

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062280.D
 Acq On : 24 Apr 2019 14:45
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 25 07:35:50 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	5.07	168	484423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	671608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	489074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	279520	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.04	65	72175	18.37	ug/l	0.00
Spiked Amount			Recovery	=	36.74%	
35) Dibromofluoromethane	4.32	113	94852	18.56	ug/l	0.00
Spiked Amount			Recovery	=	37.12%	
50) Toluene-d8	7.72	98	226877	18.59	ug/l	0.00
Spiked Amount			Recovery	=	37.18%	
62) 4-Bromofluorobenzene	11.51	95	90711	17.63	ug/l	0.00
Spiked Amount			Recovery	=	35.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.01	85	122662	20.467	ug/l	95
3) Chloromethane	1.16	50	99554	19.835	ug/l	99
4) Vinyl Chloride	1.19	62	94483	20.067	ug/l	94
5) Bromomethane	1.38	94	55825	17.566	ug/l	96
6) Chloroethane	1.45	64	40918	19.834	ug/l	90
7) Trichlorofluoromethane	1.56	101	150261	20.230	ug/l	90
8) Diethyl Ether	1.72	74	24538	18.382	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.92	101	93241	20.028	ug/l	99
10) Methyl Iodide	1.99	142	162432	20.044	ug/l	91
11) Tert butyl alcohol	2.71	59	23835	101.910	ug/l #	86
12) 1,1-Dichloroethene	1.87	96	83945	19.650	ug/l	97
13) Acrolein	2.10	56	9561	61.724	ug/l	94
14) Allyl chloride	2.20	41	92027	14.288	ug/l #	71
15) Acrylonitrile	3.10	53	69192	102.290	ug/l	97
16) Acetone	2.36	43	80411	91.623	ug/l	96
17) Carbon Disulfide	1.91	76	214309	19.347	ug/l	96
18) Methyl Acetate	2.47	43	39297	18.059	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	160467	20.387	ug/l	95
20) Methylene Chloride	2.35	84	60952	10.978	ug/l	95
21) trans-1,2-Dichloroethene	2.43	96	82285	20.054	ug/l	90
22) Diisopropyl ether	2.95	45	241776	19.722	ug/l	98
23) Vinyl Acetate	3.35	43	536386	100.993	ug/l	97
24) 1,1-Dichloroethane	3.02	63	141118	20.520	ug/l	99
25) 2-Butanone	4.54	43	137324	98.726	ug/l	96
26) 2,2-Dichloropropane	3.79	77	71972	20.038	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	109326	20.829	ug/l	95
28) Bromochloromethane	3.92	49	60256	20.035	ug/l #	97
29) Tetrahydrofuran	4.29	42	56522	93.230	ug/l	99
30) Chloroform	4.06	83	178538	20.814	ug/l	100
31) Cyclohexane	3.89	56	135814	20.416	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	117086	18.329	ug/l #	85
36) 1,1-Dichloropropene	4.49	75	126855	19.887	ug/l	98
37) Ethyl Acetate	4.31	43	48397	18.479	ug/l	91
38) Carbon Tetrachloride	4.19	117	121743	19.533	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062280.D
 Acq On : 24 Apr 2019 14:45
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Quant Time: Apr 25 07:35:50 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)
39) Methylcyclohexane	5.64	83	149913	19.943	ug/l	97
40) Benzene	4.83	78	315068	20.478	ug/l	99
41) Methacrylonitrile	4.95	41	30123	20.591	ug/l	94
42) 1,2-Dichloroethane	5.14	62	95518	20.216	ug/l	99
43) Isopropyl Acetate	7.13	43	50765	18.377	ug/l #	99
44) Trichloroethene	5.70	130	102792	19.754	ug/l	95
45) 1,2-Dichloropropane	6.42	63	64573	19.053	ug/l	98
46) Dibromomethane	6.27	93	50768	20.679	ug/l	98
47) Bromodichloromethane	6.57	83	114766	19.857	ug/l	94
48) Methyl methacrylate	6.89	41	35842	18.909	ug/l	93
49) 1,4-Dioxane	6.88	88	7427	342.357	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	199147	94.220	ug/l	99
52) Toluene	7.79	92	176016	19.947	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	84542	20.085	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	112761	20.631	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	49475	20.513	ug/l	92
56) Ethyl methacrylate	8.76	69	50428	18.703	ug/l	96
57) 1,3-Dichloropropane	9.00	76	73507	19.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	87004	104.455	ug/l	97
59) 2-Hexanone	9.63	43	122170	59.272	ug/l	100
60) Dibromochloromethane	8.87	129	77567	19.959	ug/l	96
61) 1,2-Dibromoethane	9.14	107	54705	19.464	ug/l	97
64) Tetrachloroethene	8.31	164	86372	20.546	ug/l	96
65) Chlorobenzene	9.95	112	185748	20.477	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	89255	20.414	ug/l	97
67) Ethyl Benzene	10.04	91	318538	19.797	ug/l	97
68) m/p-Xylenes	10.26	106	240039	40.403	ug/l	97
69) o-Xylene	10.83	106	140445	21.059	ug/l	97
70) Styrene	10.89	104	196790	20.397	ug/l	97
71) Bromoform	10.88	173	48984	20.642	ug/l #	99
73) Isopropylbenzene	11.22	105	426705	21.382	ug/l	98
74) N-amyl acetate	11.46	43	87879	19.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	59765	20.027	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	41268	19.163	ug/l #	100
77) Bromobenzene	11.58	156	99369	20.646	ug/l	99
78) n-propylbenzene	11.68	91	414606	19.965	ug/l	99
79) 2-Chlorotoluene	11.80	91	251701	20.394	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	338659	20.282	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	28142	22.504	ug/l #	63
82) 4-Chlorotoluene	11.98	91	241023	19.706	ug/l	99
83) tert-Butylbenzene	12.21	119	376516	21.507	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	337391	20.548	ug/l	97
85) sec-Butylbenzene	12.37	105	457304	21.042	ug/l	99
86) p-Isopropyltoluene	12.52	119	399279	20.640	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	171463	19.579	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	166325	20.254	ug/l	99
89) n-Butylbenzene	12.91	91	367214	20.355	ug/l	96
90) Hexachloroethane	12.98	117	101921	21.235	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	172967	20.545	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	11920	19.650	ug/l	99

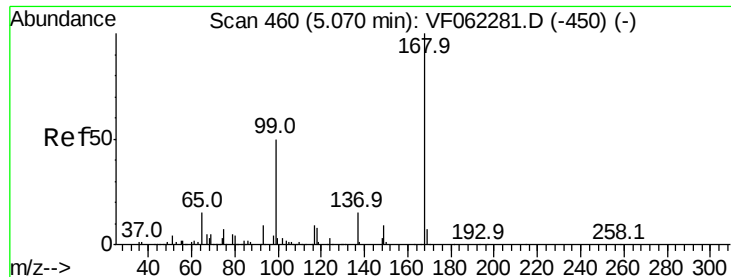
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
Data File : VF062280.D
Acq On : 24 Apr 2019 14:45
Operator : FY/SY
Sample : VSTDICC020
Misc : 5.00g/5mL/MSVOA F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC020

Quant Time: Apr 25 07:35:50 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.25	180	152048	20.384	ug/l	98
94) Hexachlorobutadiene	14.24	225	110134	20.802	ug/l	98
95) Naphthalene	14.50	128	223505	20.180	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	141320	20.585	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

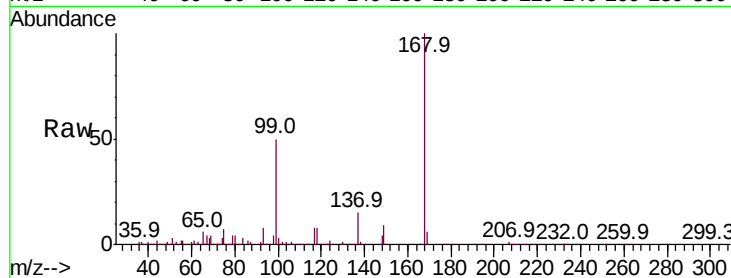
VSTDIC020

Tot Ion:168 Resp: 484423

Ion Ratio Lower Upper

168 100

99 49.8 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

150000

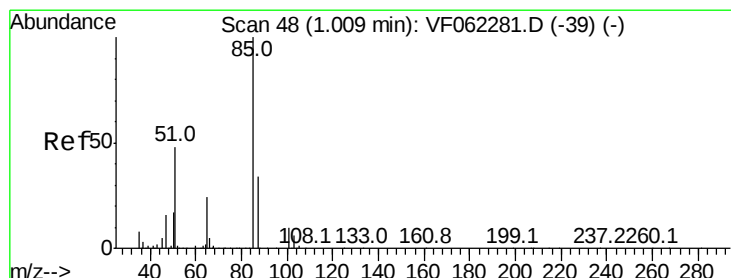
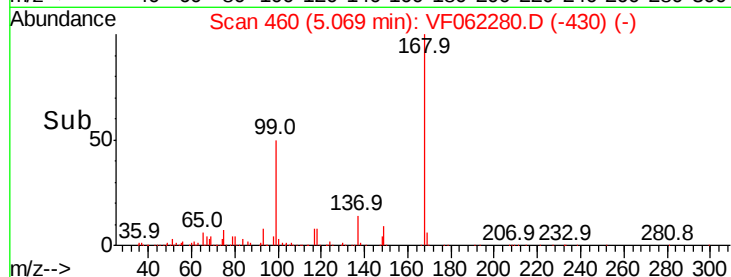
100000

50000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 20.467 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062280.D

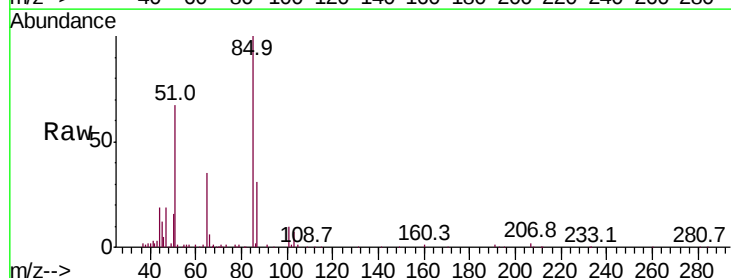
Acq: 24 Apr 2019 14:45

Tgt Ion: 85 Resp: 122662

Ion Ratio Lower Upper

85 100

87 31.2 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

30000

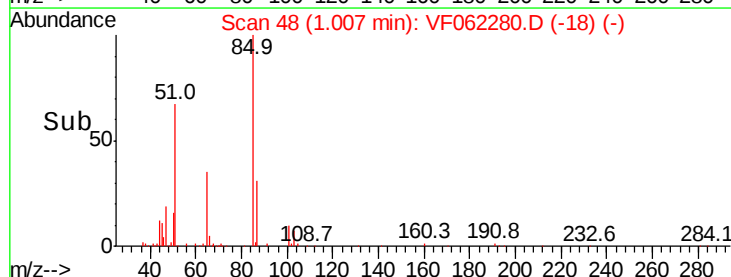
20000

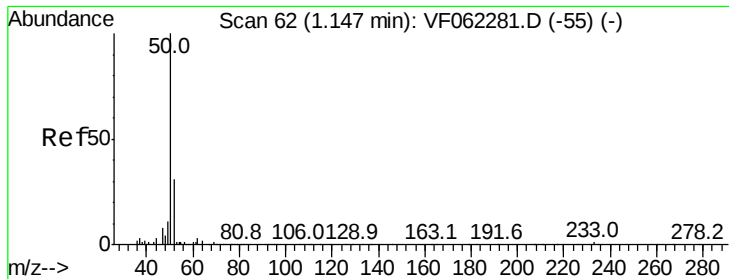
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.835 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

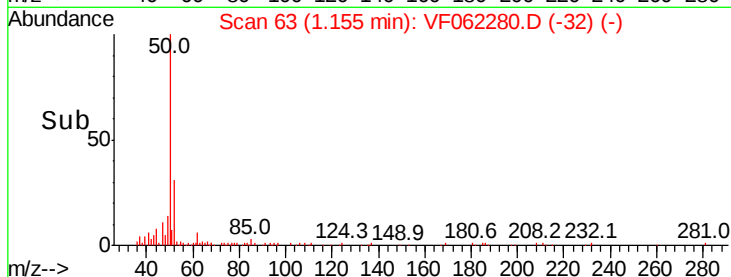
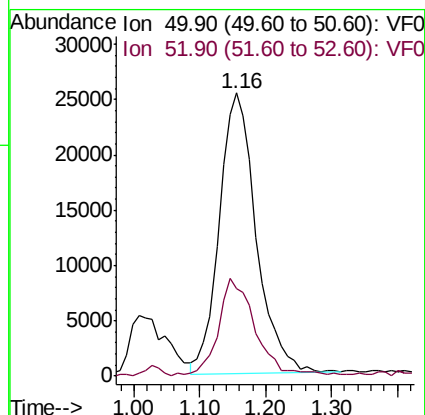
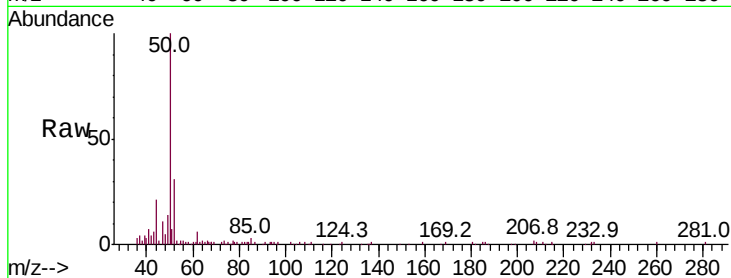
VSTDIC020

Tot Ion: 50 Resp: 99554

Ion Ratio Lower Upper

50 100

52 30.8 24.2 36.4



#4

Vinyl Chloride

Concen: 20.067 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062280.D

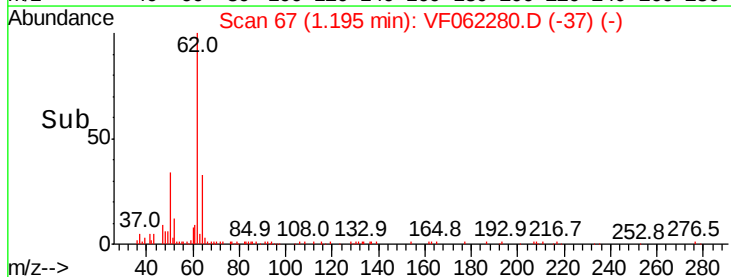
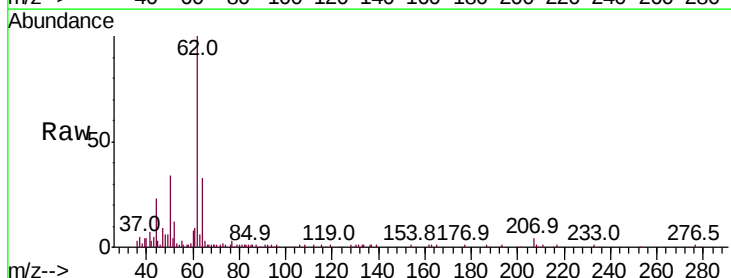
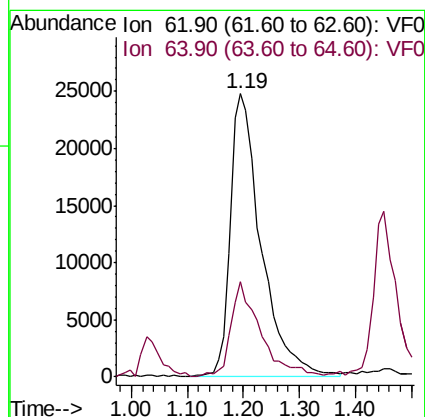
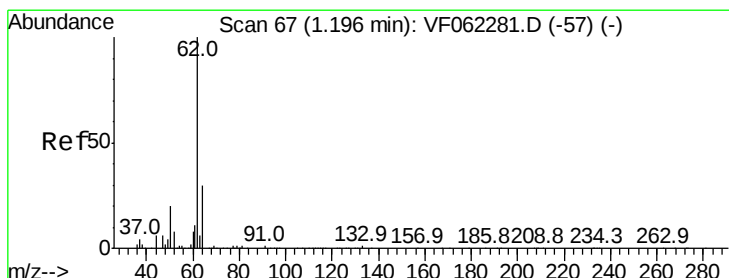
Acq: 24 Apr 2019 14:45

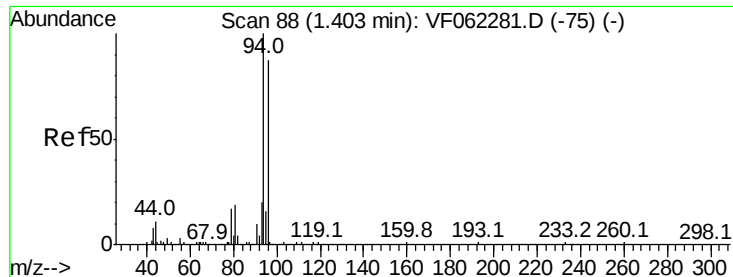
Tgt Ion: 62 Resp: 94483

Ion Ratio Lower Upper

62 100

64 33.5 24.3 36.5





#5

Bromomethane

Concen: 17.566 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

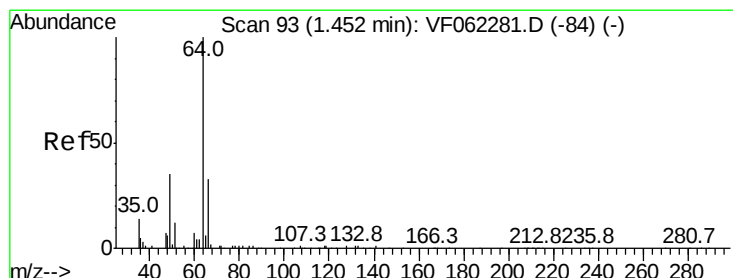
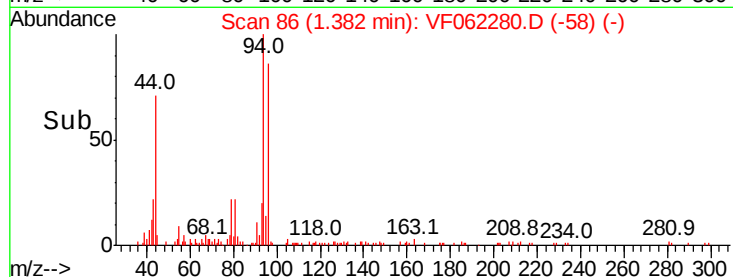
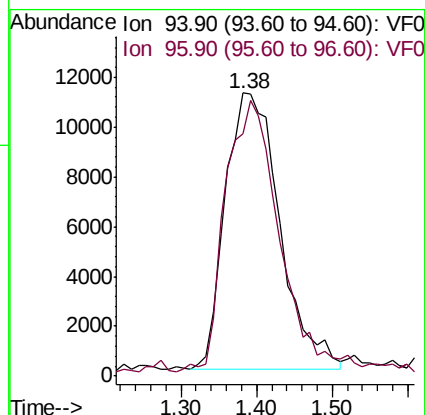
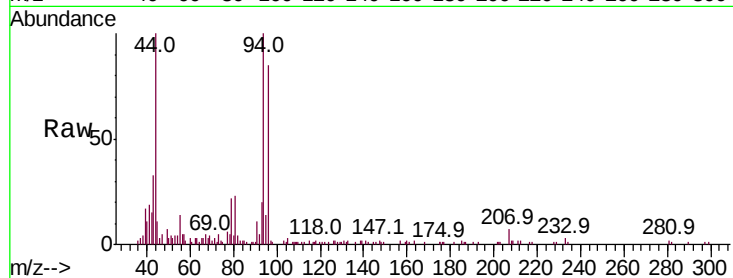
VSTDIC020

Tot Ion: 94 Resp: 55825

Ion Ratio Lower Upper

94 100

96 83.2 69.5 104.3



#6

Chloroethane

Concen: 19.834 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.00 min

Lab File: VF062280.D

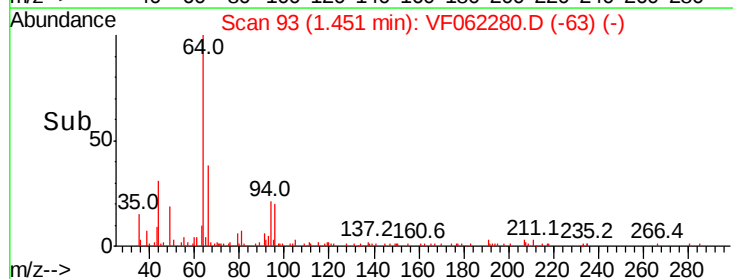
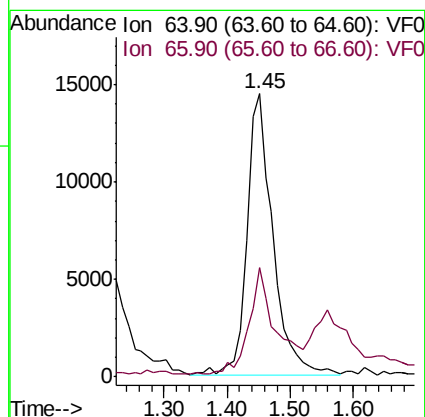
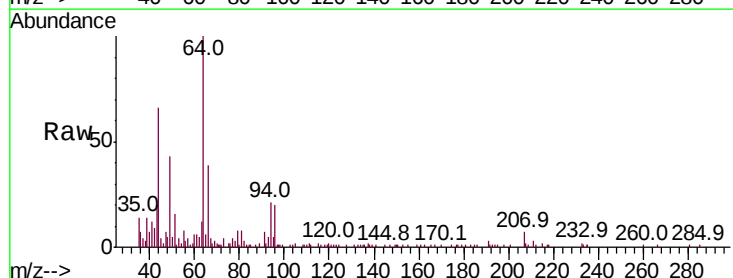
Acq: 24 Apr 2019 14:45

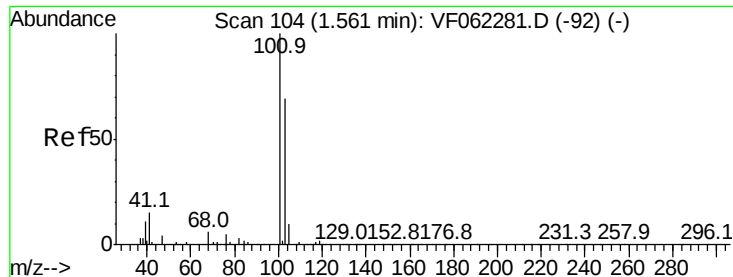
Tgt Ion: 64 Resp: 40918

Ion Ratio Lower Upper

64 100

66 38.1 26.0 39.0



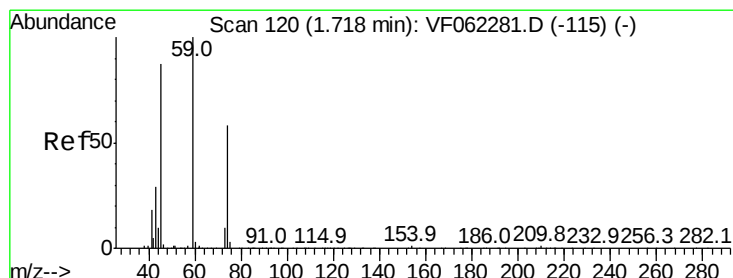
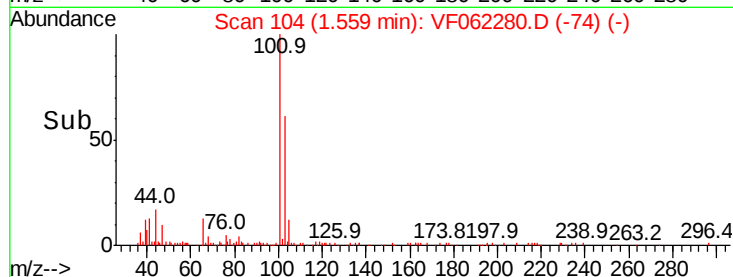
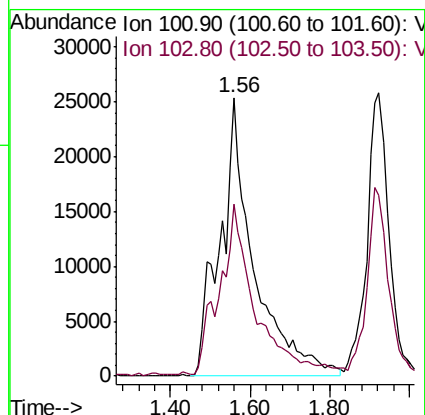
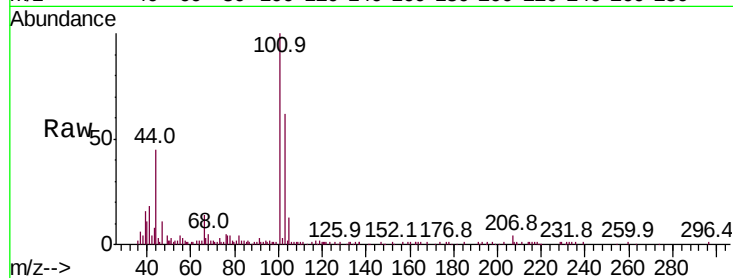


#7

Trichlorofluoromethane
Concen: 20.230 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

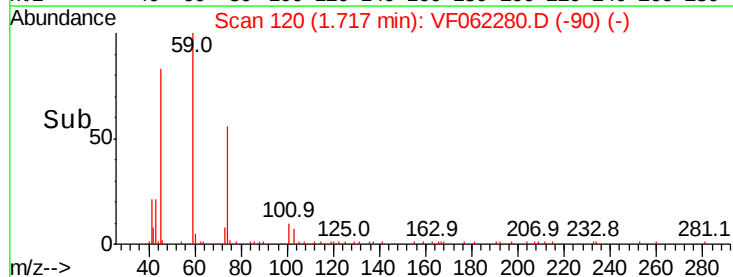
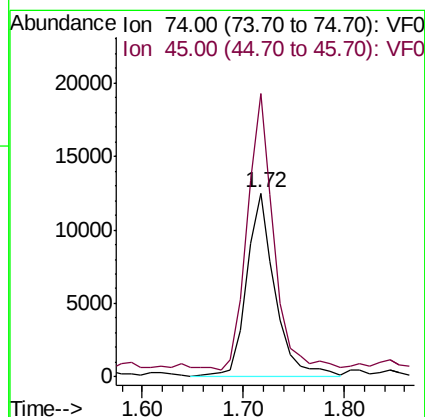
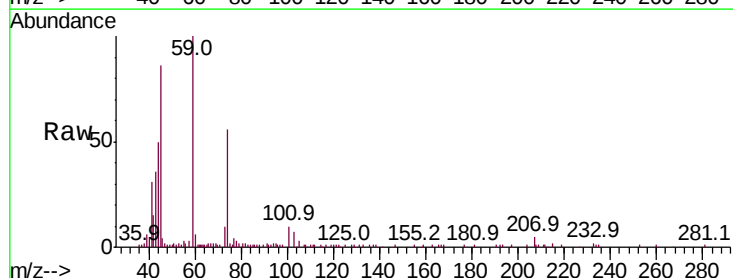
Tot Ion:101 Resp: 150261
Ion Ratio Lower Upper
101 100
103 61.1 55.0 82.6

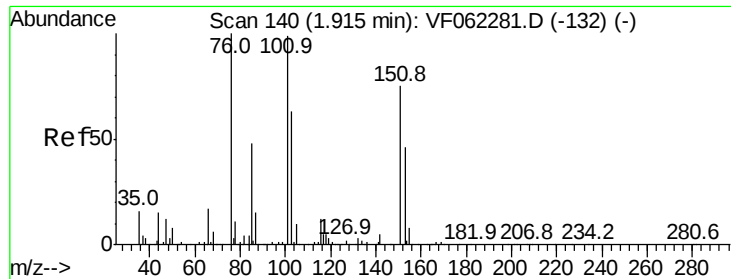


#8

Diethyl Ether
Concen: 18.382 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion: 74 Resp: 24538
Ion Ratio Lower Upper
74 100
45 139.0 74.0 222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.028 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

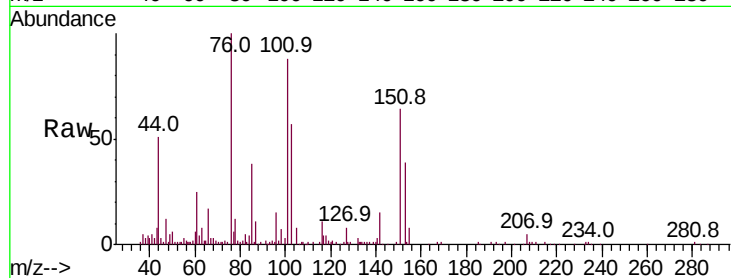
Tot Ion:101 Resp: 93241

Ion Ratio Lower Upper

101 100

85 47.3 36.5 54.7

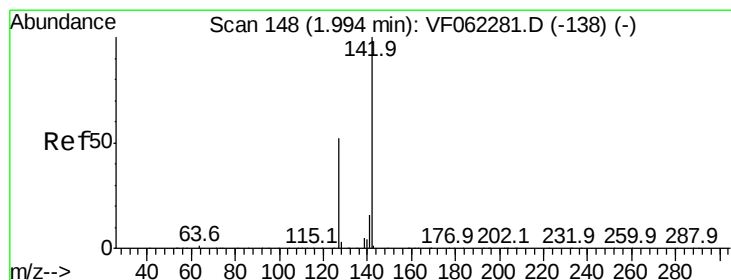
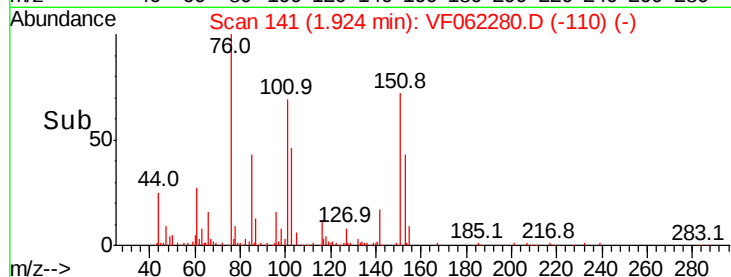
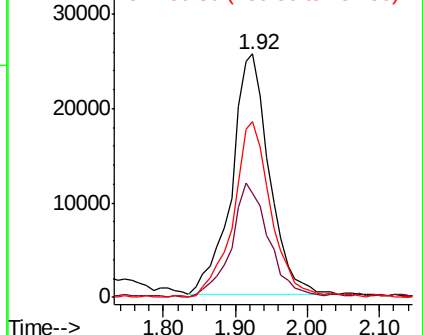
151 73.7 59.2 88.8



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: 20.044 ug/l

RT: 1.99 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

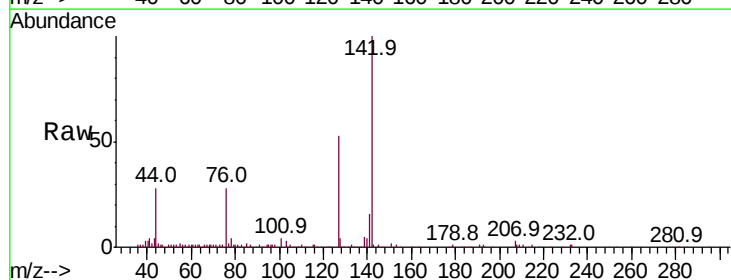
Tgt Ion:142 Resp: 162432

Ion Ratio Lower Upper

142 100

127 45.1 43.0 64.4

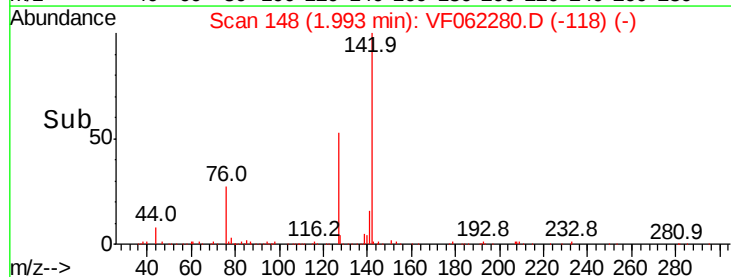
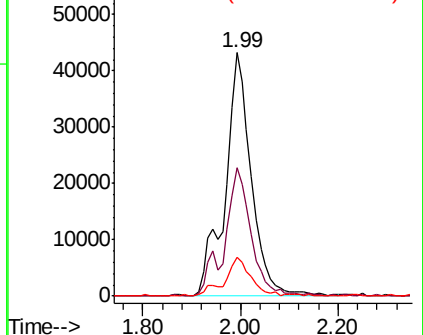
141 15.7 12.3 18.5

