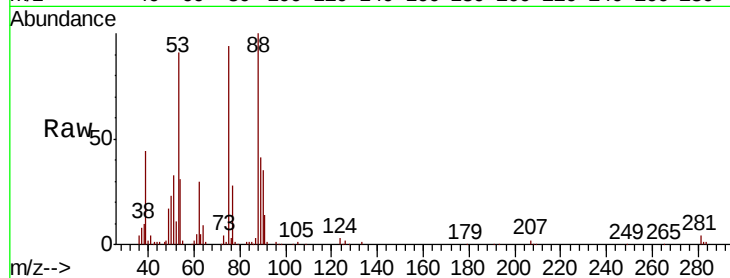
Tot Ion: 75 Resp: 128192

Ion Ratio Lower Upper

75 100

53 99.4 78.4 117.6

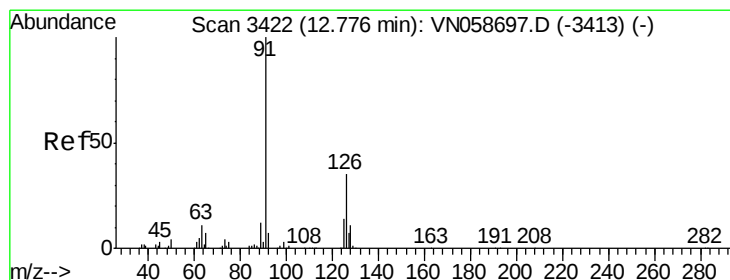
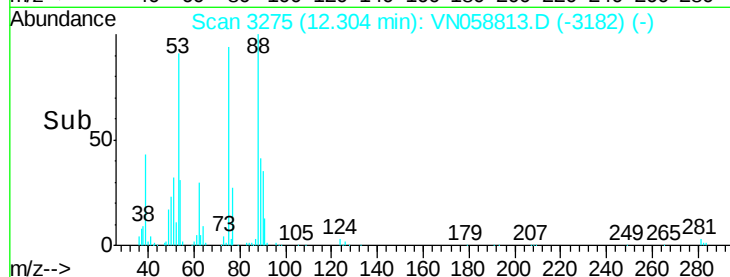
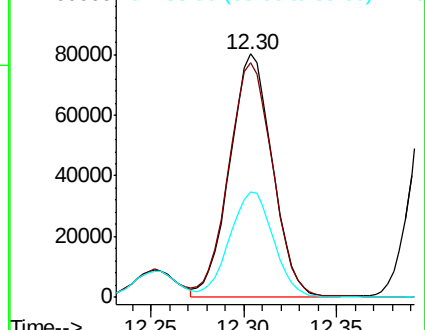
89 44.1 34.9 52.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 54.211 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058813.D

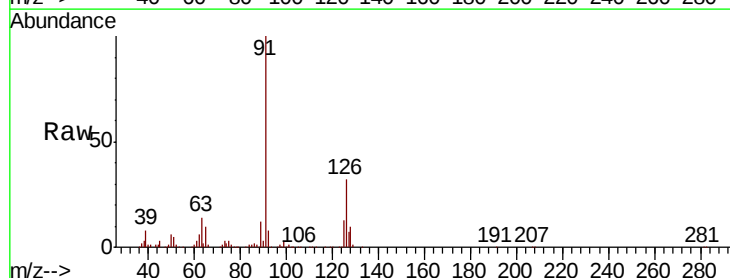
Acq: 16 Oct 2019 19:30

Tgt Ion: 91 Resp: 817401

Ion Ratio Lower Upper

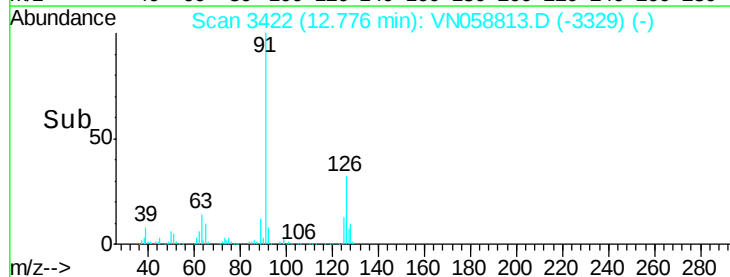
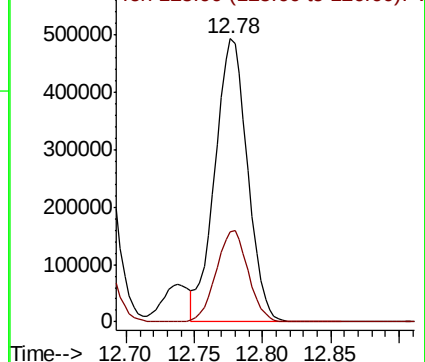
91 100

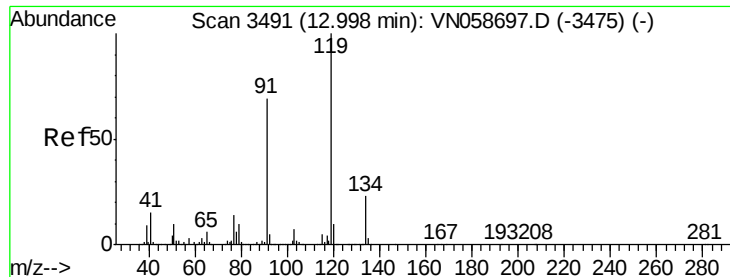
126 31.6 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 54.335 ug/l

