

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062285.D
 Acq On : 24 Apr 2019 17:14
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 25 07:37:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	505864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	701013	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	514470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.61	152	295213	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.03	65	78696	19.18	ug/l	0.00
Spiked Amount			Recovery	=	38.36%	
35) Dibromofluoromethane	4.31	113	101827	19.09	ug/l	0.00
Spiked Amount			Recovery	=	38.18%	
50) Toluene-d8	7.72	98	252448	19.82	ug/l	0.00
Spiked Amount			Recovery	=	39.64%	
62) 4-Bromofluorobenzene	11.50	95	102567	19.10	ug/l	0.00
Spiked Amount			Recovery	=	38.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	123749	19.773	ug/l	96
3) Chloromethane	1.15	50	101528	19.371	ug/l #	84
4) Vinyl Chloride	1.19	62	96292	19.584	ug/l	98
5) Bromomethane	1.40	94	59677	17.983	ug/l	91
6) Chloroethane	1.44	64	39837	18.491	ug/l	96
7) Trichlorofluoromethane	1.55	101	151235	19.498	ug/l	87
8) Diethyl Ether	1.71	74	27330	19.606	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	96420	19.833	ug/l	97
10) Methyl Iodide	1.99	142	167778	19.826	ug/l	99
11) Tert butyl alcohol	2.71	59	25997	106.442	ug/l	97
12) 1,1-Dichloroethene	1.87	96	80265	17.992	ug/l	94
13) Acrolein	2.11	56	26045	161.016	ug/l	92
14) Allyl chloride	2.20	41	90496	13.455	ug/l #	68
15) Acrylonitrile	3.09	53	70759	100.173	ug/l	98
16) Acetone	2.35	43	94503	103.116	ug/l	99
17) Carbon Disulfide	1.92	76	215481	18.628	ug/l #	91
18) Methyl Acetate	2.47	43	39860	17.541	ug/l	95
19) Methyl tert-butyl Ether	2.56	73	168527	20.503	ug/l	95
20) Methylene Chloride	2.34	84	63752	10.995	ug/l	93
21) trans-1,2-Dichloroethene	2.43	96	84428	19.704	ug/l	97
22) Diisopropyl ether	2.94	45	250677	19.582	ug/l	99
23) Vinyl Acetate	3.35	43	592977	106.916	ug/l	98
24) 1,1-Dichloroethane	3.01	63	142963	19.907	ug/l	100
25) 2-Butanone	4.53	43	153912	105.961	ug/l	96
26) 2,2-Dichloropropane	3.78	77	77994	20.795	ug/l	98
27) cis-1,2-Dichloroethene	3.65	96	105044	19.165	ug/l	98
28) Bromochloromethane	3.91	49	62433	19.879	ug/l #	100
29) Tetrahydrofuran	4.29	42	68790	108.656	ug/l	94
30) Chloroform	4.06	83	184056	20.548	ug/l	95
31) Cyclohexane	3.88	56	132668	19.098	ug/l	93
32) 1,1,1-Trichloroethane	4.30	97	151039	22.642	ug/l #	91
36) 1,1-Dichloropropene	4.48	75	130354	19.578	ug/l	98
37) Ethyl Acetate	4.31	43	57321	20.968	ug/l #	96
38) Carbon Tetrachloride	4.19	117	171960	26.433	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	151355	19.290	ug/l	99
40) Benzene	4.83	78	319632	19.903	ug/l	99
41) Methacrylonitrile	4.94	41	32699	21.414	ug/l #	68
42) 1,2-Dichloroethane	5.13	62	101791	20.640	ug/l	99
43) Isopropyl Acetate	7.12	43	61578	21.356	ug/l #	98
44) Trichloroethene	5.69	130	112898	20.786	ug/l	98
45) 1,2-Dichloropropane	6.41	63	73776	20.855	ug/l	93
46) Dibromomethane	6.27	93	52054	20.314	ug/l	98
47) Bromodichloromethane	6.56	83	121131	20.079	ug/l	95
48) Methyl methacrylate	6.89	41	40293	20.366	ug/l	95
49) 1,4-Dioxane	6.89	88	9922	438.183	ug/l	91
51) 4-Methyl-2-Pentanone	8.42	43	220245	99.831	ug/l	99
52) Toluene	7.78	92	185836	20.176	ug/l	96
53) t-1,3-Dichloropropene	8.44	75	95543	21.747	ug/l	97
54) cis-1,3-Dichloropropene	7.47	75	118193	20.718	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	53208	21.136	ug/l	94
56) Ethyl methacrylate	8.76	69	55456	19.705	ug/l	96
57) 1,3-Dichloropropane	9.01	76	85991	21.720	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	93818	107.911	ug/l	99
59) 2-Hexanone	9.63	43	154270	71.706	ug/l	97
60) Dibromochloromethane	8.87	129	85877	21.170	ug/l	100
61) 1,2-Dibromoethane	9.14	107	60747	20.707	ug/l	98
64) Tetrachloroethene	8.31	164	93143	21.063	ug/l	95
65) Chlorobenzene	9.94	112	197652	20.714	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	92953	20.210	ug/l	98
67) Ethyl Benzene	10.04	91	350928	20.733	ug/l	95
68) m/p-Xylenes	10.27	106	257287	41.169	ug/l	96
69) o-Xylene	10.82	106	145367	20.721	ug/l	98
70) Styrene	10.90	104	213872	21.073	ug/l	98
71) Bromoform	10.88	173	54855	21.975	ug/l #	97
73) Isopropylbenzene	11.22	105	419219	19.891	ug/l	99
74) N-amyl acetate	11.45	43	98618	20.609	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	69492	22.048	ug/l	99
76) 1,2,3-Trichloropropane	11.88	75	45483	19.998	ug/l #	100
77) Bromobenzene	11.59	156	107494	21.147	ug/l	99
78) n-propylbenzene	11.68	91	453267	20.666	ug/l	100
79) 2-Chlorotoluene	11.81	91	267039	20.486	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	375305	21.282	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	29986	22.704	ug/l #	66
82) 4-Chlorotoluene	11.97	91	272116	21.066	ug/l	99
83) tert-Butylbenzene	12.20	119	376803	20.379	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	352620	20.333	ug/l	98
85) sec-Butylbenzene	12.38	105	464850	20.253	ug/l	98
86) p-Isopropyltoluene	12.53	119	423161	20.712	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	189650	20.504	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	182469	21.039	ug/l	99
89) n-Butylbenzene	12.90	91	384900	20.201	ug/l	97
90) Hexachloroethane	12.98	117	101944	20.111	ug/l	97
91) 1,2-Dichlorobenzene	13.01	146	186392	20.963	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	12796	19.973	ug/l	91

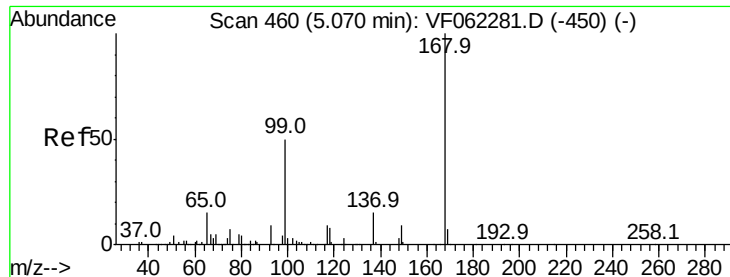
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	162612	20.642	ug/l	100
94) Hexachlorobutadiene	14.23	225	116530	20.840	ug/l	99
95) Naphthalene	14.50	128	241849	20.676	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	153713	21.199	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

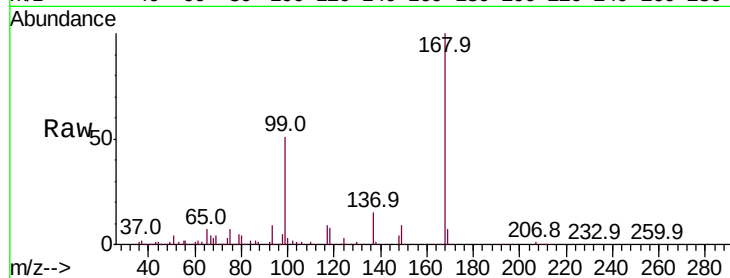
VSTDIC020

Tot Ion:168 Resp: 505864

Ion Ratio Lower Upper

168 100

99 51.3 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.06

150000

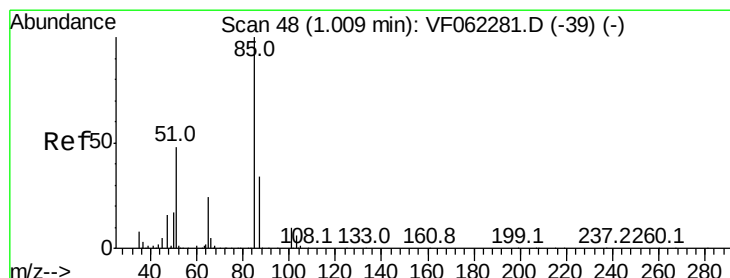
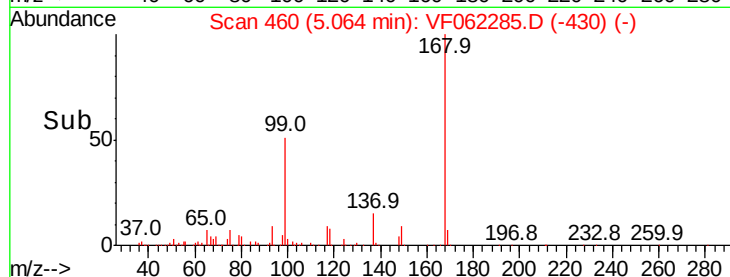
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 19.773 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.01 min

Lab File: VF062285.D

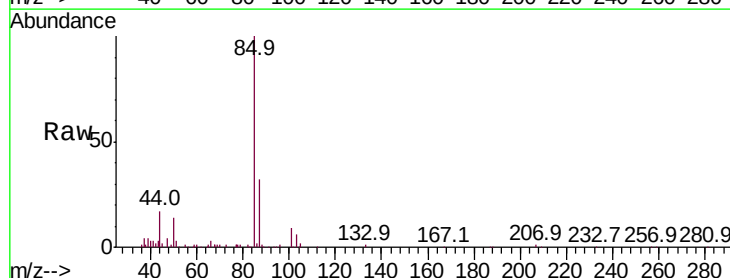
Acq: 24 Apr 2019 17:14

Tgt Ion: 85 Resp: 123749

Ion Ratio Lower Upper

85 100

87 32.1 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

40000

30000

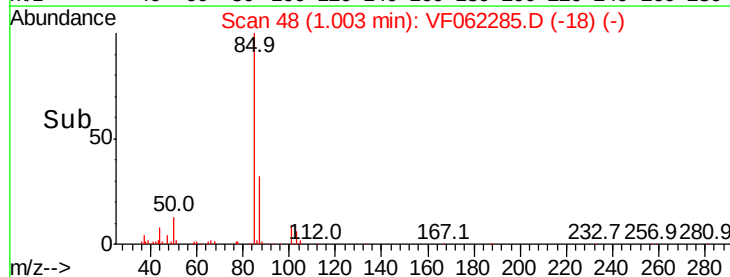
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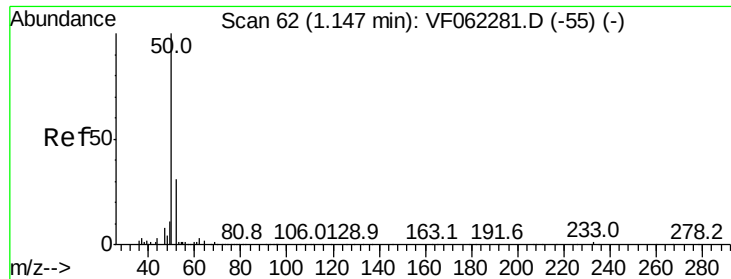
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.371 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

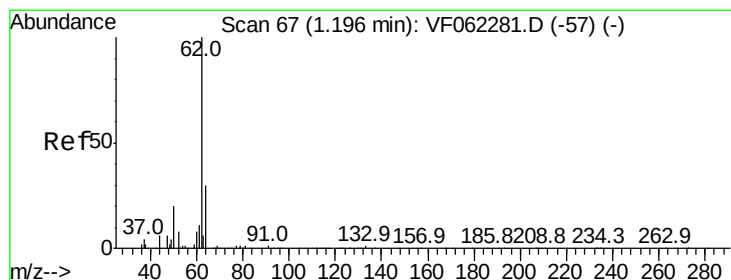
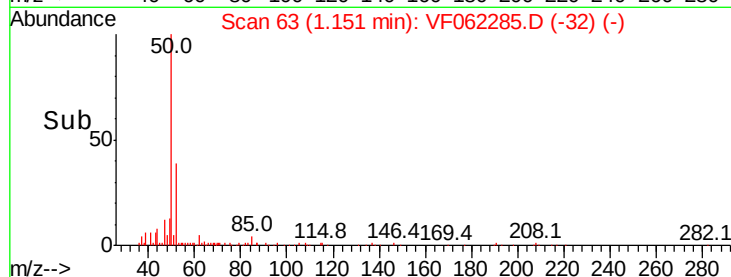
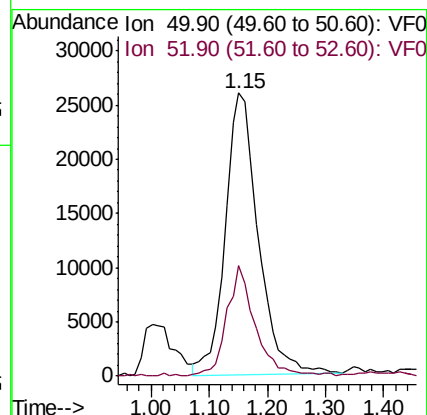
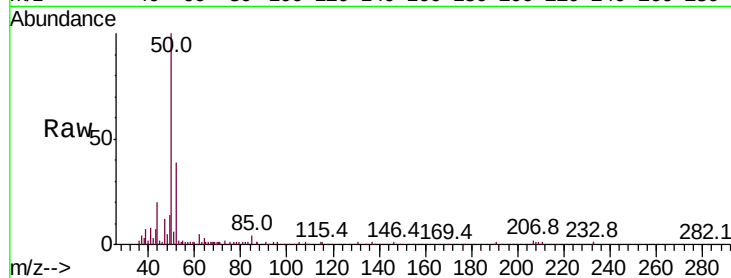
VSTDIC020

Tot Ion: 50 Resp: 101528

Ion Ratio Lower Upper

50 100

52 39.2 24.2 36.4#



#4

Vinyl Chloride

Concen: 19.584 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.01 min

Lab File: VF062285.D

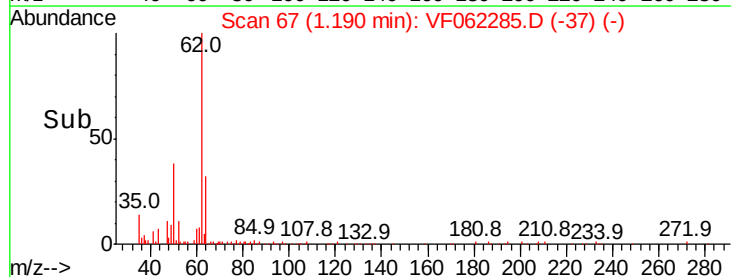
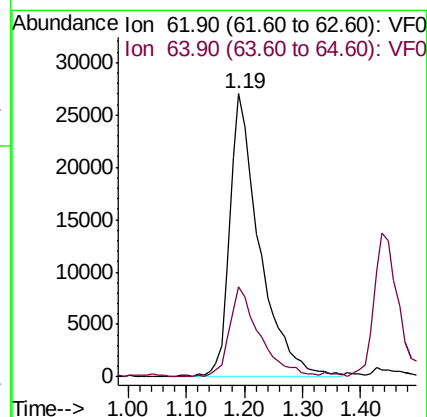
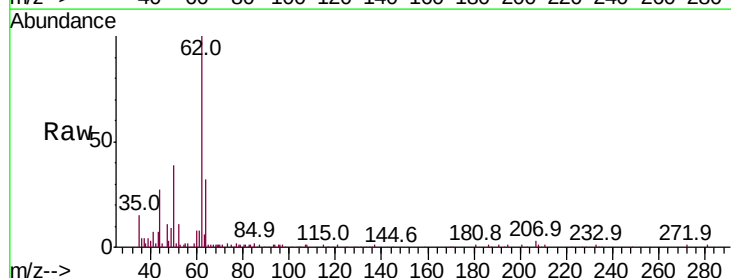
Acq: 24 Apr 2019 17:14

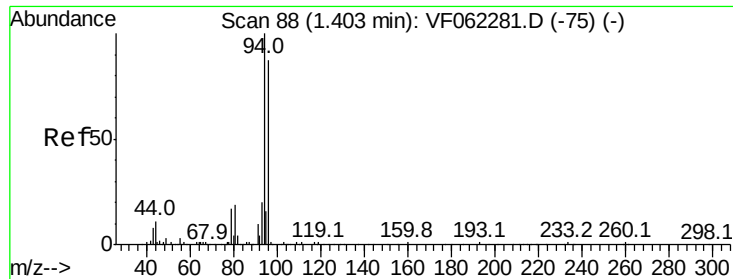
Tgt Ion: 62 Resp: 96292

Ion Ratio Lower Upper

62 100

64 31.6 24.3 36.5





#5

Bromomethane

Concen: 17.983 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

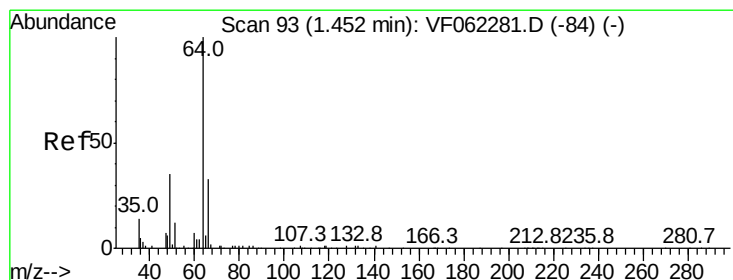
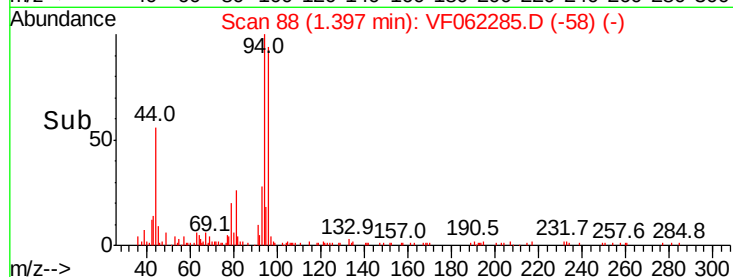
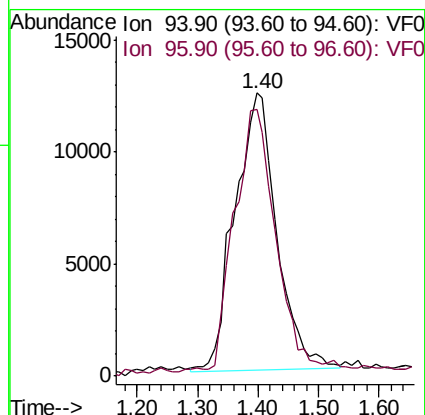
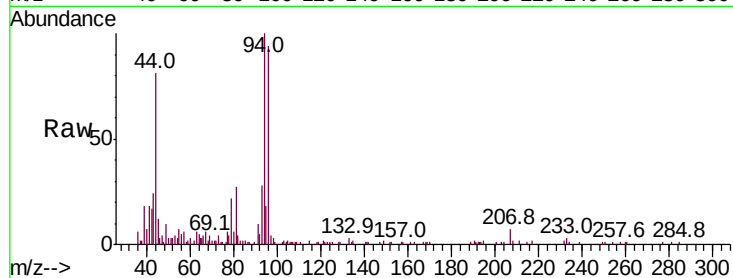
VSTDIC020

Tot Ion: 94 Resp: 59677

Ion Ratio Lower Upper

94 100

96 94.8 69.5 104.3



#6

Chloroethane

Concen: 18.491 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.02 min

Lab File: VF062285.D

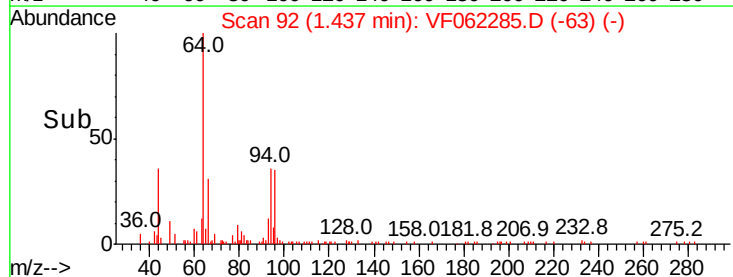
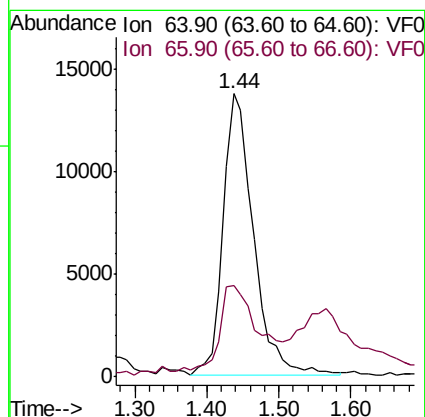
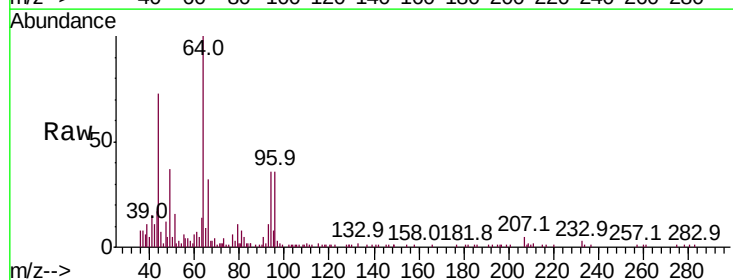
Acq: 24 Apr 2019 17:14

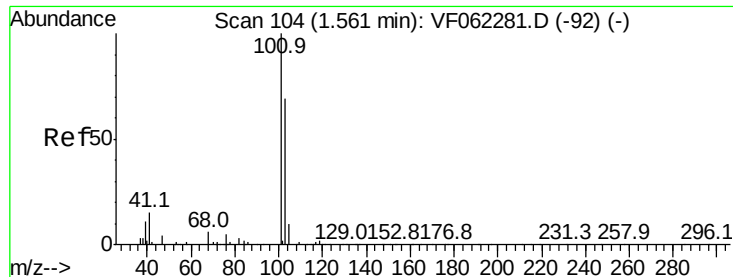
Tgt Ion: 64 Resp: 39837

Ion Ratio Lower Upper

64 100

66 30.0 26.0 39.0



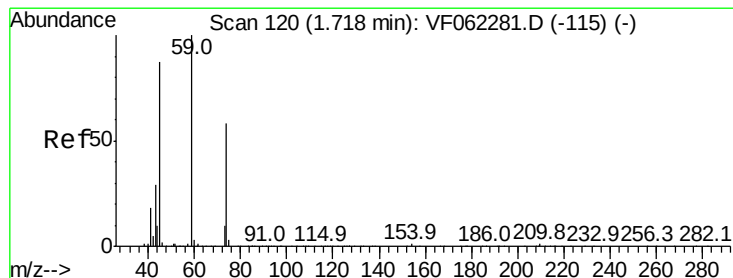
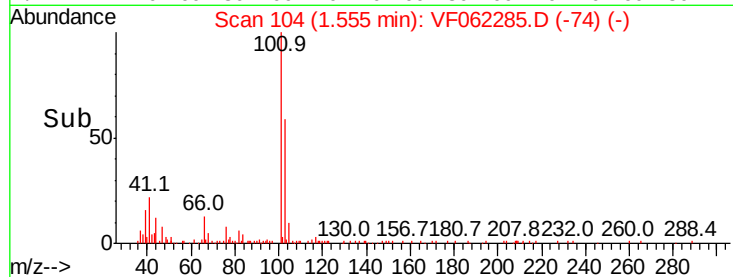
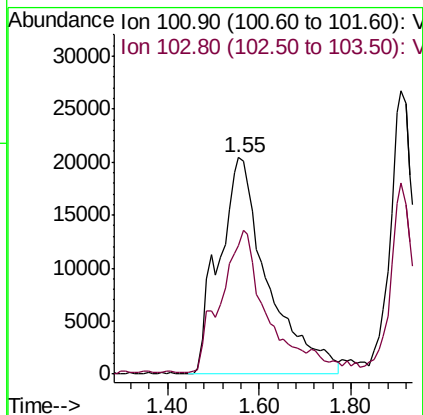
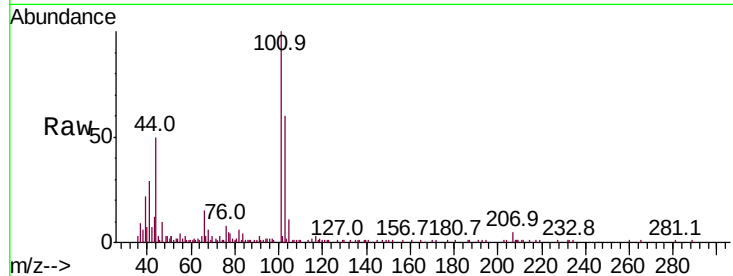


#7

Trichlorofluoromethane
Concen: 19.498 ug/l
RT: 1.55 min Scan# 104
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

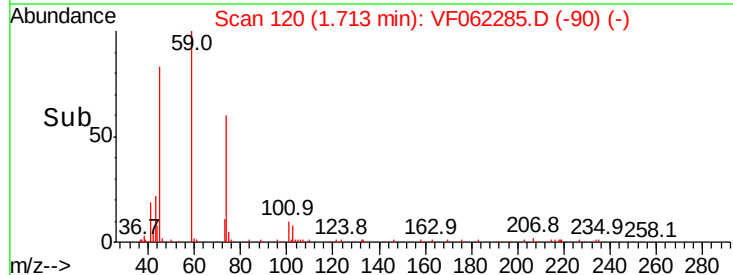
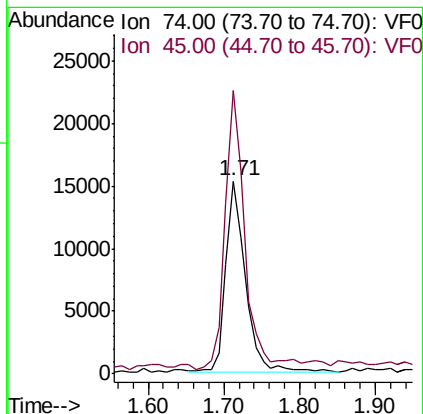
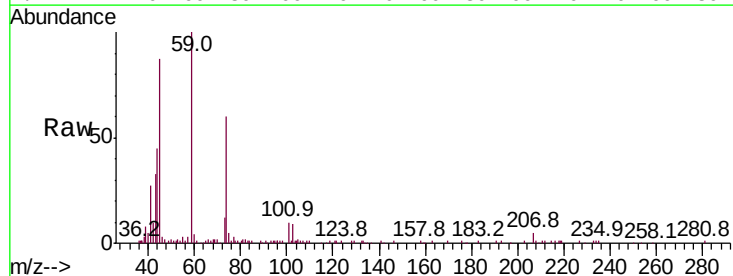
Tot Ion:101 Resp: 151235
Ion Ratio Lower Upper
101 100
103 58.4 55.0 82.6

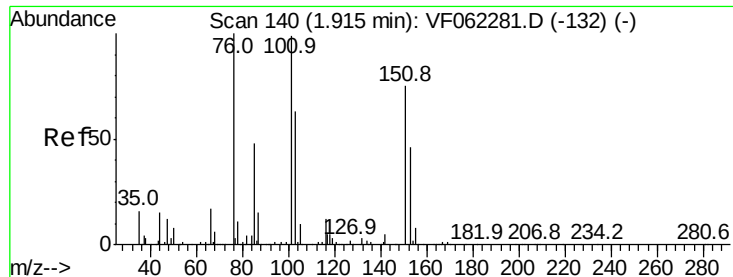


#8

Diethyl Ether
Concen: 19.606 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion: 74 Resp: 27330
Ion Ratio Lower Upper
74 100
45 143.0 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.833 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

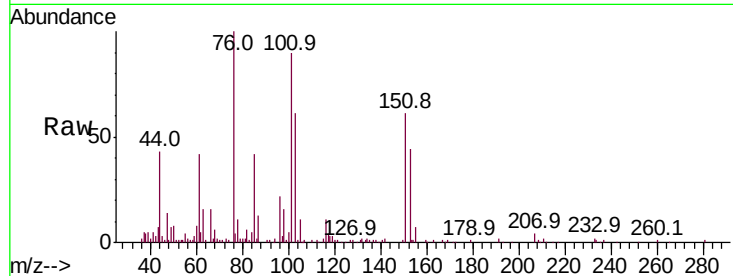
Tot Ion:101 Resp: 96420

Ion Ratio Lower Upper

101 100

85 44.8 36.5 54.7

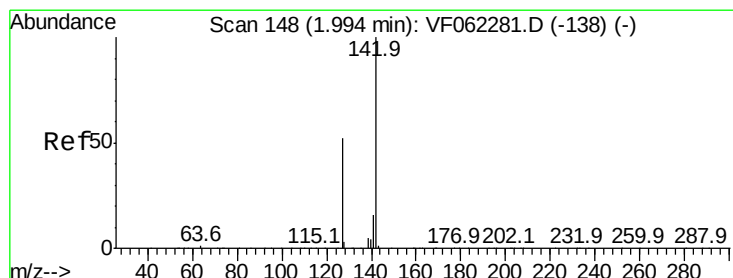
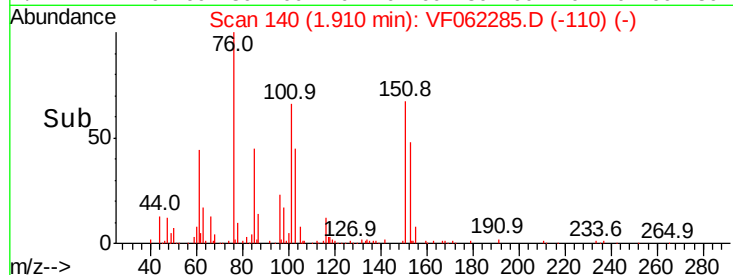
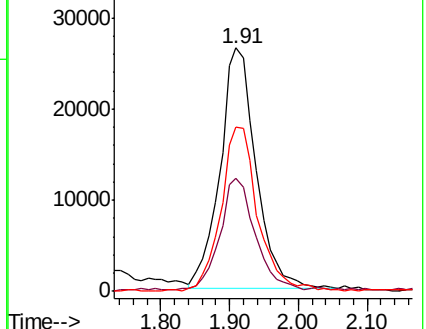
151 70.0 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VF0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.826 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

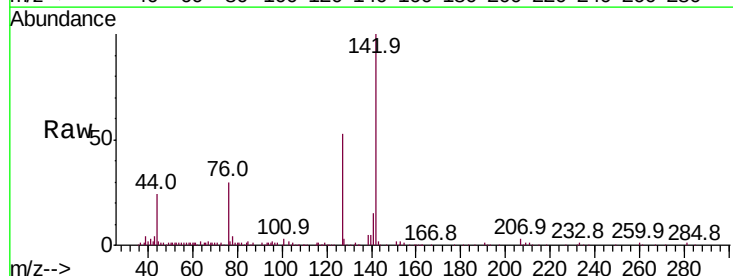
Tgt Ion:142 Resp: 167778

Ion Ratio Lower Upper

142 100

127 54.3 43.0 64.4

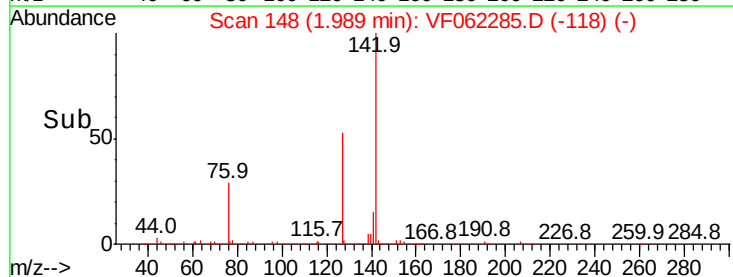
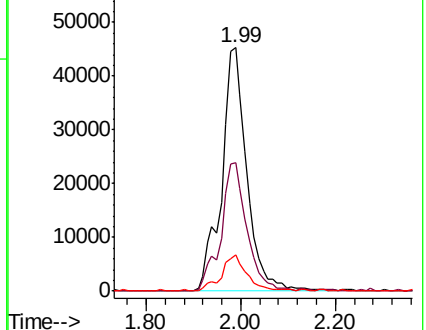
141 14.2 12.3 18.5

