

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF120718\
 Data File : VF060947.D
 Acq On : 7 Dec 2018 23:53
 Operator : VA/AP
 Sample : J6265-02MS
 Misc : 5.95µ/5mL/MSVOA-F/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MS

Quant Time: Dec 08 01:59:44 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	4.85	168	2129	50.00	ug/l	-0.06
34) 1,4-Difluorobenzene	5.58	114	2622	50.00	ug/l	-0.06
63) Chlorobenzene-d5	9.76	117	2083	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	747	50.00	ug/l	-0.03

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	457	18.22	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	36.44%	
35) Dibromofluoromethane	4.09	113	882	42.40	ug/l	-0.06
Spiked Amount	50.000		Recovery	=	84.80%	
50) Toluene-d8	7.52	98	3057	49.89	ug/l	-0.07
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.35	95	79	2.84	ug/l	-0.09
Spiked Amount	50.000		Recovery	=	5.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	1838	57.739	ug/l	96
3) Chloromethane	1.04	50	1771	85.497	ug/l	90
4) Vinyl Chloride	1.10	62	1592	82.394	ug/l	96
5) Bromomethane	1.34	94	170	12.478	ug/l #	48
6) Chloroethane	1.37	64	615	73.634	ug/l #	40
7) Trichlorofluoromethane	1.43	101	3948	95.232	ug/l #	70
8) Diethyl Ether	1.67	74	66	11.071	ug/l	48
9) 1,1,2-Trichlorotrifluoroet	1.78	101	1901	90.704	ug/l #	73
10) Methyl Iodide	1.83	142	1679	52.705	ug/l #	74
11) Tert butyl alcohol	2.64	59	65	63.223	ug/l #	1
12) 1,1-Dichloroethene	1.74	96	1391	82.515	ug/l #	52
13) Acrolein	1.98	56	168	172.468	ug/l	99
14) Allyl chloride	2.23	41	189	8.995	ug/l	91
15) Acrylonitrile	2.93	53	1046	453.811	ug/l #	33
16) Acetone	2.17	43	313	67.676	ug/l	93
17) Carbon Disulfide	1.75	76	3946	87.302	ug/l #	91
18) Methyl Acetate	2.34	43	492	63.867	ug/l #	61
19) Methyl tert-butyl Ether	2.41	73	516	13.590	ug/l #	58
20) Methylene Chloride	2.17	84	688	40.549	ug/l	83
21) trans-1,2-Dichloroethene	2.30	96	1221	75.129	ug/l	82
22) Diisopropyl ether	2.78	45	1470	25.702	ug/l #	23
23) Vinyl Acetate	3.17	43	1812	69.310	ug/l #	80
24) 1,1-Dichloroethane	2.85	63	1758	51.664	ug/l #	66
25) 2-Butanone	4.32	43	235	29.377	ug/l #	57
26) 2,2-Dichloropropane	3.57	77	2882	130.641	ug/l	96
27) cis-1,2-Dichloroethene	3.45	96	1036	39.156	ug/l	76
28) Bromochloromethane	3.71	49	480	29.393	ug/l	92
29) Tetrahydrofuran	4.06	42	498	146.864	ug/l #	37
30) Chloroform	3.84	83	1454	27.764	ug/l	89
31) Cyclohexane	3.67	56	3413	96.646	ug/l #	61
32) 1,1,1-Trichloroethane	4.07	97	2743	75.523	ug/l #	80
36) 1,1-Dichloropropene	4.26	75	2171	74.650	ug/l #	81
37) Ethyl Acetate	4.15	43	551	46.623	ug/l #	14
38) Carbon Tetrachloride	3.96	117	2527	98.377	ug/l	92

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.42	83	2799	91.838	ug/l	88
40) Benzene	4.60	78	3407	53.028	ug/l #	71
41) Methacrylonitrile	4.75	41	614	104.579	ug/l #	45
42) 1,2-Dichloroethane	4.92	62	643	27.413	ug/l	76
43) Isopropyl Acetate	6.91	43	319	20.259	ug/l #	49
44) Trichloroethene	5.48	130	1241	59.075	ug/l	86
45) 1,2-Dichloropropane	6.22	63	609	36.497	ug/l #	46
46) Dibromomethane	6.08	93	67	5.919	ug/l #	22
47) Bromodichloromethane	6.36	83	931	30.967	ug/l #	80
48) Methyl methacrylate	6.69	41	258	24.117	ug/l #	18
49) 1,4-Dioxane	6.61	88	63	804.674	ug/l #	1
51) 4-Methyl-2-Pentanone	8.22	43	227	20.829	ug/l #	38
52) Toluene	7.61	92	2463	54.576	ug/l #	70
53) t-1,3-Dichloropropene	8.27	75	747	30.546	ug/l #	40
54) cis-1,3-Dichloropropene	7.30	75	711	23.485	ug/l #	83
55) 1,1,2-Trichloroethane	8.40	97	78	5.932	ug/l #	15
56) Ethyl methacrylate	8.52	69	66	4.518	ug/l #	11
57) 1,3-Dichloropropane	8.84	76	638	27.731	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.17	63	79	52.871	ug/l #	46
59) 2-Hexanone	9.41	43	357	46.692	ug/l #	27
60) Dibromochloromethane	8.69	129	471	24.039	ug/l	78
61) 1,2-Dibromoethane	8.95	107	224	15.768	ug/l #	4
64) Tetrachloroethene	8.13	164	1037	65.179	ug/l #	83
65) Chlorobenzene	9.78	112	1755	43.309	ug/l #	83
66) 1,1,1,2-Tetrachloroethane	9.91	131	374	21.469	ug/l	84
67) Ethyl Benzene	9.89	91	5425	71.911	ug/l	95
68) m/p-Xylenes	10.11	106	3127	115.248	ug/l	80
69) o-Xylene	10.70	106	1164	38.904	ug/l	70
70) Styrene	10.78	104	1207	29.102	ug/l #	63
71) Bromoform	10.76	173	75	8.913	ug/l #	60
73) Isopropylbenzene	11.10	105	5966	101.064	ug/l	91
74) N-amyl acetate	11.40	43	771	56.561	ug/l #	15
75) 1,1,2,2-Tetrachloroethane	11.75	83	324	33.349	ug/l #	25
76) 1,2,3-Trichloropropane	11.86	75	100	14.161	ug/l #	38
77) Bromobenzene	11.48	156	724	55.942	ug/l	77
78) n-propylbenzene	11.58	91	5882	85.085	ug/l	93
79) 2-Chlorotoluene	11.71	91	3081	77.727	ug/l	99
80) 1,3,5-Trimethylbenzene	11.81	105	2600	54.254	ug/l	81
81) trans-1,4-Dichloro-2-buten	11.89	75	89	25.723	ug/l #	1
82) 4-Chlorotoluene	11.88	91	1951	46.770	ug/l	92
83) tert-Butylbenzene	12.12	119	3783	77.495	ug/l	93
84) 1,2,4-Trimethylbenzene	12.20	105	1741	36.401	ug/l	75
85) sec-Butylbenzene	12.30	105	5138	76.886	ug/l	94
86) p-Isopropyltoluene	12.45	119	2957	52.779	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	990	40.215	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	990	41.266	ug/l	97
89) n-Butylbenzene	12.84	91	1636	28.878	ug/l	88
90) Hexachloroethane	12.90	117	801	59.372	ug/l	80
91) 1,2-Dichlorobenzene	12.93	146	515	22.091	ug/l #	58
94) Hexachlorobutadiene	14.17	225	440	40.520	ug/l #	34

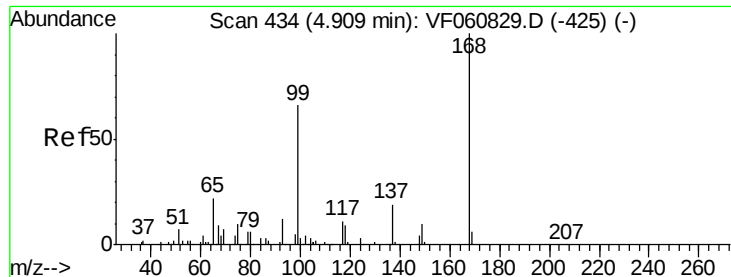
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

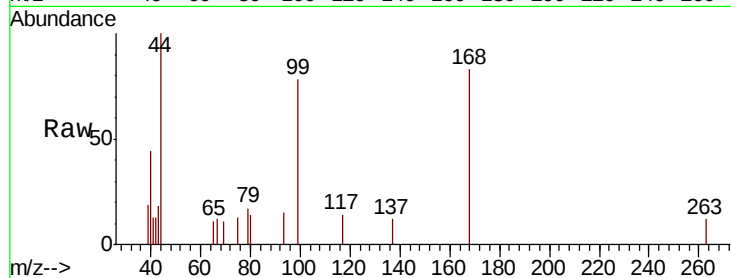
S32-0632MS

Tot Ion:168 Resp: 2129

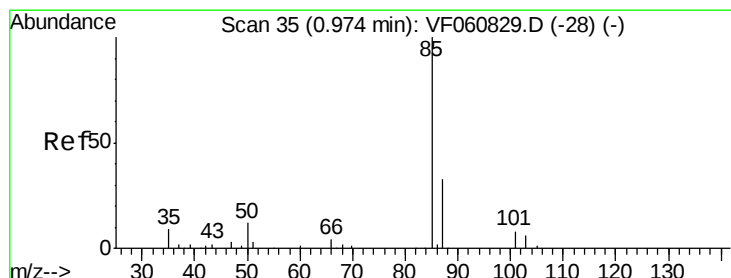
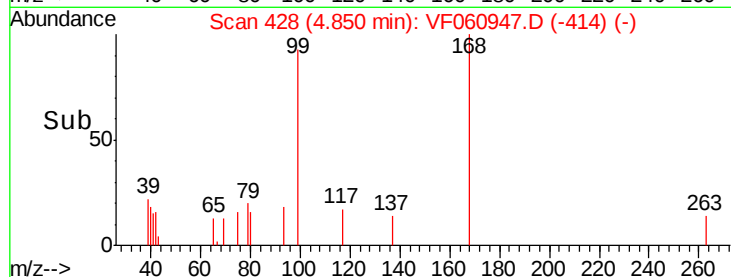
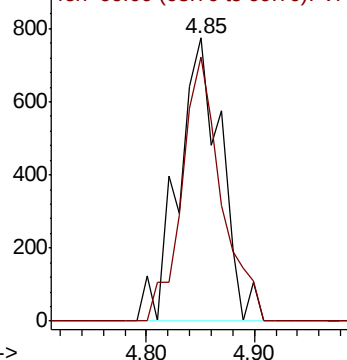
Ion Ratio Lower Upper