RT: 13.00 min Scan# 3491

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

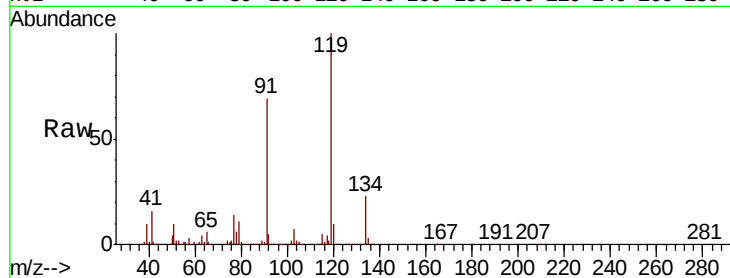
Tot Ion:119 Resp: 807360

Ion Ratio Lower Upper

119 100

91 68.2 33.8 101.3

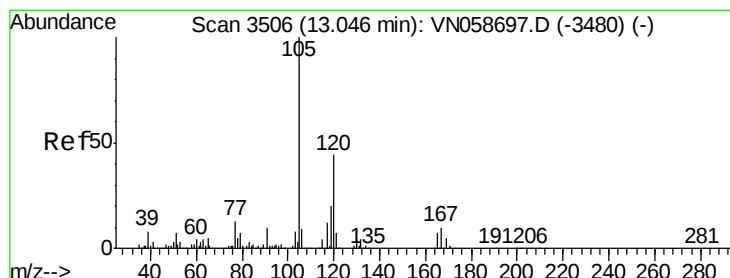
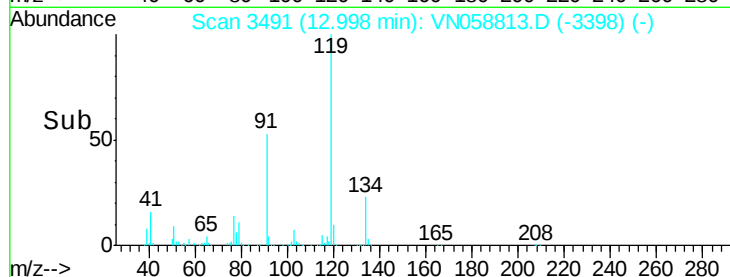
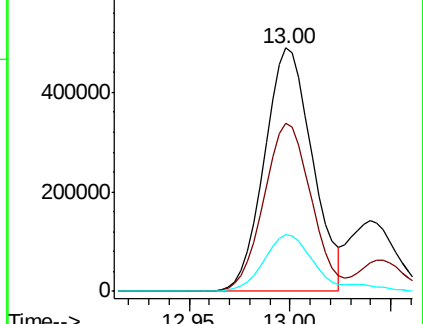
134 25.4 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 56.216 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. 0.00 min

Lab File: VN058813.D

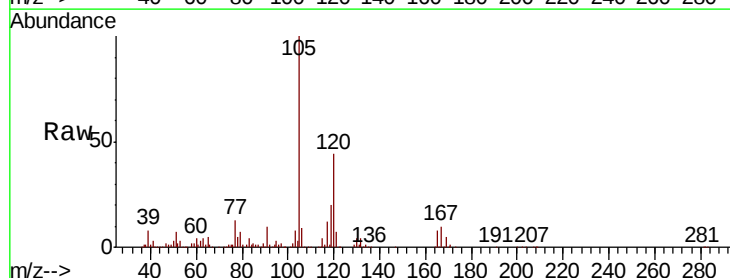
Acq: 16 Oct 2019 19:30

Tgt Ion:105 Resp: 967980

Ion Ratio Lower Upper

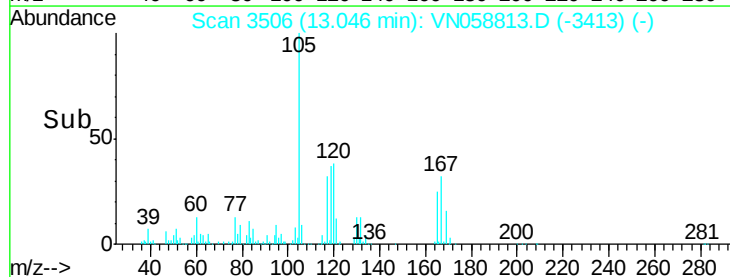
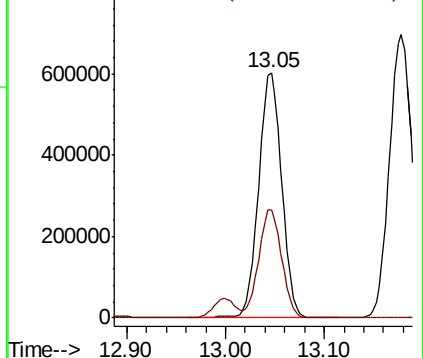
105 100

