

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120318\
 Data File : VF060907.D
 Acq On : 3 Dec 2018 22:41
 Operator : VA/AP
 Sample : J6139-02MS
 Misc : 6.92g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Quant Time: Dec 04 03:13:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	135528	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.61	114	245283	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.80	117	233288	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.57	152	119898	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	109401	68.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	137.04%	
35) Dibromofluoromethane	4.14	113	106431	54.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.40%	
50) Toluene-d8	7.58	98	307440	53.64	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.28%	
62) 4-Bromofluorobenzene	11.42	95	138468	53.15	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	101786	50.229	ug/l	99
3) Chloromethane	1.12	50	66615	50.518	ug/l	96
4) Vinyl Chloride	1.15	62	101676	82.664	ug/l	98
5) Bromomethane	1.34	94	45467	52.423	ug/l	91
6) Chloroethane	1.39	64	28484	53.573	ug/l	94
7) Trichlorofluoromethane	1.51	101	139279	52.776	ug/l	92
8) Diethyl Ether	1.64	74	20594	54.268	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.83	101	72305	54.195	ug/l	95
10) Methyl Iodide	1.91	142	107573	53.046	ug/l	94
11) Tert butyl alcohol	2.58	59	27363	418.093	ug/l #	92
12) 1,1-Dichloroethene	1.80	96	55981	52.167	ug/l	98
13) Acrolein	1.93	56	212	3.419	ug/l	94
14) Allyl chloride	2.10	41	72204	53.983	ug/l	98
15) Acrylonitrile	2.96	53	54151	369.059	ug/l	92
16) Acetone	2.25	43	144751	491.655	ug/l	94
17) Carbon Disulfide	1.86	76	144980	50.387	ug/l	98
18) Methyl Acetate	2.36	43	47401	97.536	ug/l	96
19) Methyl tert-butyl Ether	2.45	73	146938	60.794	ug/l	100
20) Methylene Chloride	2.25	84	47765	44.223	ug/l	91
21) trans-1,2-Dichloroethene	2.32	96	88310	85.359	ug/l	89
22) Diisopropyl ether	2.81	45	204897	56.278	ug/l	98
23) Vinyl Acetate	3.21	43	414371	248.985	ug/l	99
24) 1,1-Dichloroethane	2.89	63	120178	55.480	ug/l	98
25) 2-Butanone	4.35	43	175228	344.100	ug/l	100
26) 2,2-Dichloropropane	3.62	77	64398	45.857	ug/l	95
27) cis-1,2-Dichloroethene	3.49	96	380648	225.999	ug/l	97
28) Bromochloromethane	3.74	49	64537	62.080	ug/l	91
29) Tetrahydrofuran	4.10	42	77514	359.098	ug/l	96
30) Chloroform	3.88	83	183440	55.024	ug/l	98
31) Cyclohexane	3.72	56	108953	48.466	ug/l	98
32) 1,1,1-Trichloroethane	4.12	97	129411	55.972	ug/l	95
36) 1,1-Dichloropropene	4.30	75	121926	44.816	ug/l	94
37) Ethyl Acetate	4.13	43	70935	64.161	ug/l	85
38) Carbon Tetrachloride	4.02	117	117877	49.055	ug/l	99

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 QLast Update : Tue Nov 27 01:36:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.48	83	114118	40.026	ug/l	97
40) Benzene	4.66	78	265404	44.158	ug/l	98
41) Methacrylonitrile	4.77	41	38826	69.328	ug/l	93
42) 1,2-Dichloroethane	4.96	62	122611	55.878	ug/l	97
43) Isopropyl Acetate	6.99	43	88299	65.579	ug/l #	100
44) Trichloroethene	5.53	130	243354	123.833	ug/l	95
45) 1,2-Dichloropropane	6.26	63	78339	50.186	ug/l	93
46) Dibromomethane	6.11	93	58023	54.795	ug/l	95
47) Bromodichloromethane	6.40	83	144467	51.367	ug/l	96
48) Methyl methacrylate	6.74	41	60403	60.358	ug/l	90
49) 1,4-Dioxane	6.73	88	8253	1126.825	ug/l	93
51) 4-Methyl-2-Pentanone	8.28	43	319413	313.297	ug/l	98
52) Toluene	7.65	92	185473	43.933	ug/l	91
53) t-1,3-Dichloropropene	8.30	75	120495	52.671	ug/l	91
54) cis-1,3-Dichloropropene	7.32	75	142486	50.311	ug/l	96
55) 1,1,2-Trichloroethane	8.51	97	69196	56.249	ug/l	97
56) Ethyl methacrylate	8.64	69	80860	59.171	ug/l	97
57) 1,3-Dichloropropane	8.88	76	120261	55.877	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	41297	295.445	ug/l	94
59) 2-Hexanone	9.51	43	244697	342.111	ug/l	98
60) Dibromochloromethane	8.74	129	97219	53.041	ug/l	99
61) 1,2-Dibromoethane	9.01	107	71557	53.845	ug/l	100
64) Tetrachloroethene	8.18	164	110199	61.845	ug/l	98
65) Chlorobenzene	9.82	112	217142	47.846	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	90962	46.622	ug/l	94
67) Ethyl Benzene	9.92	91	385767	45.658	ug/l	98
68) m/p-Xylenes	10.15	106	265154	87.257	ug/l	93
69) o-Xylene	10.73	106	158452	47.286	ug/l	90
70) Styrene	10.80	104	228524	49.197	ug/l	98
71) Bromoform	10.79	173	56484	59.936	ug/l #	93
73) Isopropylbenzene	11.14	105	448850	47.372	ug/l	100
74) N-amyl acetate	11.38	43	138744	63.414	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.71	83	97917	62.792	ug/l	97
76) 1,2,3-Trichloropropane	11.81	75	72115	63.624	ug/l	96
77) Bromobenzene	11.51	156	102949	49.560	ug/l	89
78) n-propylbenzene	11.61	91	516032	46.506	ug/l	98
79) 2-Chlorotoluene	11.73	91	312241	49.077	ug/l	94
80) 1,3,5-Trimethylbenzene	11.84	105	357337	46.456	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	40782	73.435	ug/l #	93
82) 4-Chlorotoluene	11.92	91	311841	46.575	ug/l	97
83) tert-Butylbenzene	12.14	119	344632	43.985	ug/l	93
84) 1,2,4-Trimethylbenzene	12.22	105	356659	46.460	ug/l	98
85) sec-Butylbenzene	12.32	105	486167	45.326	ug/l	98
86) p-Isopropyltoluene	12.47	119	405884	45.135	ug/l	97
87) 1,3-Dichlorobenzene	12.49	146	184307	46.645	ug/l	98
88) 1,4-Dichlorobenzene	12.58	146	180014	46.749	ug/l	97
89) n-Butylbenzene	12.85	91	395241	43.467	ug/l	97
90) Hexachloroethane	12.93	117	100628	46.470	ug/l	88
91) 1,2-Dichlorobenzene	12.95	146	183947	49.159	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	21011	69.691	ug/l	73

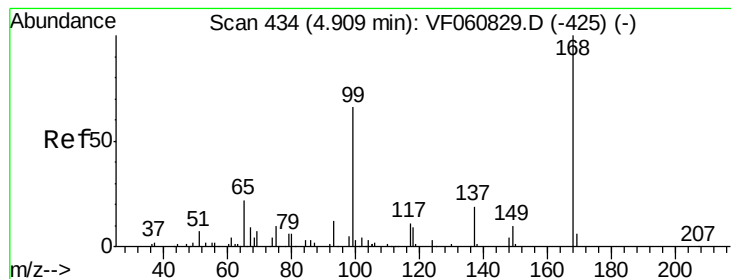
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF120318\
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QLast Update : Tue Nov 27 01:36:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	118355	45.268	ug/l	98
94) Hexachlorobutadiene	14.21	225	69082	39.636	ug/l	96
95) Naphthalene	14.47	128	279951	55.556	ug/l	99
96) 1,2,3-Trichlorobenzene	14.62	180	116319	47.915	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

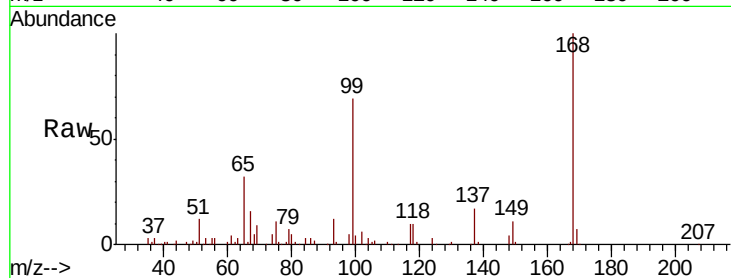
S49-0483MS

Tot Ion:168 Resp: 135528

Ion Ratio Lower Upper

168 100

99 68.5 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

50000

40000

30000

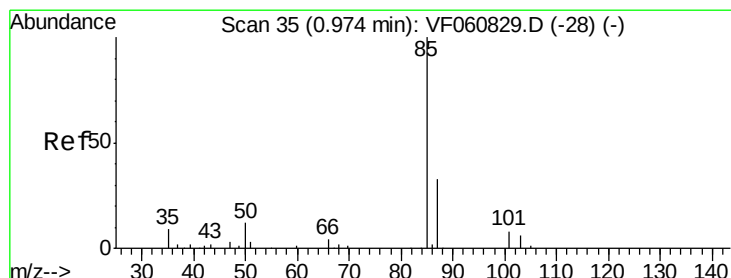
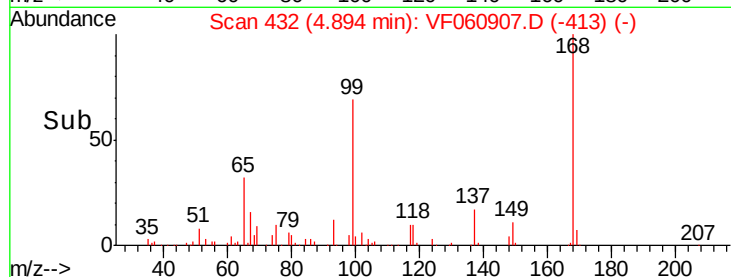
20000

10000

0

Time-->

4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 50.229 ug/l

RT: 0.97 min Scan# 34

Delta R.T. -0.01 min

Lab File: VF060907.D

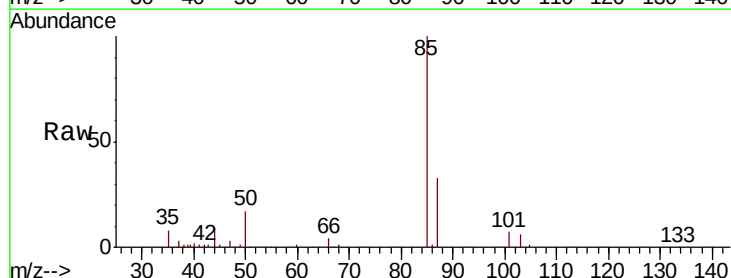
Acq: 3 Dec 2018 22:41

Tgt Ion: 85 Resp: 101786

Ion Ratio Lower Upper

85 100

87 32.6 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

30000

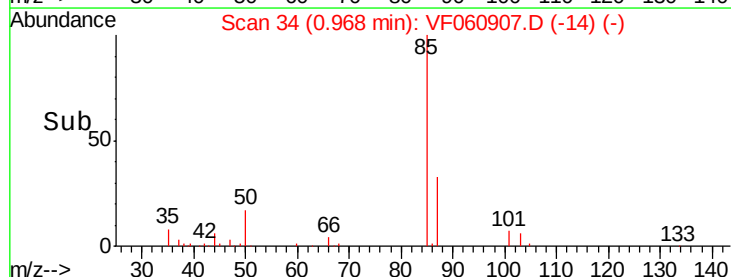
20000

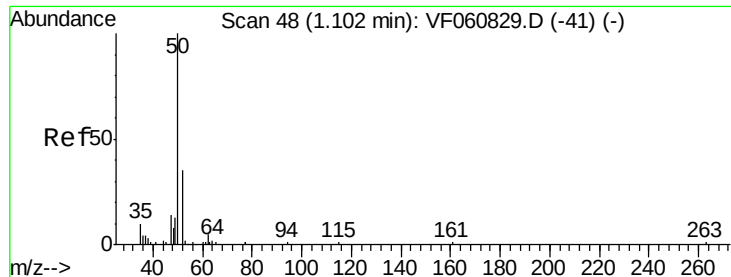
10000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 50.518 ug/l

RT: 1.12 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

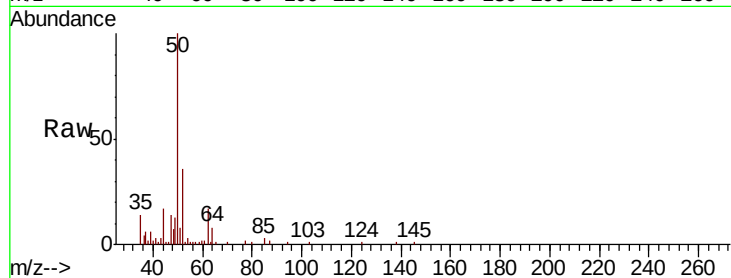
S49-0483MS

Tot Ion: 50 Resp: 66615

Ion Ratio Lower Upper

50 100

52 35.7 27.0 40.4



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

1.12

15000

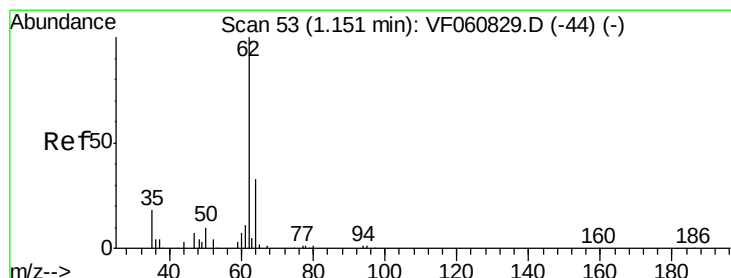
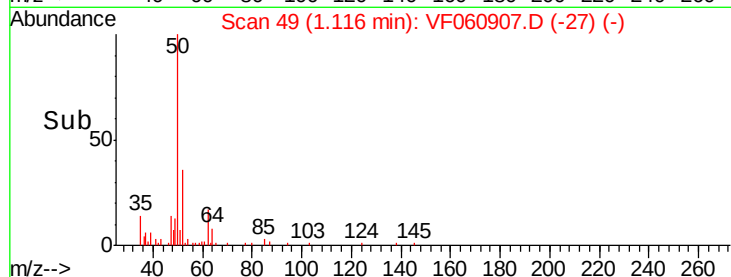
10000

5000

0

Time-->

1.00 1.10 1.20 1.30



#4

Vinyl Chloride

Concen: 82.664 ug/l

RT: 1.15 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF060907.D

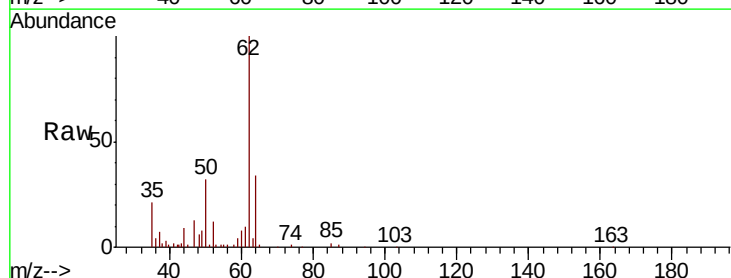
Acq: 3 Dec 2018 22:41

Tgt Ion: 62 Resp: 101676

Ion Ratio Lower Upper

62 100

64 34.4 26.4 39.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

30000

25000

20000

15000

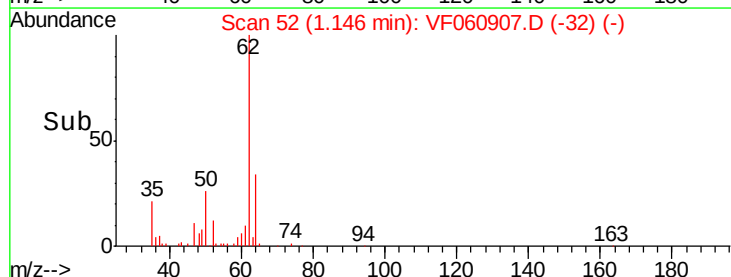
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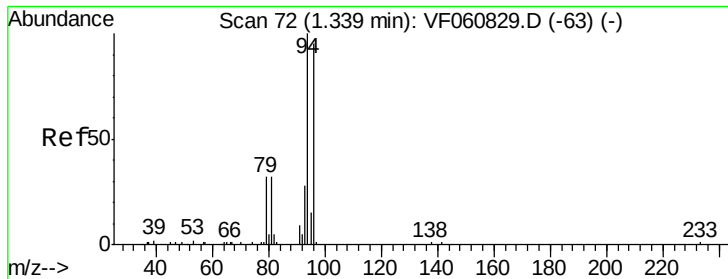
5000

0

Time-->

1.00 1.10 1.20 1.30





#5

Bromomethane

Concen: 52.423 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.00 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampled :

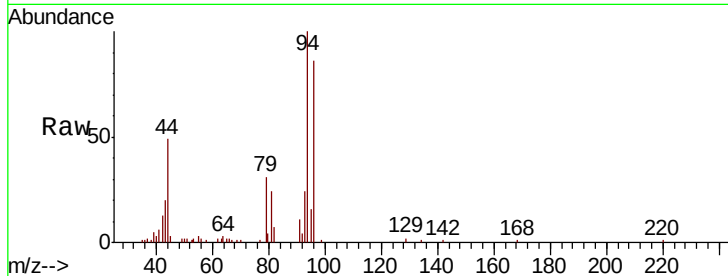
S49-0483MS

Tot Ion: 94 Resp: 45467

Ion Ratio Lower Upper

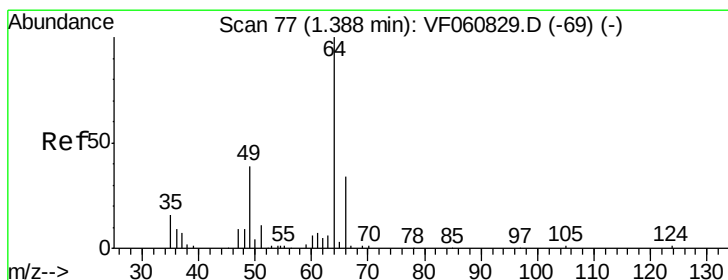
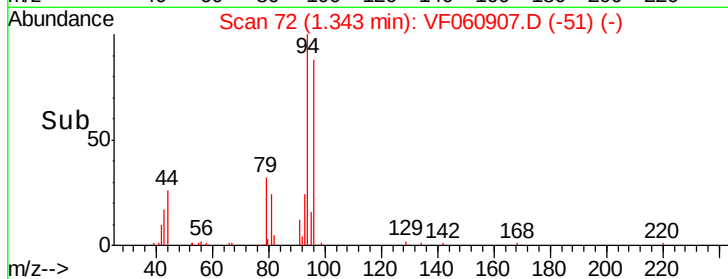
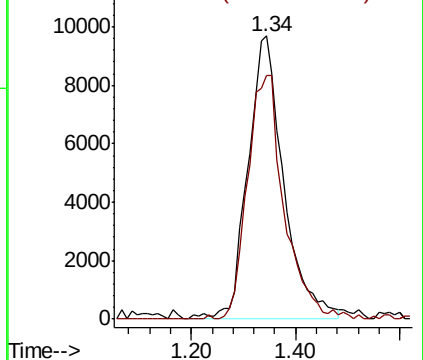
94 100

96 86.1 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 53.573 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF060907.D

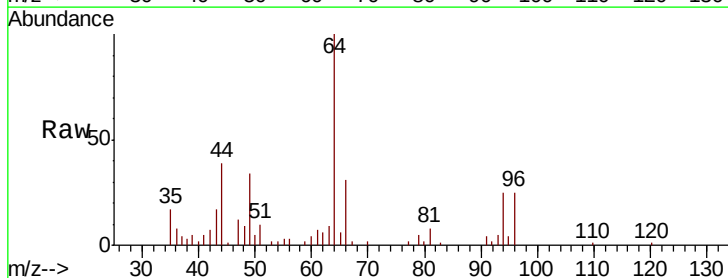
Acq: 3 Dec 2018 22:41

Tgt Ion: 64 Resp: 28484

Ion Ratio Lower Upper

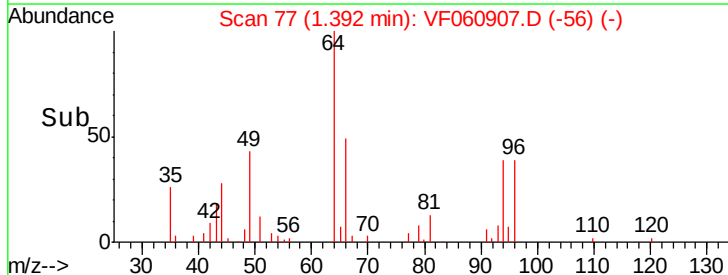
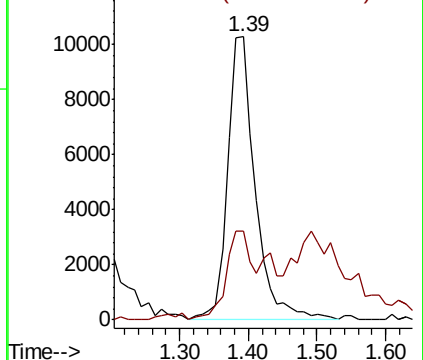
64 100

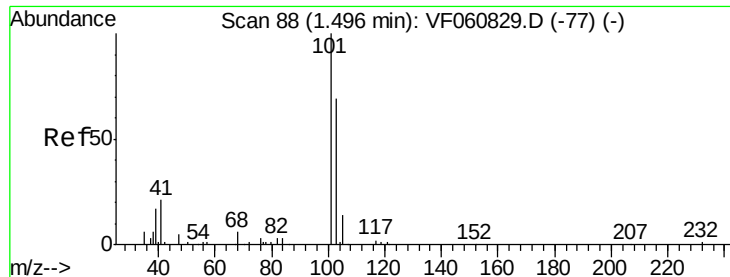
66 31.3 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



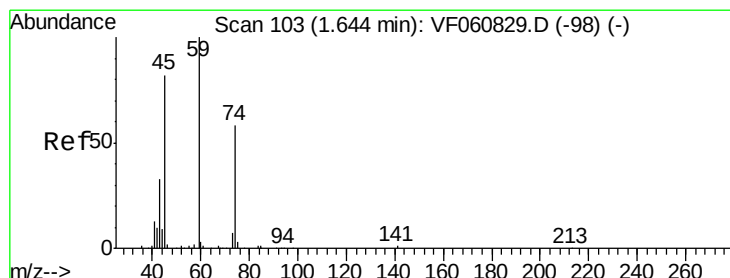
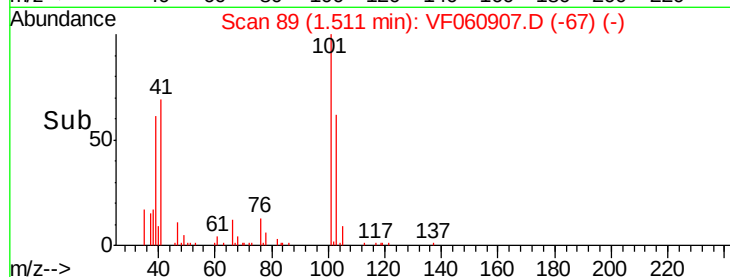
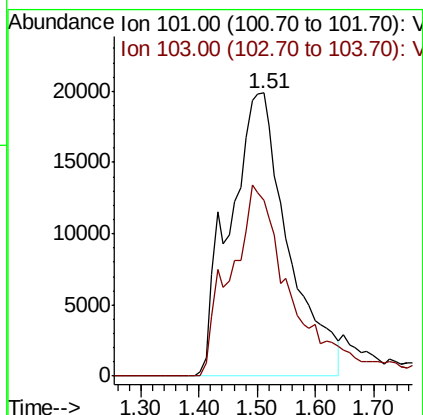
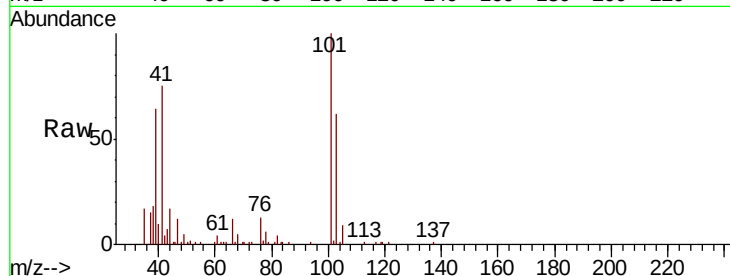


#7

Trichlorofluoromethane
Concen: 52.776 ug/l
RT: 1.51 min Scan# 89
Delta R.T. 0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

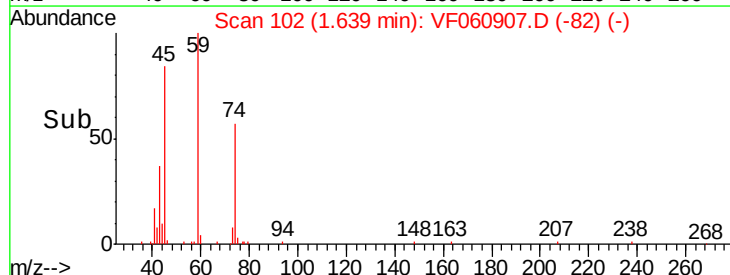
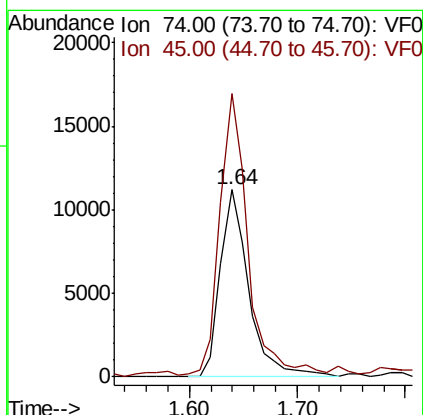
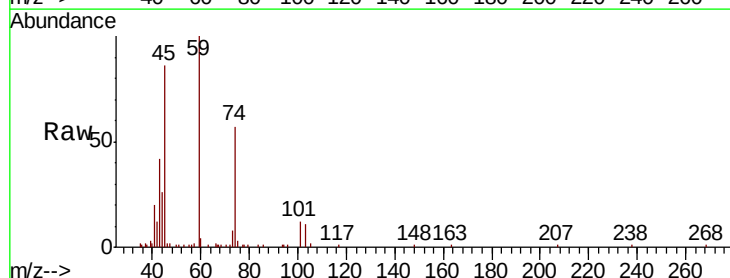
Tot Ion:101 Resp: 139279
Ion Ratio Lower Upper
101 100
103 62.3 55.4 83.0

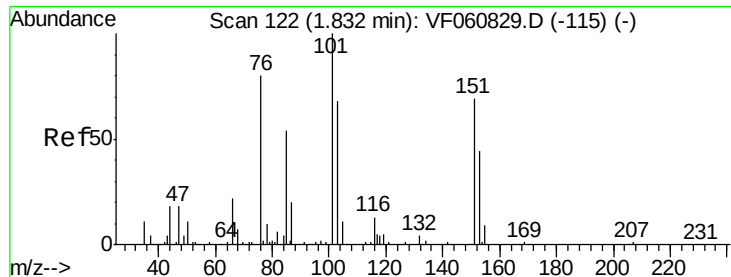


#8

Diethyl Ether
Concen: 54.268 ug/l
RT: 1.64 min Scan# 102
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 74 Resp: 20594
Ion Ratio Lower Upper
74 100
45 151.3 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.195 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

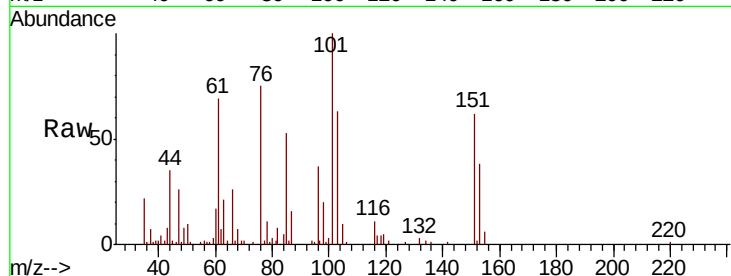
Tot Ion:101 Resp: 72305

Ion Ratio Lower Upper

101 100

85 53.3 42.8 64.2

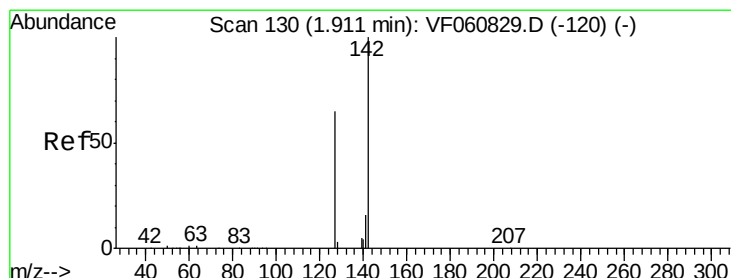
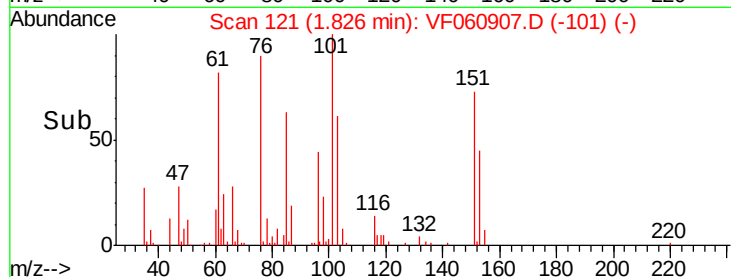
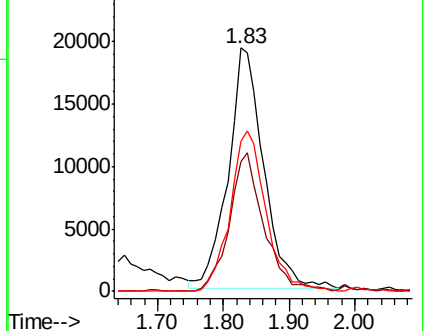
151 61.7 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 53.046 ug/l

RT: 1.91 min Scan# 129

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

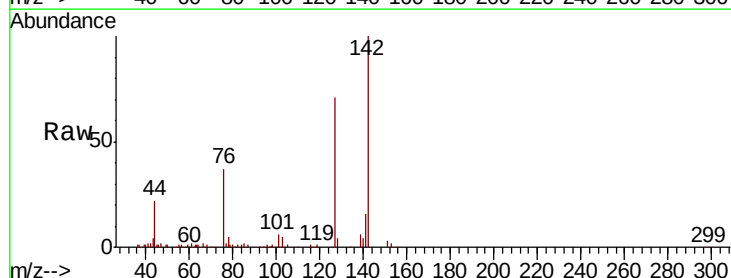
Tgt Ion:142 Resp: 107573

Ion Ratio Lower Upper

142 100

127 70.9 51.9 77.9

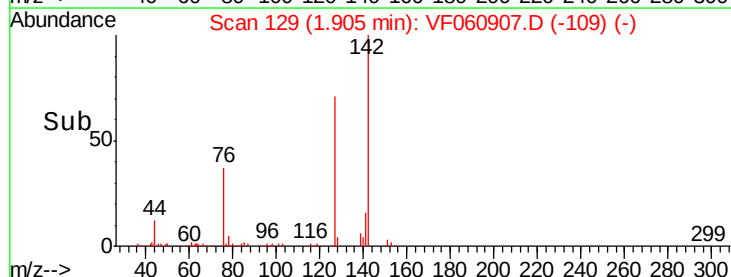
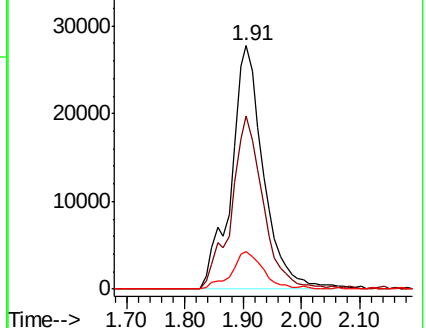
141 15.6 12.7 19.1