168 100

99 93.3 52.6 79.0#



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 57.739 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060947.D

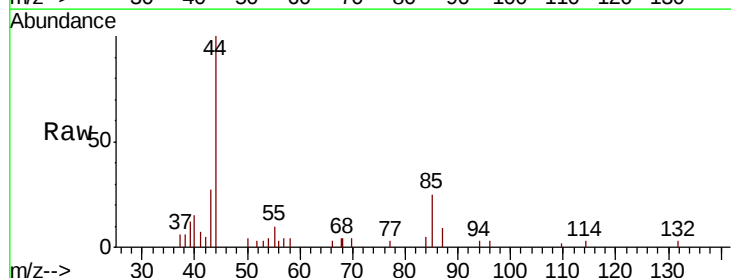
Acq: 7 Dec 2018 23:53

Tgt Ion: 85 Resp: 1838

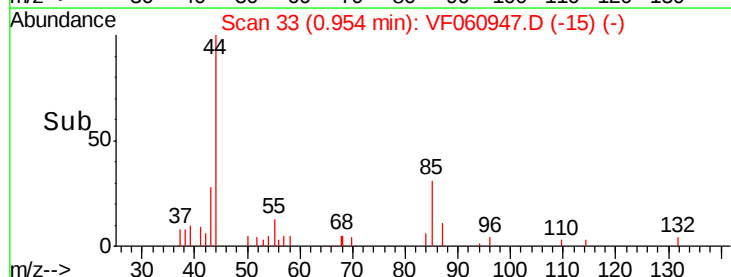
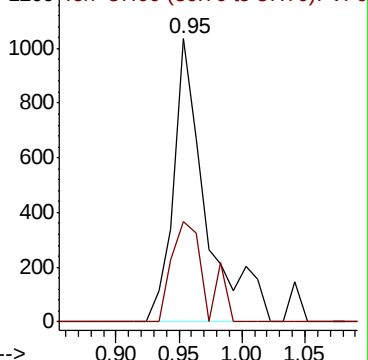
Ion Ratio Lower Upper

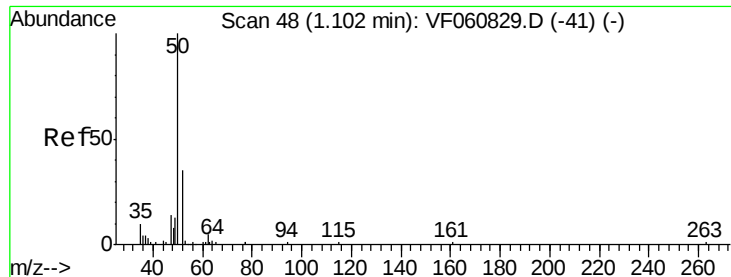
85 100

87 35.4 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 85.497 ug/l

RT: 1.04 min Scan# 42

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

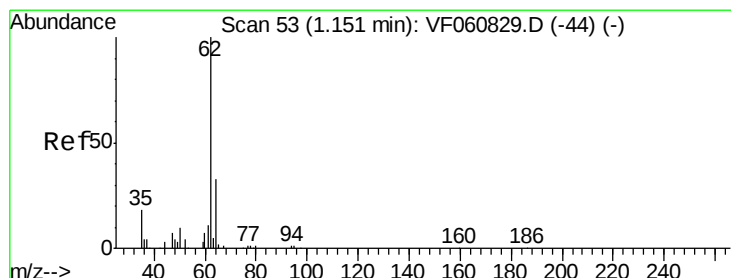
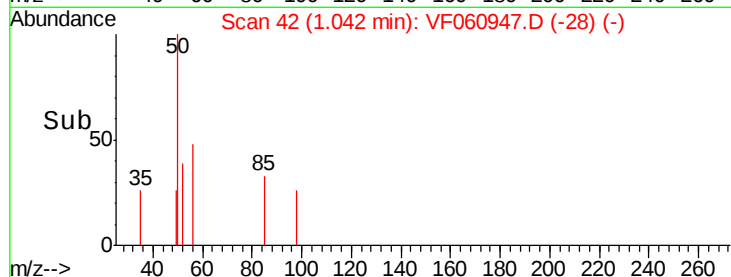
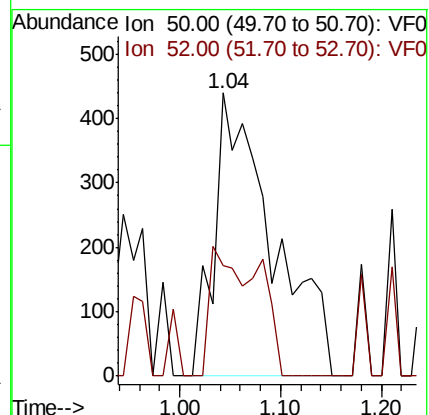
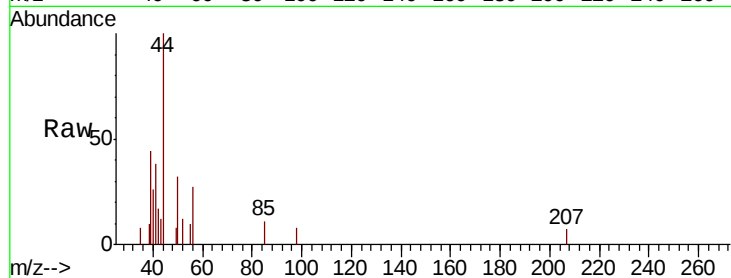
S32-0632MS

Tot Ion: 50 Resp: 1771

Ion Ratio Lower Upper

50 100

52 39.2 27.0 40.4



#4

Vinyl Chloride

Concen: 82.394 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.05 min

Lab File: VF060947.D

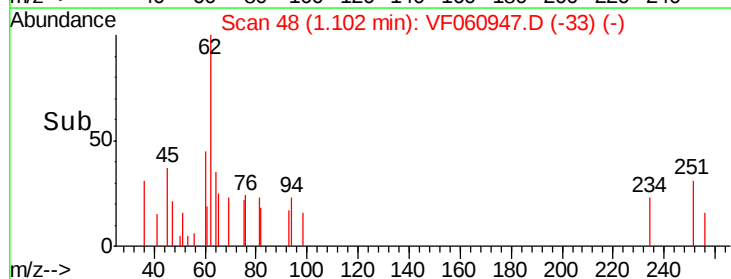
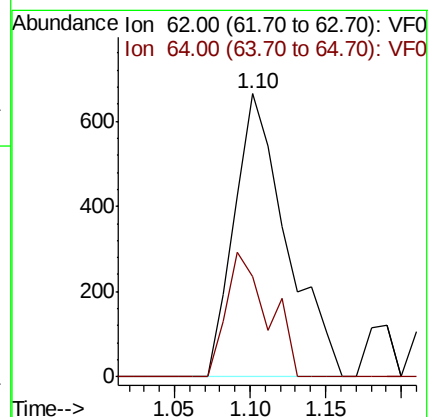
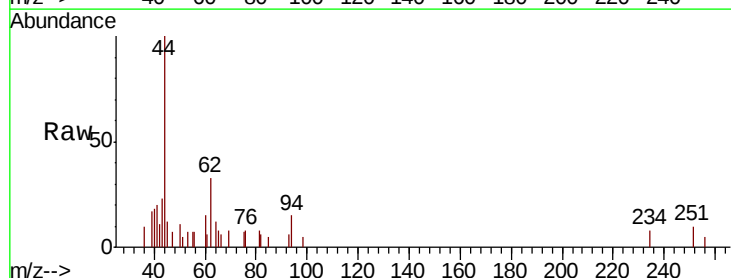
Acq: 7 Dec 2018 23:53