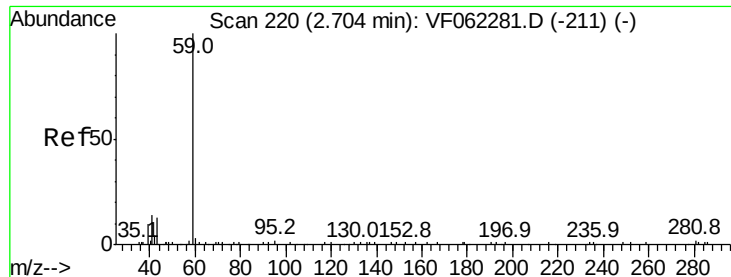


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



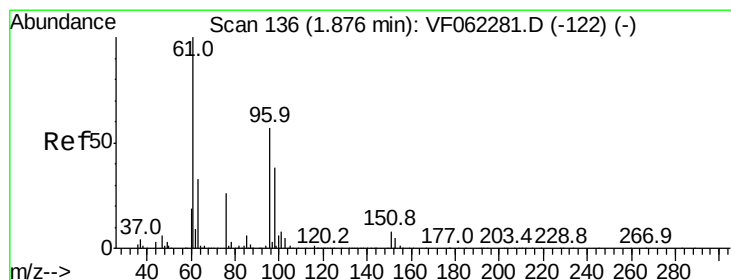
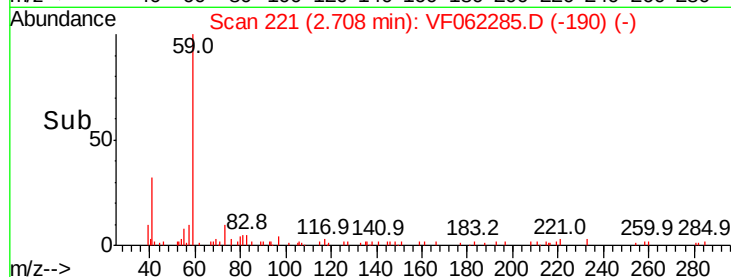
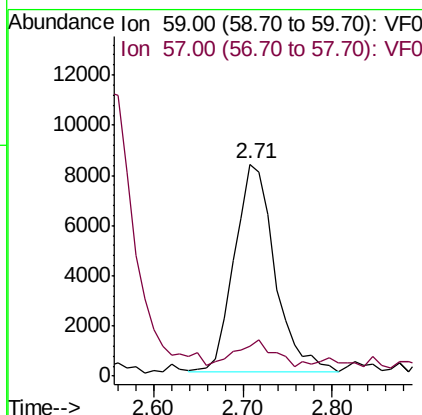
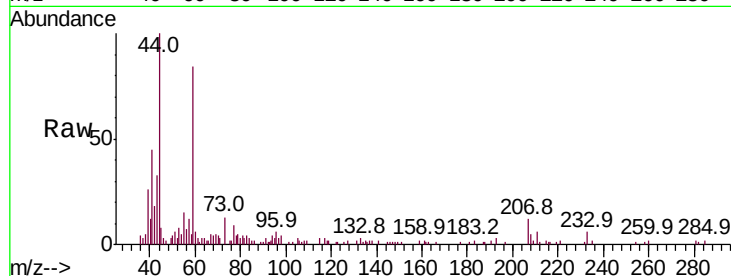


#11

Tert butyl alcohol
 Concen: 106.442 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.00 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

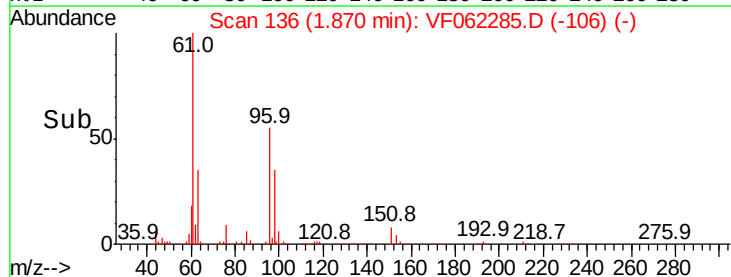
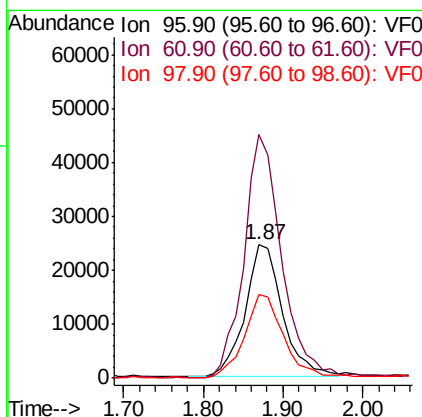
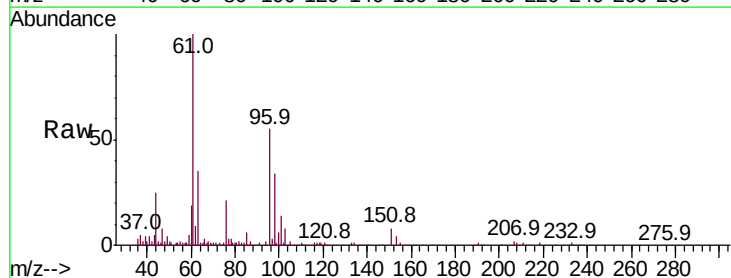
Tot Ion: 59 Resp: 25997
 Ion Ratio Lower Upper
 59 100
 57 12.1 8.8 13.2

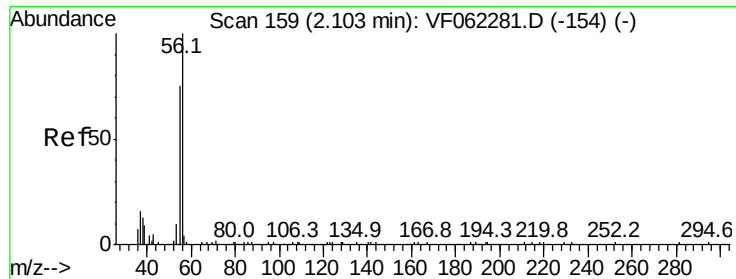


#12

1,1-Dichloroethene
 Concen: 17.992 ug/l
 RT: 1.87 min Scan# 136
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion: 96 Resp: 80265
 Ion Ratio Lower Upper
 96 100
 61 184.4 141.1 211.7
 98 62.6 53.4 80.0





#13

Acrolein

Concen: 161.016 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

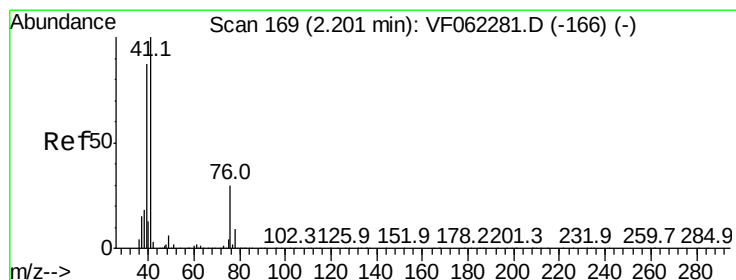
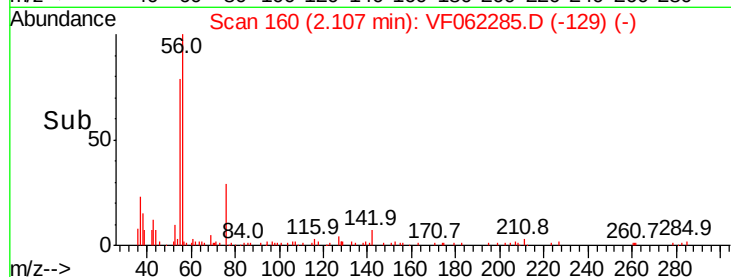
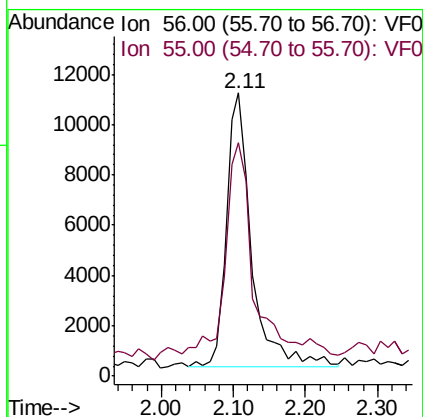
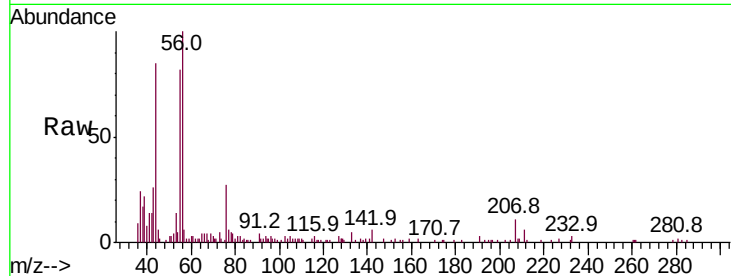
VSTDIC020

Tot Ion: 56 Resp: 26045

Ion Ratio Lower Upper

56 100

55 85.1 62.3 93.5



#14

Allyl chloride

Concen: 13.455 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

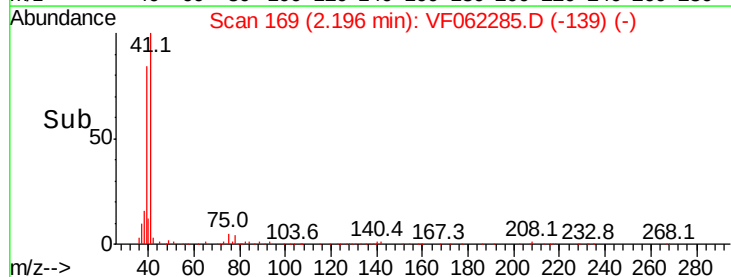
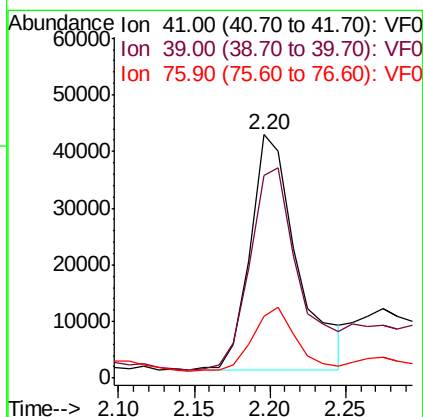
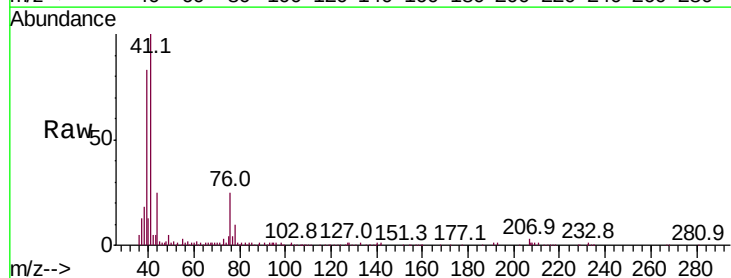
Tgt Ion: 41 Resp: 90496

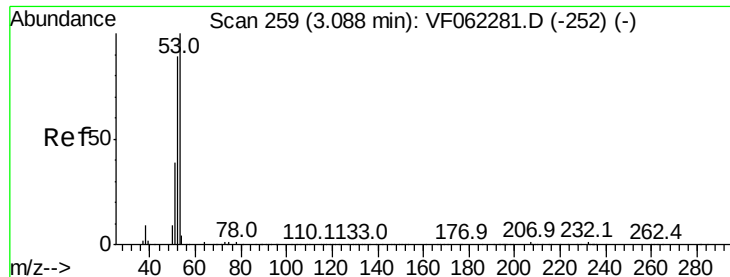
Ion Ratio Lower Upper

41 100

39 90.9 50.3 75.5#

76 26.9 14.8 22.2#





#15

Acrylonitrile

Concen: 100.173 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

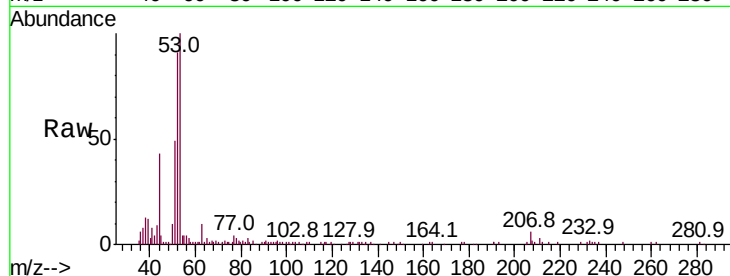
Tot Ion: 53 Resp: 70759

Ion Ratio Lower Upper

53 100

52 89.6 70.6 105.8

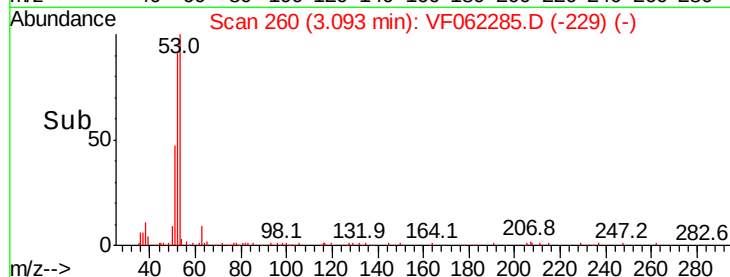
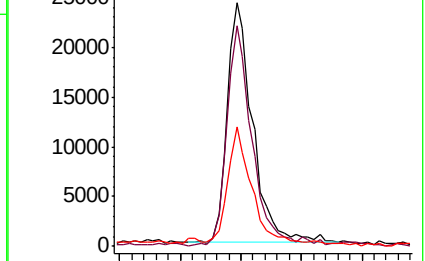
51 43.2 32.6 48.8



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 103.116 ug/l

RT: 2.35 min Scan# 185

Delta R.T. 0.00 min

Lab File: VF062285.D

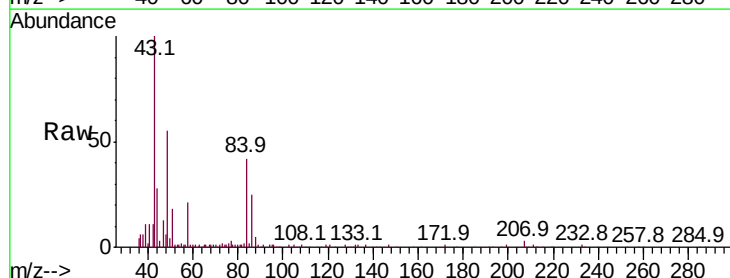
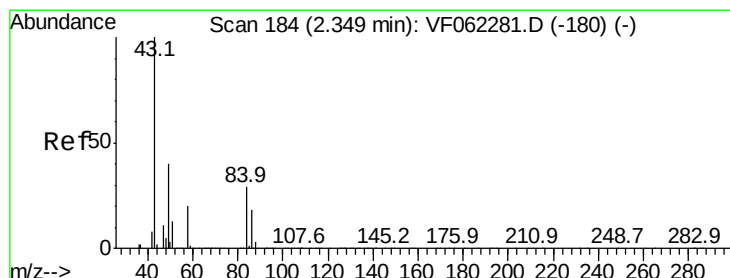
Acq: 24 Apr 2019 17:14

Tgt Ion: 43 Resp: 94503

Ion Ratio Lower Upper

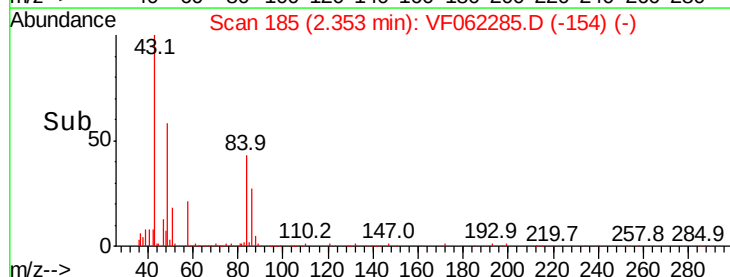
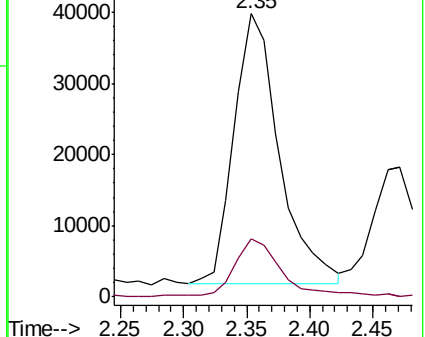
43 100

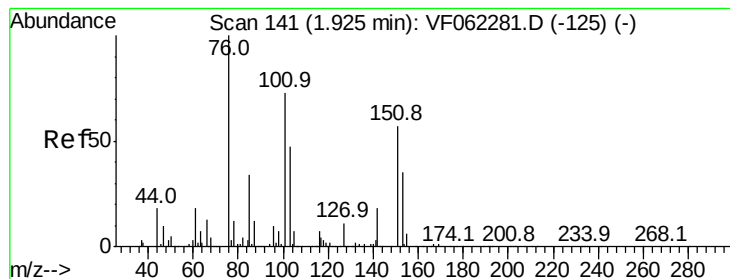
58 21.2 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 18.628 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

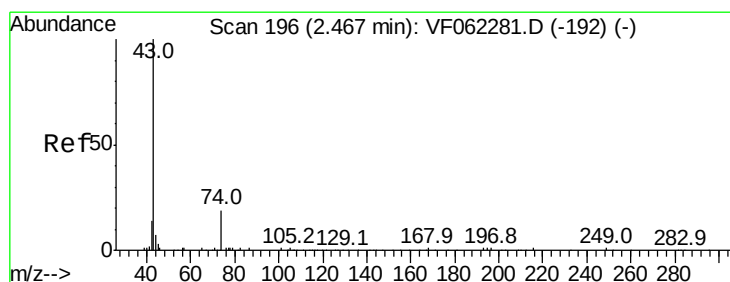
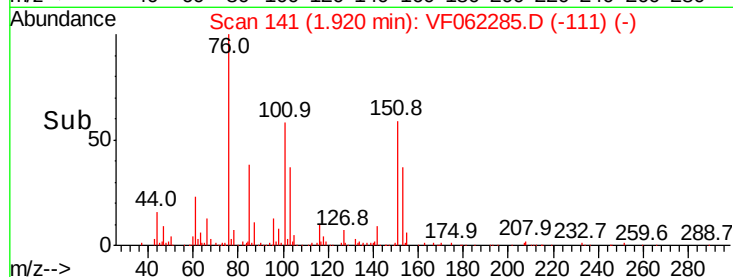
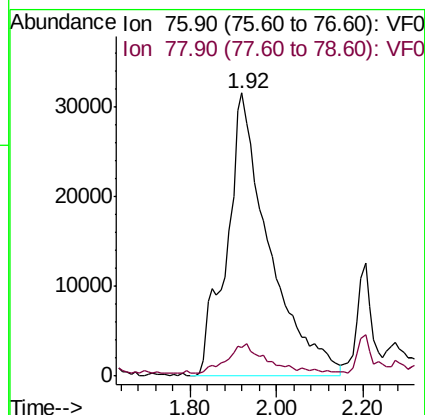
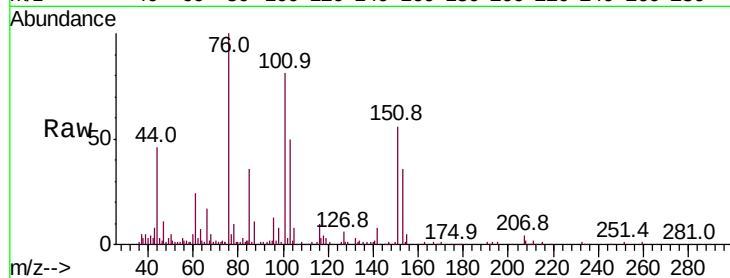
VSTDIC020

Tot Ion: 76 Resp: 215481

Ion Ratio Lower Upper

76 100

78 8.9 9.8 14.8#



#18

Methyl Acetate

Concen: 17.541 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062285.D

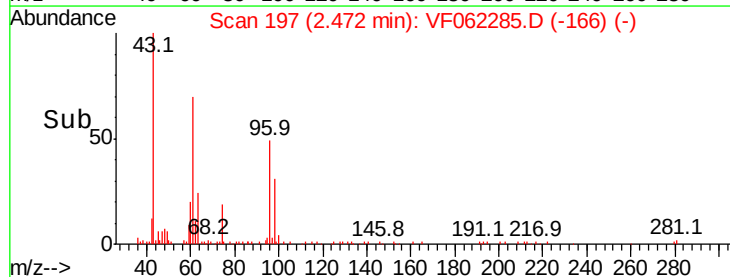
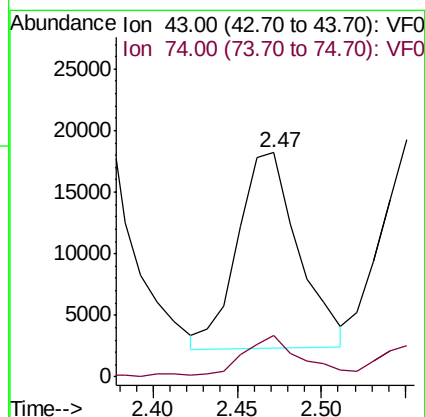
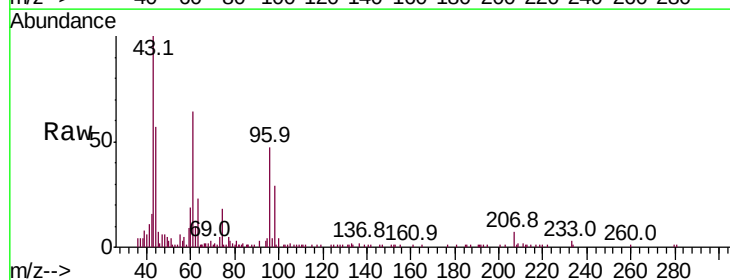
Acq: 24 Apr 2019 17:14

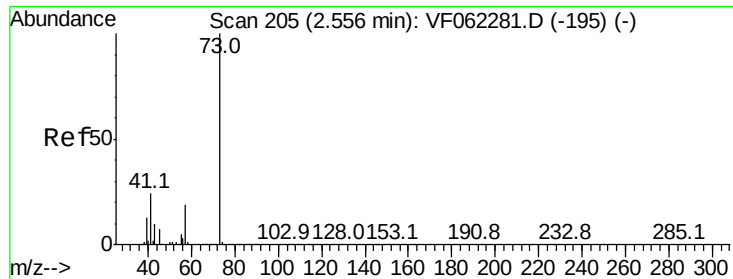
Tgt Ion: 43 Resp: 39860

Ion Ratio Lower Upper

43 100

74 20.2 14.4 21.6

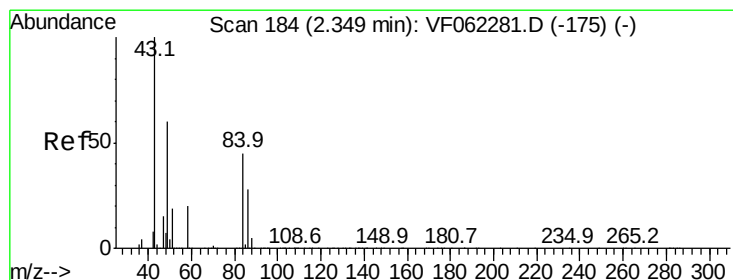
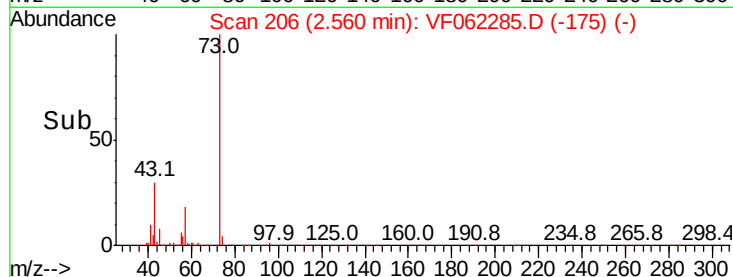
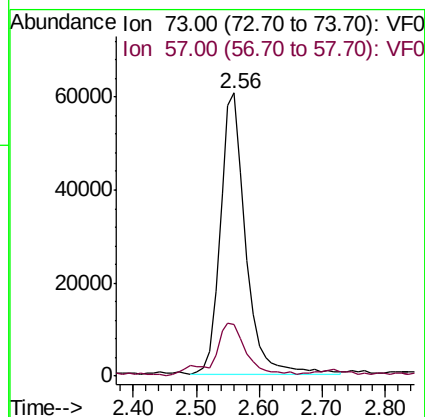
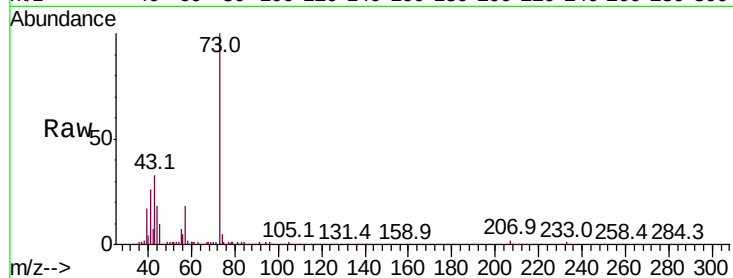




#19
Methyl tert-butyl Ether
Concen: 20.503 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

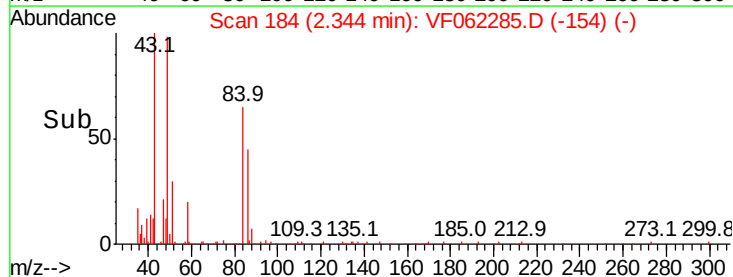
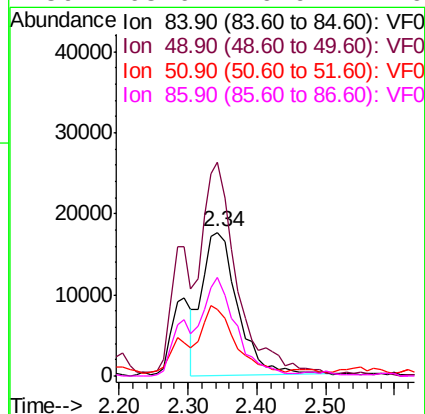
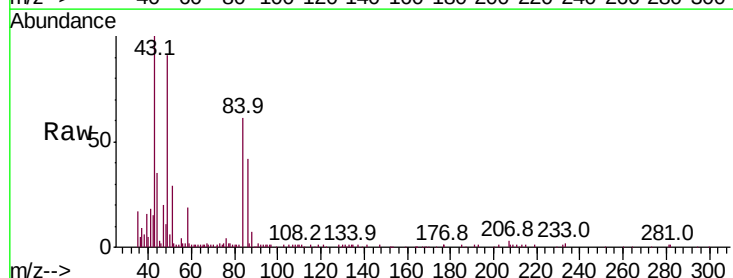
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

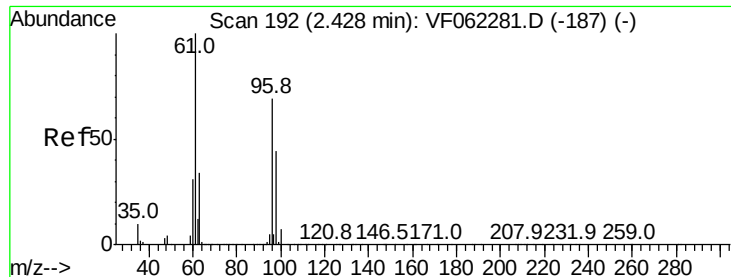
Tot Ion: 73 Resp: 168527
Ion Ratio Lower Upper
73 100
57 17.0 15.5 23.3



#20
Methylene Chloride
Concen: 10.995 ug/l
RT: 2.34 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion: 84 Resp: 63752
Ion Ratio Lower Upper
84 100
49 148.7 112.1 168.1
51 42.3 35.9 53.9
86 68.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.704 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

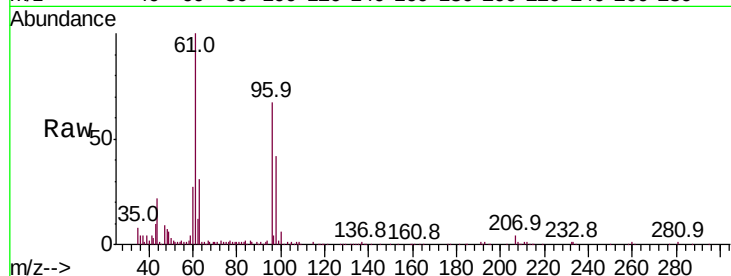
Tot Ion: 96 Resp: 84428

Ion Ratio Lower Upper

96 100

61 148.4 116.2 174.2

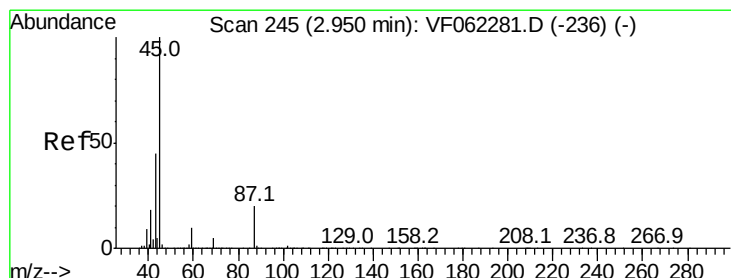
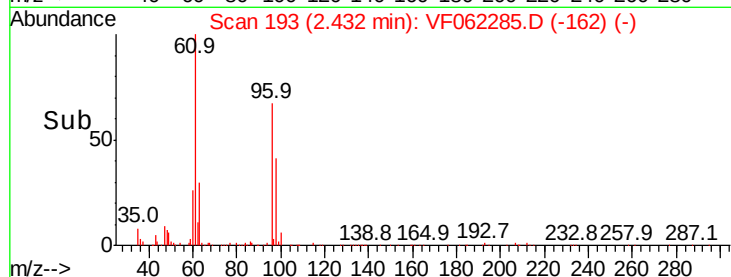
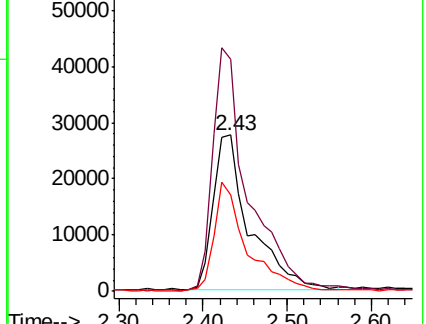
98 61.6 51.4 77.0



Abundance Ion 95.90 (95.60 to 96.60): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 97.90 (97.60 to 98.60): VF0



#22

Diisopropyl ether

Concen: 19.582 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion: 45 Resp: 250677

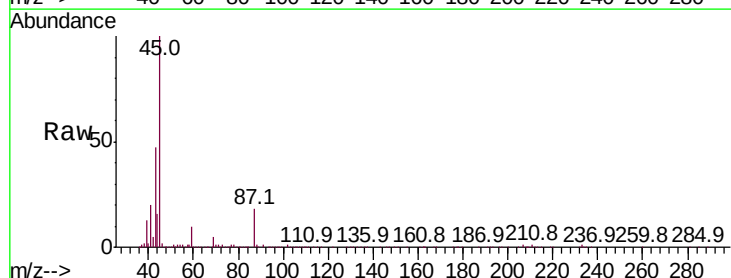
Ion Ratio Lower Upper

45 100

43 45.2 36.2 54.2

87 18.3 15.8 23.6

59 10.0 7.8 11.8

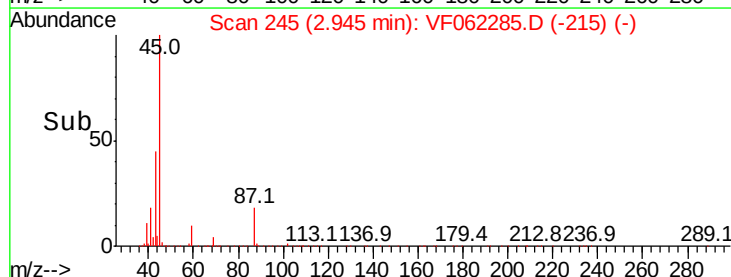
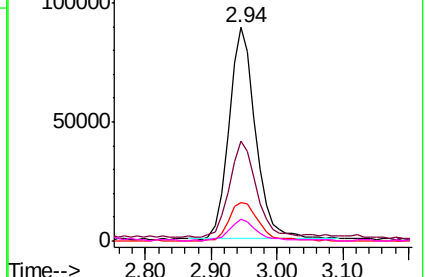