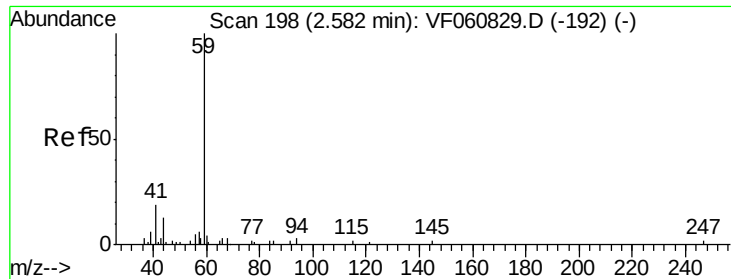


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

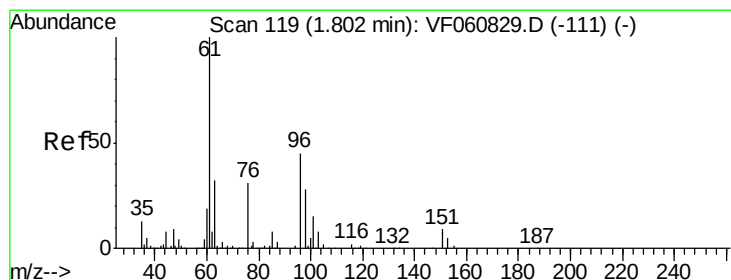
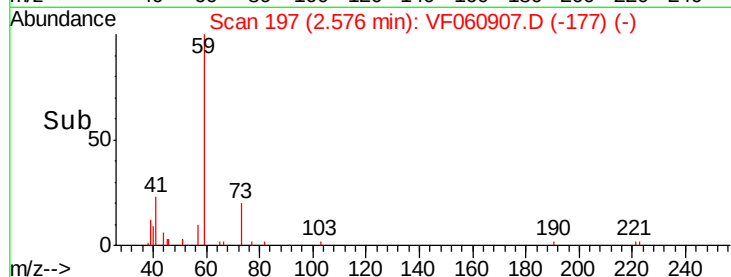
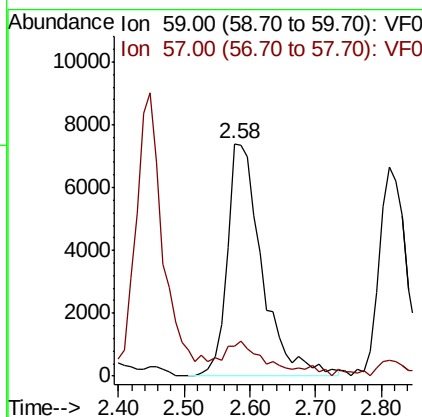
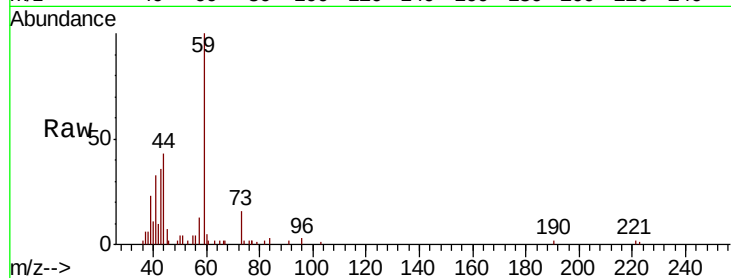




#11
Tert butyl alcohol
Concen: 418.093 ug/l
RT: 2.58 min Scan# 197
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

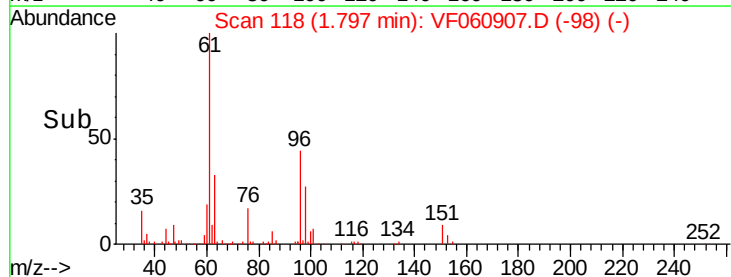
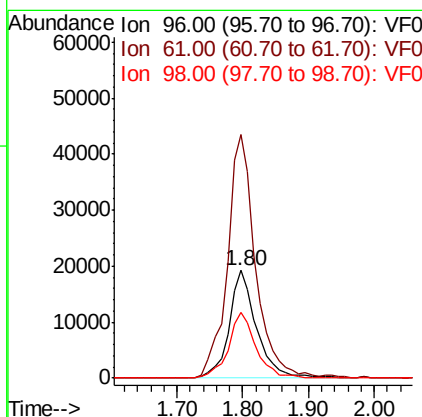
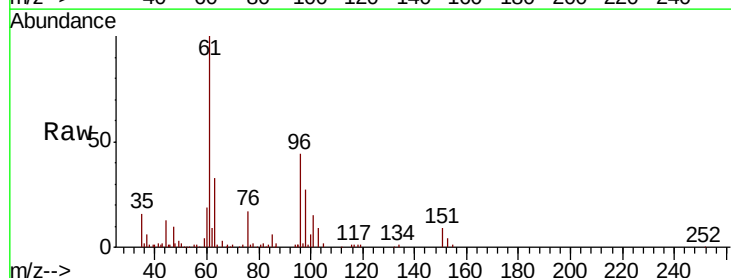
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

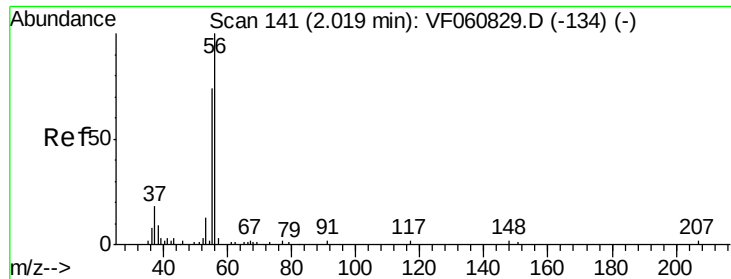
Tot Ion: 59 Resp: 27363
Ion Ratio Lower Upper
59 100
57 12.6 12.7 19.1#



#12
1,1-Dichloroethene
Concen: 52.167 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 96 Resp: 55981
Ion Ratio Lower Upper
96 100
61 226.0 177.3 265.9
98 61.2 49.6 74.4

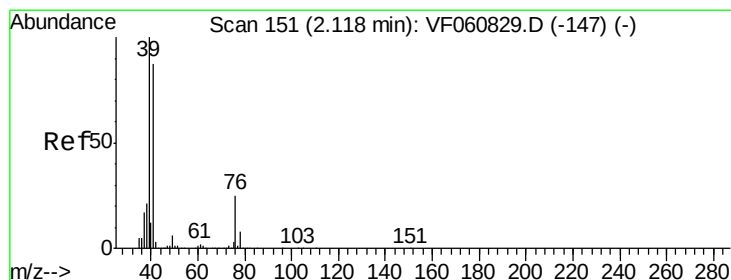
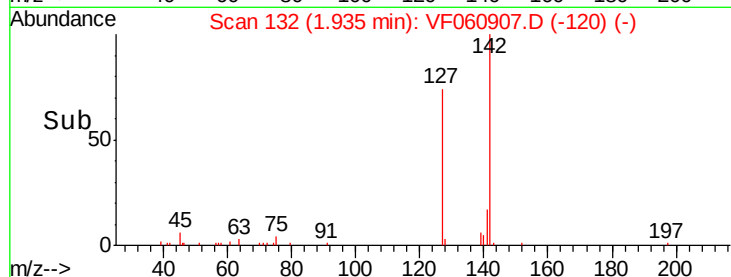
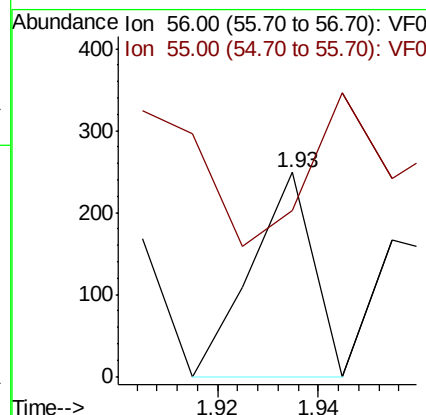
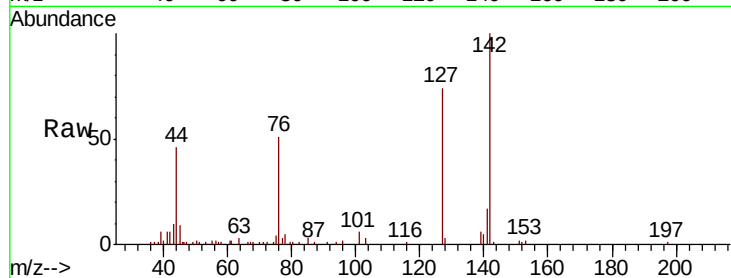




#13
Acrolein
Concen: 3.419 ug/l
RT: 1.93 min Scan# 132
Delta R.T. -0.08 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

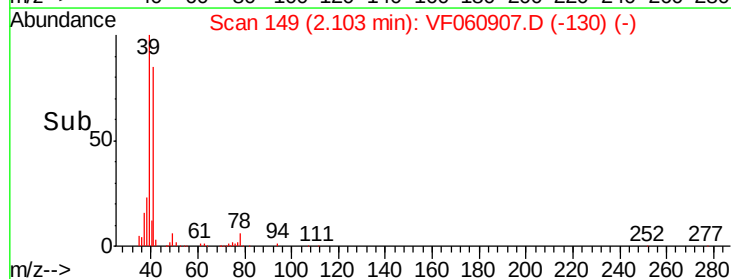
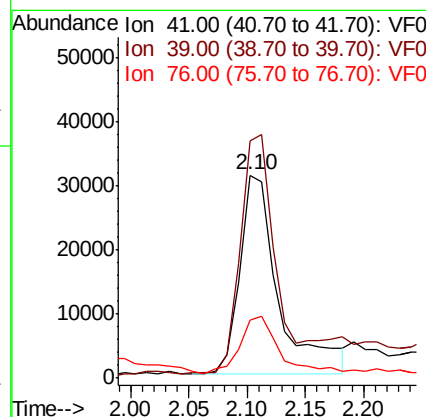
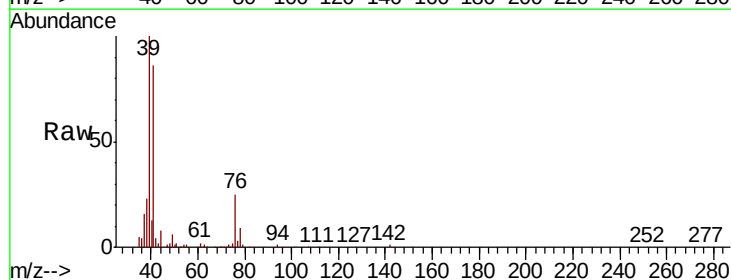
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

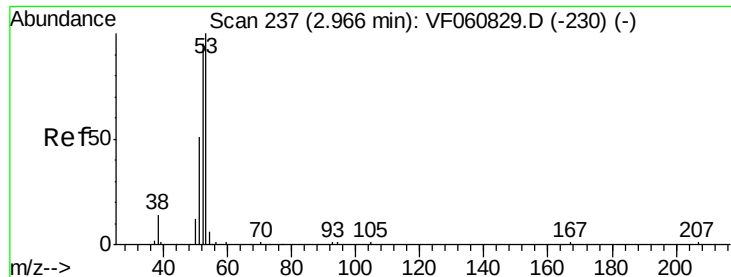
Tot Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 81.5 61.2 91.8



#14
Allyl chloride
Concen: 53.983 ug/l
RT: 2.10 min Scan# 149
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 41 Resp: 72204
Ion Ratio Lower Upper
41 100
39 116.6 91.7 137.5
76 28.7 23.5 35.3





#15

Acrylonitrile

Concen: 369.059 ug/l

RT: 2.96 min Scan# 236

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

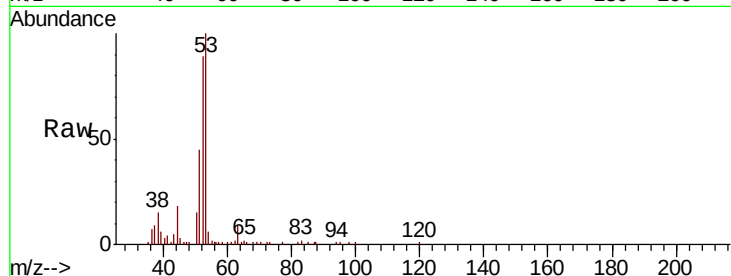
Tot Ion: 53 Resp: 54151

Ion Ratio Lower Upper

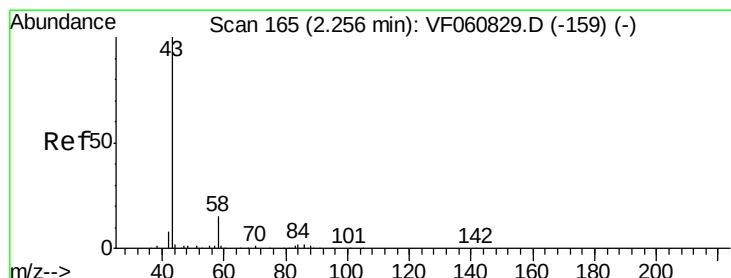
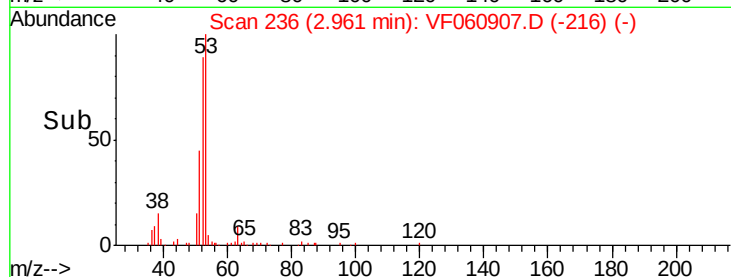
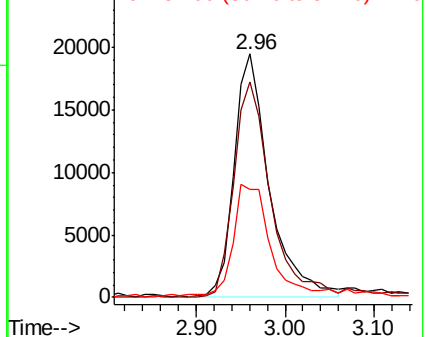
53 100

52 88.6 76.5 114.7

51 44.6 40.7 61.1



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 491.655 ug/l

RT: 2.25 min Scan# 164

Delta R.T. -0.01 min

Lab File: VF060907.D

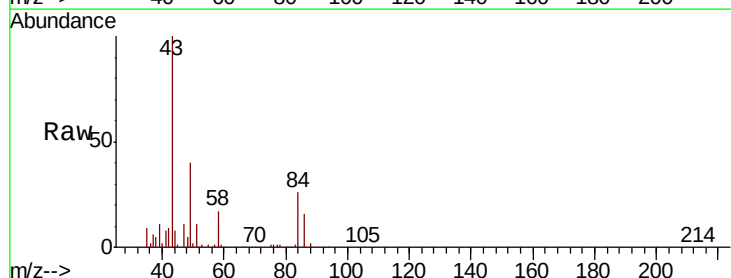
Acq: 3 Dec 2018 22:41

Tgt Ion: 43 Resp: 144751

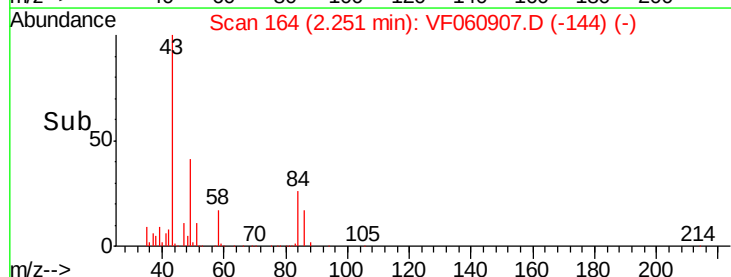
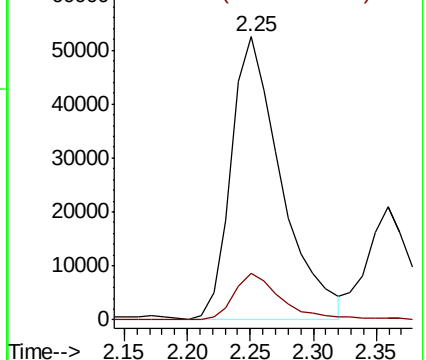
Ion Ratio Lower Upper

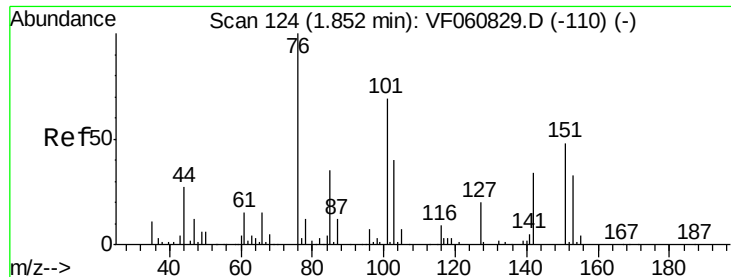
43 100

58 16.6 11.4 17.2



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





#17

Carbon Disulfide

Concen: 50.387 ug/l

RT: 1.86 min Scan# 124

Delta R.T. 0.00 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

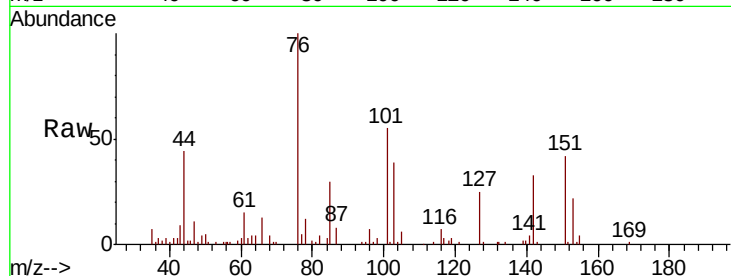
S49-0483MS

Tot Ion: 76 Resp: 144980

Ion Ratio Lower Upper

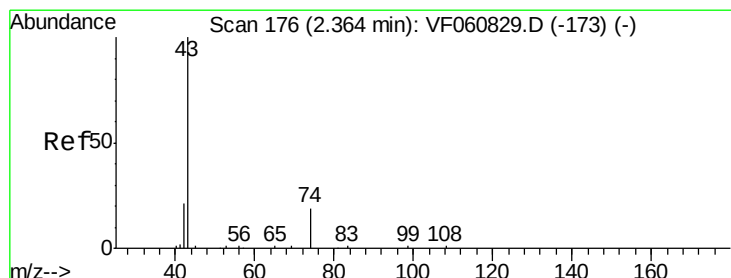
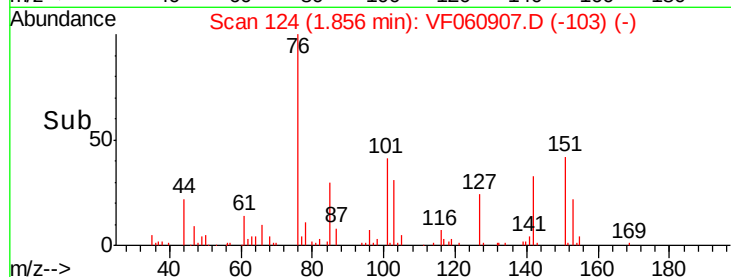
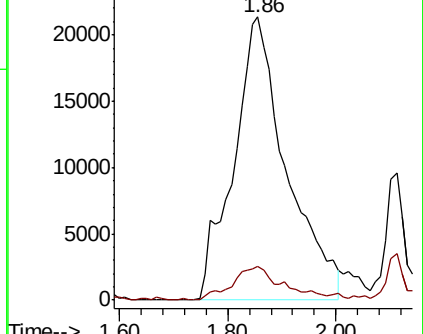
76 100

78 11.7 10.2 15.2



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 97.536 ug/l

RT: 2.36 min Scan# 175

Delta R.T. -0.00 min

Lab File: VF060907.D

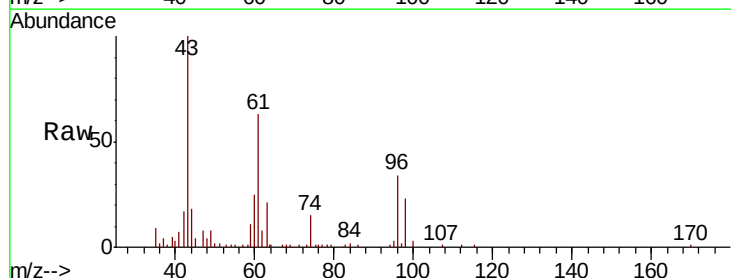
Acq: 3 Dec 2018 22:41

Tgt Ion: 43 Resp: 47401

Ion Ratio Lower Upper

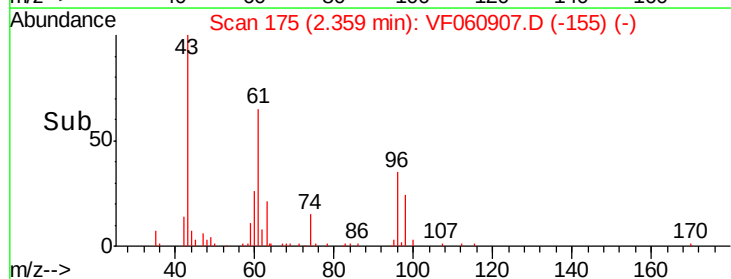
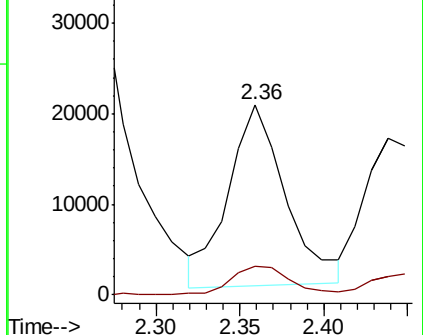
43 100

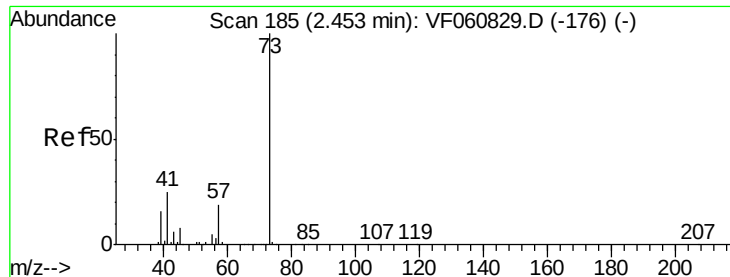
74 15.0 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

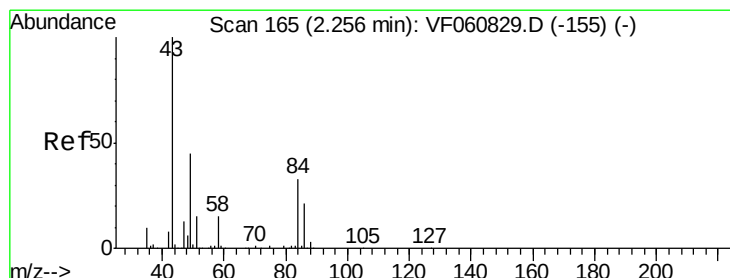
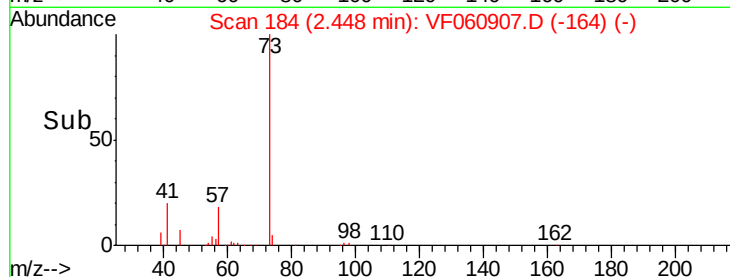
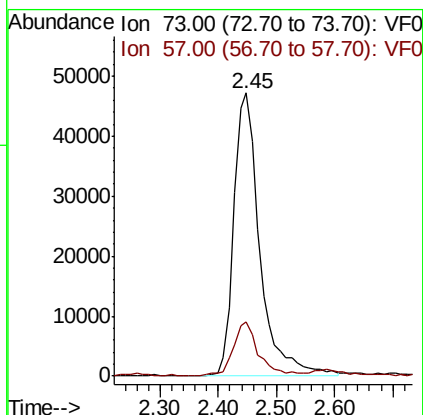
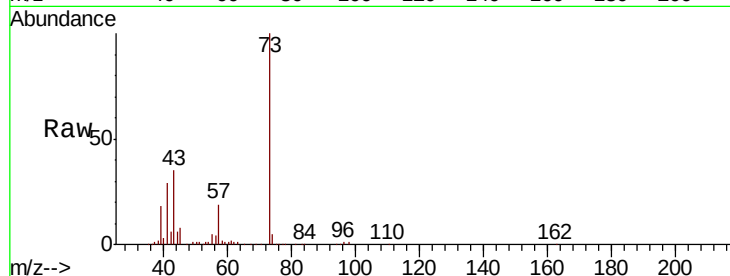




#19
Methyl tert-butyl Ether
Concen: 60.794 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

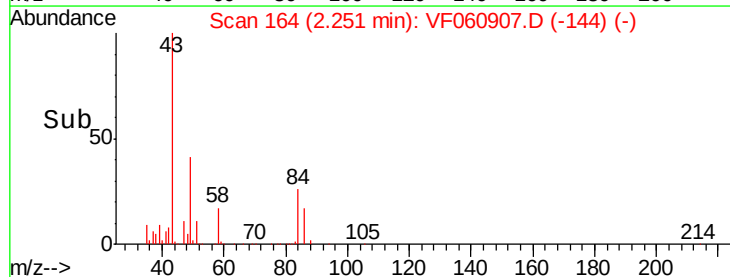
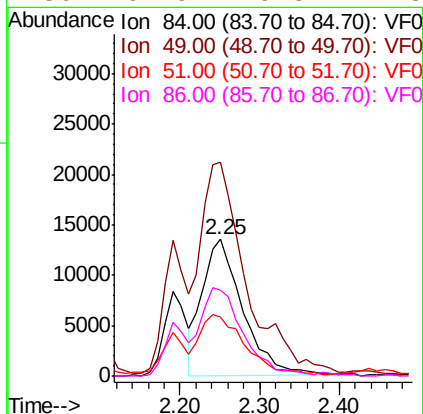
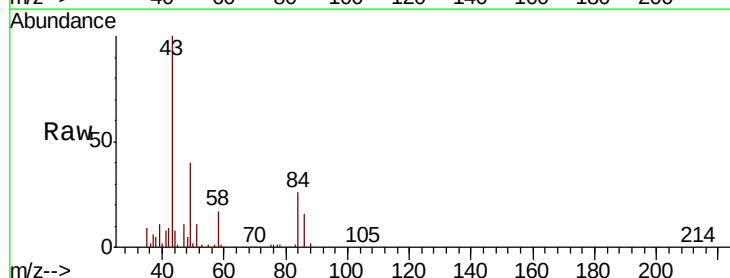
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

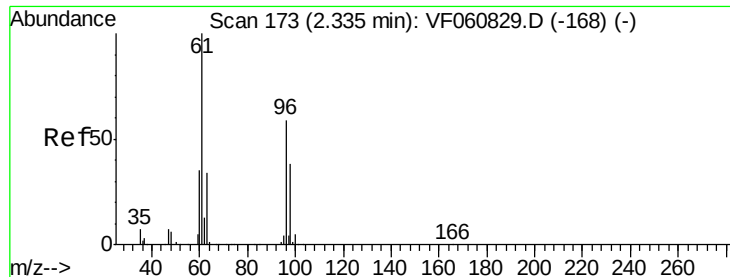
Tot Ion: 73 Resp: 146938
Ion Ratio Lower Upper
73 100
57 19.1 15.3 22.9



#20
Methylene Chloride
Concen: 44.223 ug/l
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 84 Resp: 47765
Ion Ratio Lower Upper
84 100
49 156.3 111.3 166.9
51 42.9 38.0 57.0
86 62.9 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 85.359 ug/l

RT: 2.32 min Scan# 171

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

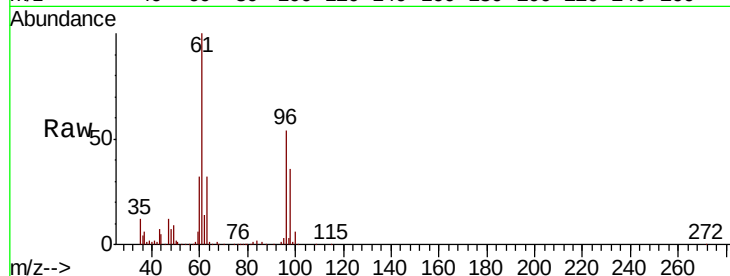
Tot Ion: 96 Resp: 88310

Ion Ratio Lower Upper

96 100

61 186.5 134.5 201.7

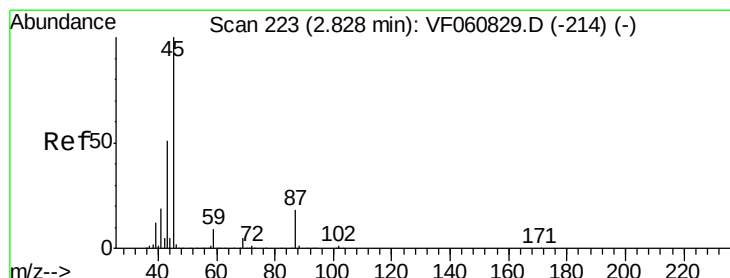
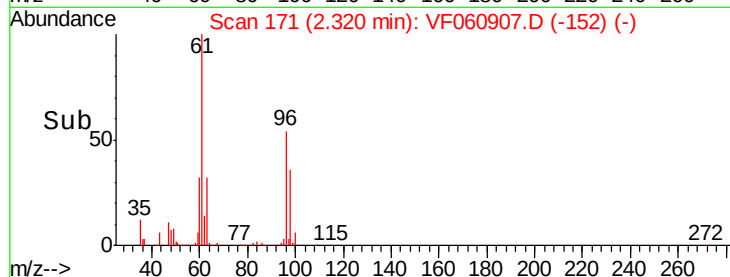
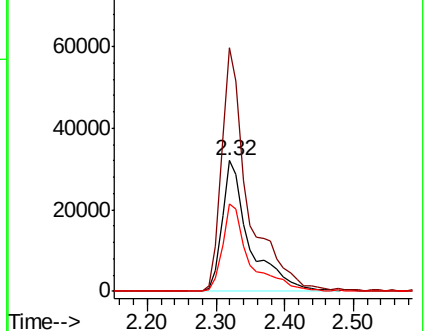
98 66.9 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 56.278 ug/l

RT: 2.81 min Scan# 221

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion: 45 Resp: 204897

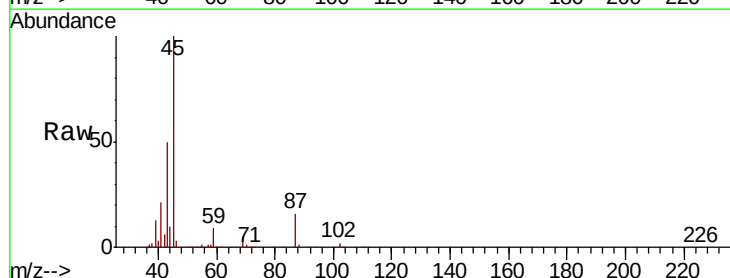
Ion Ratio Lower Upper

45 100

43 50.3 41.0 61.6

87 16.2 14.6 22.0

59 9.3 7.5 11.3

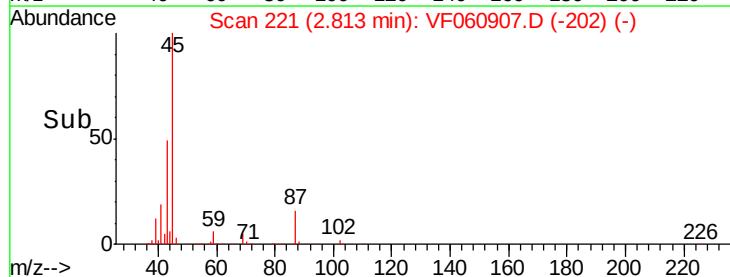
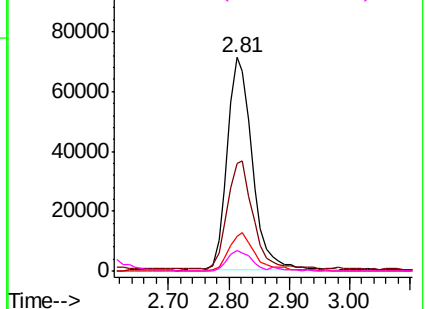


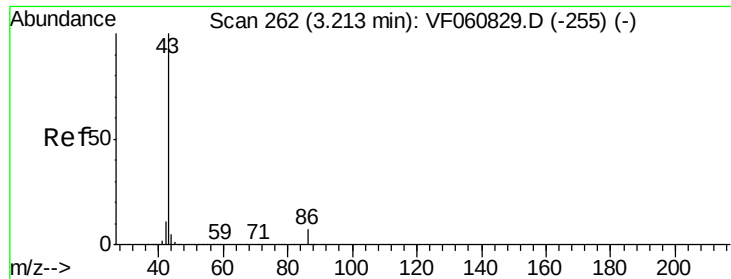
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 248.985 ug/l