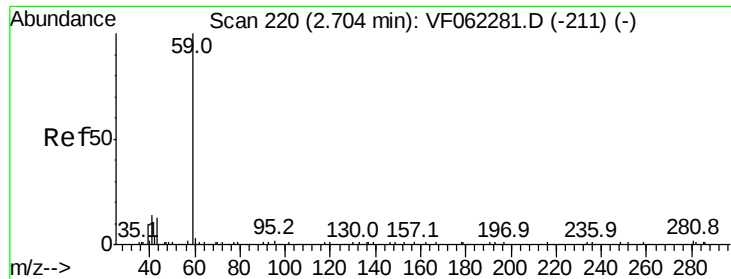


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

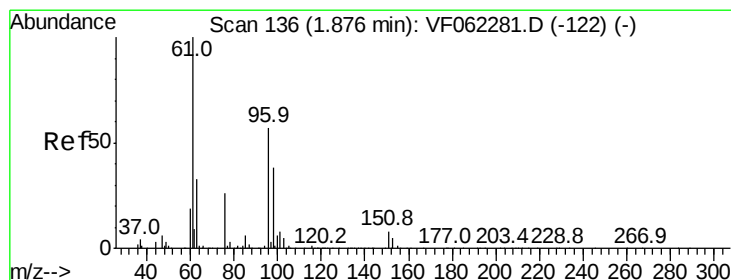
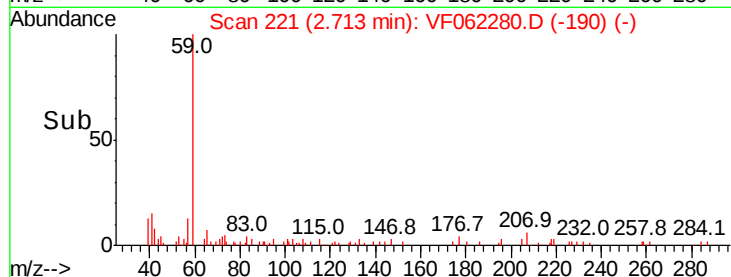
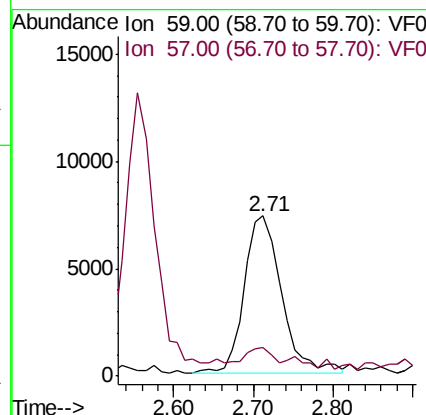
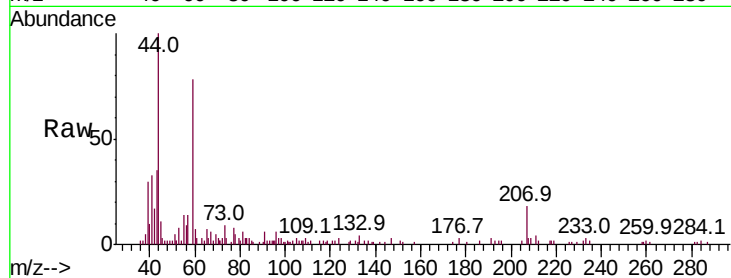




#11
Tert butyl alcohol
Concen: 101.910 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

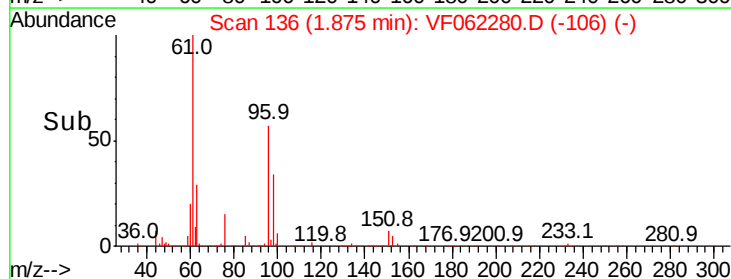
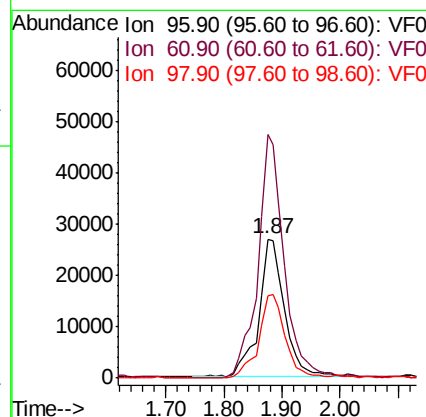
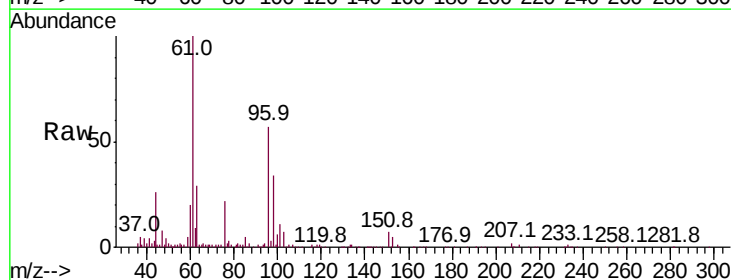
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

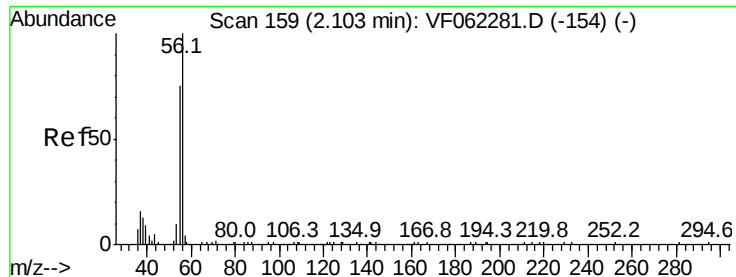
Tot Ion: 59 Resp: 23835
Ion Ratio Lower Upper
59 100
57 5.6 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 19.650 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion: 96 Resp: 83945
Ion Ratio Lower Upper
96 100
61 176.5 141.1 211.7
98 59.6 53.4 80.0





#13

Acrolein

Concen: 61.724 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

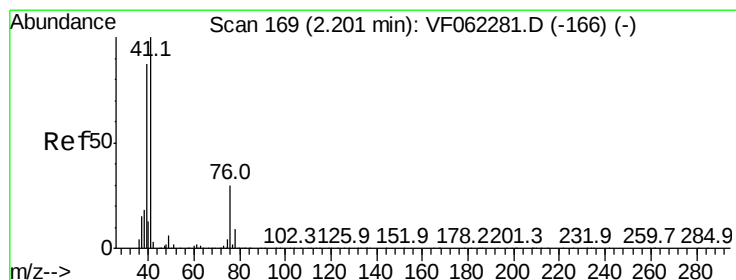
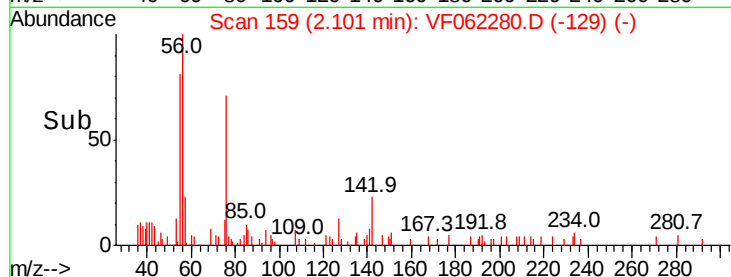
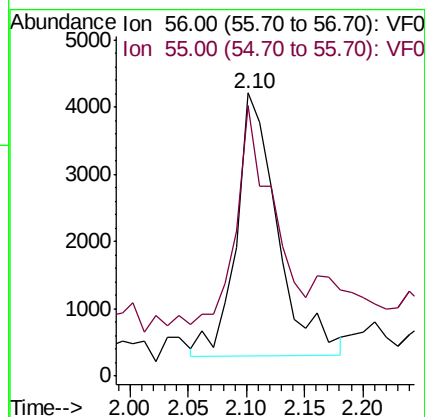
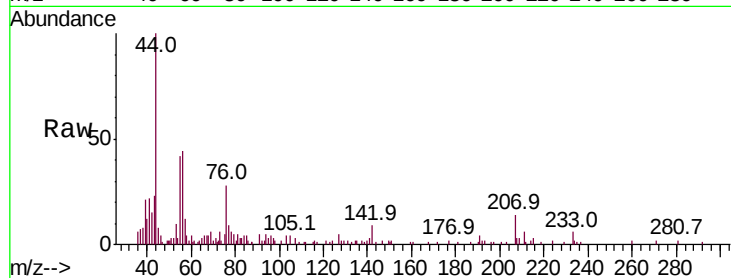
VSTDIC020

Tot Ion: 56 Resp: 9561

Ion Ratio Lower Upper

56 100

55 73.0 62.3 93.5



#14

Allyl chloride

Concen: 14.288 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

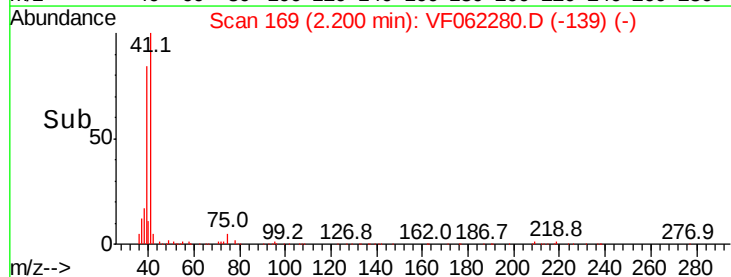
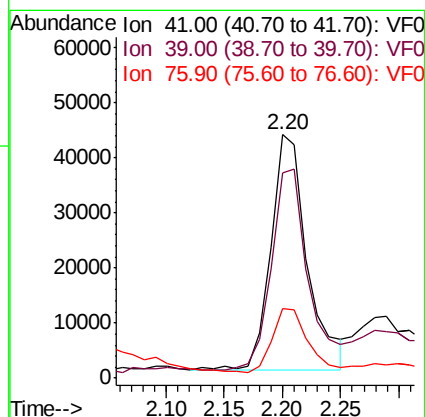
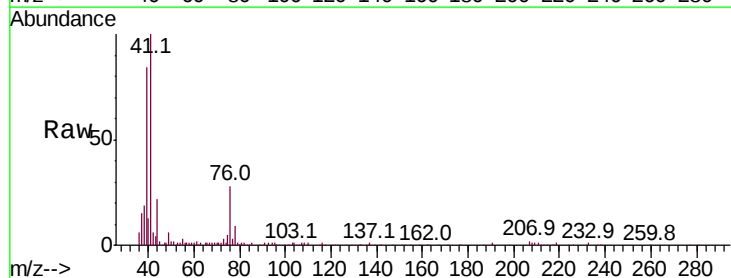
Tgt Ion: 41 Resp: 92027

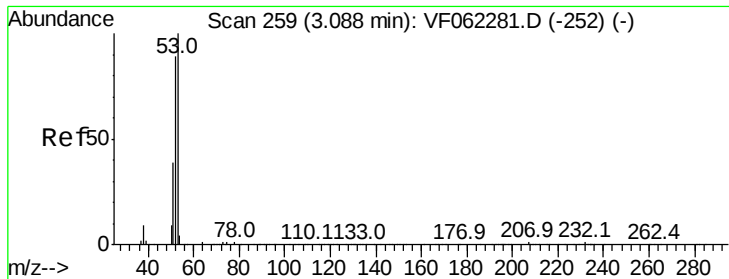
Ion Ratio Lower Upper

41 100

39 87.6 50.3 75.5#

76 26.3 14.8 22.2#





#15

Acrylonitrile

Concen: 102.290 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

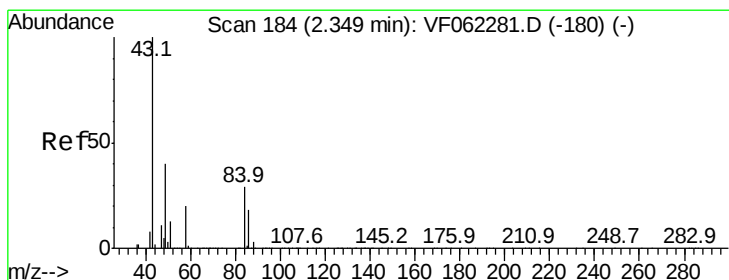
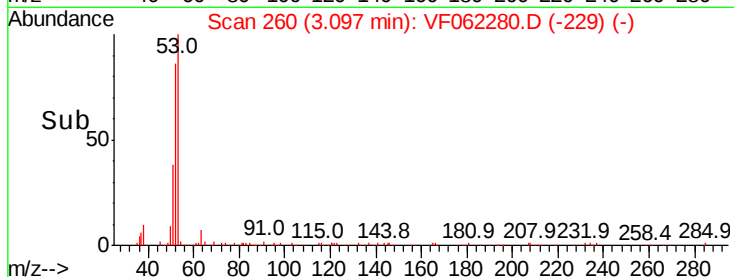
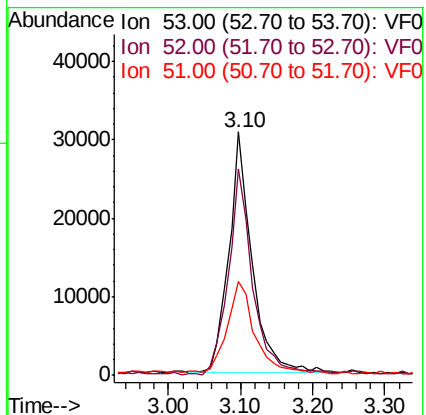
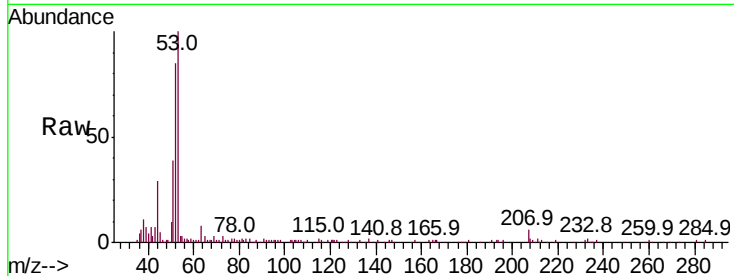
Tot Ion: 53 Resp: 69192

Ion Ratio Lower Upper

53 100

52 87.5 70.6 105.8

51 46.1 32.6 48.8



#16

Acetone

Concen: 91.623 ug/l

RT: 2.36 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF062280.D

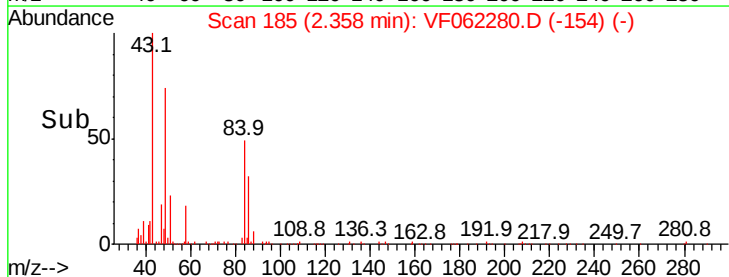
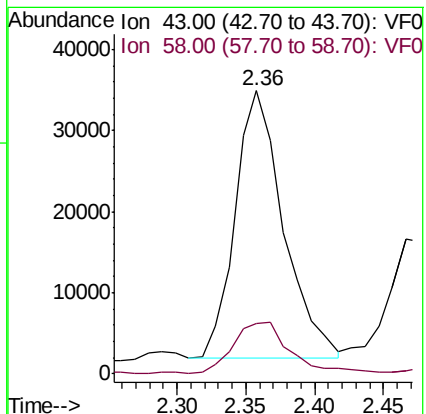
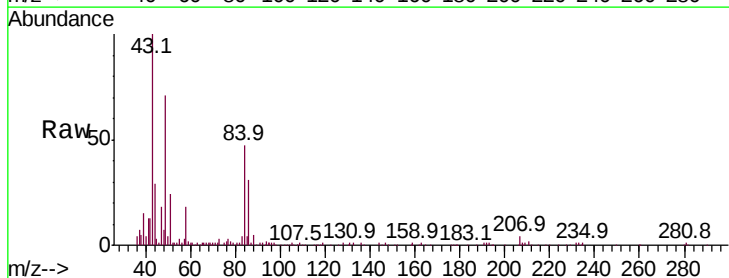
Acq: 24 Apr 2019 14:45

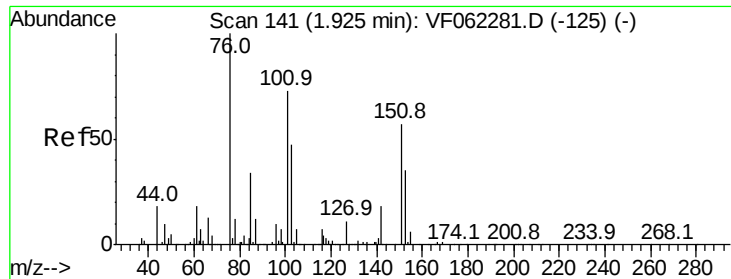
Tgt Ion: 43 Resp: 80411

Ion Ratio Lower Upper

43 100

58 18.6 16.4 24.6

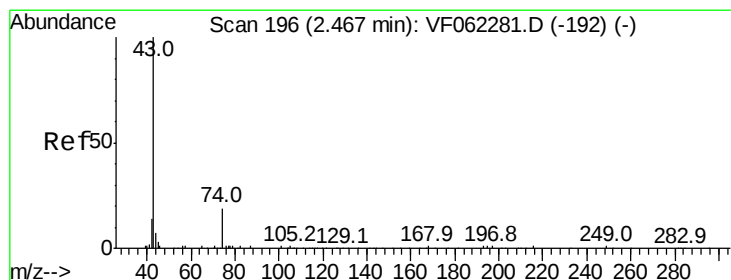
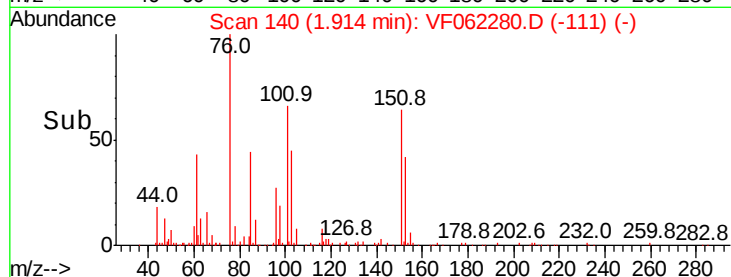
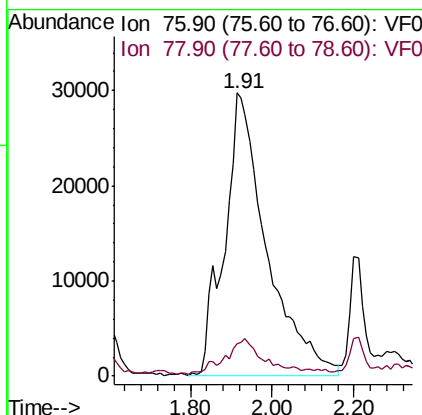
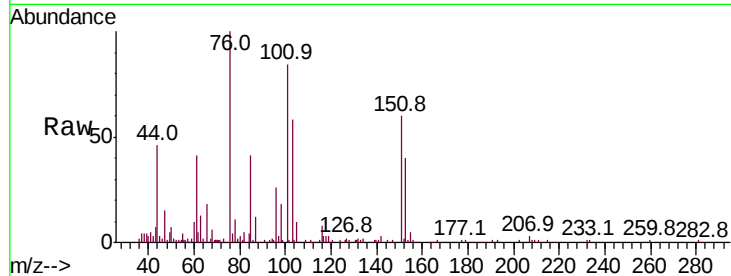




#17
Carbon Disulfide
Concen: 19.347 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

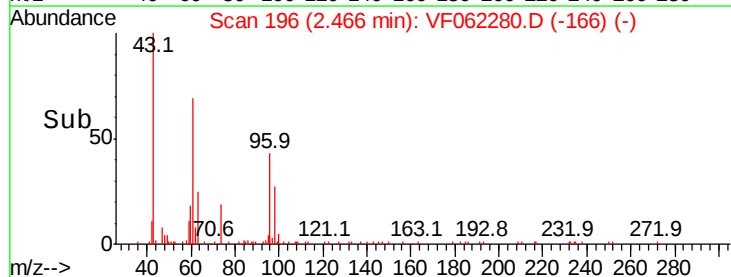
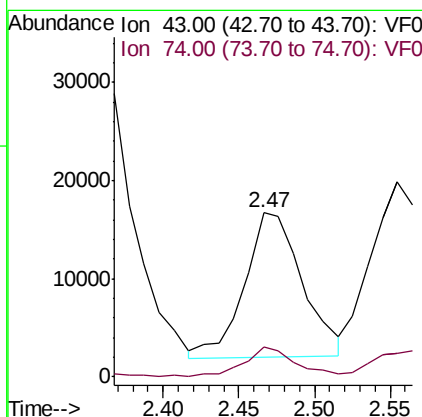
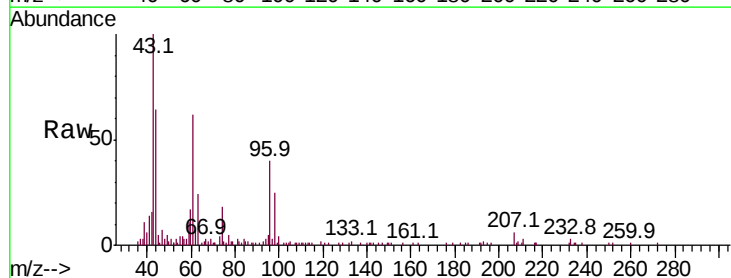
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

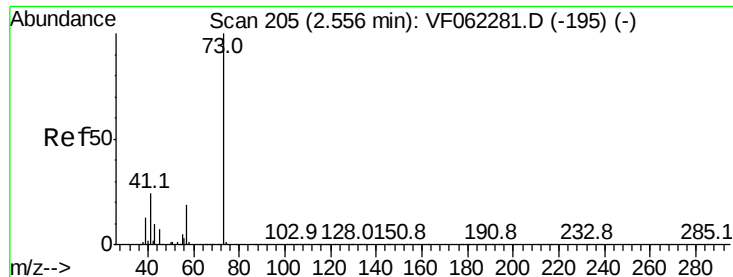
Tot Ion: 76 Resp: 214309
Ion Ratio Lower Upper
76 100
78 10.6 9.8 14.8



#18
Methyl Acetate
Concen: 18.059 ug/l
RT: 2.47 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion: 43 Resp: 39297
Ion Ratio Lower Upper
43 100
74 18.7 14.4 21.6





#19

Methyl tert-butyl Ether

Concen: 20.387 ug/l

RT: 2.55 min Scan# 205

Delta R.T. -0.00 min

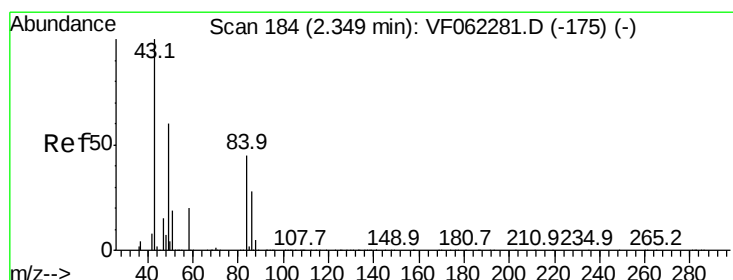
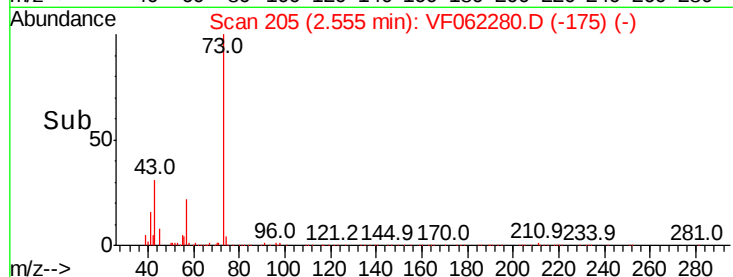
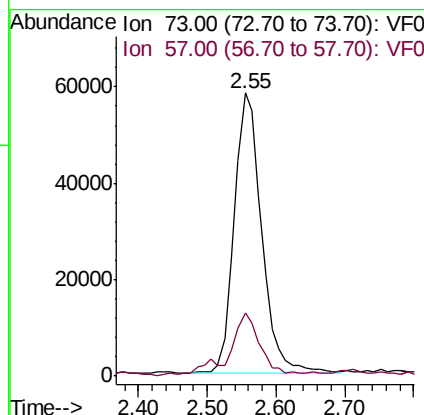
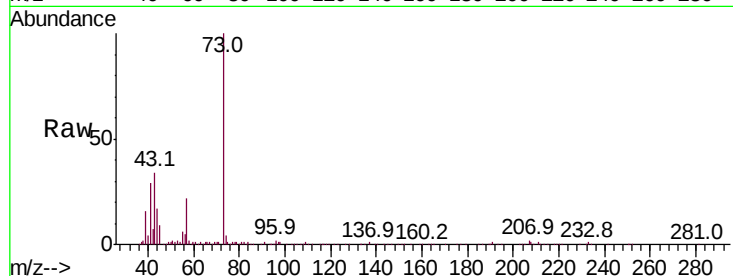
Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 73 Resp: 160467

Ion	Ratio	Lower	Upper
73	100		
57	21.5	15.5	23.3



#20

Methylene Chloride

Concen: 10.978 ug/l

RT: 2.35 min Scan# 184

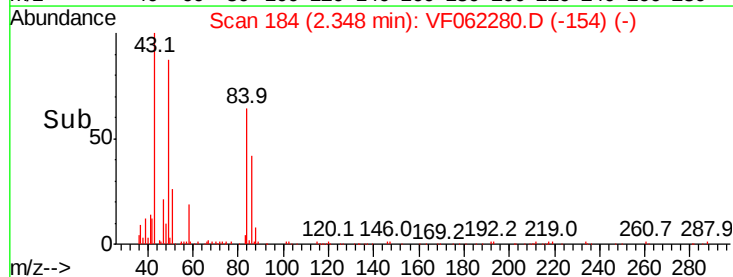
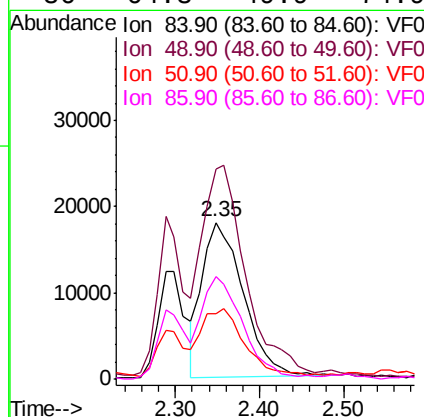
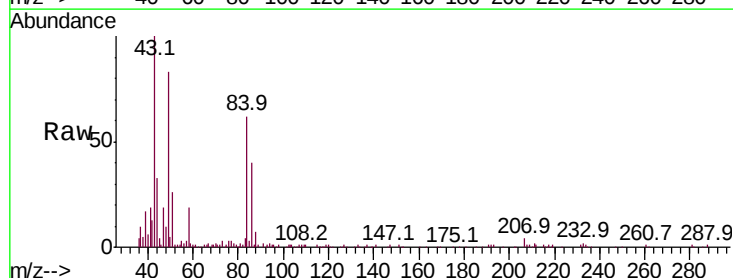
Delta R.T. -0.00 min

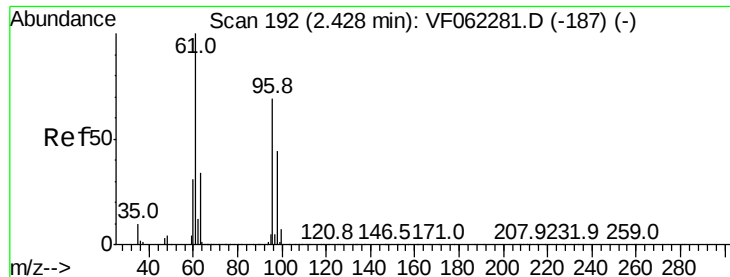
Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion: 84 Resp: 60952

Ion	Ratio	Lower	Upper
84	100		
49	133.4	112.1	168.1
51	40.2	35.9	53.9
86	64.3	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 20.054 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

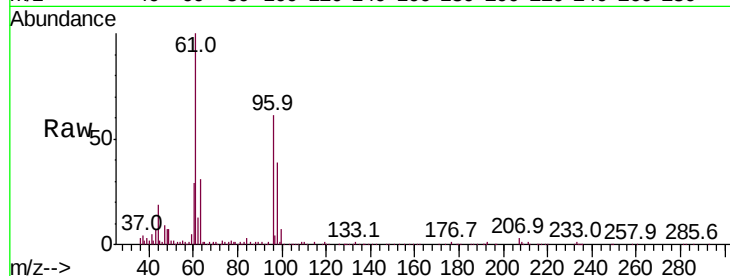
Tot Ion: 96 Resp: 82285

Ion Ratio Lower Upper

96 100

61 163.4 116.2 174.2

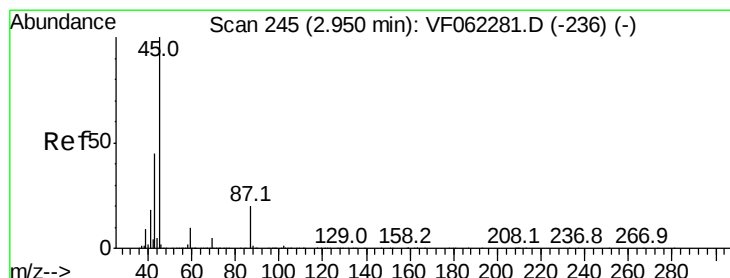
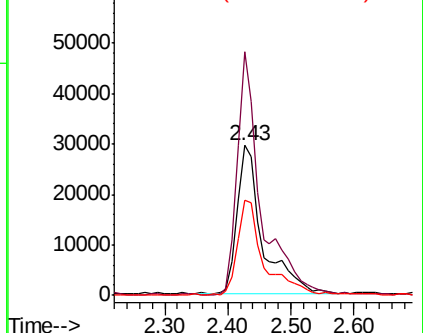
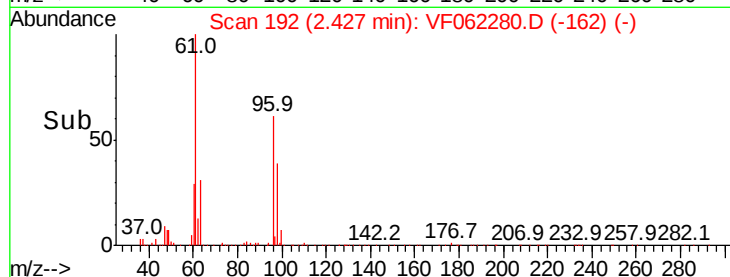
98 64.2 51.4 77.0



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: 19.722 ug/l

RT: 2.95 min Scan# 245

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion: 45 Resp: 241776

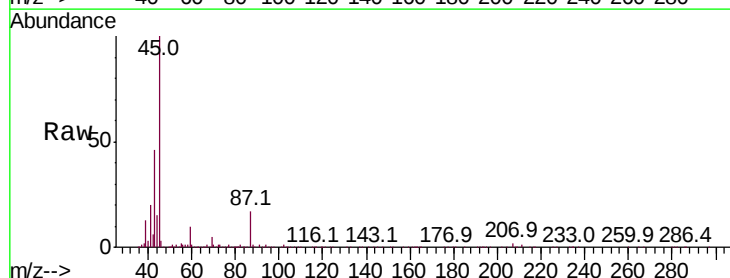
Ion Ratio Lower Upper

45 100

43 45.5 36.2 54.2

87 16.9 15.8 23.6

59 10.4 7.8 11.8

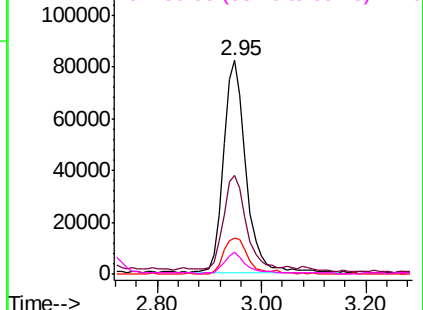
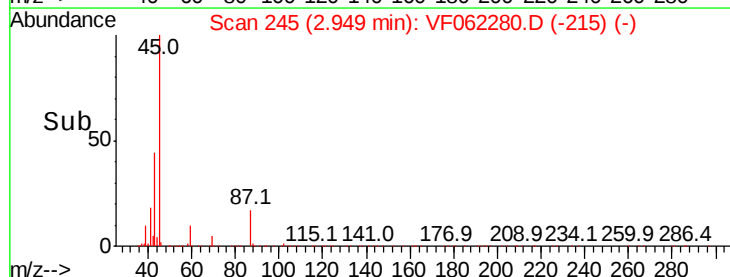