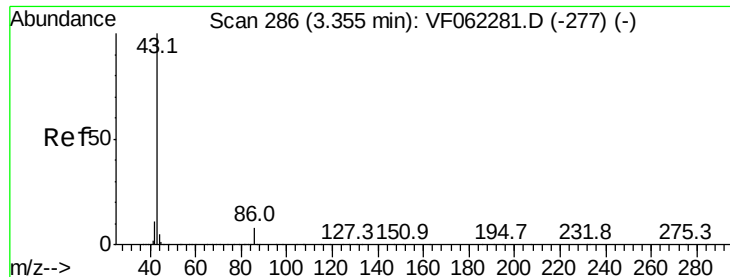
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 106.916 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

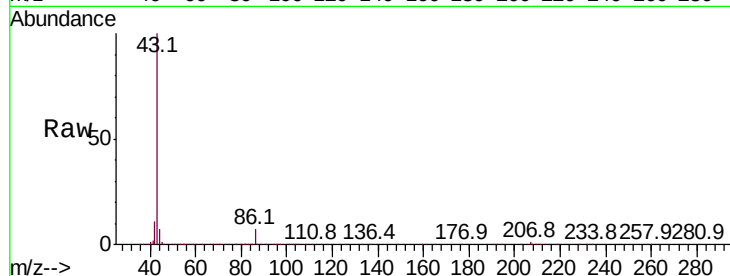
VSTDIC020

Tot Ion: 43 Resp: 592977

Ion Ratio Lower Upper

43 100

86 6.8 6.0 9.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

250000

200000

150000

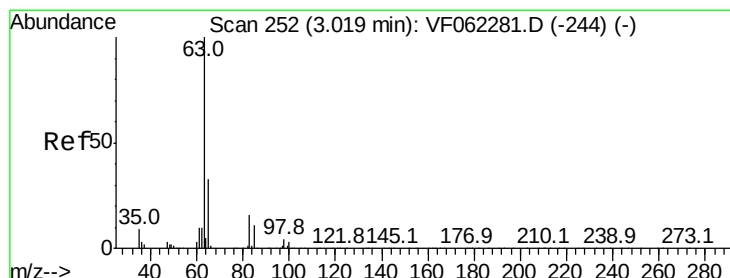
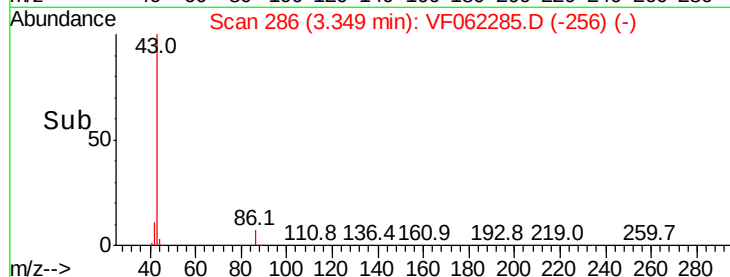
100000

50000

0

3.20 3.30 3.40 3.50 3.60

Time-->



#24

1,1-Dichloroethane

Concen: 19.907 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

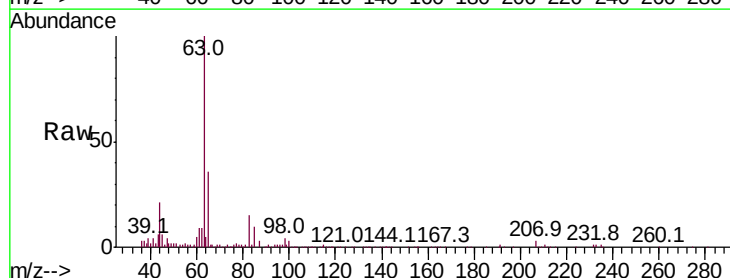
Tgt Ion: 63 Resp: 142963

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 3.0 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

60000

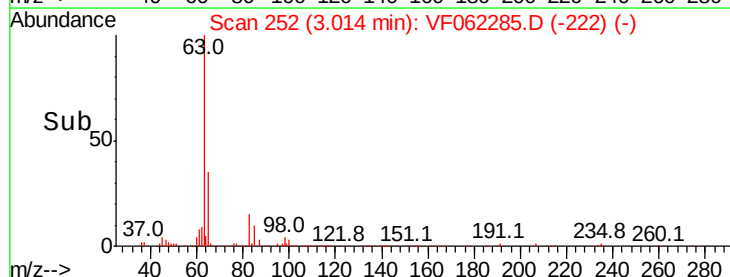
40000

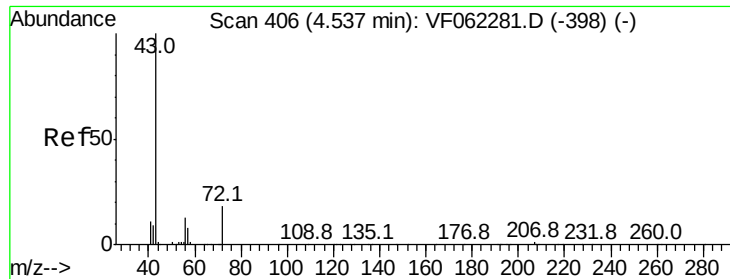
20000

0

2.80 3.00 3.20

Time-->

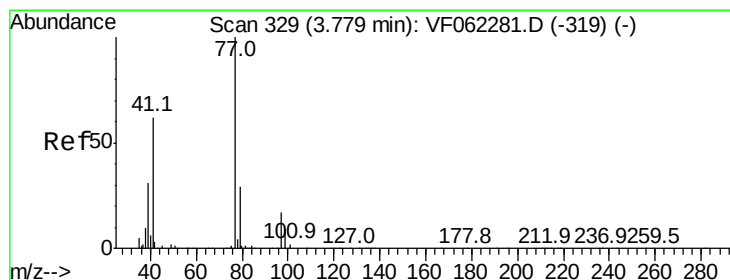
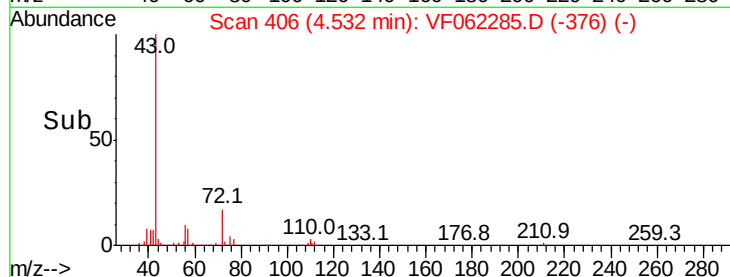
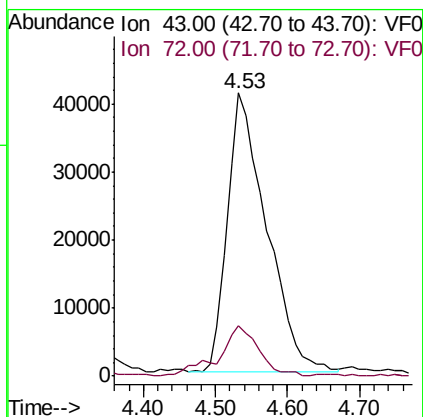
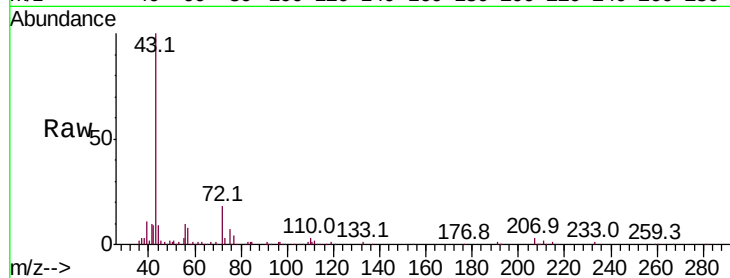




#25
2-Butanone
Concen: 105.961 ug/l
RT: 4.53 min Scan# 406
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

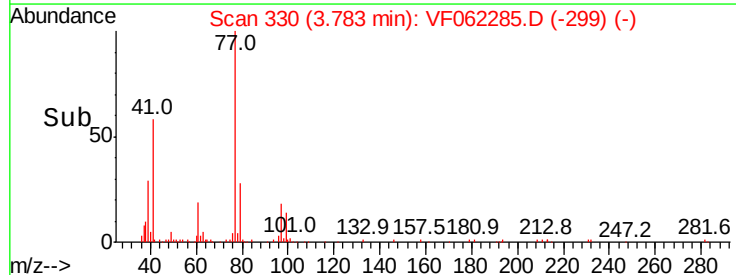
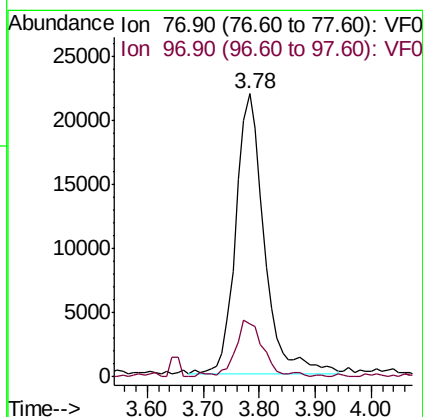
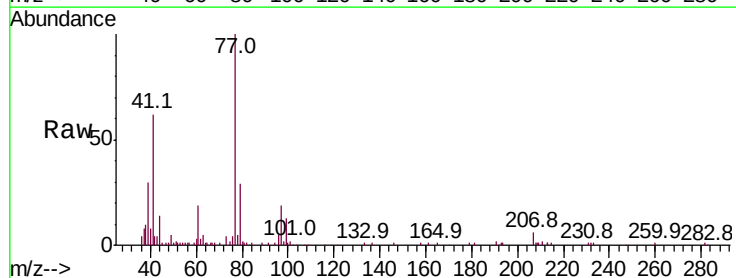
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

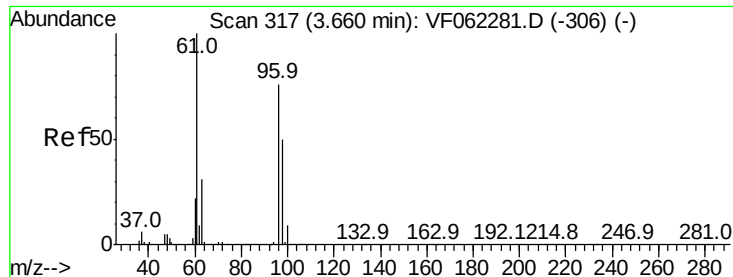
Tot Ion: 43 Resp: 153912
Ion Ratio Lower Upper
43 100
72 17.7 15.8 23.6



#26
2,2-Dichloropropane
Concen: 20.795 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion: 77 Resp: 77994
Ion Ratio Lower Upper
77 100
97 19.5 10.3 30.8



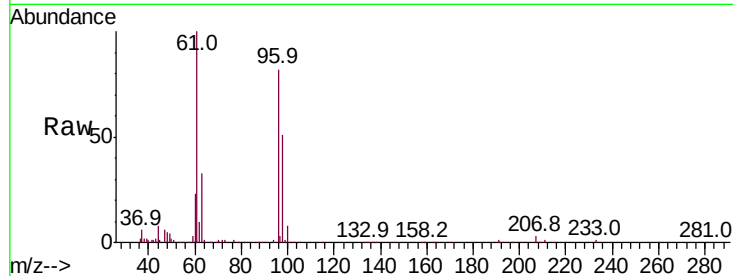


#27

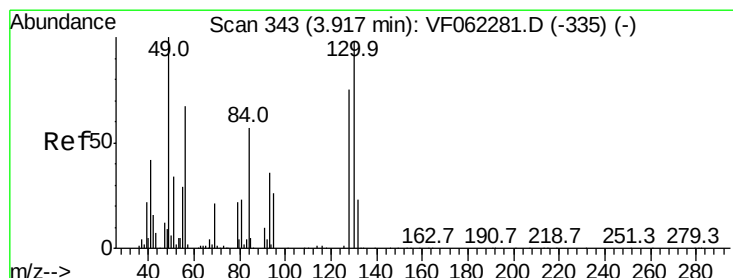
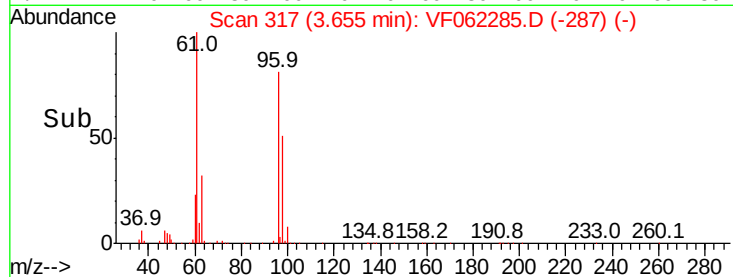
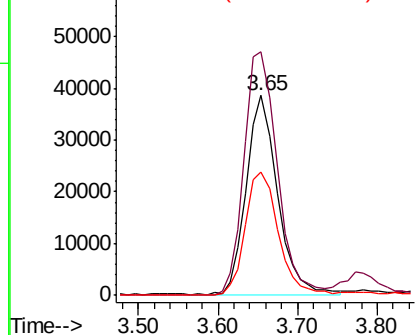
cis-1,2-Dichloroethene
Concen: 19.165 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 96 Resp: 105044
Ion Ratio Lower Upper
96 100
61 129.7 0.0 257.6
98 65.5 0.0 137.4



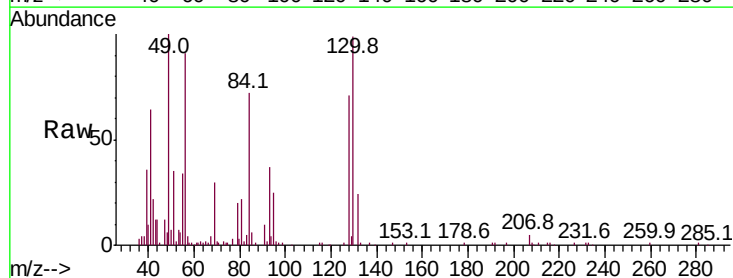
Abundance Ion 95.90 (95.60 to 96.60): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 97.90 (97.60 to 98.60): VF0



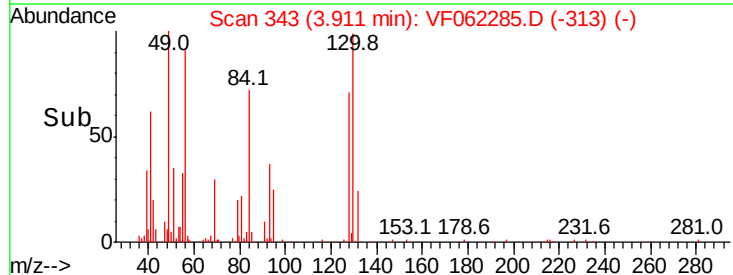
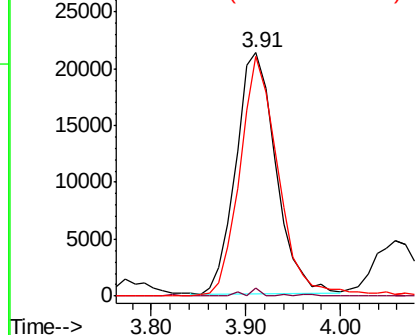
#28

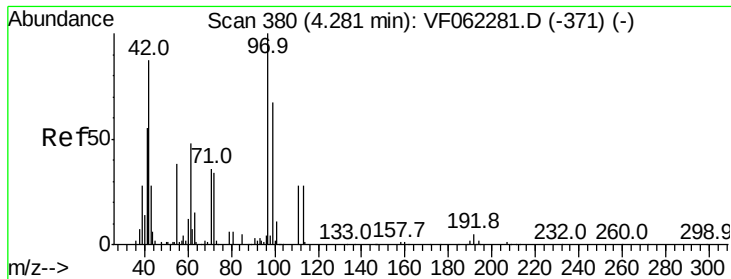
Bromochloromethane
Concen: 19.879 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion: 49 Resp: 62433
Ion Ratio Lower Upper
49 100
129 1.1 0.0 0.0#
130 96.4 77.0 115.4



Abundance Ion 48.90 (48.60 to 49.60): VF0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

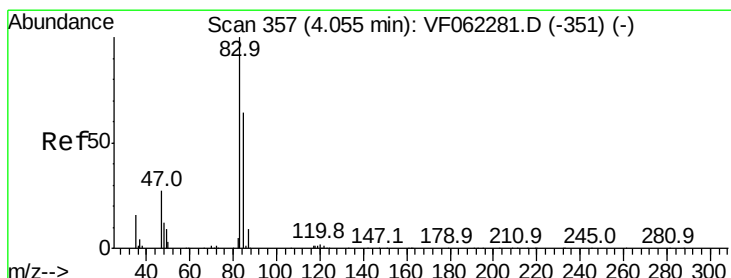
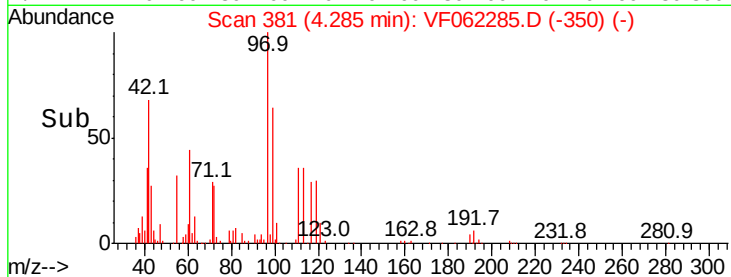
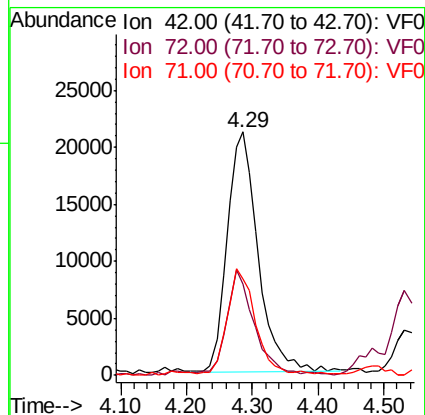
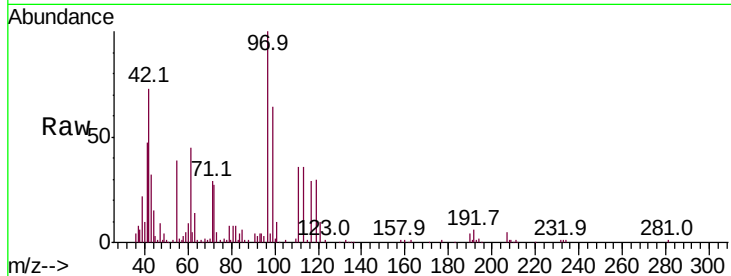




#29
Tetrahydrofuran
Concen: 108.656 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

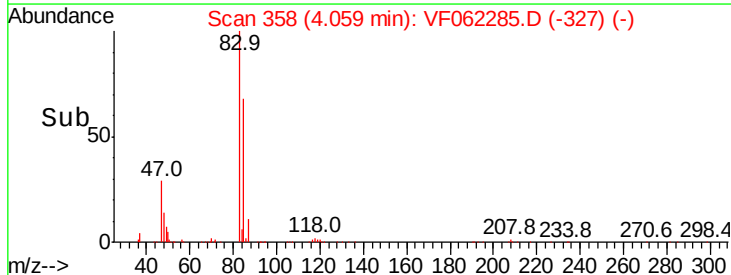
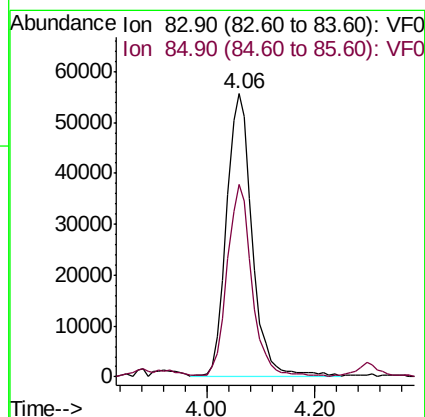
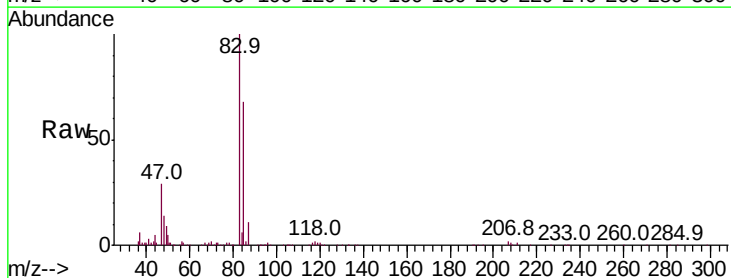
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

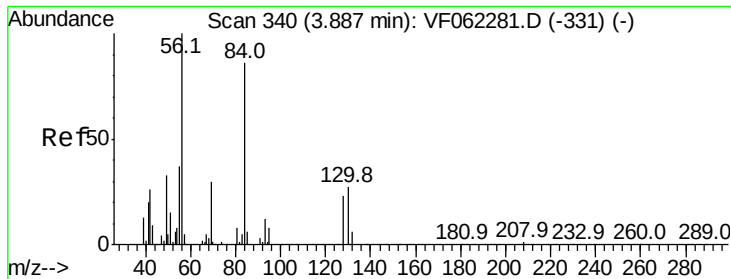
Tot Ion: 42 Resp: 68790
Ion Ratio Lower Upper
42 100
72 40.2 29.3 43.9
71 42.0 31.2 46.8



#30
Chloroform
Concen: 20.548 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion: 83 Resp: 184056
Ion Ratio Lower Upper
83 100
85 67.7 51.1 76.7

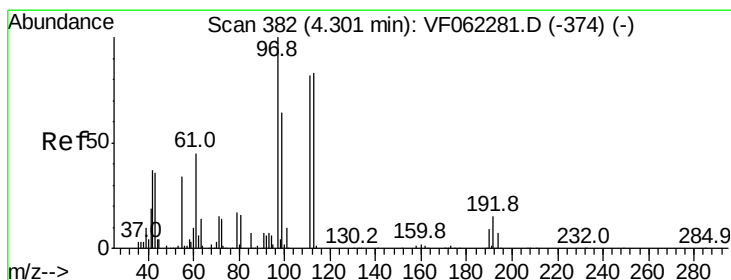
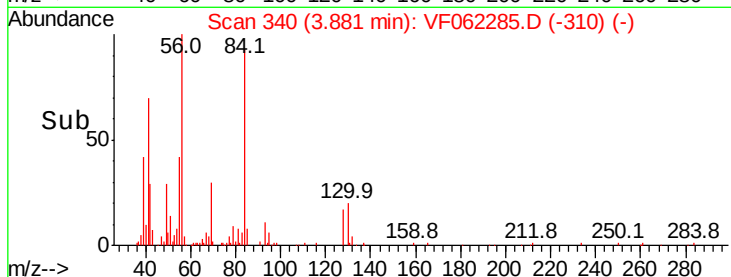
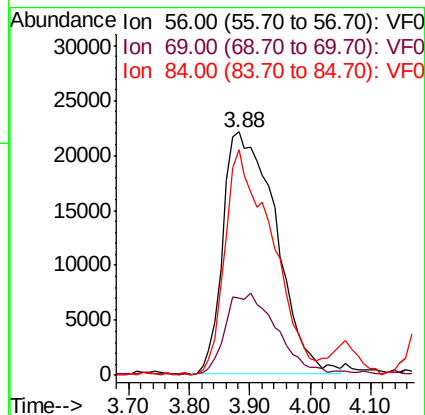
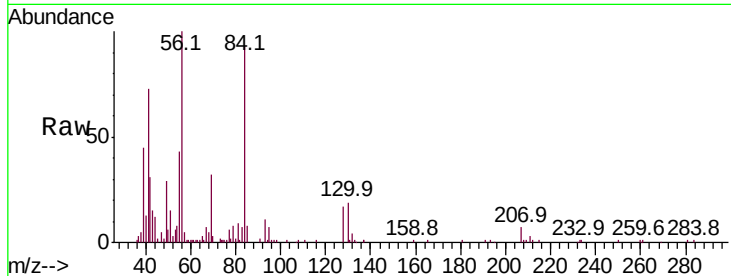




#31
Cyclohexane
Concen: 19.098 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

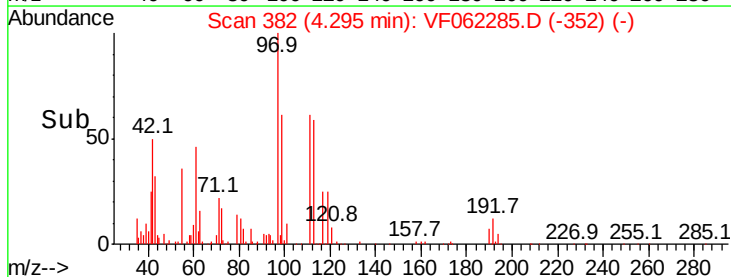
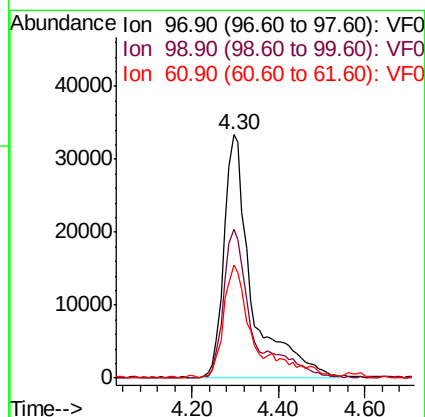
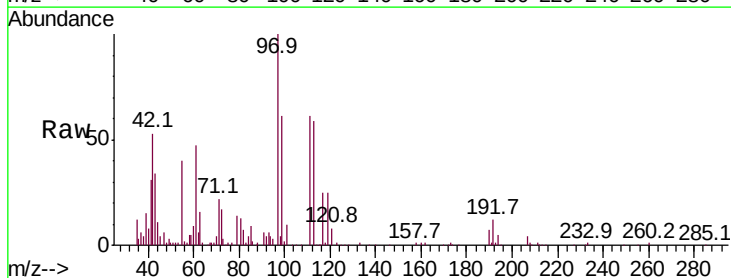
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

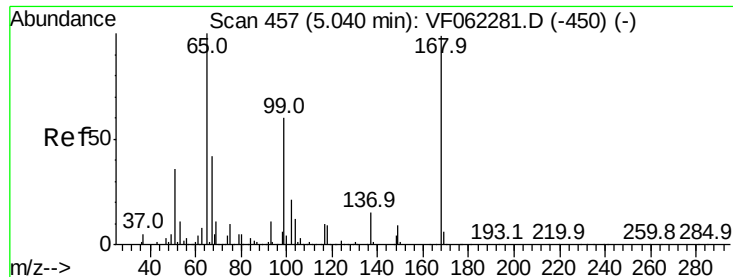
Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	24.3	36.5
84	93.5	68.5	102.7



#32
1,1,1-Trichloroethane
Concen: 22.642 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	41.6	62.4#
61	39.4	31.6	47.4

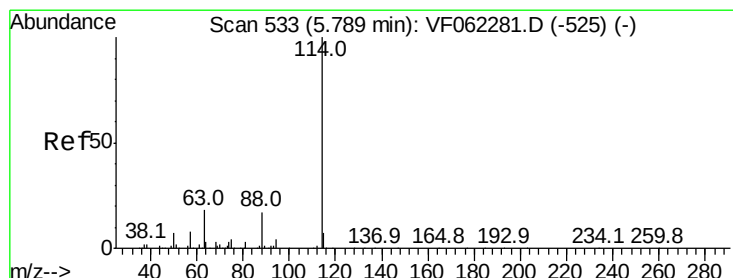
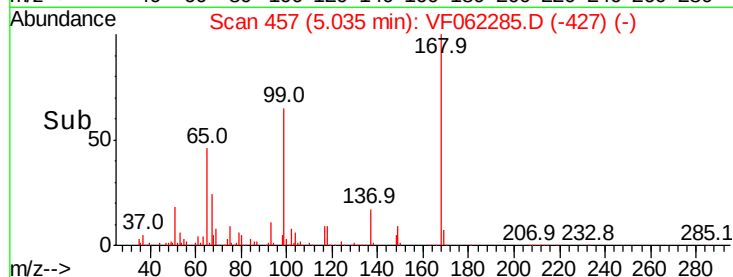
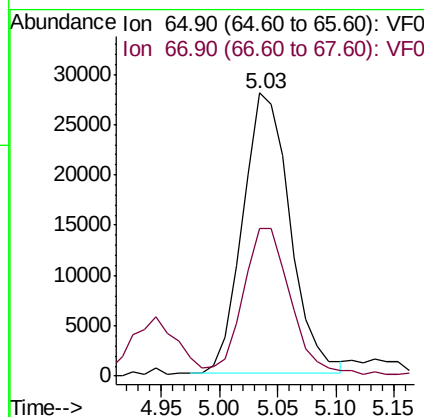
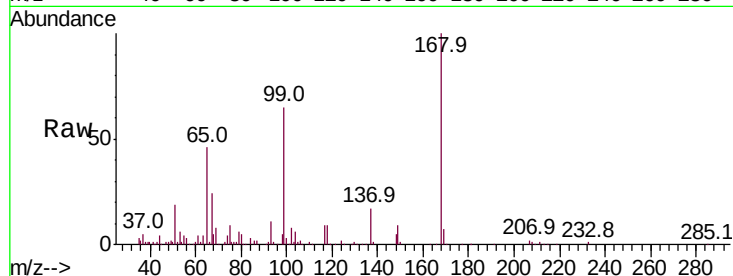




#33
 1,2-Dichloroethane-d4
 Concen: 19.185 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

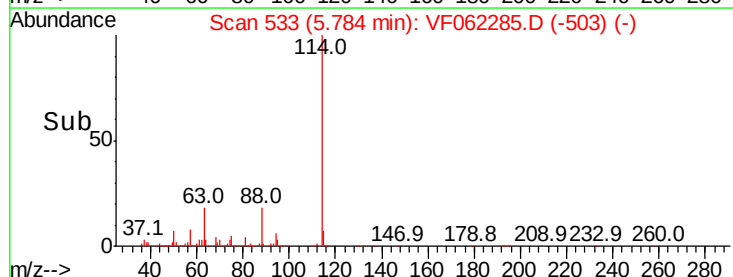
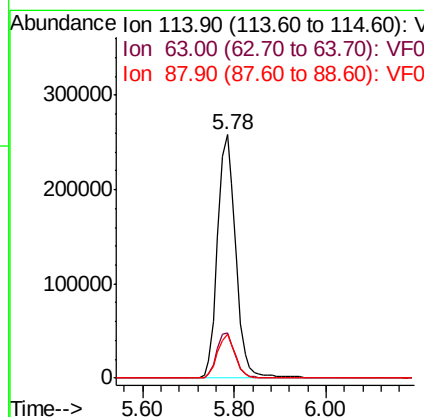
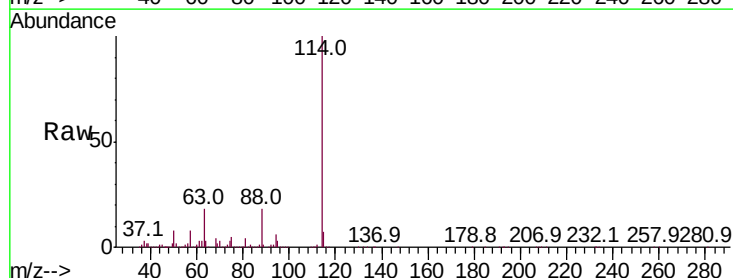
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

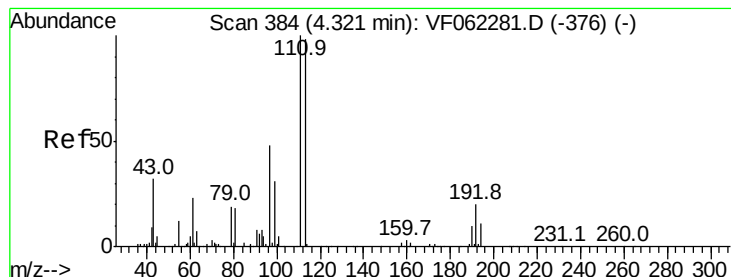
Tot Ion: 65 Resp: 78696
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 98.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion: 114 Resp: 701013
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 35.6
 88 18.0 0.0 34.6