RT: 3.21 min Scan# 261

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

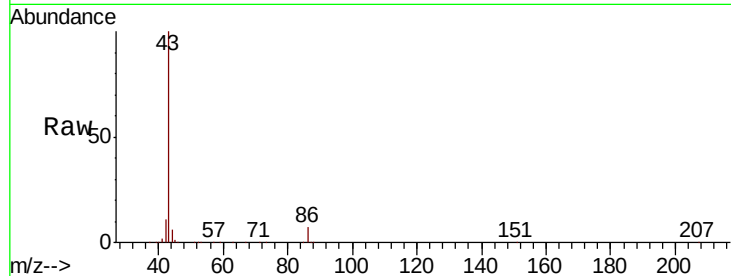
S49-0483MS

Tot Ion: 43 Resp: 414371

Ion Ratio Lower Upper

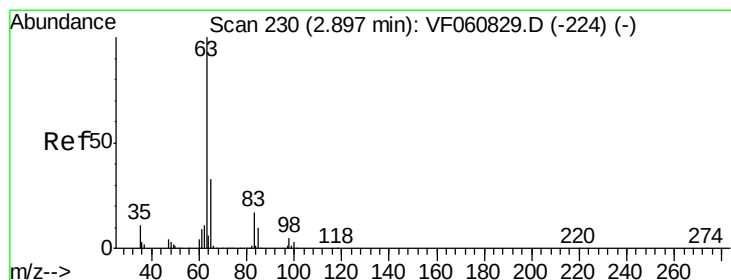
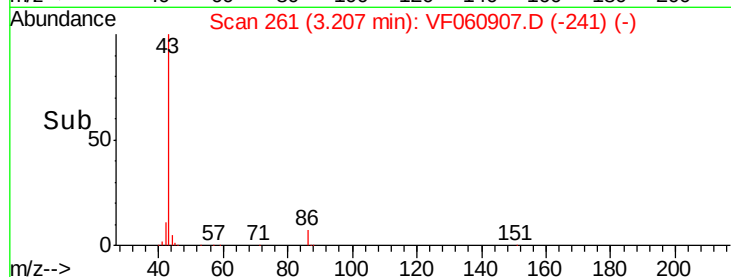
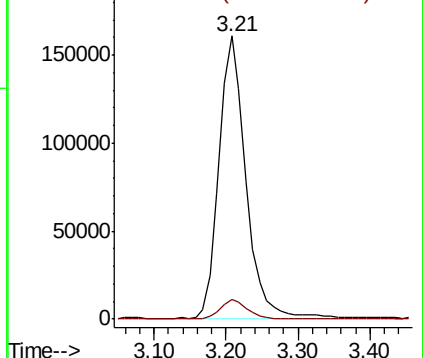
43 100

86 7.2 5.4 8.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 55.480 ug/l

RT: 2.89 min Scan# 229

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

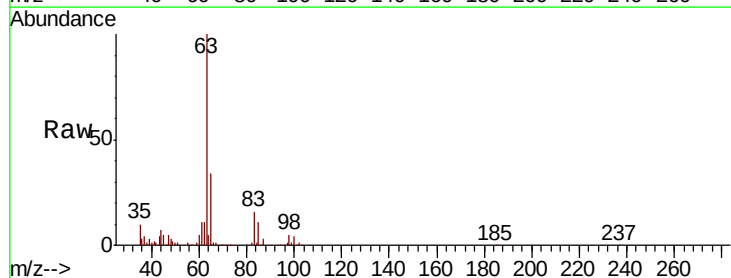
Tgt Ion: 63 Resp: 120178

Ion Ratio Lower Upper

63 100

98 5.0 2.7 8.1

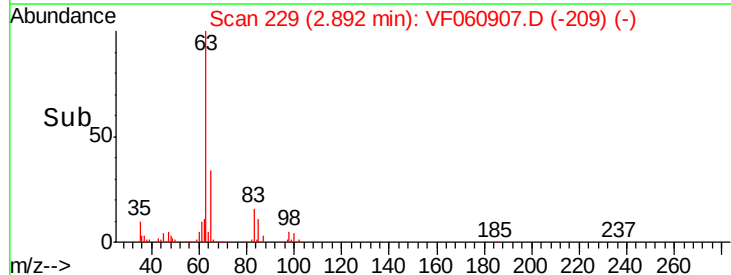
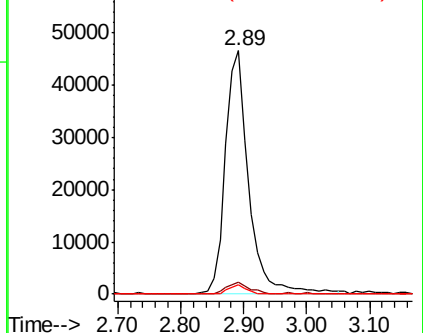
100 4.1 1.5 4.5

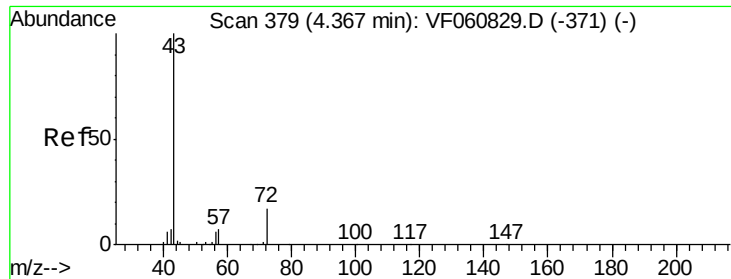


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

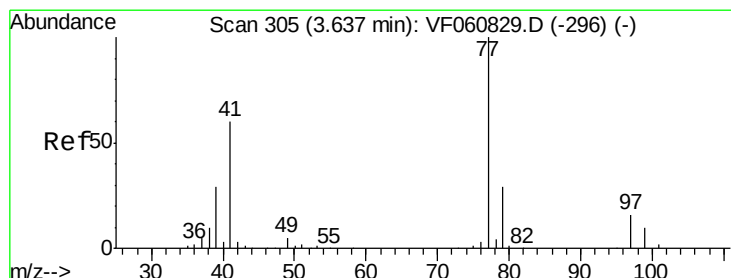
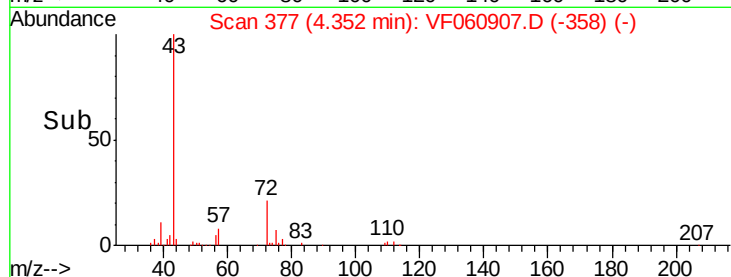
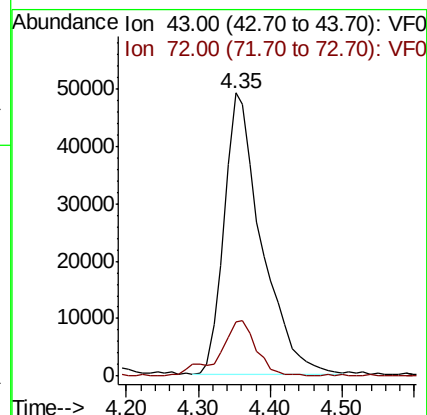
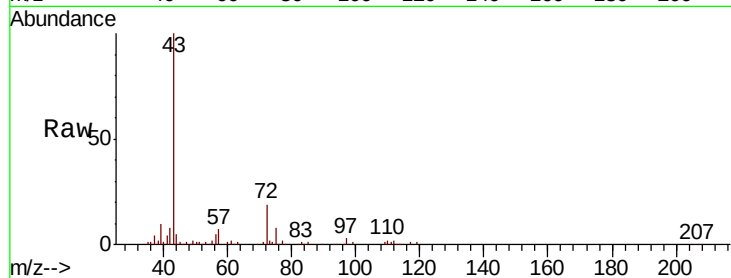




#25
2-Butanone
Concen: 344.100 ug/l
RT: 4.35 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

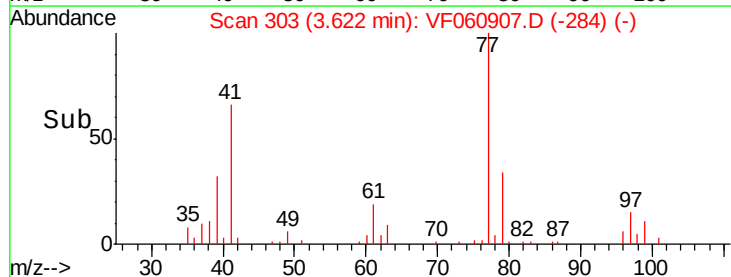
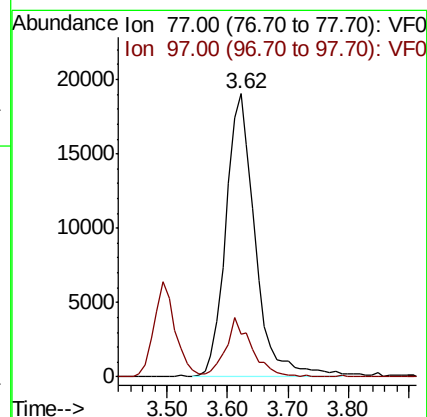
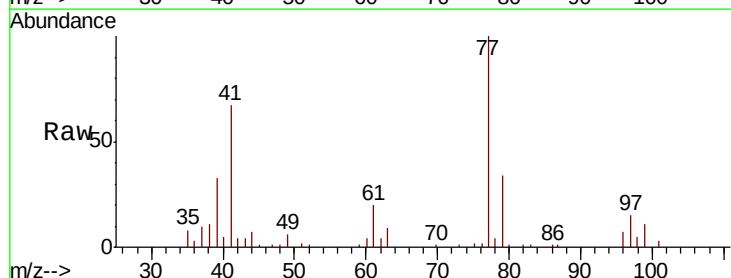
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

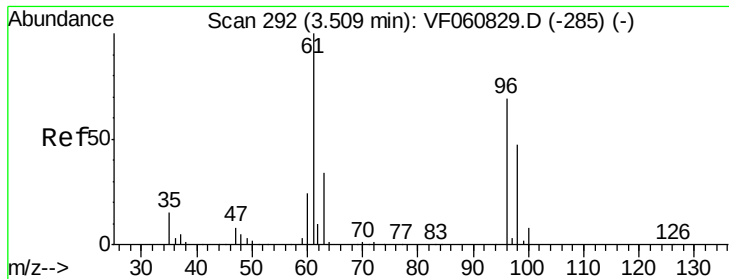
Tot Ion: 43 Resp: 175228
Ion Ratio Lower Upper
43 100
72 19.3 15.4 23.2



#26
2,2-Dichloropropane
Concen: 45.857 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 77 Resp: 64398
Ion Ratio Lower Upper
77 100
97 15.1 8.6 25.8



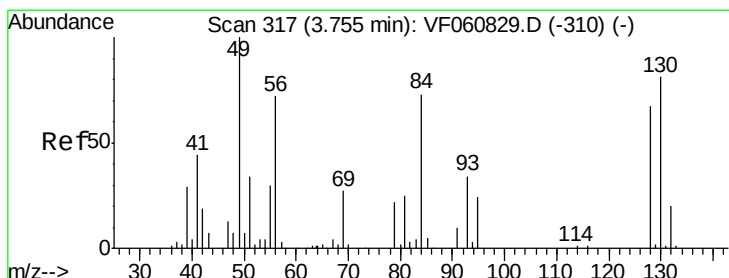
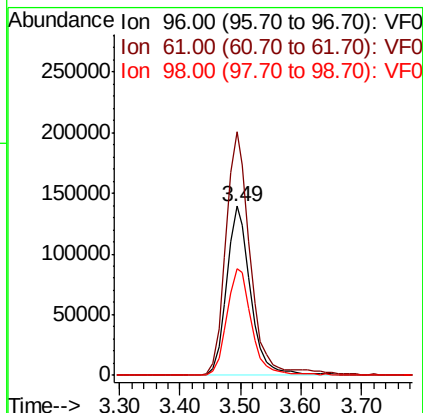
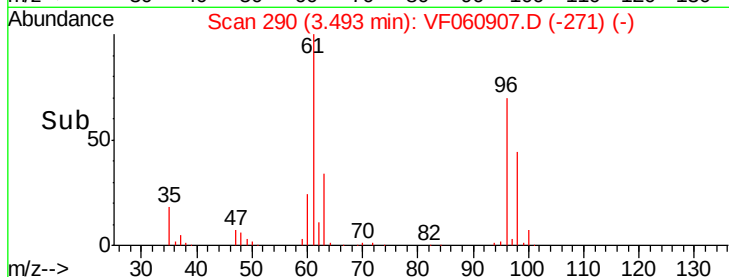
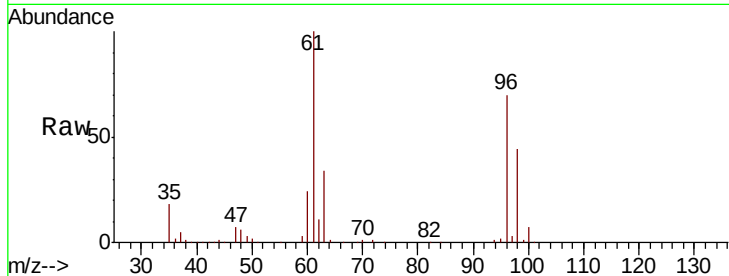


#27

cis-1,2-Dichloroethene
Concen: 225.999 ug/l
RT: 3.49 min Scan# 290
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

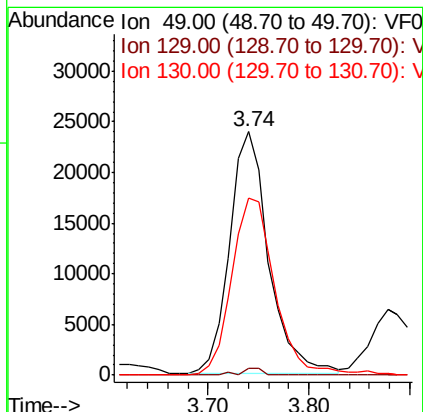
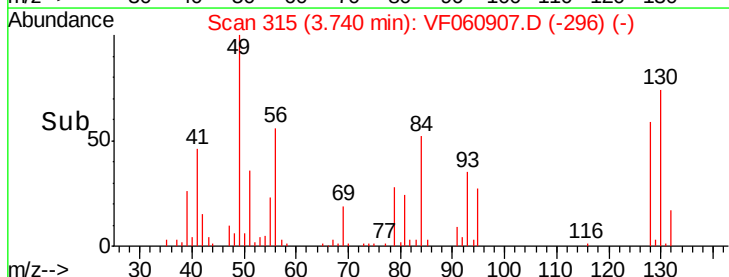
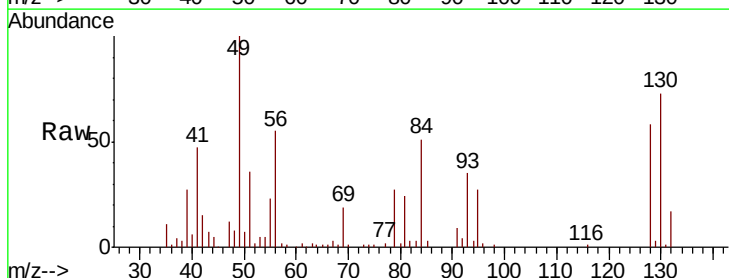
Tot Ion: 96 Resp: 380648
Ion Ratio Lower Upper
96 100
61 143.9 0.0 290.6
98 63.0 0.0 137.8

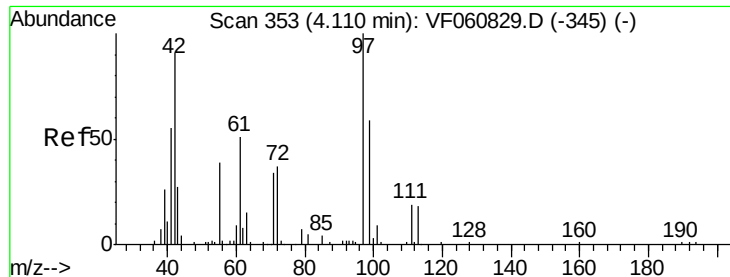


#28

Bromochloromethane
Concen: 62.080 ug/l
RT: 3.74 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 49 Resp: 64537
Ion Ratio Lower Upper
49 100
129 3.0 0.0 4.4
130 72.6 64.2 96.4





#29

Tetrahydrofuran

Concen: 359.098 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

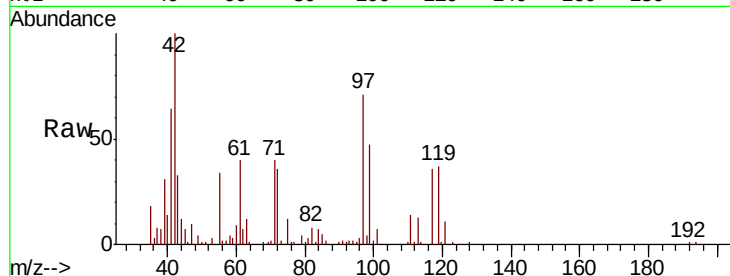
Tot Ion: 42 Resp: 77514

Ion Ratio Lower Upper

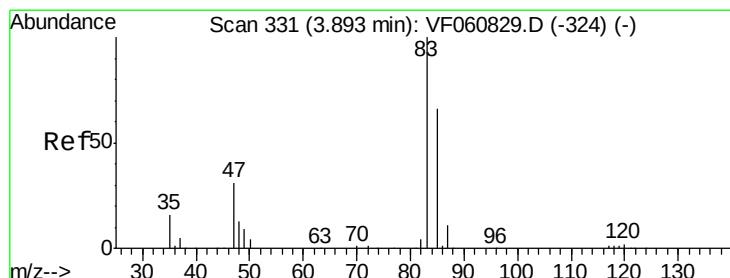
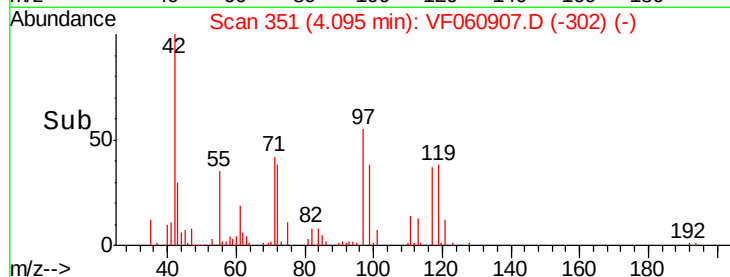
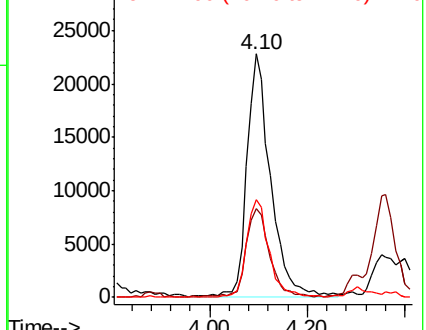
42 100

72 36.6 31.9 47.9

71 37.8 28.7 43.1



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 55.024 ug/l

RT: 3.88 min Scan# 329

Delta R.T. -0.02 min

Lab File: VF060907.D

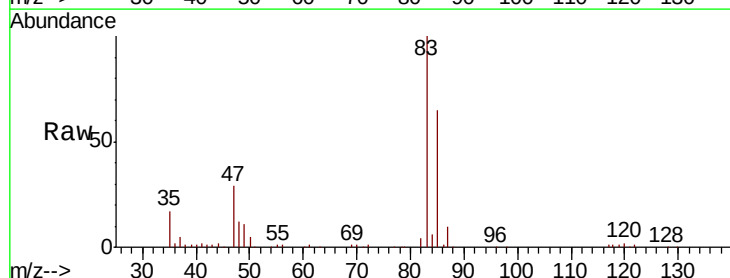
Acq: 3 Dec 2018 22:41

Tgt Ion: 83 Resp: 183440

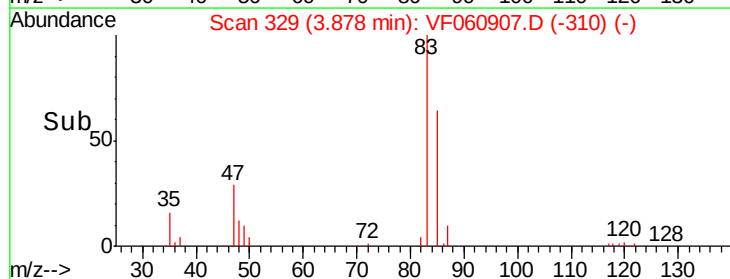
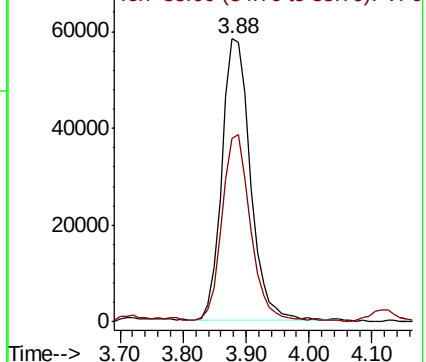
Ion Ratio Lower Upper

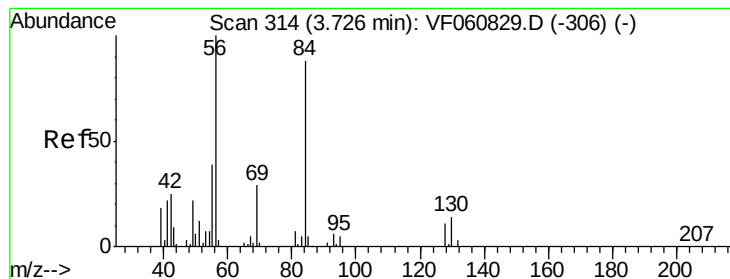
83 100

85 65.0 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 48.466 ug/l

RT: 3.72 min Scan# 313

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

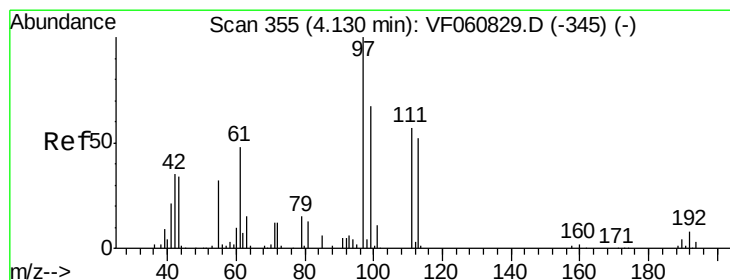
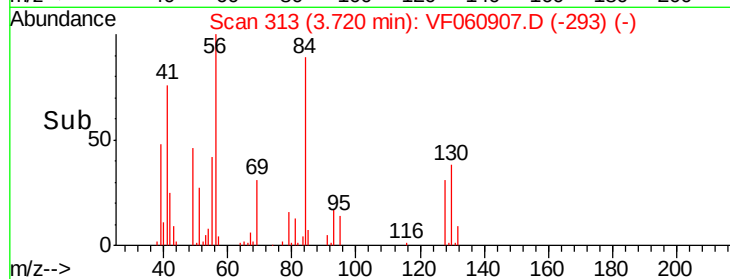
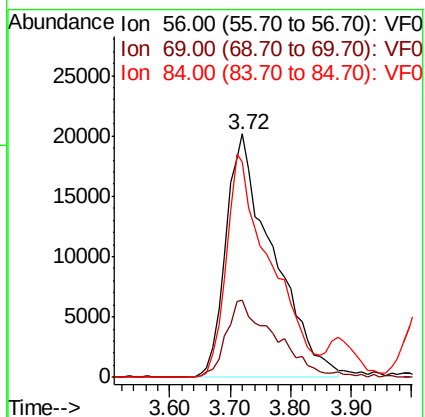
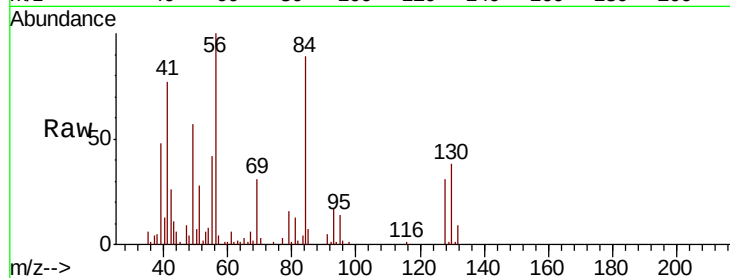
Tot Ion: 56 Resp: 108953

Ion Ratio Lower Upper

56 100

69 31.5 23.0 34.4

84 88.6 70.4 105.6



#32

1,1,1-Trichloroethane

Concen: 55.972 ug/l

RT: 4.12 min Scan# 354

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

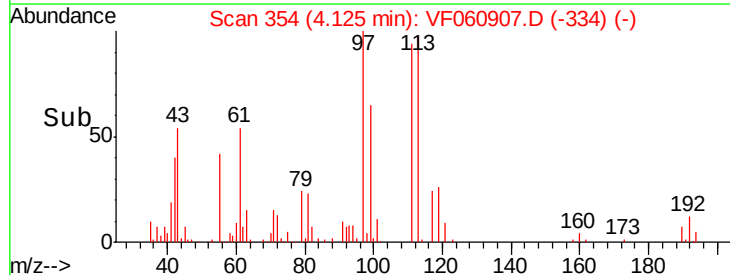
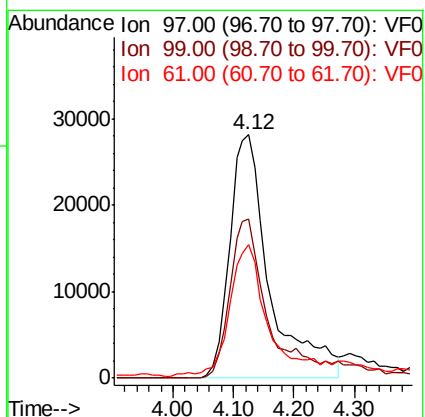
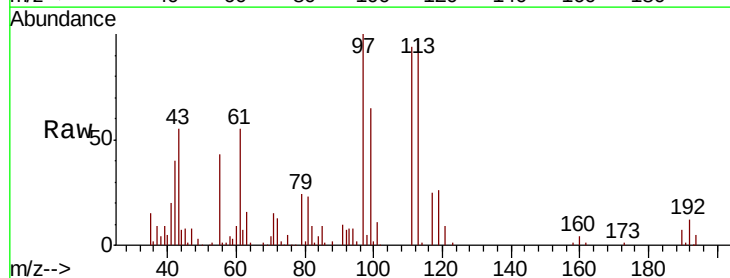
Tgt Ion: 97 Resp: 129411

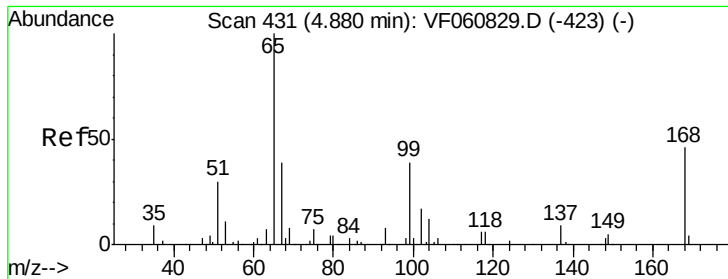
Ion Ratio Lower Upper

97 100

99 65.3 53.5 80.3

61 54.6 38.6 58.0

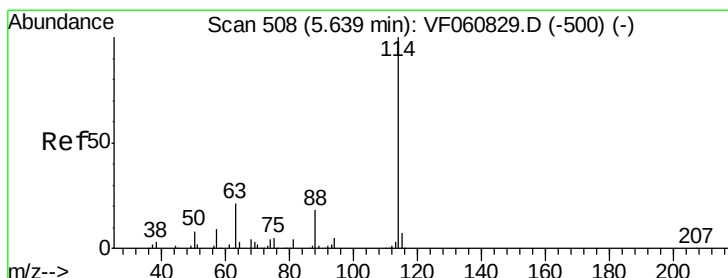
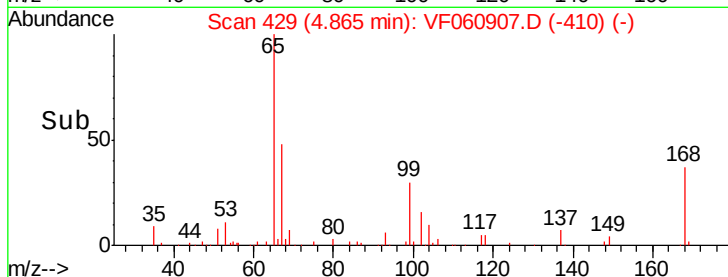
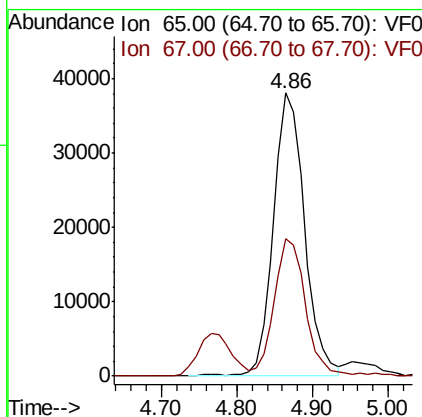
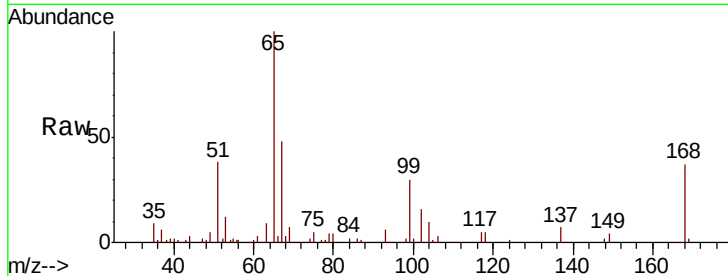




#33
 1,2-Dichloroethane-d4
 Concen: 68.523 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

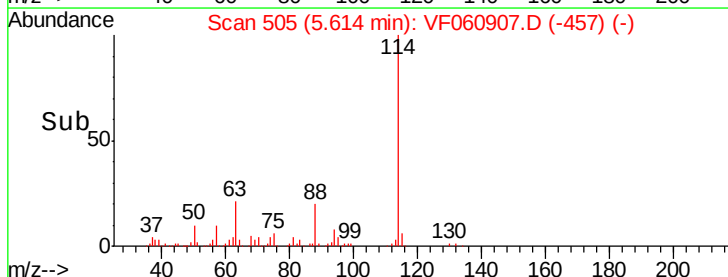
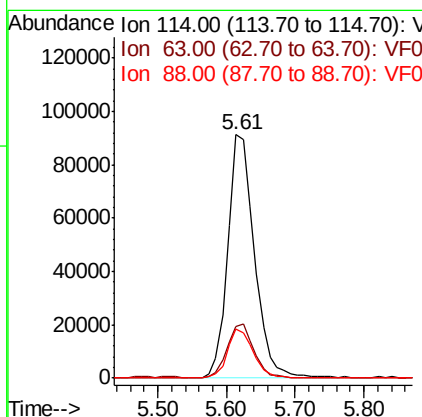
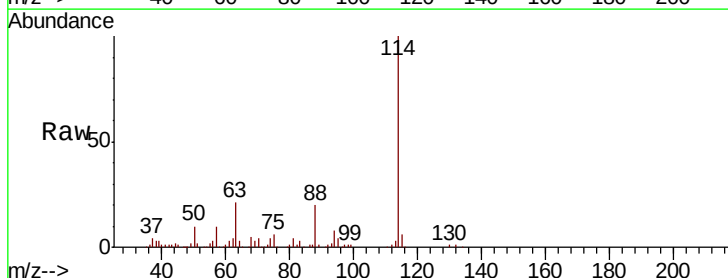
Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

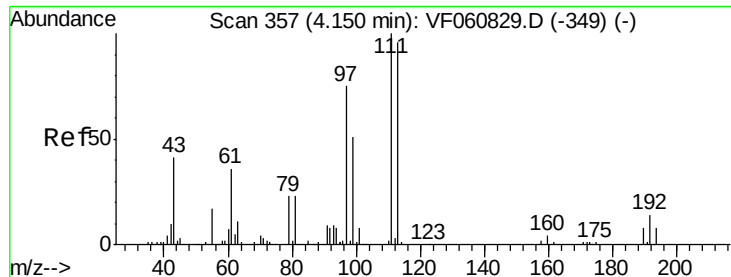
Tot Ion: 65 Resp: 109401
 Ion Ratio Lower Upper
 65 100
 67 48.4 0.0 96.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. -0.03 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion: 114 Resp: 245283
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 41.6
 88 19.9 0.0 36.6