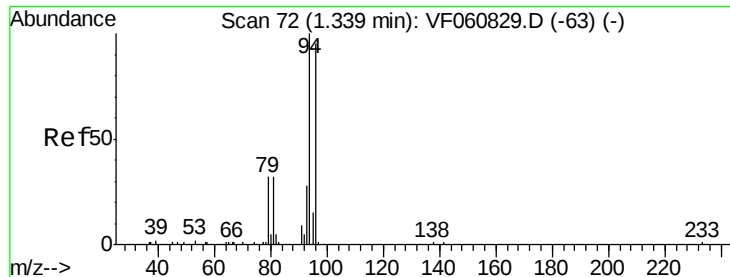
Tgt Ion: 62 Resp: 1592

Ion Ratio Lower Upper

62 100

64 35.4 26.4 39.6





#5

Bromomethane

Concen: 12.478 ug/l

RT: 1.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

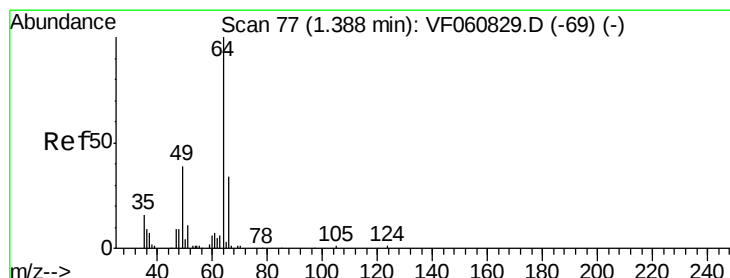
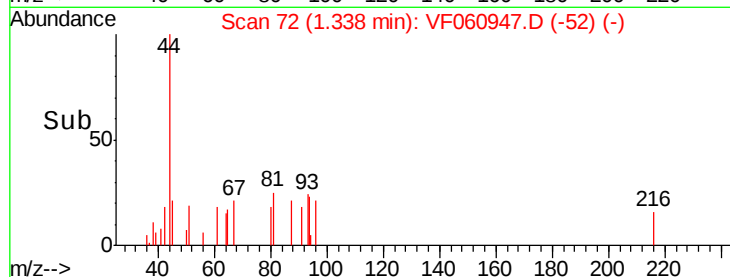
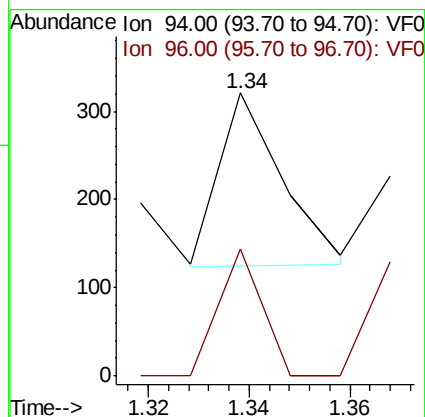
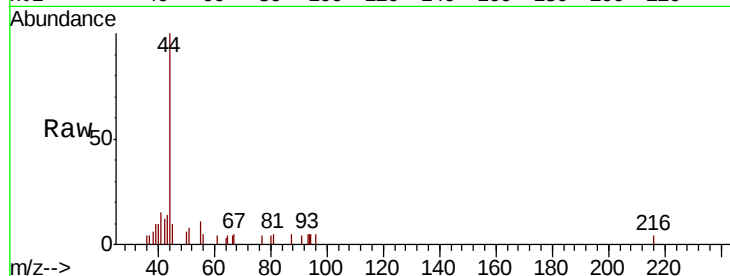
S32-0632MS

Tot Ion: 94 Resp: 170

Ion Ratio Lower Upper

94 100

96 44.9 75.9 113.9#



#6

Chloroethane

Concen: 73.634 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.02 min

Lab File: VF060947.D

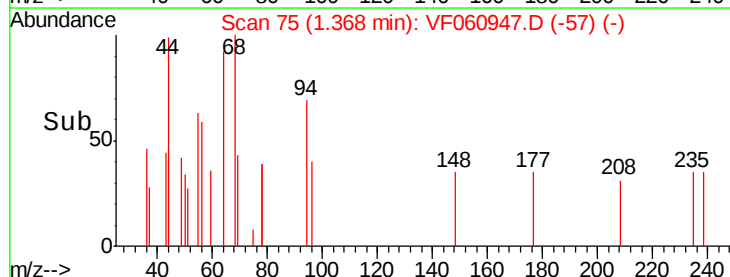
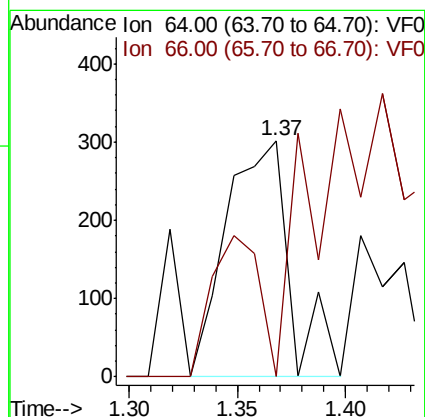
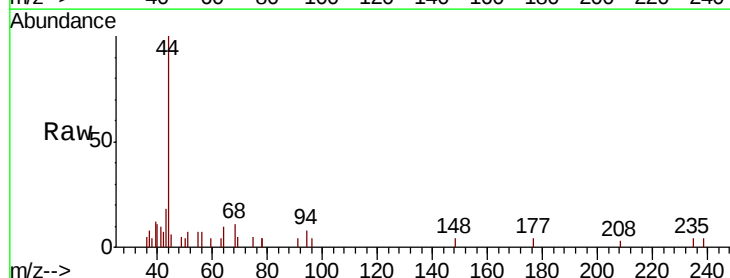
Acq: 7 Dec 2018 23:53

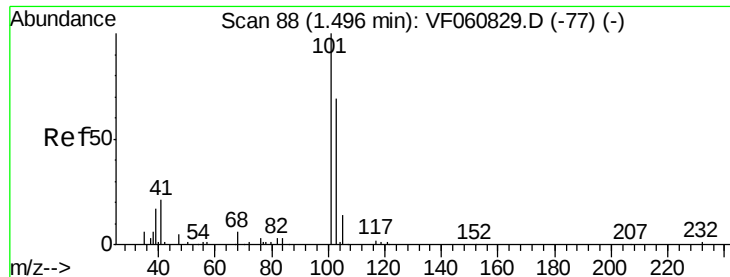
Tgt Ion: 64 Resp: 615

Ion Ratio Lower Upper

64 100

66 0.0 28.1 42.1#



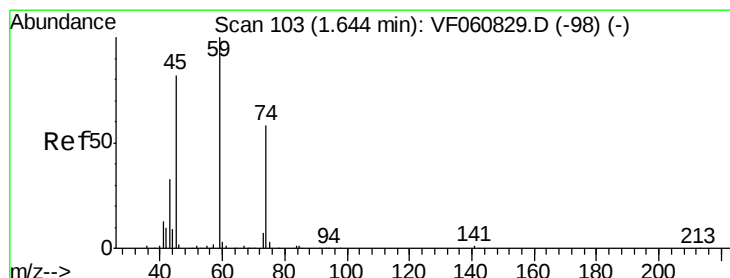
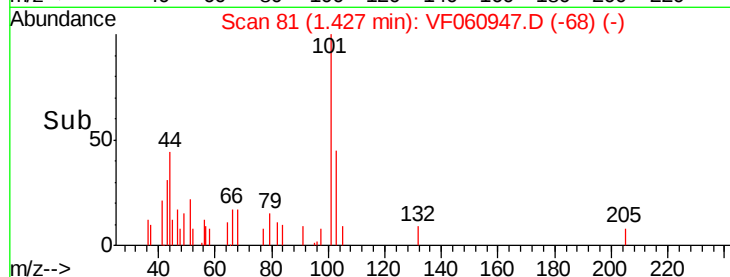
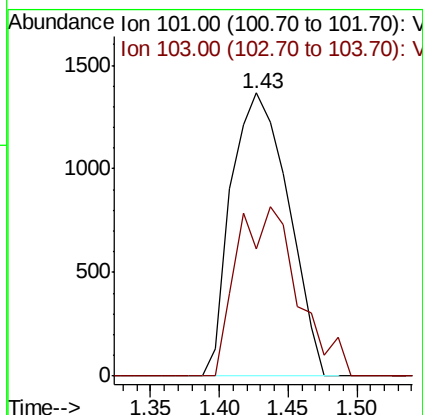
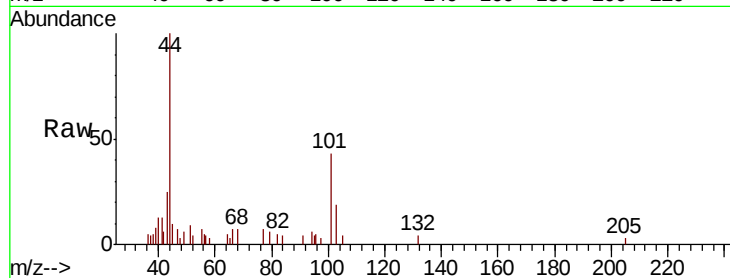