#35

Dibromofluoromethane

Concen: 19.086 ug/l

RT: 4.31 min Scan# 384

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

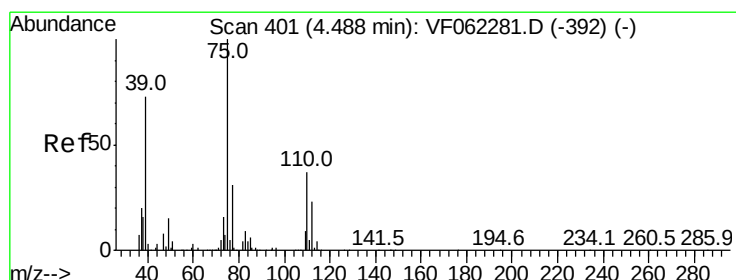
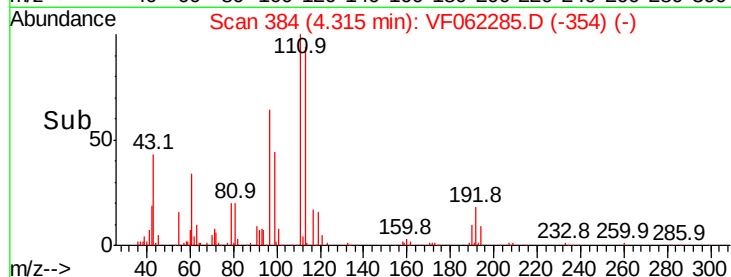
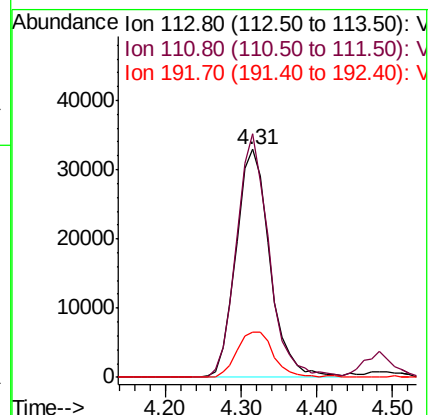
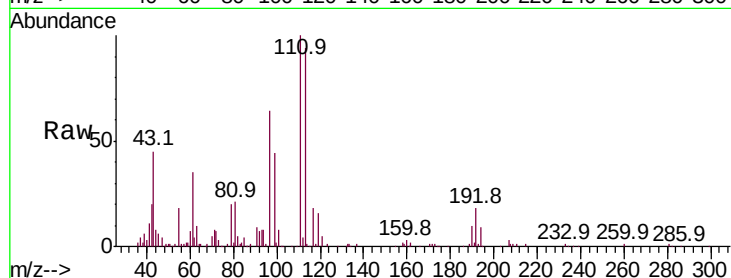
Tot Ion:113 Resp: 101827

Ion Ratio Lower Upper

113 100

111 102.8 81.4 122.2

192 21.5 17.0 25.4



#36

1,1-Dichloropropene

Concen: 19.578 ug/l

RT: 4.48 min Scan# 401

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

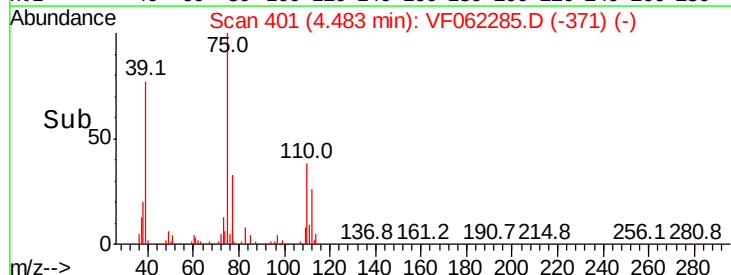
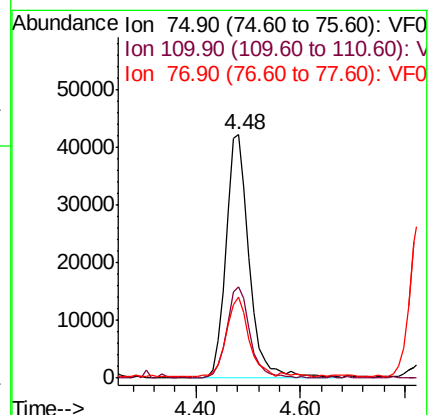
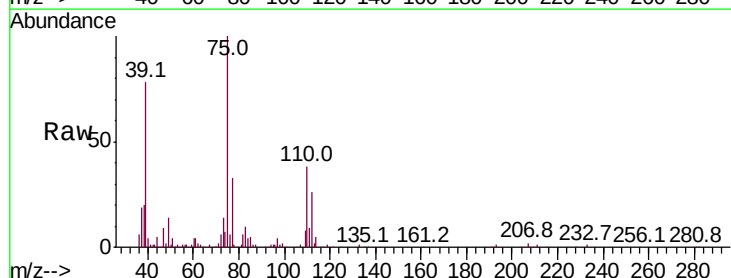
Tgt Ion: 75 Resp: 130354

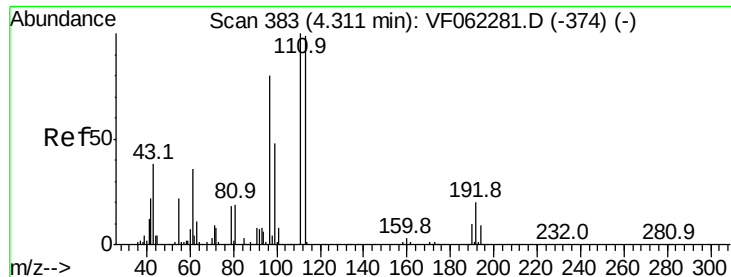
Ion Ratio Lower Upper

75 100

110 37.4 17.9 53.8

77 31.5 24.6 36.8





#37

Ethyl Acetate

Concen: 20.968 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

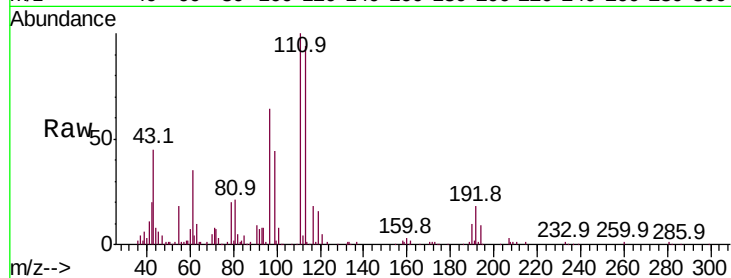
Tot Ion: 43 Resp: 57321

Ion Ratio Lower Upper

43 100

61 103.9 85.8 128.6

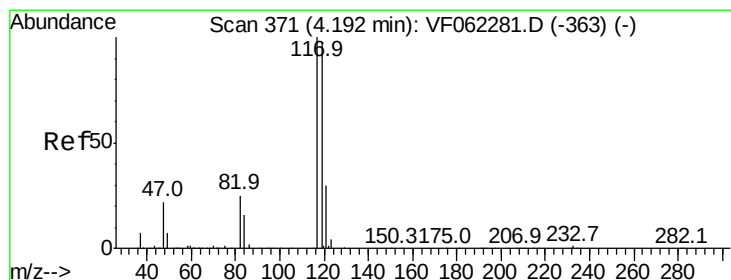
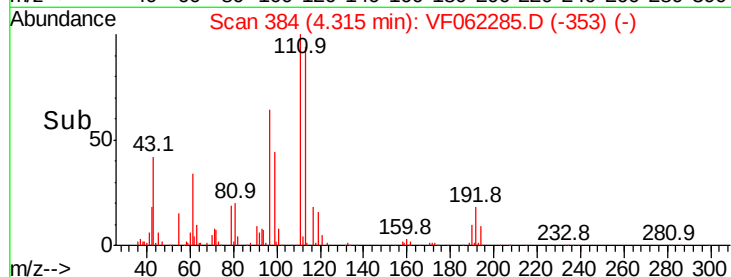
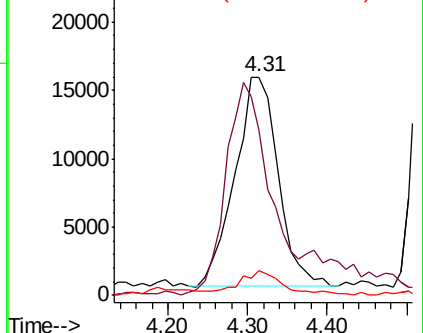
70 12.5 7.3 10.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 60.90 (60.60 to 61.60): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 26.433 ug/l

RT: 4.19 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

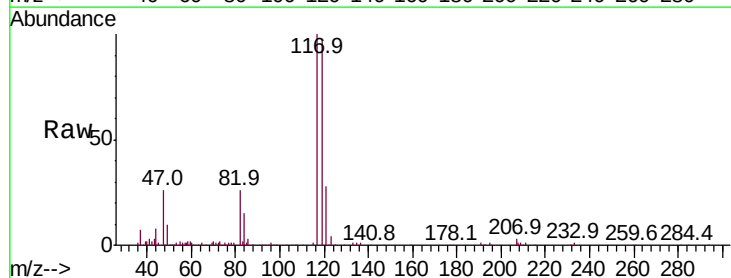
Tgt Ion: 117 Resp: 171960

Ion Ratio Lower Upper

117 100

119 96.0 77.3 115.9

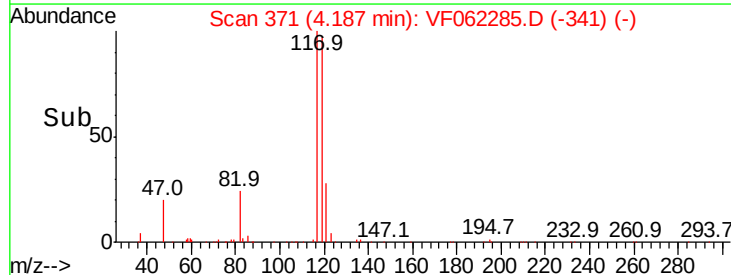
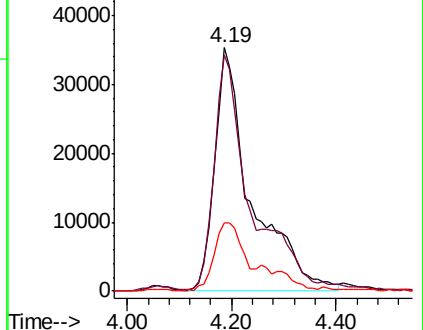
121 27.6 24.3 36.5

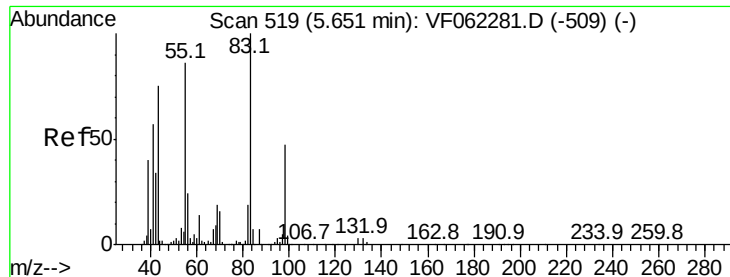


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

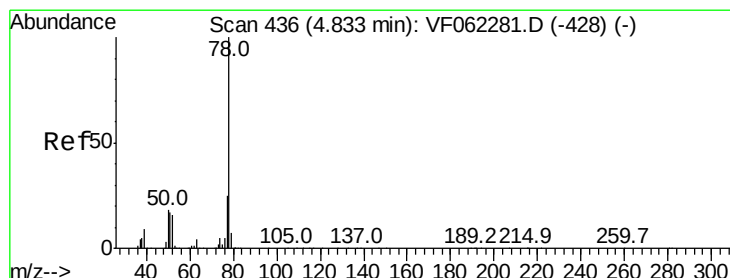
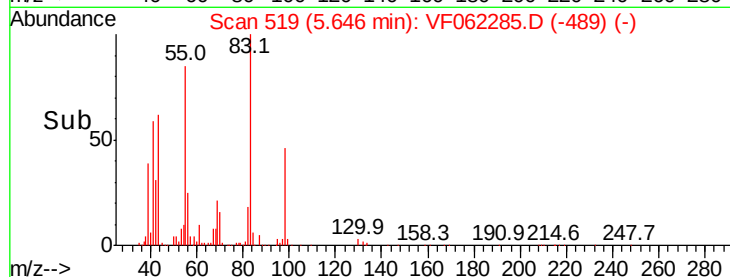
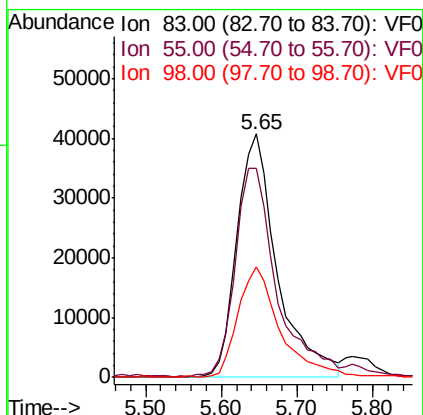
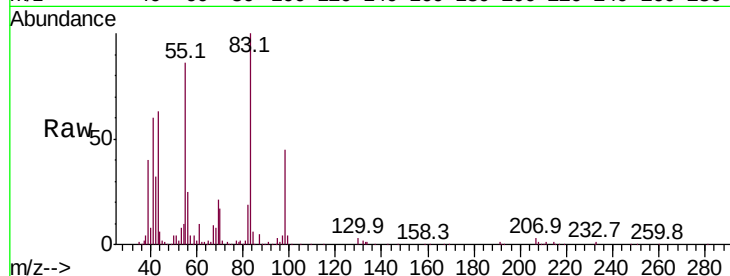




#39
Methylvlcyclohexane
Concen: 19.290 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

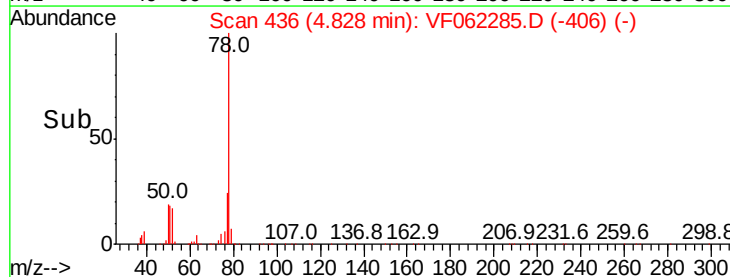
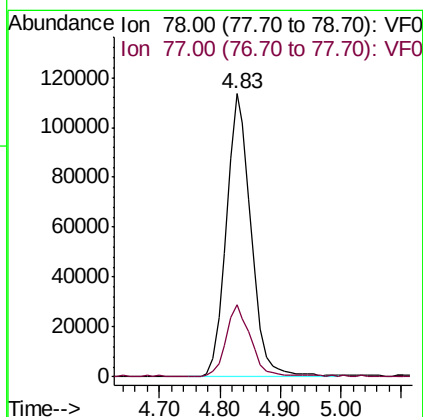
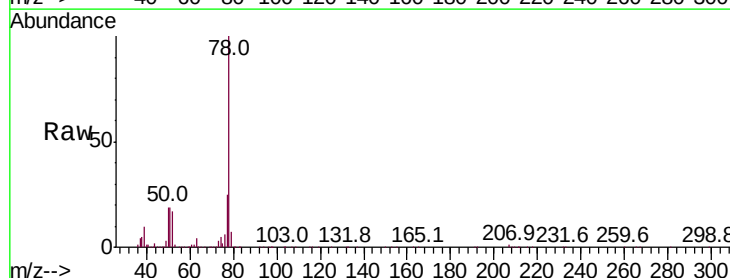
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

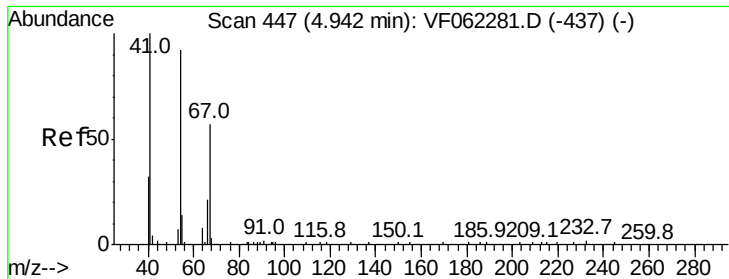
Tot Ion: 83 Resp: 151355
Ion Ratio Lower Upper
83 100
55 85.5 68.7 103.1
98 44.9 37.4 56.2



#40
Benzene
Concen: 19.903 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion: 78 Resp: 319632
Ion Ratio Lower Upper
78 100
77 25.0 19.7 29.5

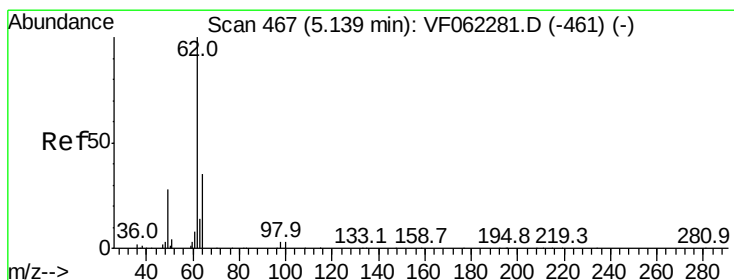
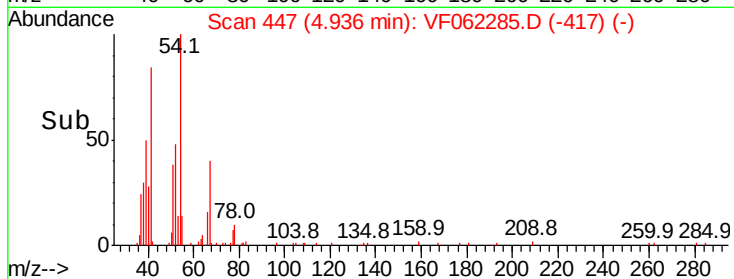
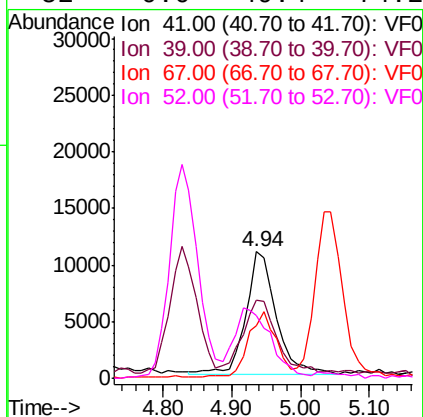
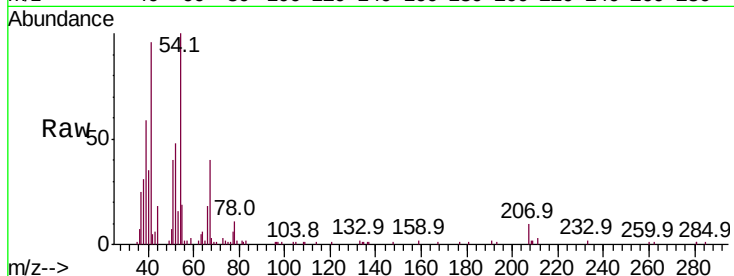




#41
Methacrylonitrile
Concen: 21.414 ug/l
RT: 4.94 min Scan# 447
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

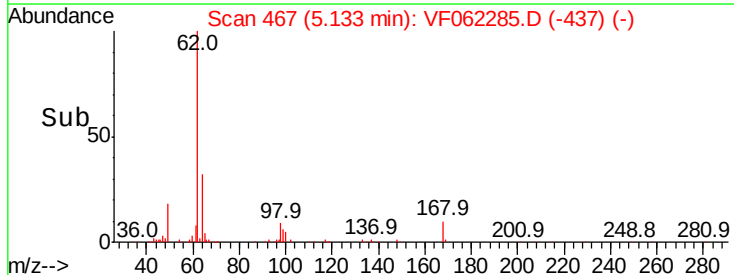
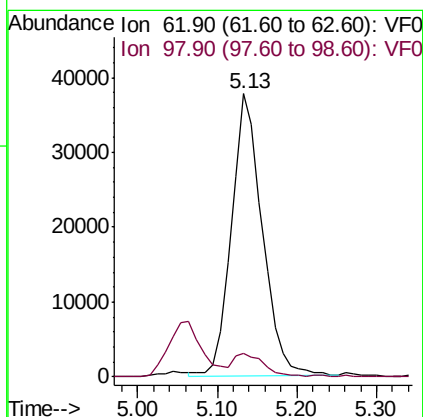
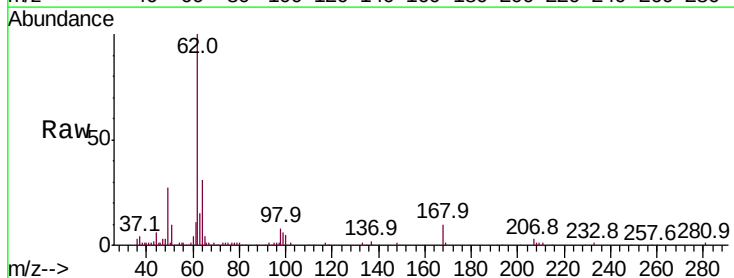
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

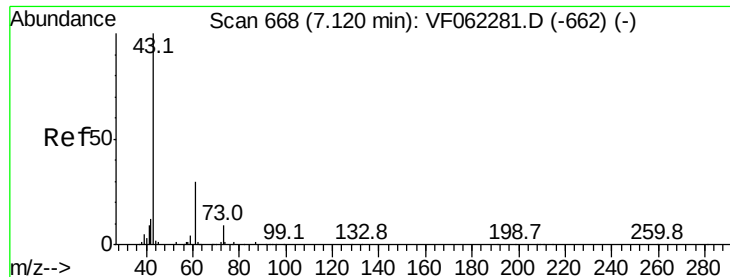
Tot Ion:	41	Resp:	32699
Ion	Ratio	Lower	Upper
41	100		
39	63.4	47.3	70.9
67	48.9	41.3	61.9
52	0.0	49.4	74.2#



#42
1,2-Dichloroethane
Concen: 20.640 ug/l
RT: 5.13 min Scan# 467
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion:	62	Resp:	101791
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.8





#43

Isopropyl Acetate

Concen: 21.356 ug/l

RT: 7.12 min Scan# 669

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

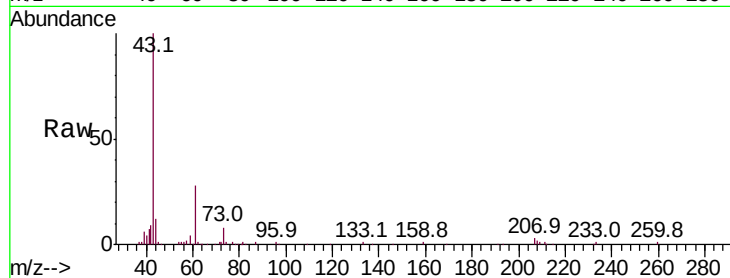
Tot Ion: 43 Resp: 61578

Ion Ratio Lower Upper

43 100

61 28.7 23.8 35.6

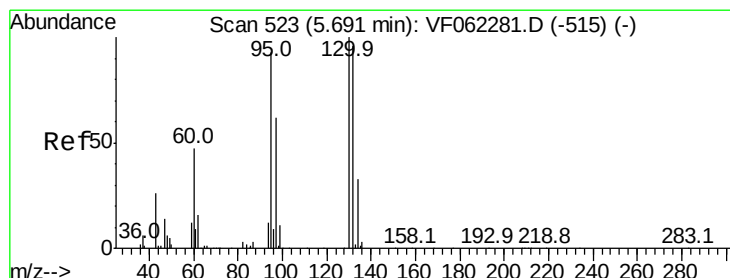
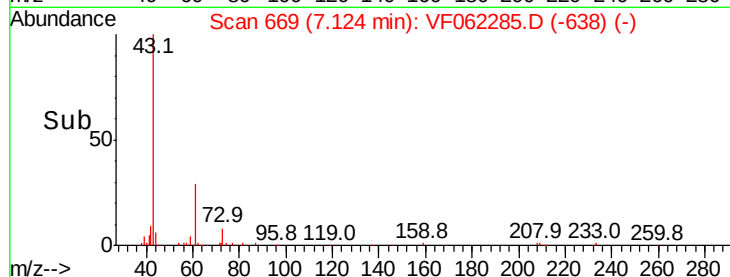
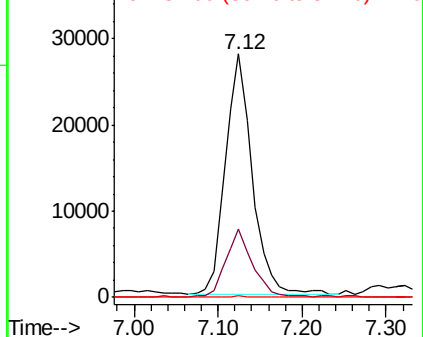
87 0.2 0.5 0.7#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 20.786 ug/l

RT: 5.69 min Scan# 523

Delta R.T. -0.01 min

Lab File: VF062285.D

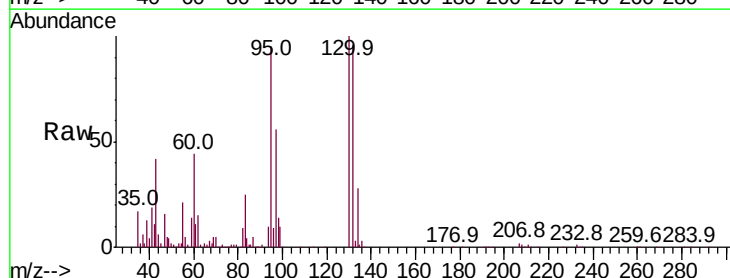
Acq: 24 Apr 2019 17:14

Tgt Ion:130 Resp: 112898

Ion Ratio Lower Upper

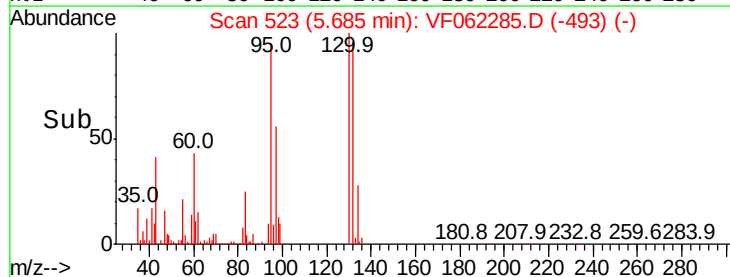
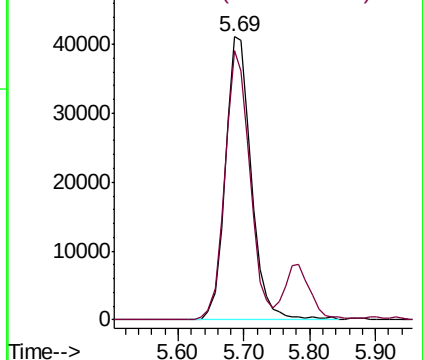
130 100

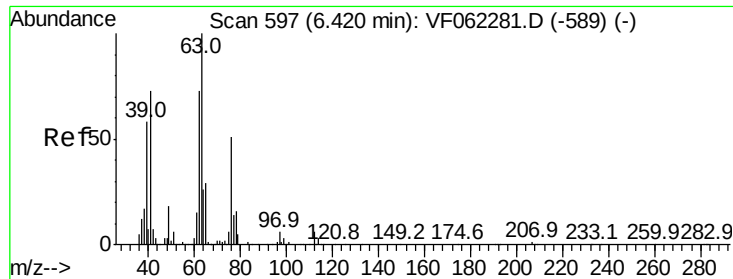
95 94.9 0.0 186.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 20.855 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

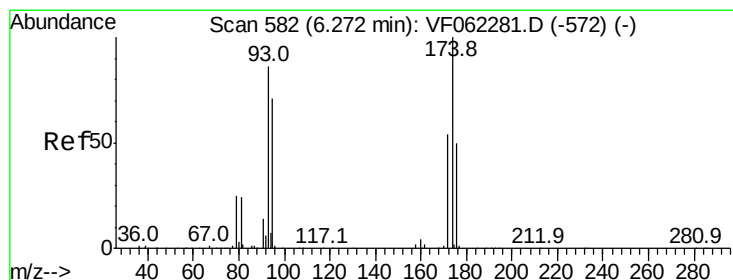
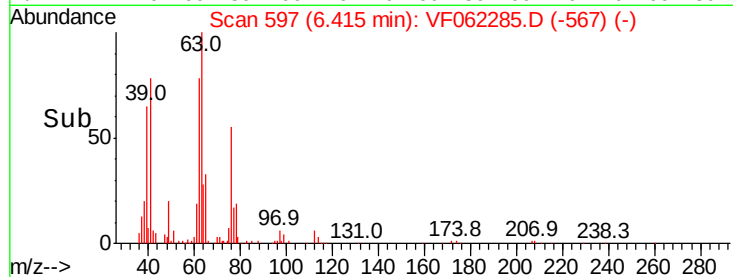
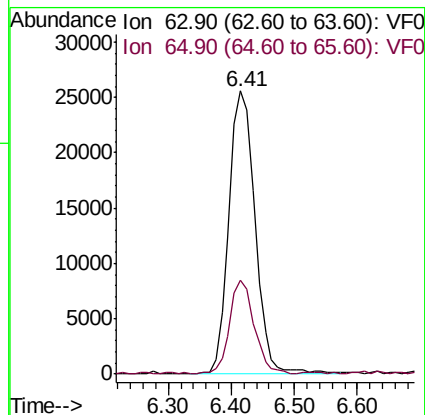
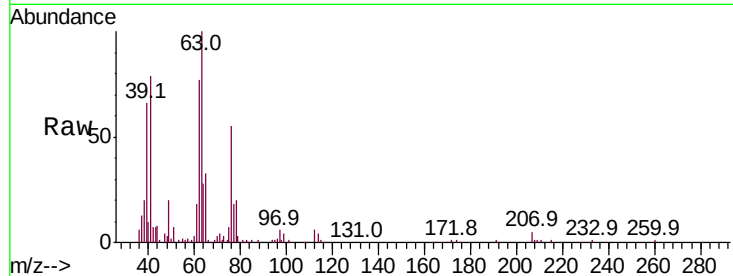
VSTDIC020

Tot Ion: 63 Resp: 73776

Ion Ratio Lower Upper

63 100

65 33.2 23.5 35.3



#46

Dibromomethane

Concen: 20.314 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

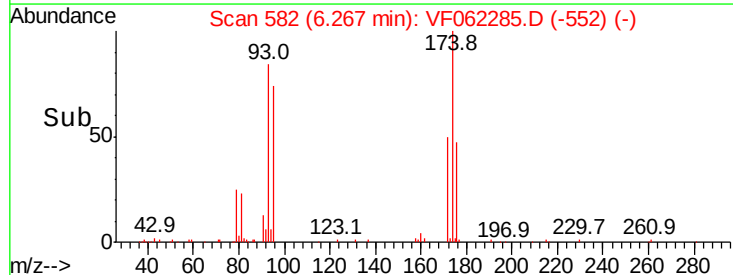
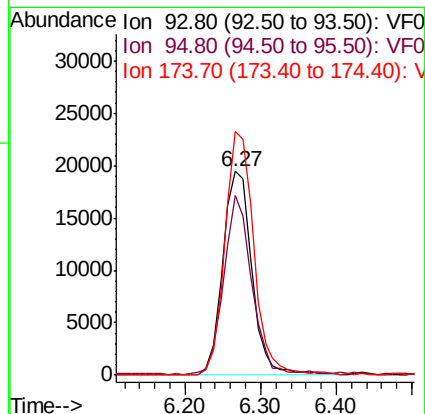
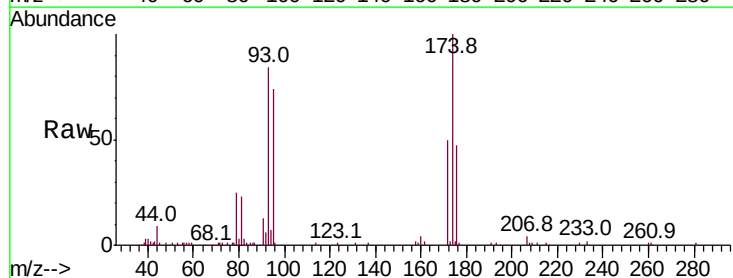
Tgt Ion: 93 Resp: 52054