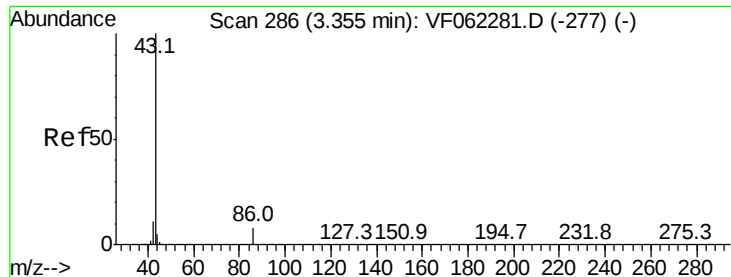
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 100.993 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

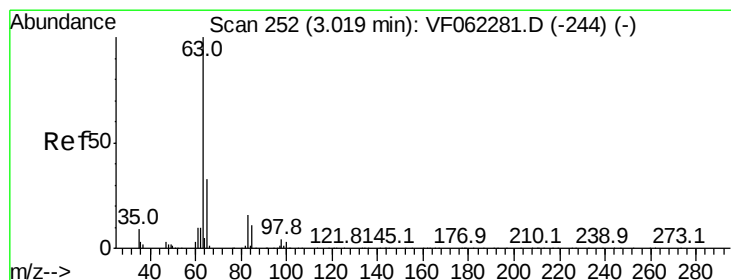
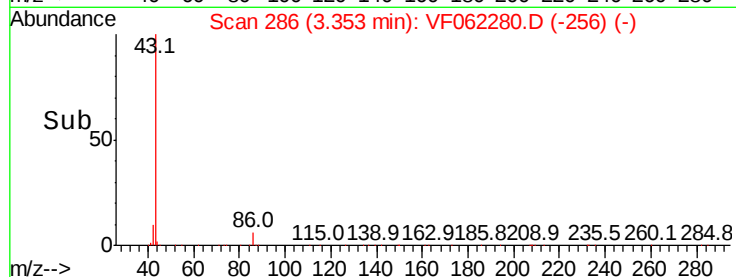
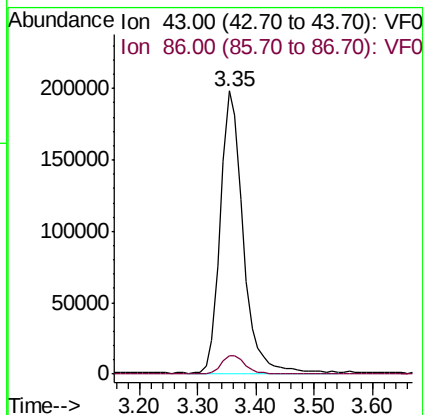
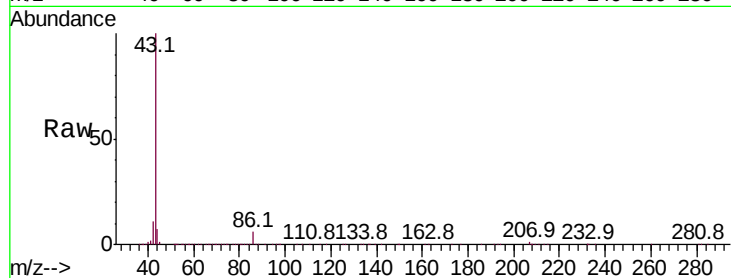
VSTDIC020

Tot Ion: 43 Resp: 536386

Ion Ratio Lower Upper

43 100

86 6.4 6.0 9.0



#24

1,1-Dichloroethane

Concen: 20.520 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

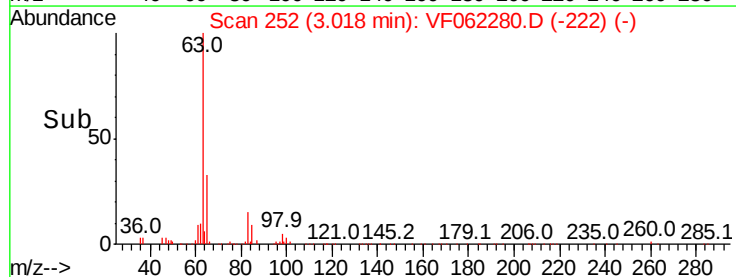
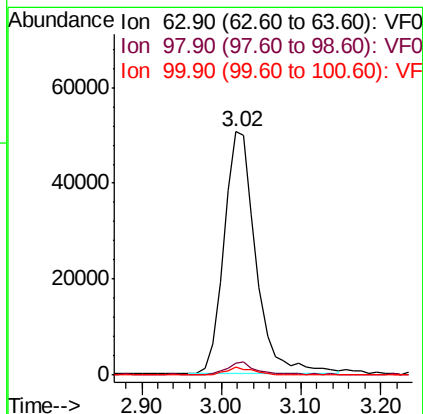
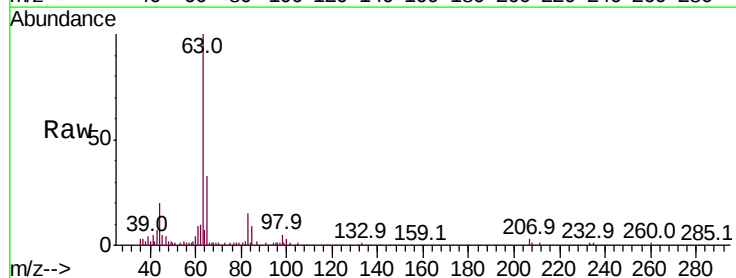
Tgt Ion: 63 Resp: 141118

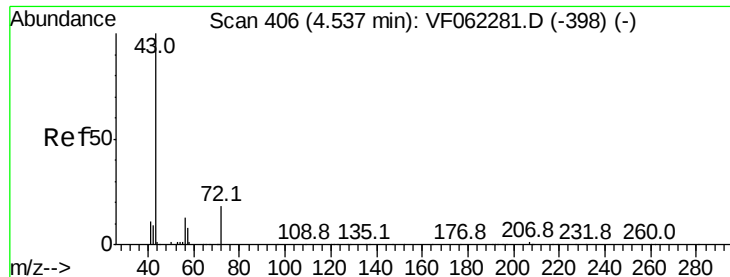
Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.2

100 3.0 1.5 4.5





#25

2-Butanone

Concen: 98.726 ug/l

RT: 4.54 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

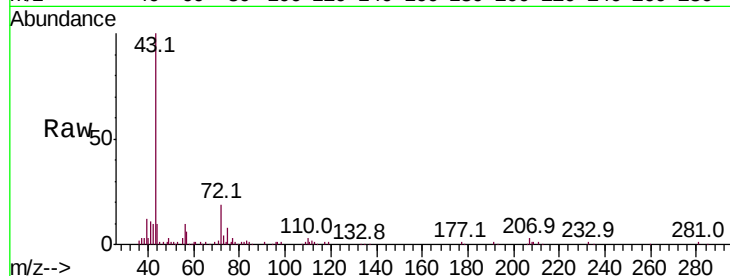
VSTDIC020

Tot Ion: 43 Resp: 137324

Ion Ratio Lower Upper

43 100

72 18.1 15.8 23.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.54

40000

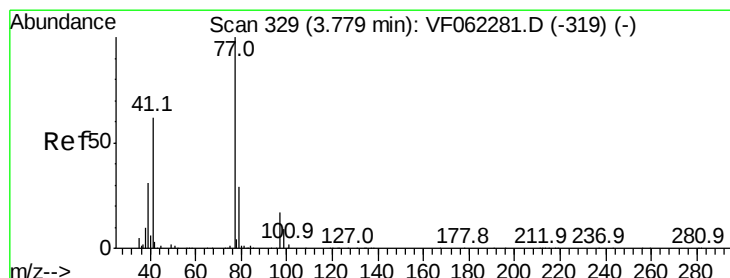
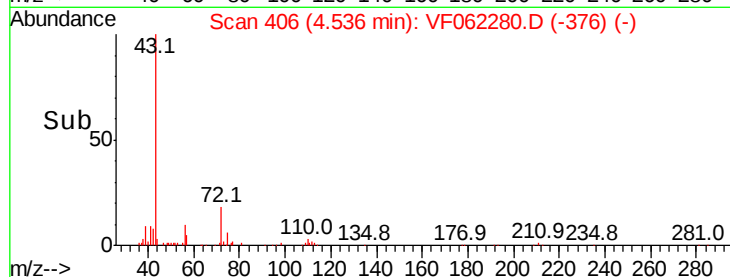
30000

20000

10000

0

Time--> 4.40 4.50 4.60 4.70



#26

2,2-Dichloropropane

Concen: 20.038 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062280.D

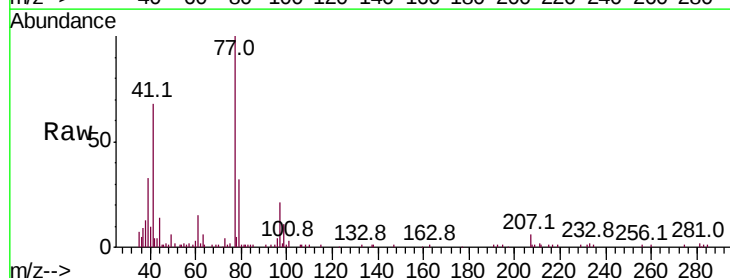
Acq: 24 Apr 2019 14:45

Tgt Ion: 77 Resp: 71972

Ion Ratio Lower Upper

77 100

97 20.2 10.3 30.8



Abundance Ion 76.90 (76.60 to 77.60): VF0

Ion 96.90 (96.60 to 97.60): VF0

25000

20000

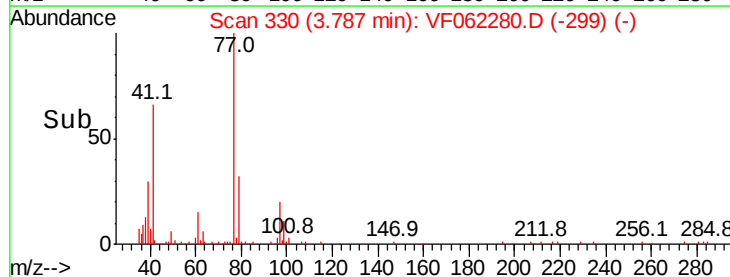
15000

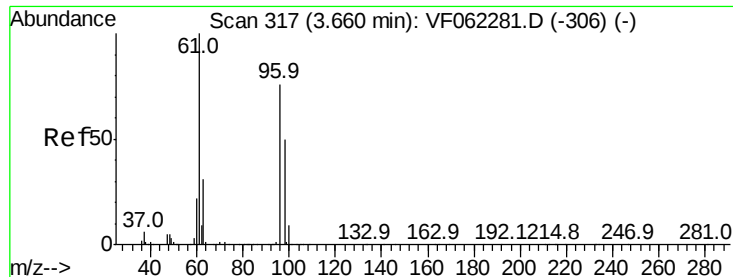
10000

5000

0

Time--> 3.60 3.70 3.80 3.90



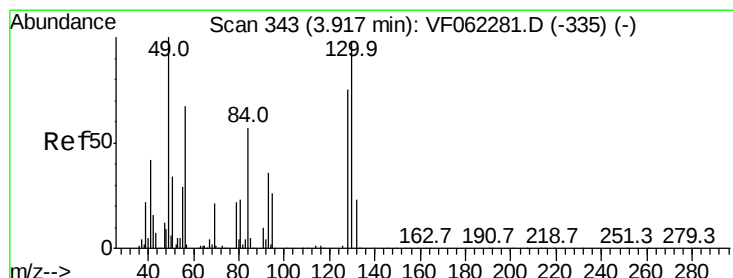
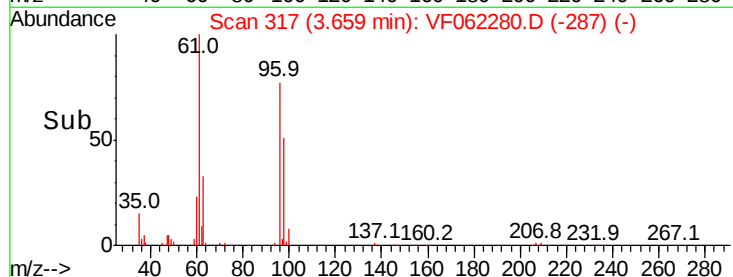
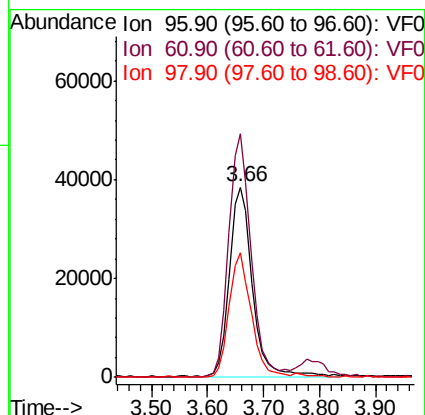
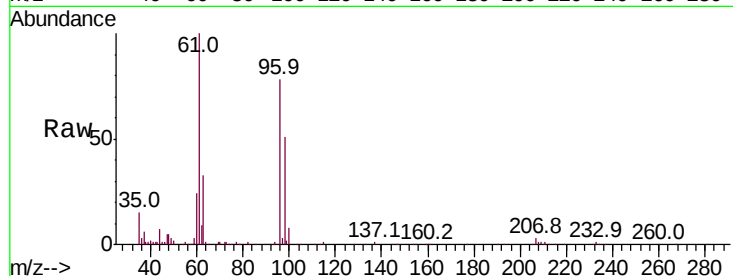


#27

cis-1,2-Dichloroethene
Concen: 20.829 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

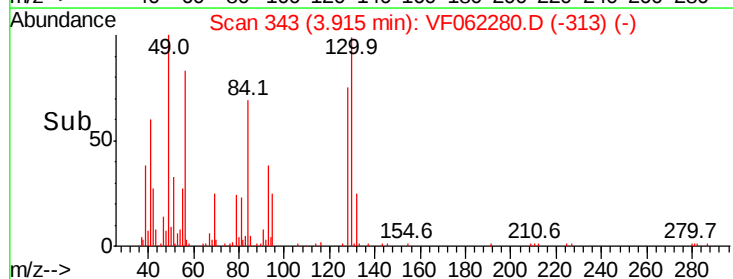
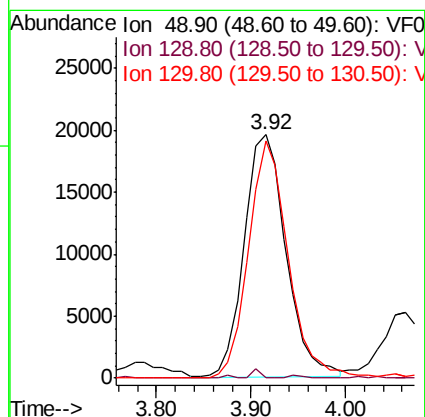
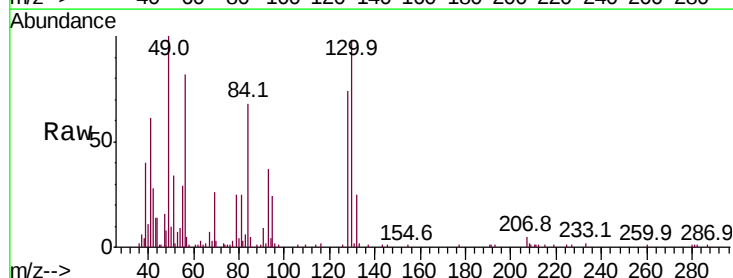
Tot Ion	96	Resp	109326
Ion	Ratio	Lower	Upper
96	100		
61	124.3	0.0	257.6
98	63.2	0.0	137.4

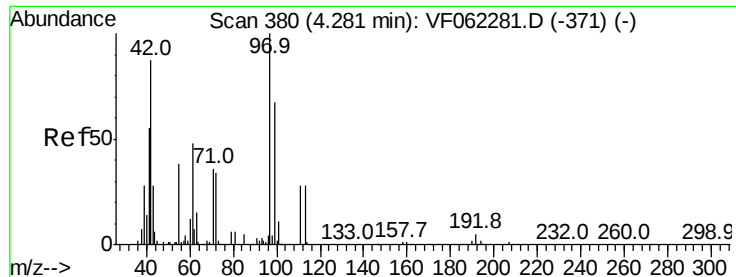


#28

Bromochloromethane
Concen: 20.035 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	49	Resp	60256
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	0.0#
130	92.9	77.0	115.4





#29

Tetrahydrofuran

Concen: 93.230 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

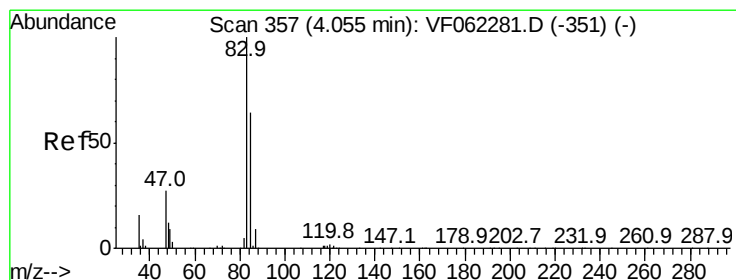
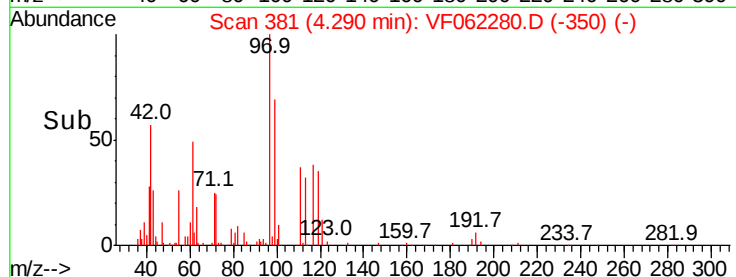
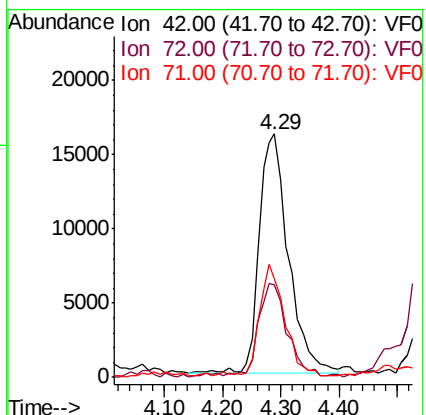
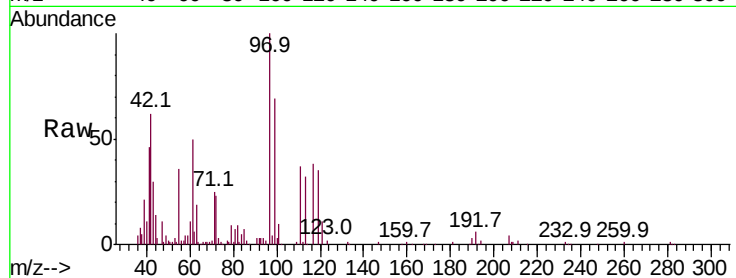
Tot Ion: 42 Resp: 56522

Ion Ratio Lower Upper

42 100

72 37.3 29.3 43.9

71 39.4 31.2 46.8



#30

Chloroform

Concen: 20.814 ug/l

RT: 4.06 min Scan# 358

Delta R.T. 0.01 min

Lab File: VF062280.D

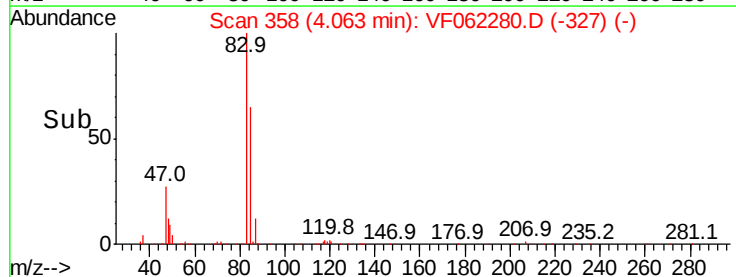
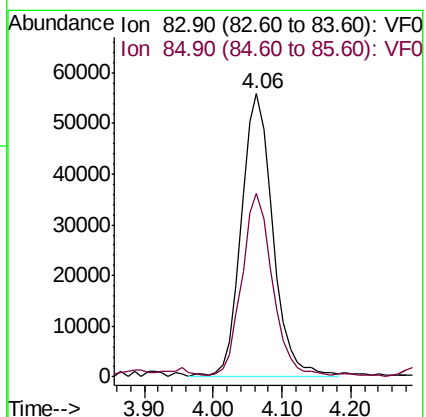
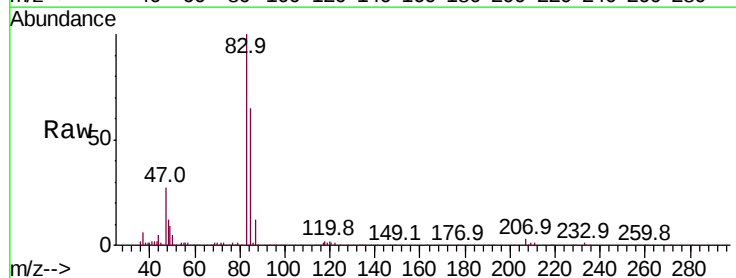
Acq: 24 Apr 2019 14:45

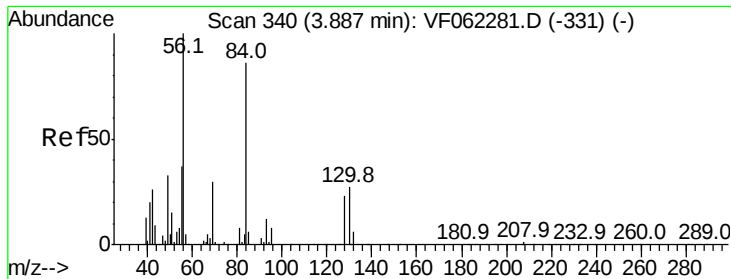
Tgt Ion: 83 Resp: 178538

Ion Ratio Lower Upper

83 100

85 63.8 51.1 76.7

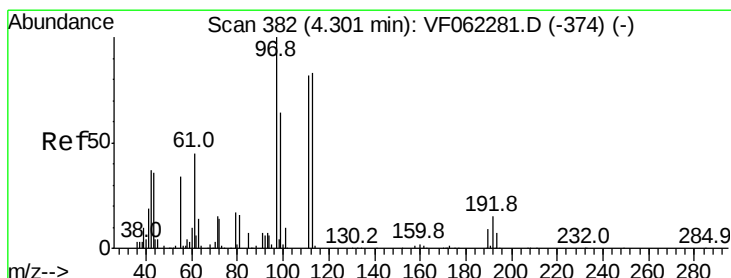
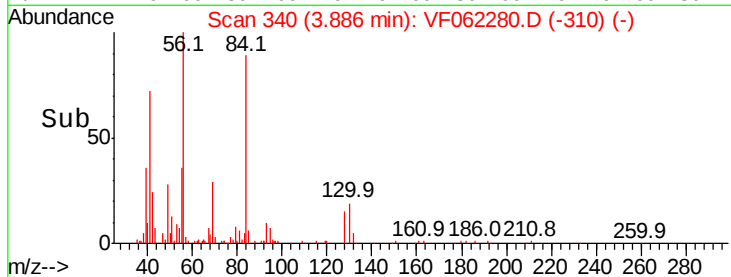
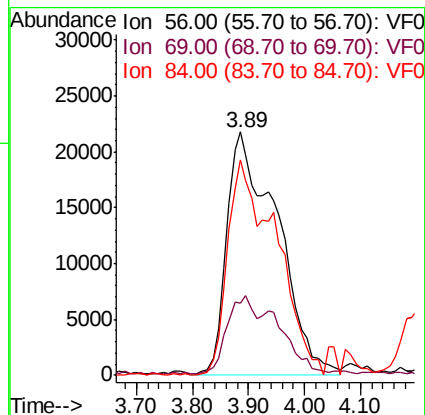
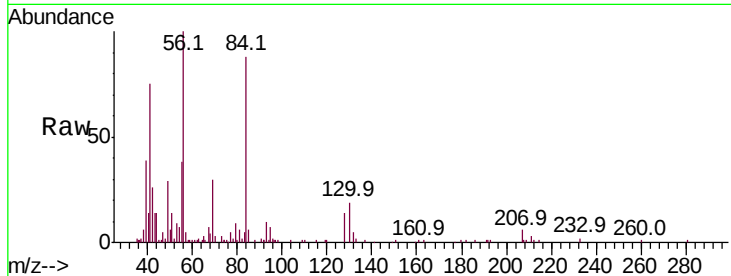




#31
Cyclohexane
Concen: 20.416 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

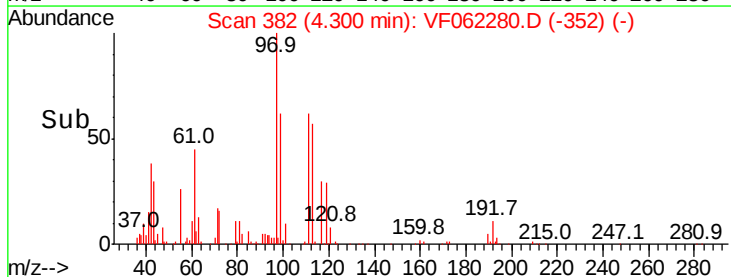
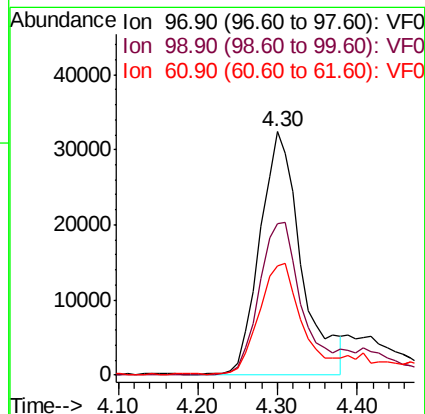
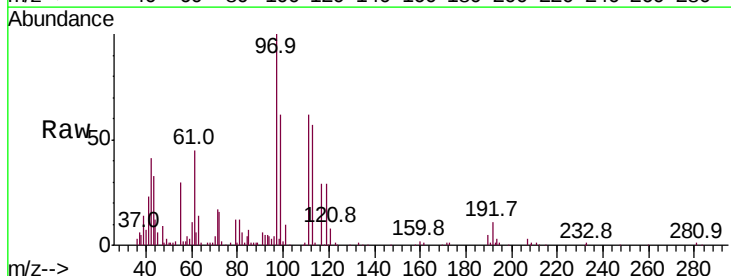
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

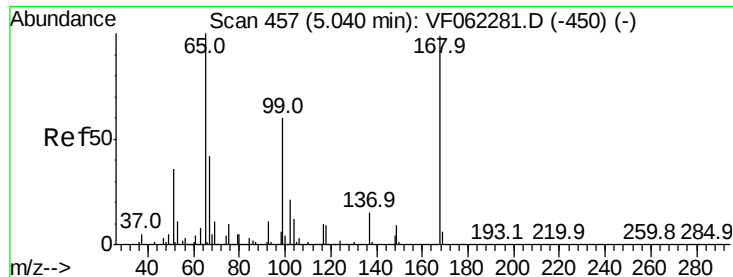
Tot Ion: 56 Resp: 135814
Ion Ratio Lower Upper
56 100
69 29.0 24.3 36.5
84 88.4 68.5 102.7



#32
1,1,1-Trichloroethane
Concen: 18.329 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion: 97 Resp: 117086
Ion Ratio Lower Upper
97 100
99 63.4 41.6 62.4#
61 48.2 31.6 47.4#





#33

1,2-Dichloroethane-d4

Concen: 18.374 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

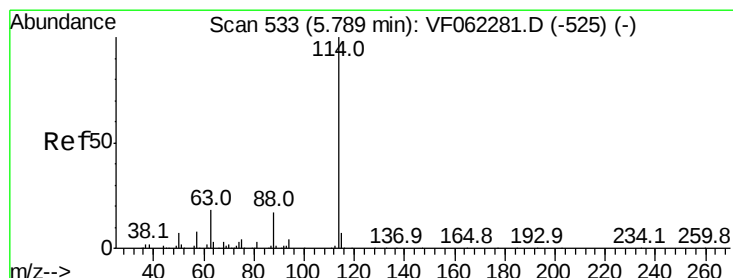
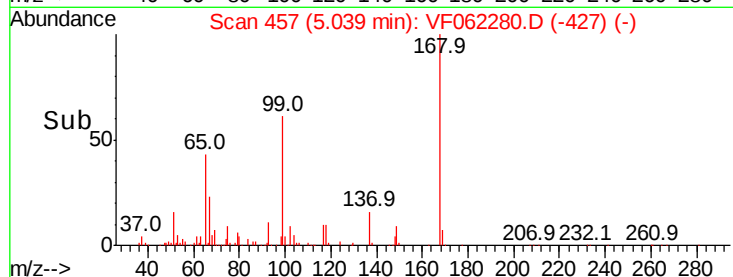
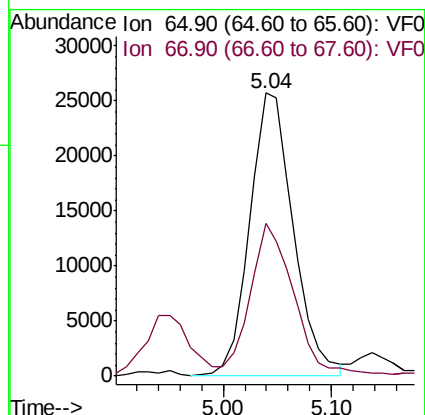
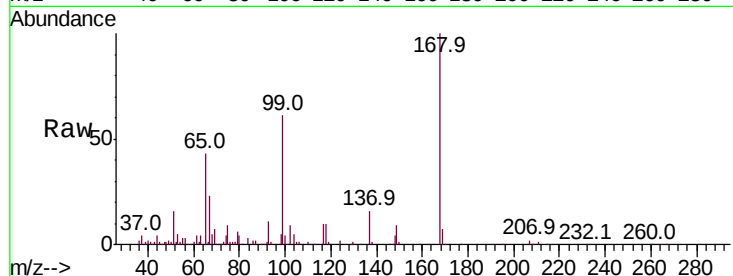
VSTDIC020

Tot Ion: 65 Resp: 72175

Ion Ratio Lower Upper

65 100

67 52.0 0.0 98.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

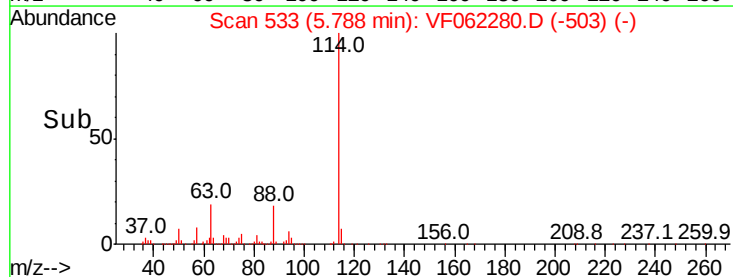
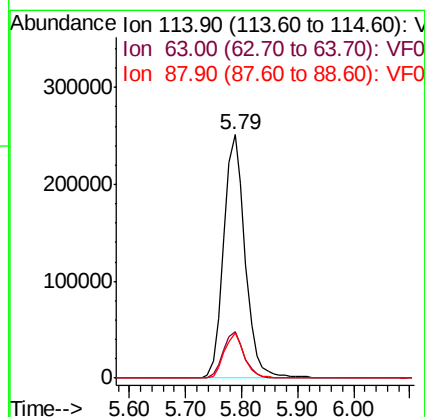
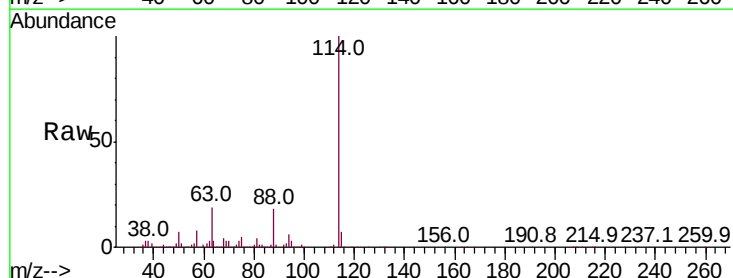
Tgt Ion: 114 Resp: 671608