#7

Trichlorofluoromethane
Concen: 95.232 ug/l
RT: 1.43 min Scan# 81
Delta R.T. -0.07 min
Lab File: VF060947.D
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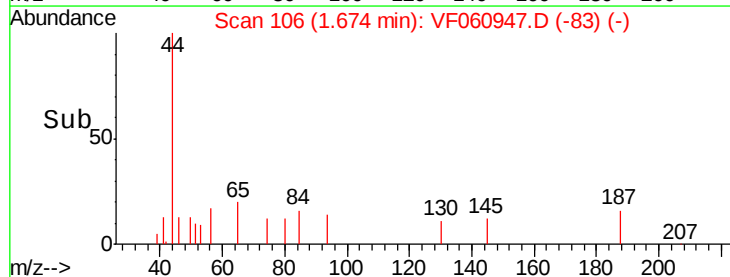
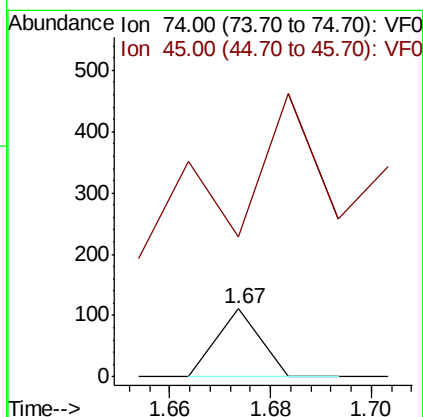
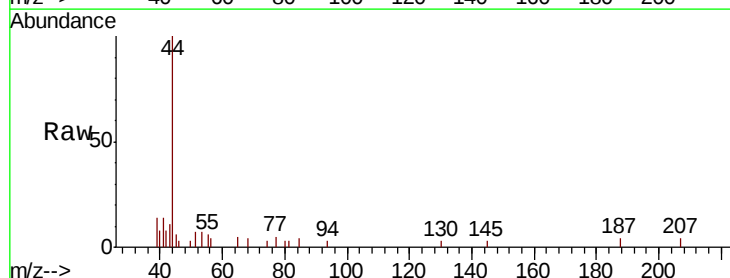
Tot Ion:101 Resp: 3948
Ion Ratio Lower Upper
101 100
103 44.7 55.4 83.0#

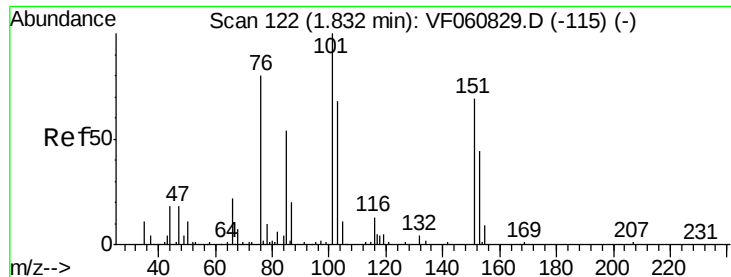


#8

Diethyl Ether
Concen: 11.071 ug/l
RT: 1.67 min Scan# 106
Delta R.T. 0.03 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 74 Resp: 66
Ion Ratio Lower Upper
74 100
45 206.3 71.0 212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.704 ug/l

RT: 1.78 min Scan# 117

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

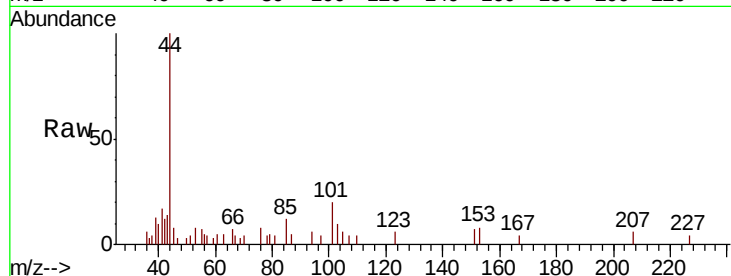
Tot Ion:101 Resp: 1901

Ion Ratio Lower Upper

101 100

85 59.4 42.8 64.2

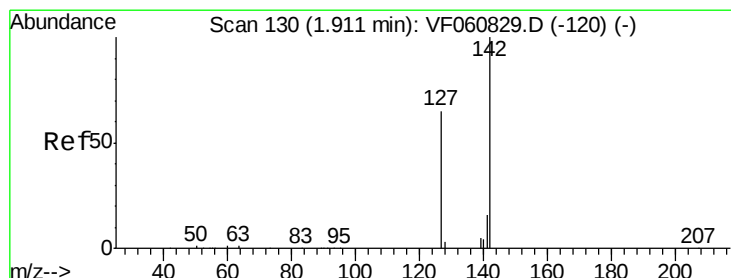
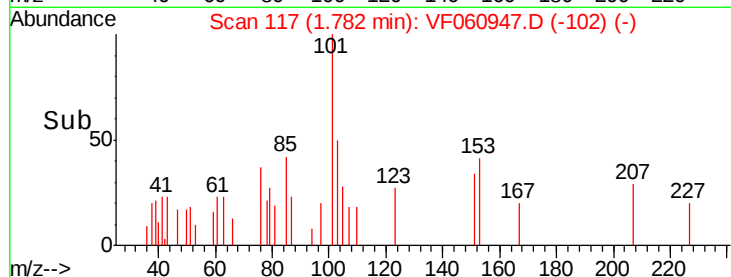
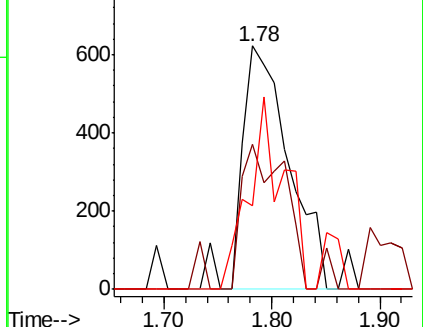
151 34.2 54.4 81.6#



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: 52.705 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.08 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

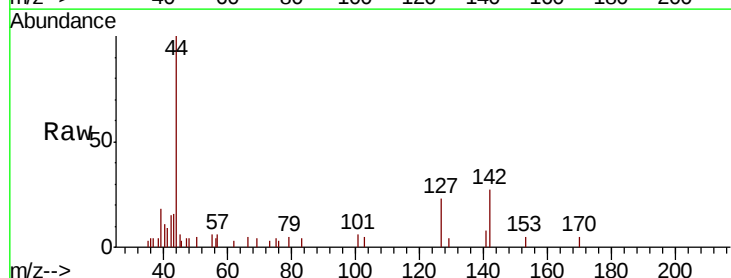
Tgt Ion:142 Resp: 1679

Ion Ratio Lower Upper

142 100

127 83.4 51.9 77.9#

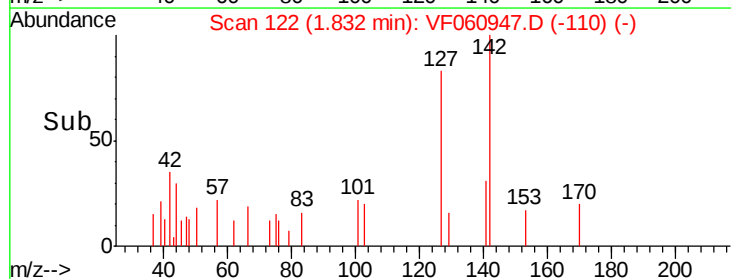
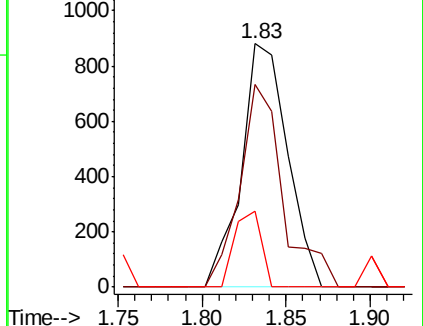
141 31.1 12.7 19.1#

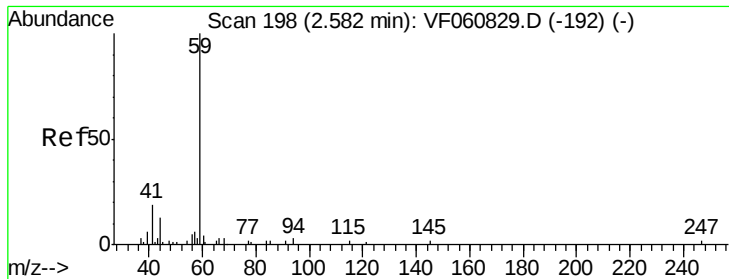


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

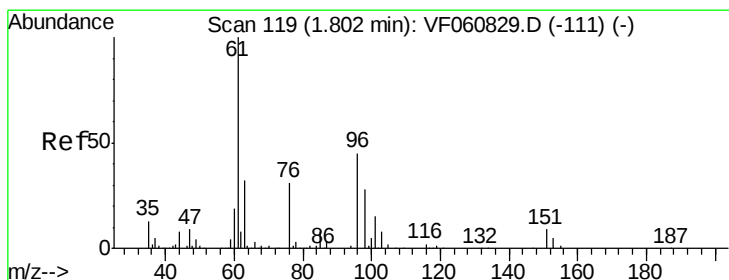
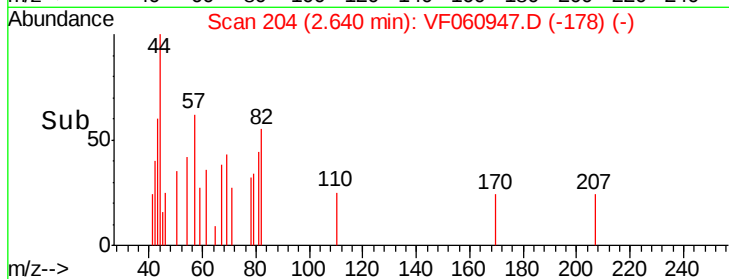
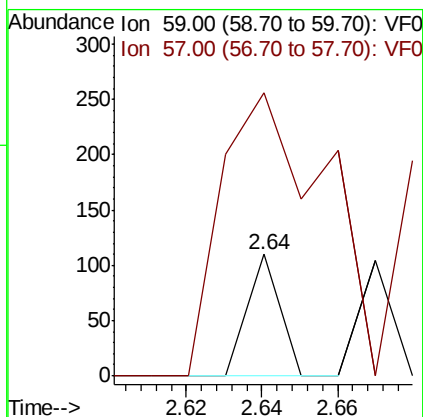
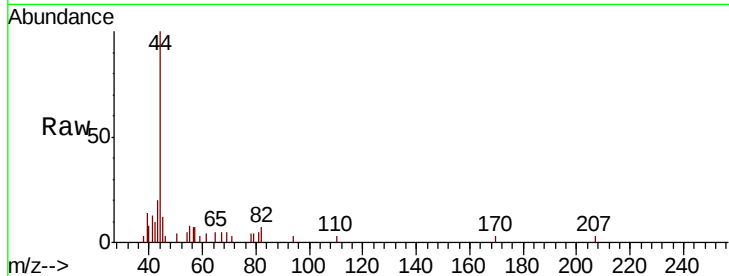