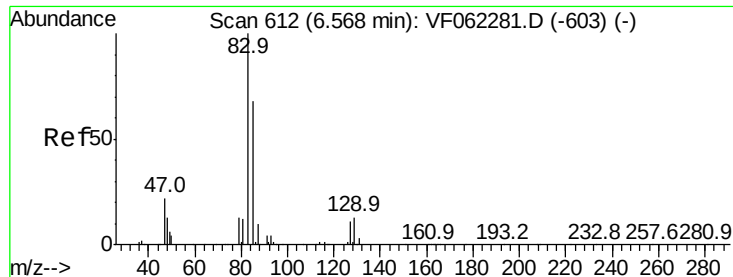
Ion Ratio Lower Upper

93 100

95 85.9 66.2 99.4

174 117.5 94.9 142.3





#47

Bromodichloromethane

Concen: 20.079 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

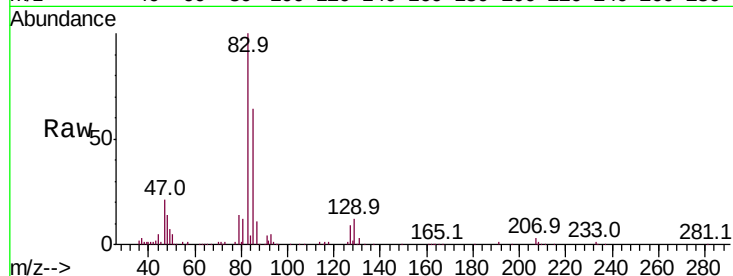
Tot Ion: 83 Resp: 121131

Ion Ratio Lower Upper

83 100

85 64.1 54.6 81.8

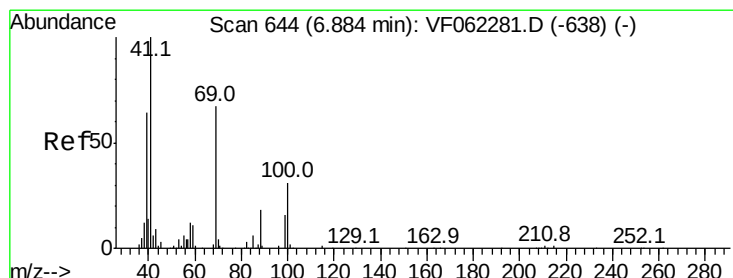
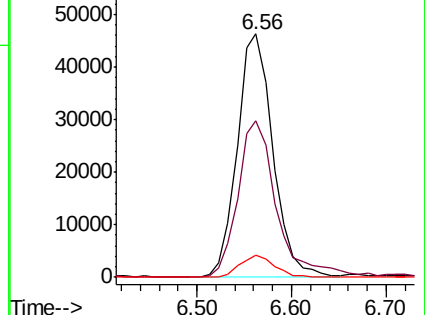
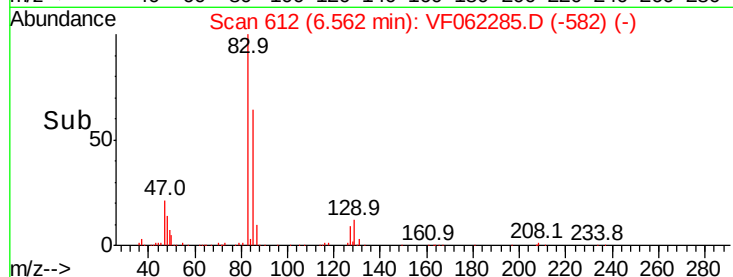
127 8.9 8.7 13.1



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 84.90 (84.60 to 85.60): VF0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 20.366 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

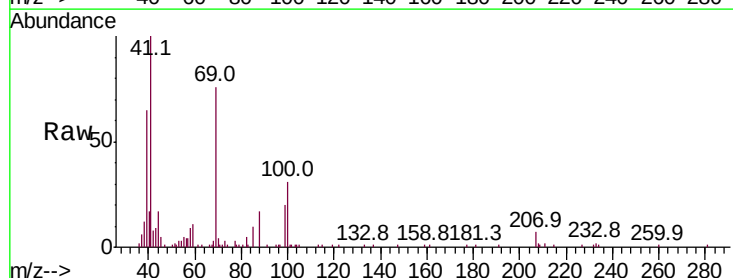
Tgt Ion: 41 Resp: 40293

Ion Ratio Lower Upper

41 100

69 70.2 53.4 80.2

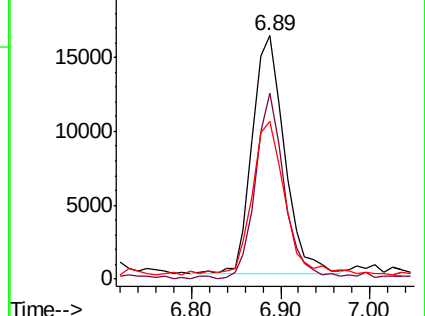
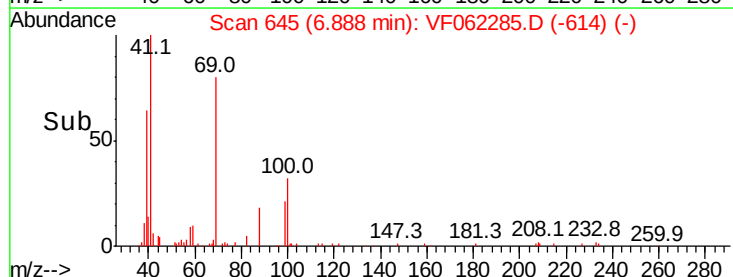
39 67.7 50.9 76.3

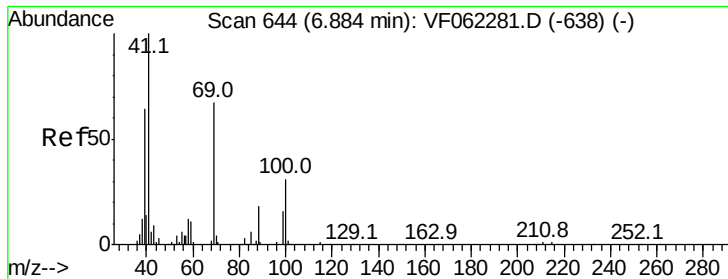


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 438.183 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

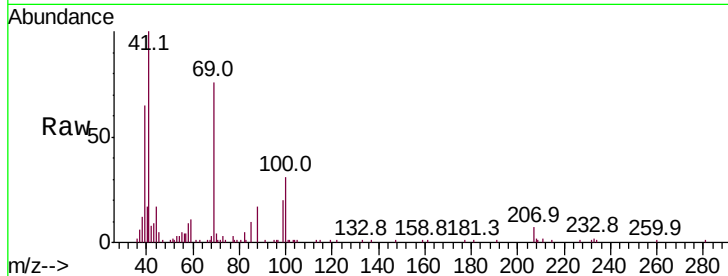
Tot Ion: 88 Resp: 9922

Ion Ratio Lower Upper

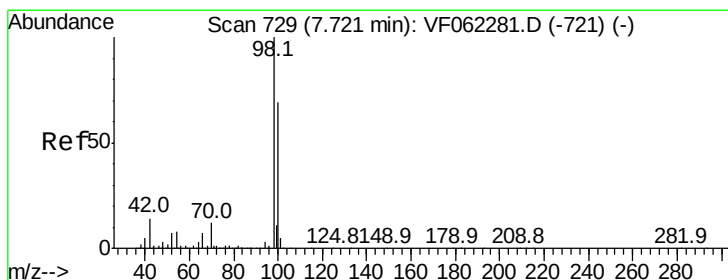
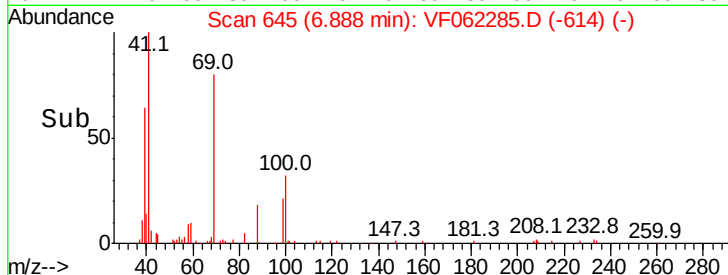
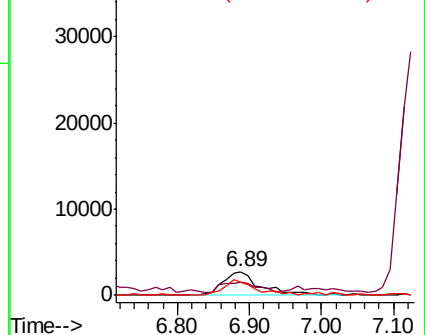
88 100

43 38.4 34.2 51.4

58 55.4 50.7 76.1



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 19.816 ug/l

RT: 7.72 min Scan# 729

Delta R.T. -0.01 min

Lab File: VF062285.D

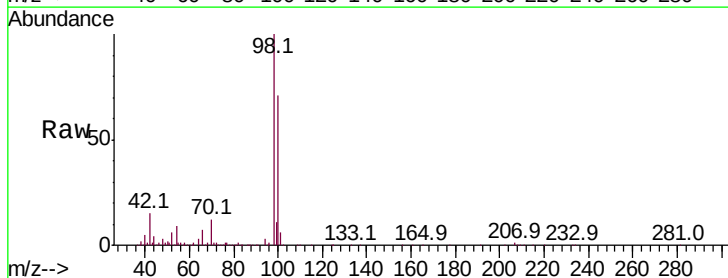
Acq: 24 Apr 2019 17:14

Tgt Ion: 98 Resp: 252448

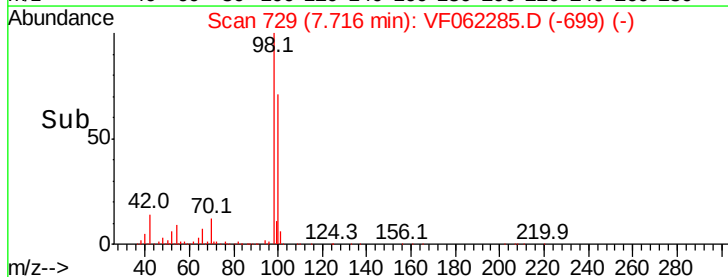
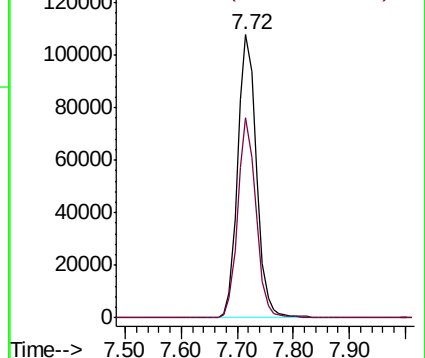
Ion Ratio Lower Upper

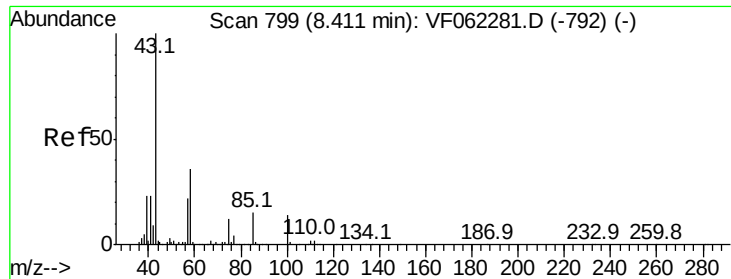
98 100

100 68.0 54.4 81.6



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 99.831 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

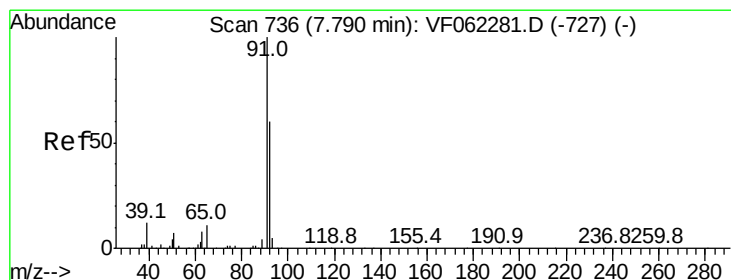
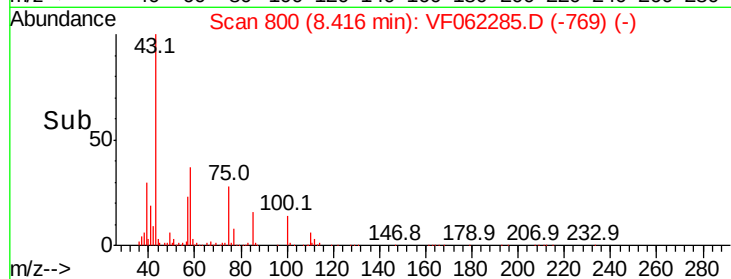
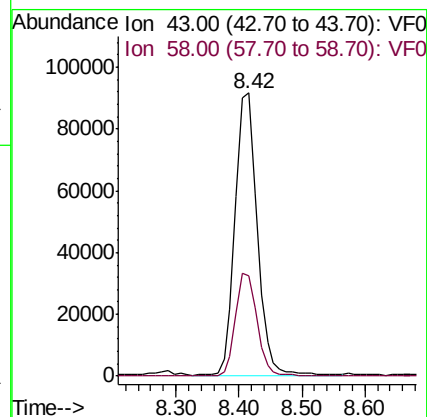
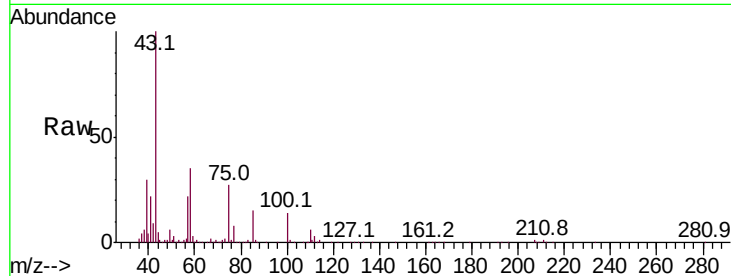
VSTDIC020

Tot Ion: 43 Resp: 220245

Ion Ratio Lower Upper

43 100

58 35.6 29.1 43.7



#52

Toluene

Concen: 20.176 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF062285.D

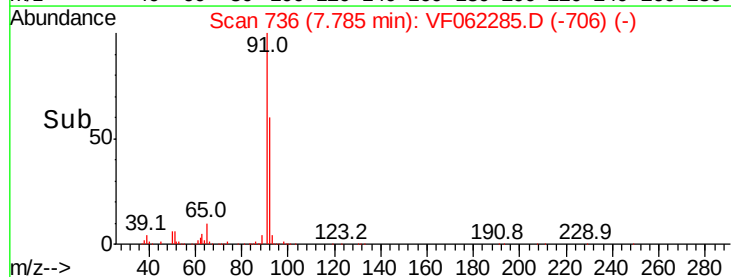
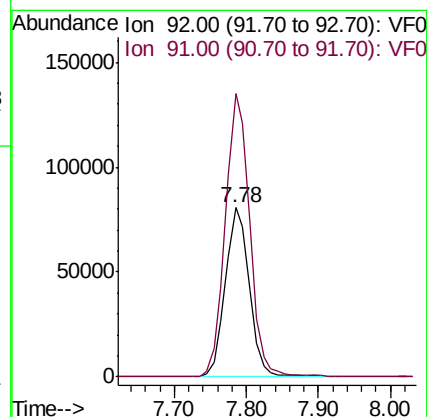
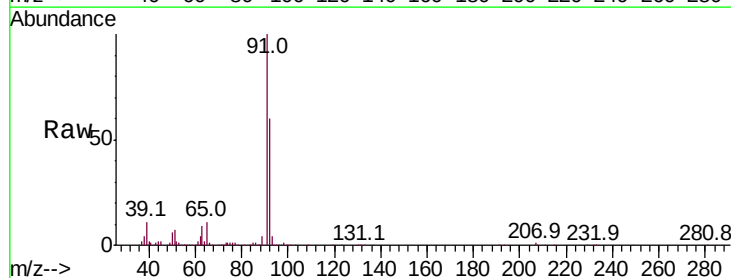
Acq: 24 Apr 2019 17:14

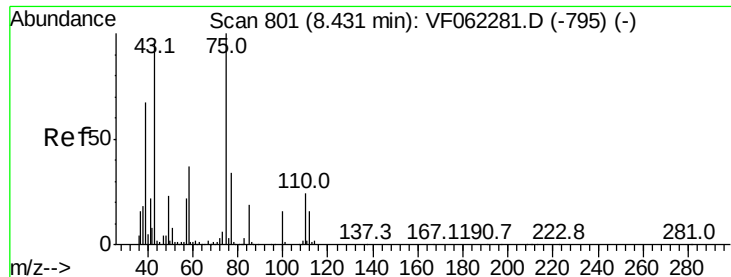
Tgt Ion: 92 Resp: 185836

Ion Ratio Lower Upper

92 100

91 171.3 132.5 198.7





#53

t-1,3-Dichloropropene

Concen: 21.747 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

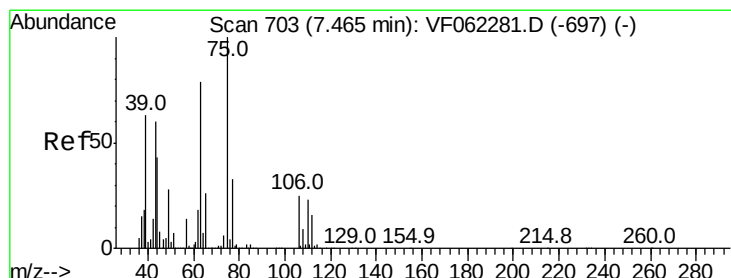
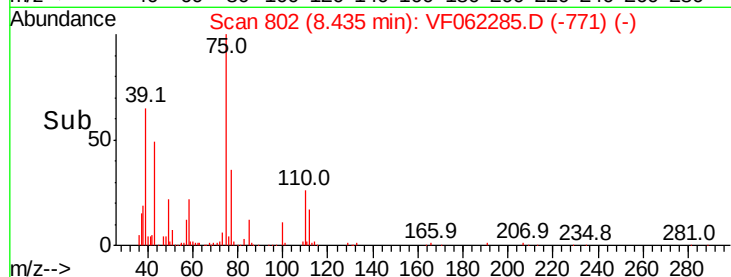
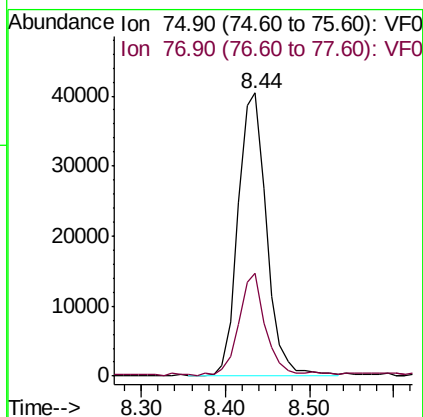
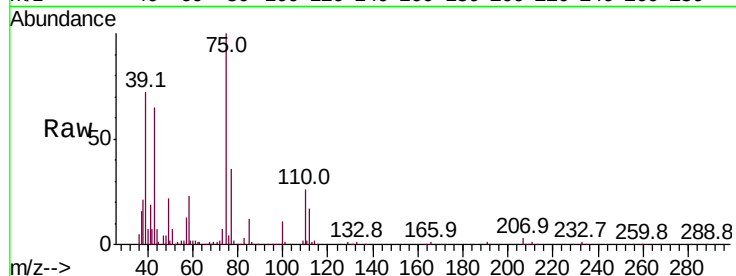
VSTDIC020

Tot Ion: 75 Resp: 95543

Ion Ratio Lower Upper

75 100

77 35.6 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 20.718 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

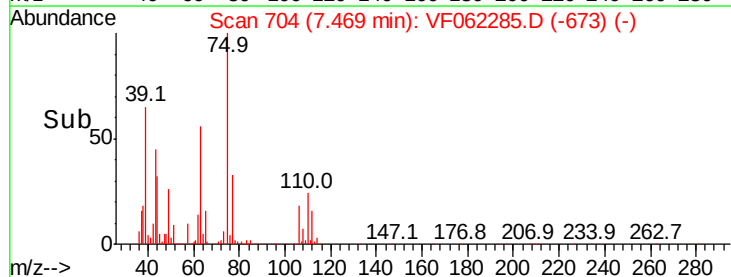
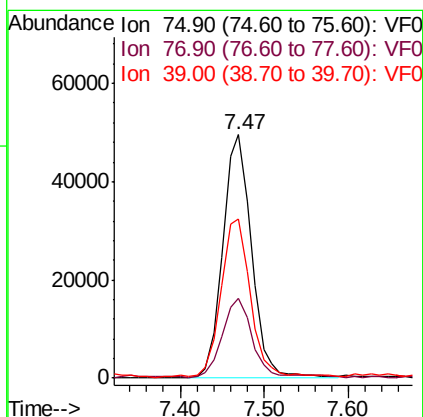
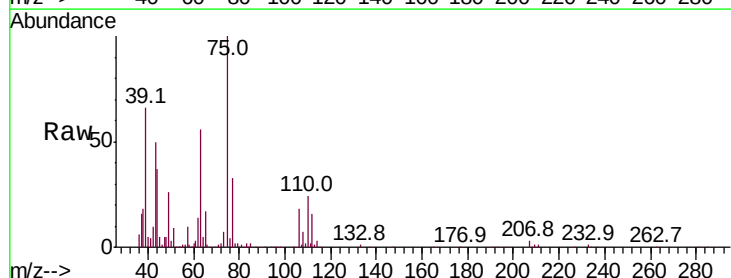
Tgt Ion: 75 Resp: 118193

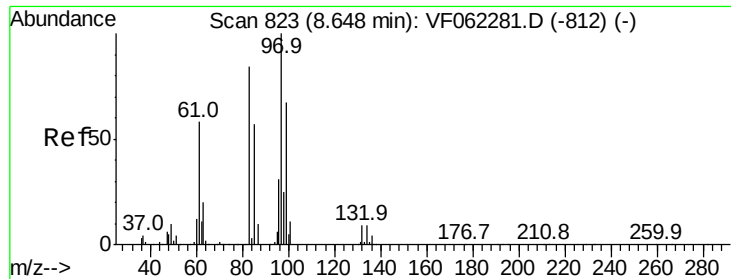
Ion Ratio Lower Upper

75 100

77 32.6 26.5 39.7

39 64.9 50.2 75.2

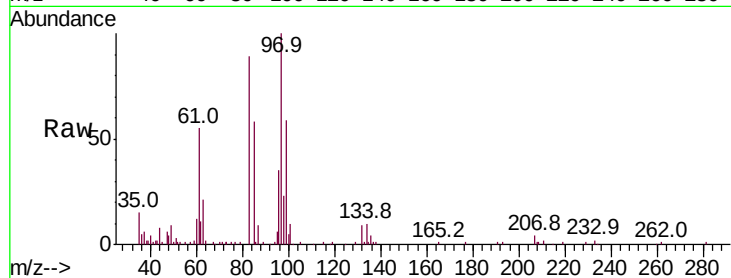




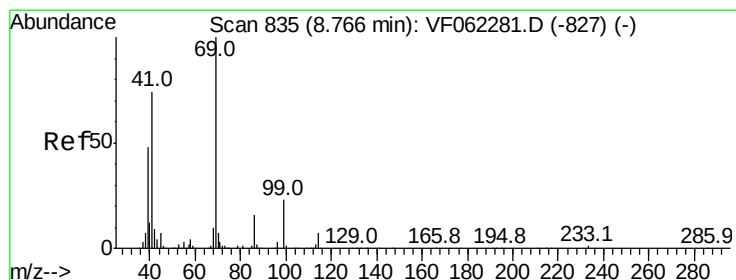
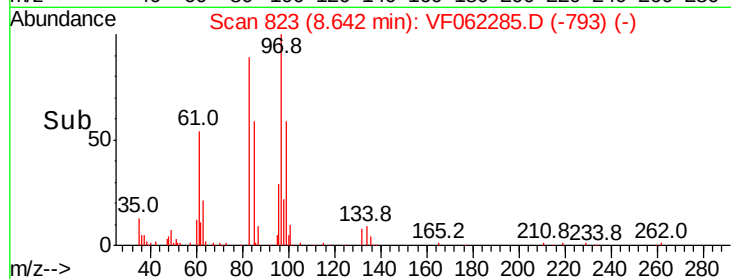
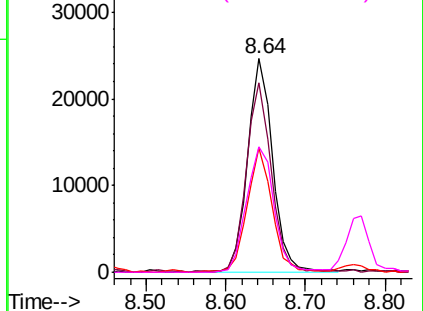
#55
 1,1,2-Trichloroethane
 Concen: 21.136 ug/l
 RT: 8.64 min Scan# 823
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion:	97	Resp:	53208
Ion	Ratio	Lower	Upper
97	100		
83	88.9	67.5	101.3
85	58.3	45.3	67.9
99	58.6	53.4	80.0

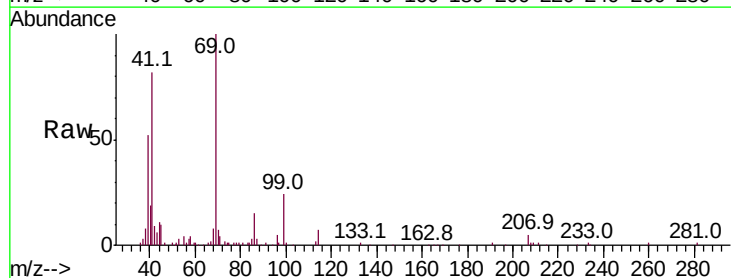


Abundance Ion 96.90 (96.60 to 97.60): VF0
 Ion 82.90 (82.60 to 83.60): VF0
 Ion 84.90 (84.60 to 85.60): VF0
 Ion 98.90 (98.60 to 99.60): VF0

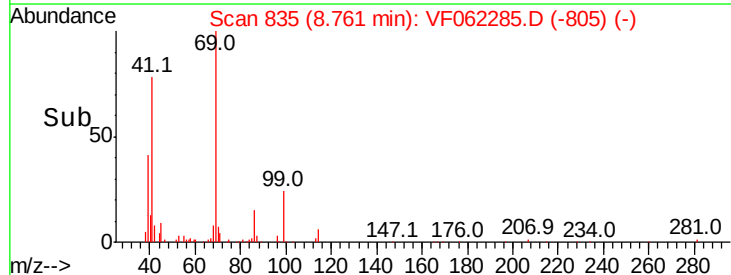
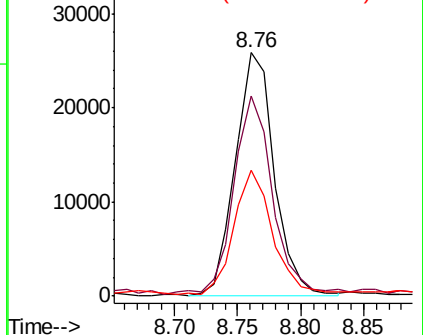


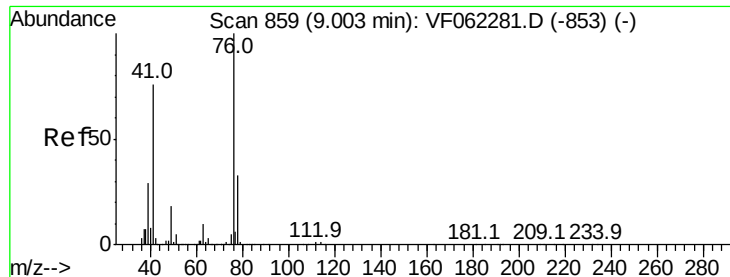
#56
 Ethyl methacrylate
 Concen: 19.705 ug/l
 RT: 8.76 min Scan# 835
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion:	69	Resp:	55456
Ion	Ratio	Lower	Upper
69	100		
41	80.6	61.5	92.3
39	50.0	37.9	56.9



Abundance Ion 69.00 (68.70 to 69.70): VF0
 Ion 41.00 (40.70 to 41.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 21.720 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

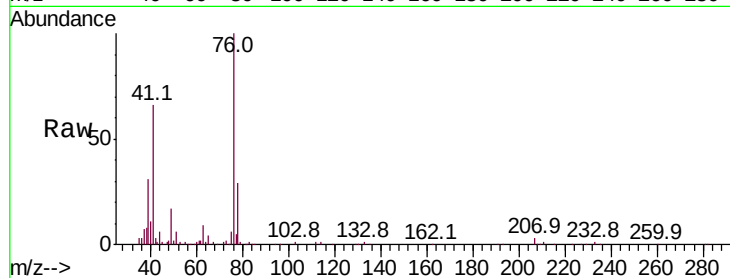
VSTDIC020

Tot Ion: 76 Resp: 85991

Ion Ratio Lower Upper

76 100

78 33.0 27.0 40.6



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

9.01

40000

30000

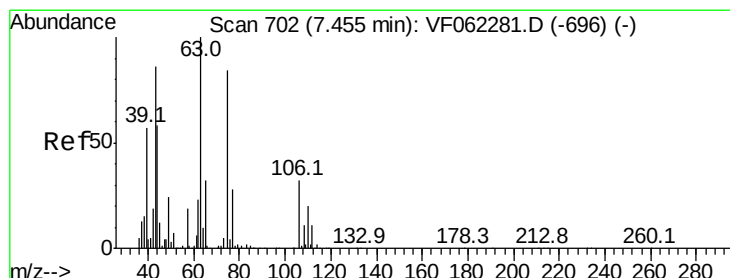
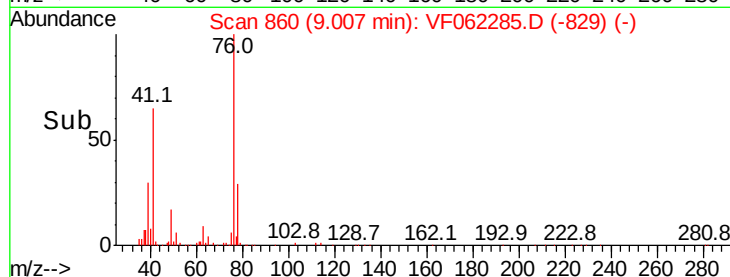
20000

10000

0

8.80 9.00 9.20

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 107.911 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.00 min

Lab File: VF062285.D

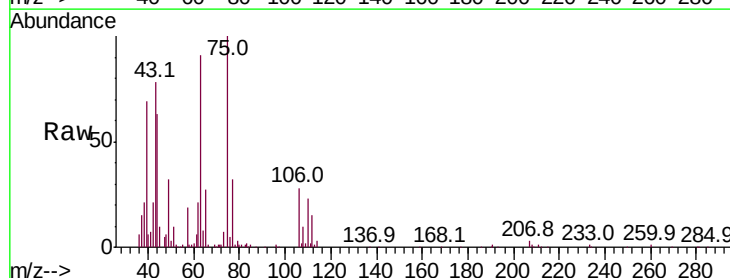
Acq: 24 Apr 2019 17:14

Tgt Ion: 63 Resp: 93818

Ion Ratio Lower Upper

63 100

106 30.3 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.46

40000

30000

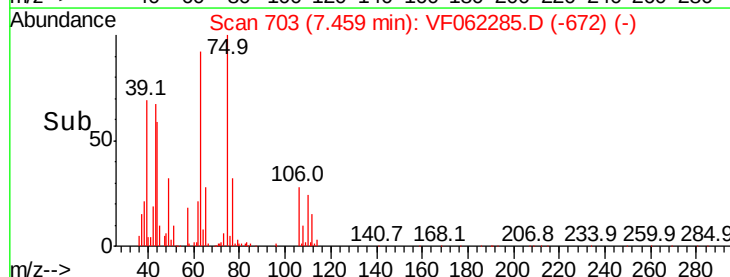
20000

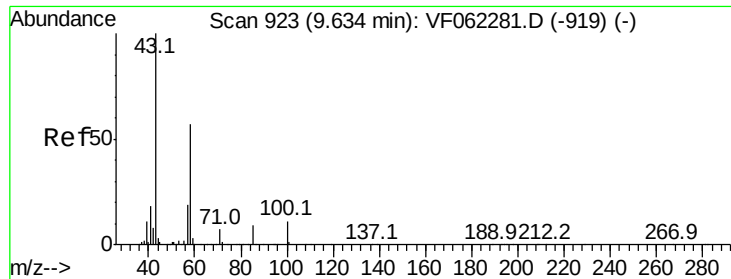
10000

0

7.30 7.40 7.50

Time-->

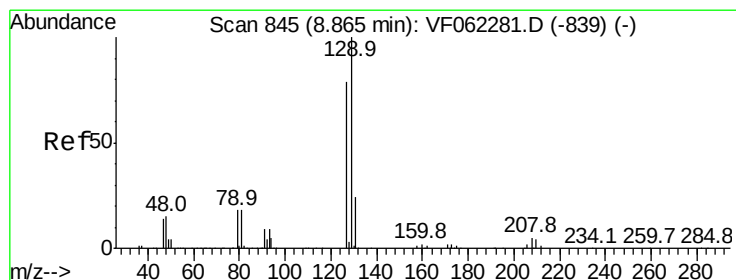
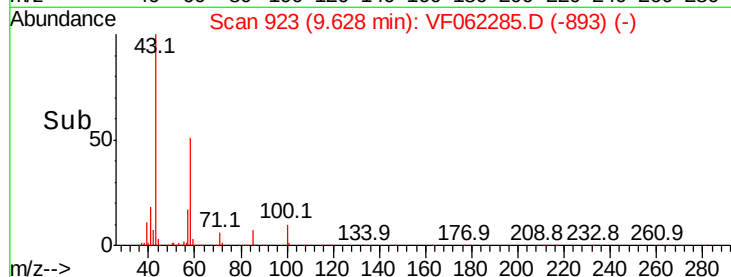
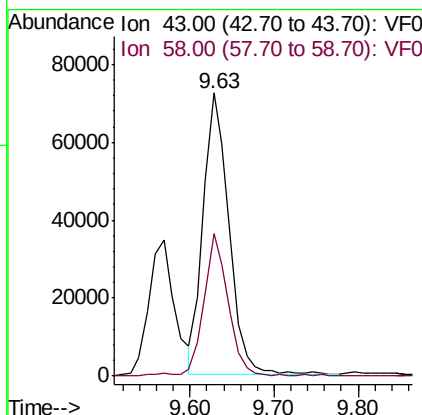
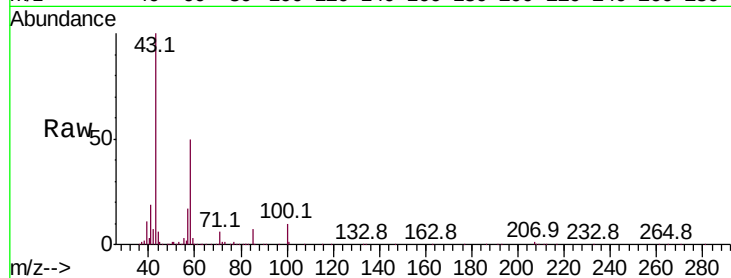