#35

Dibromofluoromethane

Concen: 54.695 ug/l

RT: 4.14 min Scan# 356

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

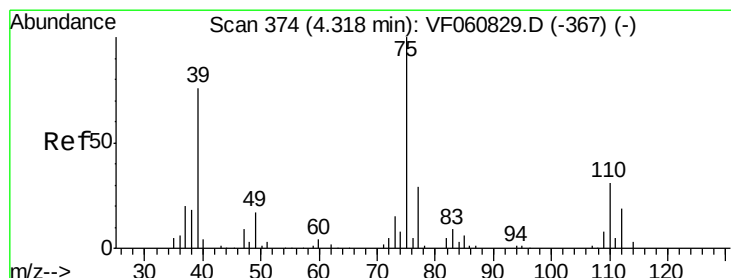
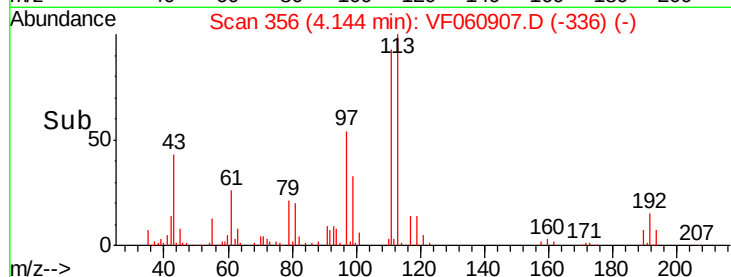
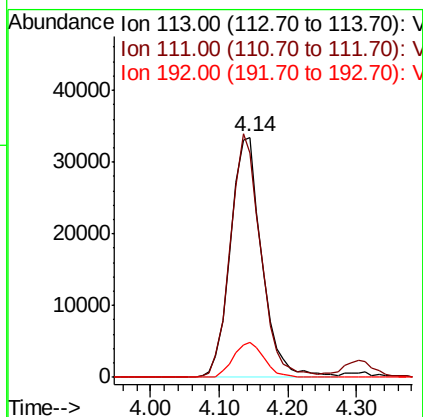
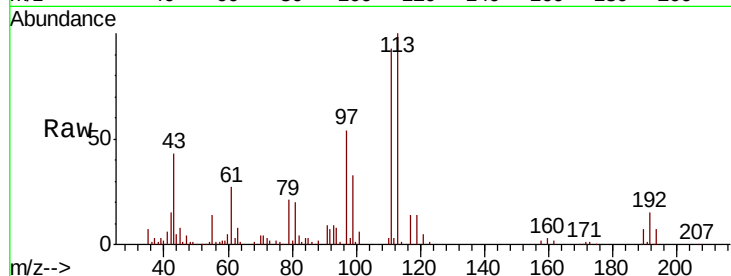
Tot Ion:113 Resp: 106431

Ion Ratio Lower Upper

113 100

111 93.2 83.0 124.6

192 15.3 12.3 18.5



#36

1,1-Dichloropropene

Concen: 44.816 ug/l

RT: 4.30 min Scan# 372

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

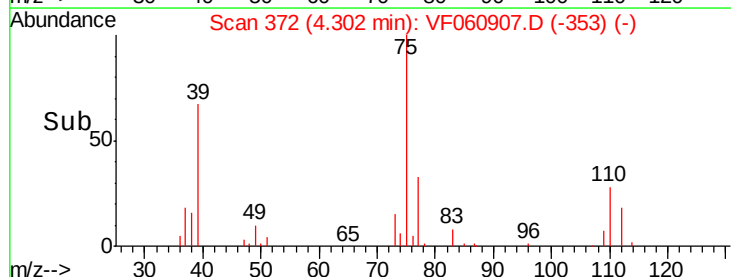
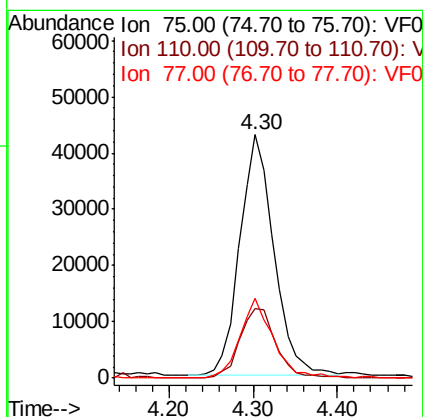
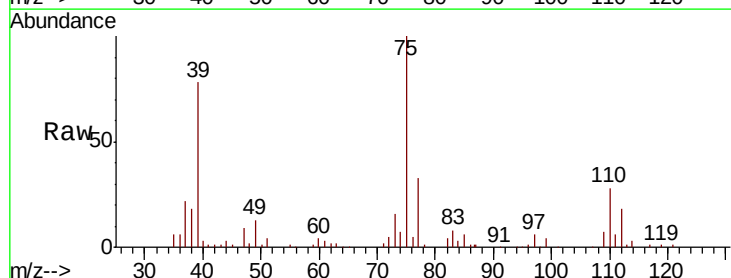
Tgt Ion: 75 Resp: 121926

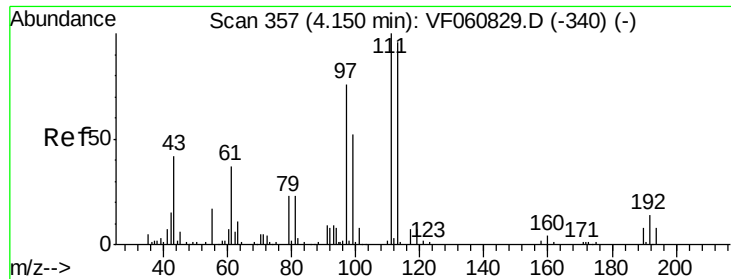
Ion Ratio Lower Upper

75 100

110 28.4 15.6 46.8

77 32.8 23.4 35.0

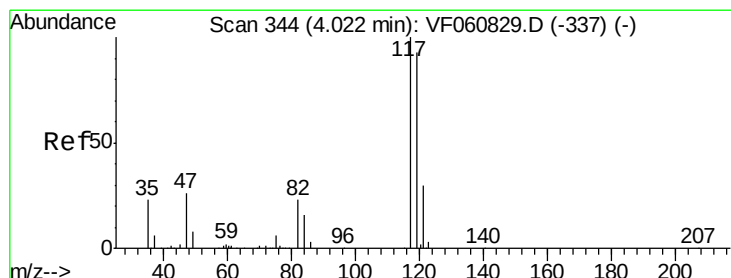
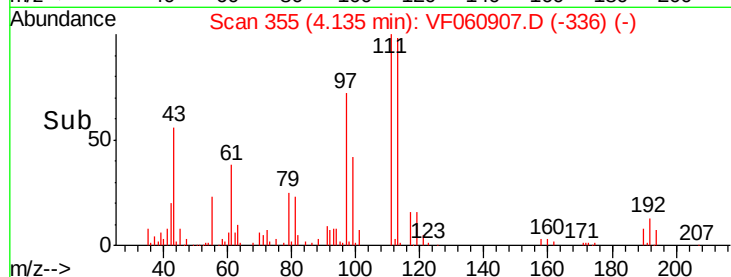
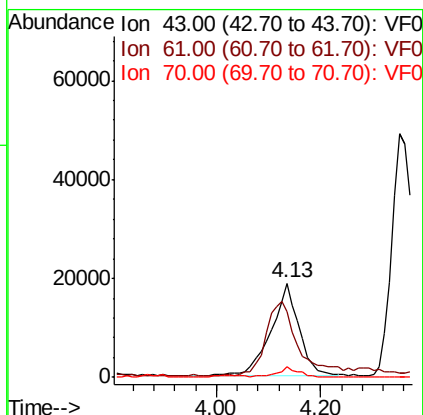
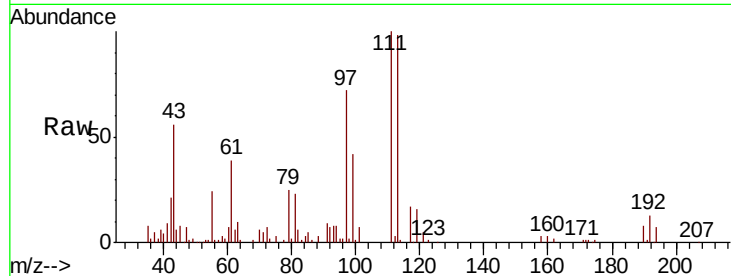




#37
Ethyl Acetate
Concen: 64.161 ug/l
RT: 4.13 min Scan# 355
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

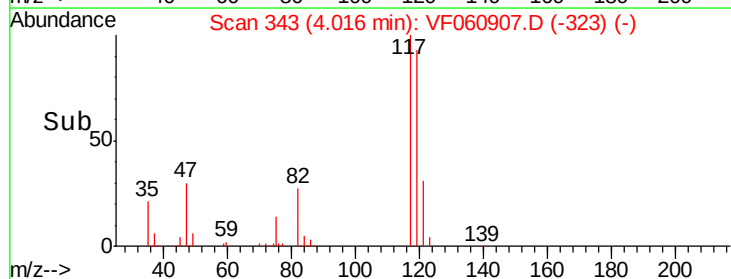
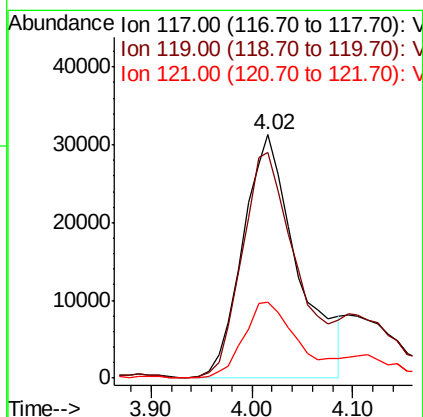
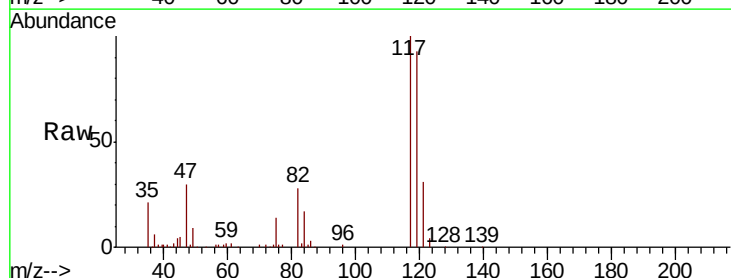
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

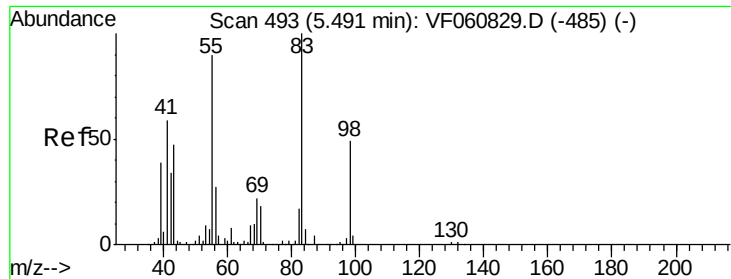
Tot Ion: 43 Resp: 70935
Ion Ratio Lower Upper
43 100
61 70.2 68.6 103.0
70 10.9 9.0 13.4



#38
Carbon Tetrachloride
Concen: 49.055 ug/l
RT: 4.02 min Scan# 343
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 117 Resp: 117877
Ion Ratio Lower Upper
117 100
119 92.8 74.4 111.6
121 31.2 23.5 35.3

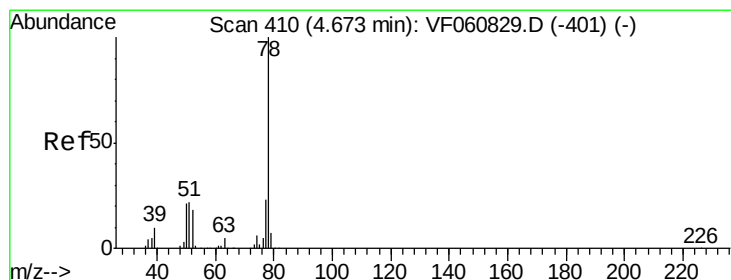
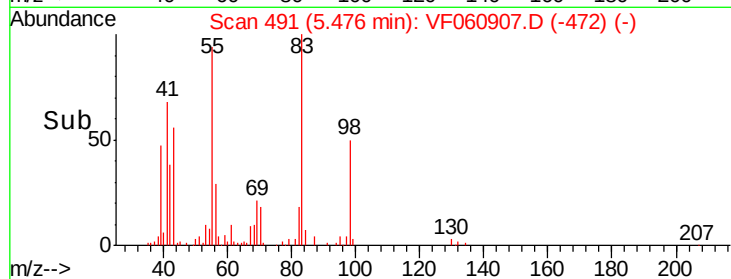
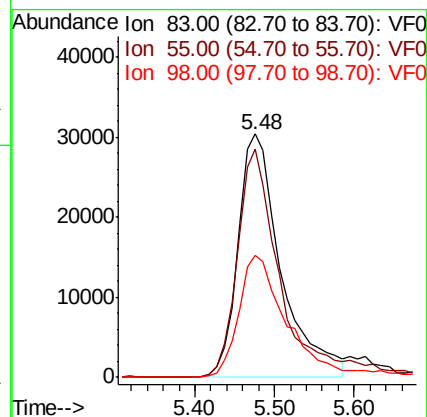
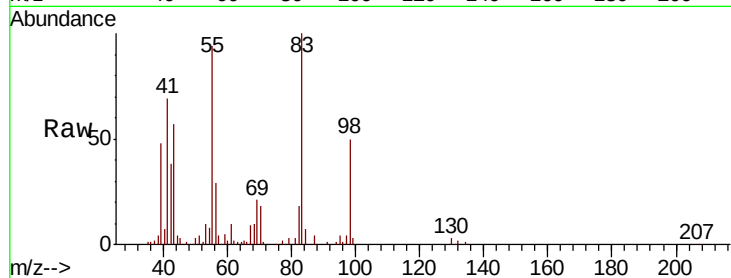




#39
Methylvlcyclohexane
Concen: 40.026 ug/l
RT: 5.48 min Scan# 491
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

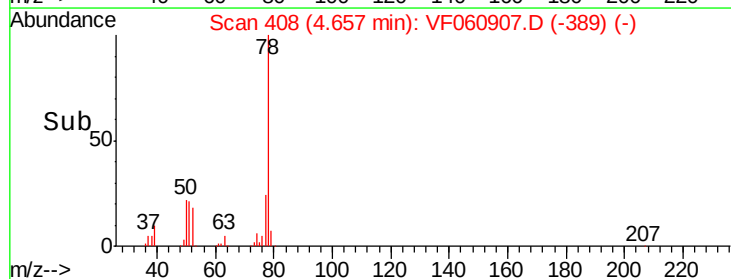
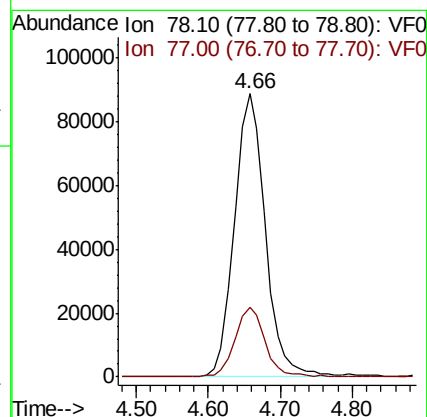
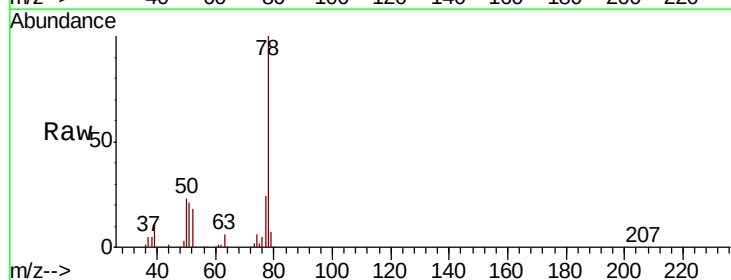
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

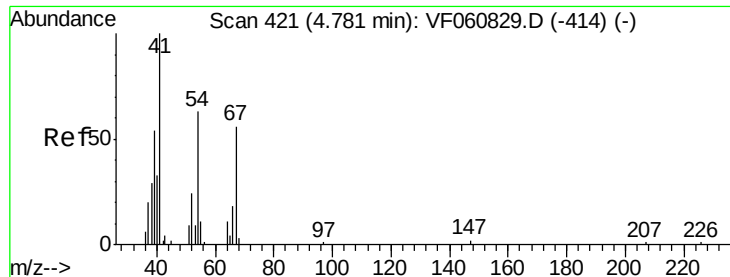
Tot Ion: 83 Resp: 114118
Ion Ratio Lower Upper
83 100
55 93.9 72.1 108.1
98 50.3 39.1 58.7



#40
Benzene
Concen: 44.158 ug/l
RT: 4.66 min Scan# 408
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 78 Resp: 265404
Ion Ratio Lower Upper
78 100
77 24.4 18.7 28.1

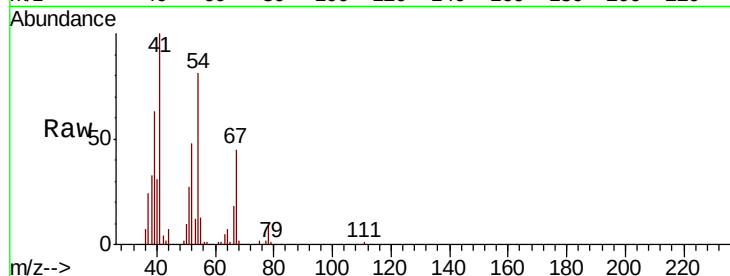




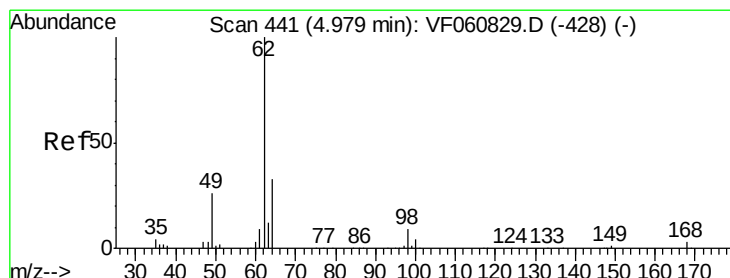
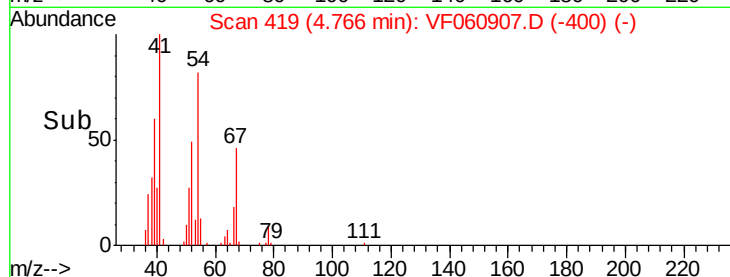
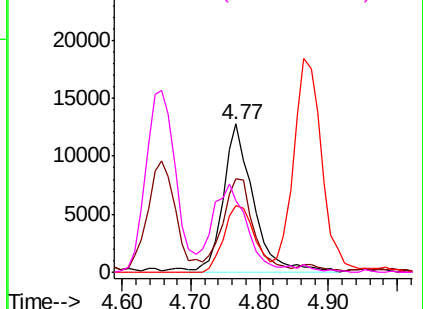
#41
Methacrylonitrile
Concen: 69.328 ug/l
RT: 4.77 min Scan# 419
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion:	41	Resp:	38826
Ion	Ratio	Lower	Upper
41	100		
39	62.8	53.0	79.6
67	45.1	43.8	65.6
52	48.4	37.8	56.8

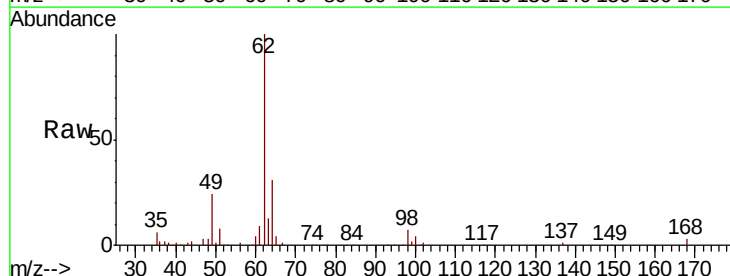


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

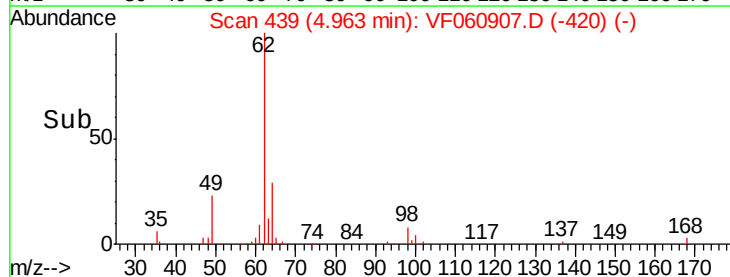
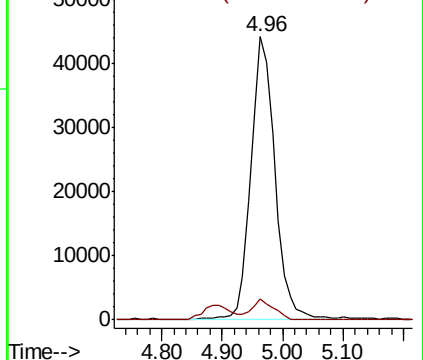


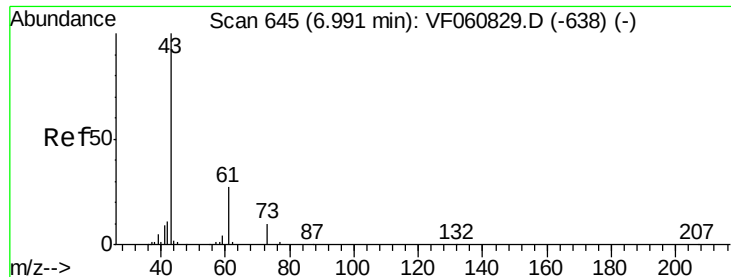
#42
1,2-Dichloroethane
Concen: 55.878 ug/l
RT: 4.96 min Scan# 439
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion:	62	Resp:	122611
Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 65.579 ug/l

RT: 6.99 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

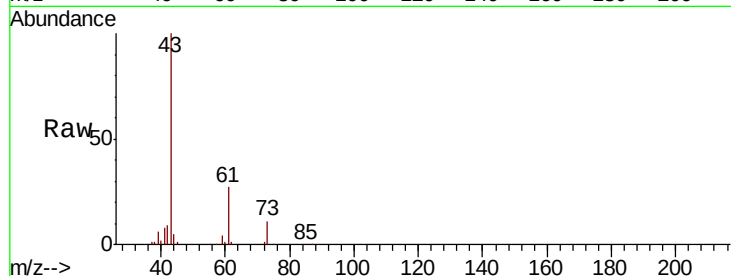
Tot Ion: 43 Resp: 88299

Ion Ratio Lower Upper

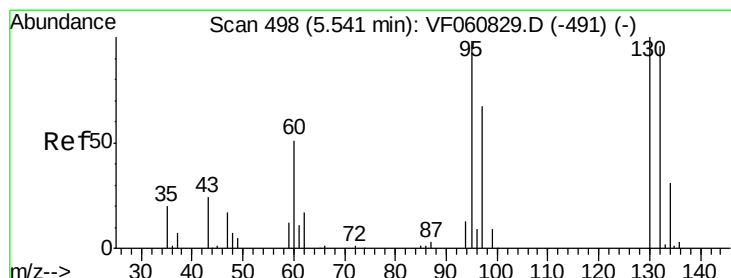
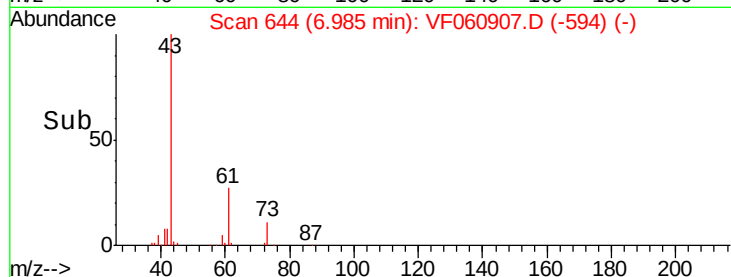
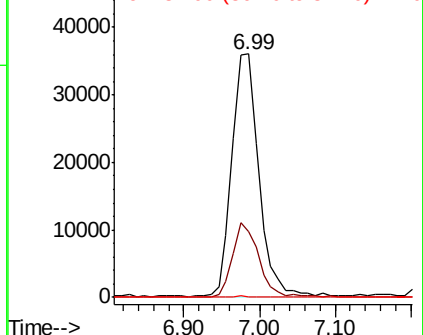
43 100

61 26.8 21.4 32.0

87 0.4 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 123.833 ug/l

RT: 5.53 min Scan# 496

Delta R.T. -0.02 min

Lab File: VF060907.D

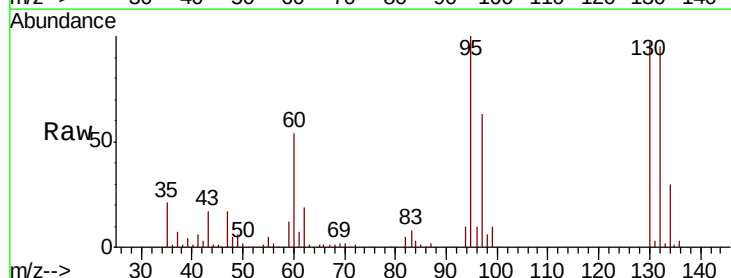
Acq: 3 Dec 2018 22:41

Tgt Ion:130 Resp: 243354

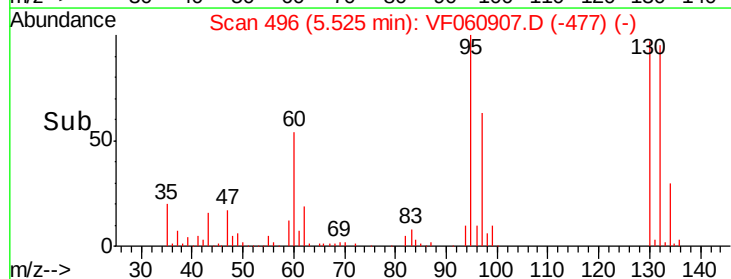
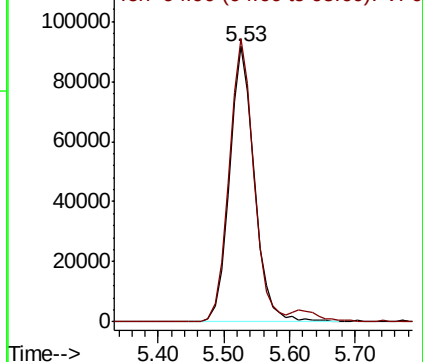
Ion Ratio Lower Upper

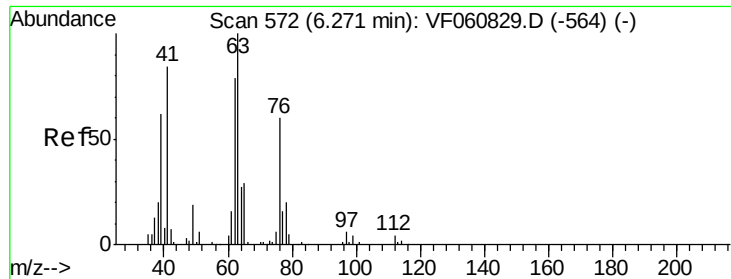
130 100

95 102.8 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 50.186 ug/l

RT: 6.26 min Scan# 570

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

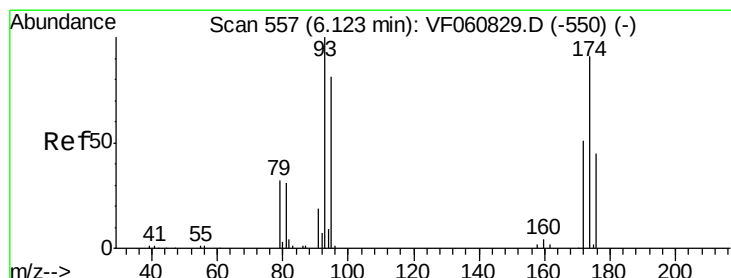
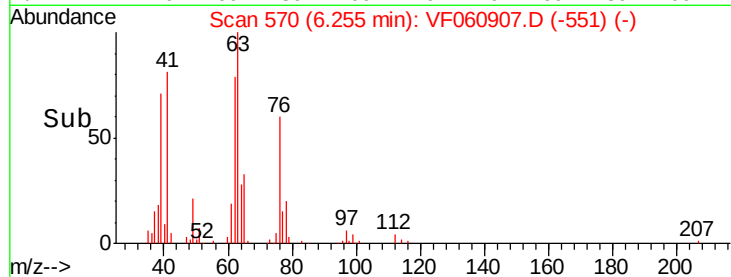
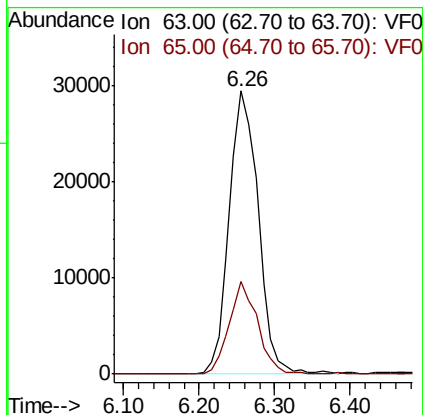
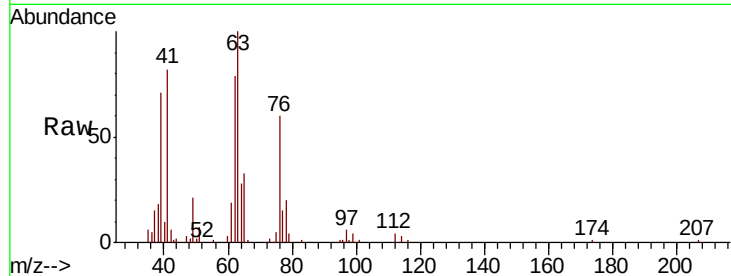
S49-0483MS

Tot Ion: 63 Resp: 78339

Ion Ratio Lower Upper

63 100

65 32.8 23.2 34.8



#46

Dibromomethane

Concen: 54.795 ug/l

RT: 6.11 min Scan# 555

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

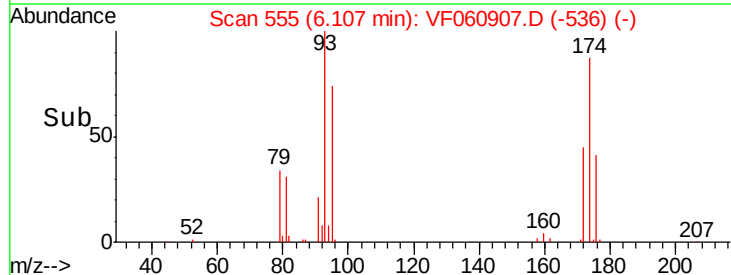
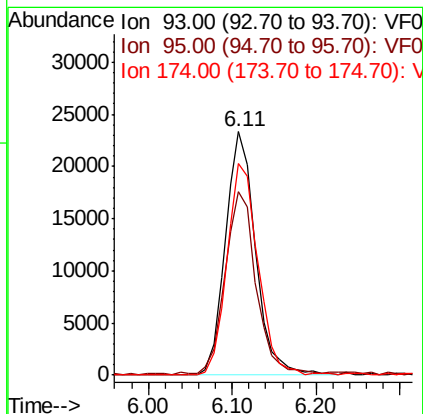
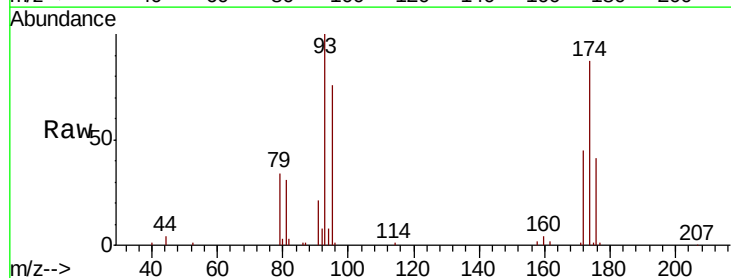
Tgt Ion: 93 Resp: 58023