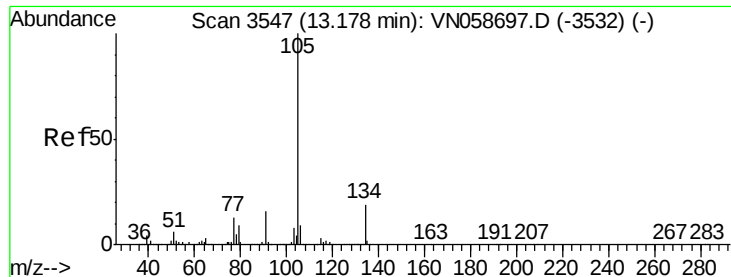
120 43.9 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 56.617 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

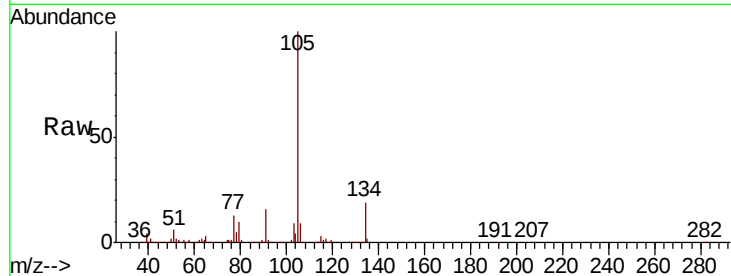
VSTDCCC050EC

Tot Ion:105 Resp: 1108498

Ion Ratio Lower Upper

105 100

134 19.0 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

800000

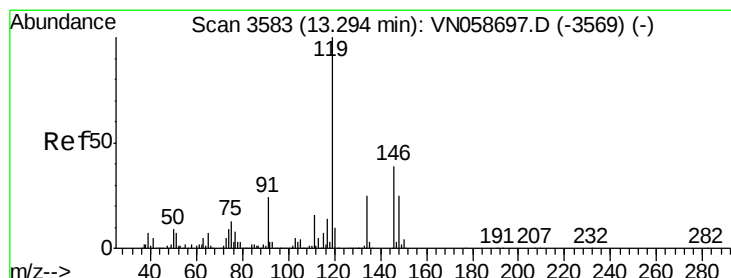
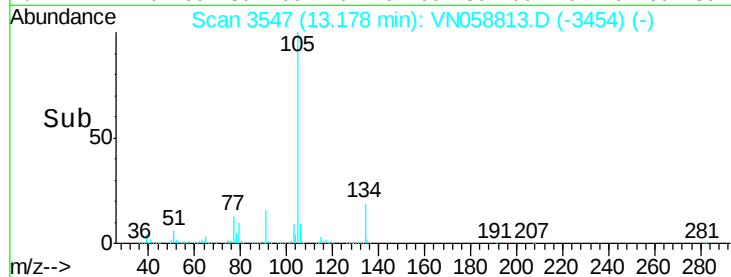
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 55.847 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

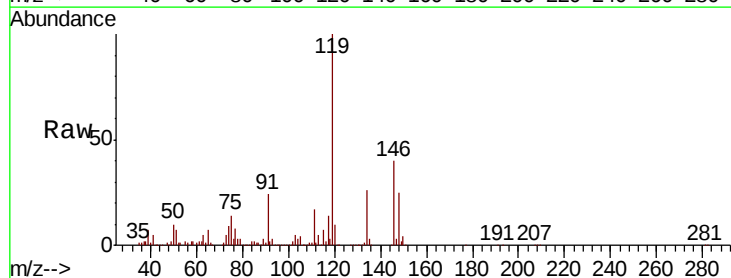
Tgt Ion:119 Resp: 993770

Ion Ratio Lower Upper

119 100

134 25.4 12.7 38.1

91 24.2 11.9 35.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

800000

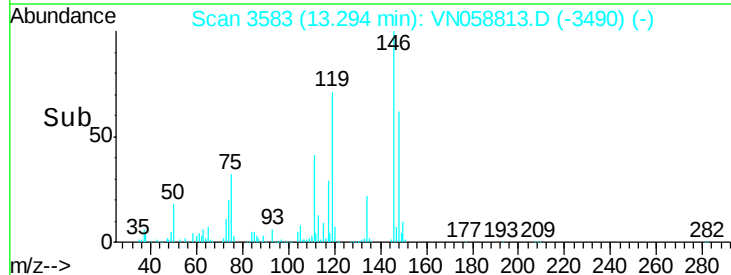
600000

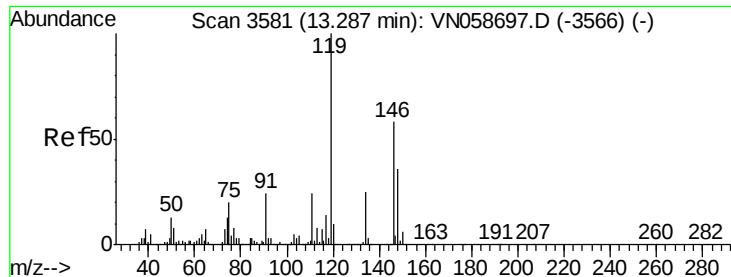
400000

200000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 52.665 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