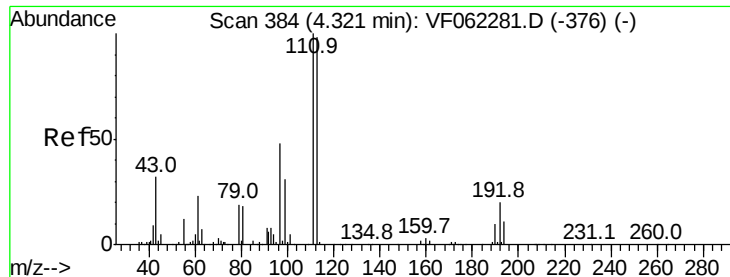
Ion Ratio Lower Upper

114 100

63 18.8 0.0 35.6

88 18.3 0.0 34.6





#35

Dibromofluoromethane

Concen: 18.557 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

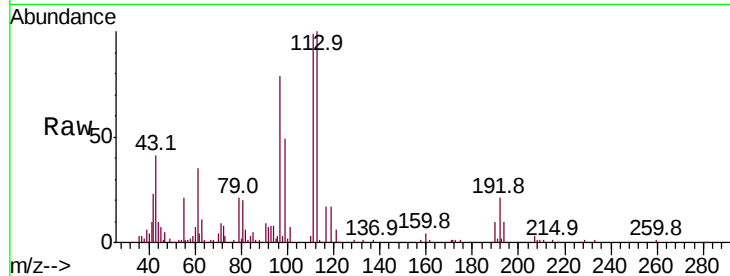
Tot Ion:113 Resp: 94852

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.2

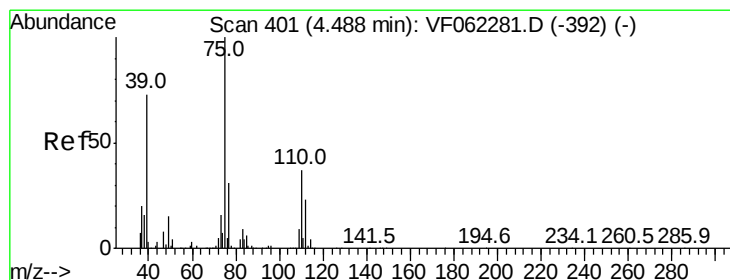
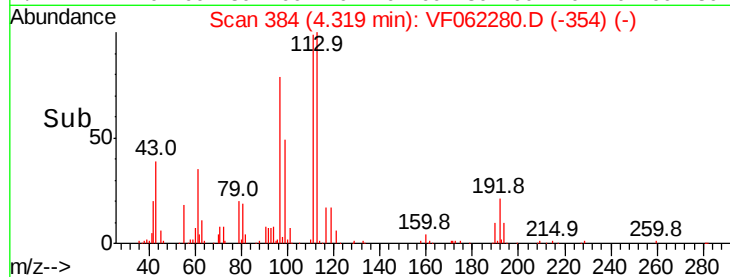
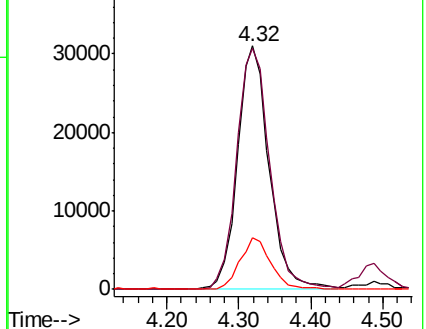
192 20.9 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 19.887 ug/l

RT: 4.49 min Scan# 401

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

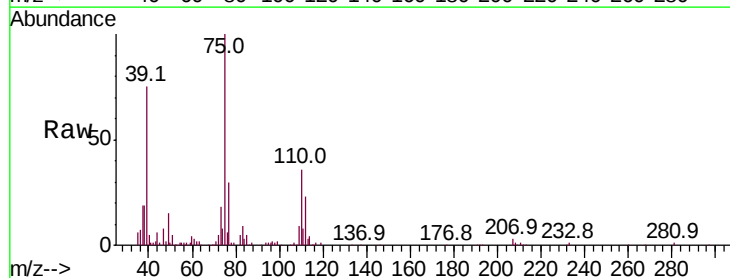
Tgt Ion: 75 Resp: 126855

Ion Ratio Lower Upper

75 100

110 37.4 17.9 53.8

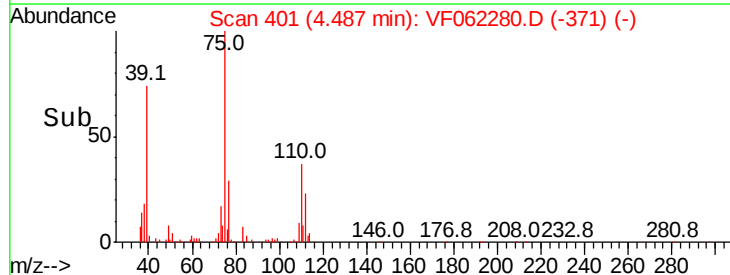
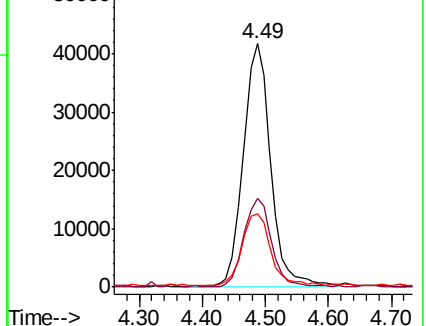
77 31.2 24.6 36.8

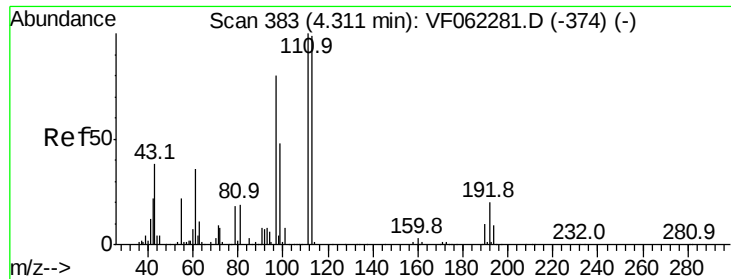


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VF0

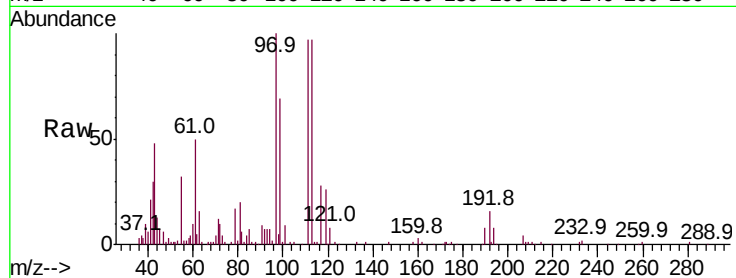




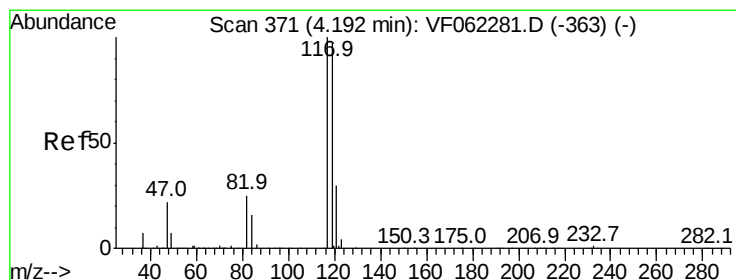
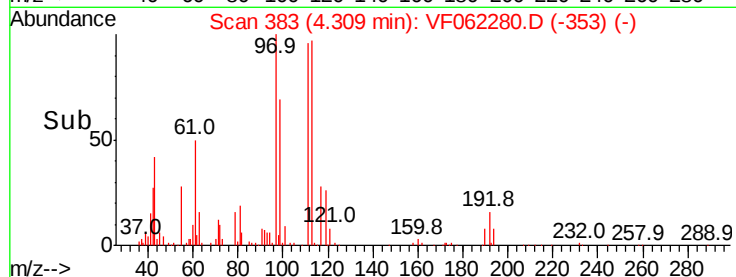
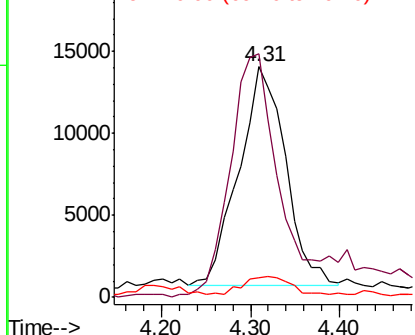
#37
Ethyl Acetate
Concen: 18.479 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 48397
Ion Ratio Lower Upper
43 100
61 116.6 85.8 128.6
70 10.7 7.3 10.9

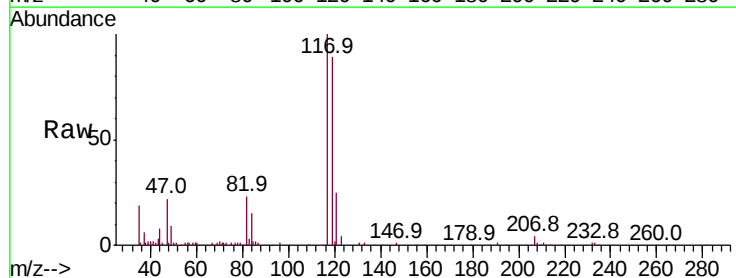


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 60.90 (60.60 to 61.60): VF0
Ion 70.00 (69.70 to 70.70): VF0

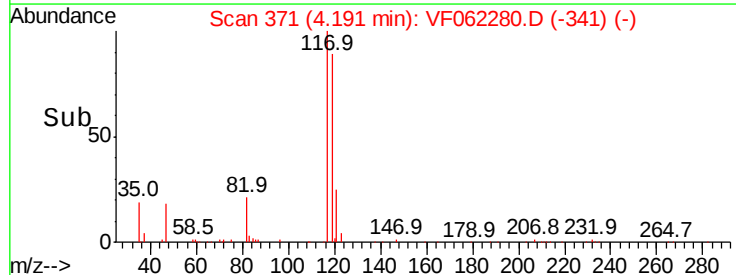
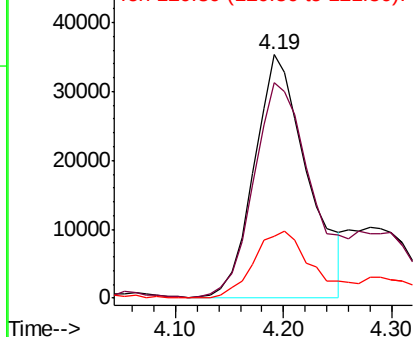


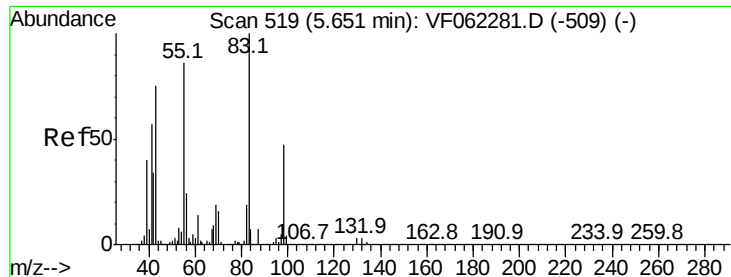
#38
Carbon Tetrachloride
Concen: 19.533 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion: 117 Resp: 121743
Ion Ratio Lower Upper
117 100
119 88.7 77.3 115.9
121 25.4 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

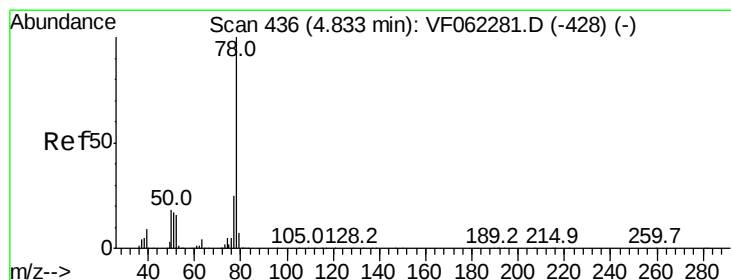
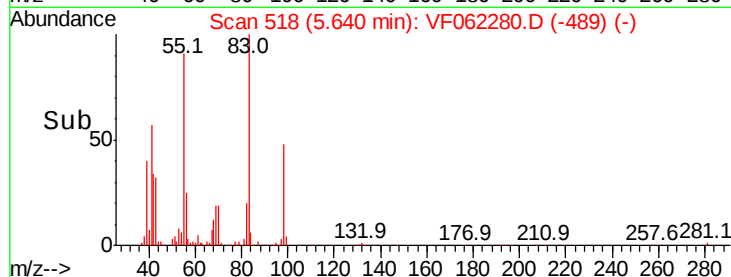
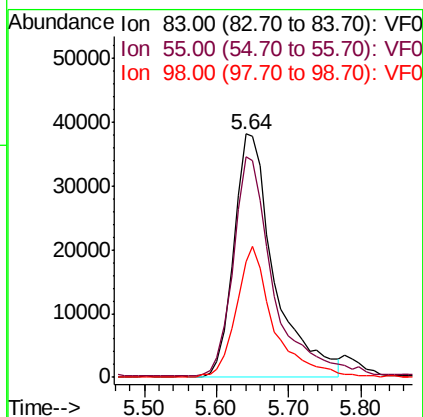
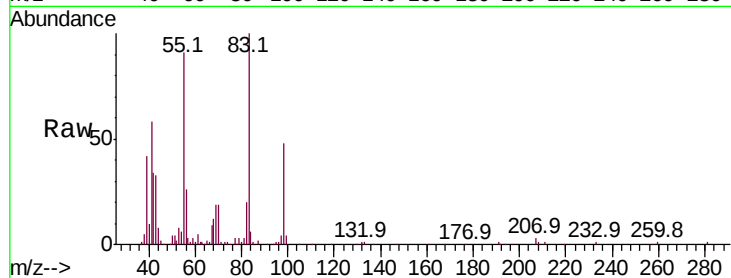




#39
Methvlcvclohexane
Concen: 19.943 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

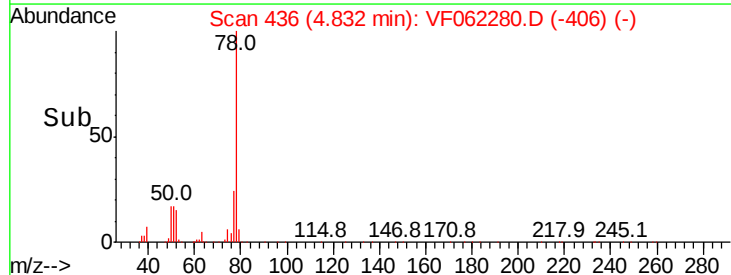
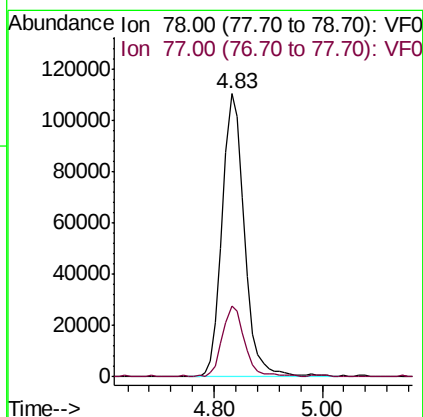
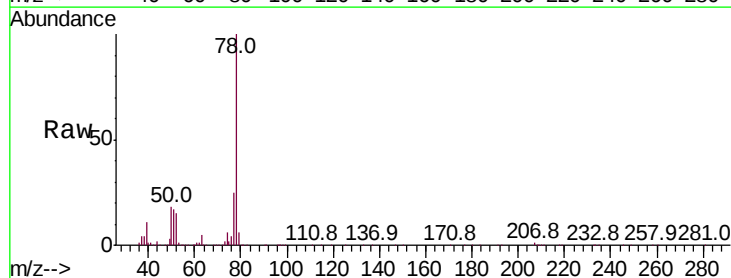
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

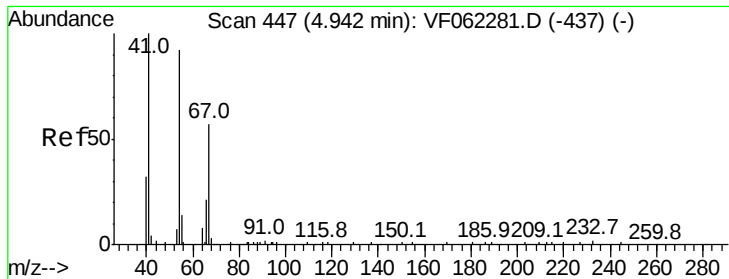
Tot Ion: 83 Resp: 149913
Ion Ratio Lower Upper
83 100
55 89.8 68.7 103.1
98 47.6 37.4 56.2



#40
Benzene
Concen: 20.478 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion: 78 Resp: 315068
Ion Ratio Lower Upper
78 100
77 24.9 19.7 29.5

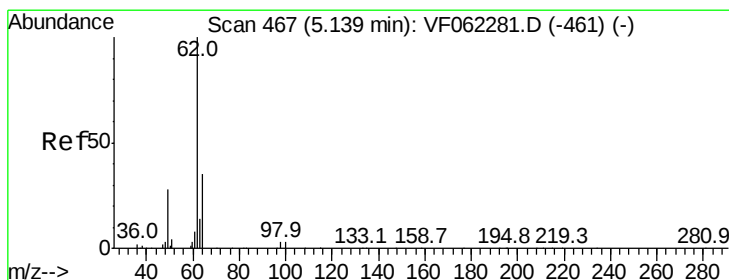
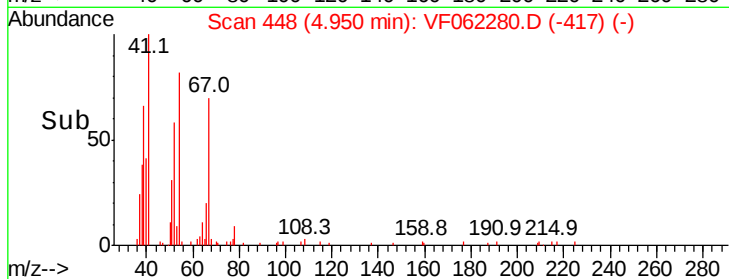
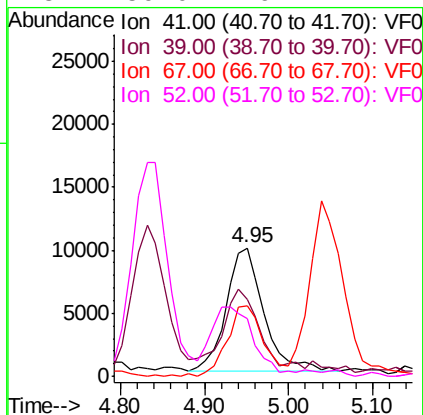
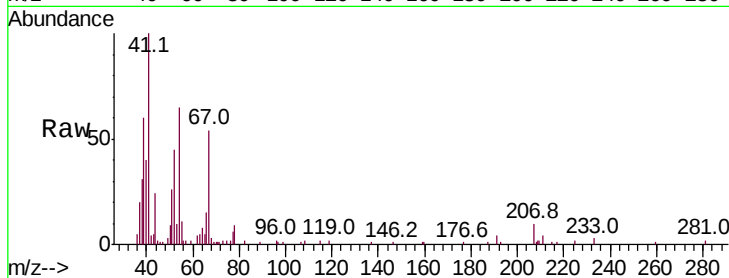




#41
Methacrylonitrile
Concen: 20.591 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

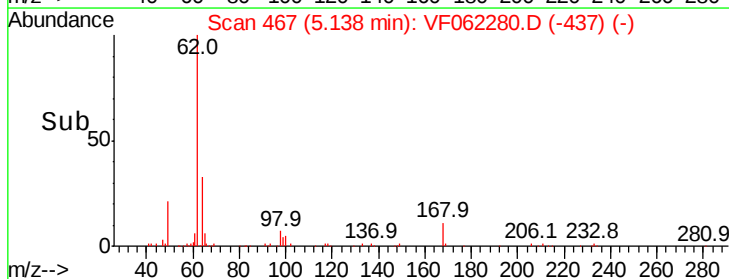
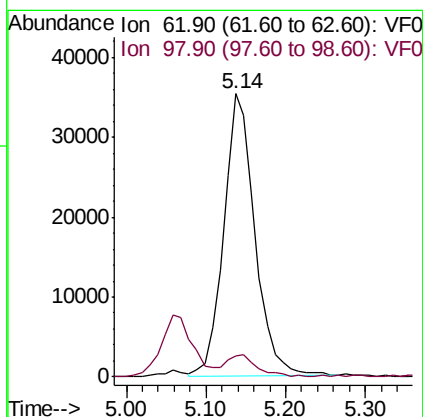
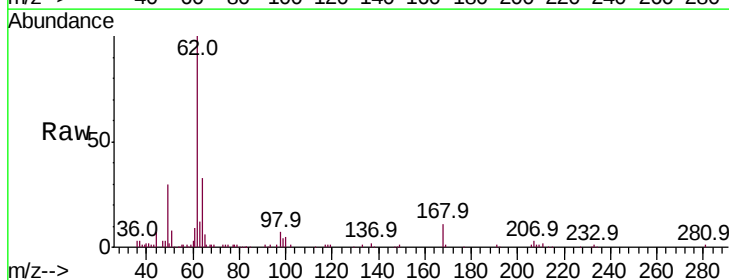
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

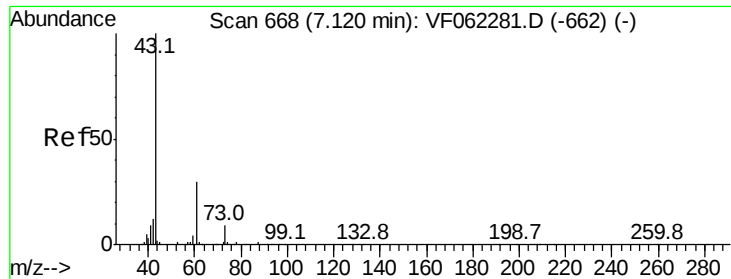
Tot Ion:	41	Resp:	30123
Ion	Ratio	Lower	Upper
41	100		
39	53.0	47.3	70.9
67	56.0	41.3	61.9
52	59.0	49.4	74.2



#42
1,2-Dichloroethane
Concen: 20.216 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion:	62	Resp:	95518
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8



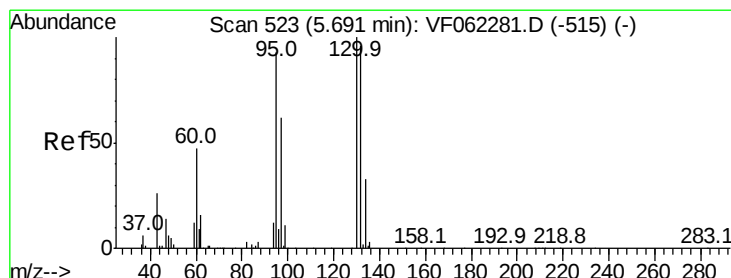
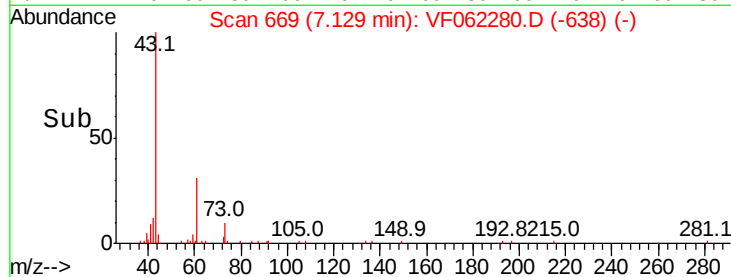
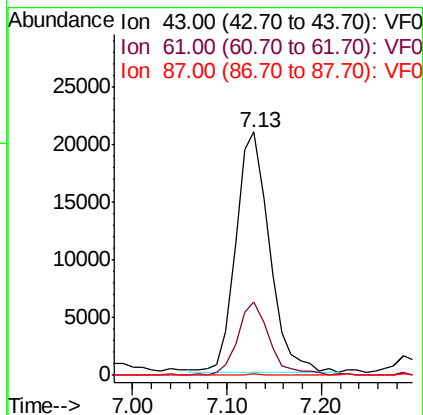
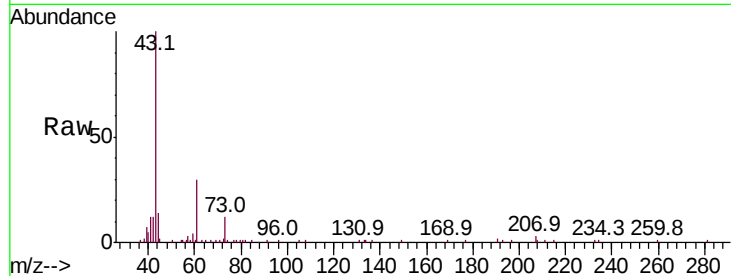


#43

Isopropyl Acetate
 Concen: 18.377 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

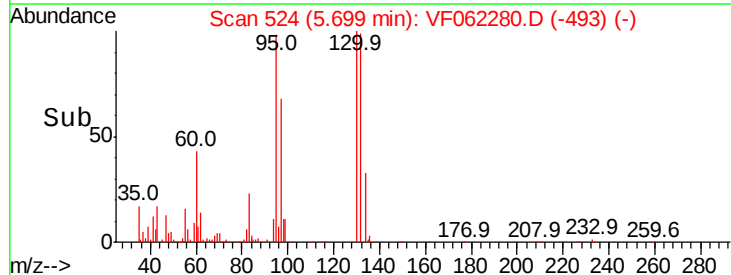
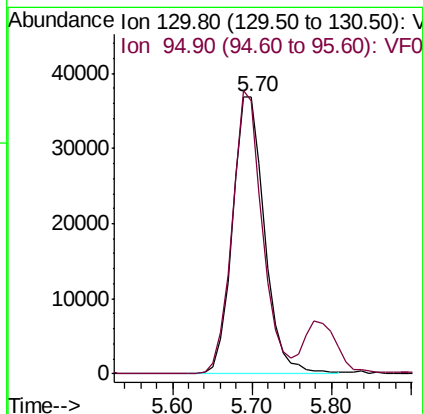
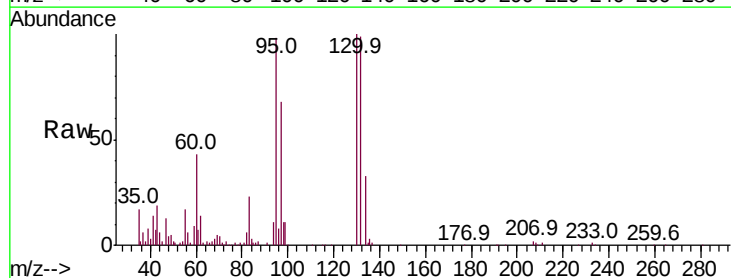
Tot Ion: 43 Resp: 50765
 Ion Ratio Lower Upper
 43 100
 61 29.2 23.8 35.6
 87 0.1 0.5 0.7#

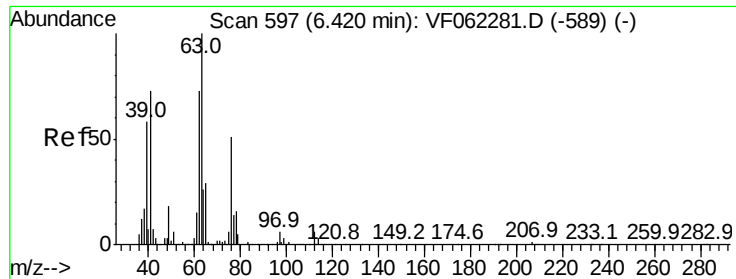


#44

Trichloroethene
 Concen: 19.754 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion: 130 Resp: 102792
 Ion Ratio Lower Upper
 130 100
 95 98.3 0.0 186.4





#45

1,2-Dichloropropane

Concen: 19.053 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

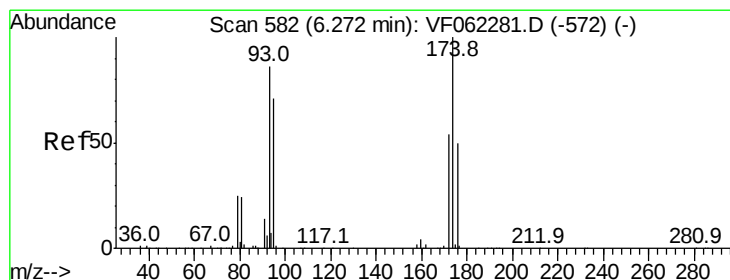
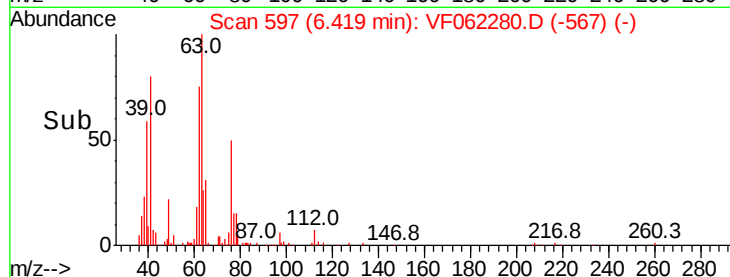
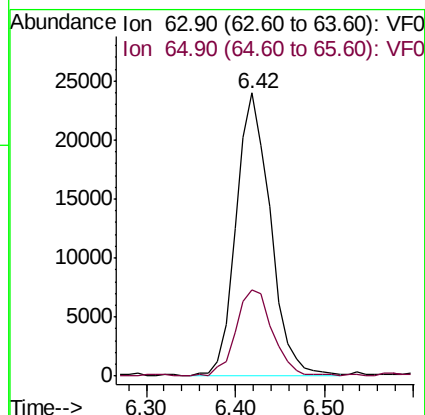
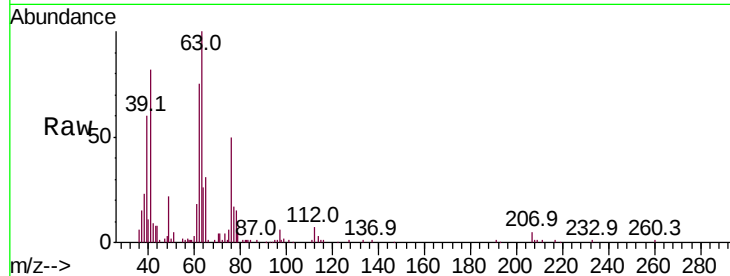
VSTDIC020

Tot Ion: 63 Resp: 64573

Ion Ratio Lower Upper

63 100

65 30.6 23.5 35.3



#46

Dibromomethane

Concen: 20.679 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

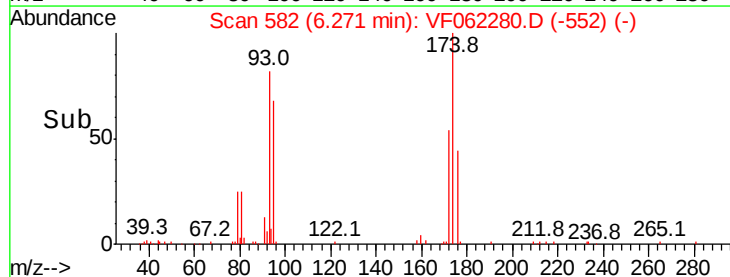
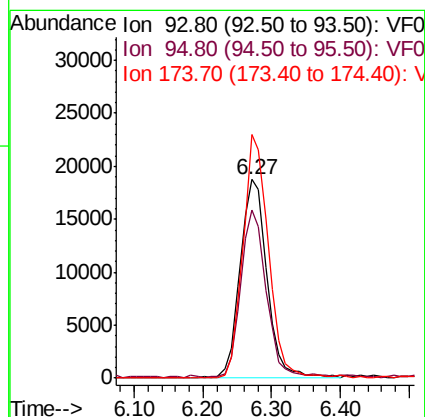
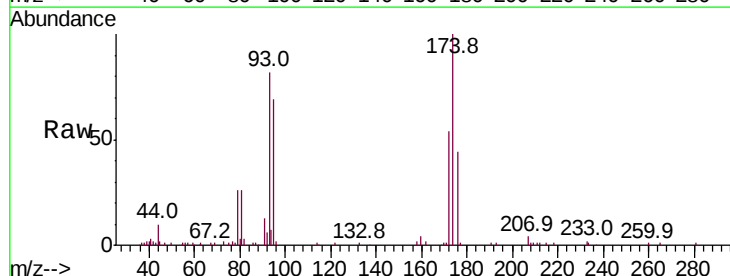
Tgt Ion: 93 Resp: 50768