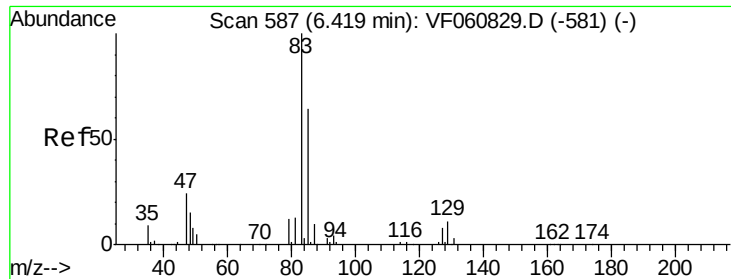
Ion Ratio Lower Upper

93 100

95 75.5 64.7 97.1

174 86.9 73.0 109.6





#47

Bromodichloromethane

Concen: 51.367 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

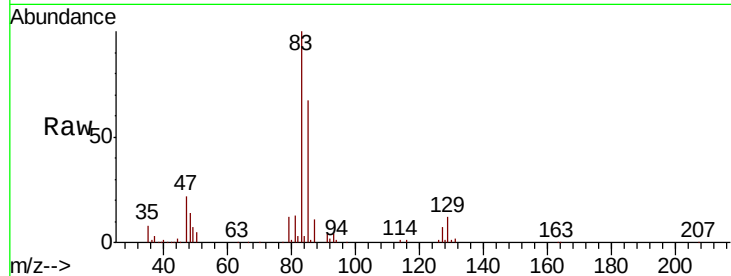
Tot Ion: 83 Resp: 144467

Ion Ratio Lower Upper

83 100

85 66.7 51.1 76.7

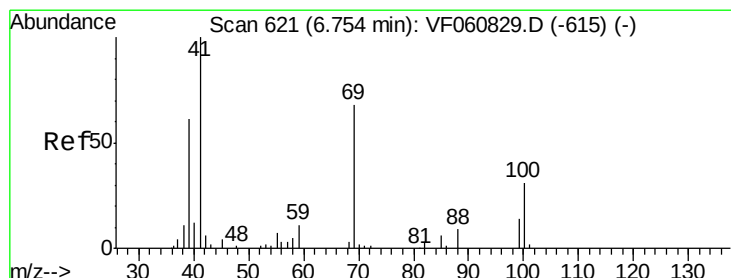
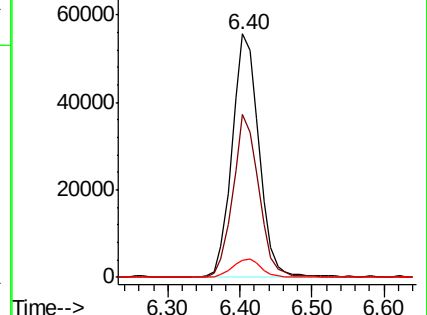
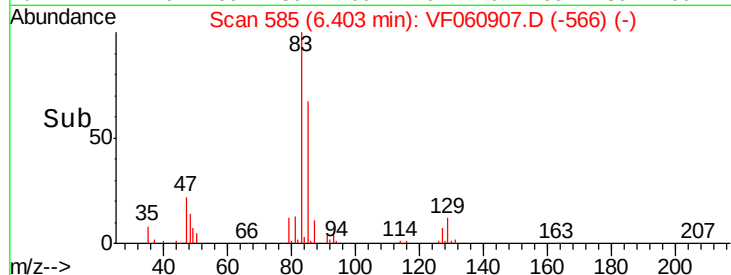
127 6.9 6.8 10.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 60.358 ug/l

RT: 6.74 min Scan# 619

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

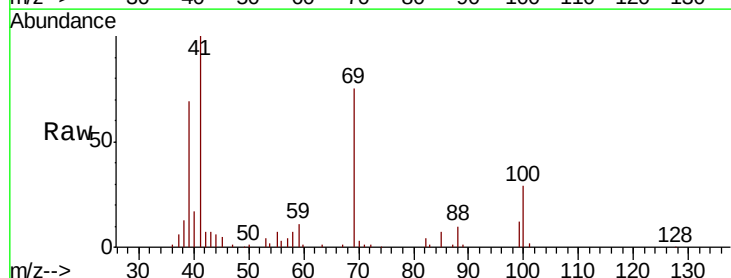
Tgt Ion: 41 Resp: 60403

Ion Ratio Lower Upper

41 100

69 74.7 53.9 80.9

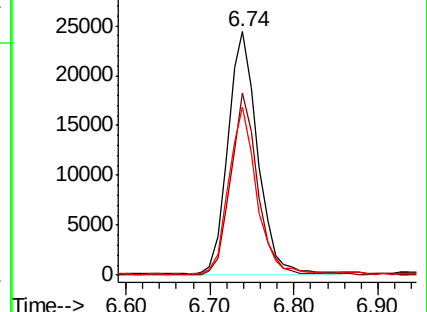
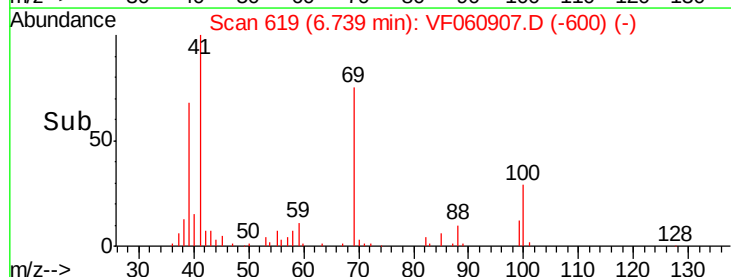
39 69.0 49.0 73.6

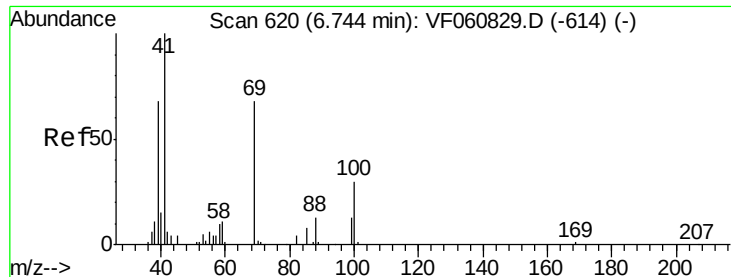


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

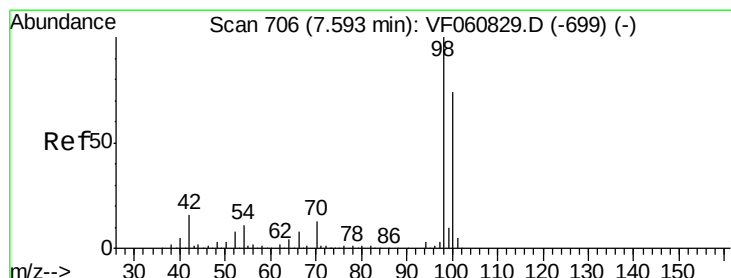
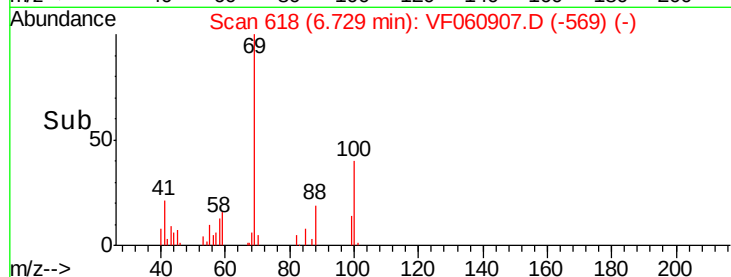
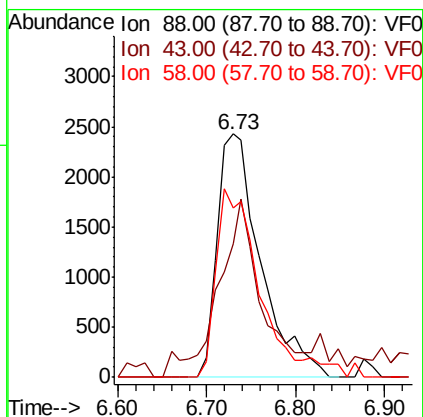
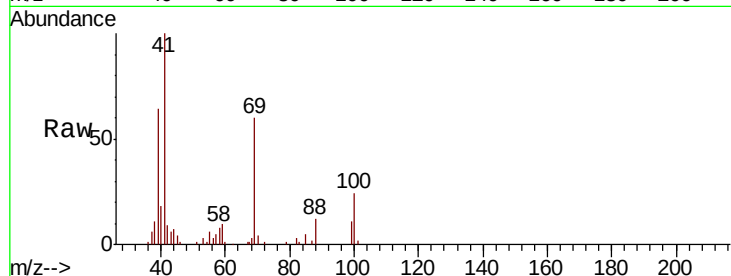




#49
1,4-Dioxane
Concen: 1126.825 ug/l
RT: 6.73 min Scan# 618
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

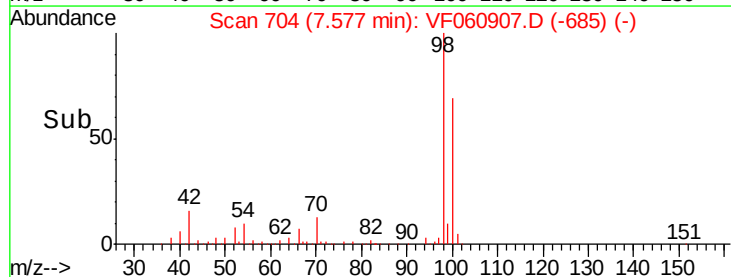
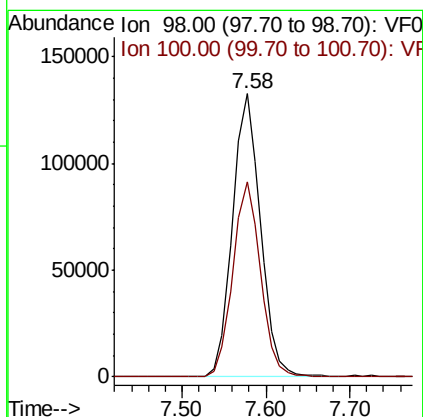
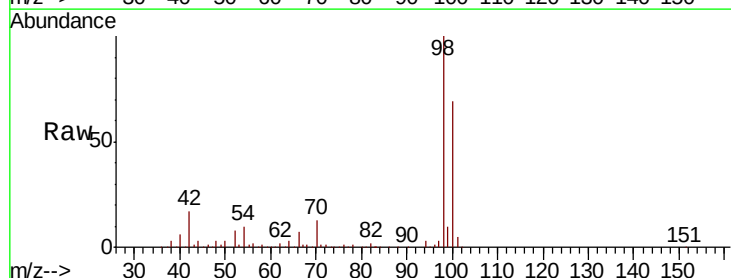
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

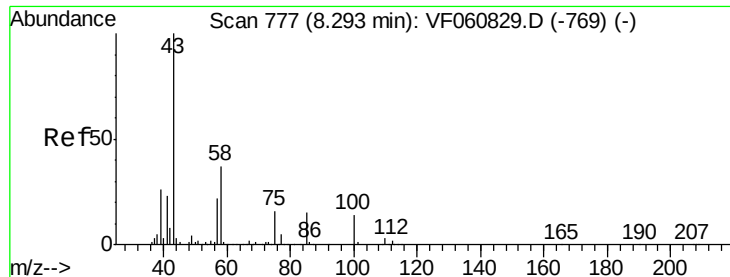
Tot Ion: 88 Resp: 8253
Ion Ratio Lower Upper
88 100
43 55.0 42.0 63.0
58 69.7 61.8 92.8



#50
Toluene-d8
Concen: 53.636 ug/l
RT: 7.58 min Scan# 704
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 98 Resp: 307440
Ion Ratio Lower Upper
98 100
100 68.9 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 313.297 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

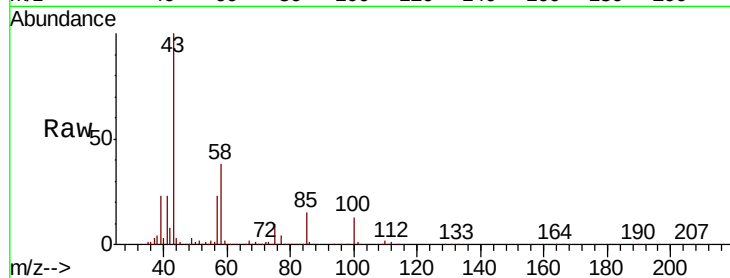
S49-0483MS

Tot Ion: 43 Resp: 319413

Ion Ratio Lower Upper

43 100

58 38.4 29.7 44.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

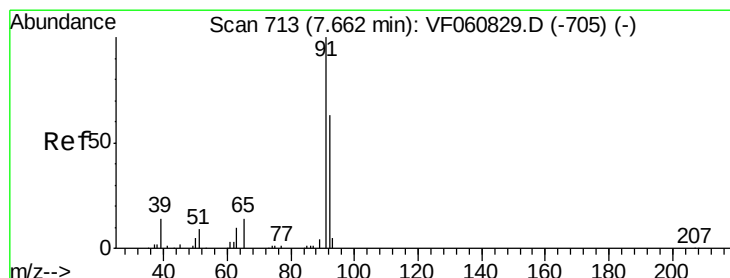
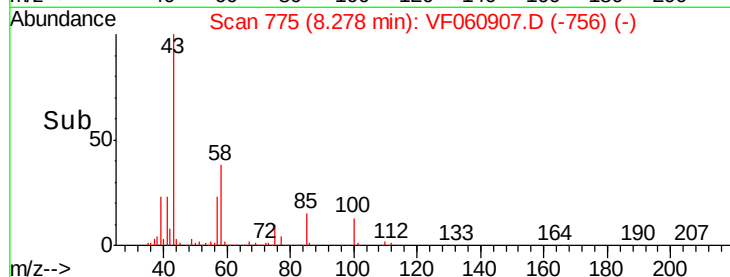
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 43.933 ug/l

RT: 7.65 min Scan# 711

Delta R.T. -0.02 min

Lab File: VF060907.D

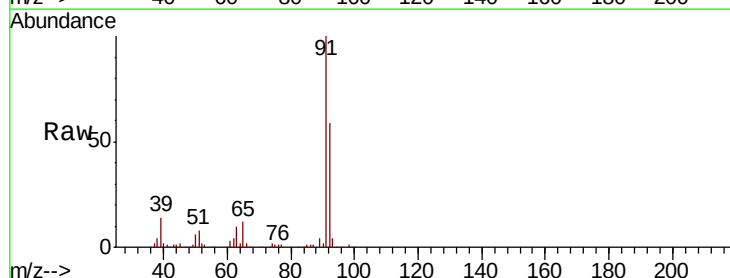
Acq: 3 Dec 2018 22:41

Tgt Ion: 92 Resp: 185473

Ion Ratio Lower Upper

92 100

91 169.1 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.65

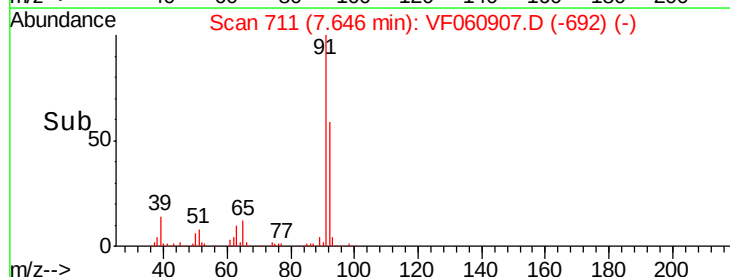
150000

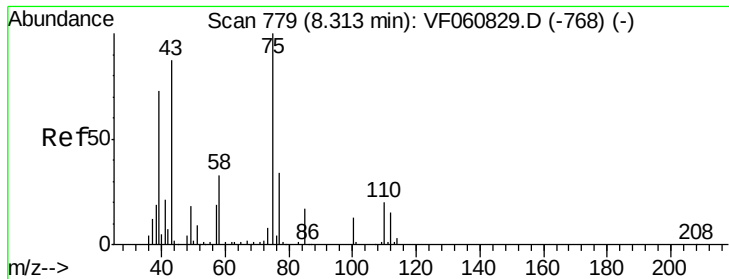
100000

50000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 52.671 ug/l

RT: 8.30 min Scan# 777

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

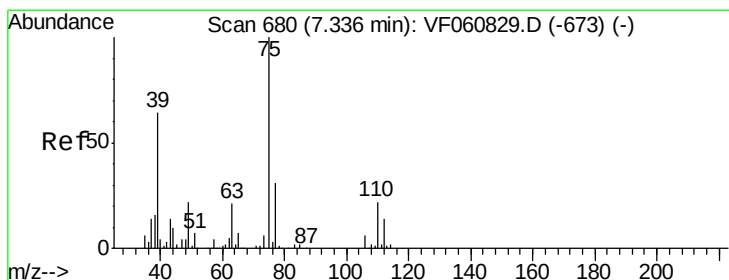
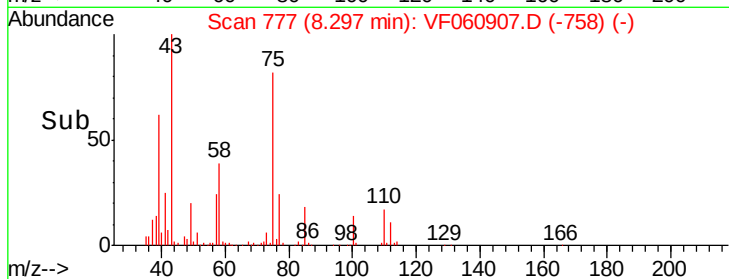
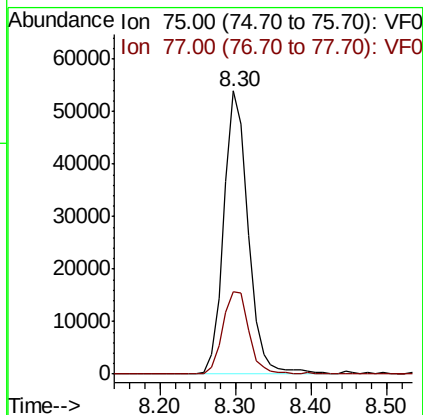
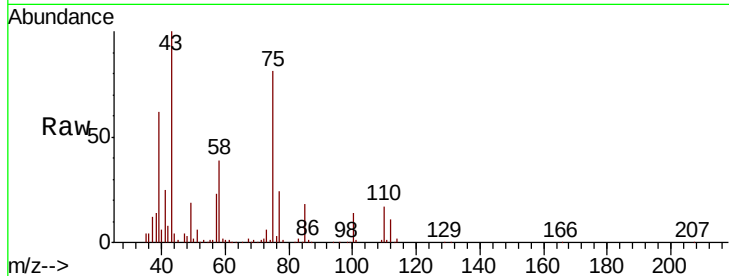
S49-0483MS

Tot Ion: 75 Resp: 120495

Ion Ratio Lower Upper

75 100

77 29.2 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 50.311 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

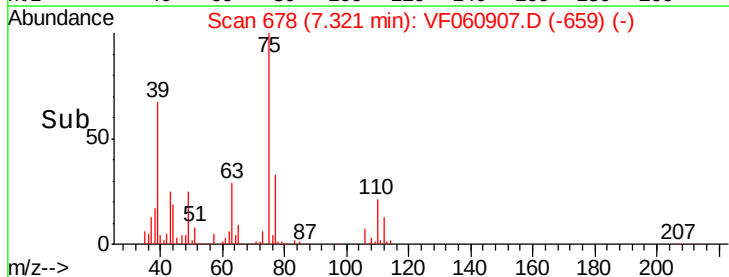
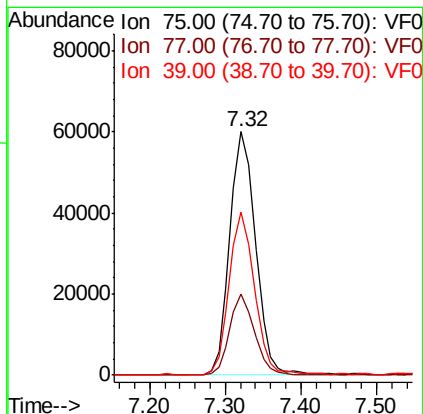
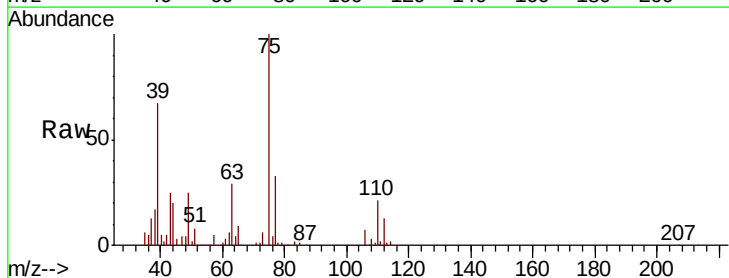
Tgt Ion: 75 Resp: 142486

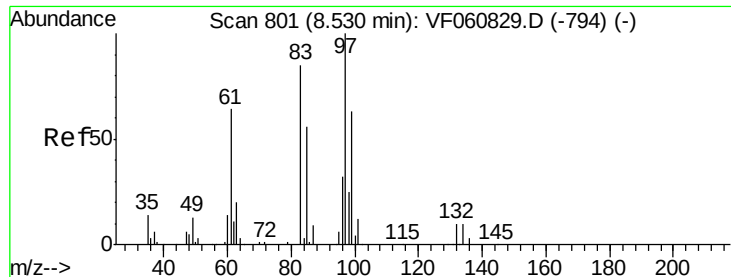
Ion Ratio Lower Upper

75 100

77 33.3 25.0 37.6

39 67.1 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 56.249 ug/l

RT: 8.51 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

Tot Ion: 97 Resp: 69196

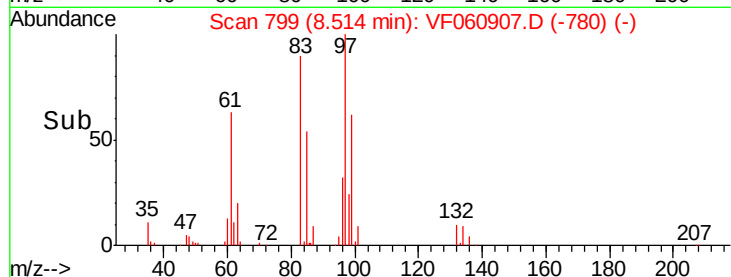
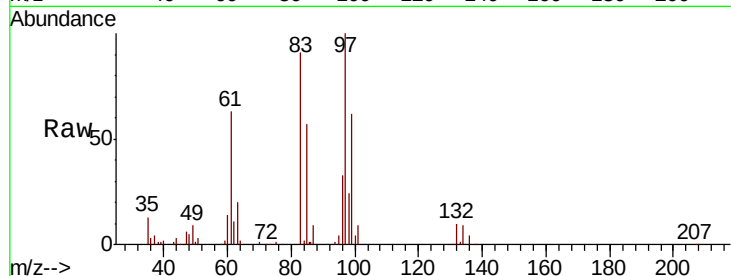
Ion	Ratio	Lower	Upper
97	100		
83	90.9	67.8	101.6
85	56.8	45.0	67.6
99	62.4	50.5	75.7

97 100

83 90.9 67.8 101.6

85 56.8 45.0 67.6

99 62.4 50.5 75.7

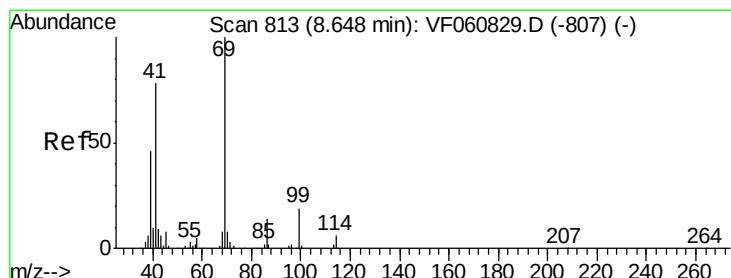
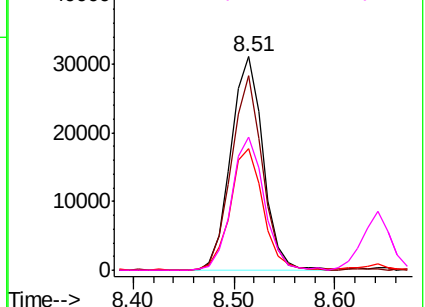


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 59.171 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

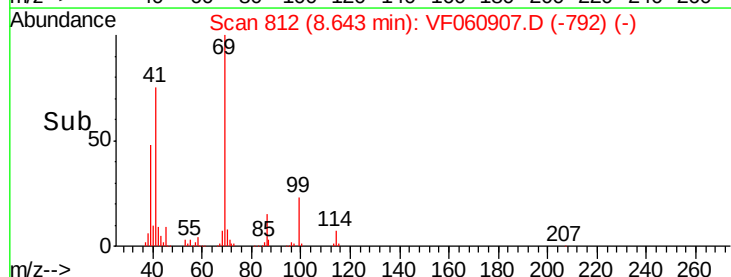
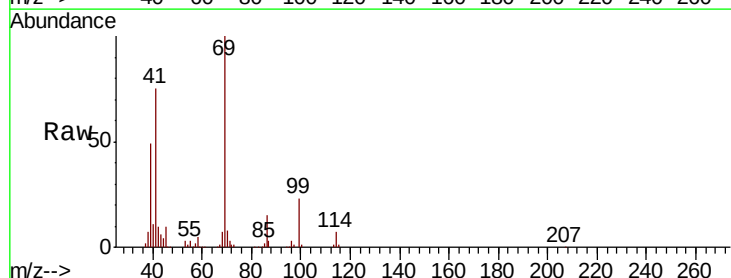
Tgt Ion: 69 Resp: 80860

Ion	Ratio	Lower	Upper
69	100		
41	75.3	62.6	94.0
39	49.0	37.8	56.6

69 100

41 75.3 62.6 94.0

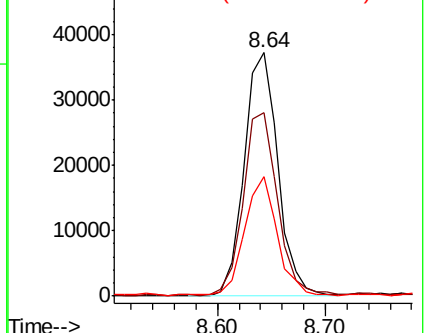
39 49.0 37.8 56.6

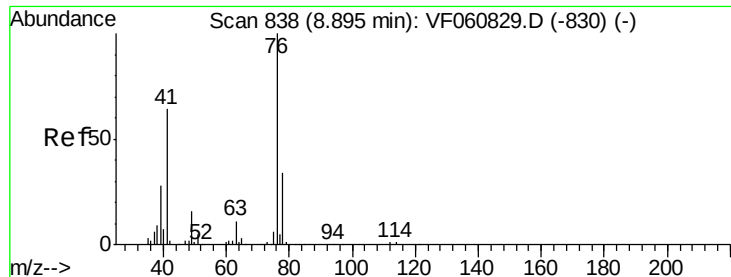


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 55.877 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

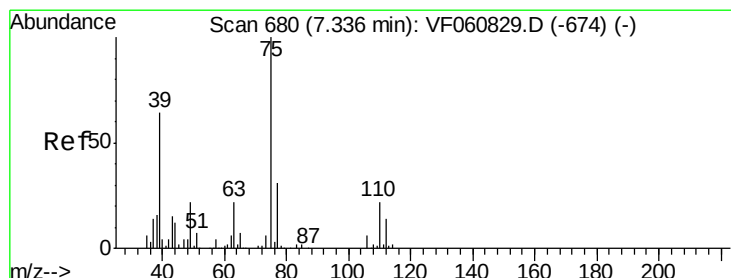
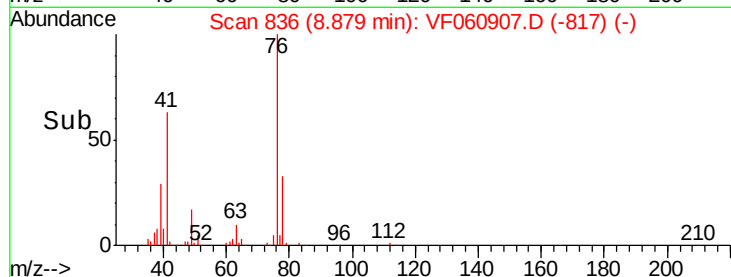
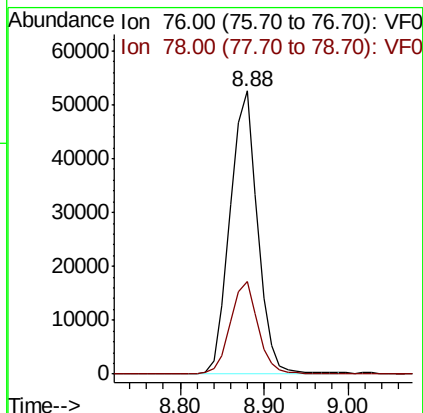
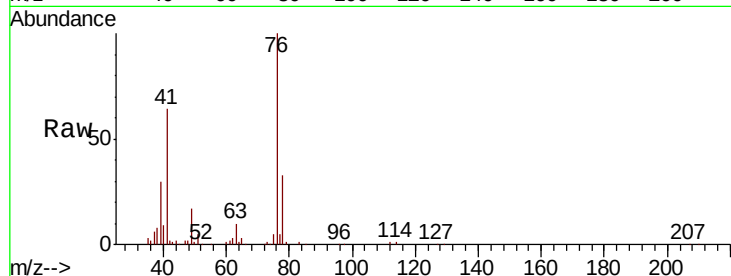
S49-0483MS

Tot Ion: 76 Resp: 120261

Ion Ratio Lower Upper

76 100

78 32.6 27.0 40.4



#58

2-Chloroethyl Vinyl ether

Concen: 295.445 ug/l

RT: 7.32 min Scan# 678

Delta R.T. -0.02 min

Lab File: VF060907.D

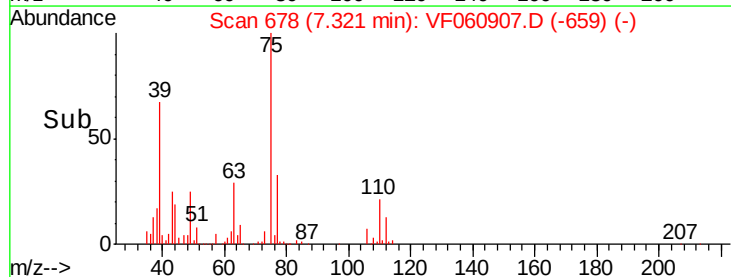
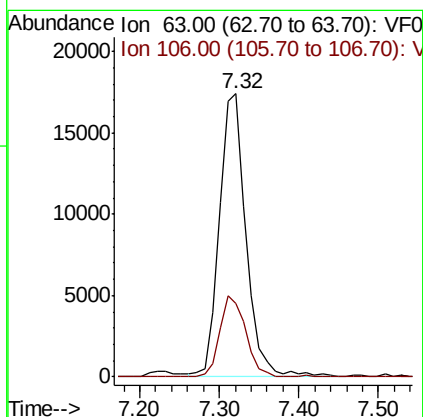
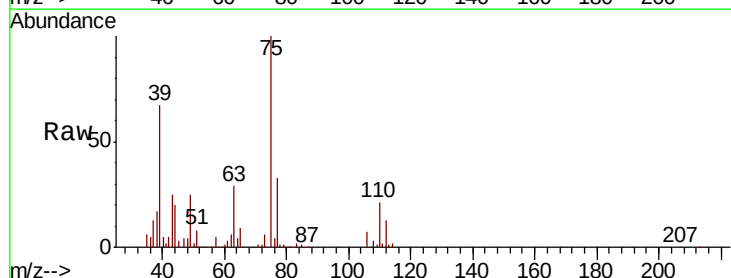
Acq: 3 Dec 2018 22:41

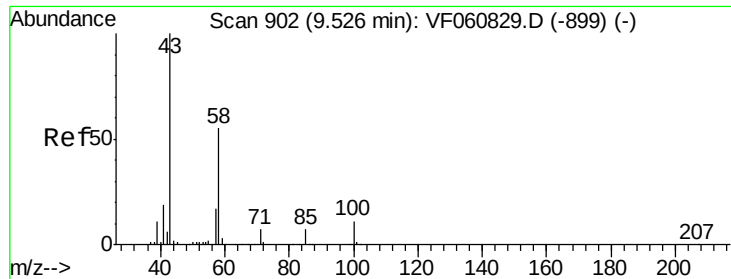
Tgt Ion: 63 Resp: 41297

Ion Ratio Lower Upper

63 100

106 25.8 23.0 34.6

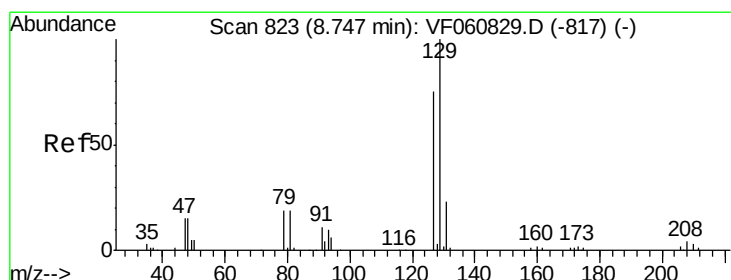
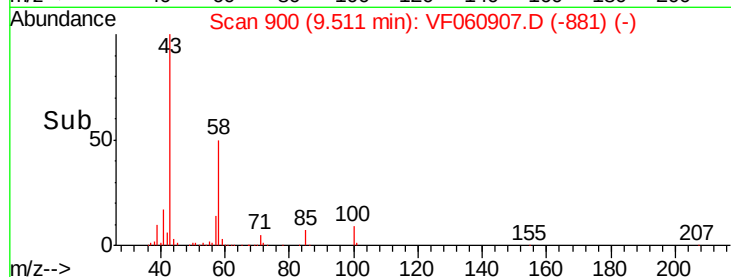
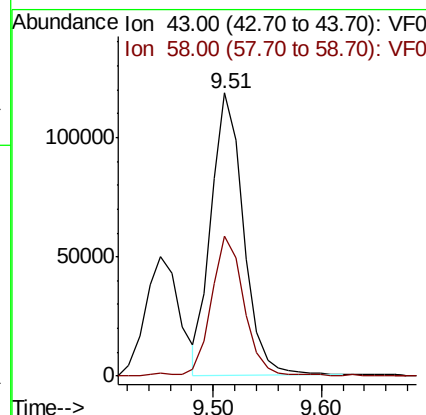
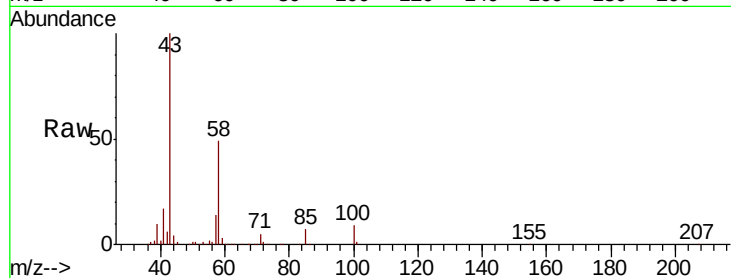