#11
Tert butyl alcohol
Concen: 63.223 ug/l
RT: 2.64 min Scan# 204
Delta R.T. 0.06 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

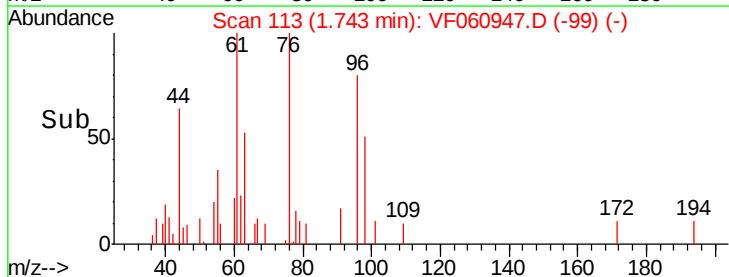
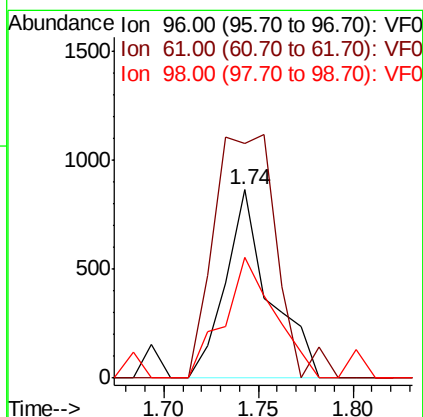
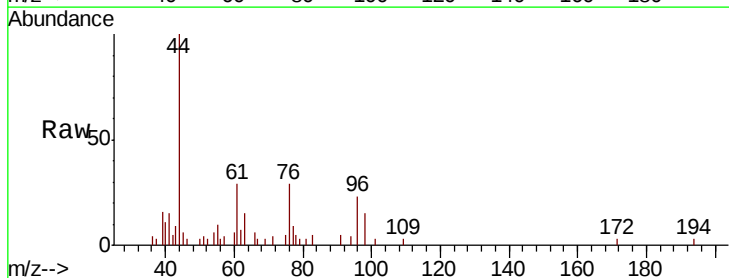
Instrument :
MSVOA_F
ClientSampleID :
S32-0632MS

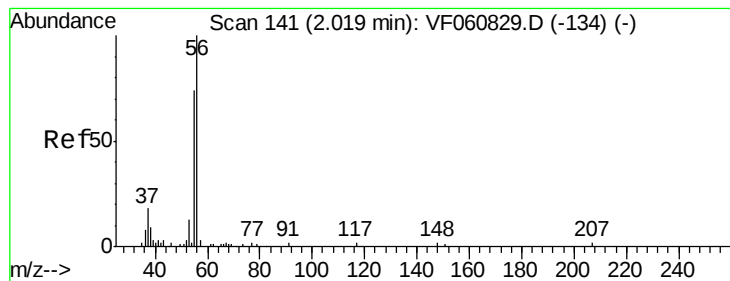
Tot Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 232.7 12.7 19.1#



#12
1,1-Dichloroethene
Concen: 82.515 ug/l
RT: 1.74 min Scan# 113
Delta R.T. -0.06 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 96 Resp: 1391
Ion Ratio Lower Upper
96 100
61 124.5 177.3 265.9#
98 64.0 49.6 74.4





#13

Acrolein

Concen: 172.468 ug/l

RT: 1.98 min Scan# 137

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

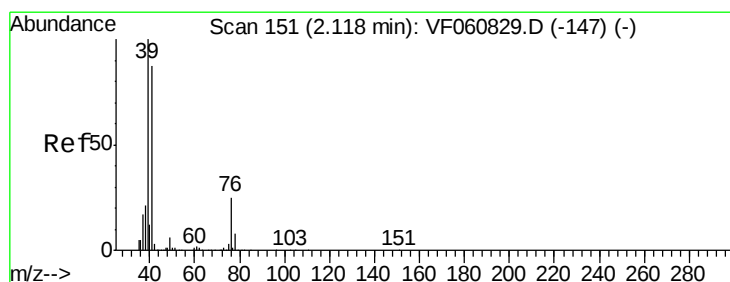
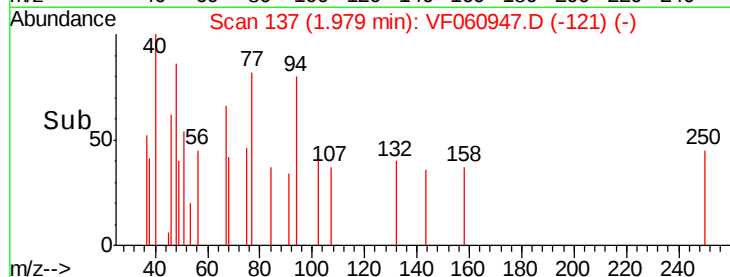
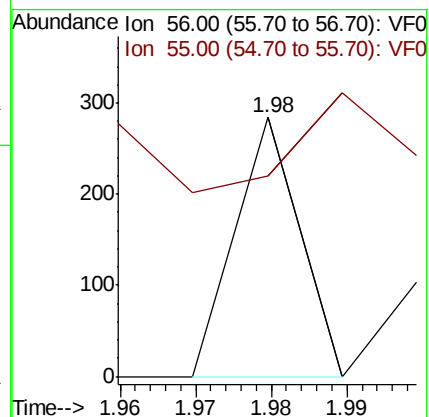
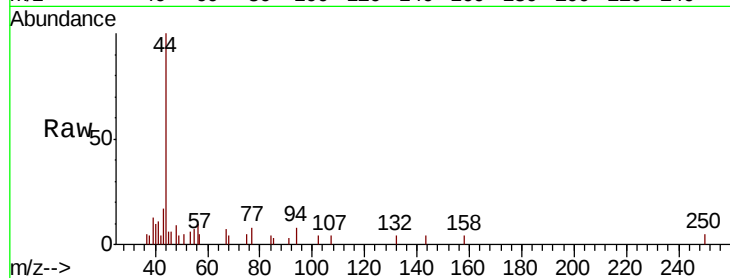
S32-0632MS

Tot Ion: 56 Resp: 168

Ion Ratio Lower Upper

56 100

55 77.5 61.2 91.8



#14

Allyl chloride

Concen: 8.995 ug/l

RT: 2.23 min Scan# 162

Delta R.T. 0.11 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

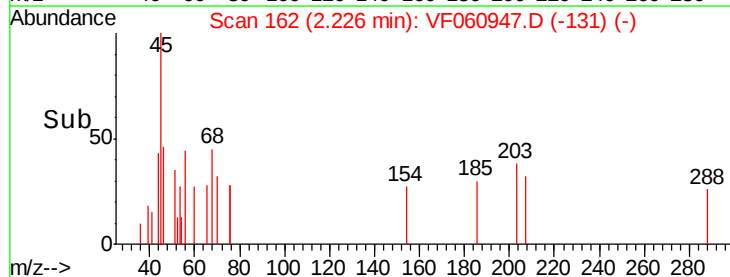
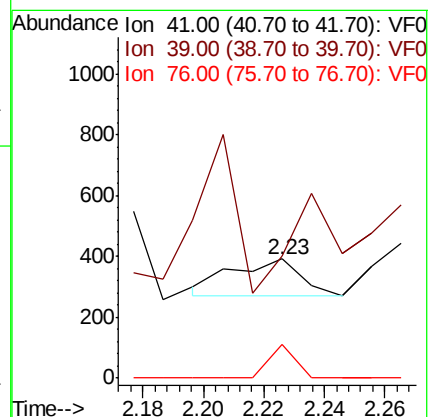
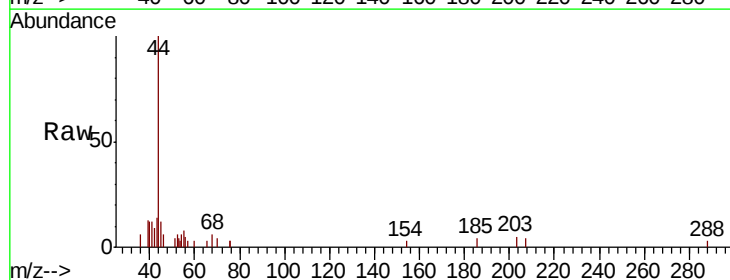
Tgt Ion: 41 Resp: 189