#59
2-Hexanone
Concen: 71.706 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

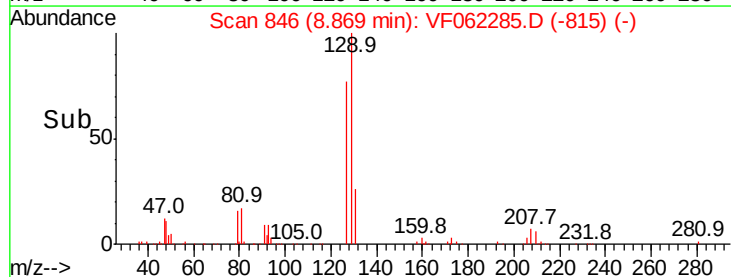
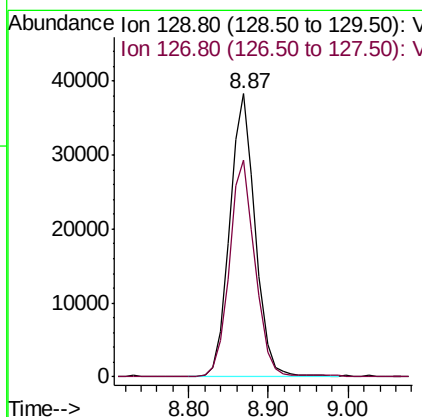
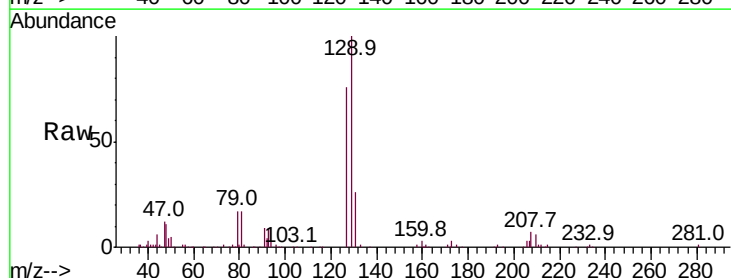
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

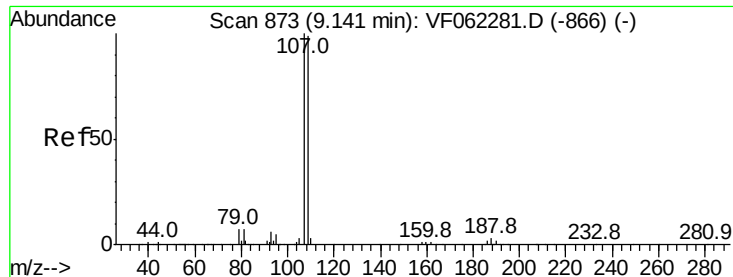
Tot Ion: 43 Resp: 154270
Ion Ratio Lower Upper
43 100
58 48.1 24.9 74.7



#60
Dibromochloromethane
Concen: 21.170 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion: 129 Resp: 85877
Ion Ratio Lower Upper
129 100
127 77.2 38.8 116.4





#61

1,2-Dibromoethane

Concen: 20.707 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

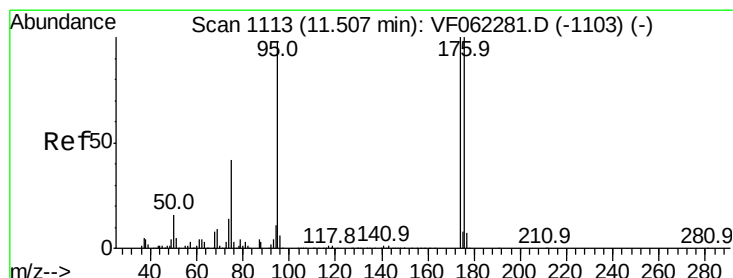
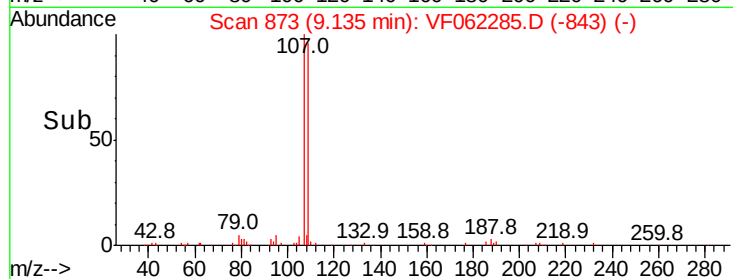
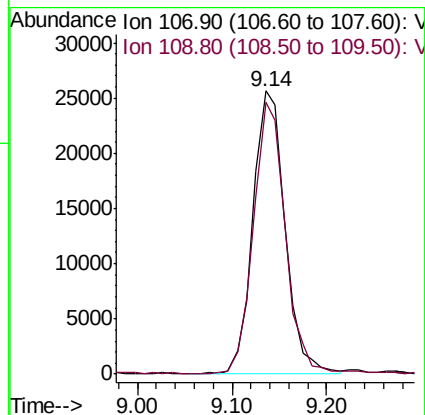
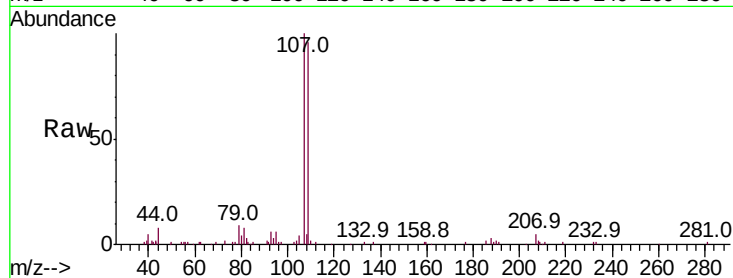
VSTDIC020

Tot Ion:107 Resp: 60747

Ion Ratio Lower Upper

107 100

109 96.6 78.7 118.1



#62

4-Bromofluorobenzene

Concen: 19.103 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

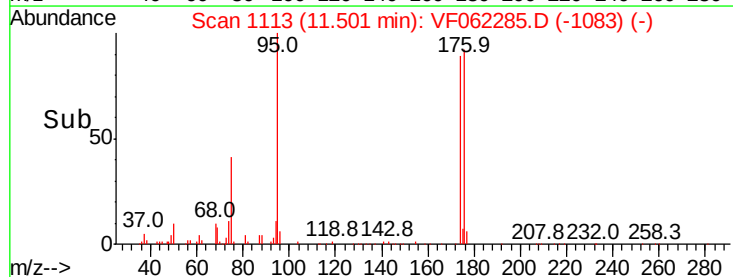
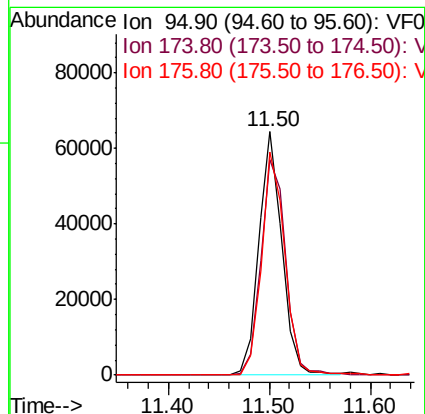
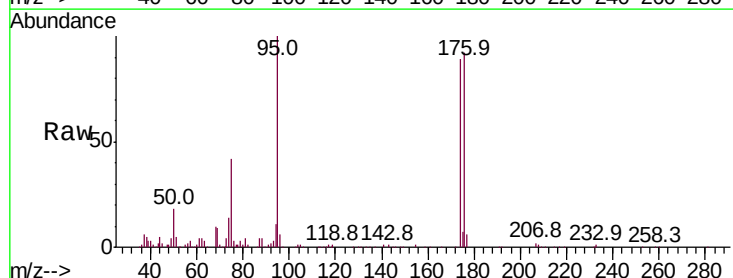
Tgt Ion: 95 Resp: 102567

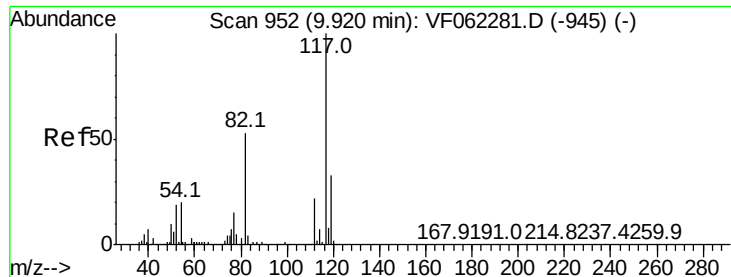
Ion Ratio Lower Upper

95 100

174 96.1 0.0 185.2

176 93.4 0.0 184.8

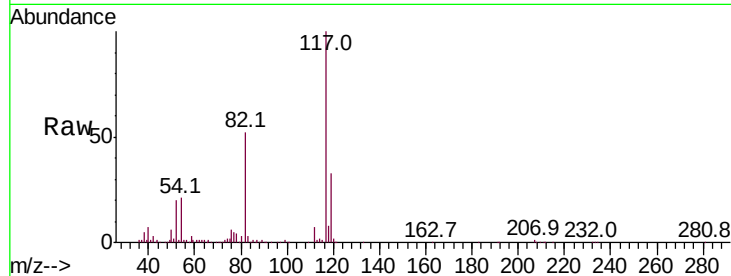




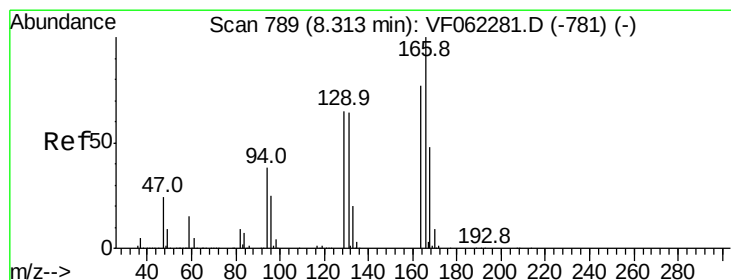
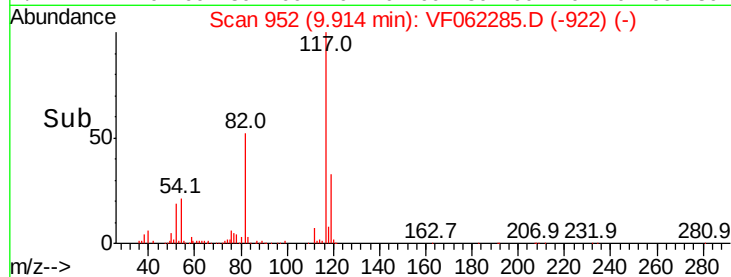
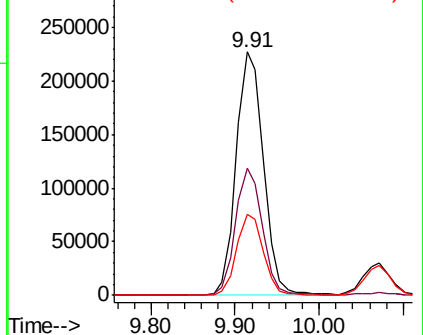
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 514470
Ion Ratio Lower Upper
117 100
82 52.0 42.6 64.0
119 33.1 26.1 39.1

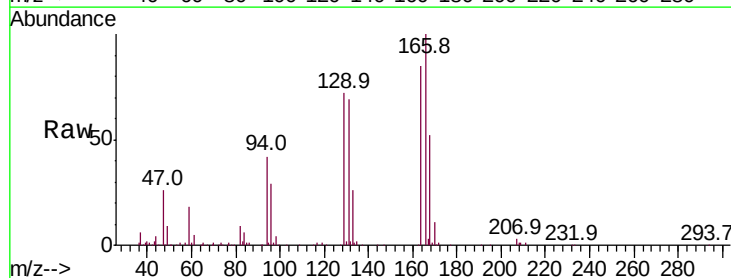


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 118.90 (118.60 to 119.60): V

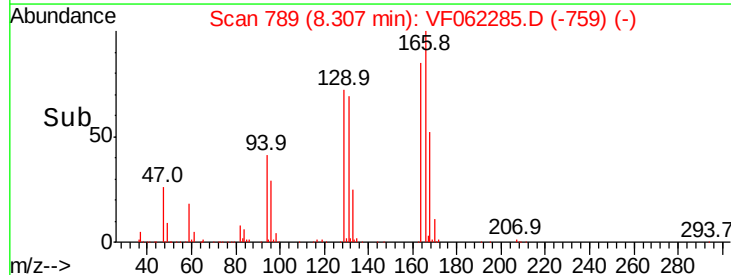
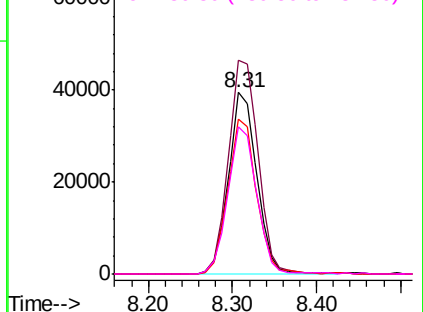


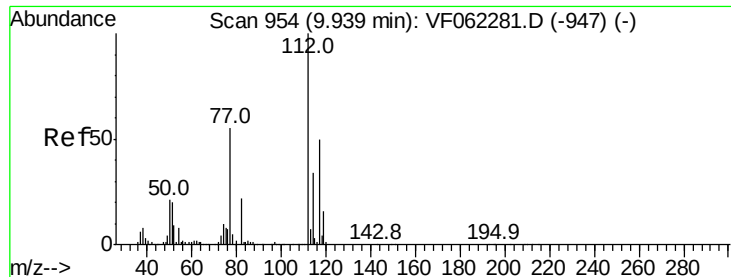
#64
Tetrachloroethene
Concen: 21.063 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion:164 Resp: 93143
Ion Ratio Lower Upper
164 100
166 117.8 103.5 155.3
129 85.4 67.6 101.4
131 80.9 66.1 99.1



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

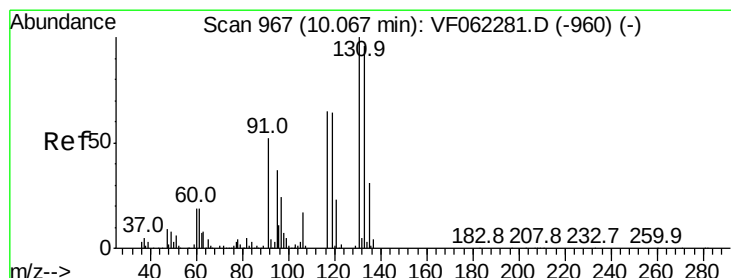
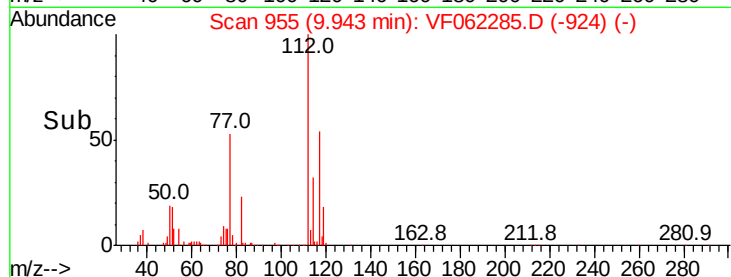
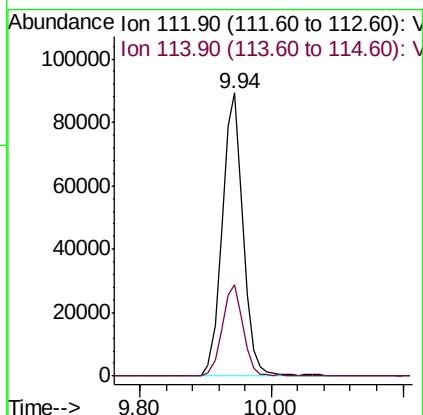
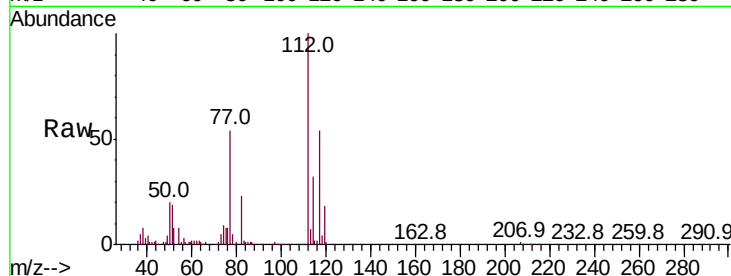




#65
Chlorobenzene
Concen: 20.714 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

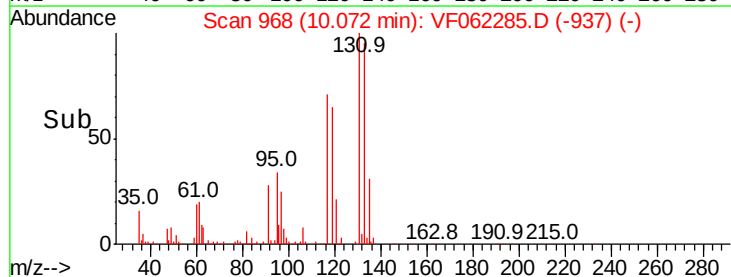
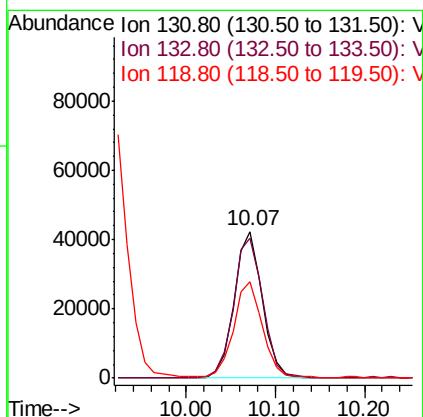
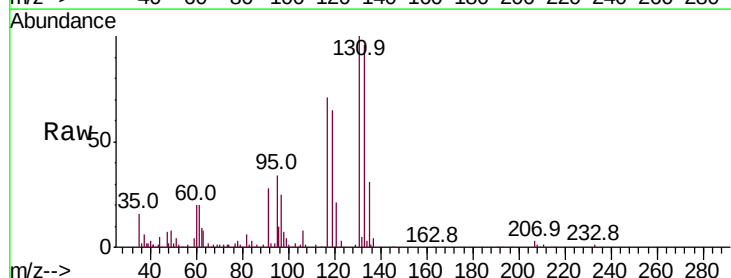
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

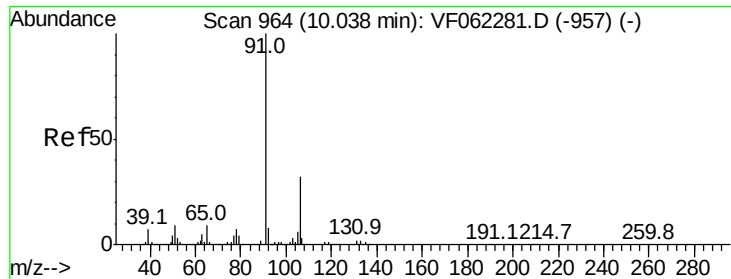
Tot Ion:112 Resp: 197652
Ion Ratio Lower Upper
112 100
114 32.2 27.0 40.6



#66
1,1,1,2-Tetrachloroethane
Concen: 20.210 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion:131 Resp: 92953
Ion Ratio Lower Upper
131 100
133 98.9 48.5 145.5
119 67.0 32.9 98.7





#67

Ethyl Benzene

Concen: 20.733 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

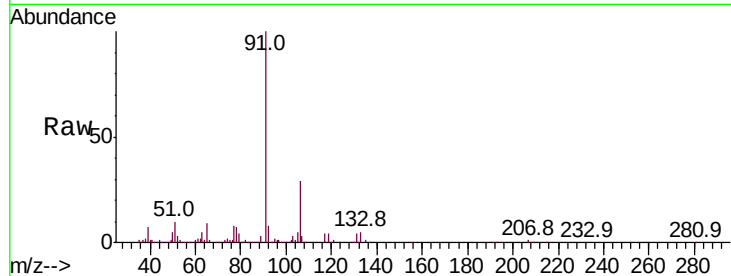
VSTDIC020

Tot Ion: 91 Resp: 350928

Ion Ratio Lower Upper

91 100

106 29.3 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

10.04

150000

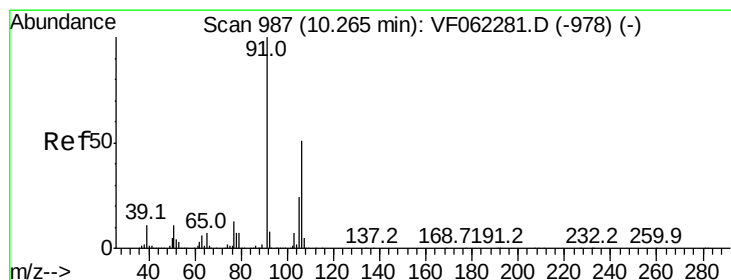
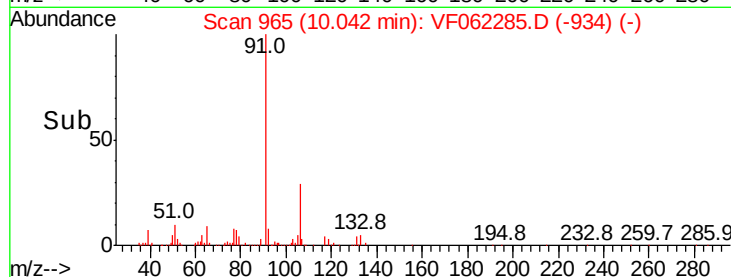
100000

50000

0

9.90 10.00 10.10 10.20

Time-->



#68

m/p-Xylenes

Concen: 41.169 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF062285.D

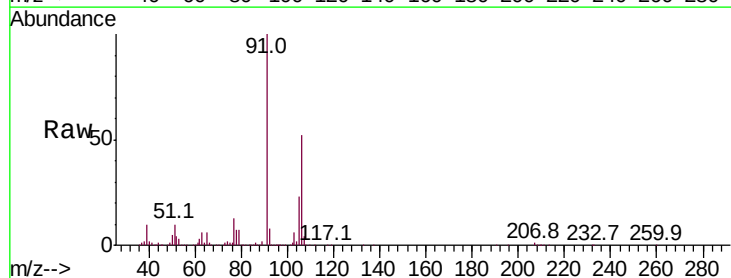
Acq: 24 Apr 2019 17:14

Tgt Ion:106 Resp: 257287

Ion Ratio Lower Upper

106 100

91 204.3 158.3 237.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

10.27

250000

200000

150000

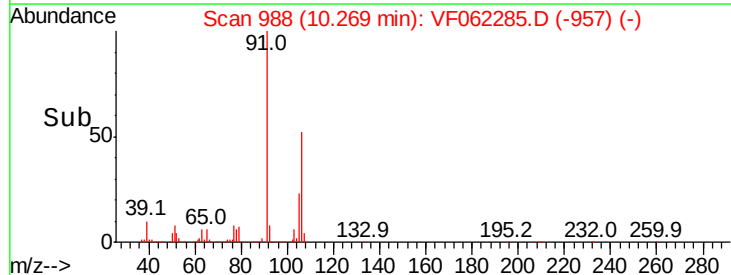
100000

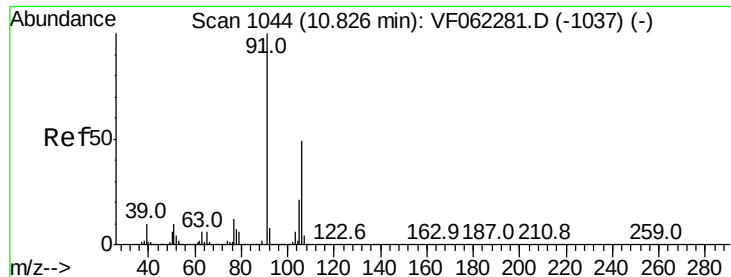
50000

0

10.20 10.30 10.40

Time-->

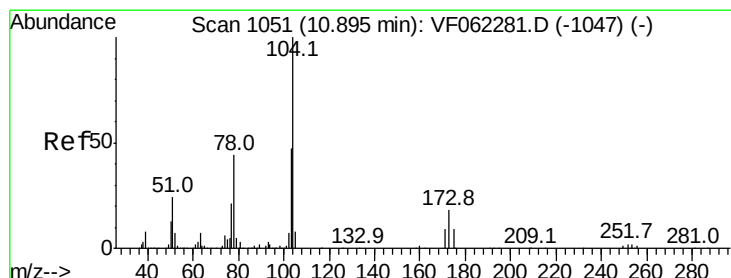
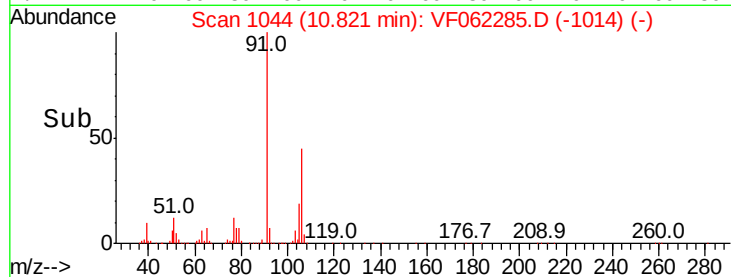
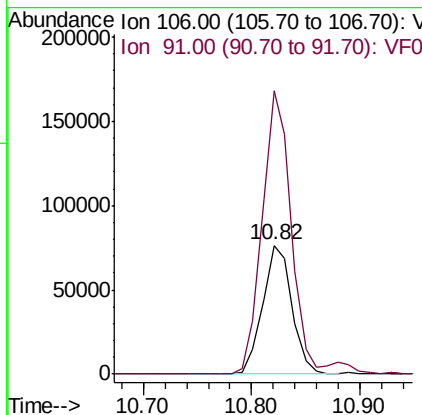
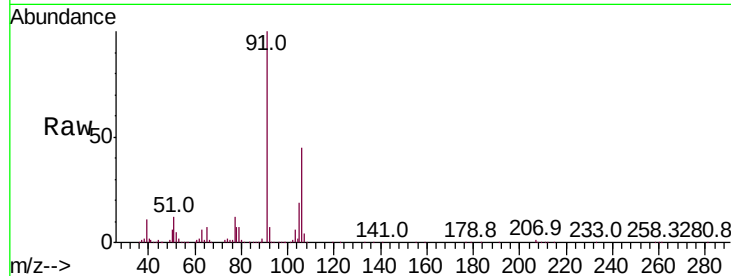




#69
o-Xylene
Concen: 20.721 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

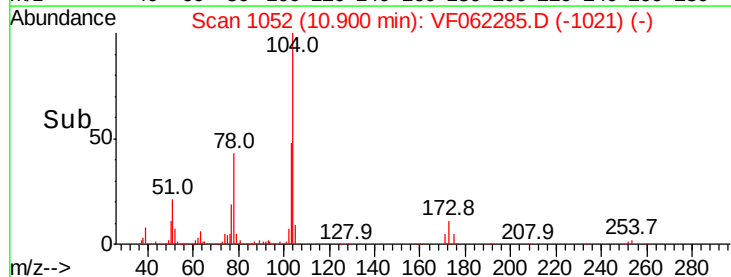
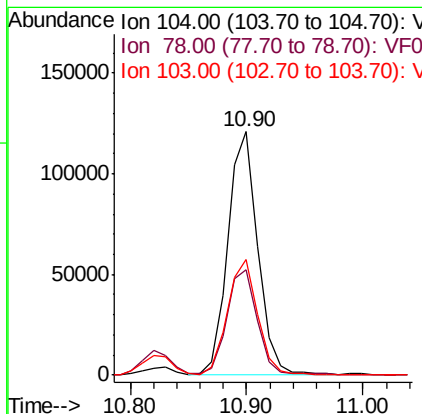
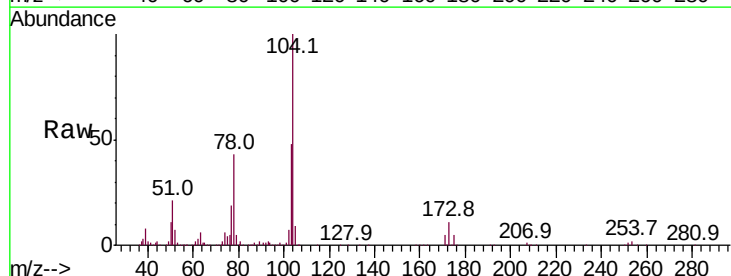
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

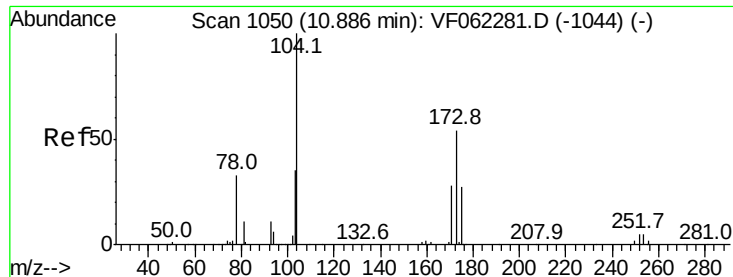
Tot Ion:106 Resp: 145367
Ion Ratio Lower Upper
106 100
91 216.1 110.0 330.0



#70
Styrene
Concen: 21.073 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF062285.D
Acq: 24 Apr 2019 17:14

Tgt Ion:104 Resp: 213872
Ion Ratio Lower Upper
104 100
78 43.8 35.9 53.9
103 48.2 37.5 56.3





#71

Bromoform

Concen: 21.975 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

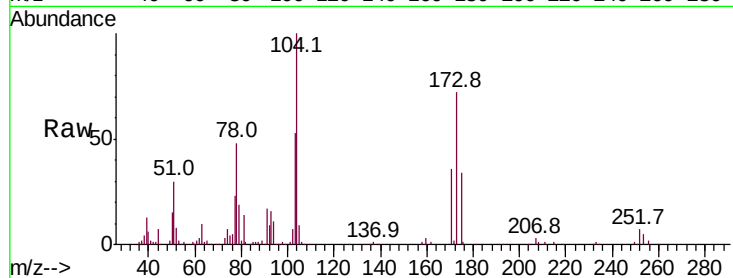
Tot Ion:173 Resp: 54855

Ion Ratio Lower Upper

173 100

175 48.2 25.3 75.9

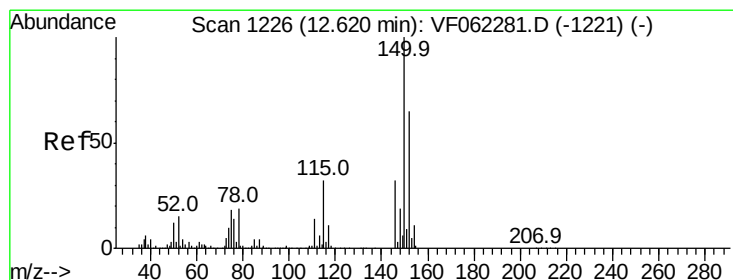
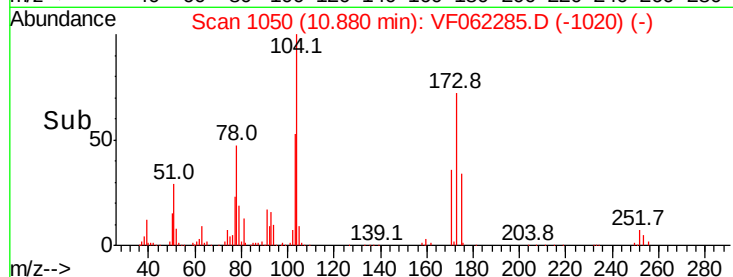
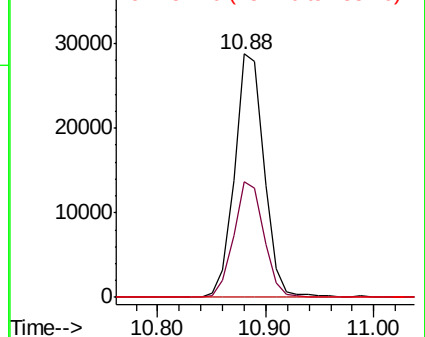
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.61 min Scan# 1226