#59
2-Hexanone
Concen: 342.111 ug/l
RT: 9.51 min Scan# 900
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

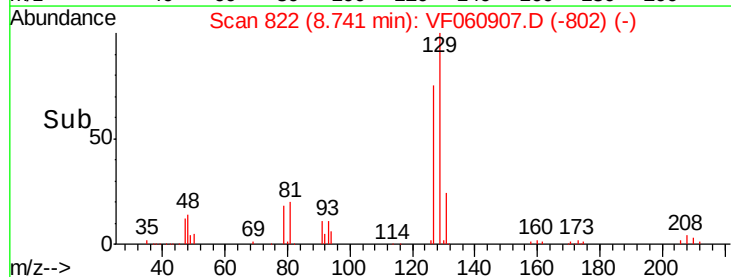
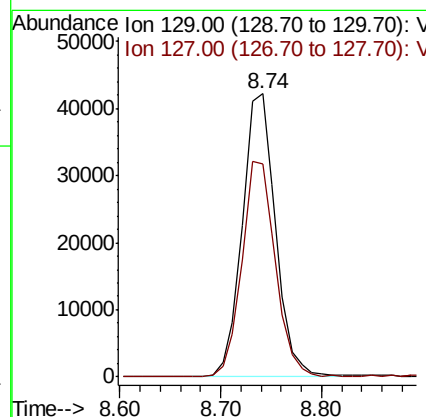
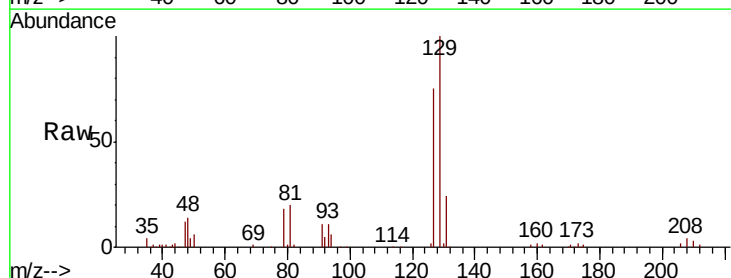
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

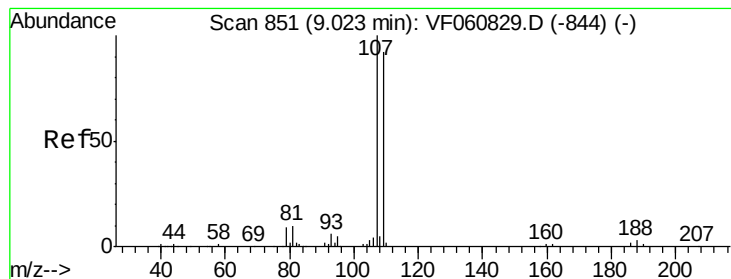
Tot Ion: 43 Resp: 244697
Ion Ratio Lower Upper
43 100
58 49.4 25.6 76.6



#60
Dibromochloromethane
Concen: 53.041 ug/l
RT: 8.74 min Scan# 822
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 129 Resp: 97219
Ion Ratio Lower Upper
129 100
127 75.1 37.3 111.9





#61

1,2-Dibromoethane

Concen: 53.845 ug/l

RT: 9.01 min Scan# 849

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

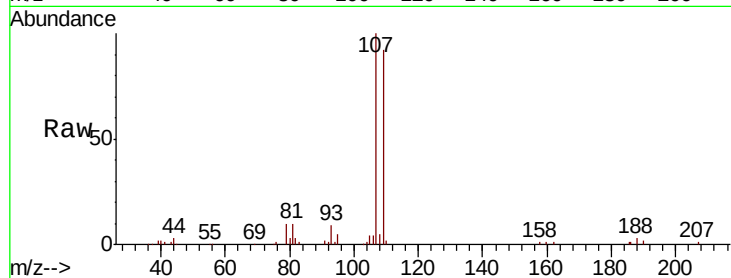
S49-0483MS

Tot Ion:107 Resp: 71557

Ion Ratio Lower Upper

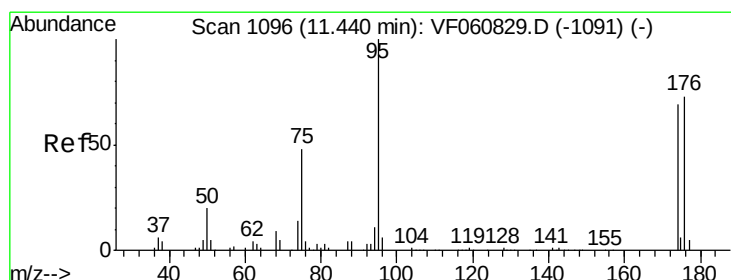
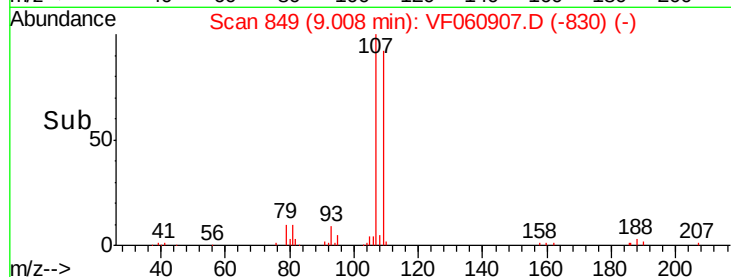
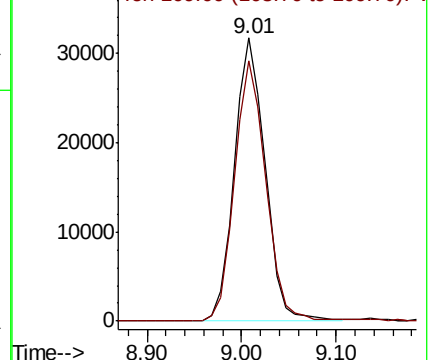
107 100

109 92.0 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 53.152 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

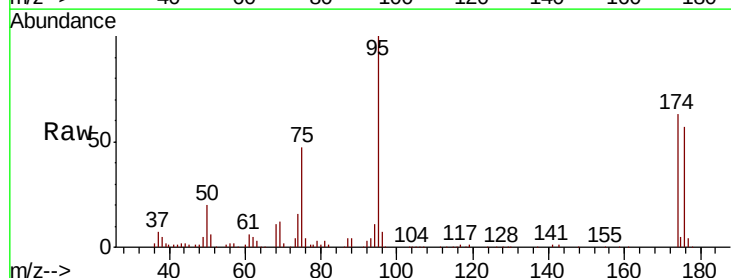
Tgt Ion: 95 Resp: 138468

Ion Ratio Lower Upper

95 100

174 62.9 0.0 138.2

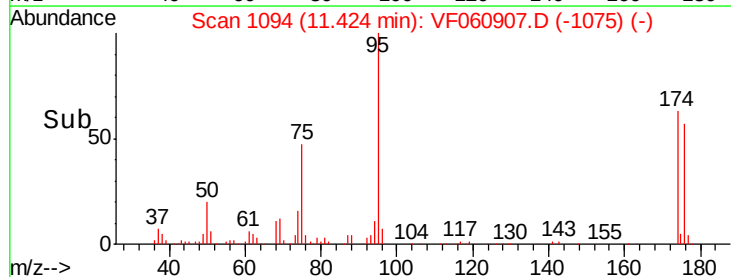
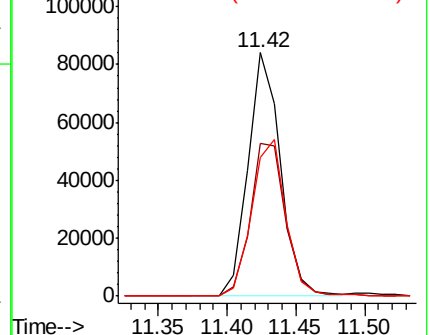
176 57.1 0.0 146.2

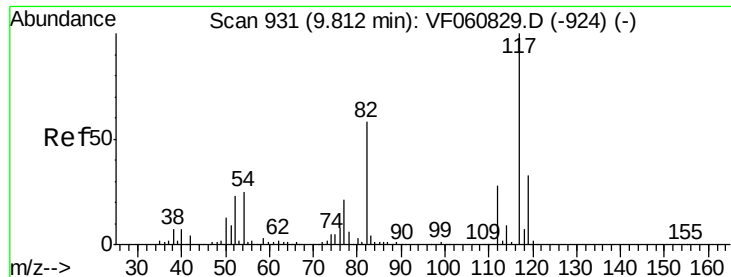


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

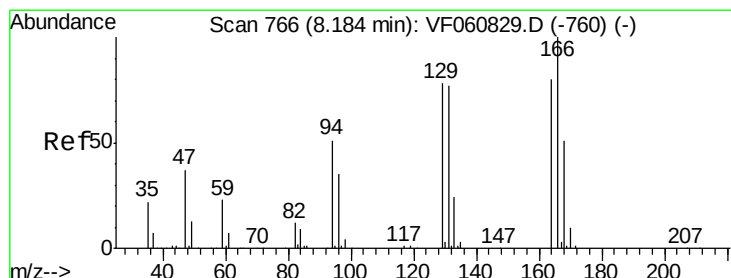
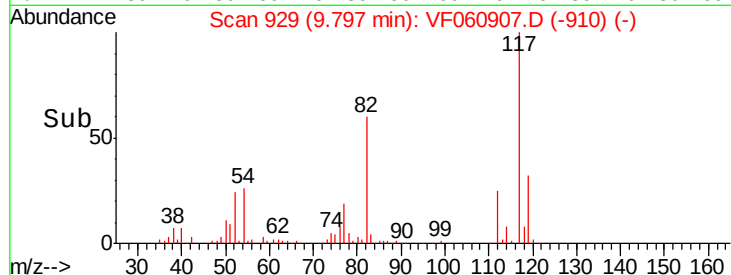
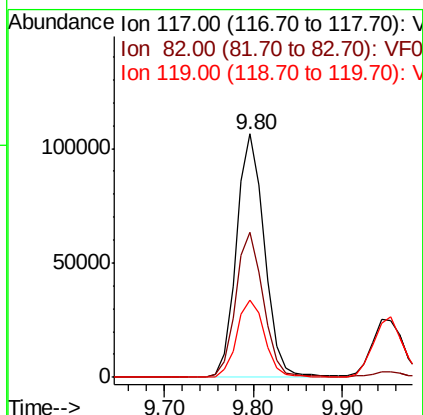
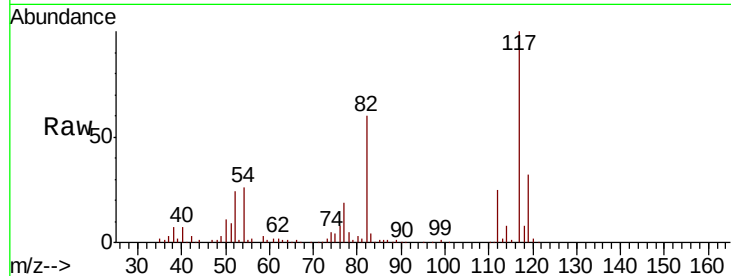




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

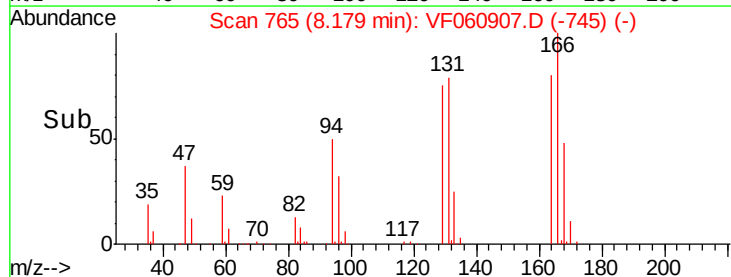
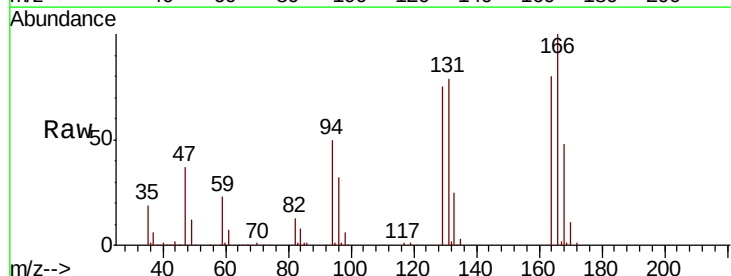
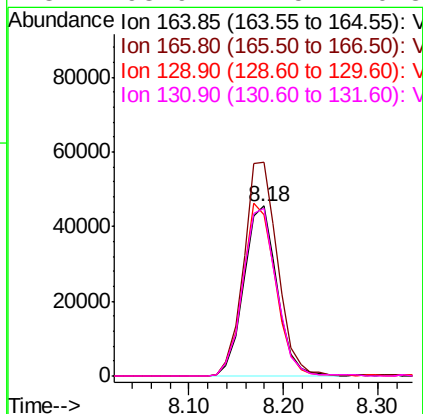
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

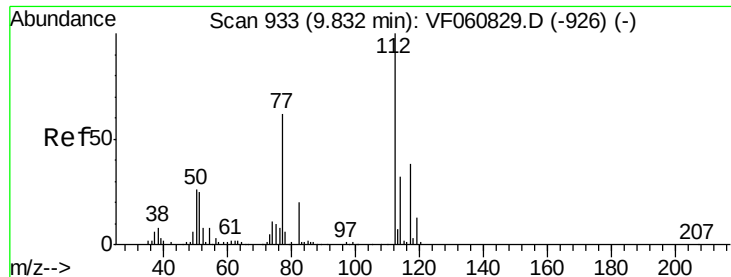
Tot Ion:117 Resp: 233288
Ion Ratio Lower Upper
117 100
82 59.7 46.6 69.8
119 31.5 26.4 39.6



#64
Tetrachloroethene
Concen: 61.845 ug/l
RT: 8.18 min Scan# 765
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion:164 Resp: 110199
Ion Ratio Lower Upper
164 100
166 125.7 100.3 150.5
129 94.7 77.9 116.9
131 98.9 77.5 116.3

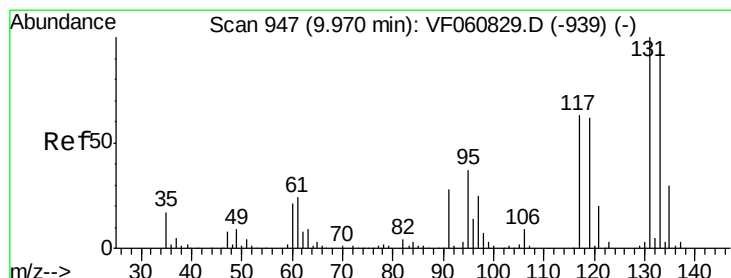
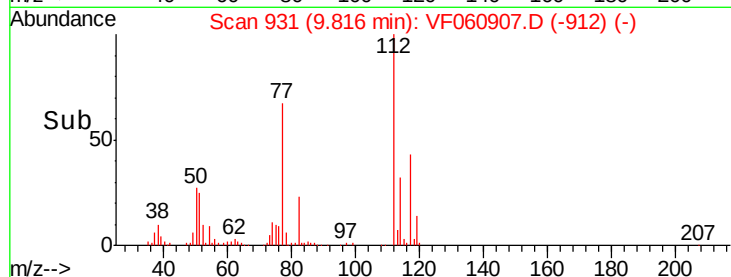
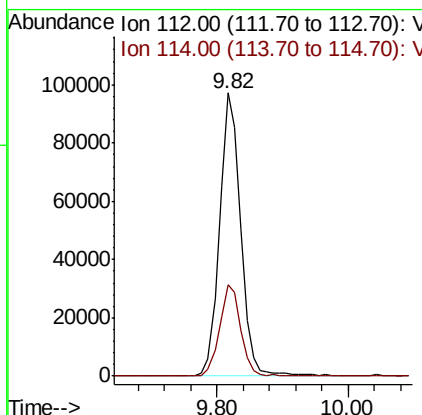
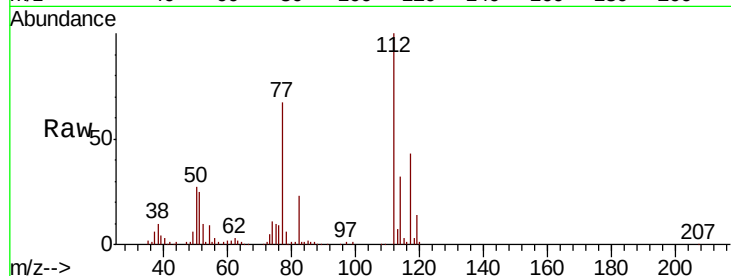




#65
Chlorobenzene
Concen: 47.846 ug/l
RT: 9.82 min Scan# 931
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

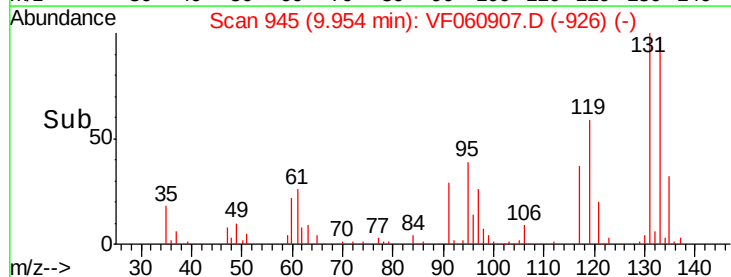
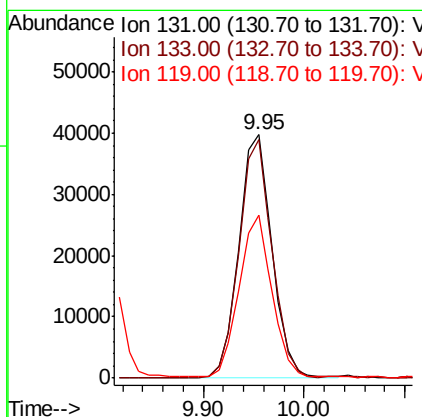
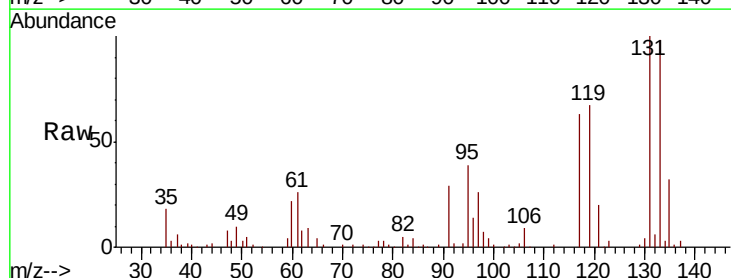
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

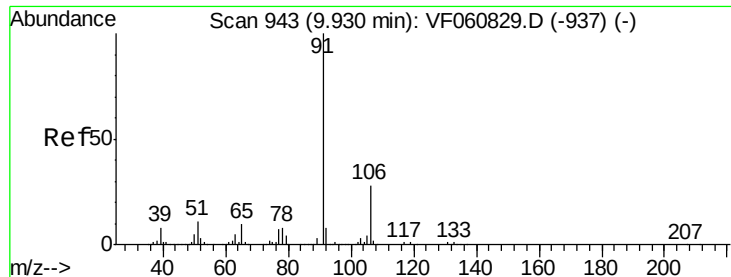
Tot Ion:112 Resp: 217142
Ion Ratio Lower Upper
112 100
114 32.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 46.622 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion:131 Resp: 90962
Ion Ratio Lower Upper
131 100
133 97.8 46.5 139.3
119 67.2 31.1 93.3

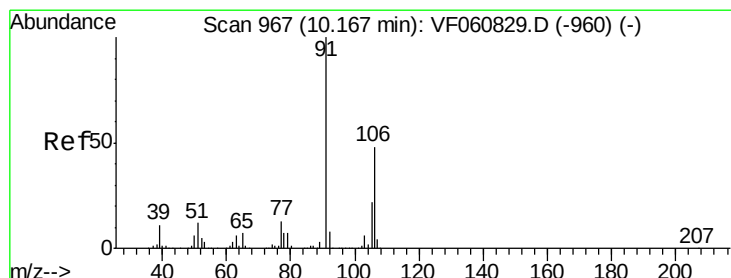
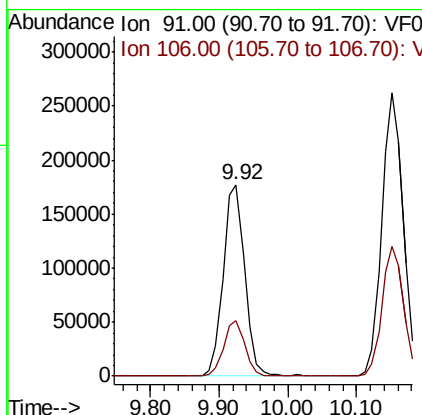
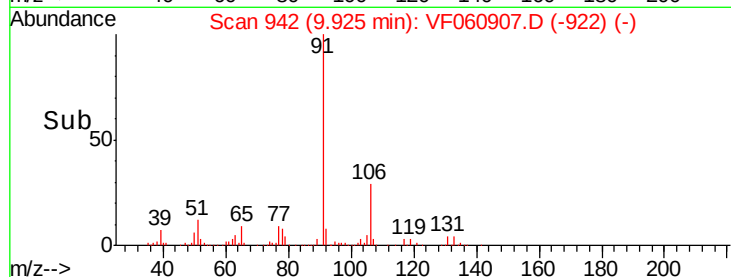
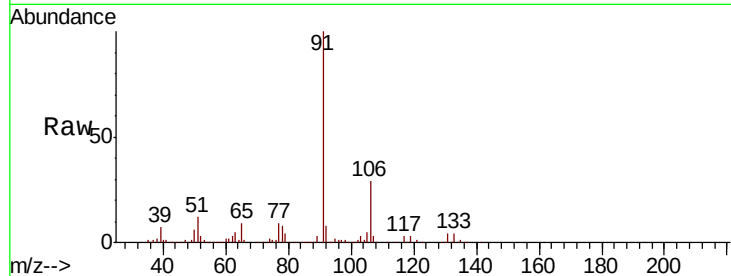




#67
Ethyl Benzene
Concen: 45.658 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

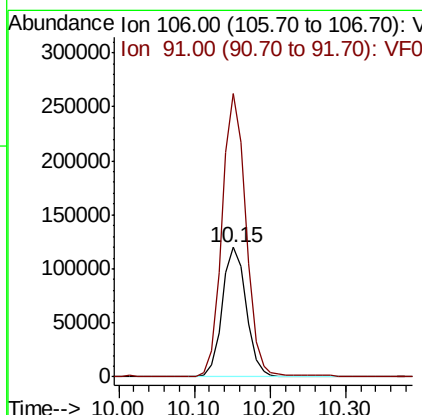
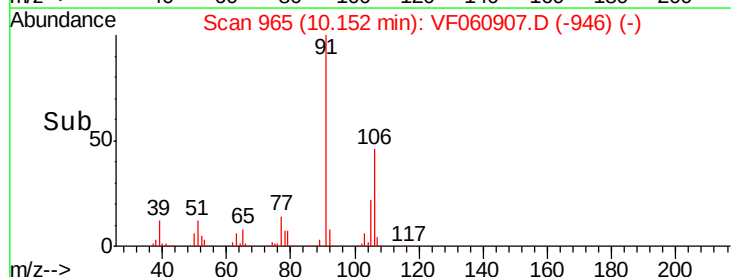
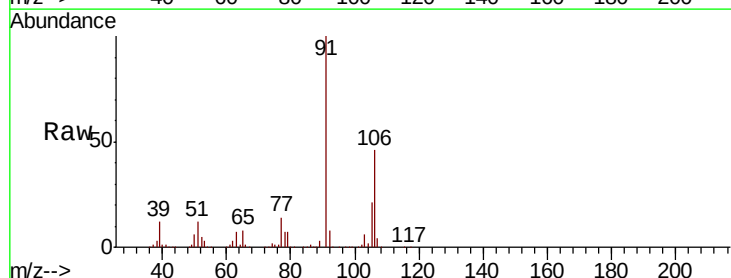
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

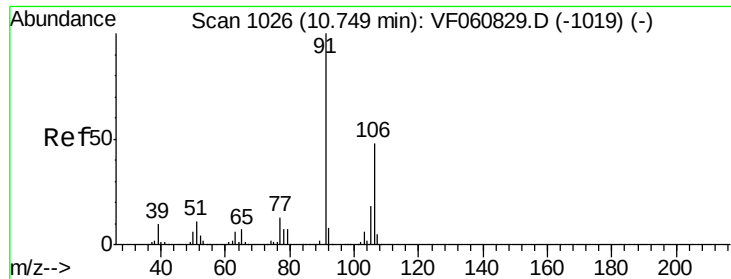
Tot Ion: 91 Resp: 385767
Ion Ratio Lower Upper
91 100
106 29.0 22.2 33.2



#68
m/p-Xylenes
Concen: 87.257 ug/l
RT: 10.15 min Scan# 965
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 106 Resp: 265154
Ion Ratio Lower Upper
106 100
91 219.0 166.7 250.1

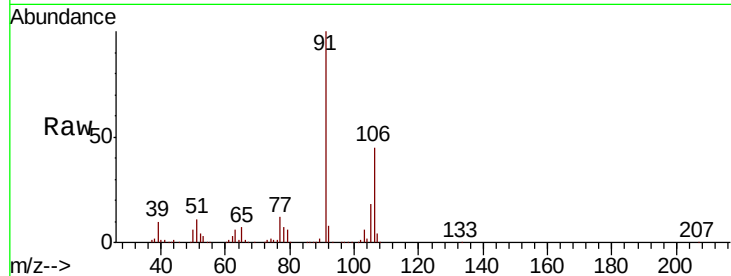




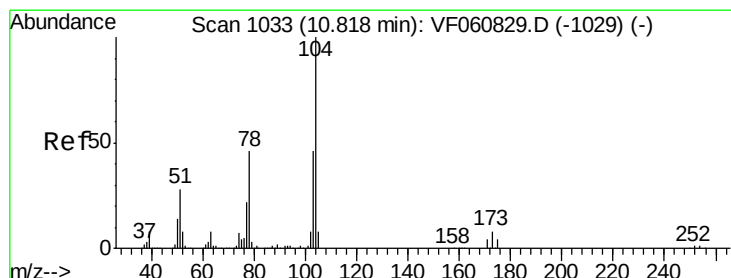
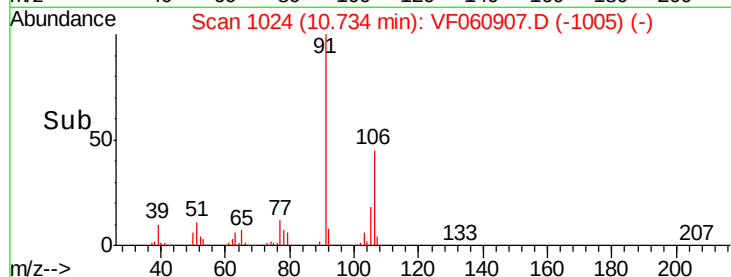
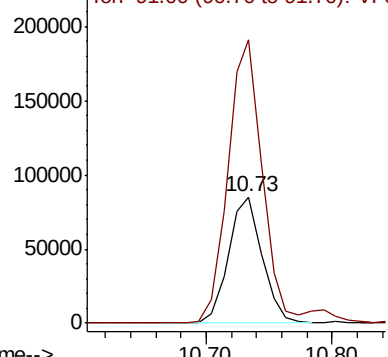
#69
o-Xylene
Concen: 47.286 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

Tot Ion:106 Resp: 158452
Ion Ratio Lower Upper
106 100
91 224.7 104.8 314.6

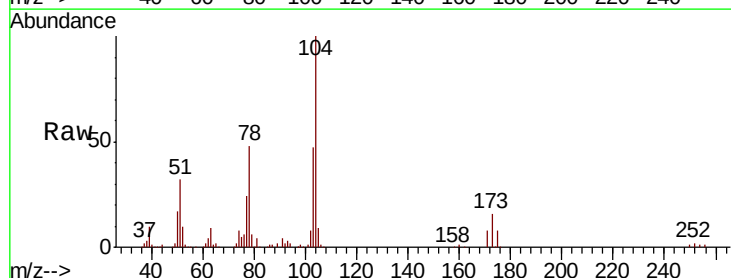


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

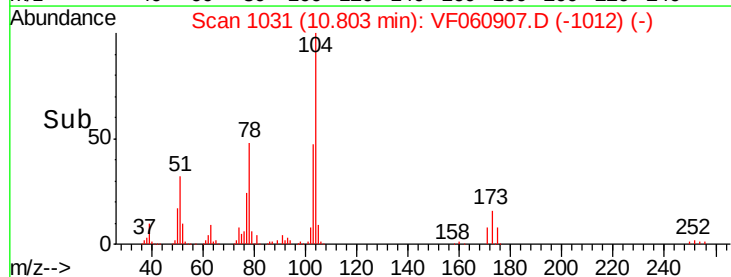
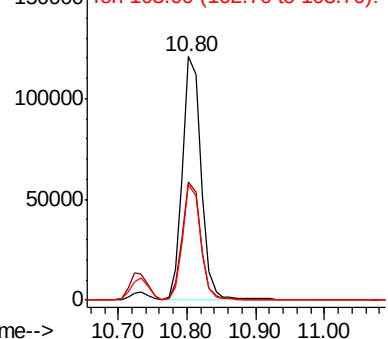


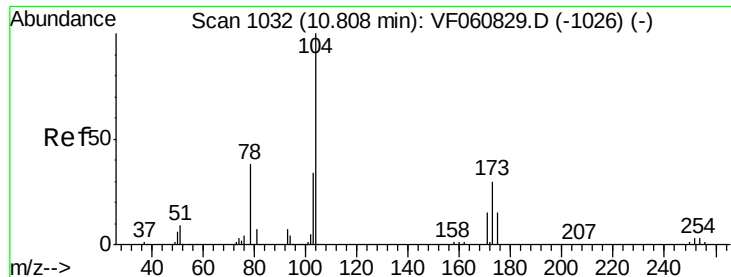
#70
Styrene
Concen: 49.197 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. -0.02 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion:104 Resp: 228524
Ion Ratio Lower Upper
104 100
78 48.5 37.3 55.9
103 47.4 36.8 55.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 59.936 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

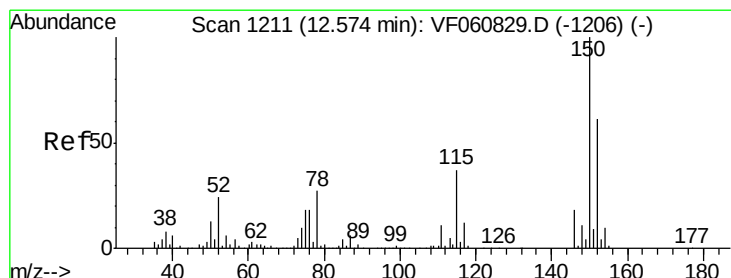
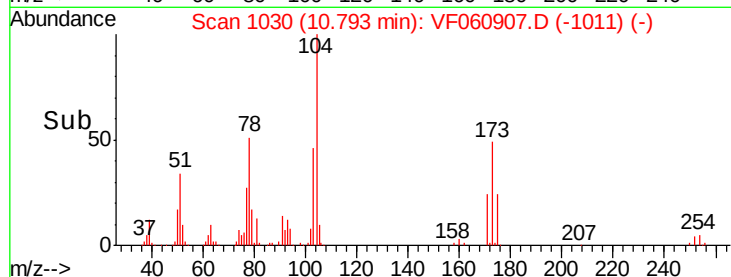
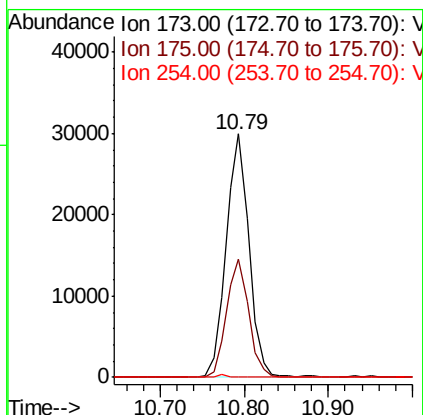
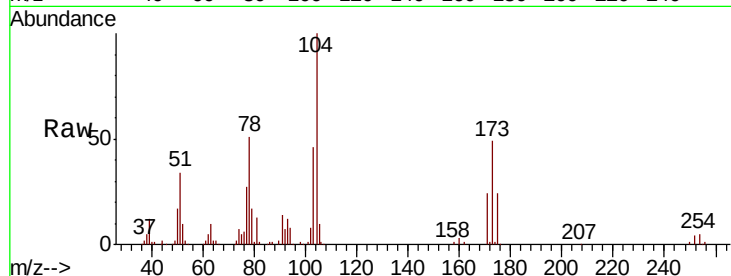
Tot Ion:173 Resp: 56484