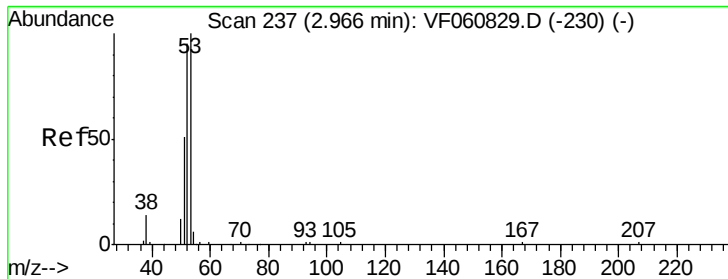
Ion Ratio Lower Upper

41 100

39 102.8 91.7 137.5

76 28.6 23.5 35.3





#15

Acrylonitrile

Concen: 453.811 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

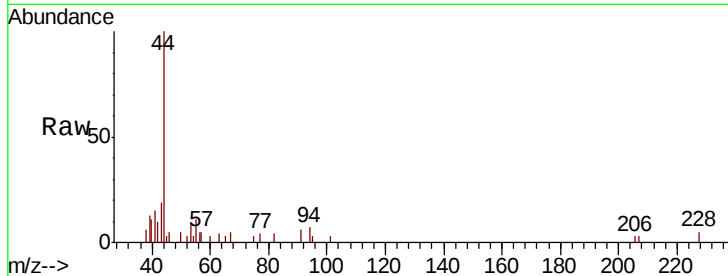
Tot Ion: 53 Resp: 1046

Ion Ratio Lower Upper

53 100

52 32.9 76.5 114.7#

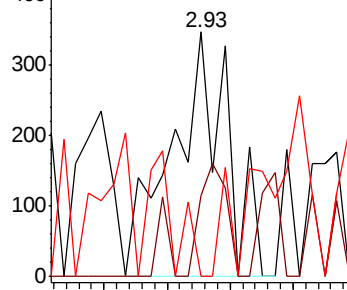
51 0.0 40.7 61.1#



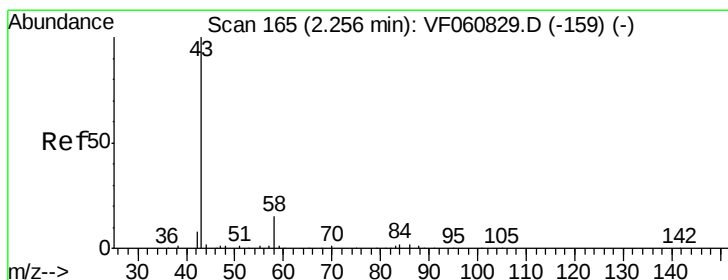
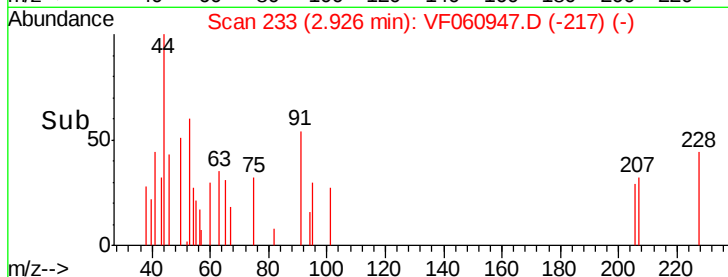
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 67.676 ug/l

RT: 2.17 min Scan# 156

Delta R.T. -0.09 min

Lab File: VF060947.D

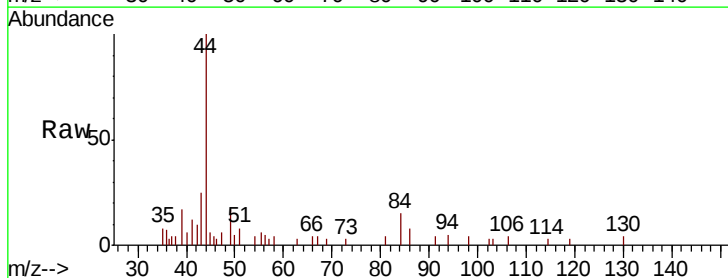
Acq: 7 Dec 2018 23:53

Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

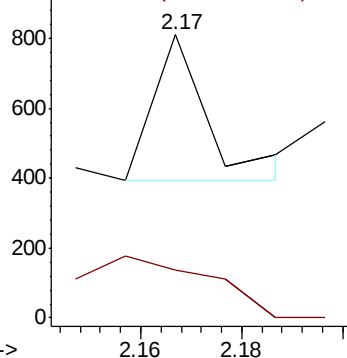
43 100

58 17.0 11.4 17.2

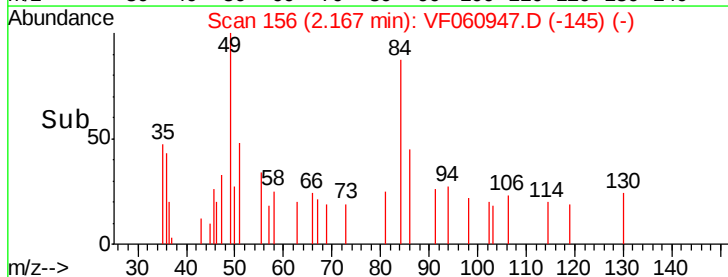


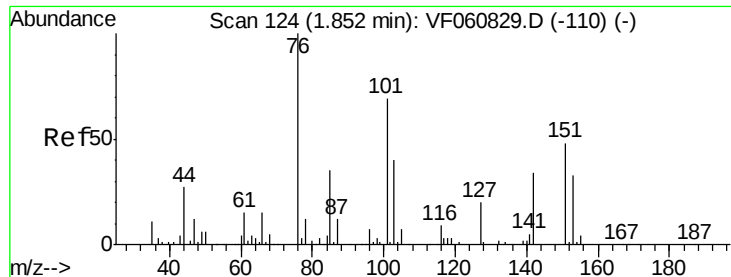
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



Time-->





#17

Carbon Disulfide

Concen: 87.302 ug/l

RT: 1.75 min Scan# 114

Delta R.T. -0.10 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

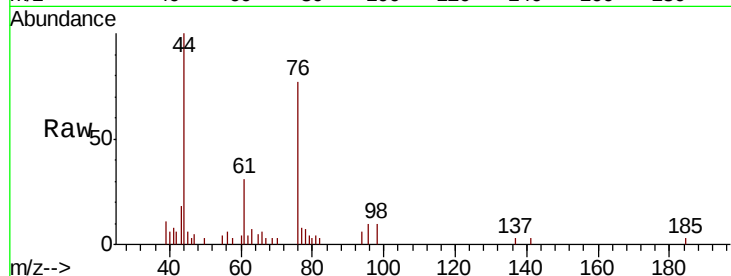
S32-0632MS

Tot Ion: 76 Resp: 3946

Ion Ratio Lower Upper

76 100

78 9.1 10.2 15.2#



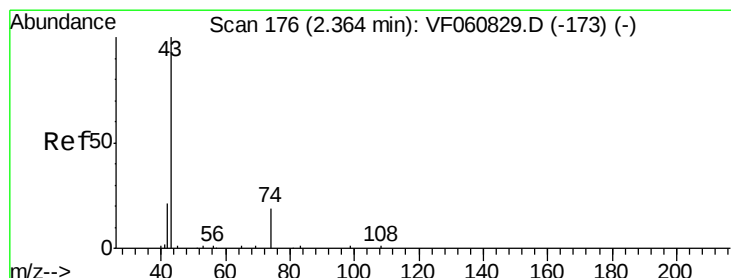
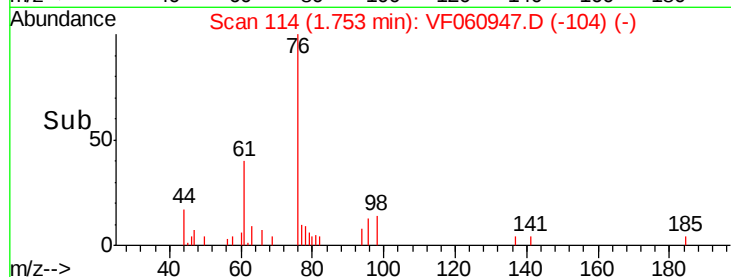
Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

Time-->

1.75

1.70 1.75 1.80 1.85



#18

Methyl Acetate

Concen: 63.867 ug/l

RT: 2.34 min Scan# 174

Delta R.T. -0.02 min

Lab File: VF060947.D

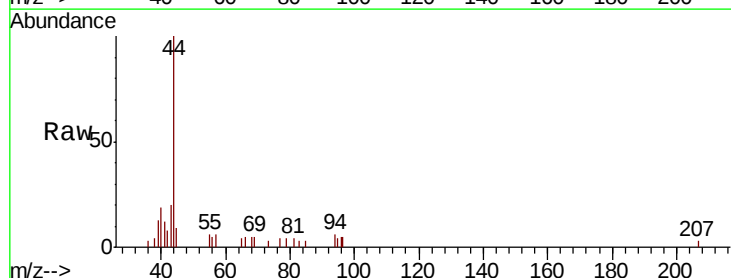
Acq: 7 Dec 2018 23:53

Tgt Ion: 43 Resp: 492

Ion Ratio Lower Upper

43 100

74 0.0 13.3 19.9#

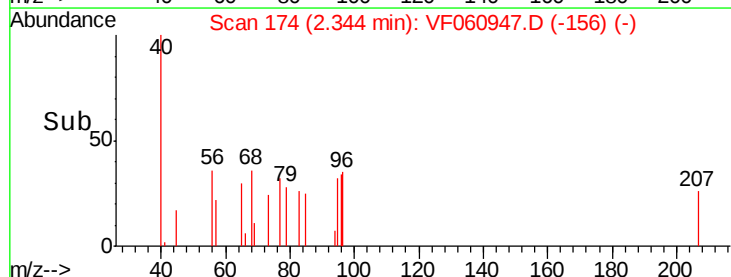


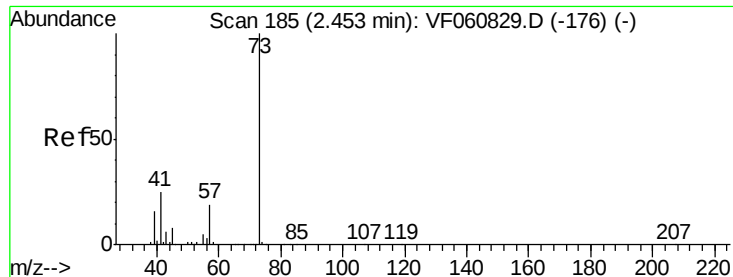
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