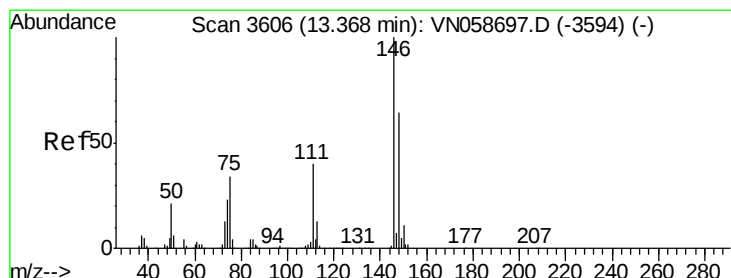
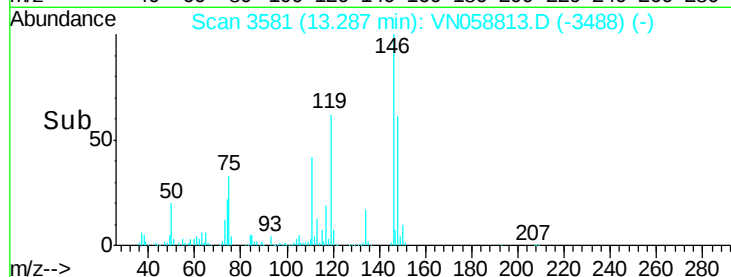
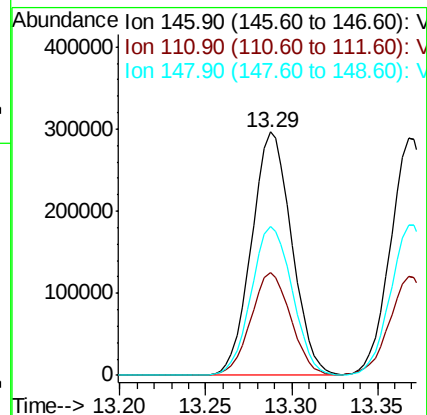
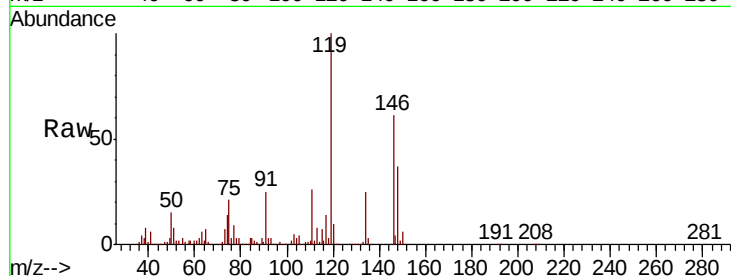
Tot Ion:146 Resp: 479953

Ion Ratio Lower Upper

146 100

111 42.1 20.5 61.6

148 62.6 31.3 93.9



#88

1,4-Dichlorobenzene

Concen: 51.238 ug/l

RT: 13.37 min Scan# 3606

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

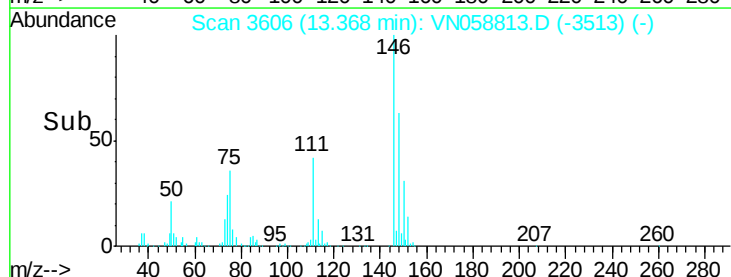
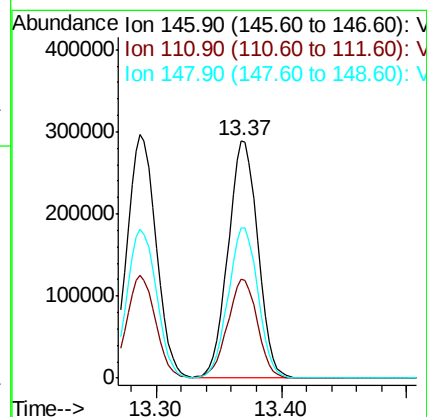
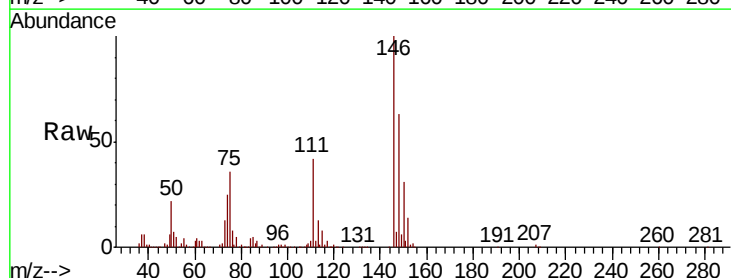
Tgt Ion:146 Resp: 474761