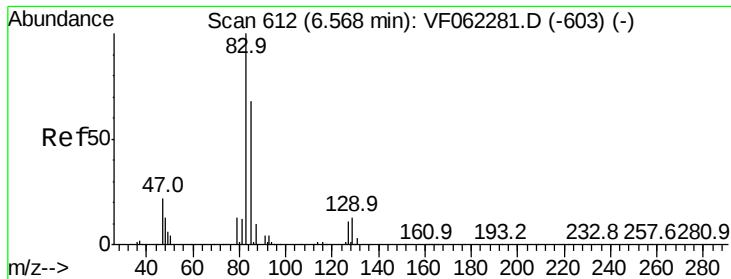
Ion Ratio Lower Upper

93 100

95 80.5 66.2 99.4

174 116.8 94.9 142.3





#47

Bromodichloromethane

Concen: 19.857 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

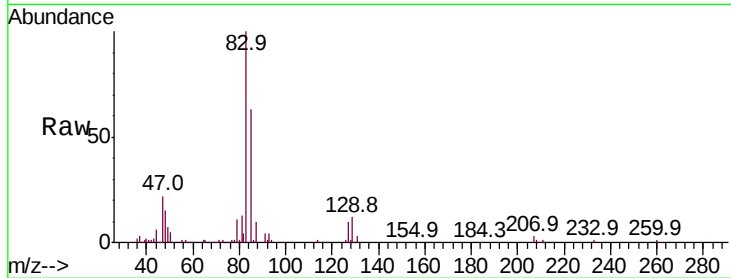
Tot Ion: 83 Resp: 114766

Ion Ratio Lower Upper

83 100

85 63.0 54.6 81.8

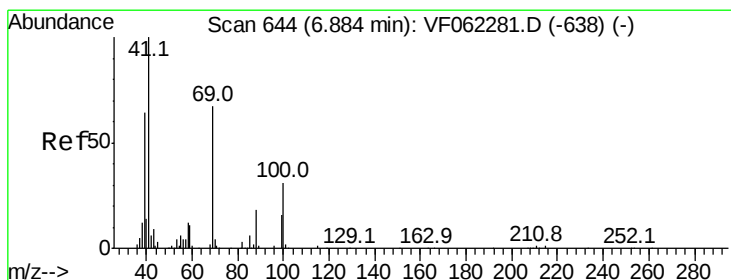
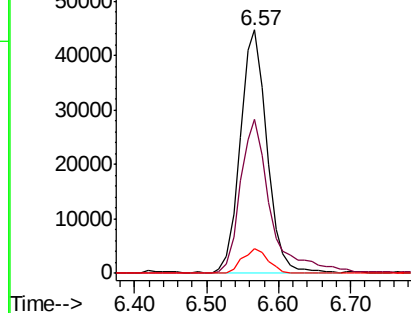
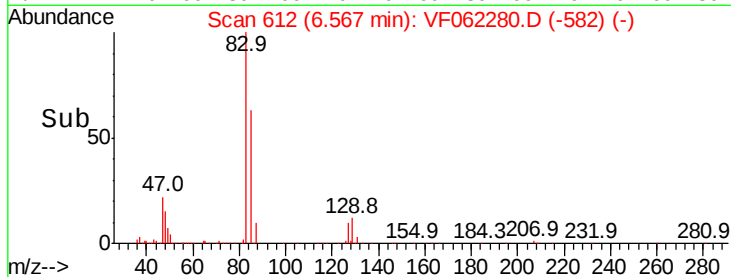
127 10.1 8.7 13.1



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: 18.909 ug/l

RT: 6.89 min Scan# 645

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

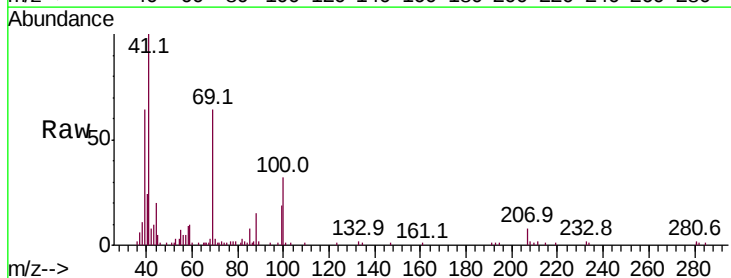
Tgt Ion: 41 Resp: 35842

Ion Ratio Lower Upper

41 100

69 60.6 53.4 80.2

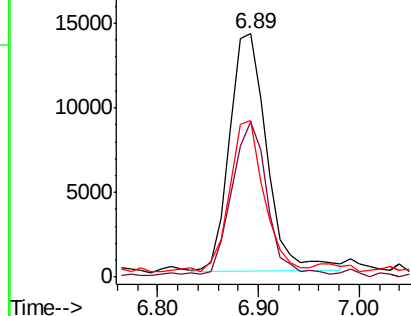
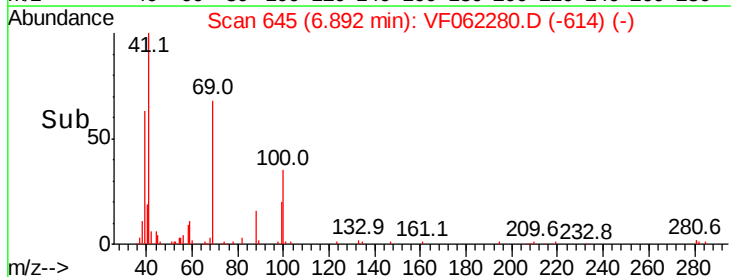
39 59.2 50.9 76.3

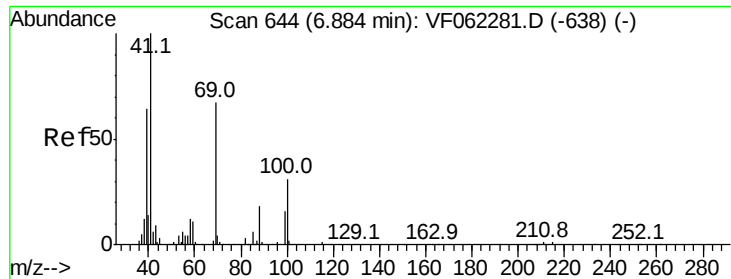


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 342.357 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

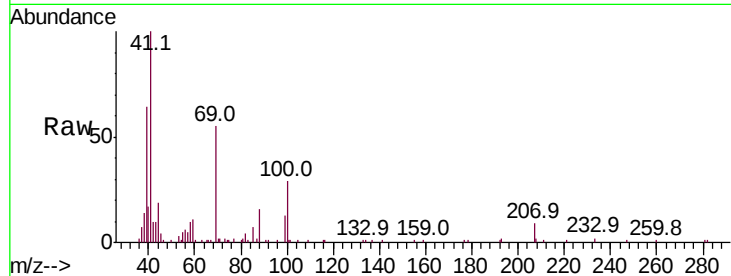
MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 88 Resp: 7427

Ion	Ratio	Lower	Upper
88	100		
43	50.0	34.2	51.4
58	65.9	50.7	76.1

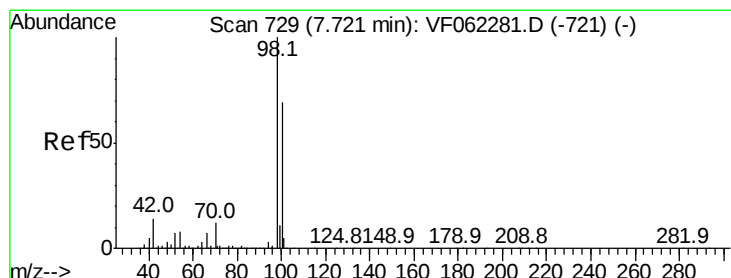
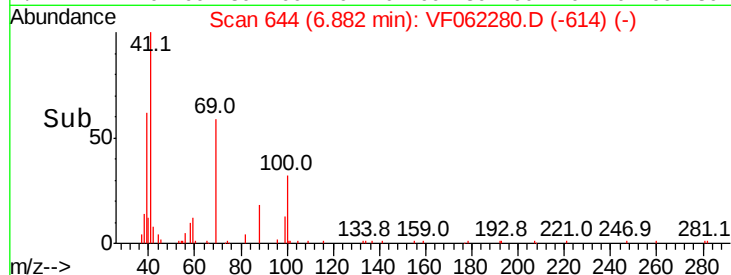
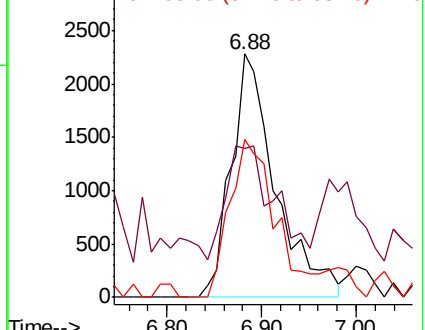


Abundance

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: 18.588 ug/l

RT: 7.72 min Scan# 729

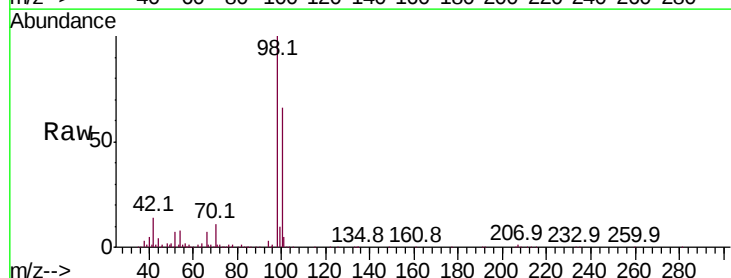
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion: 98 Resp: 226877

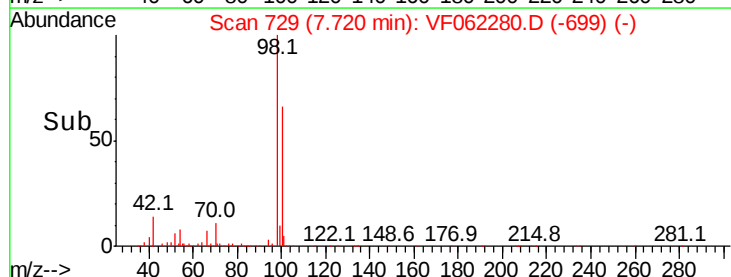
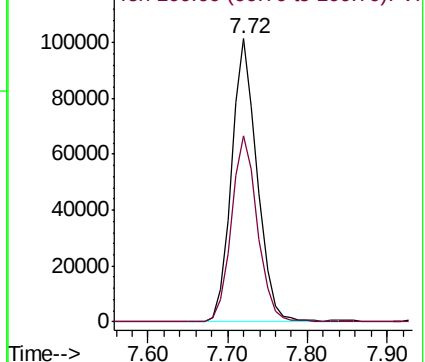
Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.4	81.6

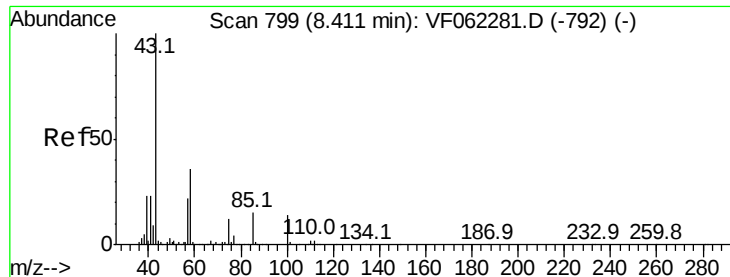


Abundance

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 94.220 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

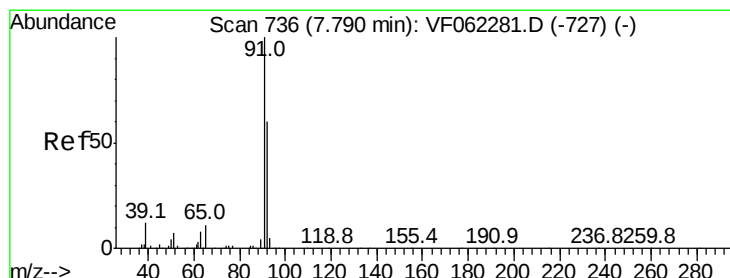
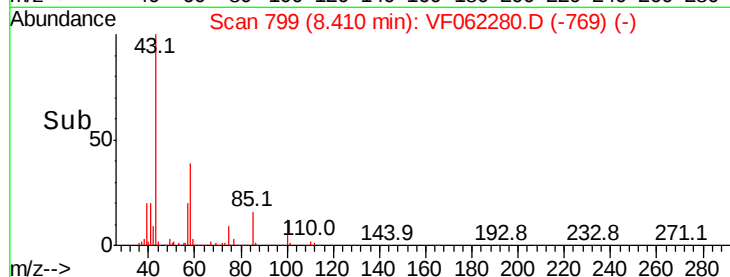
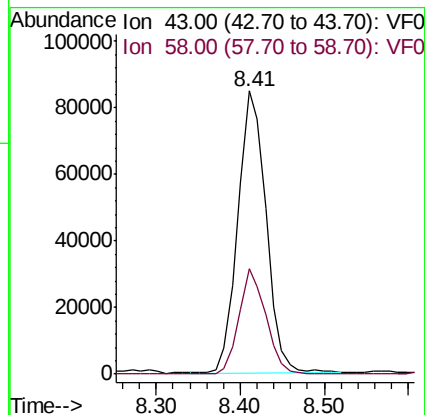
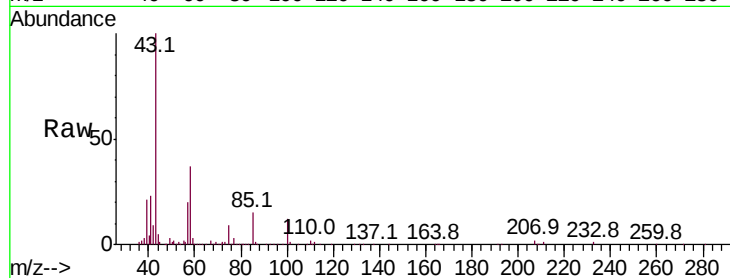
VSTDIC020

Tot Ion: 43 Resp: 199147

Ion Ratio Lower Upper

43 100

58 35.8 29.1 43.7



#52

Toluene

Concen: 19.947 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062280.D

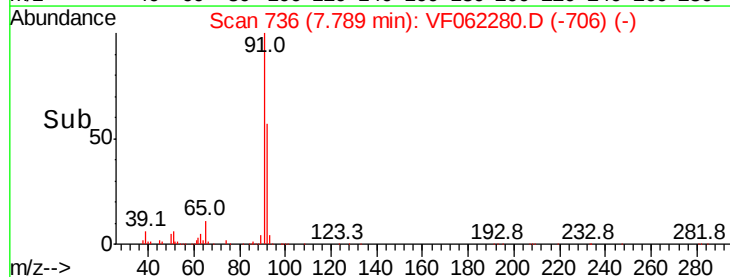
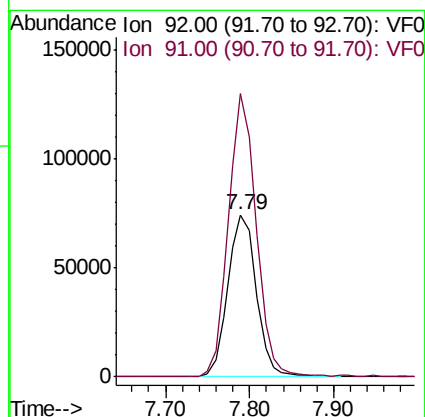
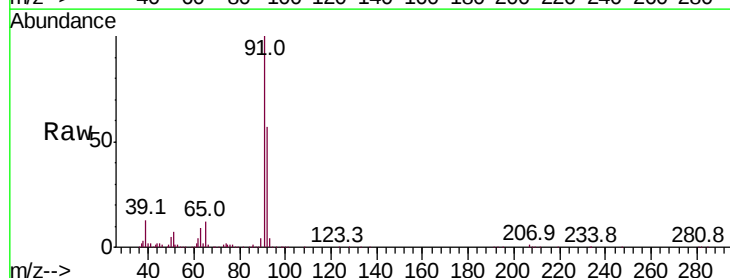
Acq: 24 Apr 2019 14:45

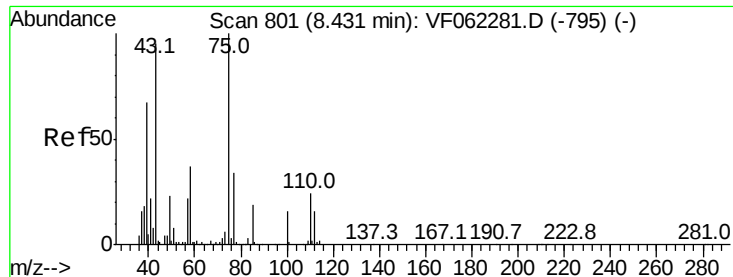
Tgt Ion: 92 Resp: 176016

Ion Ratio Lower Upper

92 100

91 169.9 132.5 198.7

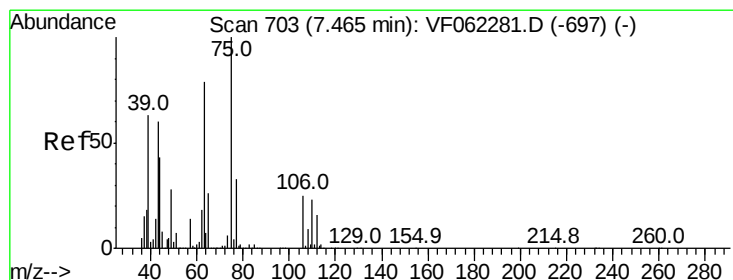
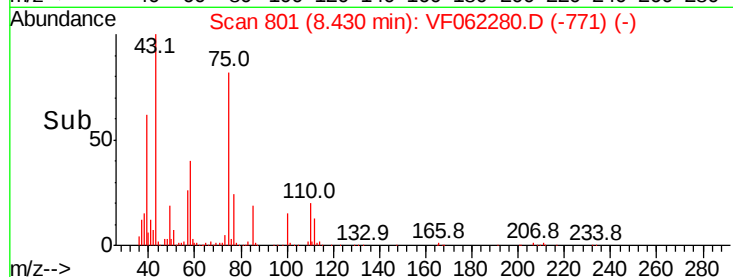
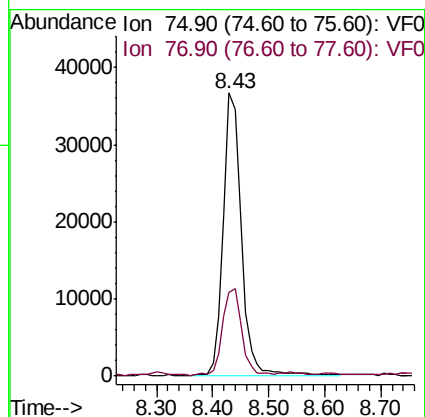
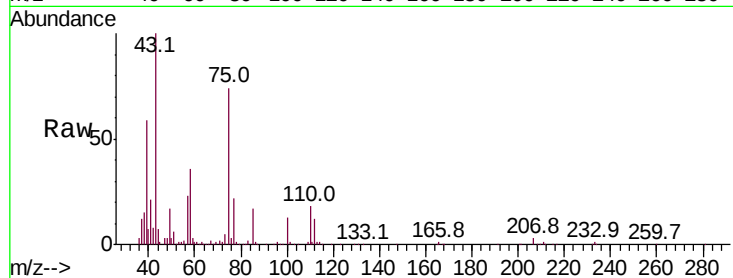




#53
 t-1,3-Dichloropropene
 Concen: 20.085 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

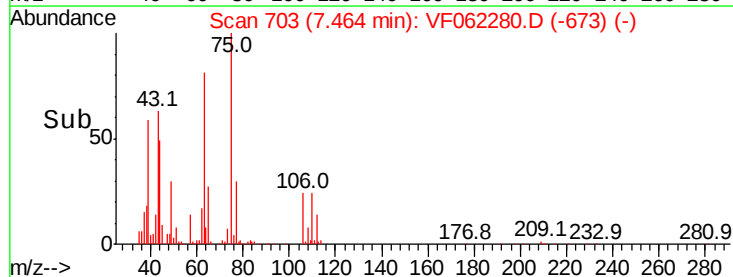
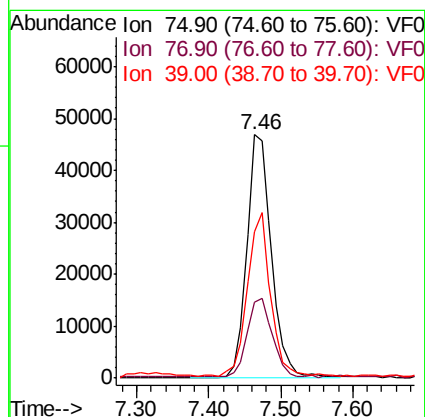
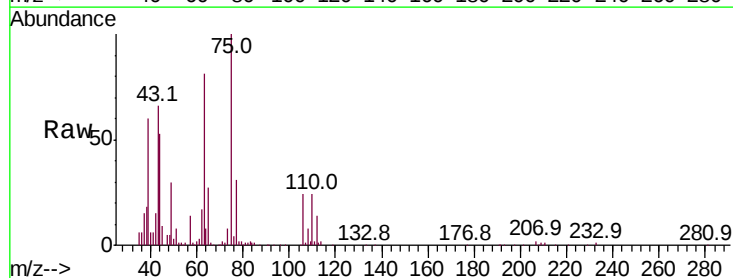
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

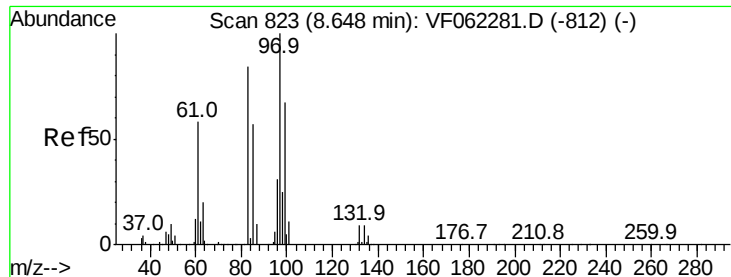
Tot Ion: 75 Resp: 84542
 Ion Ratio Lower Upper
 75 100
 77 29.3 26.9 40.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.631 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion: 75 Resp: 112761
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.5 39.7
 39 59.2 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 20.513 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 97 Resp: 49475

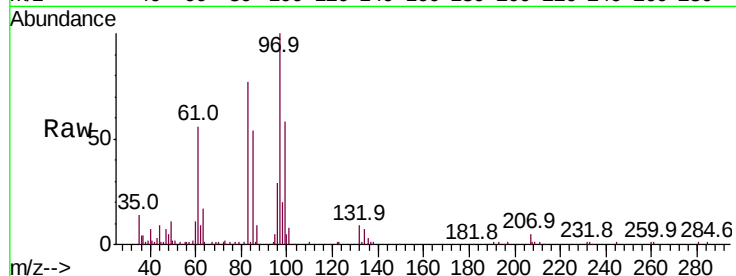
Ion Ratio Lower Upper

97 100

83 77.3 67.5 101.3

85 53.6 45.3 67.9

99 58.4 53.4 80.0

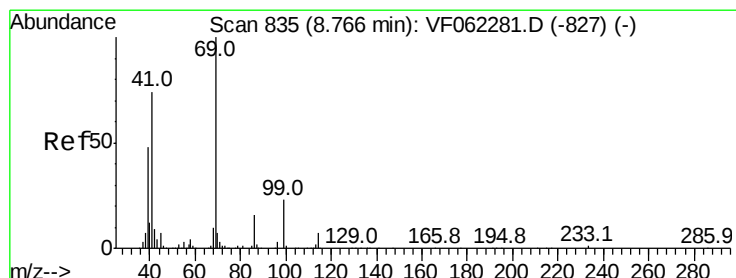
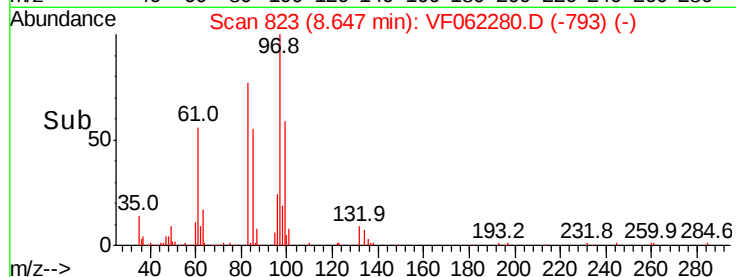
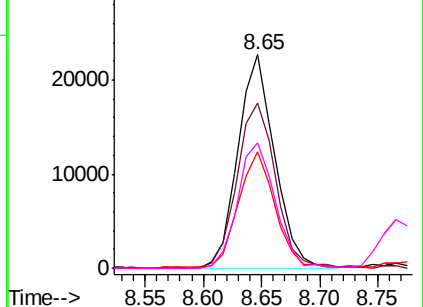


Abundance Ion 96.90 (96.60 to 97.60): VF0

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: 18.703 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

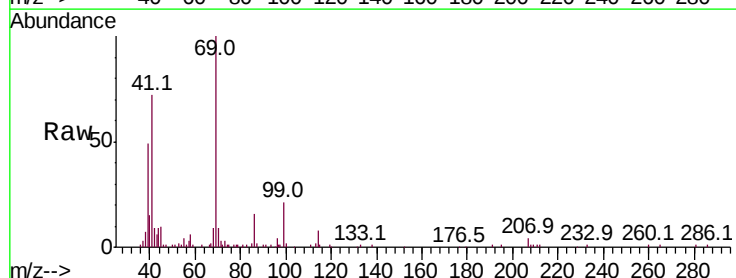
Tgt Ion: 69 Resp: 50428

Ion Ratio Lower Upper

69 100

41 76.1 61.5 92.3

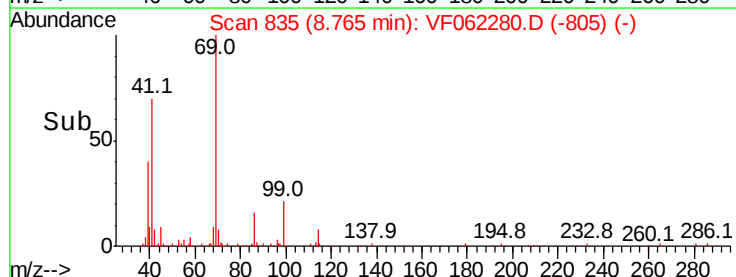
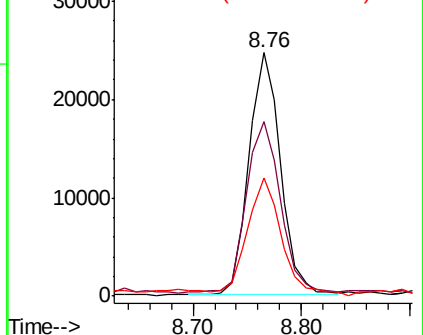
39 53.7 37.9 56.9

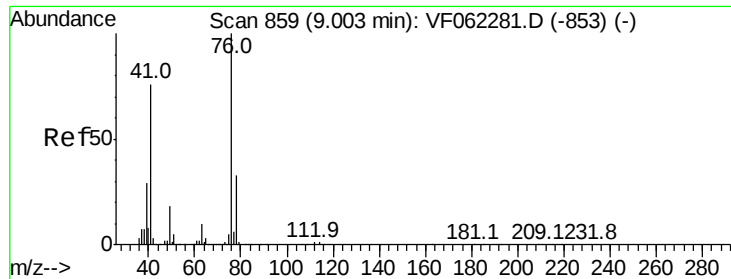


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 19.380 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

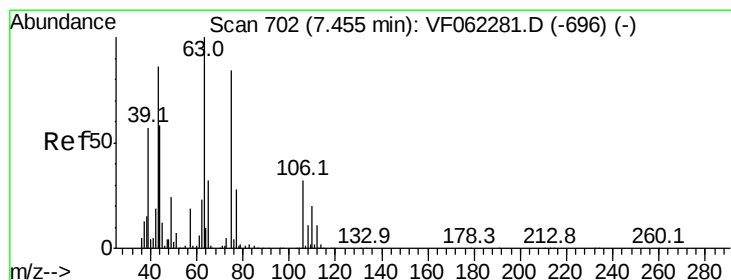
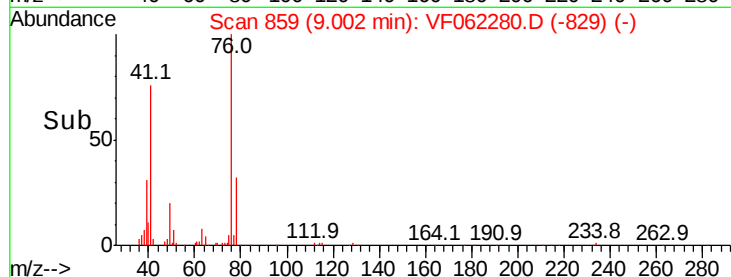
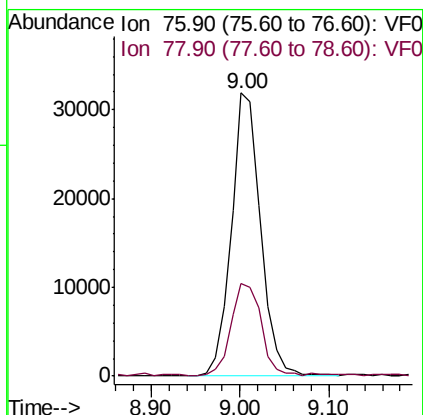
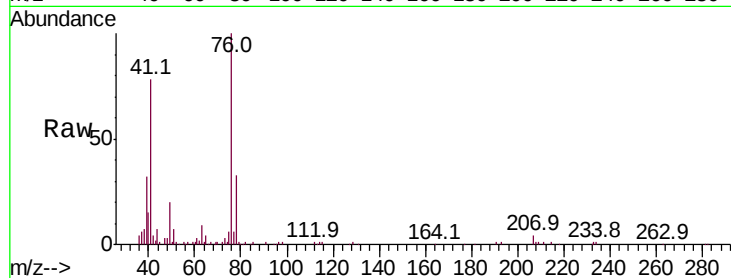
VSTDIC020

Tot Ion: 76 Resp: 73507

Ion Ratio Lower Upper

76 100

78 34.3 27.0 40.6



#58

2-Chloroethyl Vinyl ether

Concen: 104.455 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062280.D

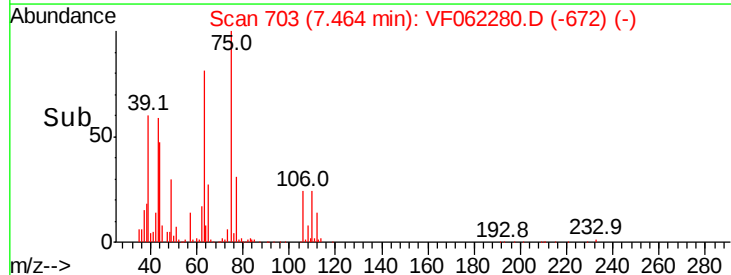
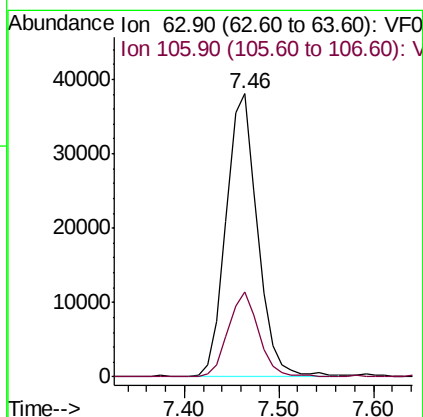
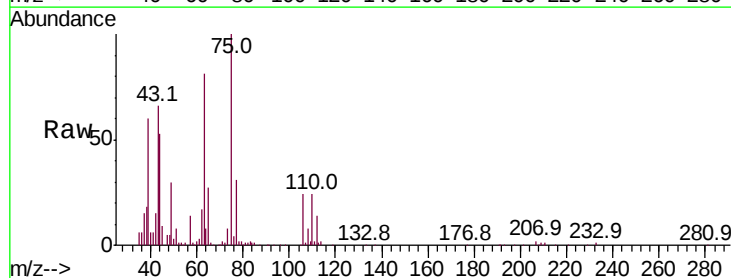
Acq: 24 Apr 2019 14:45

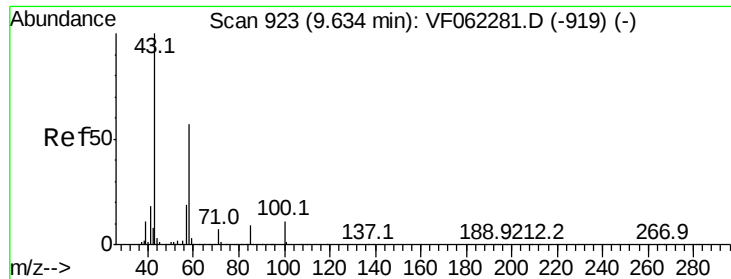
Tgt Ion: 63 Resp: 87004

Ion Ratio Lower Upper

63 100

106 29.5 24.7 37.1

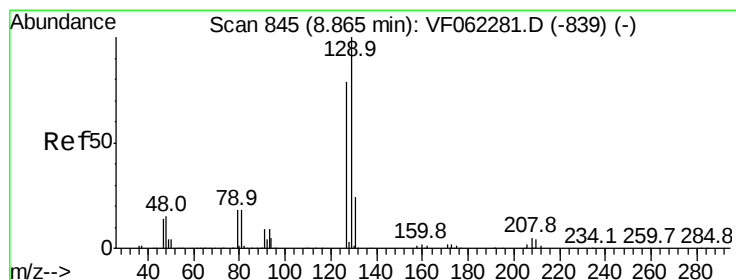
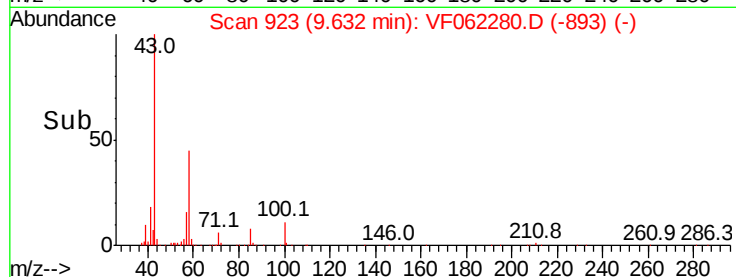
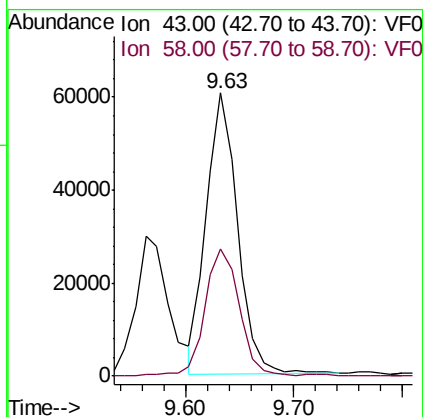
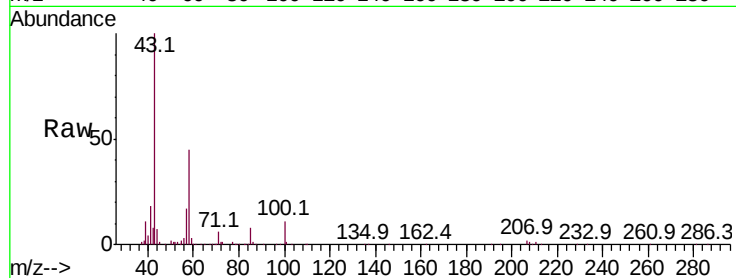