Time-->

2.30 2.32 2.34 2.36 2.38

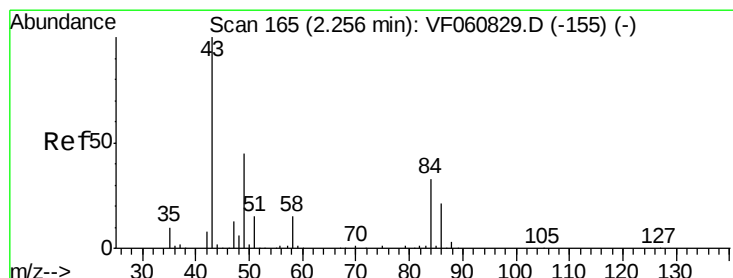
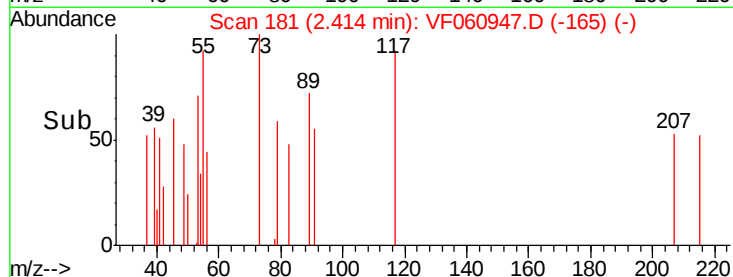
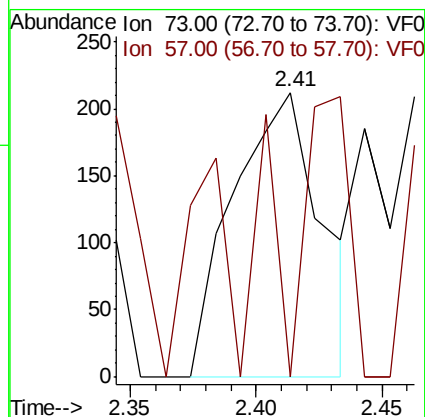
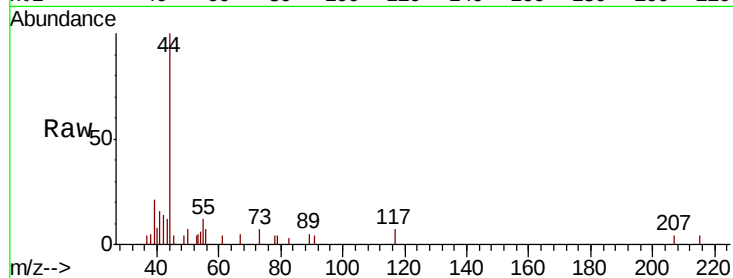




#19
Methyl tert-butyl Ether
Concen: 13.590 ug/l
RT: 2.41 min Scan# 181
Delta R.T. -0.04 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

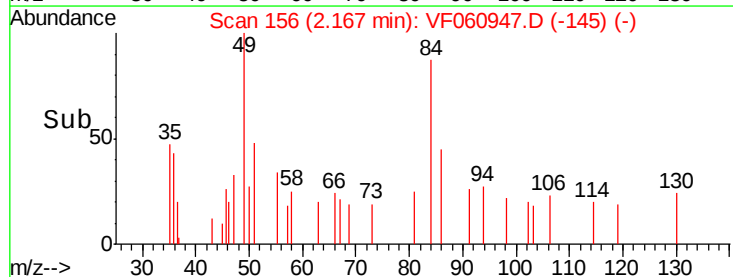
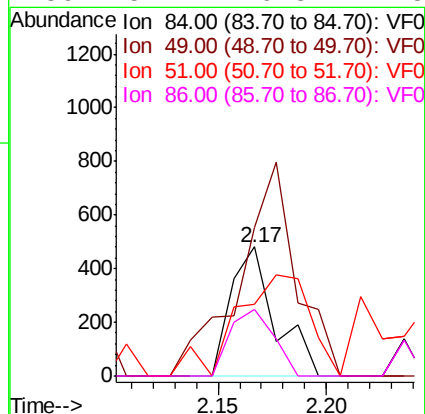
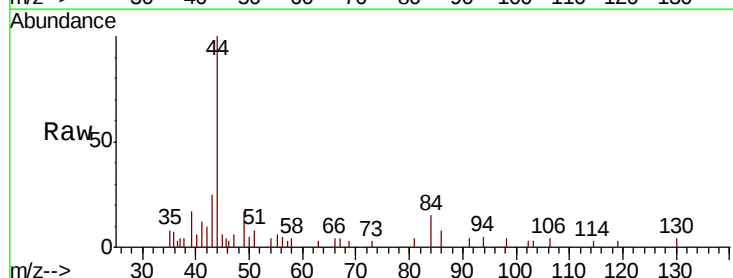
Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

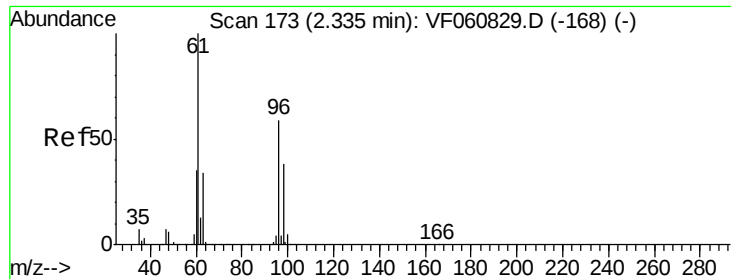
Tot Ion: 73 Resp: 516
Ion Ratio Lower Upper
73 100
57 0.0 15.3 22.9#



#20
Methylene Chloride
Concen: 40.549 ug/l
RT: 2.17 min Scan# 156
Delta R.T. -0.09 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 84 Resp: 688
Ion Ratio Lower Upper
84 100
49 115.4 111.3 166.9
51 55.4 38.0 57.0
86 51.7 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 75.129 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

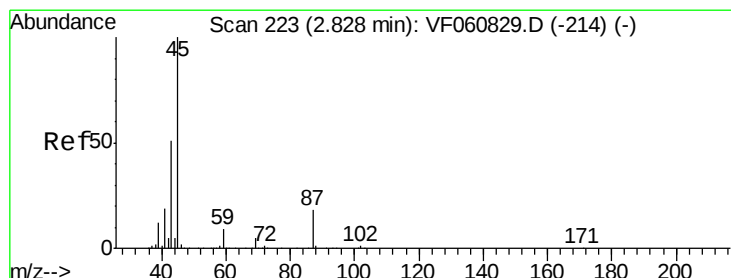
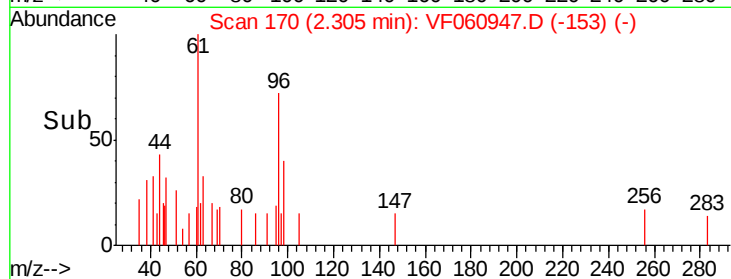
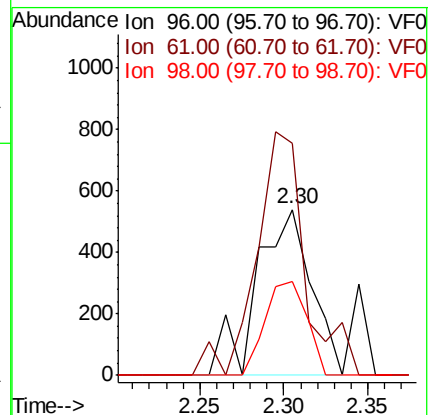
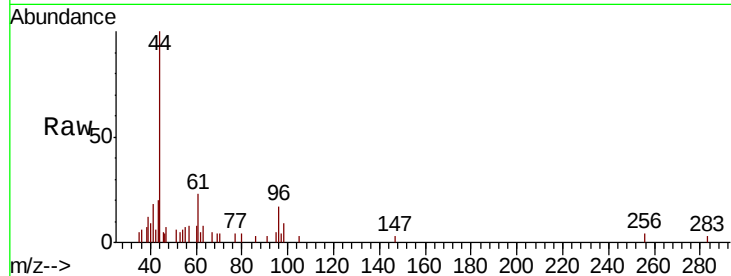
Tot Ion: 96 Resp: 1221