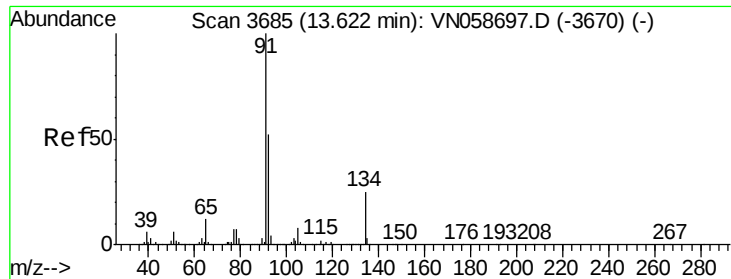
Ion Ratio Lower Upper

146 100

111 41.6 20.1 60.2

148 63.7 31.9 95.7





#89

n-Butylbenzene

Concen: 54.549 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

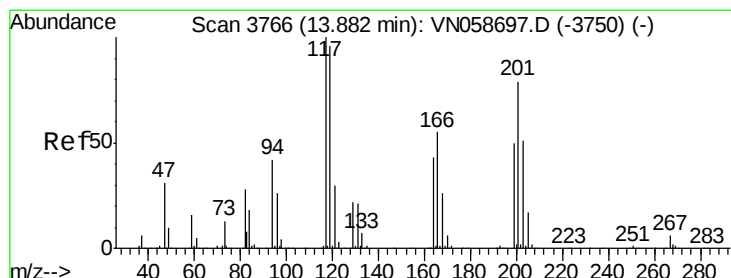
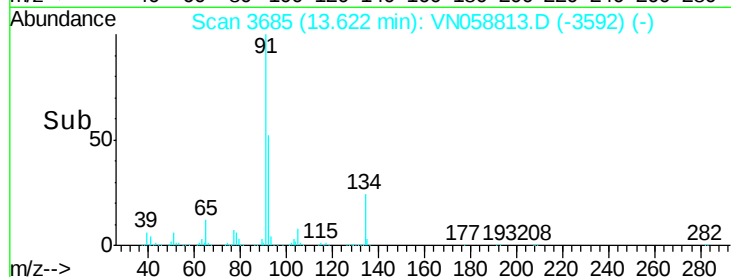
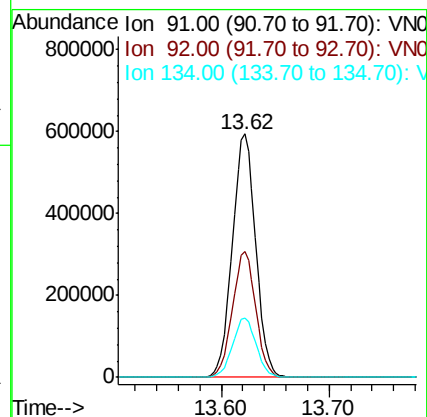
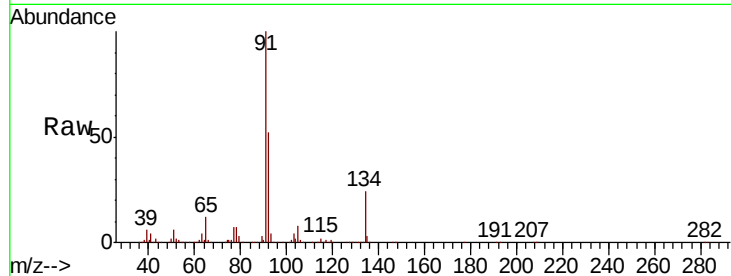
Tot Ion: 91 Resp: 897549

Ion Ratio Lower Upper

91 100

92 51.5 26.0 78.0

134 24.5 12.2 36.6



#90

Hexachloroethane

Concen: 57.239 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058813.D

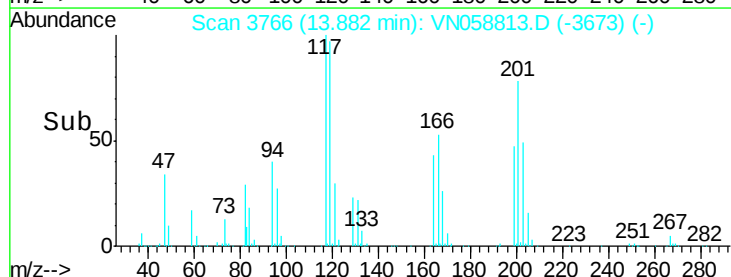
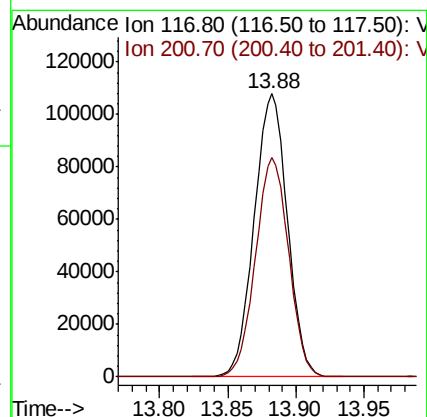
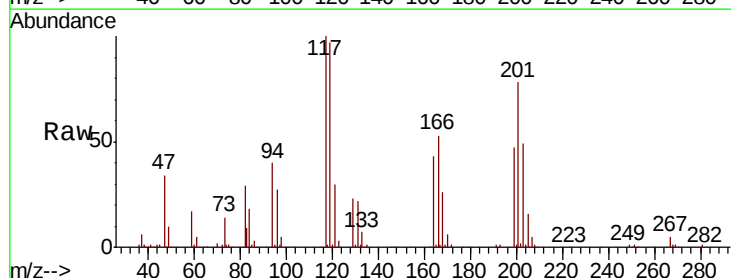
Acq: 16 Oct 2019 19:30