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

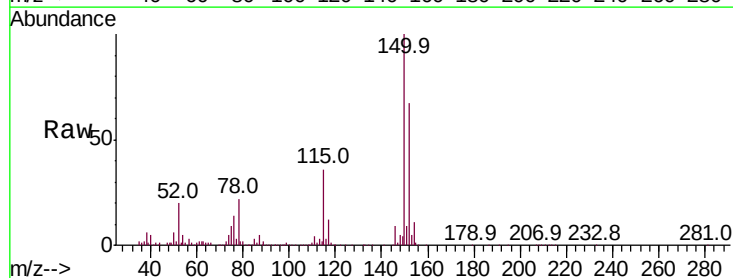
Tgt Ion:152 Resp: 295213

Ion Ratio Lower Upper

152 100

115 52.7 25.6 76.8

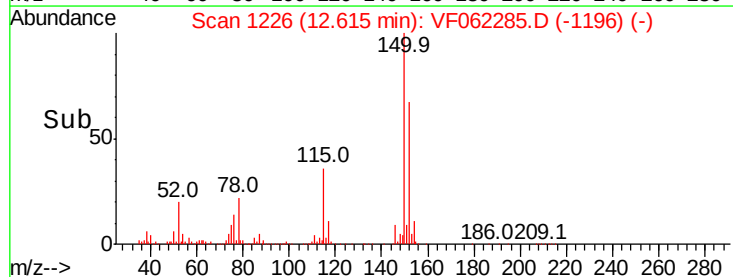
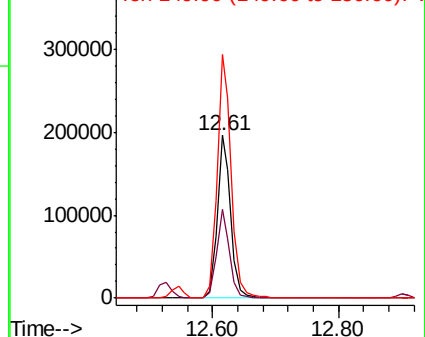
150 157.3 0.0 330.6

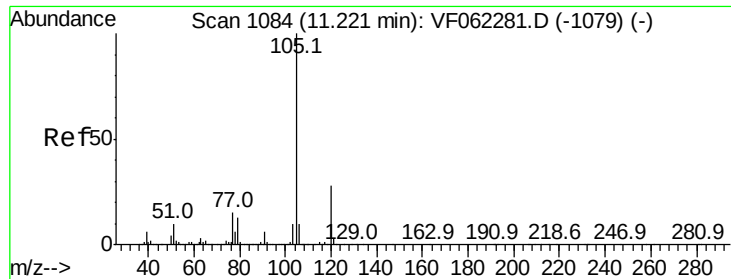


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.891 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

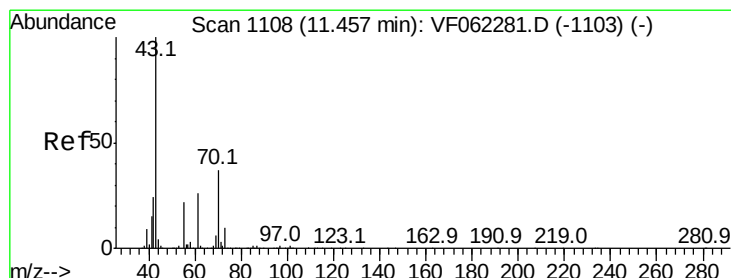
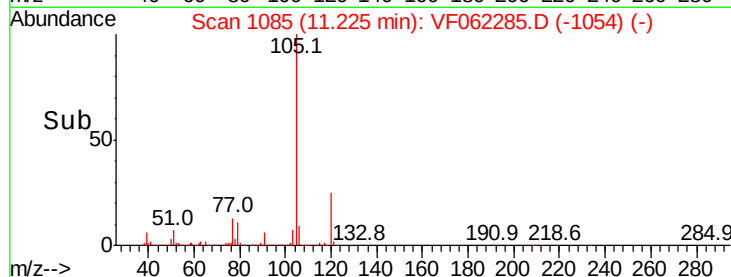
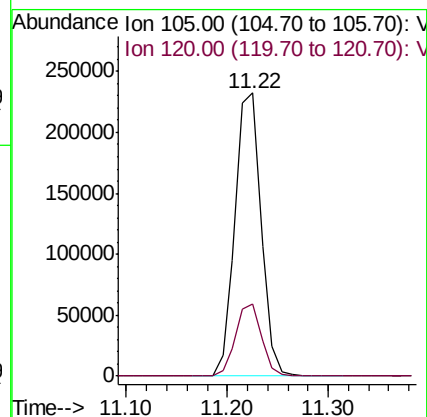
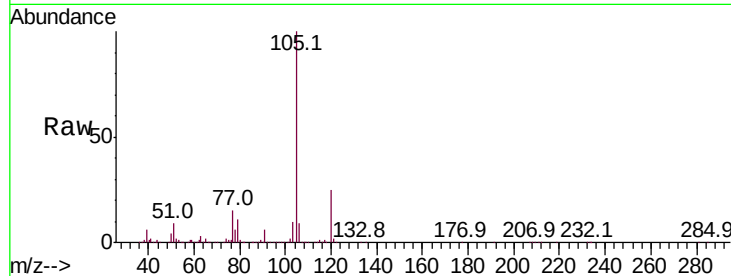
VSTDIC020

Tot Ion:105 Resp: 419219

Ion Ratio Lower Upper

105 100

120 25.1 12.4 37.2



#74

N-ethyl acetate

Concen: 20.609 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion: 43 Resp: 98618

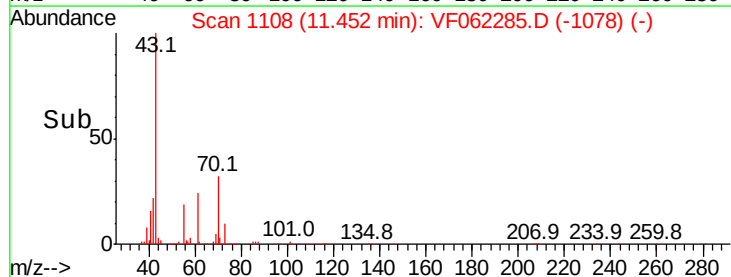
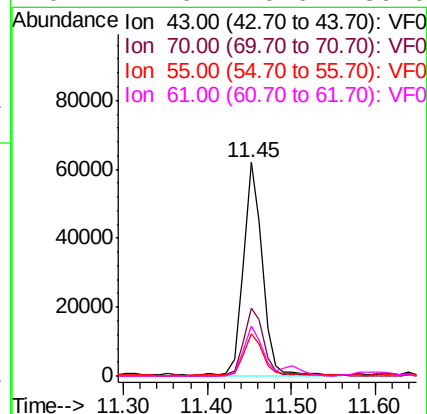
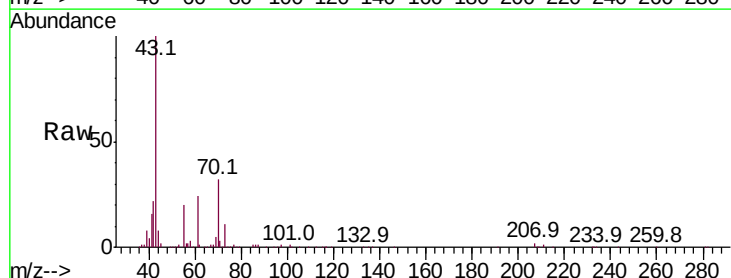
Ion Ratio Lower Upper

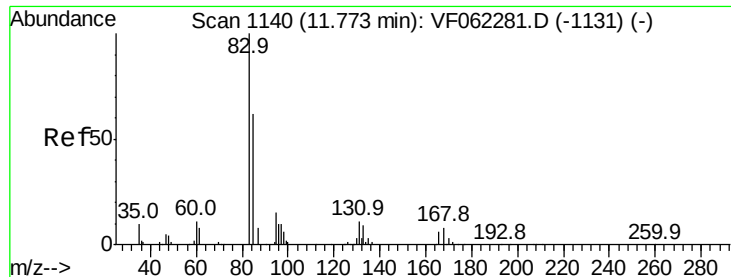
43 100

70 33.5 27.8 41.8

55 20.8 16.6 24.8

61 27.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 22.048 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

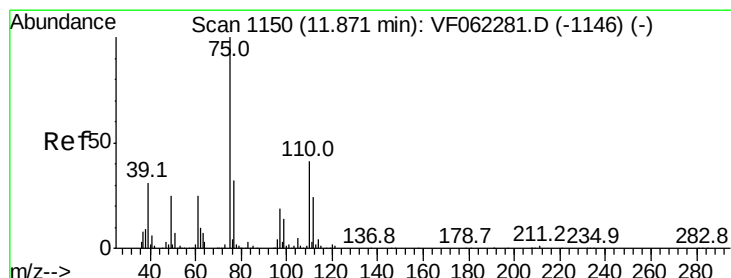
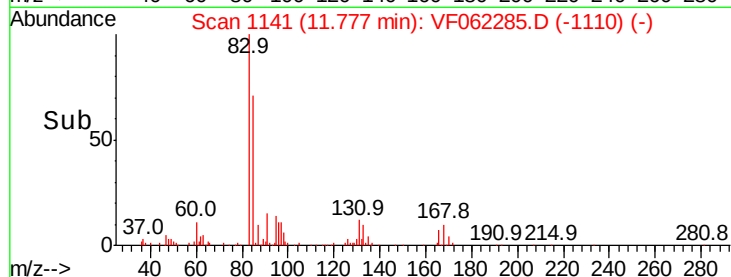
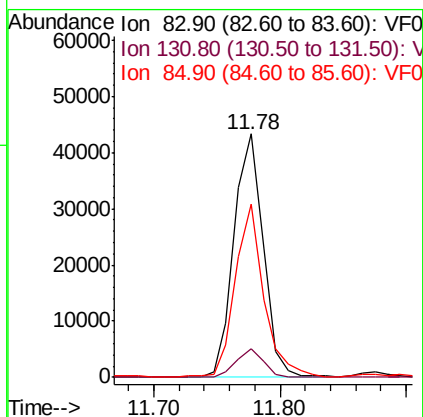
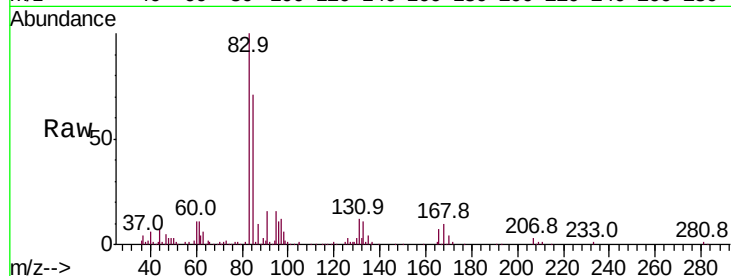
Tot Ion: 83 Resp: 69492

Ion Ratio Lower Upper

83 100

131 10.9 5.5 16.5

85 69.8 34.5 103.6



#76

1,2,3-Trichloropropane

Concen: 19.998 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VF062285.D

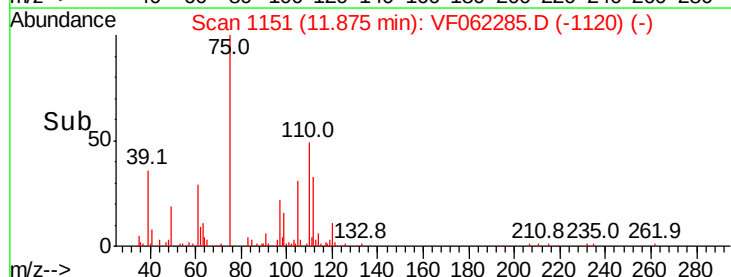
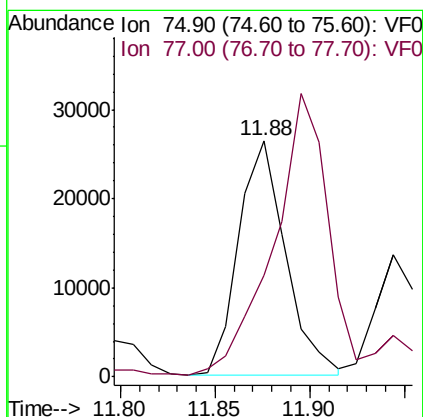
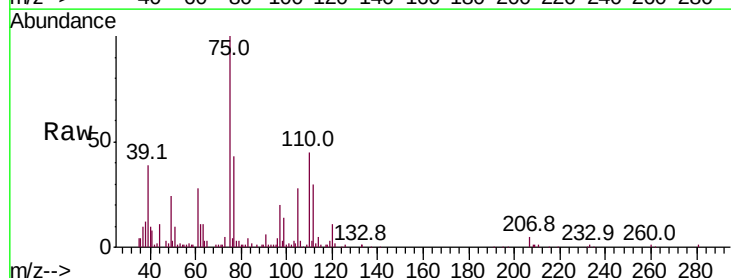
Acq: 24 Apr 2019 17:14

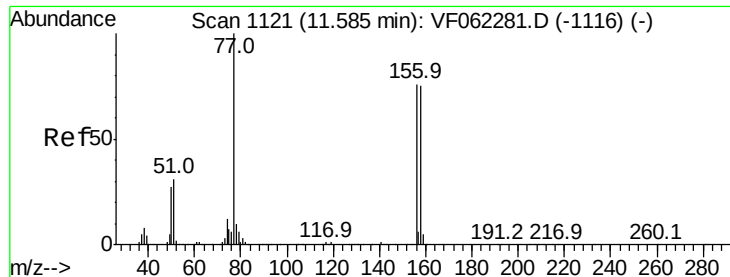
Tgt Ion: 75 Resp: 45483

Ion Ratio Lower Upper

75 100

77 140.9 0.0 0.0#





#77

Bromobenzene

Concen: 21.147 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

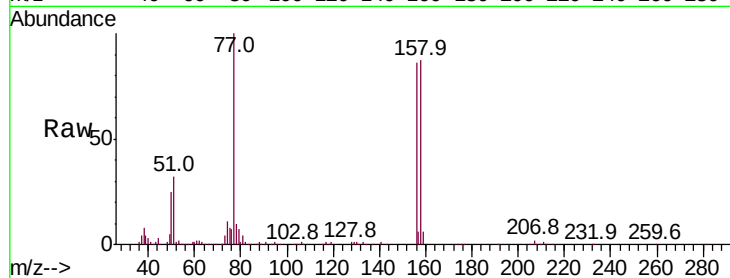
Tot Ion:156 Resp: 107494

Ion Ratio Lower Upper

156 100

77 135.1 67.3 201.9

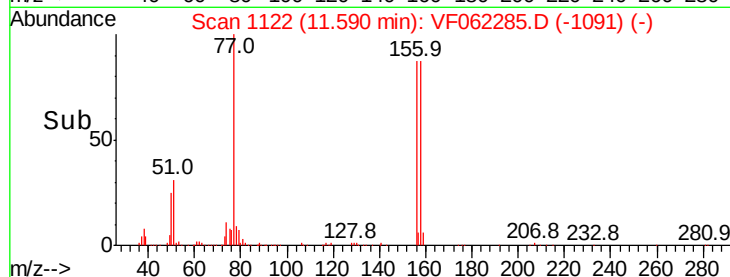
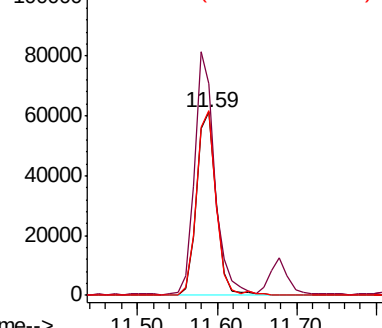
158 100.3 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.30): VF0

Ion 157.80 (157.50 to 158.10): V



#78

n-propylbenzene

Concen: 20.666 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF062285.D

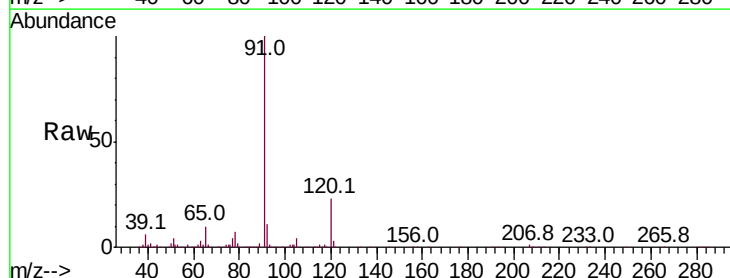
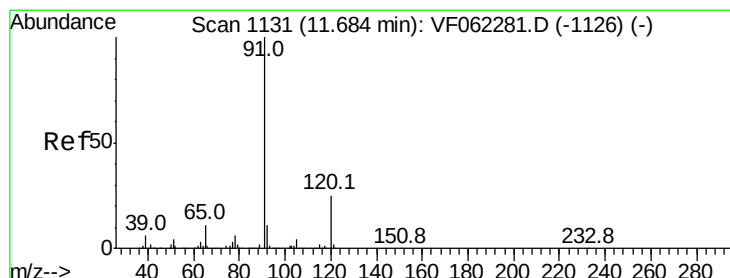
Acq: 24 Apr 2019 17:14

Tgt Ion: 91 Resp: 453267

Ion Ratio Lower Upper

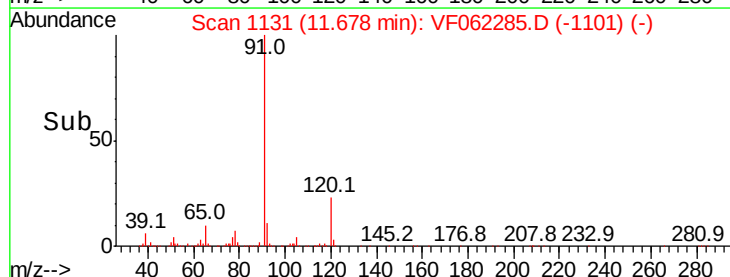
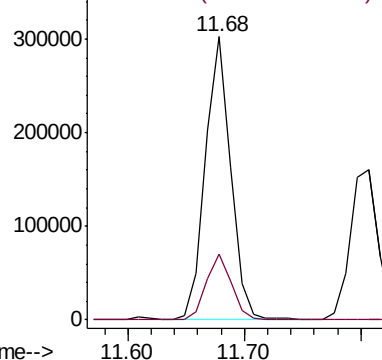
91 100

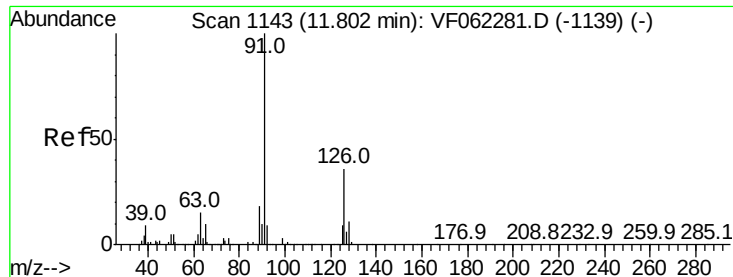
120 23.4 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.30): VF0

Ion 120.00 (119.70 to 120.30): V





#79

2-Chlorotoluene

Concen: 20.486 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

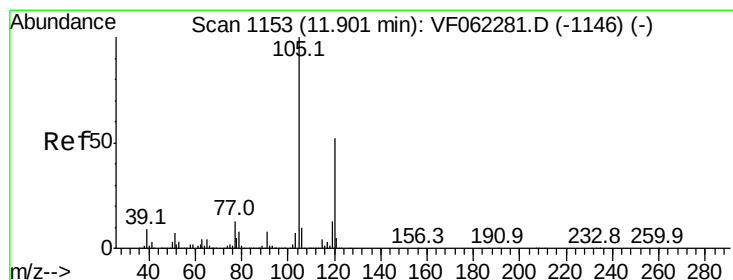
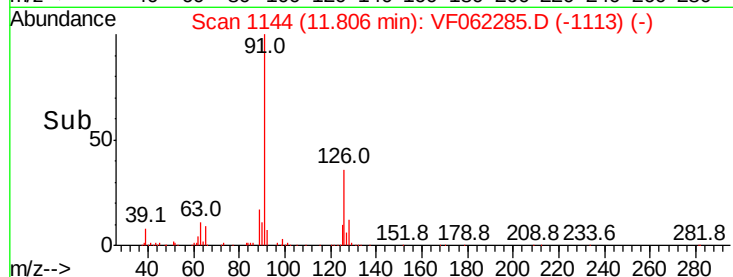
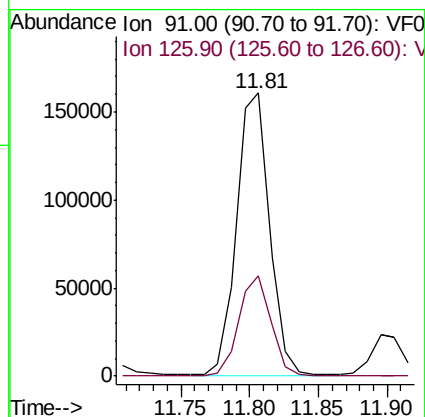
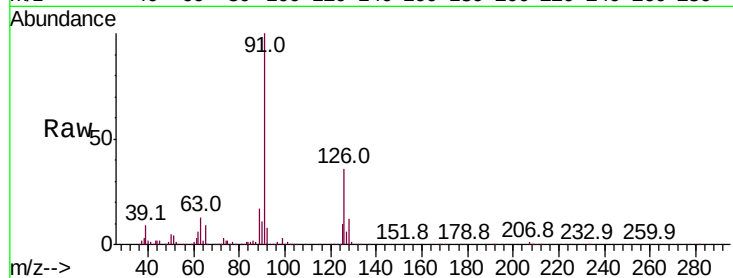
VSTDIC020

Tot Ion: 91 Resp: 267039

Ion Ratio Lower Upper

91 100

126 35.1 17.9 53.8



#80

1,3,5-Trimethylbenzene

Concen: 21.282 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF062285.D

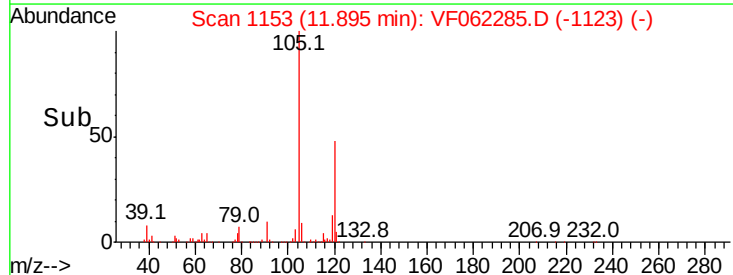
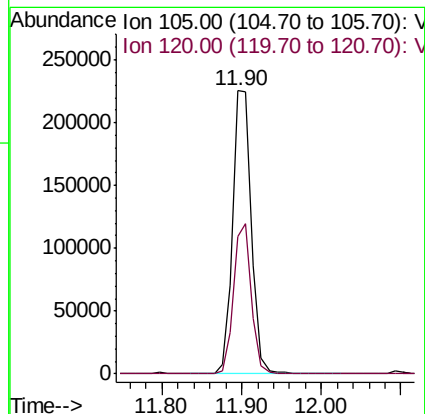
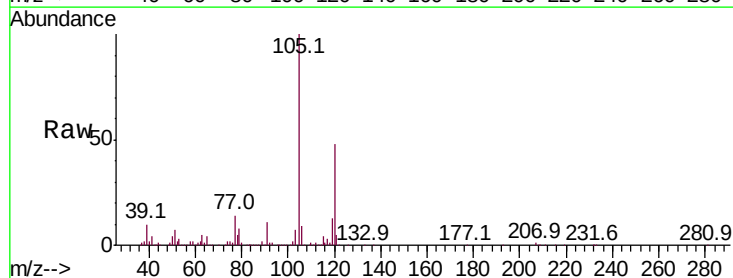
Acq: 24 Apr 2019 17:14

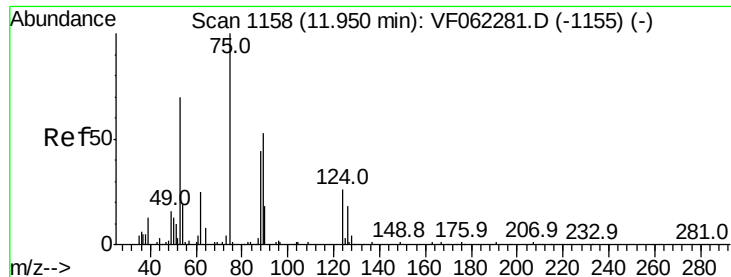
Tgt Ion:105 Resp: 375305

Ion Ratio Lower Upper

105 100

120 50.2 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 22.704 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

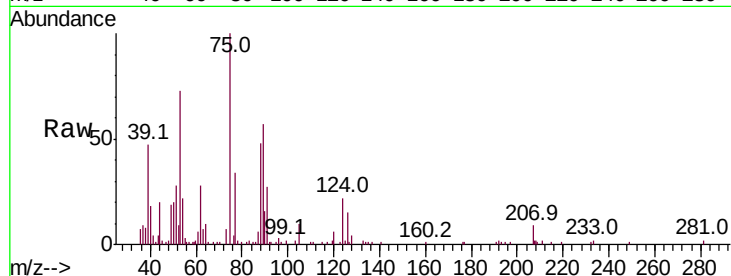
Tot Ion: 75 Resp: 29986

Ion Ratio Lower Upper

75 100

53 53.4 67.1 100.7#

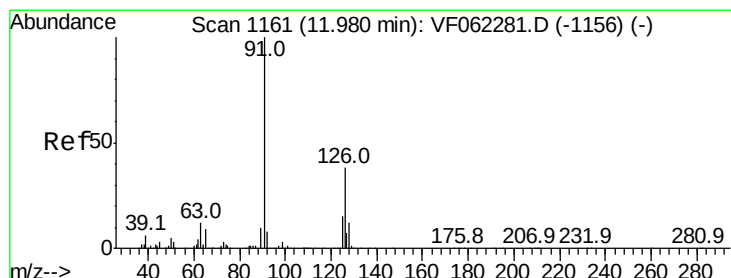
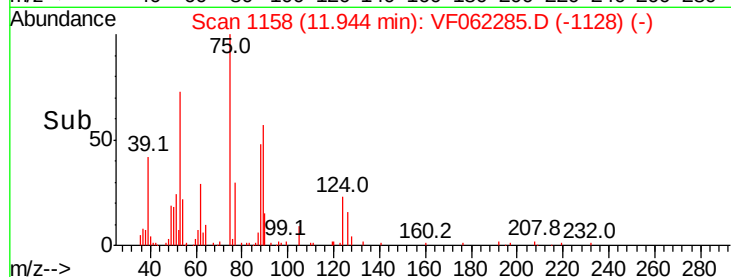
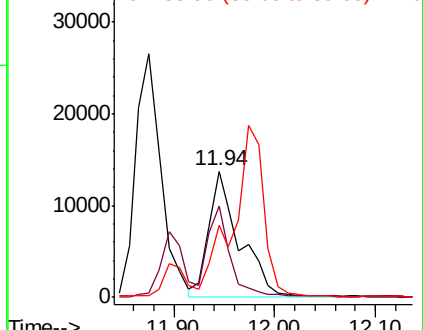
89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 88.90 (88.60 to 89.60): VF0



#82

4-Chlorotoluene

Concen: 21.066 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF062285.D

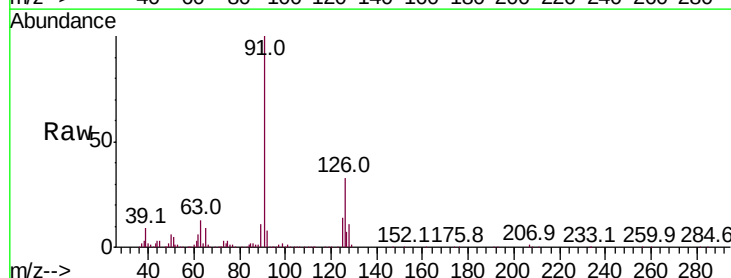
Acq: 24 Apr 2019 17:14

Tgt Ion: 91 Resp: 272116

Ion Ratio Lower Upper

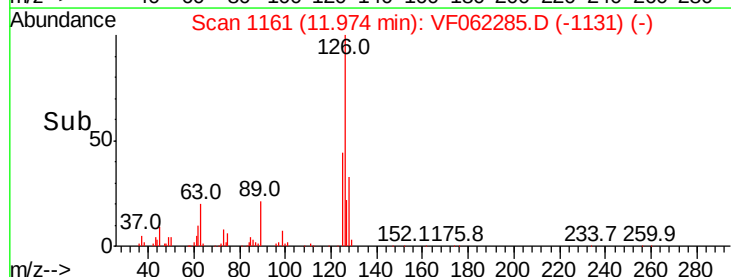
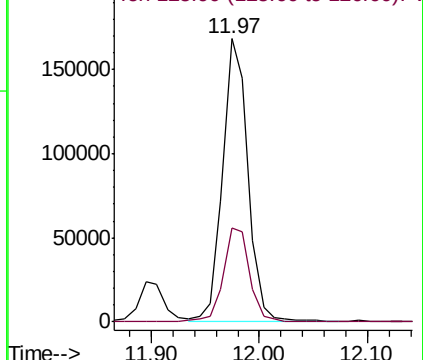
91 100

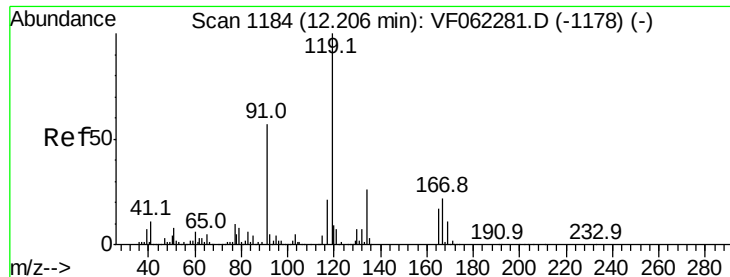
126 35.1 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

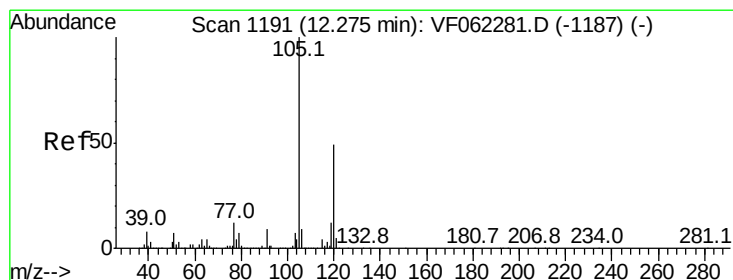
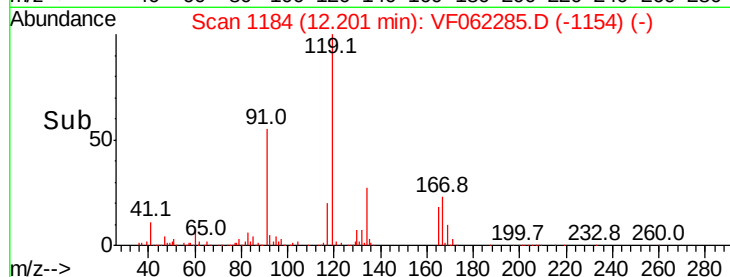
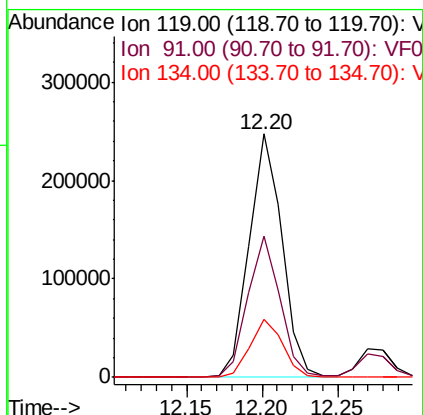
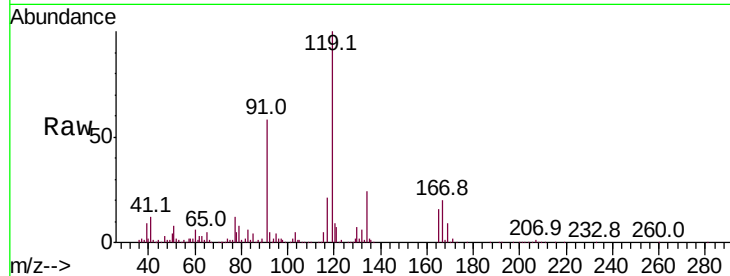