Ion Ratio Lower Upper

173 100

175 48.7 25.5 76.5

254 0.0 7.5 11.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.57 min Scan# 1210

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

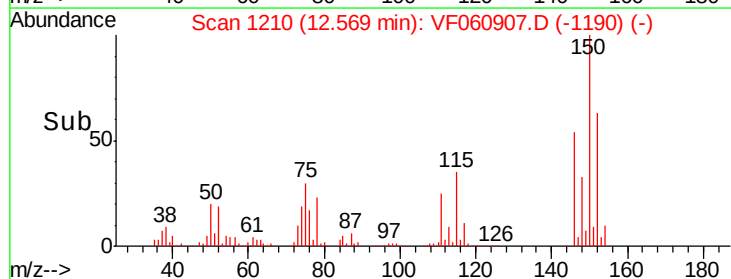
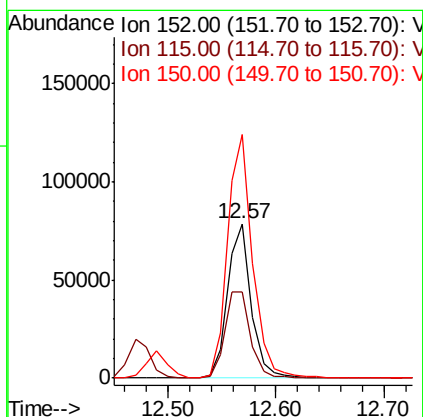
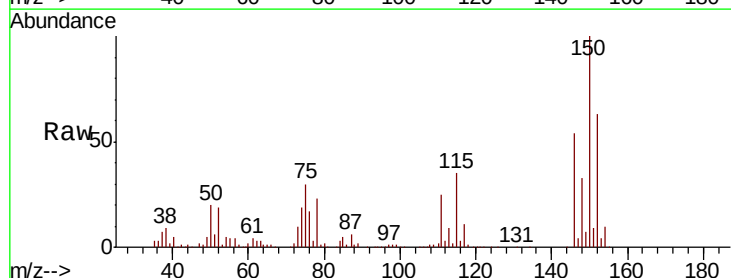
Tgt Ion:152 Resp: 119898

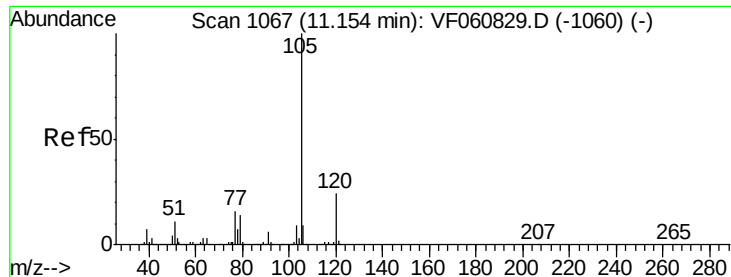
Ion Ratio Lower Upper

152 100

115 55.8 30.1 90.5

150 157.6 0.0 327.6





#73

Isopropylbenzene

Concen: 47.372 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

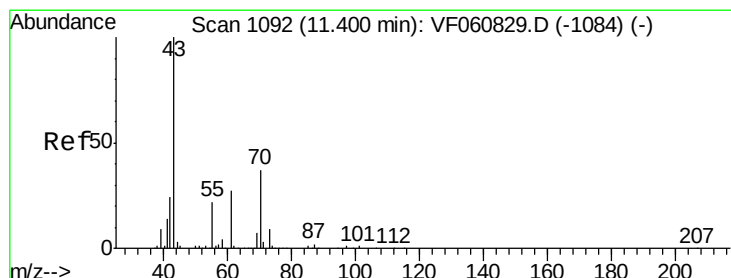
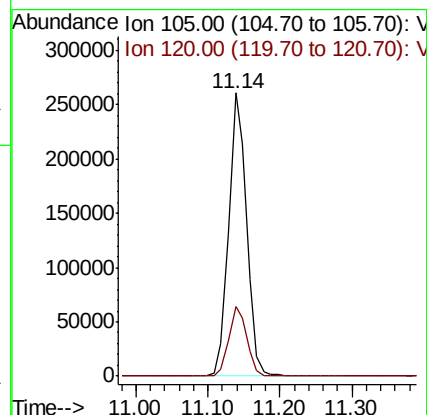
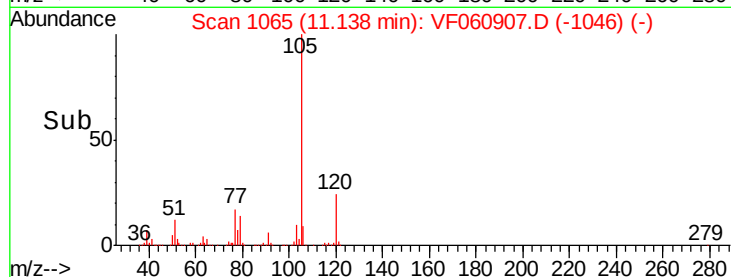
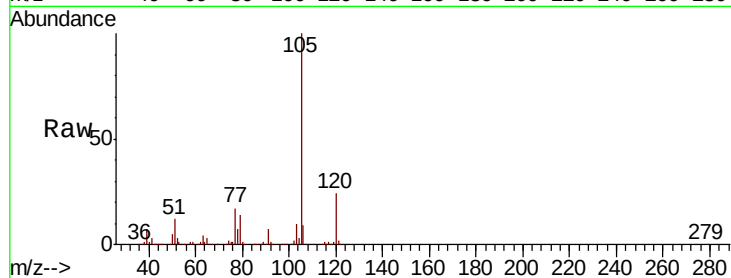
S49-0483MS

Tot Ion:105 Resp: 448850

Ion Ratio Lower Upper

105 100

120 24.4 12.2 36.4



#74

N-ethyl acetate

Concen: 63.414 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Tgt Ion: 43 Resp: 138744

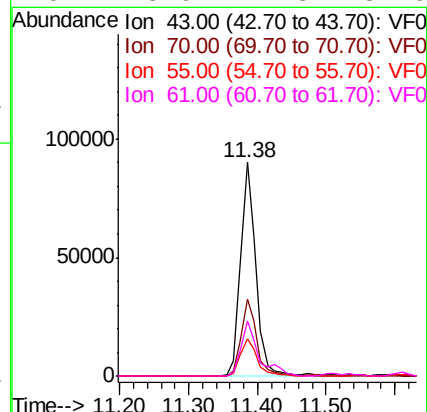
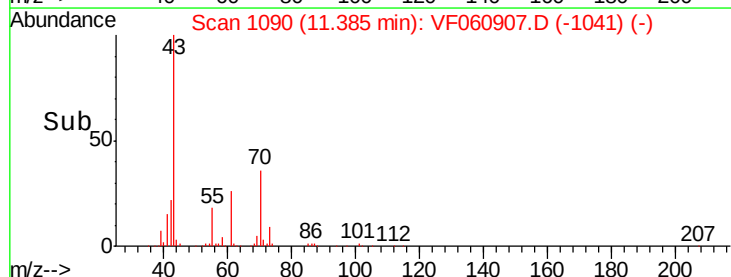
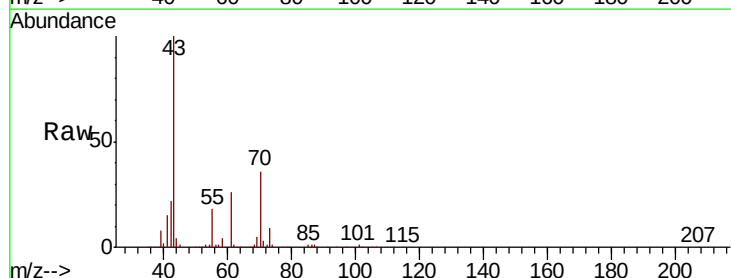
Ion Ratio Lower Upper

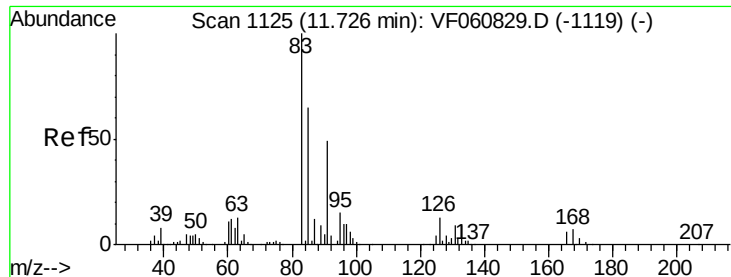
43 100

70 35.8 29.6 44.4

55 17.7 17.2 25.8

61 25.9 21.8 32.6





#75

1,1,2,2-Tetrachloroethane

Concen: 62.792 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

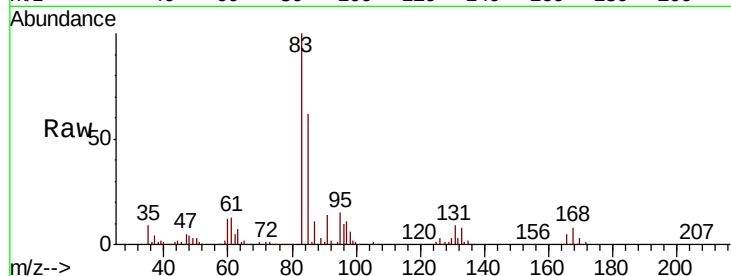
Tot Ion: 83 Resp: 97917

Ion Ratio Lower Upper

83 100

131 9.3 4.7 14.1

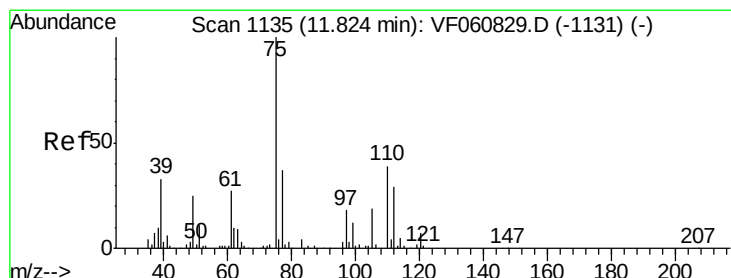
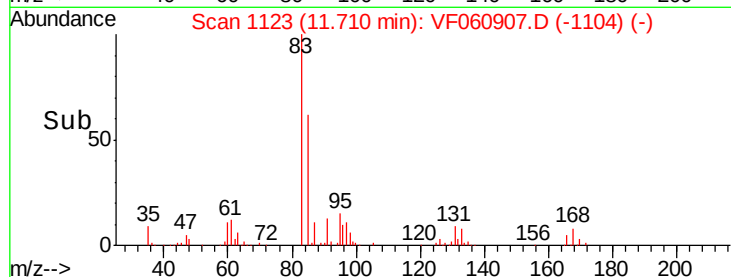
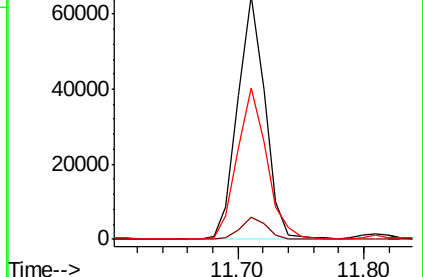
85 62.2 32.6 97.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 63.624 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF060907.D

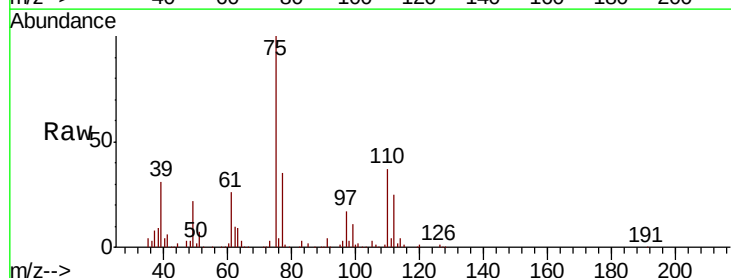
Acq: 3 Dec 2018 22:41

Tgt Ion: 75 Resp: 72115

Ion Ratio Lower Upper

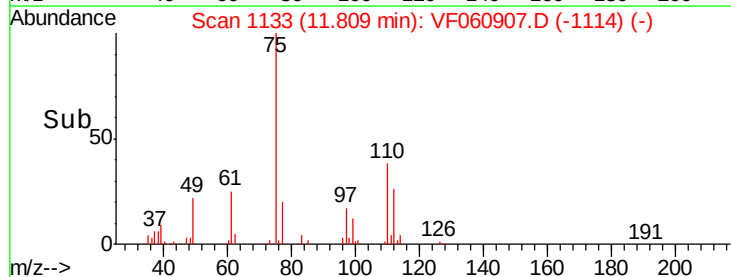
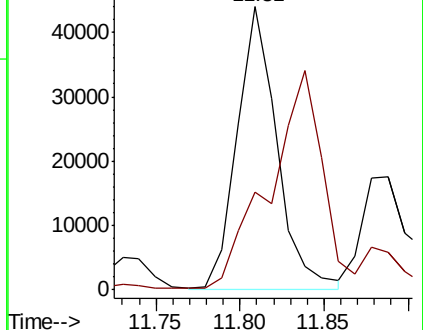
75 100

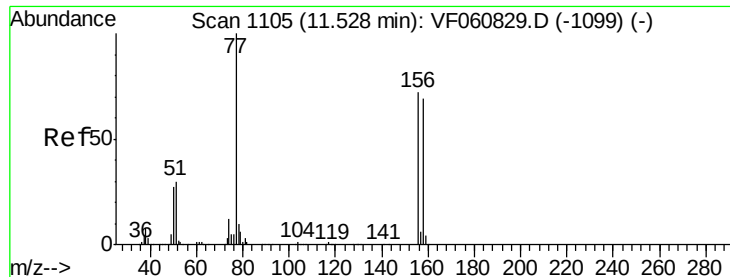
77 34.7 18.4 55.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 49.560 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

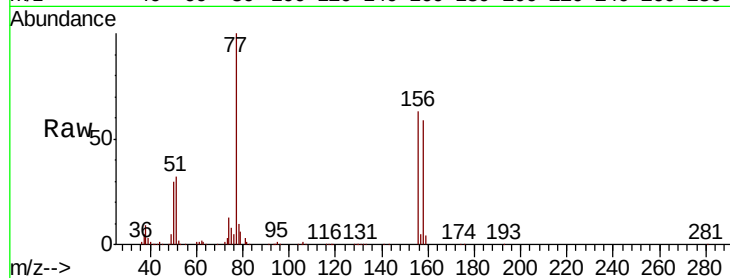
Tot Ion:156 Resp: 102949

Ion Ratio Lower Upper

156 100

77 159.3 69.7 209.0

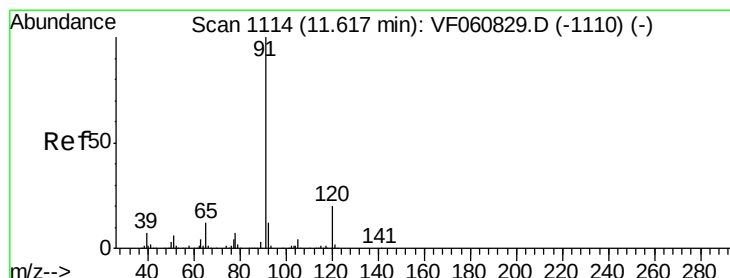
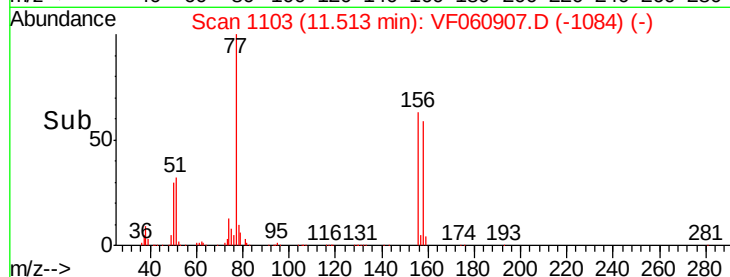
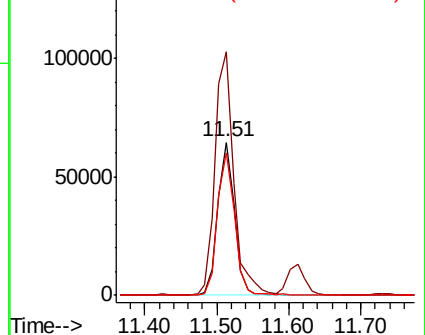
158 93.6 47.8 143.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 46.506 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060907.D

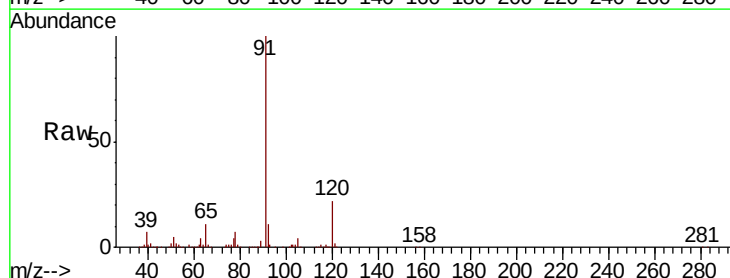
Acq: 3 Dec 2018 22:41

Tgt Ion: 91 Resp: 516032

Ion Ratio Lower Upper

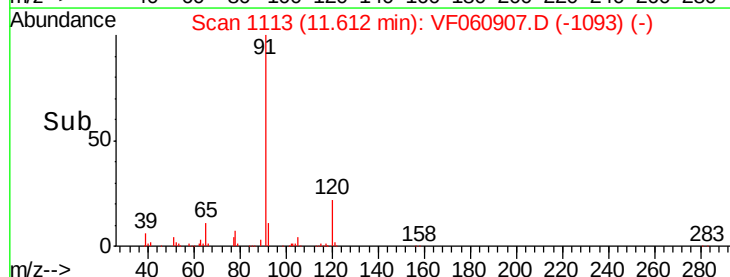
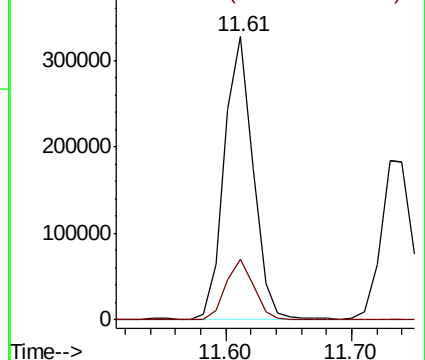
91 100

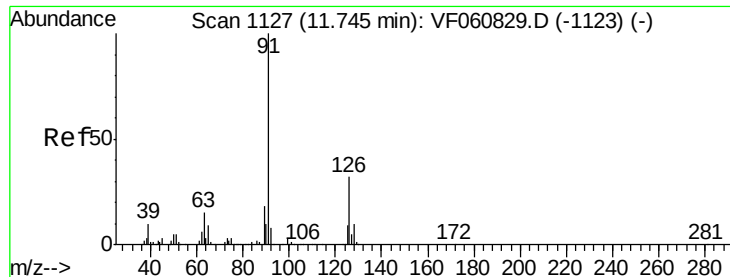
120 21.6 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.077 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

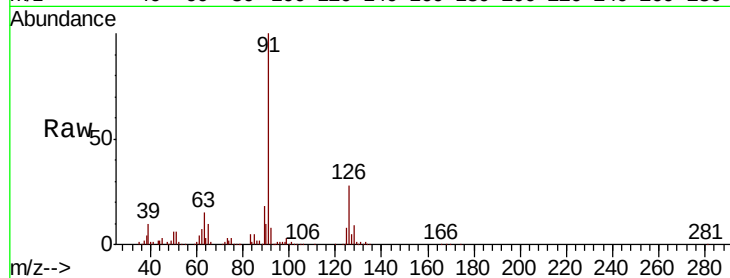
S49-0483MS

Tot Ion: 91 Resp: 312241

Ion Ratio Lower Upper

91 100

126 28.4 15.9 47.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.73

200000

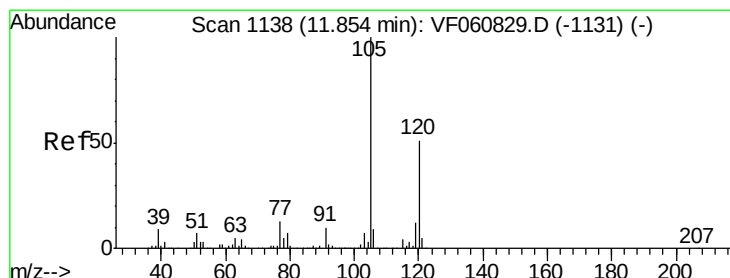
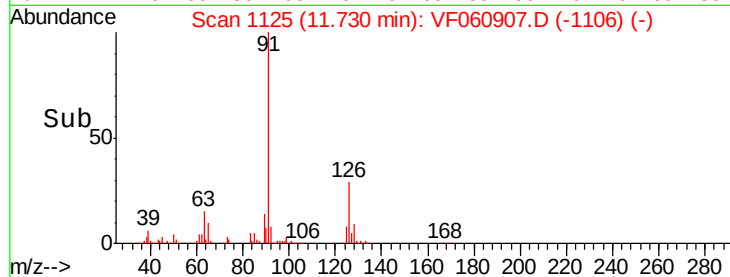
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.456 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. -0.02 min

Lab File: VF060907.D

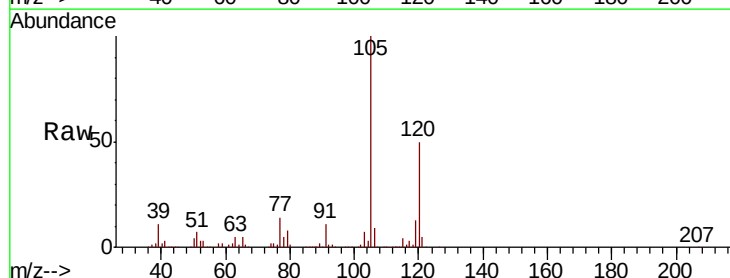
Acq: 3 Dec 2018 22:41

Tgt Ion:105 Resp: 357337

Ion Ratio Lower Upper

105 100

120 50.0 25.8 77.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.84

250000

200000

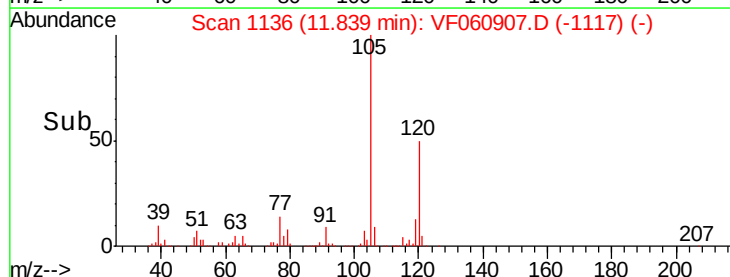
150000

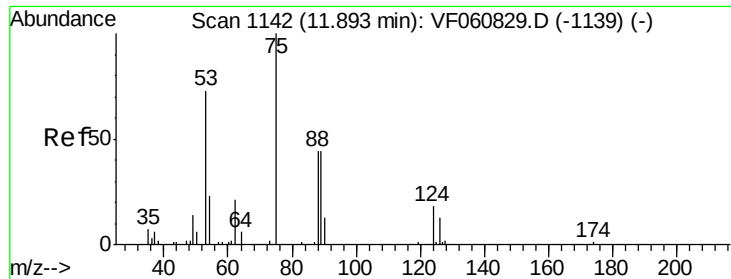
100000

50000

0

Time-->

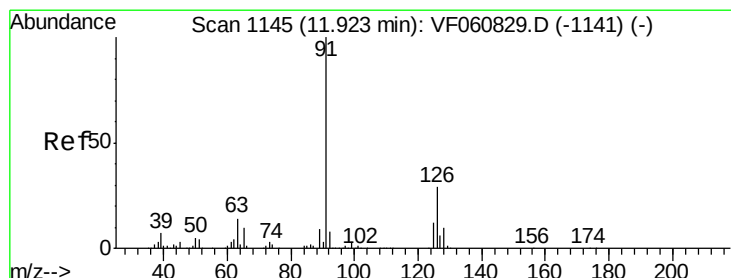
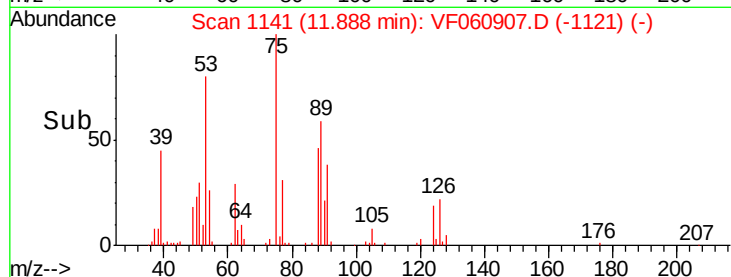
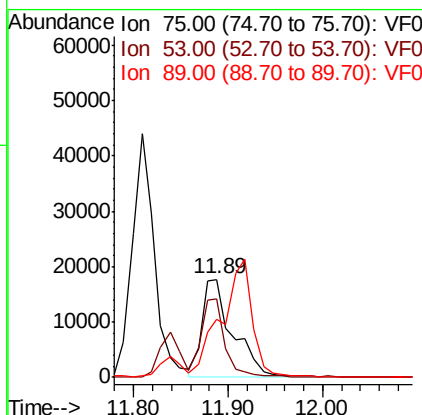
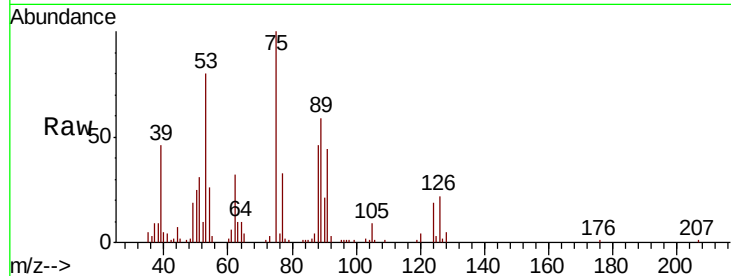




#81
trans-1,4-Dichloro-2-butene
Concen: 73.435 ug/l
RT: 11.89 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

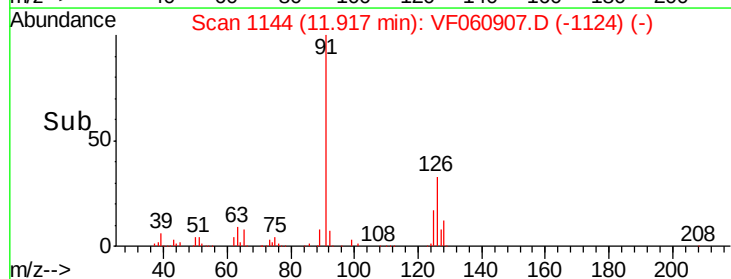
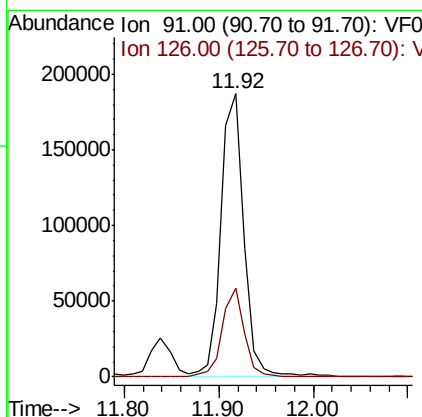
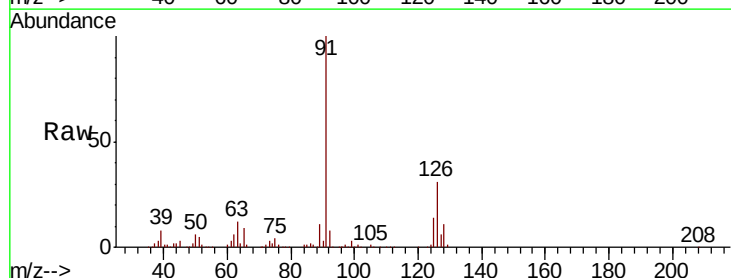
Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

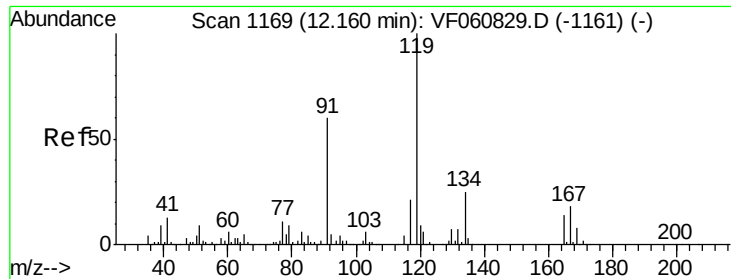
Tot Ion: 75 Resp: 40782
Ion Ratio Lower Upper
75 100
53 79.9 65.9 98.9
89 58.7 38.8 58.2#



#82
4-Chlorotoluene
Concen: 46.575 ug/l
RT: 11.92 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion: 91 Resp: 311841
Ion Ratio Lower Upper
91 100
126 31.2 14.8 44.4

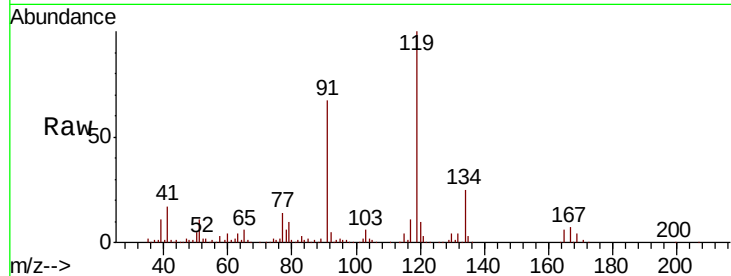




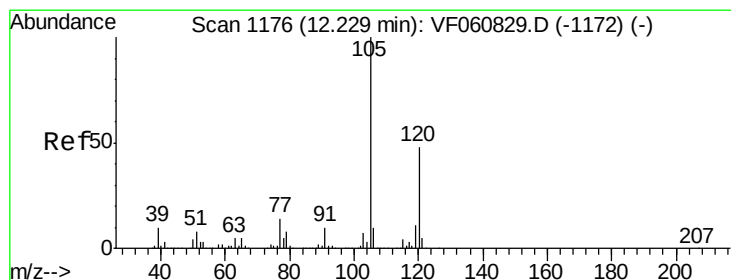
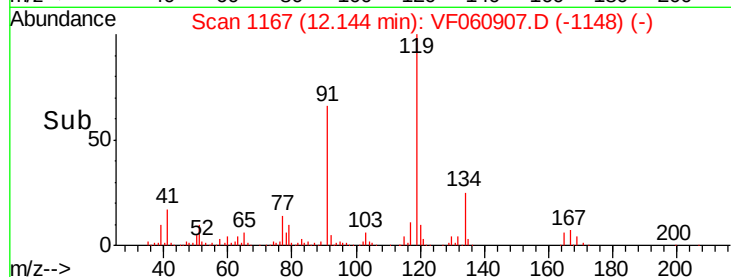
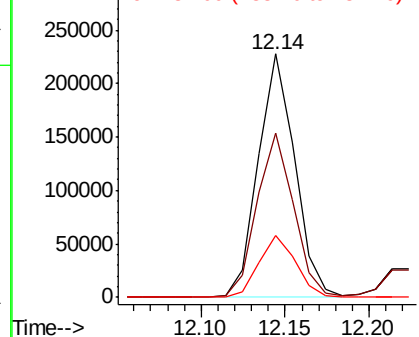
#83
 tert-Butylbenzene
 Concen: 43.985 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

Tot Ion:119 Resp: 344632
 Ion Ratio Lower Upper
 119 100
 91 67.3 30.1 90.3
 134 25.4 12.6 37.8

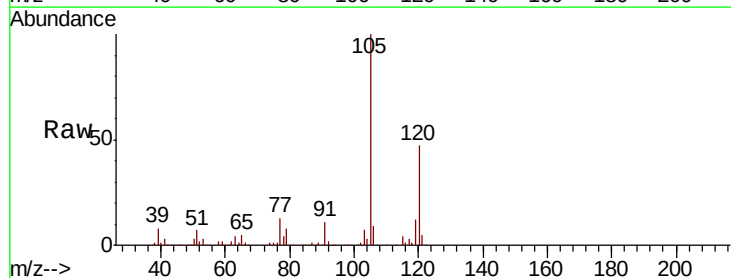


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

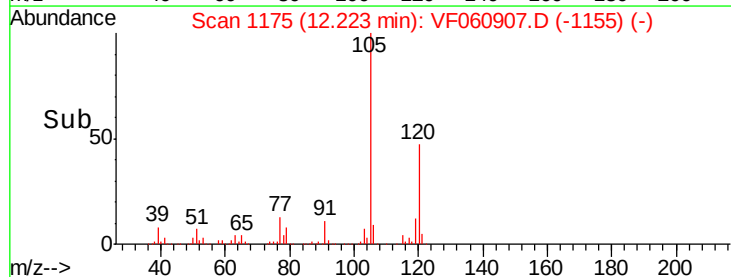
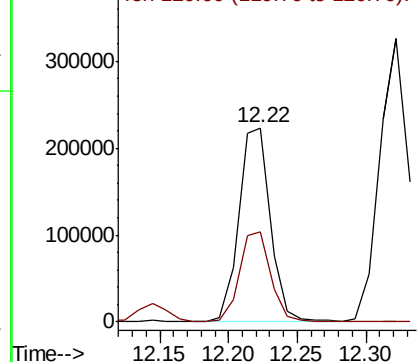