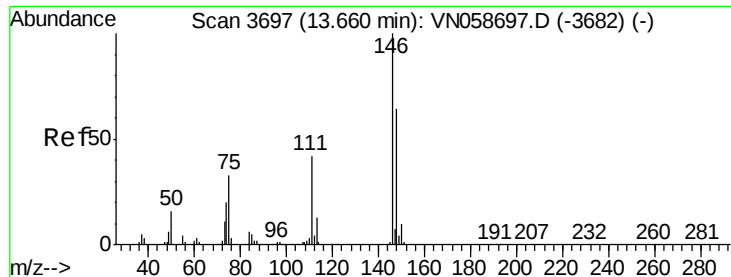
Tgt Ion: 117 Resp: 182249

Ion Ratio Lower Upper

117 100

201 77.3 39.6 118.7

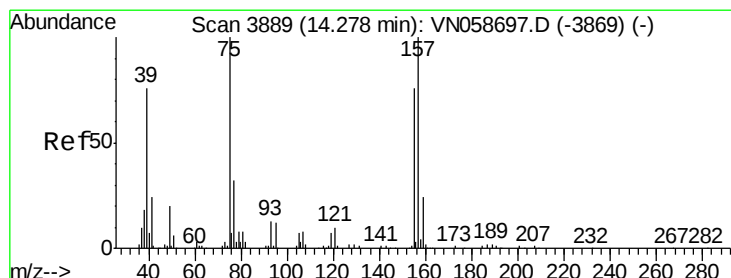
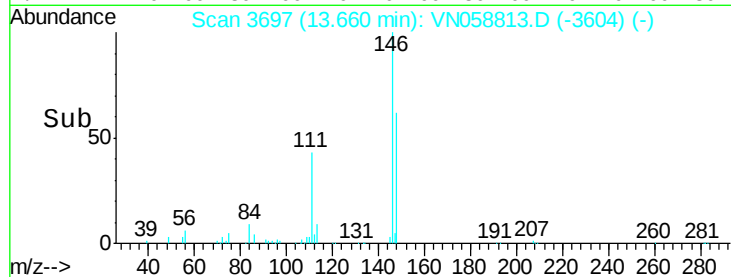
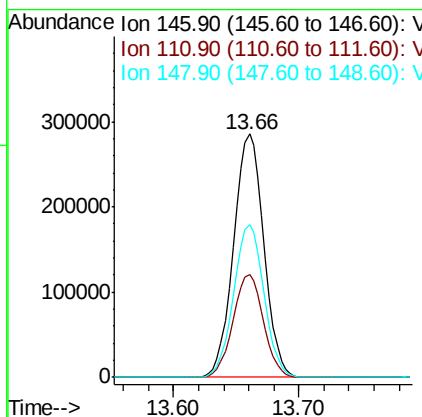
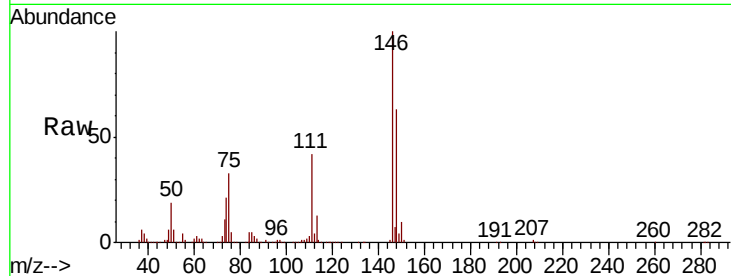




#91
 1,2-Dichlorobenzene
 Concen: 53.843 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

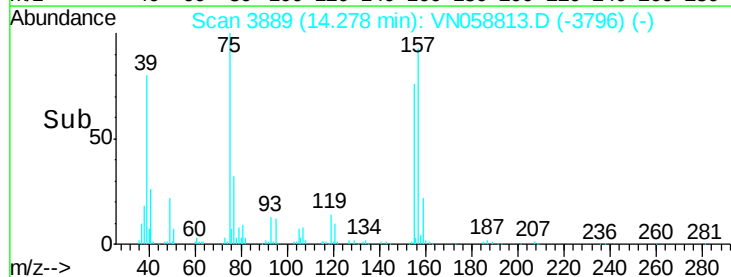
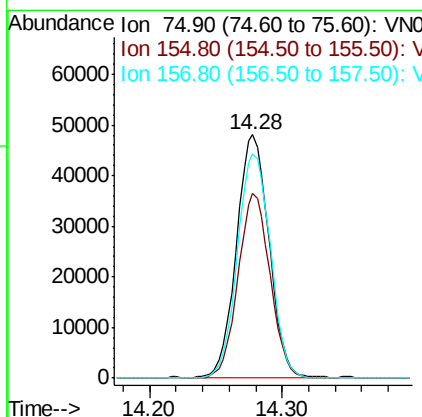
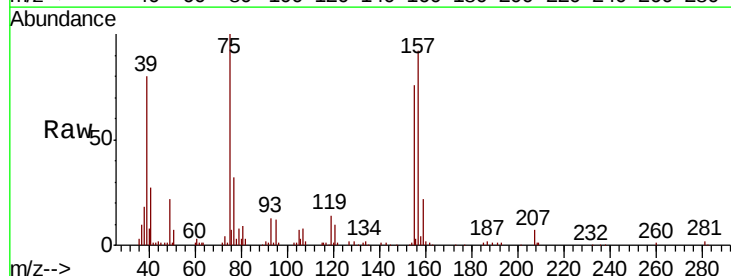
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