#59
2-Hexanone
Concen: 59.272 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

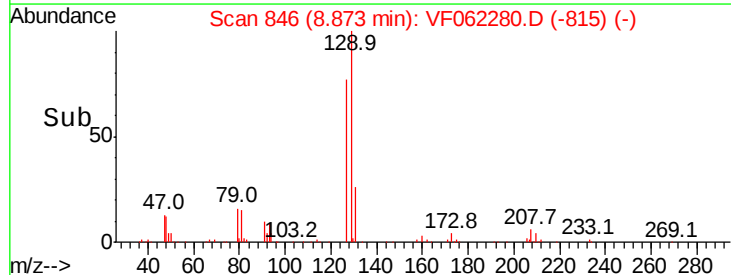
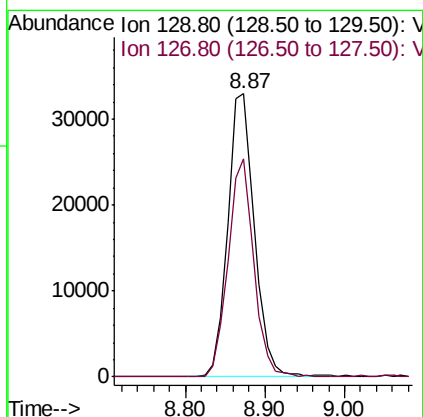
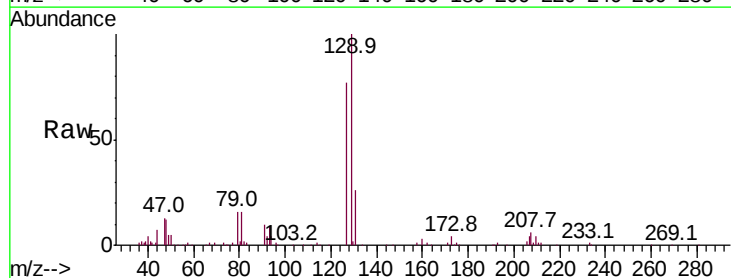
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

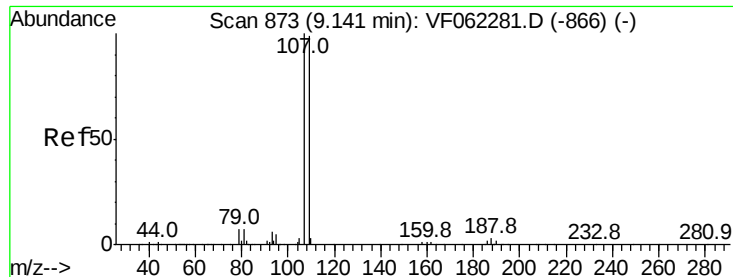
Tot Ion: 43 Resp: 122170
Ion Ratio Lower Upper
43 100
58 50.0 24.9 74.7



#60
Dibromochloromethane
Concen: 19.959 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion:129 Resp: 77567
Ion Ratio Lower Upper
129 100
127 74.3 38.8 116.4





#61

1,2-Dibromoethane

Concen: 19.464 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

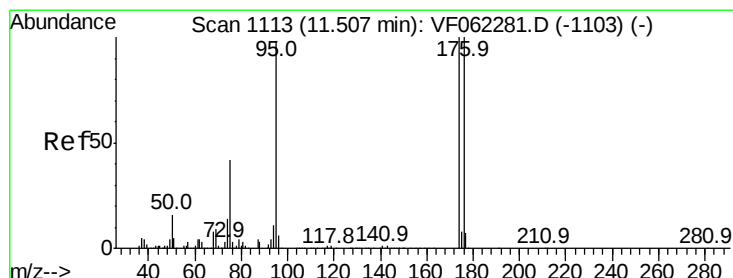
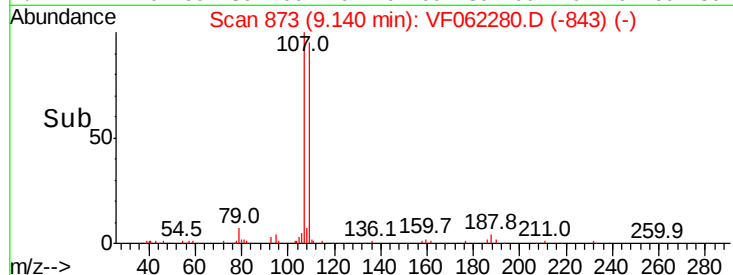
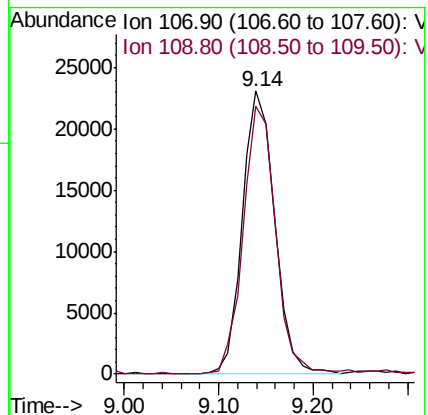
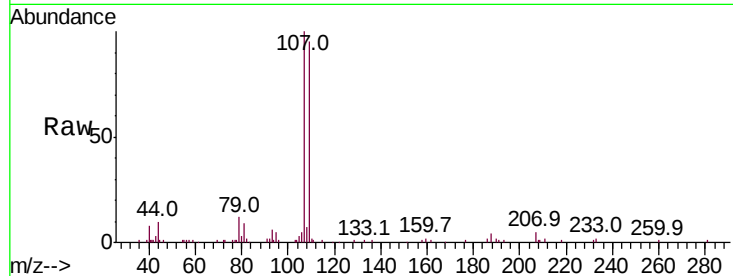
VSTDIC020

Tot Ion:107 Resp: 54705

Ion Ratio Lower Upper

107 100

109 95.3 78.7 118.1



#62

4-Bromofluorobenzene

Concen: 17.634 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

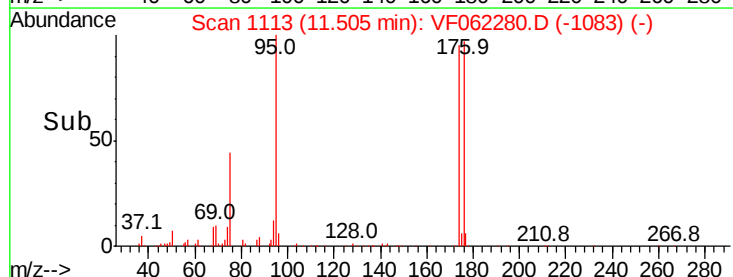
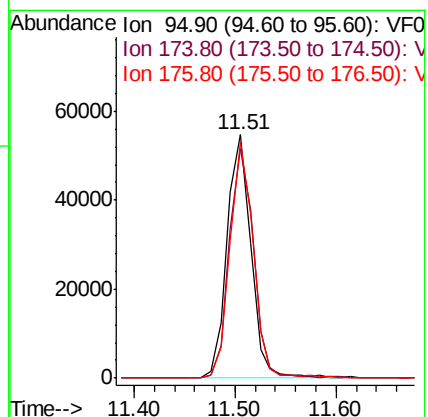
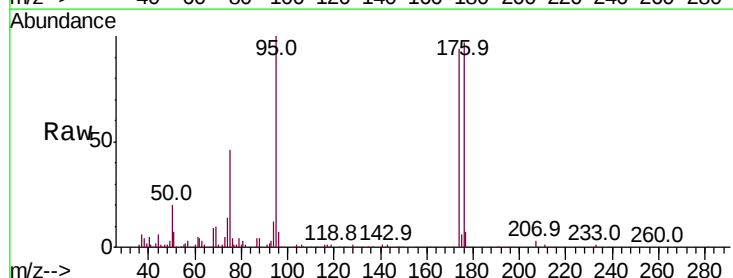
Tgt Ion: 95 Resp: 90711

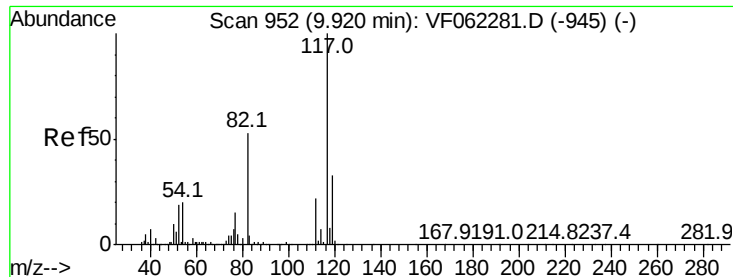
Ion Ratio Lower Upper

95 100

174 95.5 0.0 185.2

176 94.3 0.0 184.8

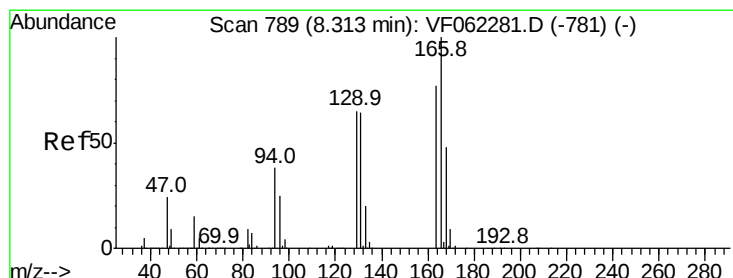
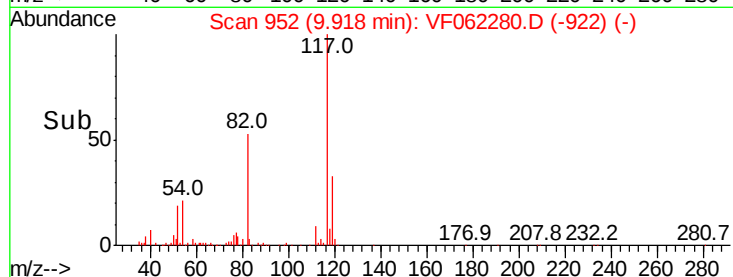
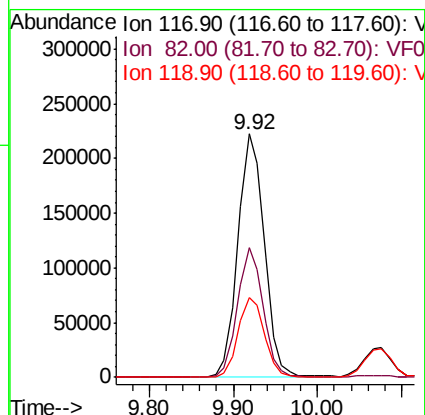
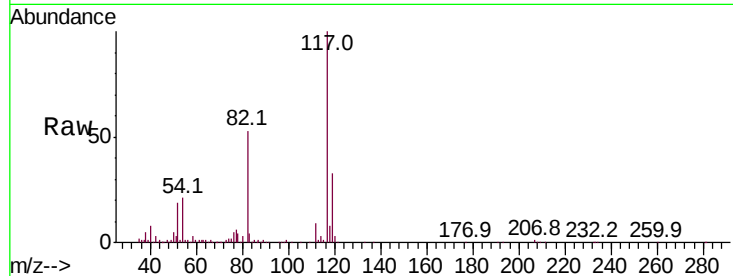




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

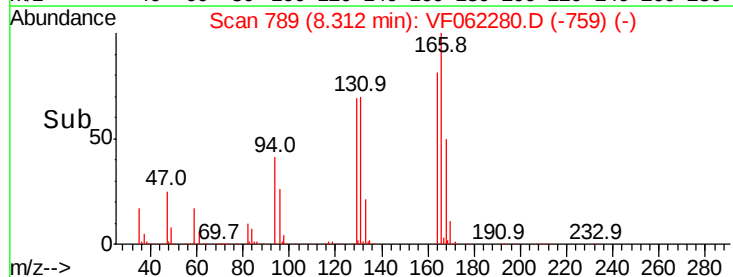
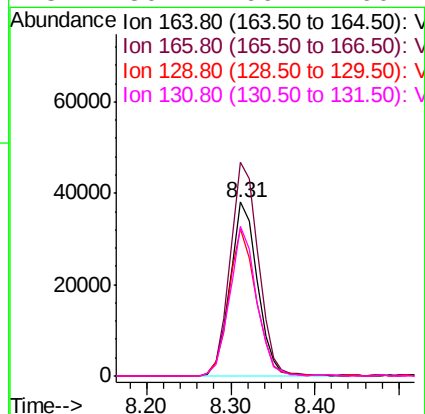
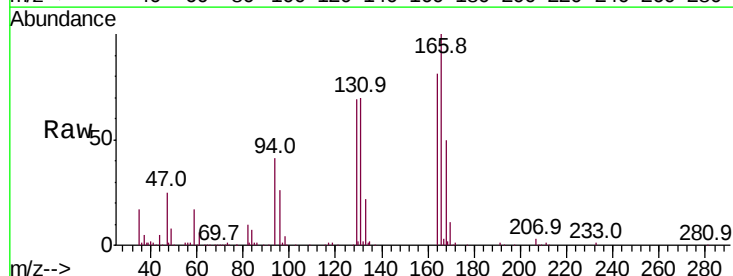
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

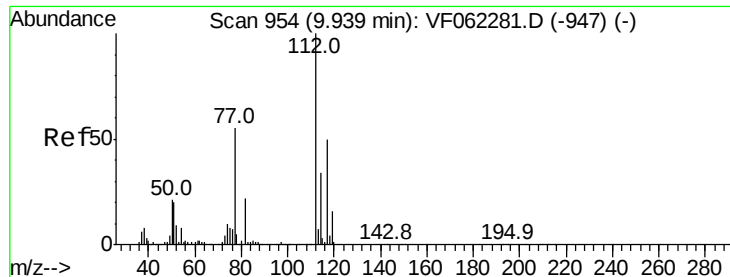
Tot Ion:117 Resp: 489074
Ion Ratio Lower Upper
117 100
82 53.1 42.6 64.0
119 32.8 26.1 39.1



#64
Tetrachloroethene
Concen: 20.546 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion:164 Resp: 86372
Ion Ratio Lower Upper
164 100
166 122.8 103.5 155.3
129 84.7 67.6 101.4
131 86.4 66.1 99.1





#65

Chlorobenzene

Concen: 20.477 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

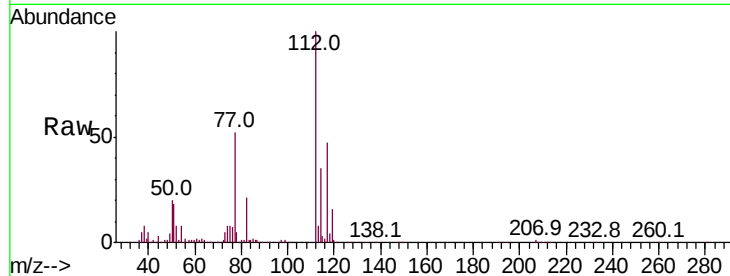
VSTDIC020

Tot Ion:112 Resp: 185748

Ion Ratio Lower Upper

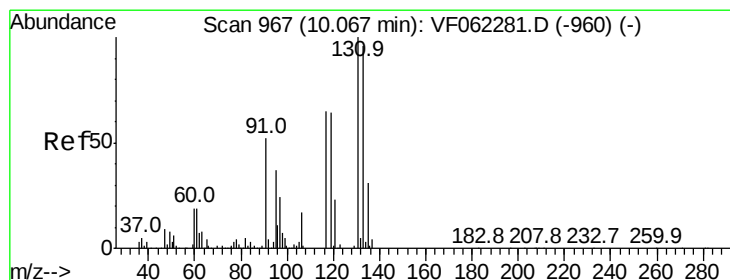
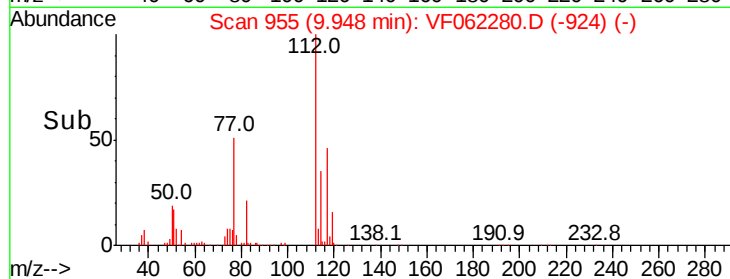
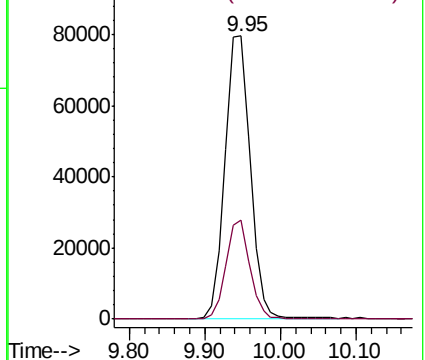
112 100

114 35.1 27.0 40.6



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.414 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

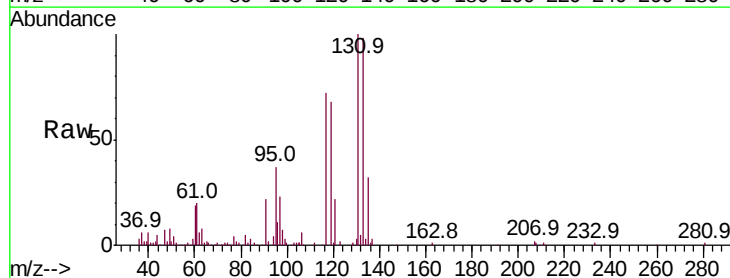
Tgt Ion:131 Resp: 89255

Ion Ratio Lower Upper

131 100

133 96.8 48.5 145.5

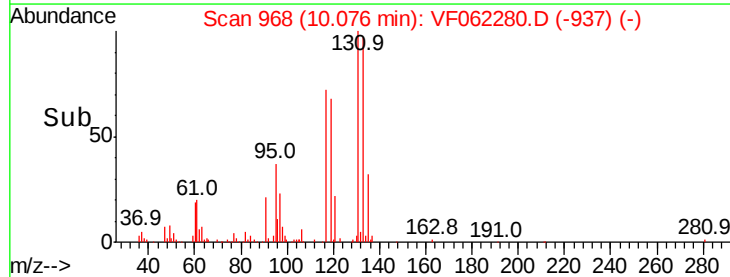
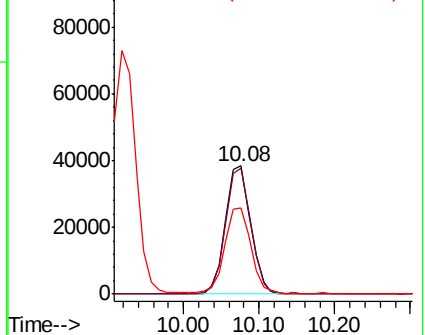
119 70.5 32.9 98.7

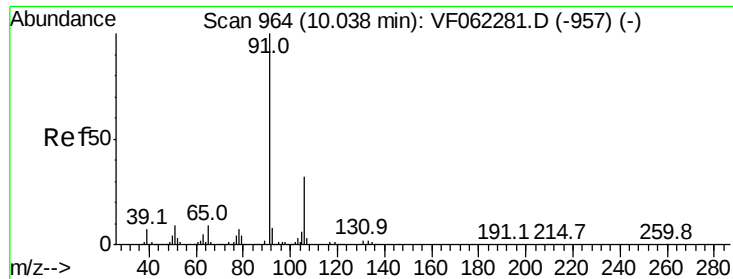


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.797 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

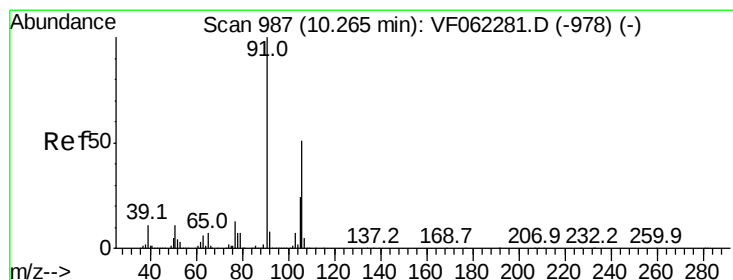
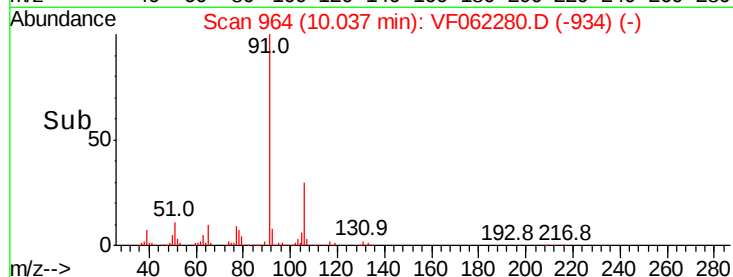
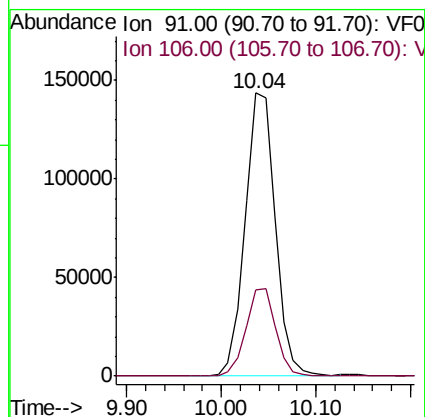
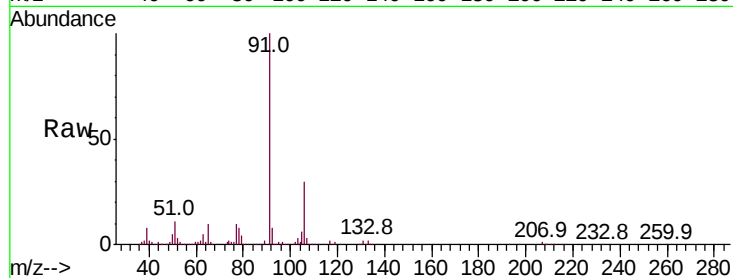
VSTDIC020

Tot Ion: 91 Resp: 318538

Ion Ratio Lower Upper

91 100

106 30.4 25.6 38.4



#68

m/p-Xylenes

Concen: 40.403 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF062280.D

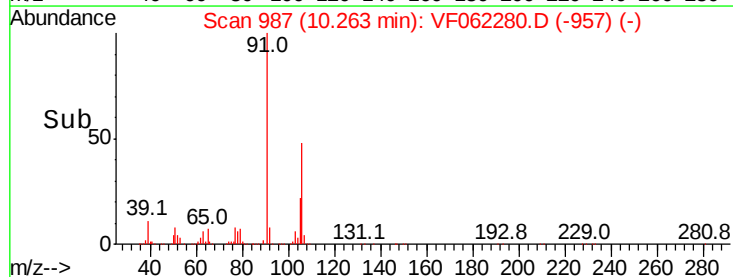
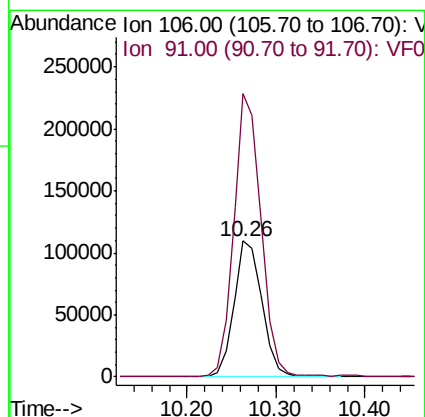
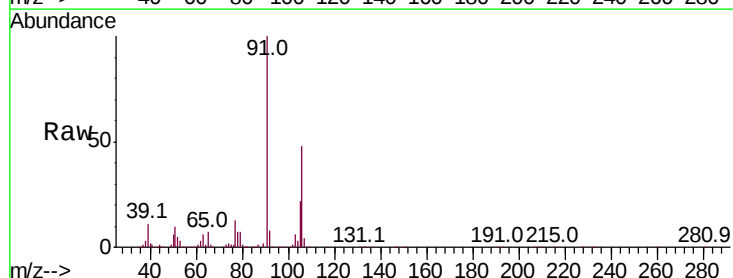
Acq: 24 Apr 2019 14:45

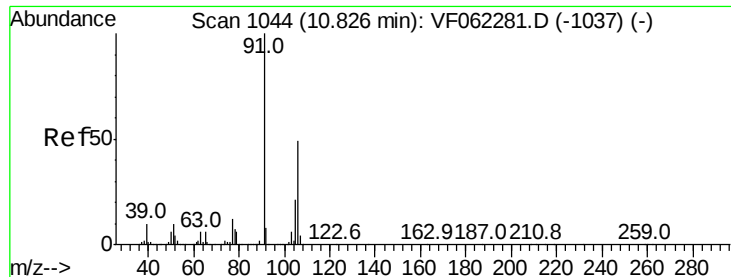
Tgt Ion: 106 Resp: 240039

Ion Ratio Lower Upper

106 100

91 202.5 158.3 237.5

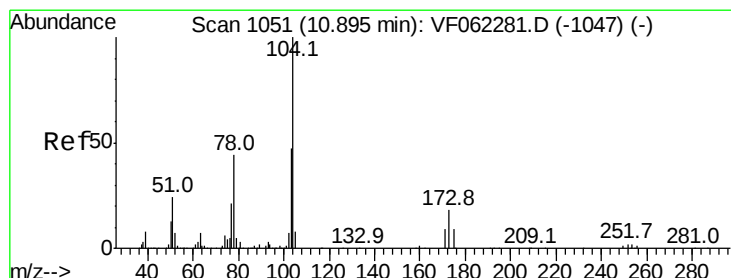
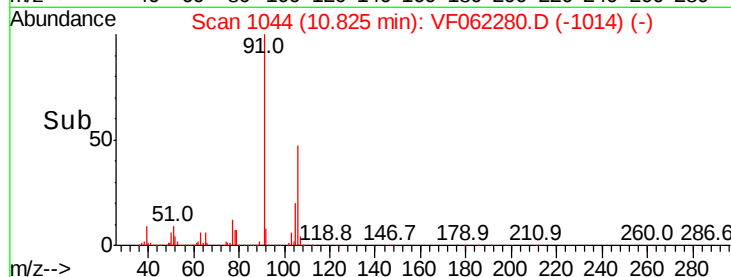
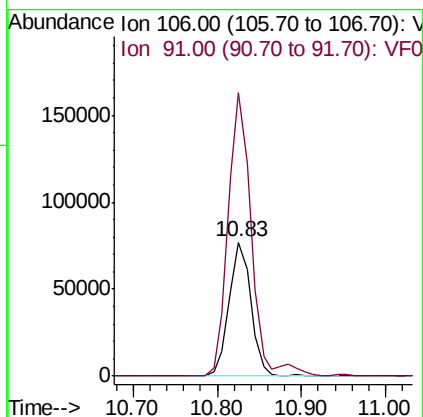
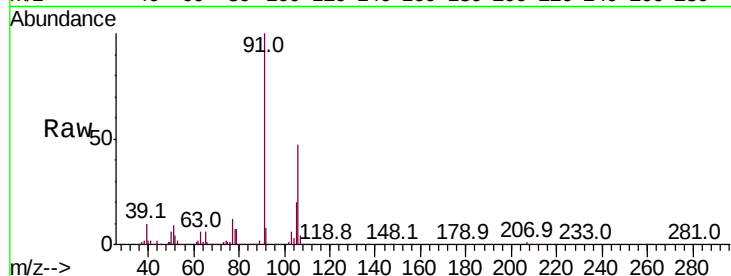




#69
o-Xylene
Concen: 21.059 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

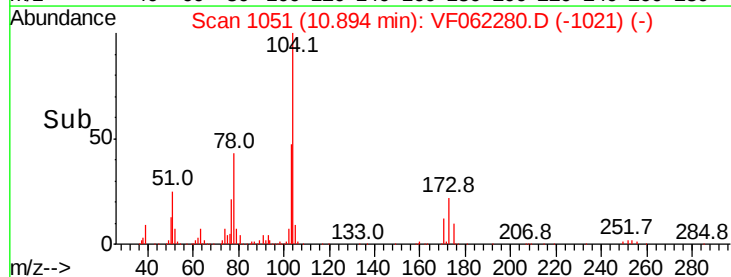
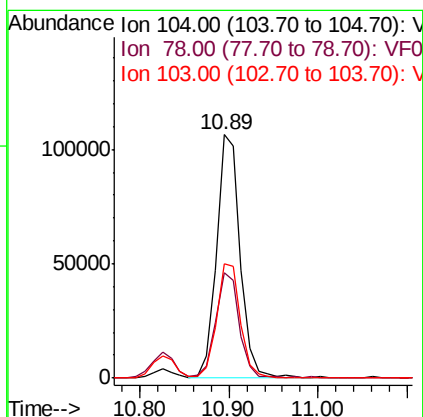
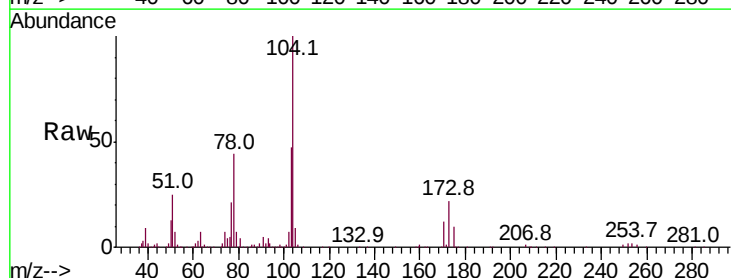
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

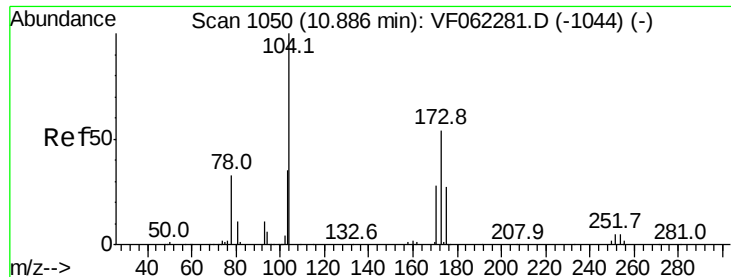
Tot Ion:106 Resp: 140445
Ion Ratio Lower Upper
106 100
91 215.0 110.0 330.0



#70
Styrene
Concen: 20.397 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion:104 Resp: 196790
Ion Ratio Lower Upper
104 100
78 43.1 35.9 53.9
103 48.5 37.5 56.3





#71

Bromoform

Concen: 20.642 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

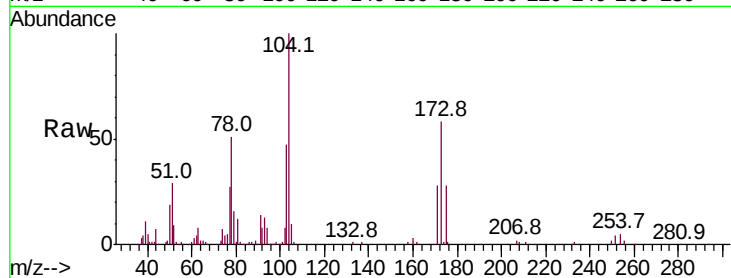
Tot Ion:173 Resp: 48984

Ion Ratio Lower Upper

173 100

175 49.9 25.3 75.9

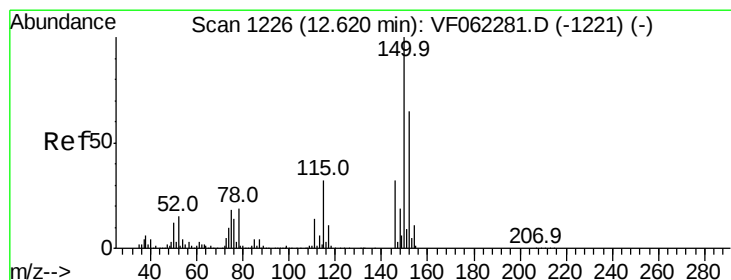
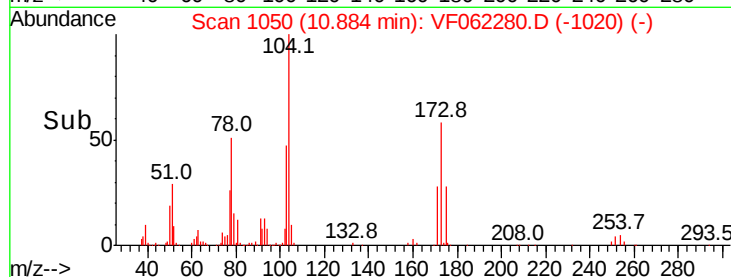
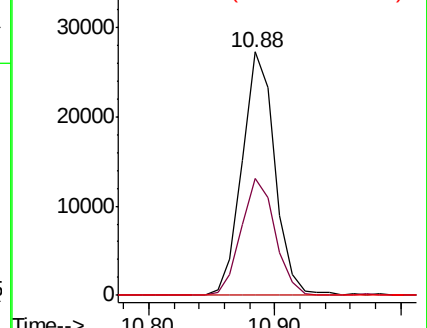
254 0.0 0.1 0.1#