#83
 tert-Butylbenzene
 Concen: 20.379 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

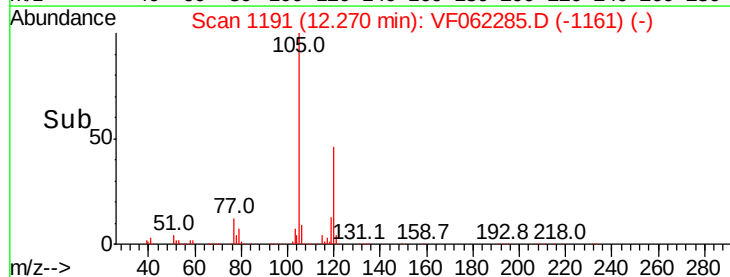
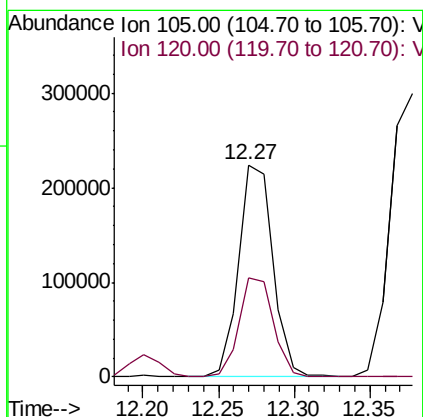
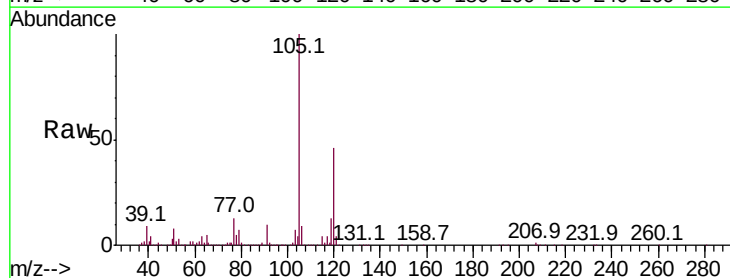
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

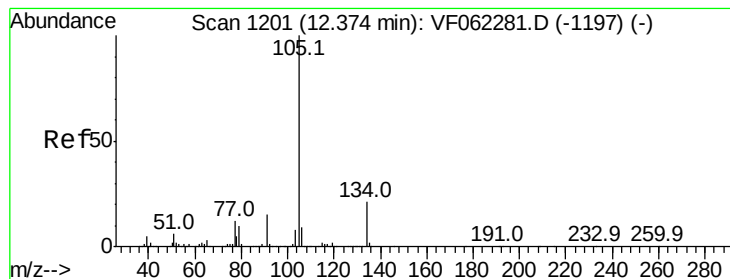
Tot Ion	Ratio	Lower	Upper
119	100		
91	56.4	29.4	88.2
134	23.6	11.9	35.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.333 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	24.1	72.2





#85

sec-Butylbenzene

Concen: 20.253 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

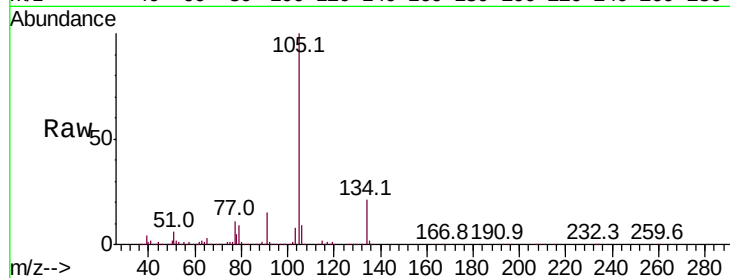
VSTDIC020

Tot Ion:105 Resp: 464850

Ion Ratio Lower Upper

105 100

134 19.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

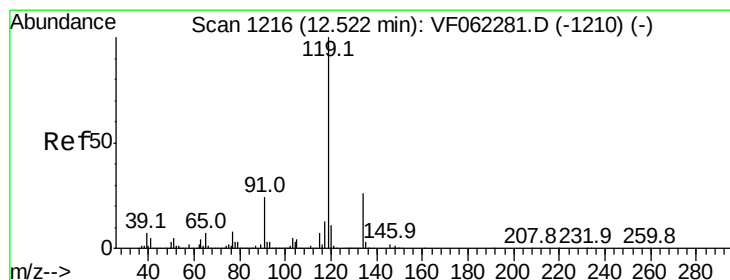
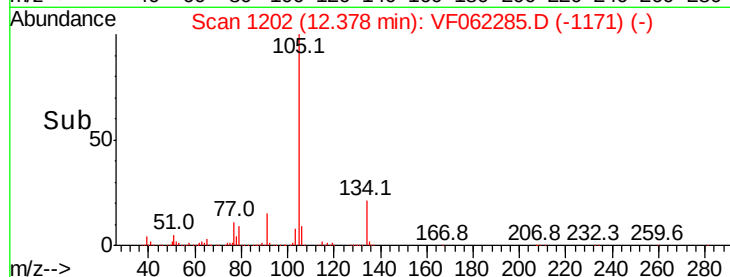
300000 12.38

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.712 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

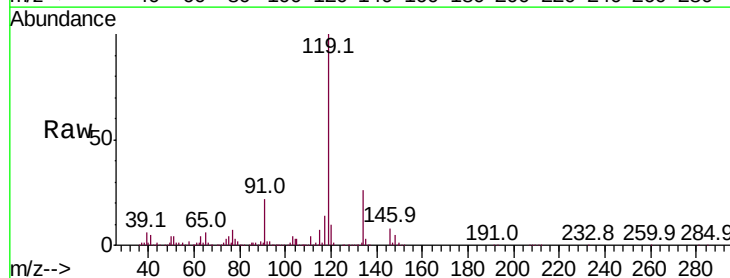
Tgt Ion:119 Resp: 423161

Ion Ratio Lower Upper

119 100

134 25.8 13.2 39.5

91 22.7 11.6 34.7



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

400000 12.53

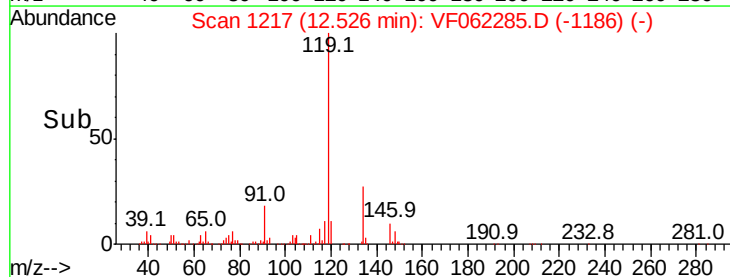
300000

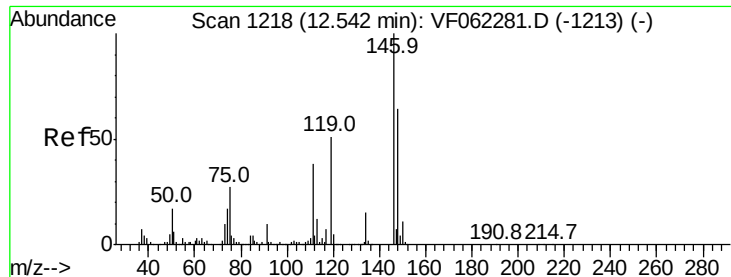
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 20.504 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

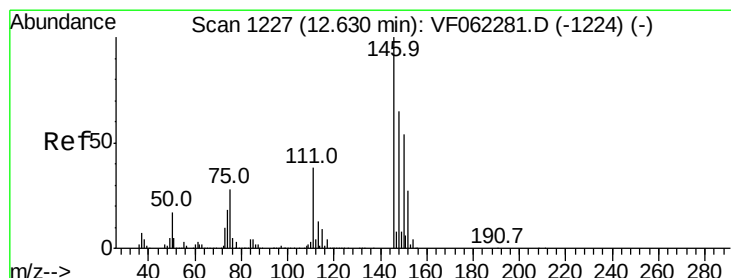
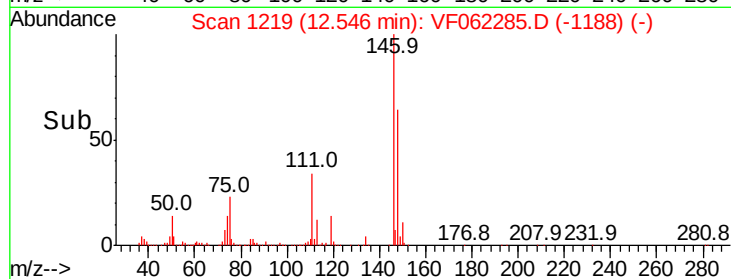
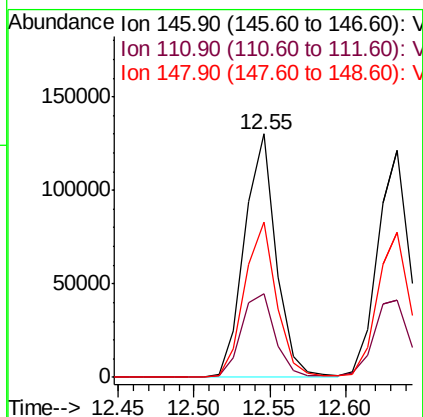
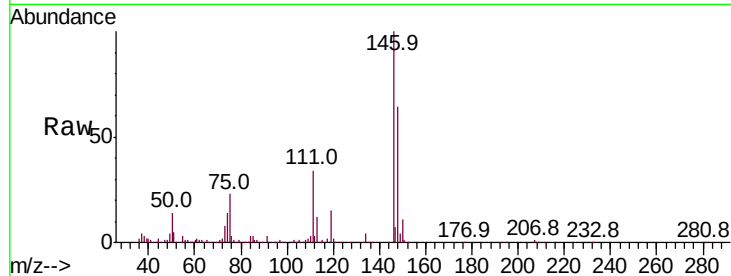
Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:146 Resp: 189650

Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	64.7	32.8	98.4



#88

1,4-Dichlorobenzene

Concen: 21.039 ug/l

RT: 12.63 min Scan# 1228

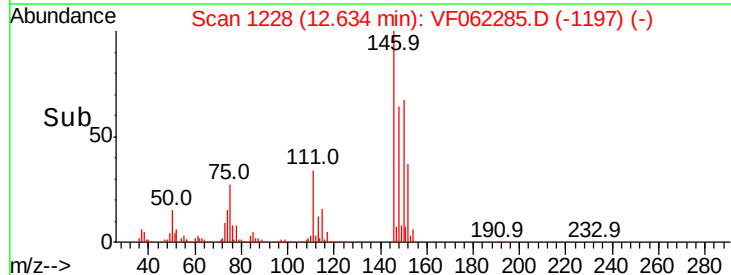
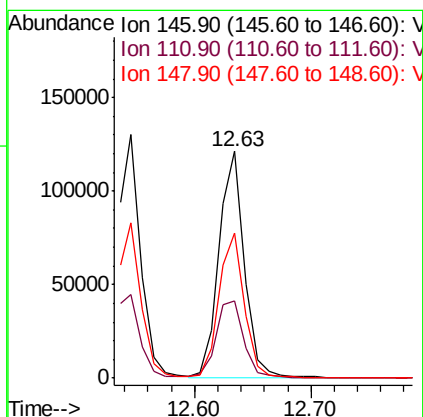
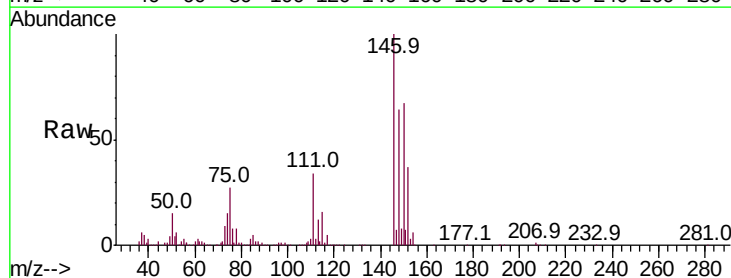
Delta R.T. 0.00 min

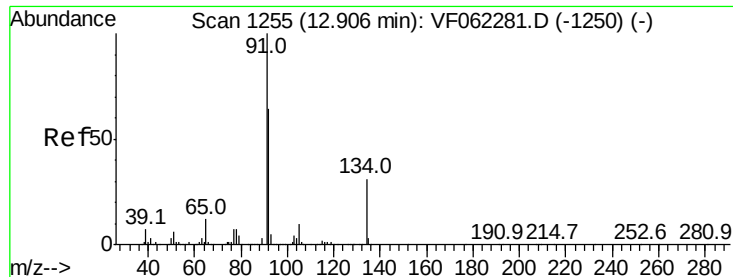
Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:146 Resp: 182469

Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	56.0
148	64.1	32.5	97.5





#89

n-Butylbenzene

Concen: 20.201 ug/l

RT: 12.90 min Scan# 1255

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

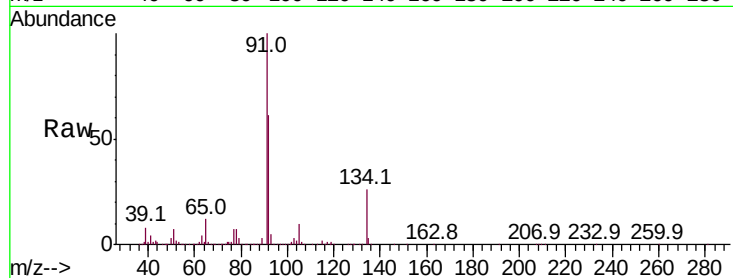
Tot Ion: 91 Resp: 384900

Ion Ratio Lower Upper

91 100

92 59.7 31.1 93.3

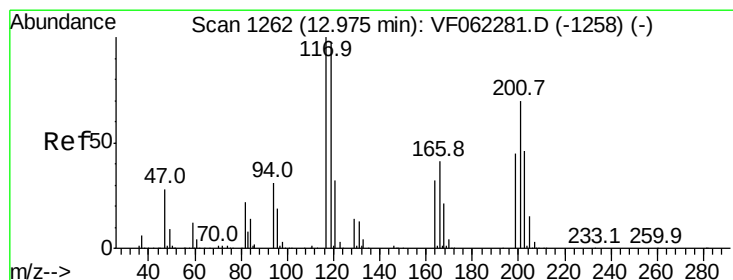
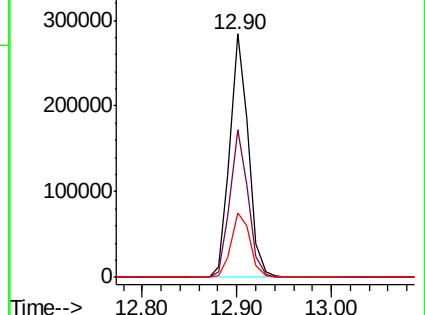
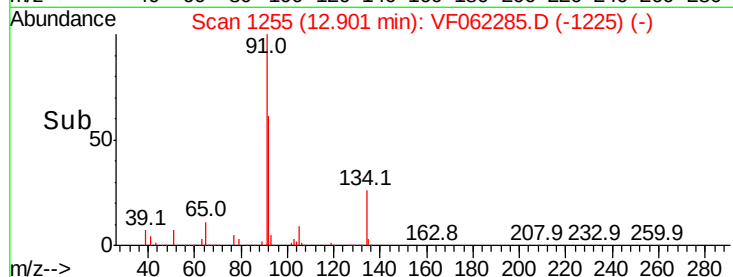
134 27.1 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 20.111 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VF062285.D

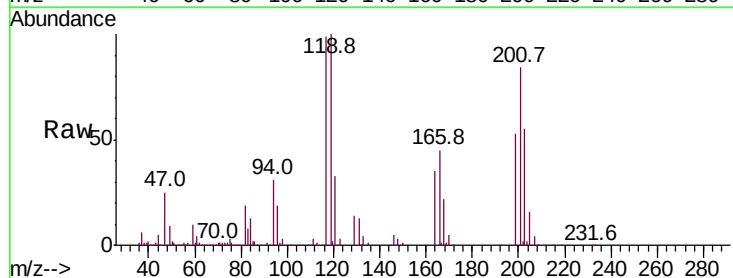
Acq: 24 Apr 2019 17:14

Tgt Ion: 117 Resp: 101944

Ion Ratio Lower Upper

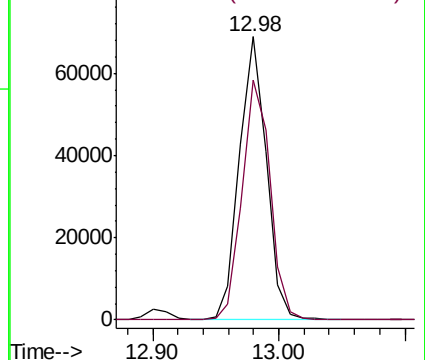
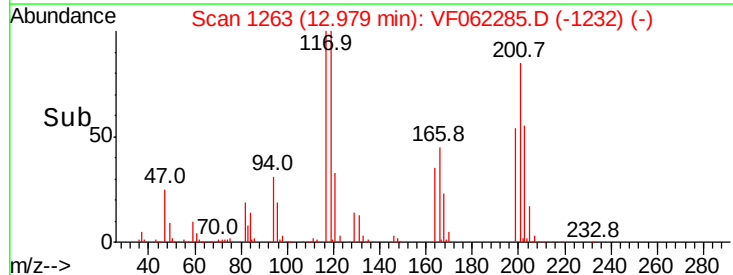
117 100

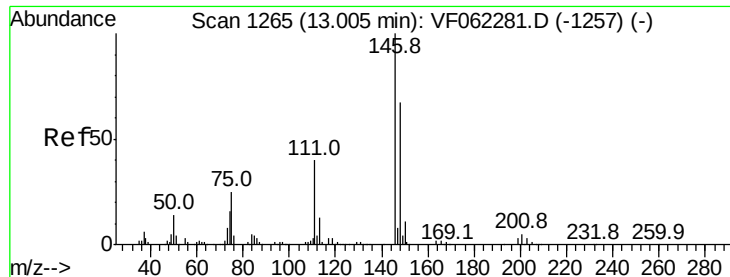
201 88.1 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.963 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

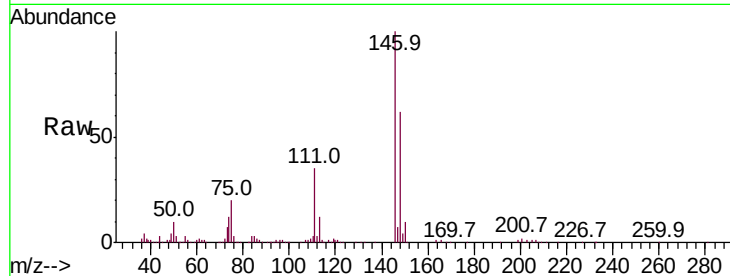
Tot Ion:146 Resp: 186392

Ion Ratio Lower Upper

146 100

111 38.2 20.0 59.9

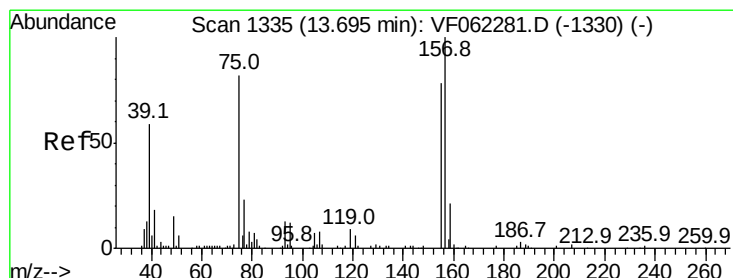
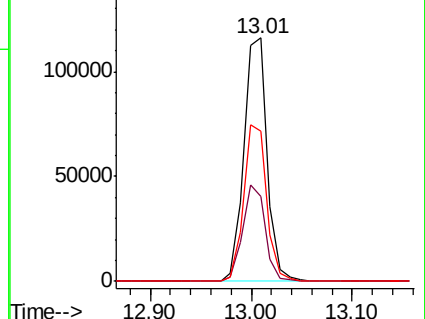
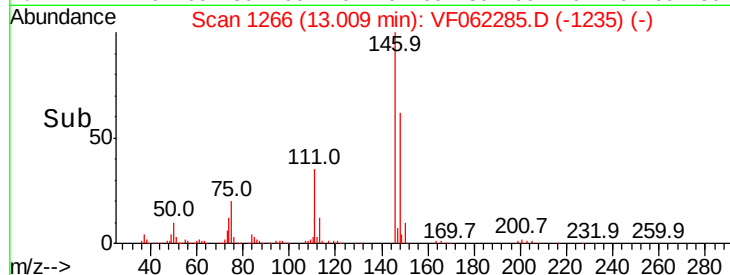
148 63.4 33.1 99.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.973 ug/l

RT: 13.69 min Scan# 1335

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

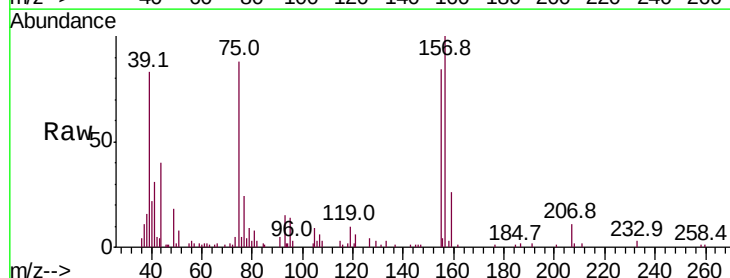
Tgt Ion: 75 Resp: 12796

Ion Ratio Lower Upper

75 100

155 113.5 51.7 155.2

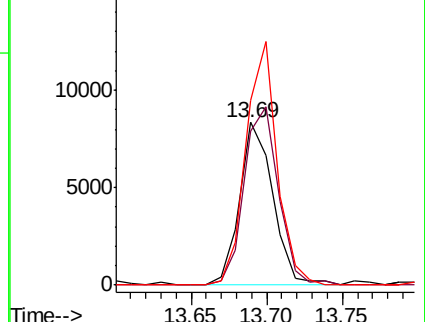
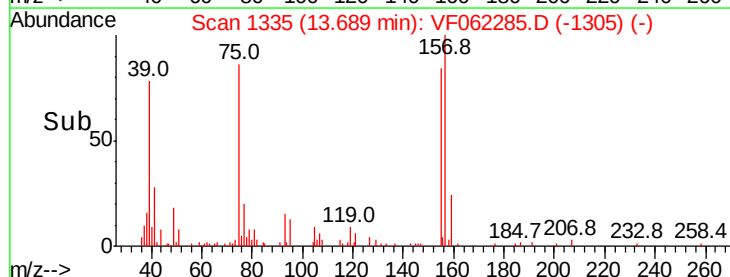
157 139.3 64.5 193.5

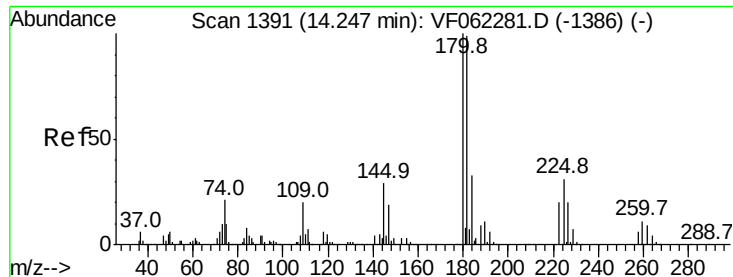


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

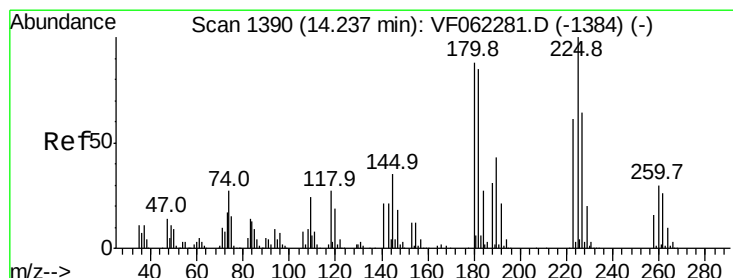
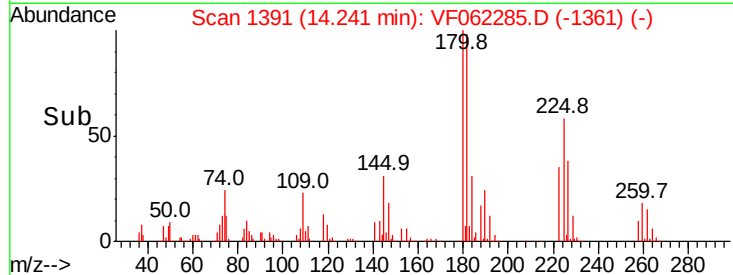
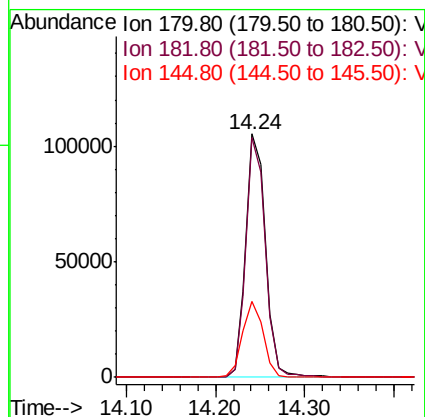
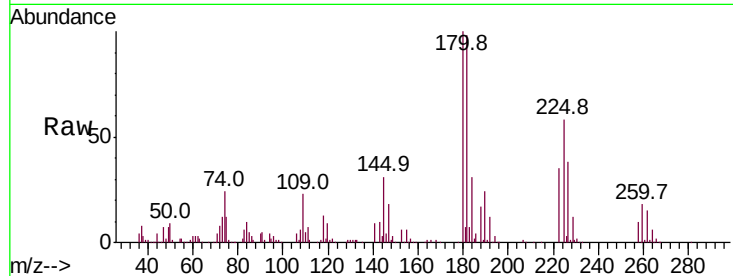




#93
 1,2,4-Trichlorobenzene
 Concen: 20.642 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

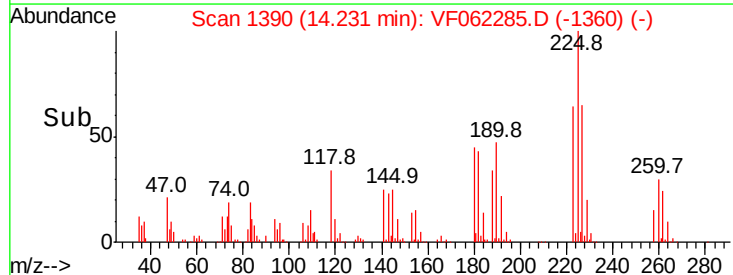
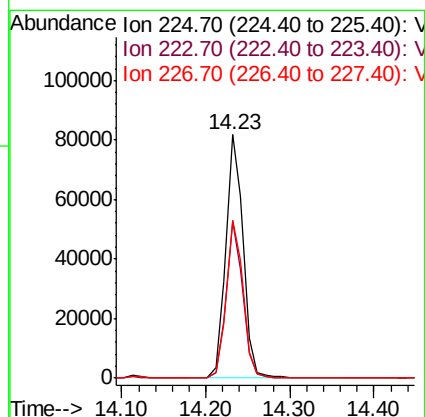
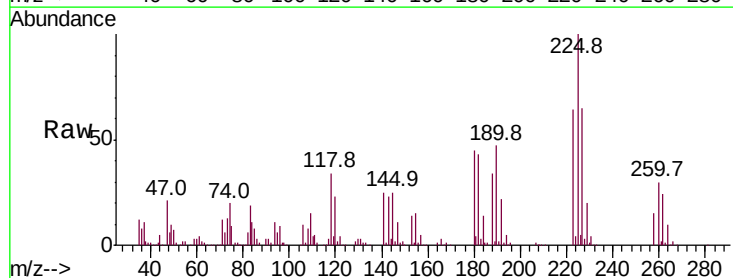
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

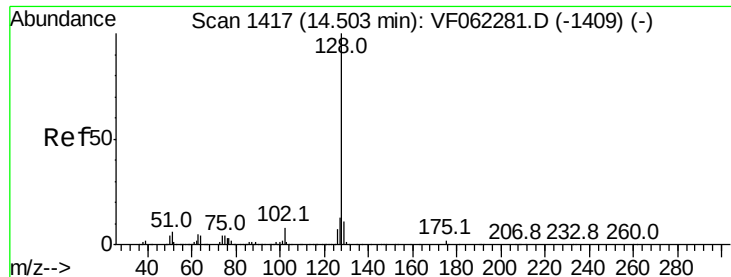
Tot Ion:180 Resp: 162612
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.5 145.6
 145 33.0 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 20.840 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.01 min
 Lab File: VF062285.D
 Acq: 24 Apr 2019 17:14

Tgt Ion:225 Resp: 116530
 Ion Ratio Lower Upper
 225 100
 223 61.3 30.8 92.3
 227 63.1 31.9 95.5





#95

Naphthalene

Concen: 20.676 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.01 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Instrument :

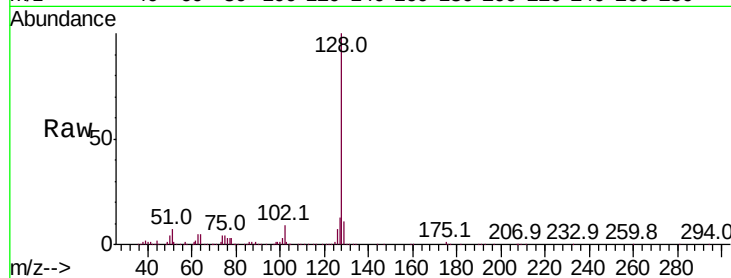
MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:128 Resp: 241849

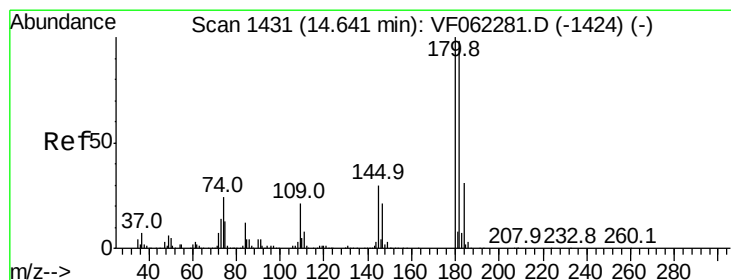
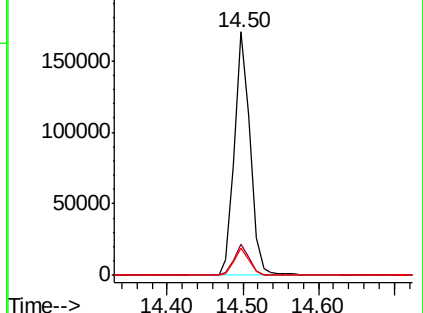
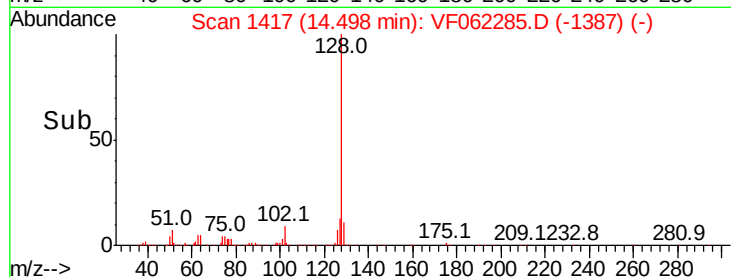
Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	11.2	8.9	13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.199 ug/l

RT: 14.65 min Scan# 1432

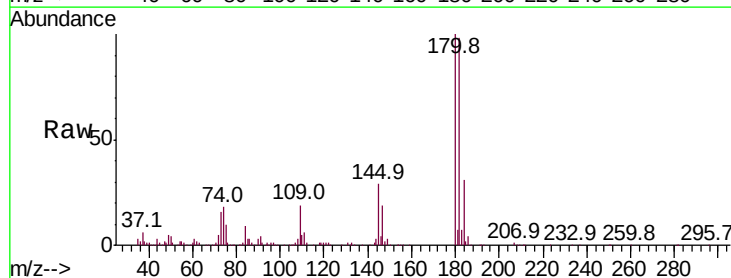
Delta R.T. 0.00 min

Lab File: VF062285.D

Acq: 24 Apr 2019 17:14

Tgt Ion:180 Resp: 153713

Ion	Ratio	Lower	Upper
180	100		
182	97.2	49.0	147.2
145	29.8	14.5	43.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