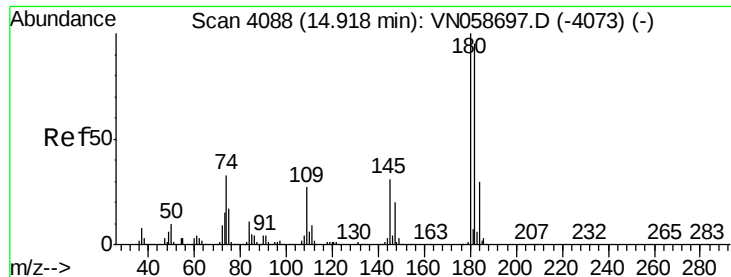
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.1	63.4
148	62.9	31.8	95.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.670 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058813.D
 Acq: 16 Oct 2019 19:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	37.9	113.6
157	92.9	49.4	148.2





#93

1,2,4-Trichlorobenzene

Concen: 51.869 ug/l

RT: 14.92 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

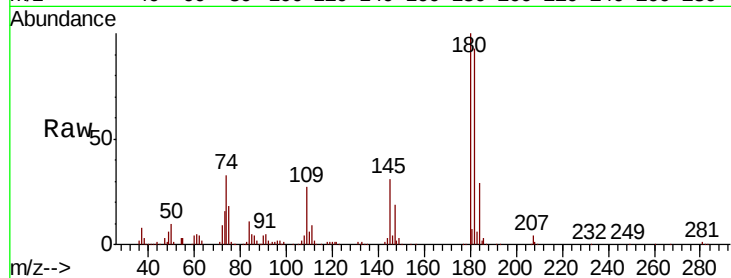
Tot Ion:180 Resp: 281038

Ion Ratio Lower Upper

180 100

182 94.1 47.4 142.2

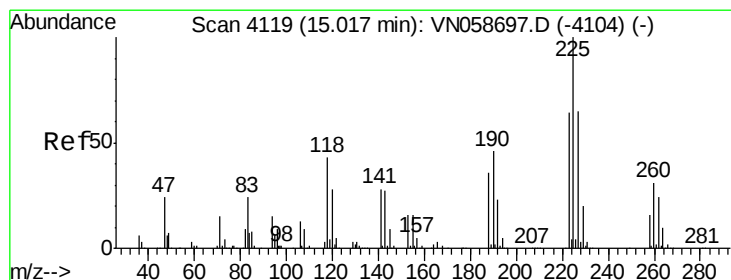
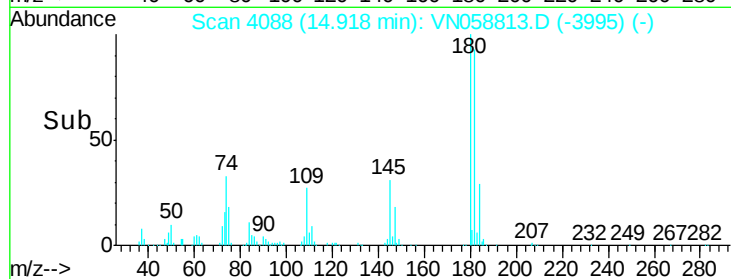
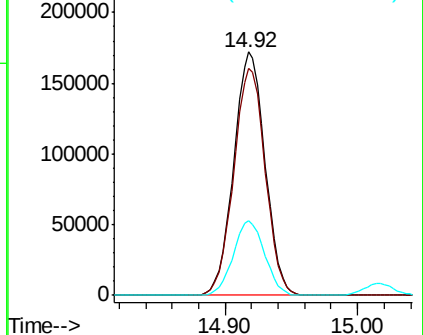
145 30.7 15.4 46.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 50.857 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058813.D