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: 12.62 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

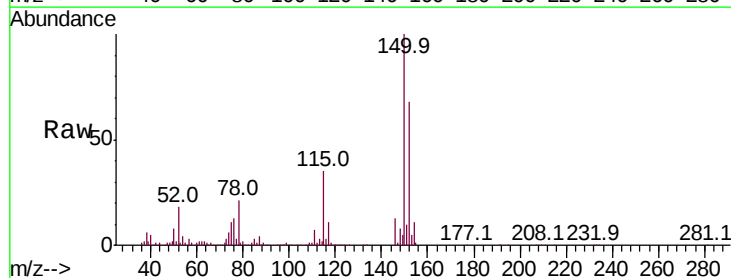
Tgt Ion:152 Resp: 279520

Ion Ratio Lower Upper

152 100

115 52.4 25.6 76.8

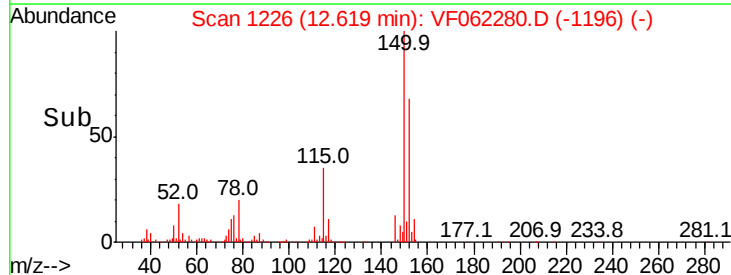
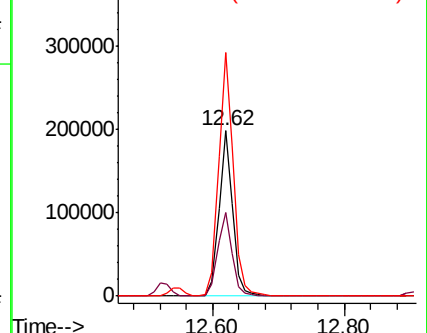
150 156.8 0.0 330.6

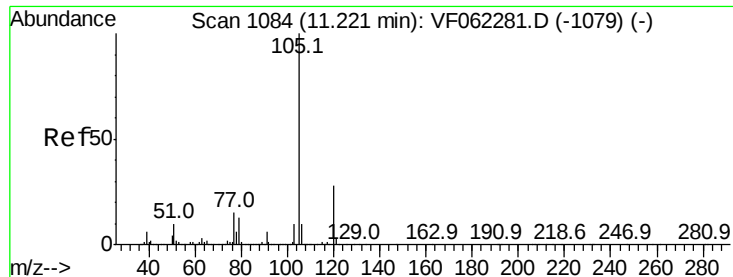


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.382 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

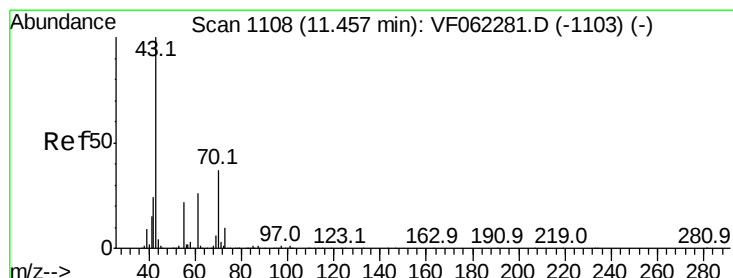
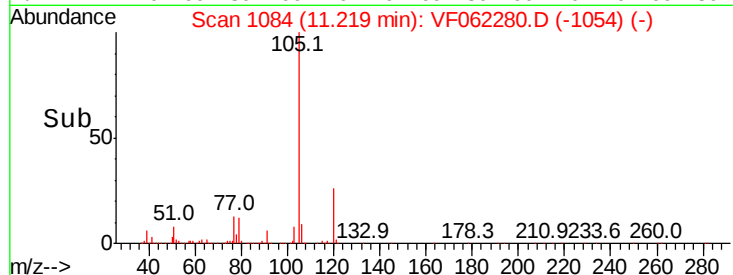
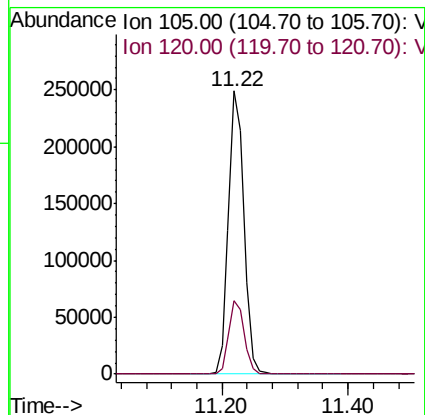
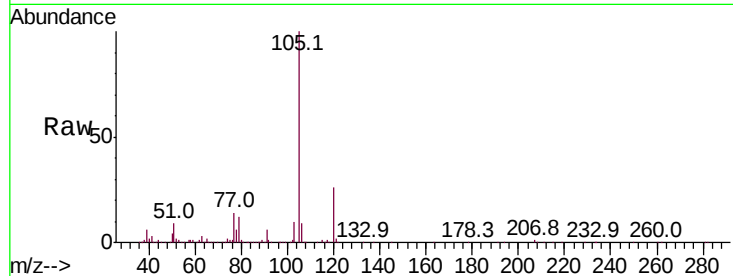
VSTDIC020

Tot Ion:105 Resp: 426705

Ion Ratio Lower Upper

105 100

120 25.9 12.4 37.2



#74

N-ethyl acetate

Concen: 19.396 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion: 43 Resp: 87879

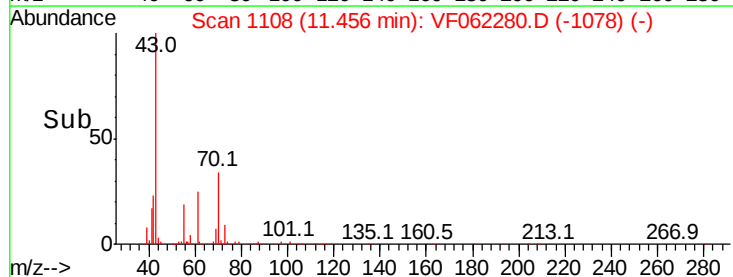
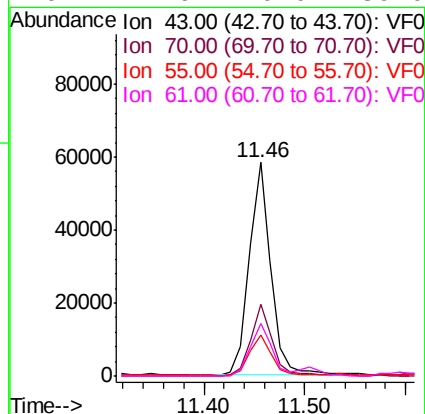
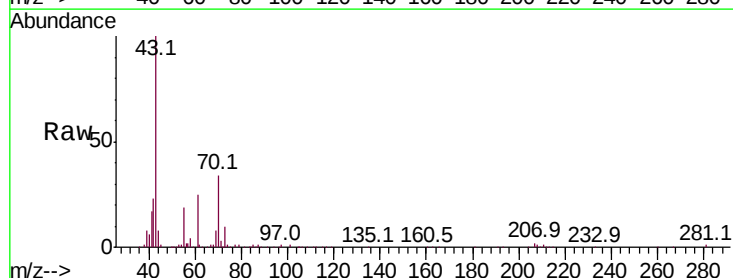
Ion Ratio Lower Upper

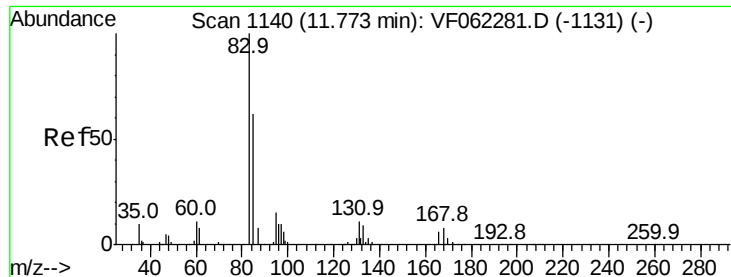
43 100

70 34.4 27.8 41.8

55 19.2 16.6 24.8

61 24.6 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.027 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

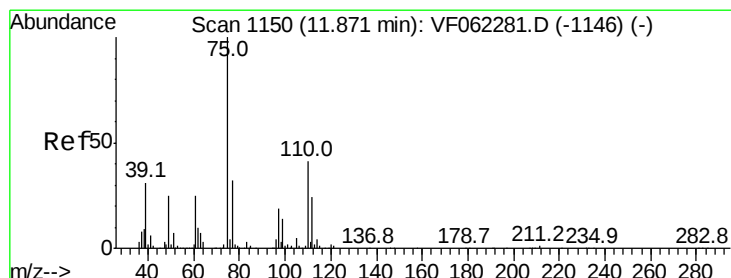
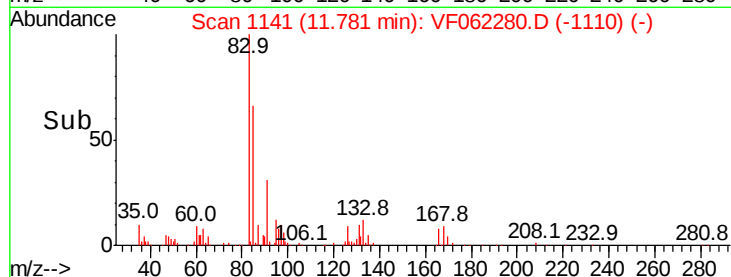
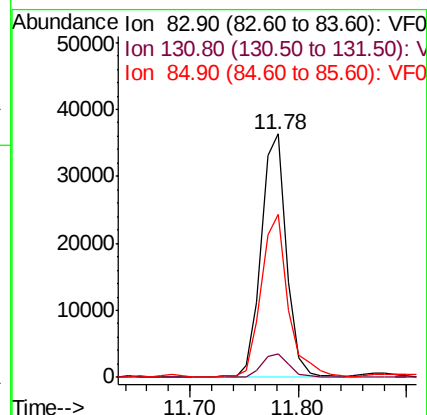
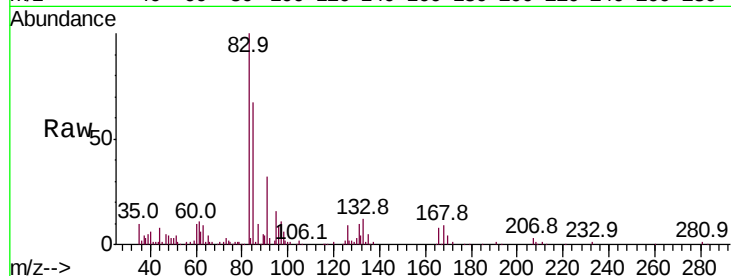
Tot Ion: 83 Resp: 59765

Ion Ratio Lower Upper

83 100

131 10.5 5.5 16.5

85 71.8 34.5 103.6



#76

1,2,3-Trichloropropane

Concen: 19.163 ug/l

RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062280.D

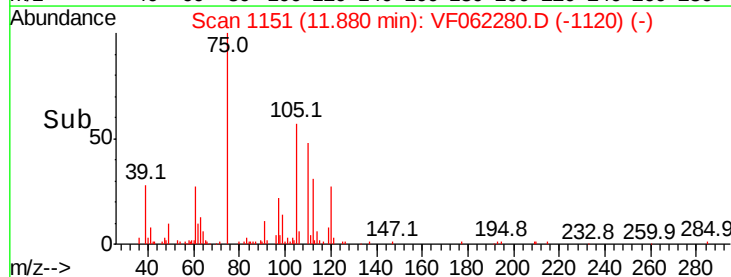
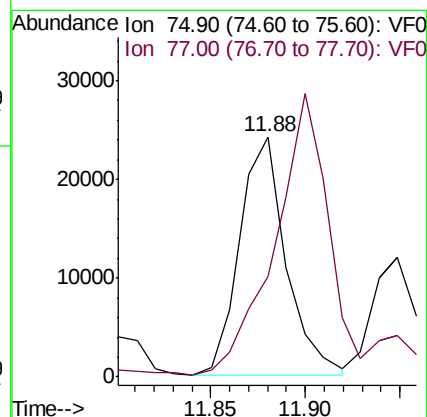
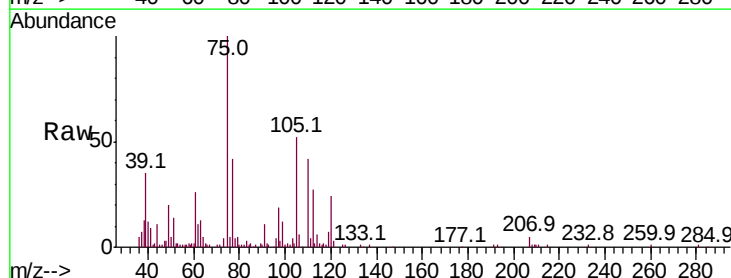
Acq: 24 Apr 2019 14:45

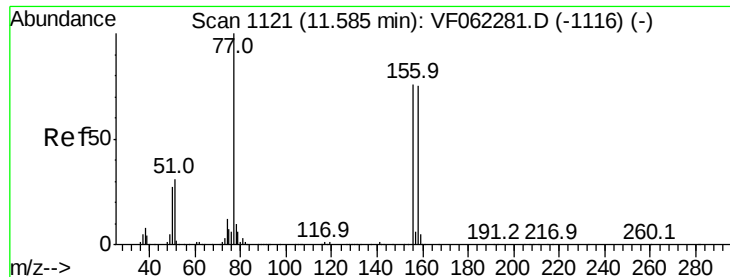
Tgt Ion: 75 Resp: 41268

Ion Ratio Lower Upper

75 100

77 150.0 0.0 0.0#





#77

Bromobenzene

Concen: 20.646 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

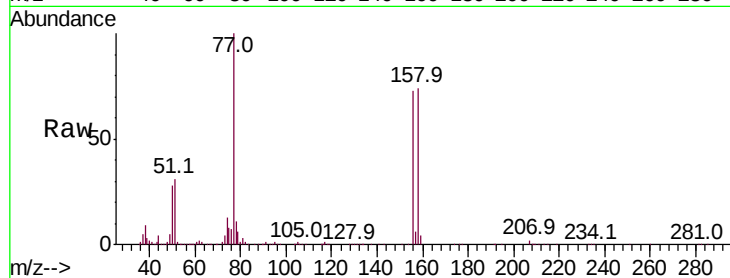
Tot Ion:156 Resp: 99369

Ion Ratio Lower Upper

156 100

77 135.9 67.3 201.9

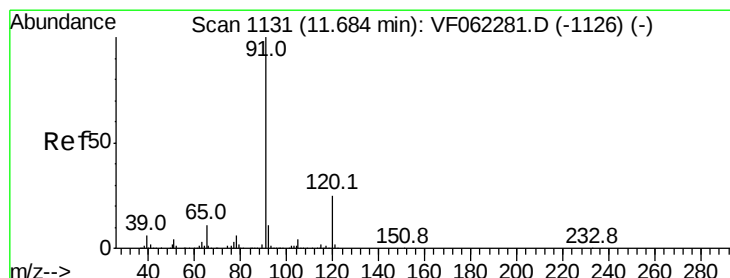
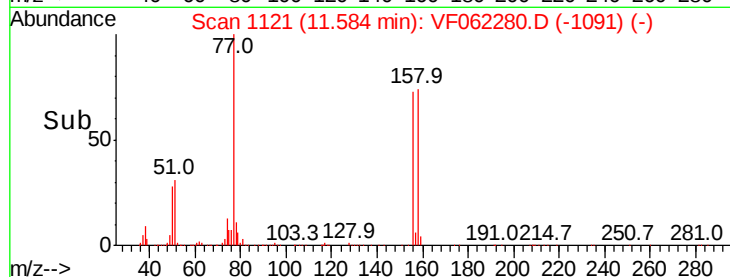
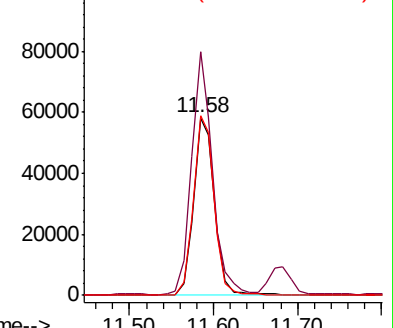
158 100.4 49.5 148.5



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.965 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF062280.D

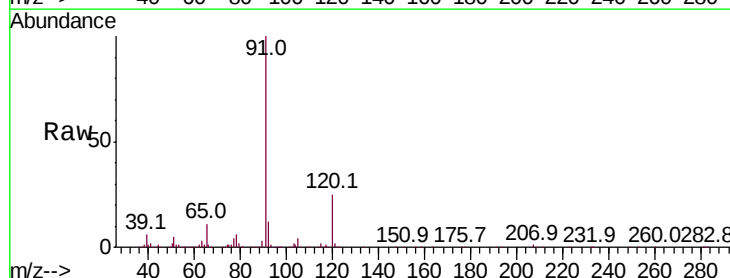
Acq: 24 Apr 2019 14:45

Tgt Ion: 91 Resp: 414606

Ion Ratio Lower Upper

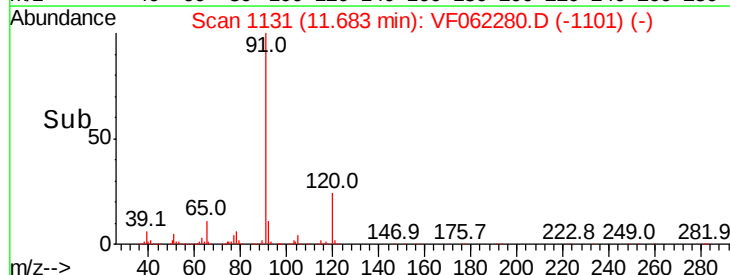
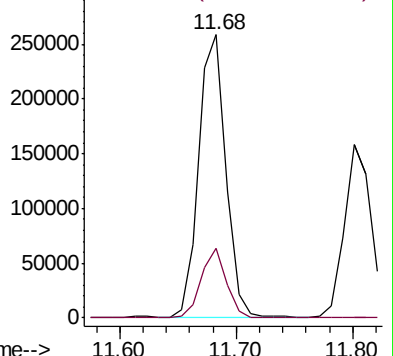
91 100

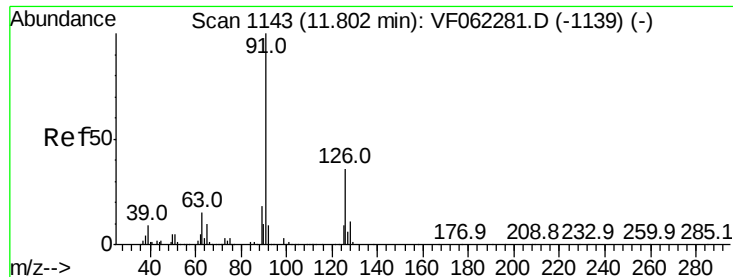
120 23.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.394 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

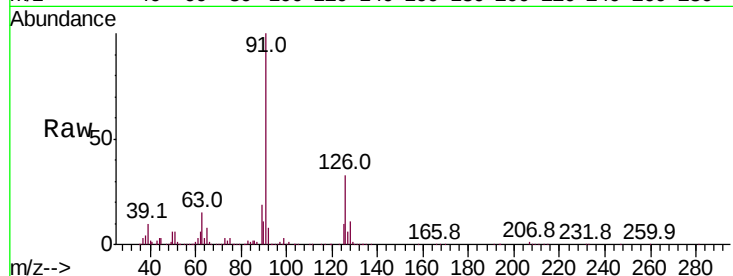
VSTDIC020

Tot Ion: 91 Resp: 251701

Ion Ratio Lower Upper

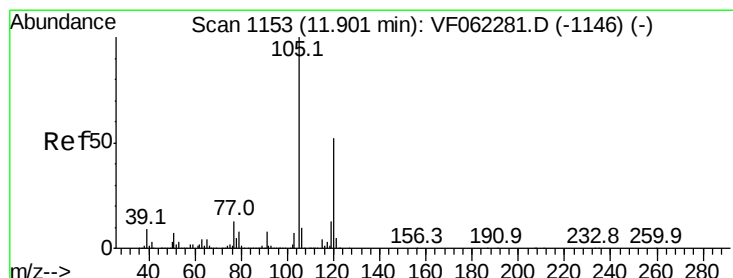
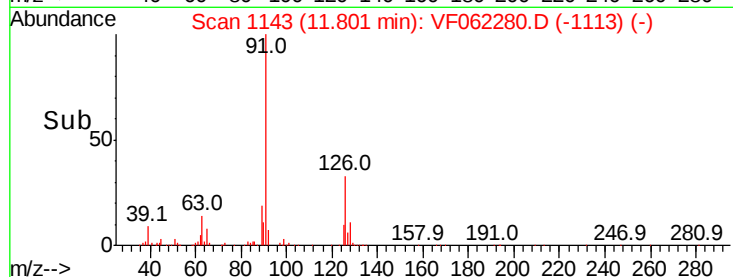
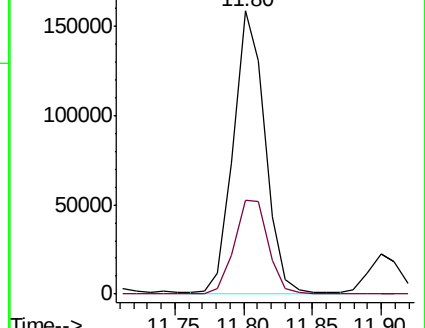
91 100

126 36.3 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.282 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062280.D

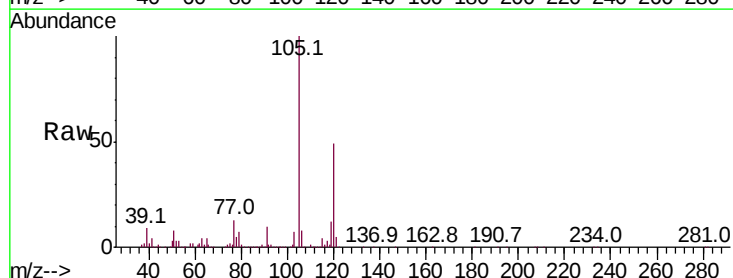
Acq: 24 Apr 2019 14:45

Tgt Ion:105 Resp: 338659

Ion Ratio Lower Upper

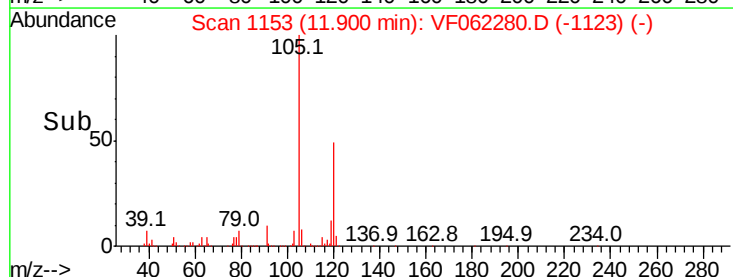
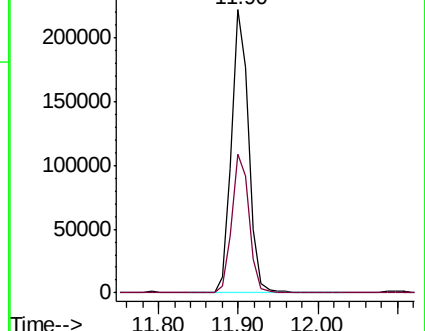
105 100

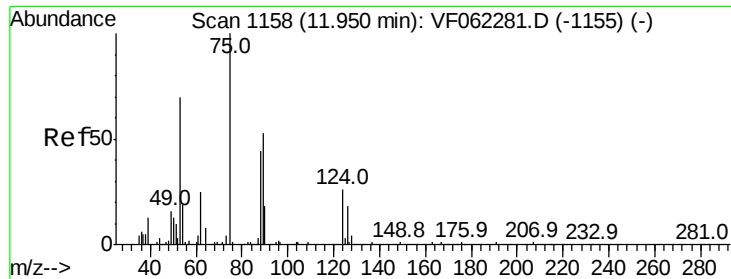
120 49.7 25.8 77.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 22.504 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

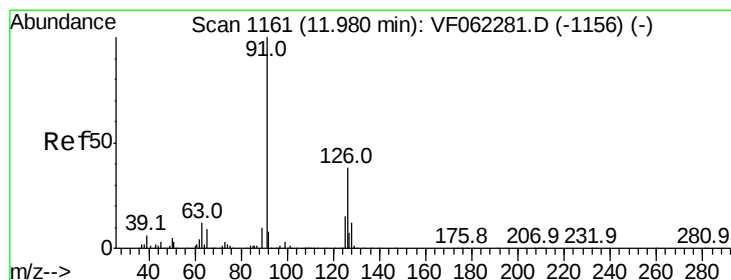
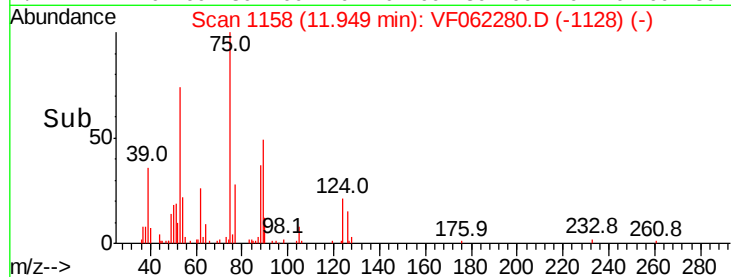
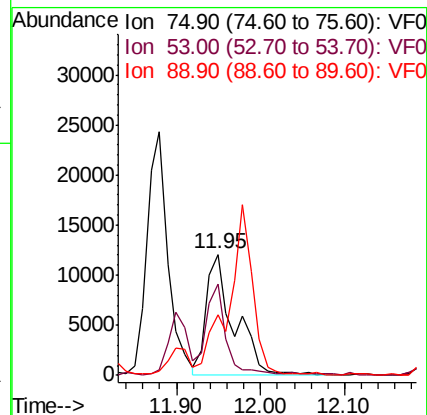
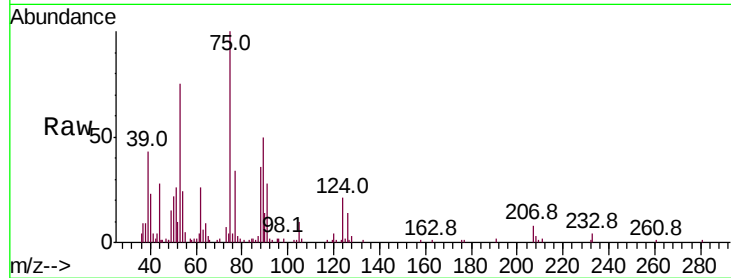
Tot Ion: 75 Resp: 28142

Ion Ratio Lower Upper

75 100

53 50.3 67.1 100.7#

89 0.0 0.0 0.0



#82

4-Chlorotoluene

Concen: 19.706 ug/l

RT: 11.98 min Scan# 1161

Delta R.T. -0.00 min

Lab File: VF062280.D

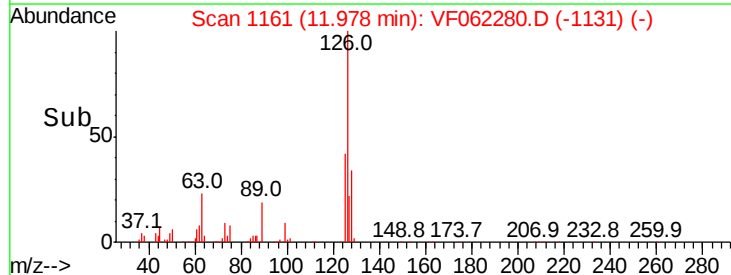
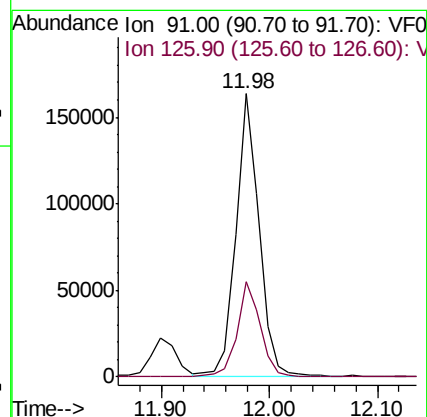
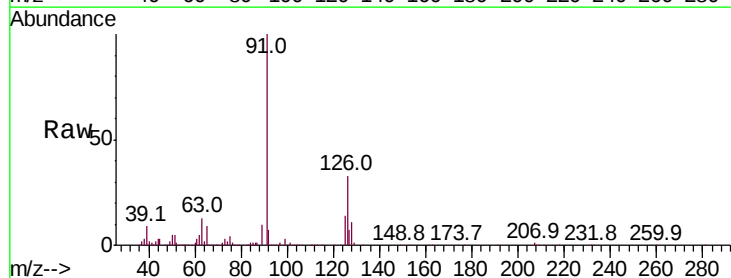
Acq: 24 Apr 2019 14:45

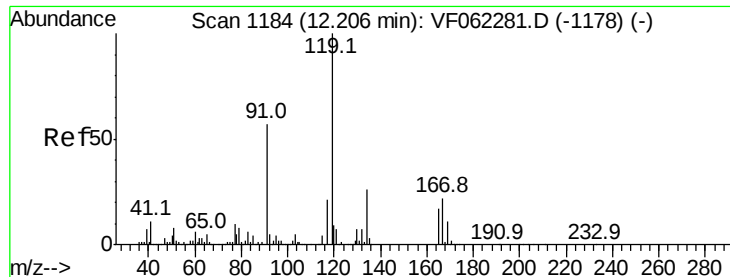
Tgt Ion: 91 Resp: 241023

Ion Ratio Lower Upper

91 100

126 34.4 17.3 52.0





#83

tert-Butylbenzene

Concen: 21.507 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

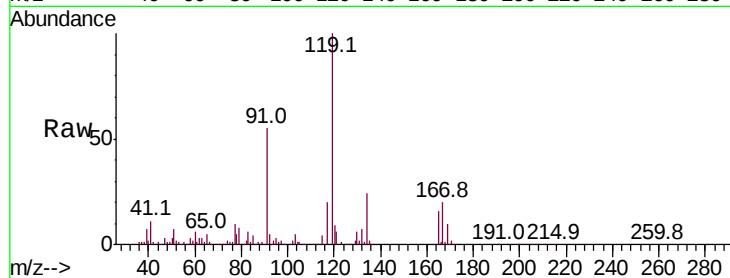
Tot Ion:119 Resp: 376516

Ion Ratio Lower Upper

119 100

91 57.2 29.4 88.2

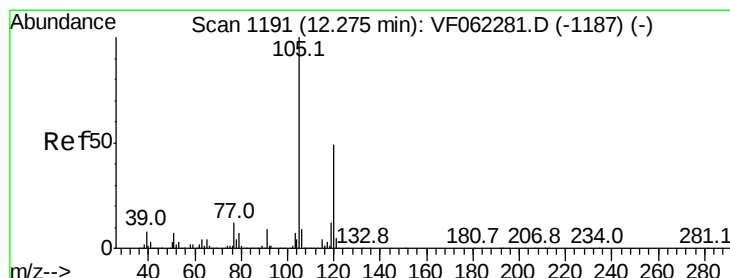
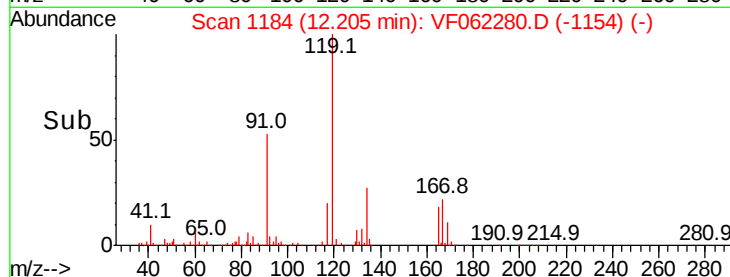
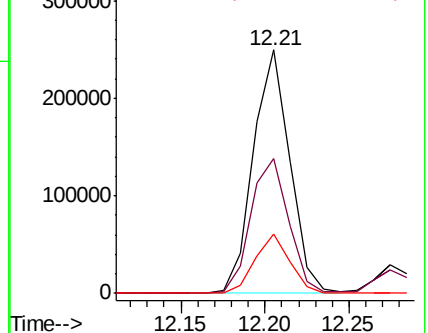
134 23.5 11.9 35.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.548 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VF062280.D