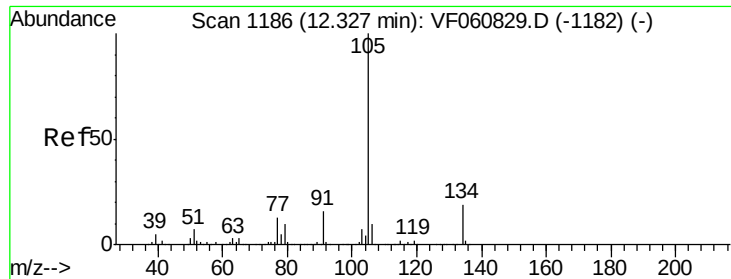
#84
 1,2,4-Trimethylbenzene
 Concen: 46.460 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. -0.01 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion:105 Resp: 356659
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.8 71.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 45.326 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. -0.01 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

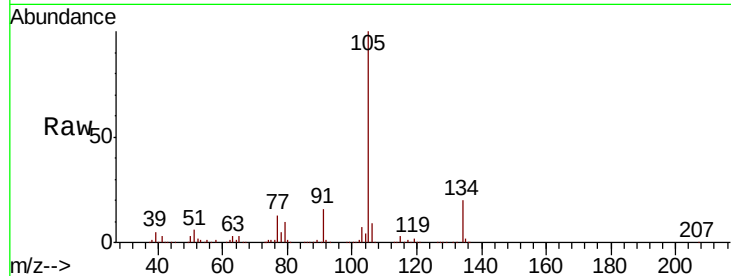
S49-0483MS

Tot Ion:105 Resp: 486167

Ion Ratio Lower Upper

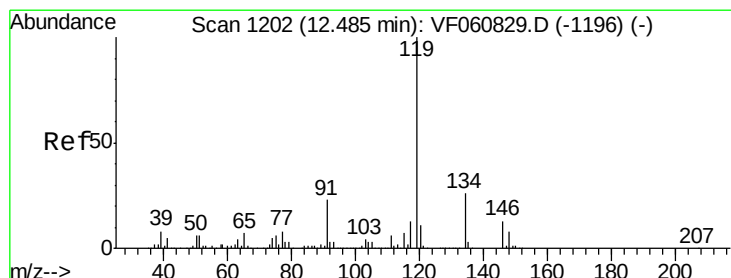
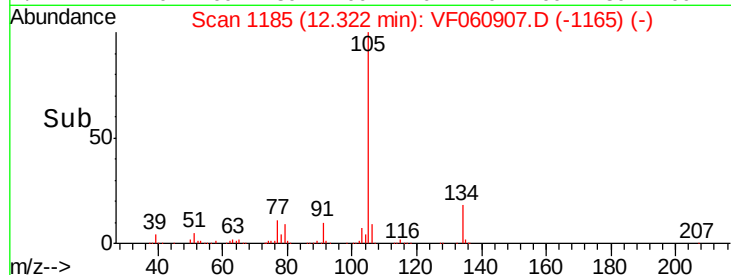
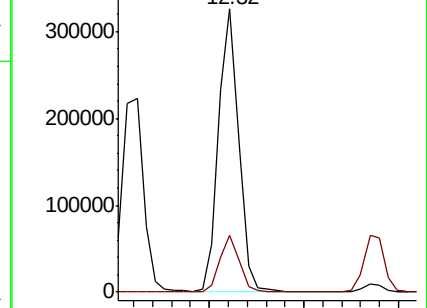
105 100

134 19.9 9.5 28.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 45.135 ug/l

RT: 12.47 min Scan# 1200

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

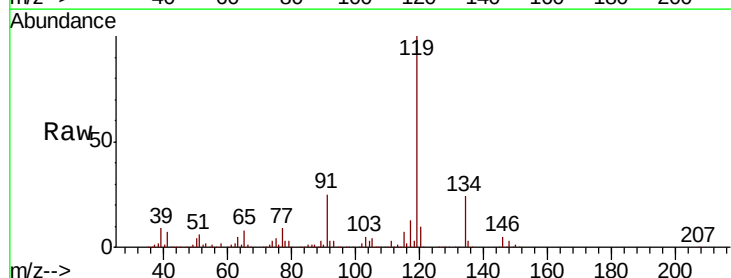
Tgt Ion:119 Resp: 405884

Ion Ratio Lower Upper

119 100

134 24.0 12.9 38.6

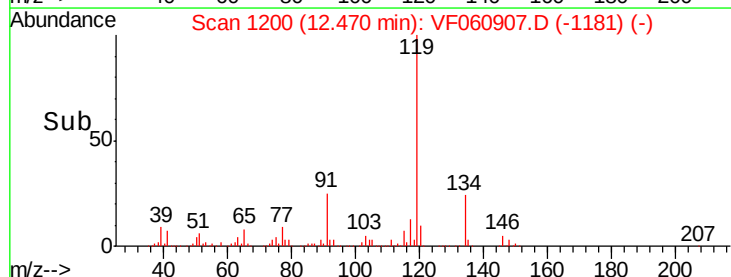
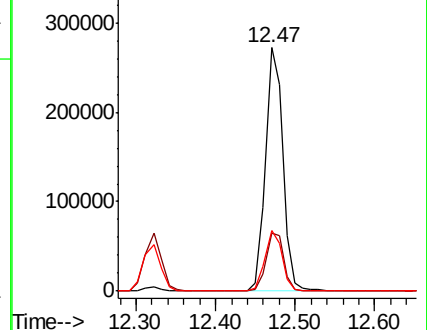
91 25.1 11.8 35.3

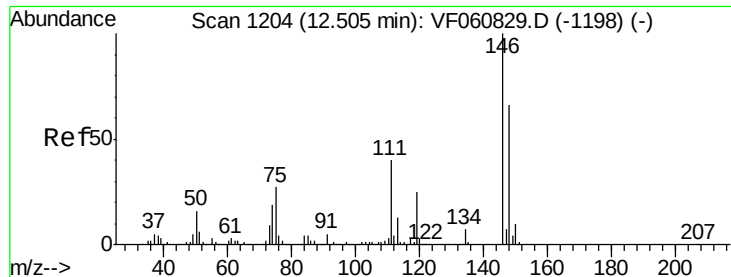


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

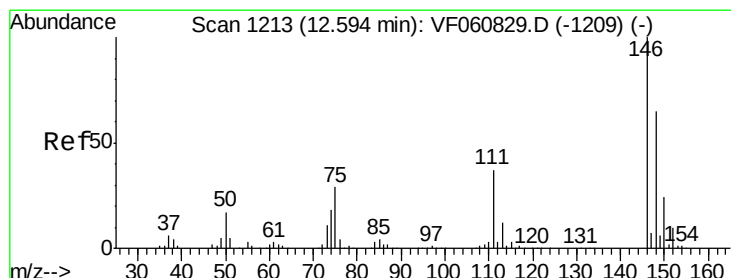
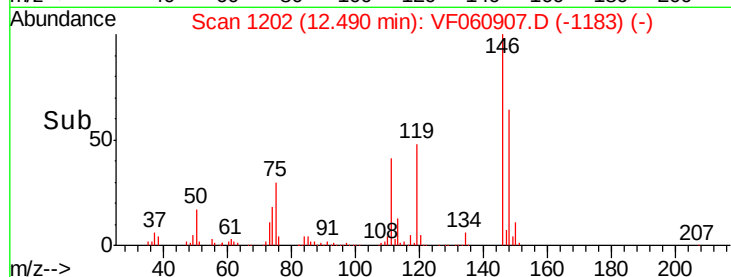
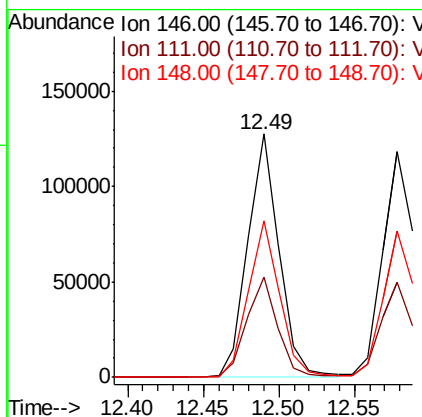
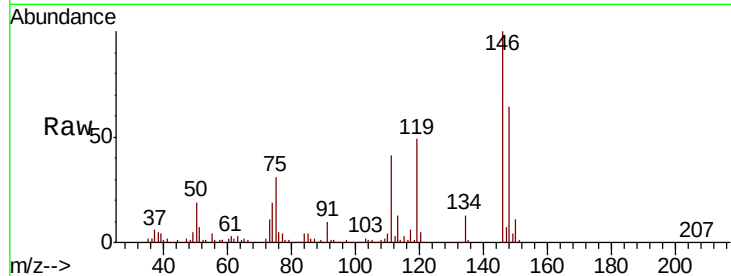




#87
 1,3-Dichlorobenzene
 Concen: 46.645 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

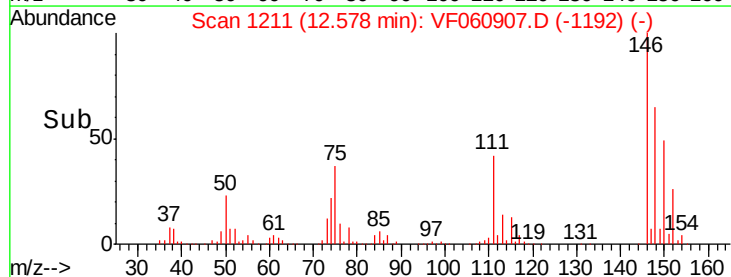
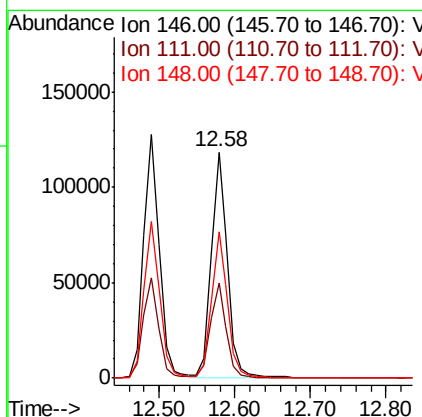
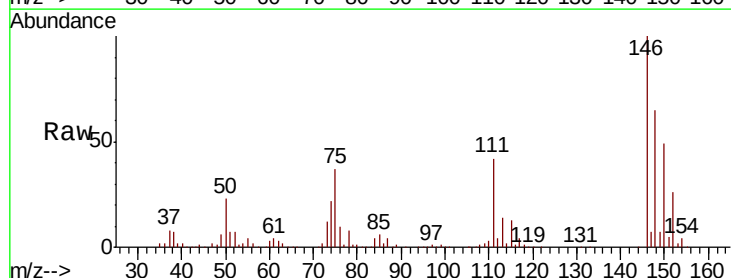
Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

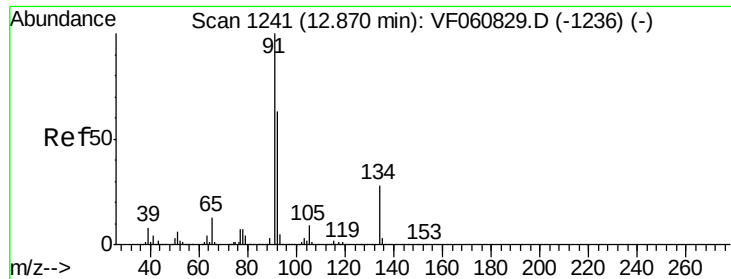
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.0	59.9
148	64.1	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 46.749 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.1	18.9	56.7
148	65.0	32.3	96.9





#89

n-Butylbenzene

Concen: 43.467 ug/l

RT: 12.85 min Scan# 1239

Delta R.T. -0.02 min

Lab File: VF060907.D

Acq: 3 Dec 2018 22:41

Instrument :

MSVOA_F

ClientSampleId :

S49-0483MS

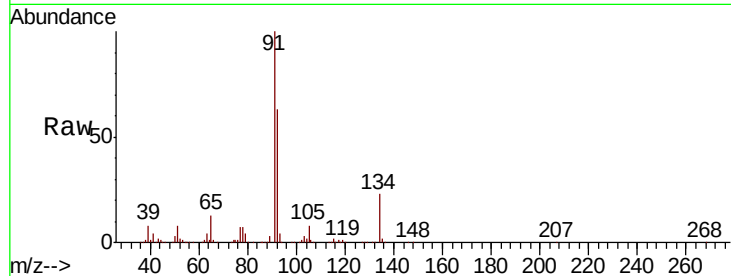
Tot Ion: 91 Resp: 395241

Ion Ratio Lower Upper

91 100

92 62.8 31.6 94.7

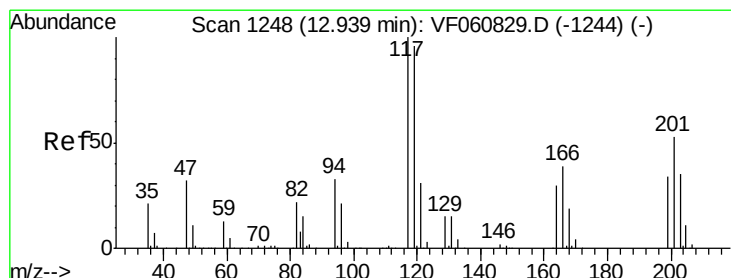
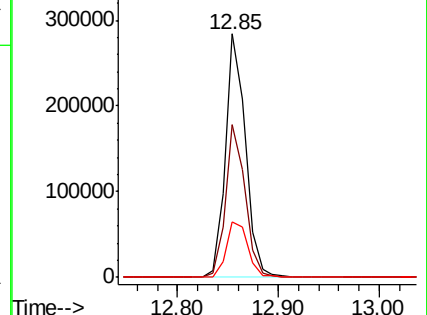
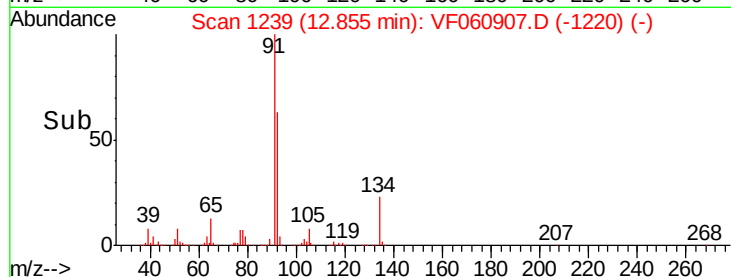
134 22.7 13.8 41.4



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: 46.470 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VF060907.D

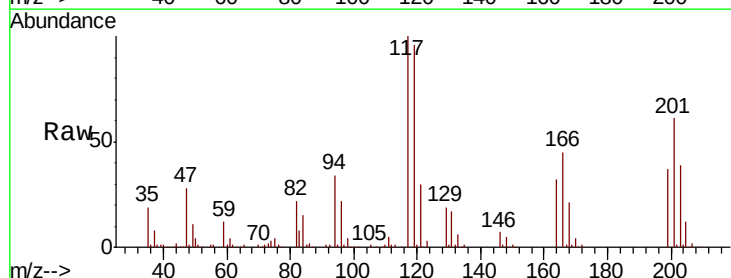
Acq: 3 Dec 2018 22:41

Tgt Ion: 117 Resp: 100628

Ion Ratio Lower Upper

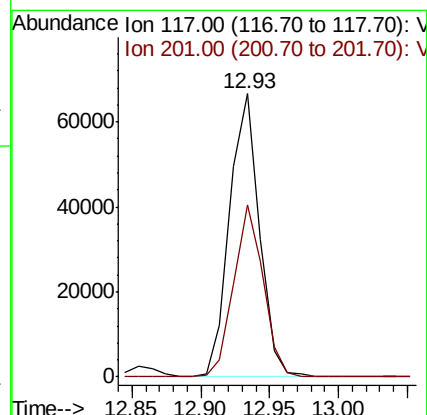
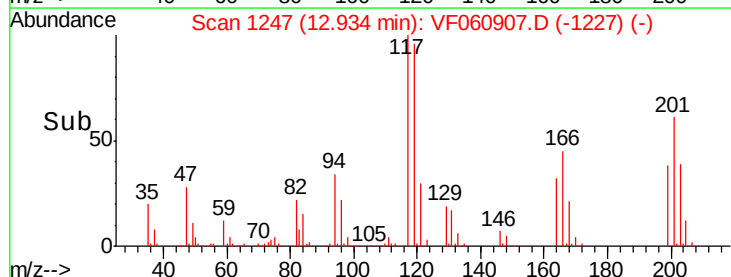
117 100

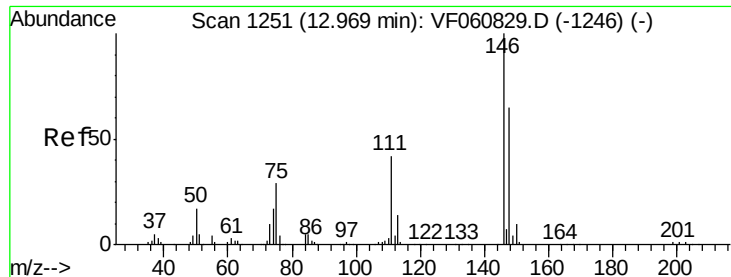
201 62.1 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

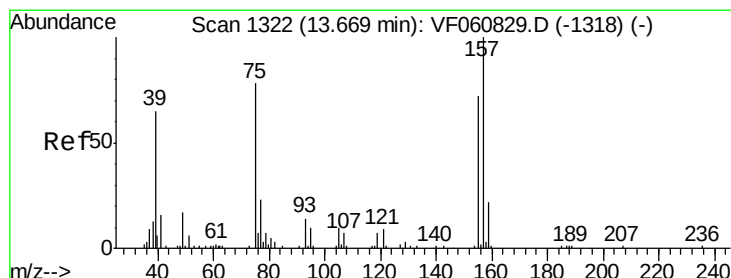
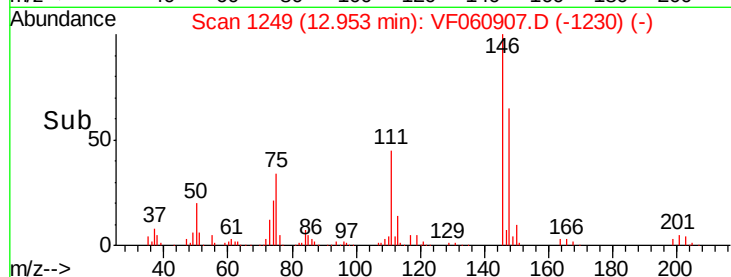
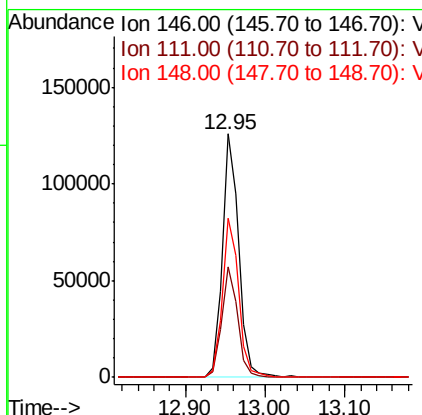
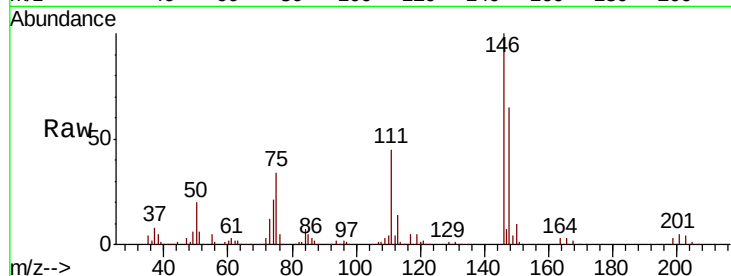




#91
 1,2-Dichlorobenzene
 Concen: 49.159 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

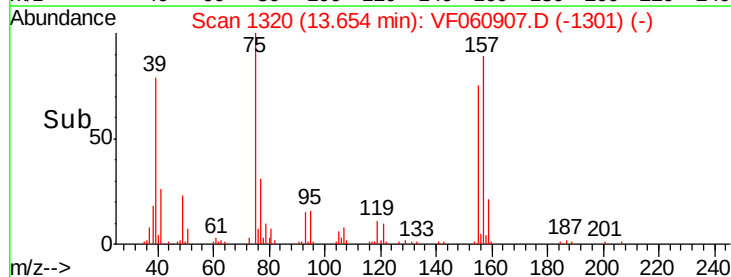
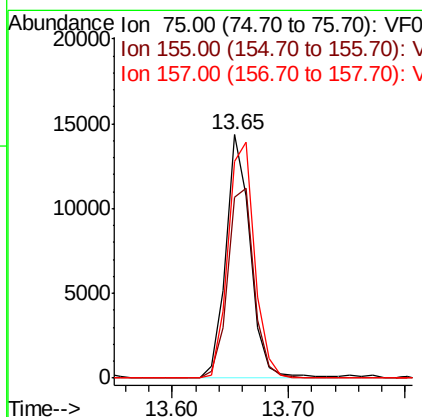
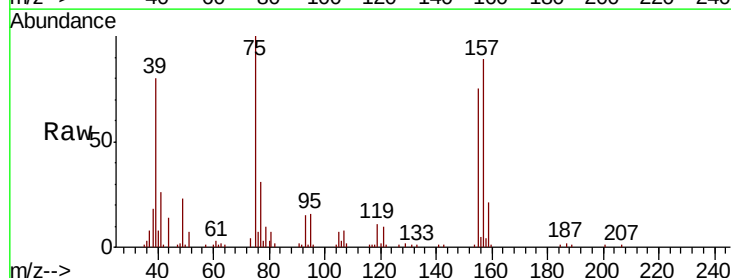
Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

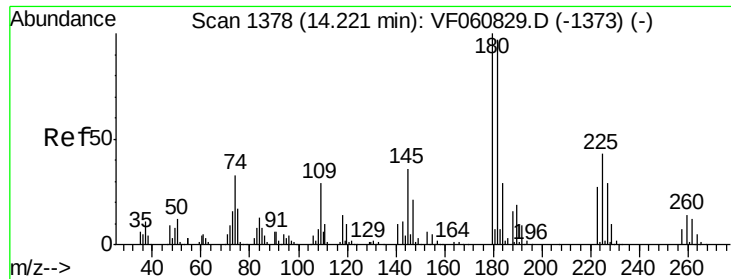
Tot Ion:146 Resp: 183947
 Ion Ratio Lower Upper
 146 100
 111 45.2 21.2 63.6
 148 65.5 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 69.691 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion: 75 Resp: 21011
 Ion Ratio Lower Upper
 75 100
 155 74.5 45.6 136.9
 157 89.2 63.8 191.5

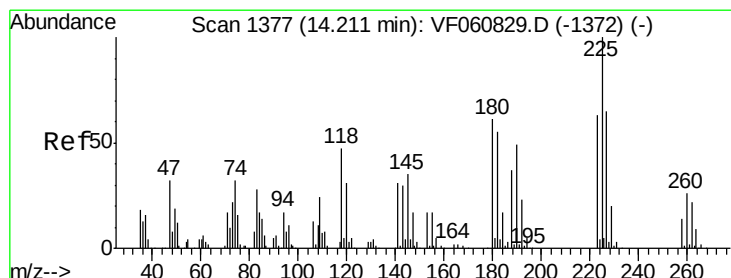
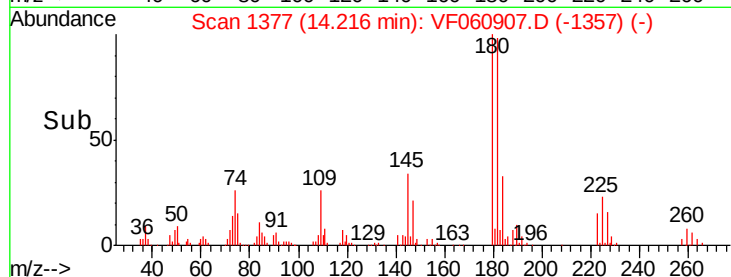
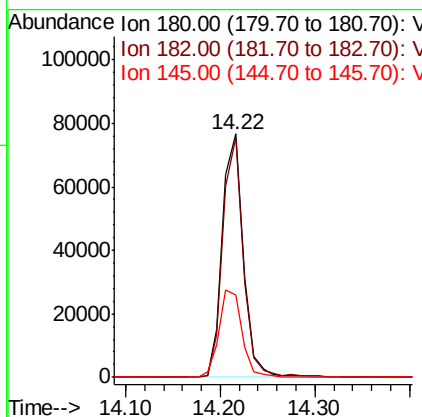
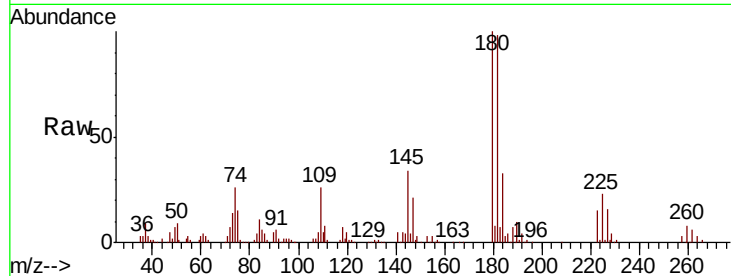




#93
 1,2,4-Trichlorobenzene
 Concen: 45.268 ug/l
 RT: 14.22 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

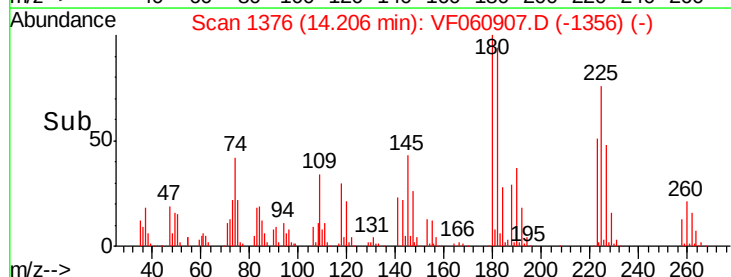
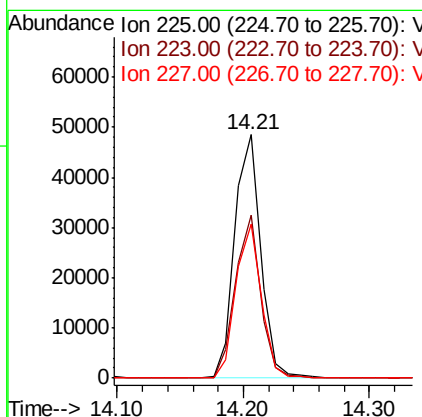
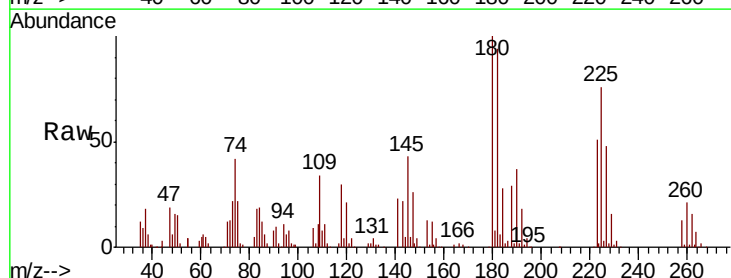
Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483MS

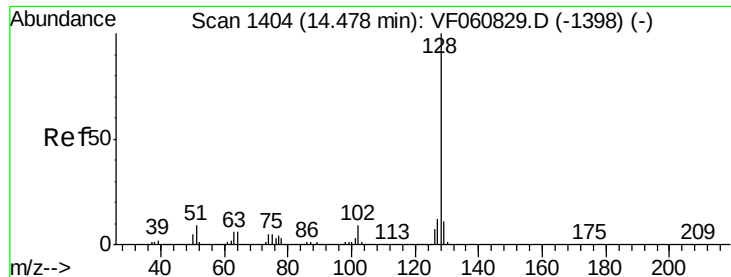
Tot Ion:180 Resp: 118355
 Ion Ratio Lower Upper
 180 100
 182 98.4 48.5 145.5
 145 34.1 18.1 54.3



#94
 Hexachlorobutadiene
 Concen: 39.636 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VF060907.D
 Acq: 3 Dec 2018 22:41

Tgt Ion:225 Resp: 69082
 Ion Ratio Lower Upper
 225 100
 223 66.9 31.4 94.3
 227 63.2 32.5 97.5

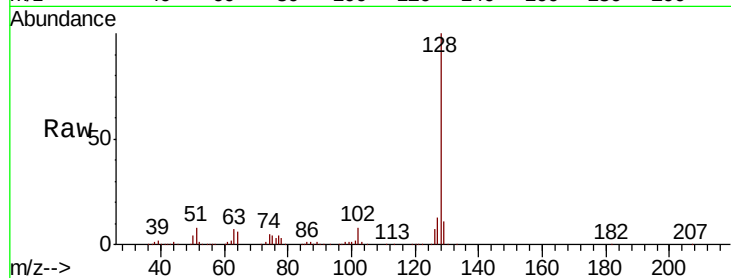




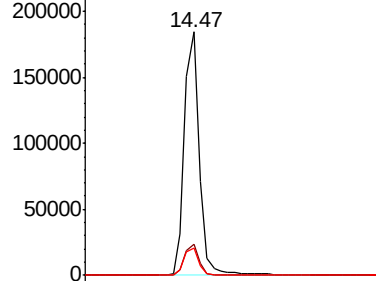
#95
Naphthalene
Concen: 55.556 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. -0.00 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Instrument :
MSVOA_F
ClientSampleId :
S49-0483MS

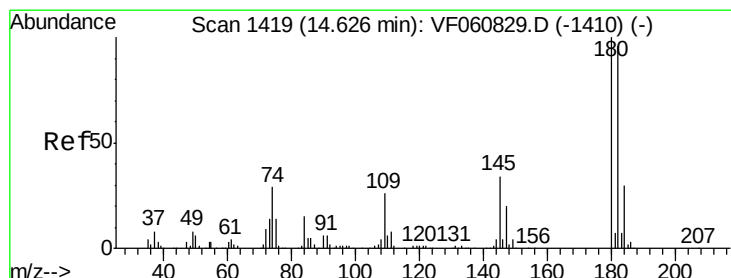
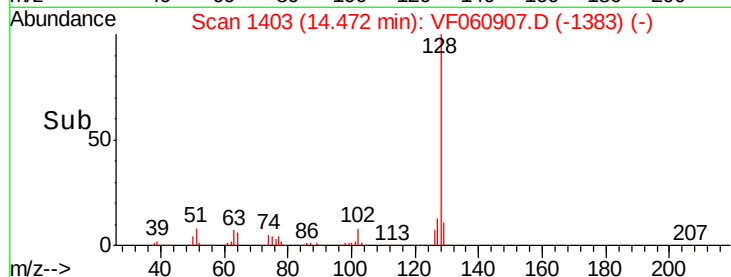
Tot Ion:128 Resp: 279951
Ion Ratio Lower Upper
128 100
127 12.6 9.9 14.9
129 11.0 9.1 13.7



Abundance Ion 128.00 (127.70 to 128.70): V
250000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

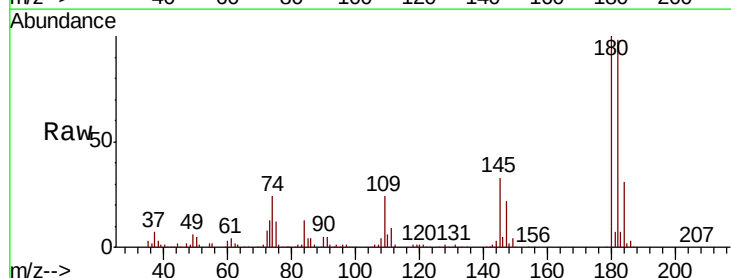


Time-->

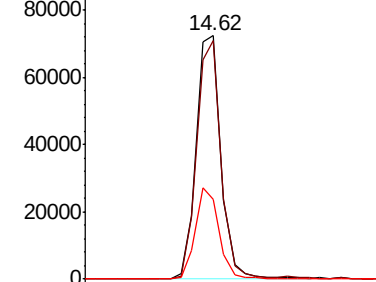


#96
1,2,3-Trichlorobenzene
Concen: 47.915 ug/l
RT: 14.62 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF060907.D
Acq: 3 Dec 2018 22:41

Tgt Ion:180 Resp: 116319
Ion Ratio Lower Upper
180 100
182 97.8 47.9 143.8
145 32.9 17.2 51.5



Abundance Ion 180.00 (179.70 to 180.70): V
100000
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V



Time-->