Acq: 16 Oct 2019 19:30

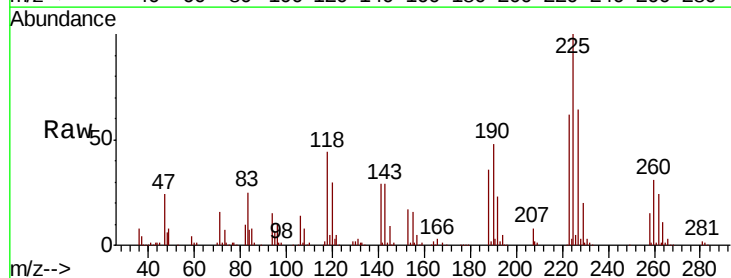
Tgt Ion:225 Resp: 145111

Ion Ratio Lower Upper

225 100

223 61.0 32.3 96.8

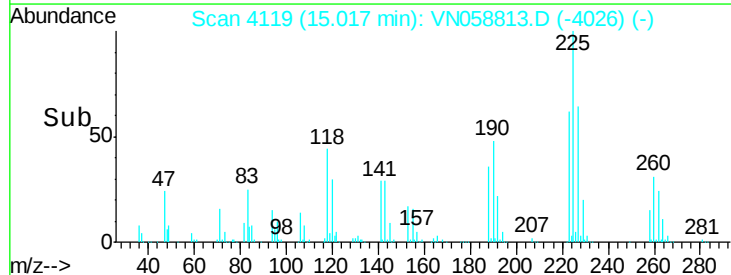
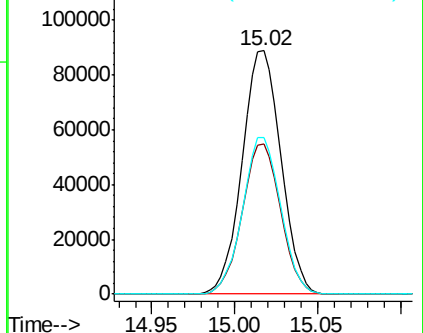
227 63.1 32.4 97.0

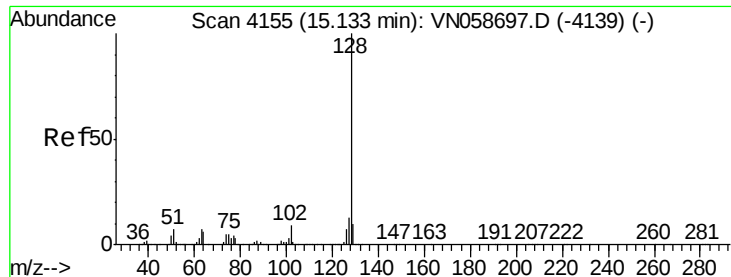


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

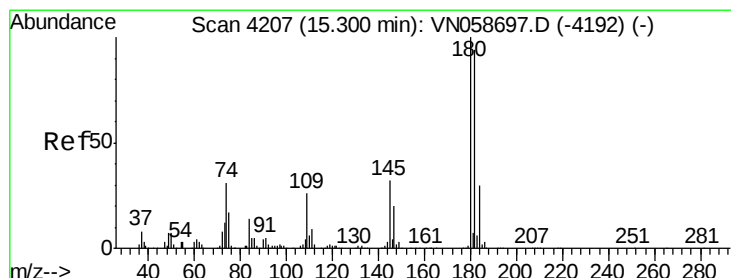
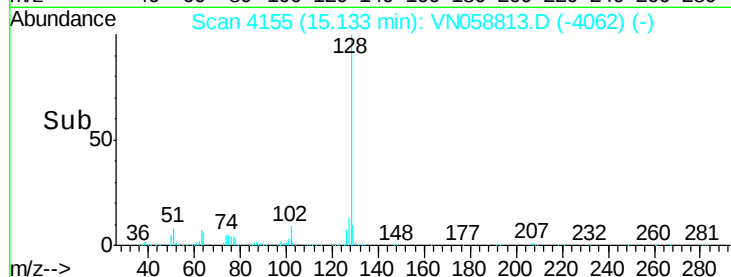
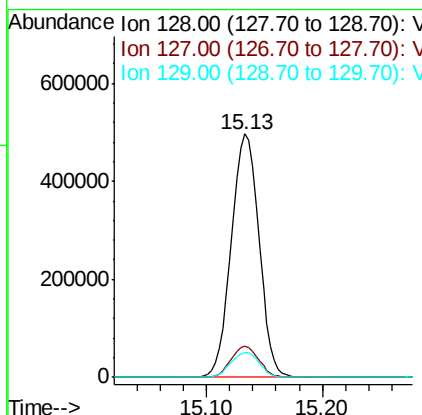
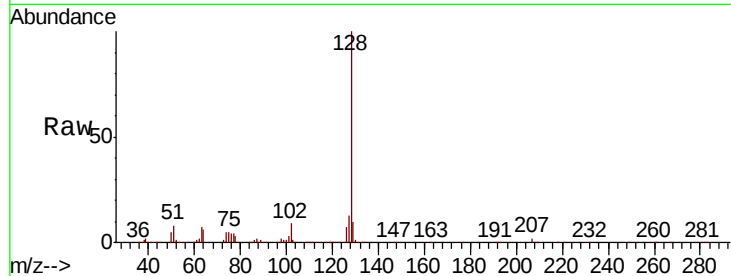




#95
Naphthalene
Concen: 52.855 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 823046
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 10.6 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 51.269 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN058813.D
Acq: 16 Oct 2019 19:30

Tgt Ion:180 Resp: 271211
Ion Ratio Lower Upper
180 100
182 95.1 47.3 142.0
145 32.7 16.2 48.6