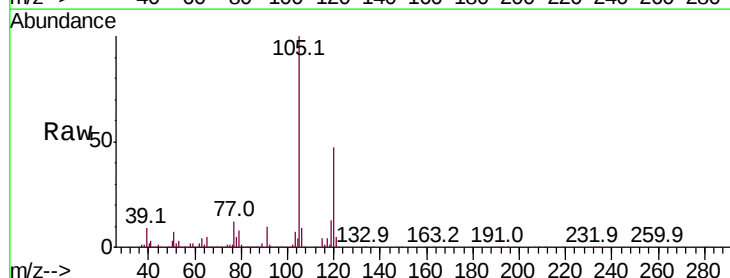
Acq: 24 Apr 2019 14:45

Tgt Ion:105 Resp: 337391

Ion Ratio Lower Upper

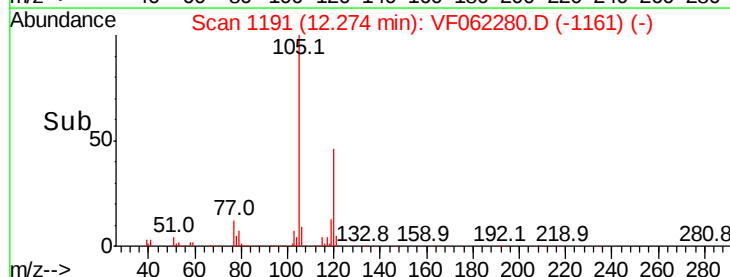
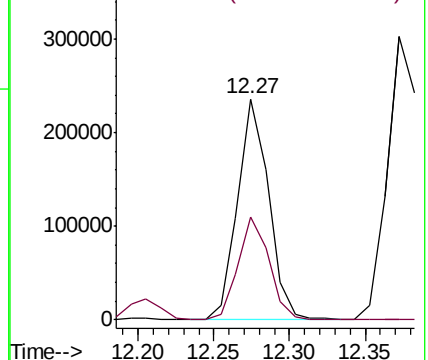
105 100

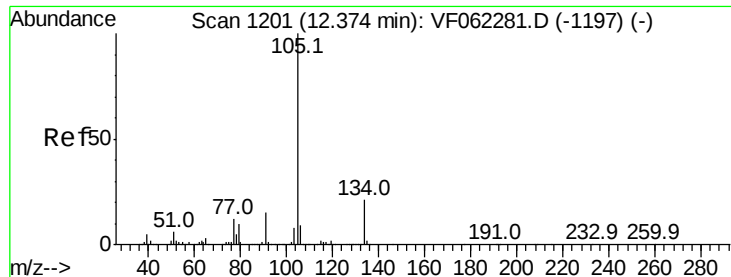
120 46.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.042 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

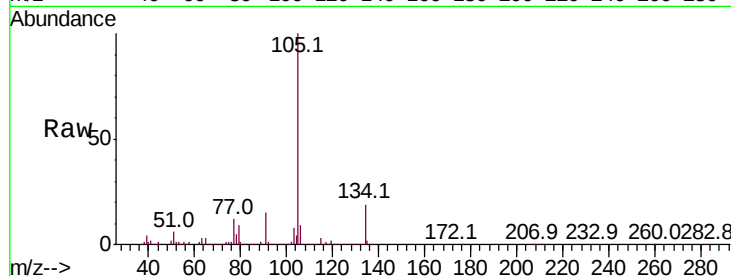
VSTDIC020

Tot Ion:105 Resp: 457304

Ion Ratio Lower Upper

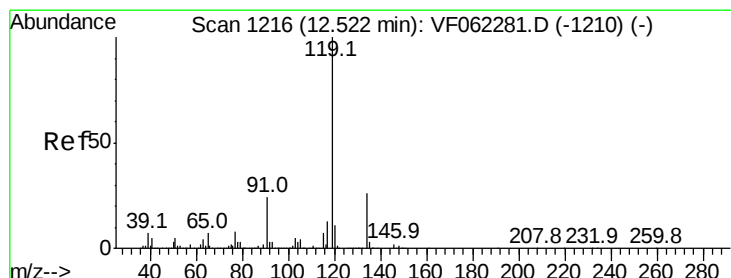
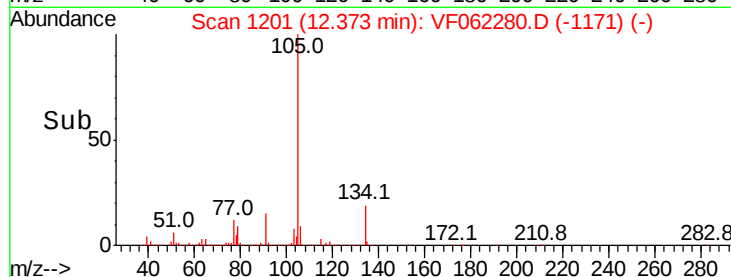
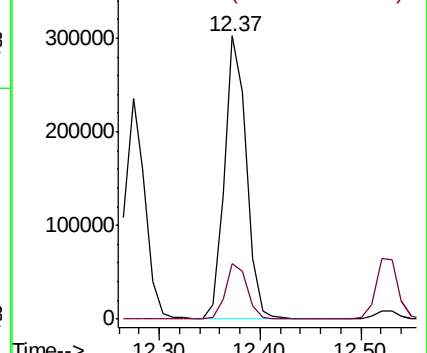
105 100

134 19.6 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.640 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

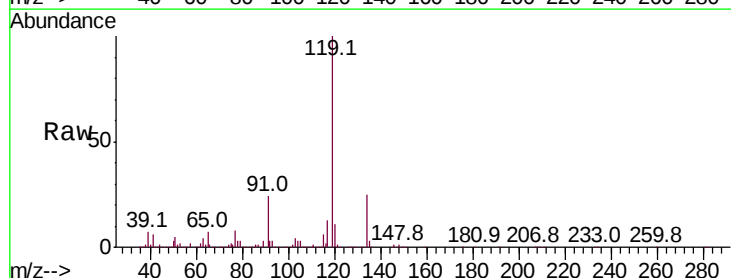
Tgt Ion:119 Resp: 399279

Ion Ratio Lower Upper

119 100

134 25.2 13.2 39.5

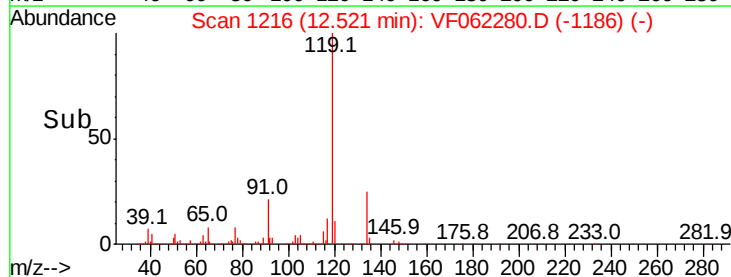
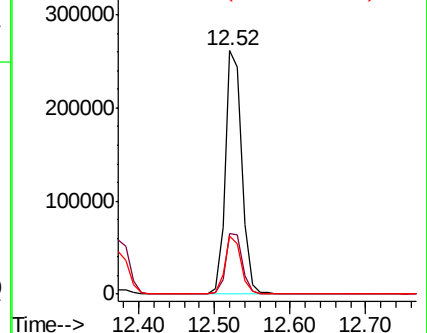
91 23.4 11.6 34.7

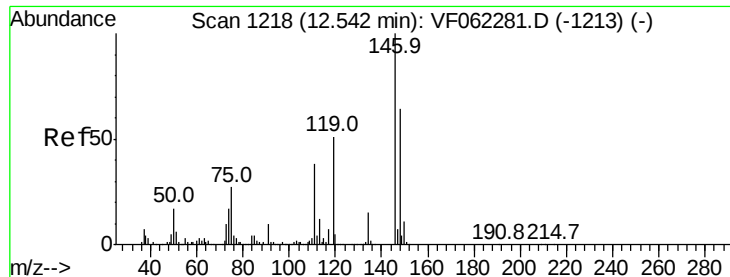


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

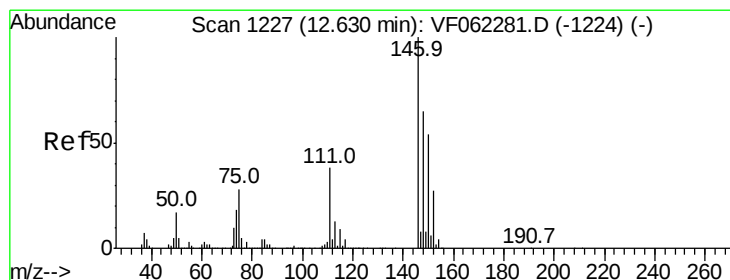
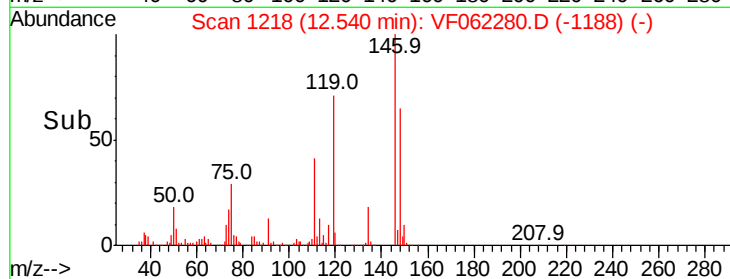
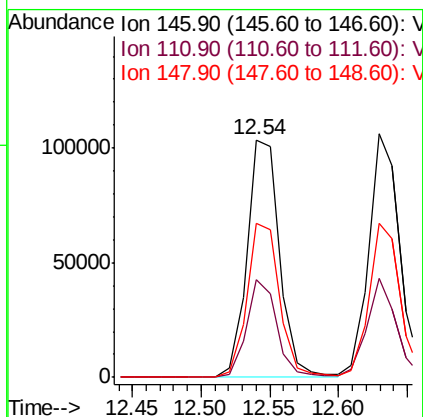
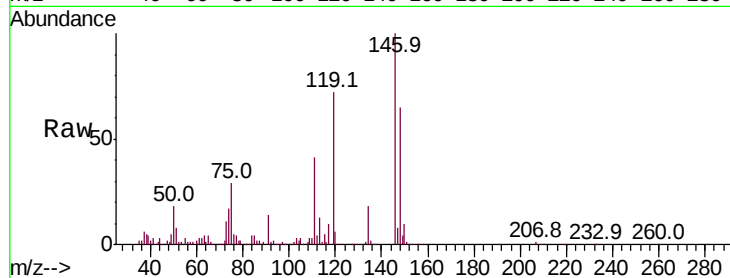




#87
 1,3-Dichlorobenzene
 Concen: 19.579 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

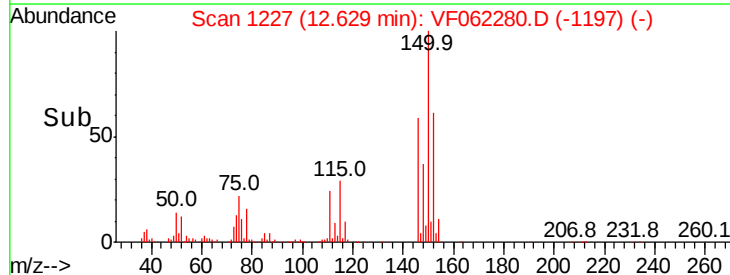
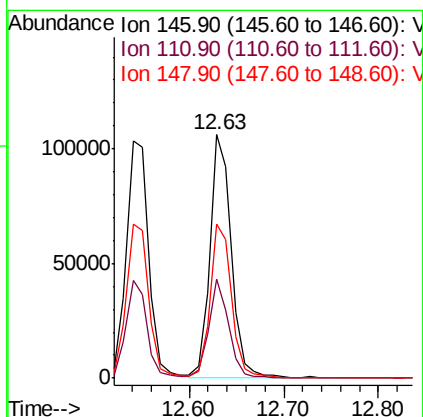
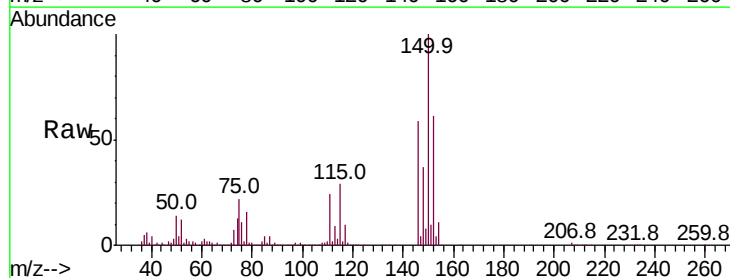
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

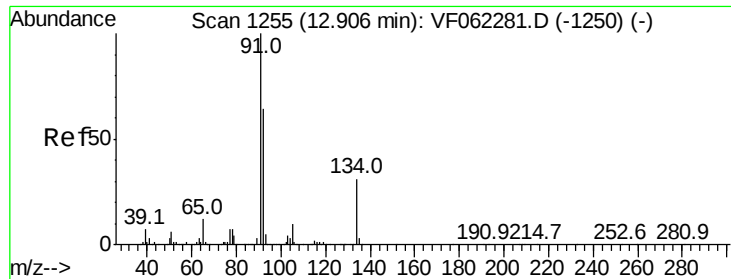
Tot Ion:146 Resp: 171463
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.6 55.8
 148 64.8 32.8 98.4



#88
 1,4-Dichlorobenzene
 Concen: 20.254 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion:146 Resp: 166325
 Ion Ratio Lower Upper
 146 100
 111 38.2 18.6 56.0
 148 63.9 32.5 97.5





#89

n-Butylbenzene

Concen: 20.355 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

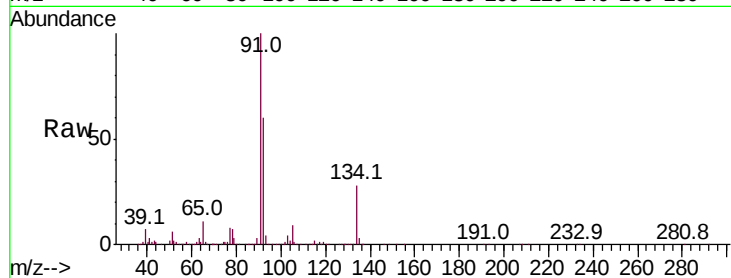
Tot Ion: 91 Resp: 367214

Ion	Ratio	Lower	Upper
91	100		
92	58.9	31.1	93.3
134	26.9	14.4	43.4

91 100

92 58.9 31.1 93.3

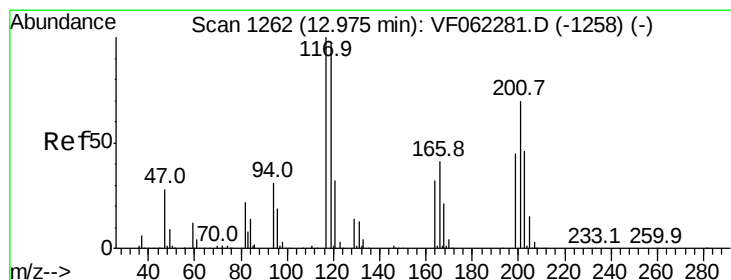
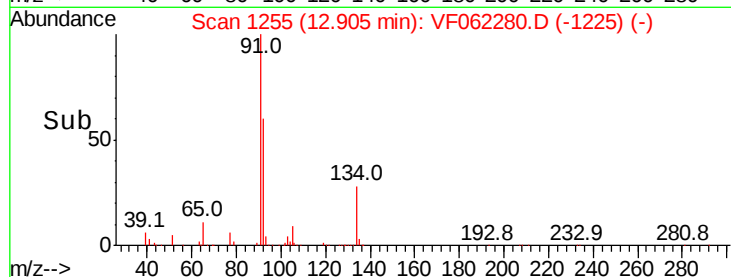
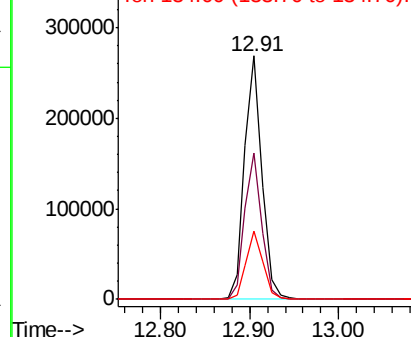
134 26.9 14.4 43.4



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: 21.235 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VF062280.D

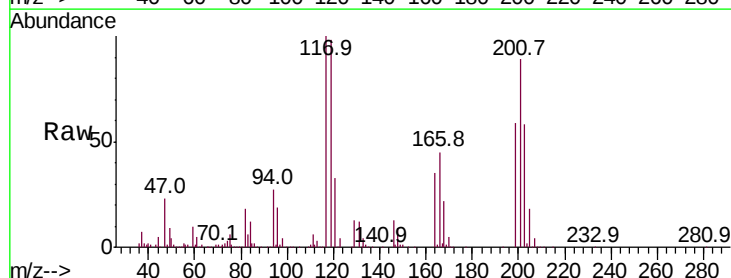
Acq: 24 Apr 2019 14:45

Tgt Ion: 117 Resp: 101921

Ion	Ratio	Lower	Upper
117	100		
201	86.5	42.9	128.5

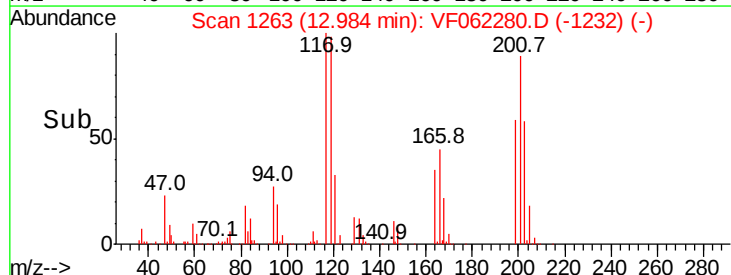
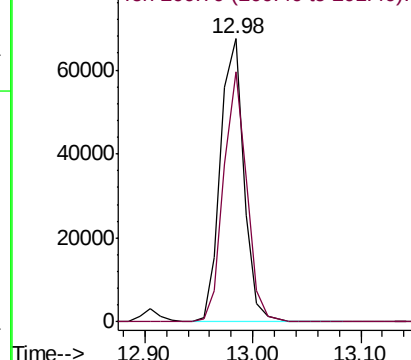
117 100

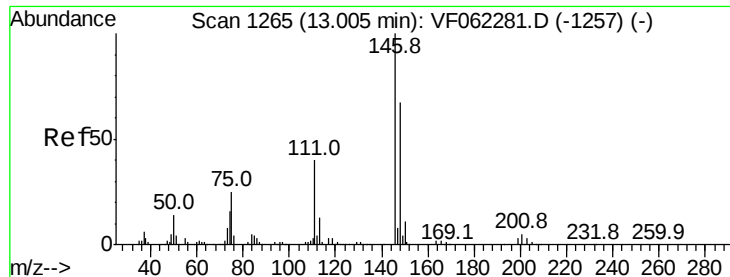
201 86.5 42.9 128.5



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 20.545 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

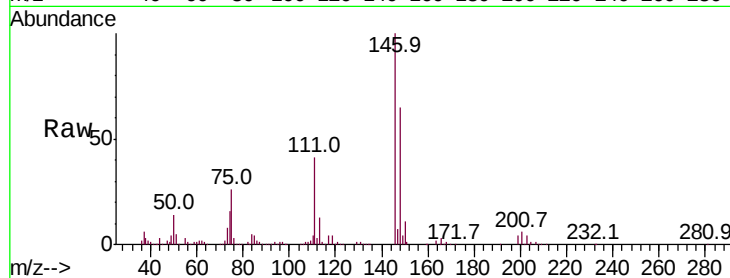
MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:146 Resp: 172967

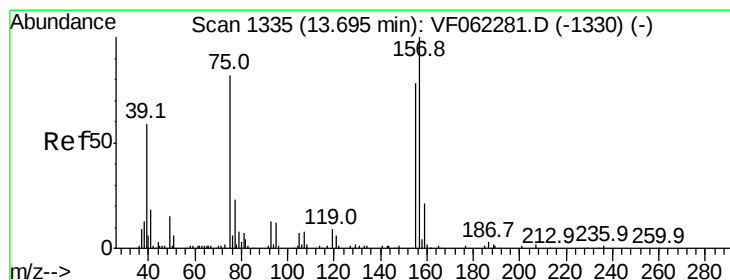
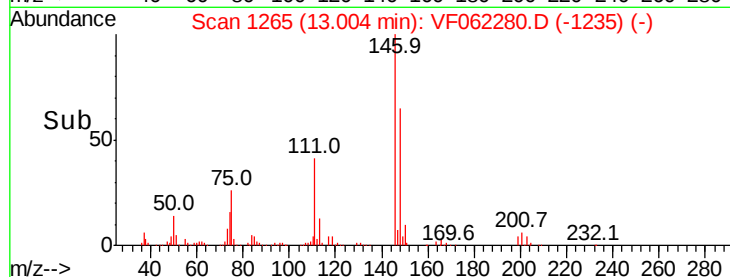
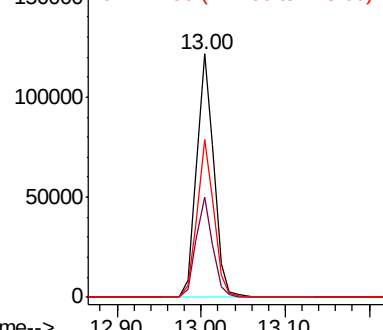
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.2	33.1	99.5



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: 19.650 ug/l

RT: 13.69 min Scan# 1335

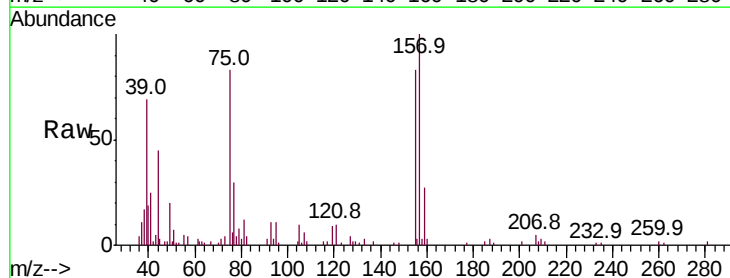
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion: 75 Resp: 11920

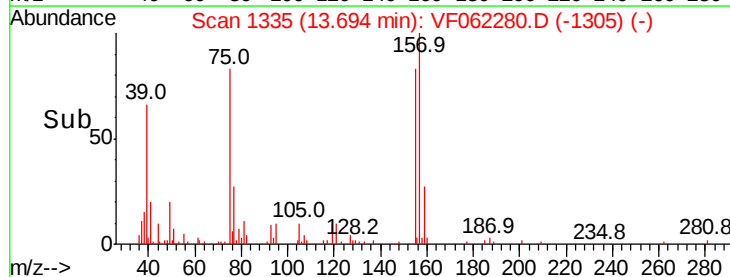
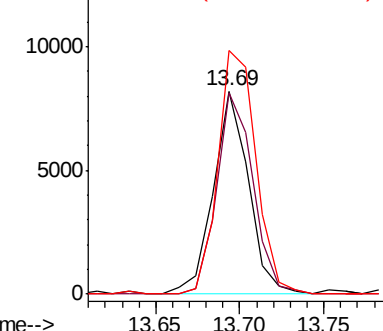
Ion	Ratio	Lower	Upper
75	100		
155	101.6	51.7	155.2
157	129.7	64.5	193.5

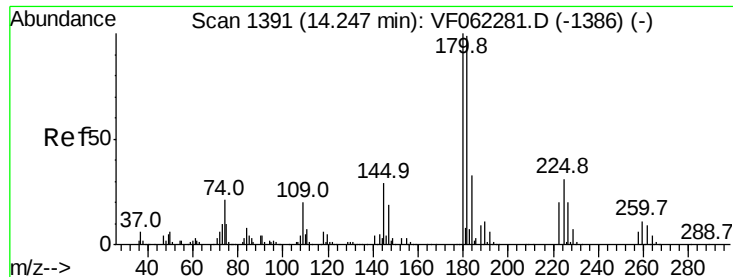


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

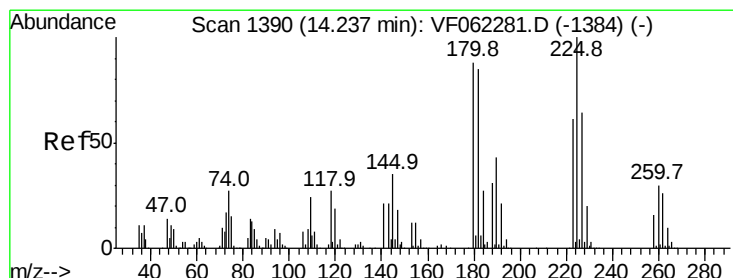
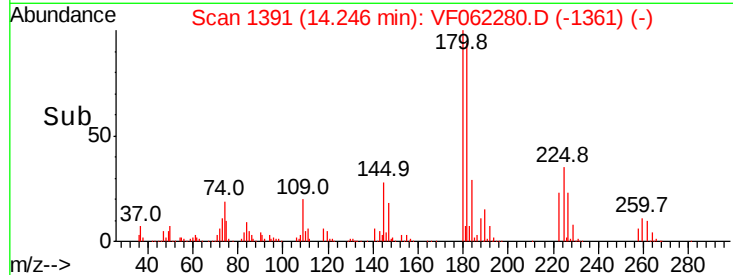
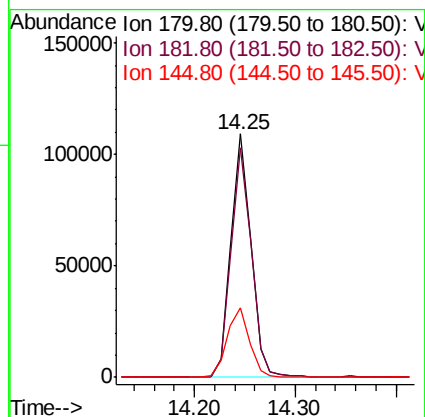
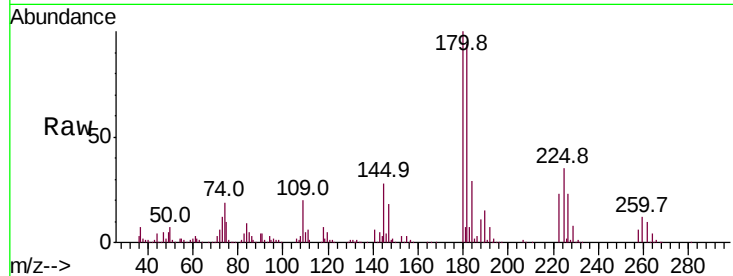




#93
 1,2,4-Trichlorobenzene
 Concen: 20.384 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

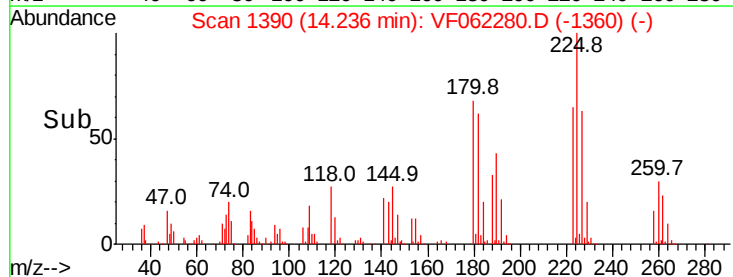
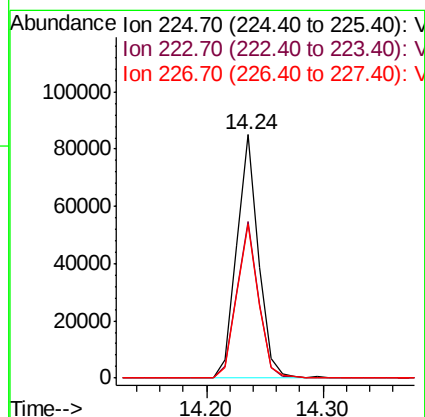
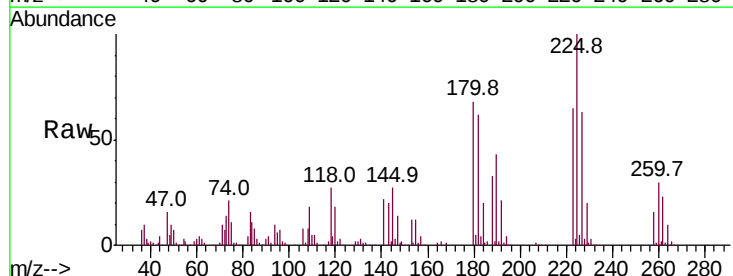
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

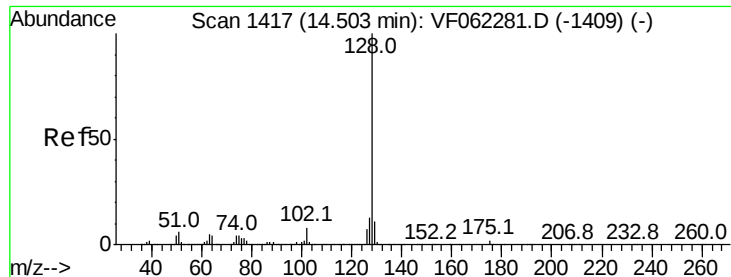
Tot Ion:180 Resp: 152048
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.5 145.6
 145 31.9 16.7 50.1



#94
 Hexachlorobutadiene
 Concen: 20.802 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion:225 Resp: 110134
 Ion Ratio Lower Upper
 225 100
 223 64.6 30.8 92.3
 227 63.4 31.9 95.5

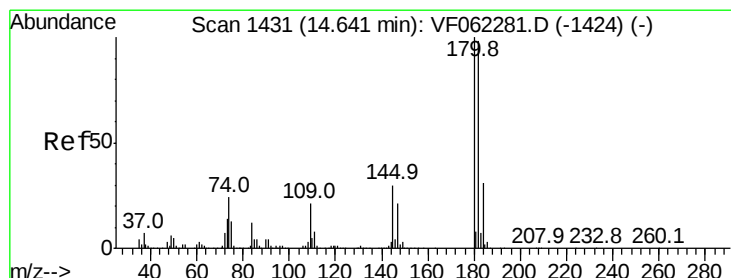
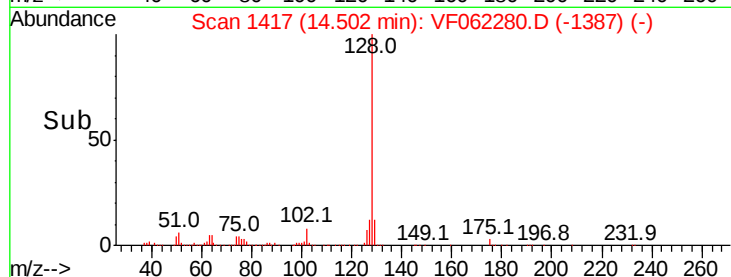
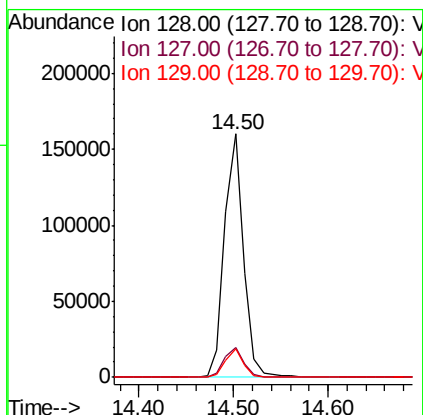
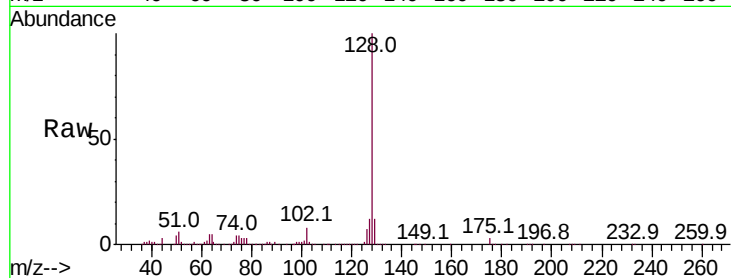




#95
Naphthalene
Concen: 20.180 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:128 Resp: 223505
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 11.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 20.585 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion:180 Resp: 141320
Ion Ratio Lower Upper
180 100
182 96.4 49.0 147.2
145 28.4 14.5 43.5