Ion Ratio Lower Upper

96 100

61 139.4 134.5 201.7

98 56.4 51.6 77.4



#22

Diisopropyl ether

Concen: 25.702 ug/l

RT: 2.78 min Scan# 218

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Tgt Ion: 45 Resp: 1470

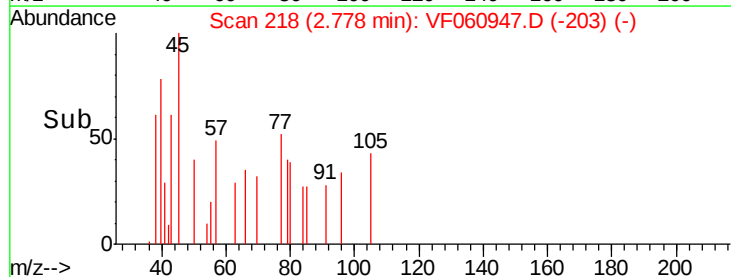
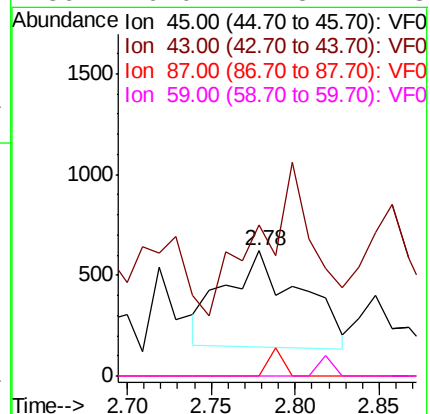
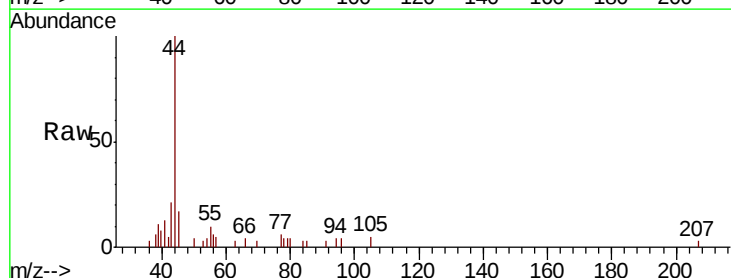
Ion Ratio Lower Upper

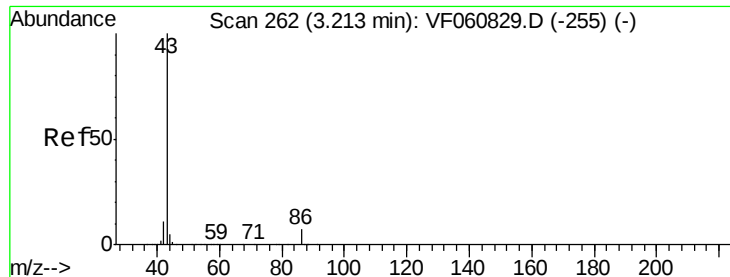
45 100

43 120.9 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#





#23

Vinyl Acetate

Concen: 69.310 ug/l

RT: 3.17 min Scan# 258

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

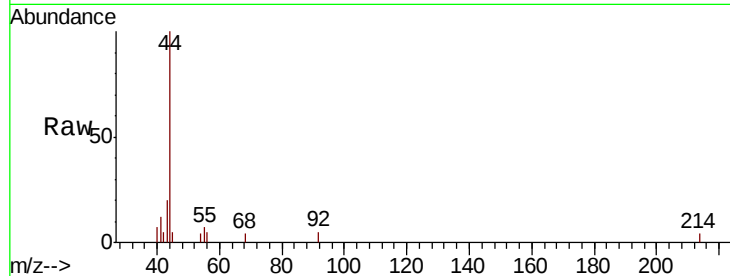
S32-0632MS

Tot Ion: 43 Resp: 1812

Ion Ratio Lower Upper

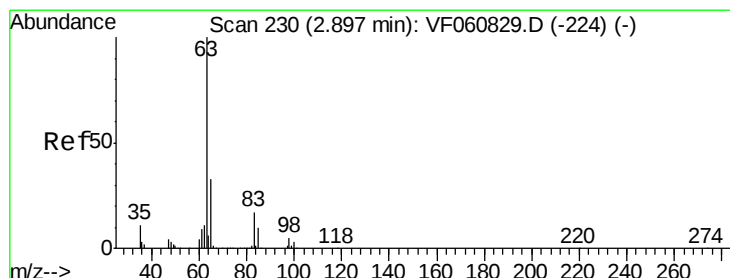
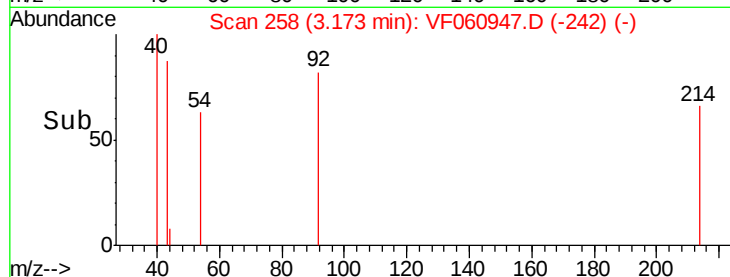
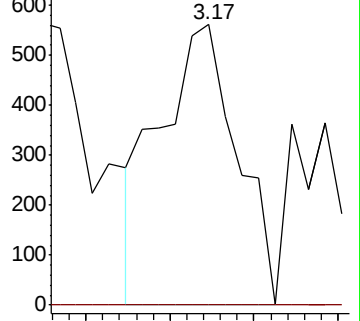
43 100

86 0.0 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: 51.664 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

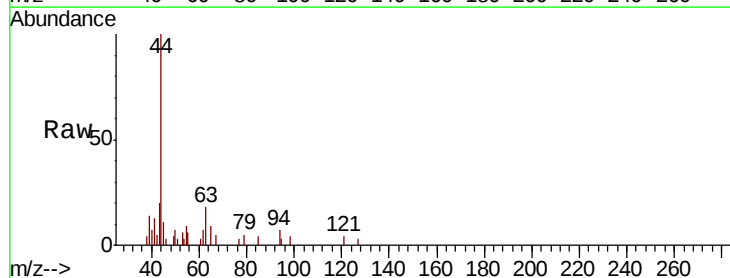
Tgt Ion: 63 Resp: 1758

Ion Ratio Lower Upper

63 100

98 21.6 2.7 8.1#

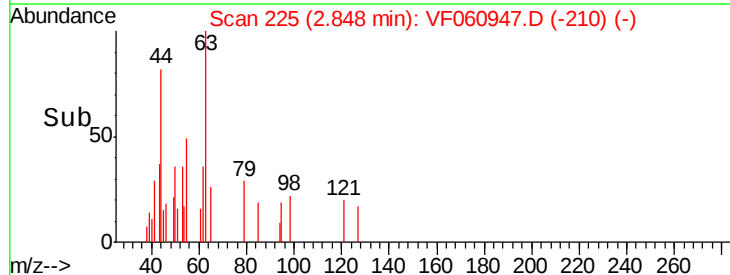
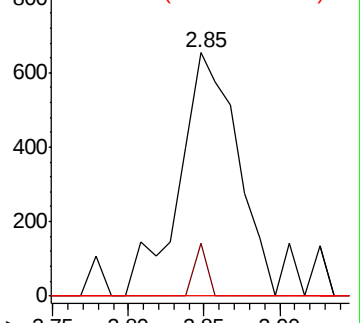
100 0.0 1.5 4.5#

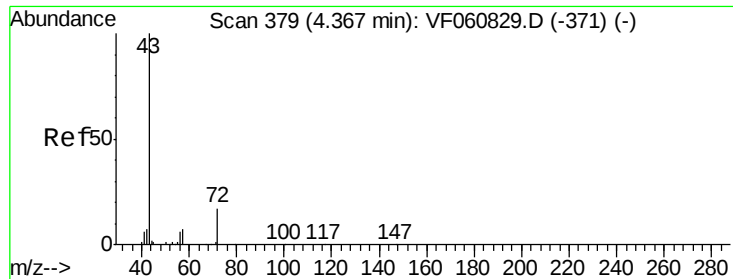


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 29.377 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

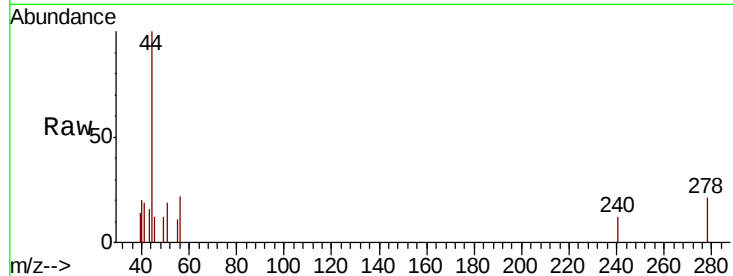
S32-0632MS

Tot Ion: 43 Resp: 235

Ion Ratio Lower Upper

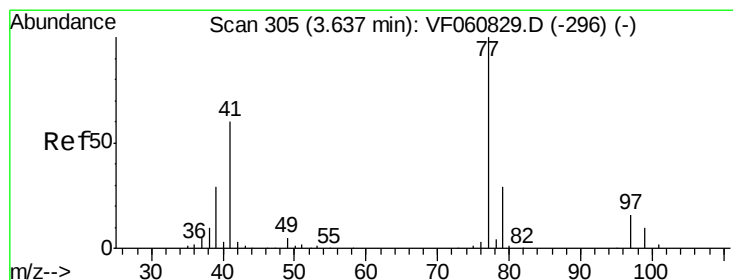
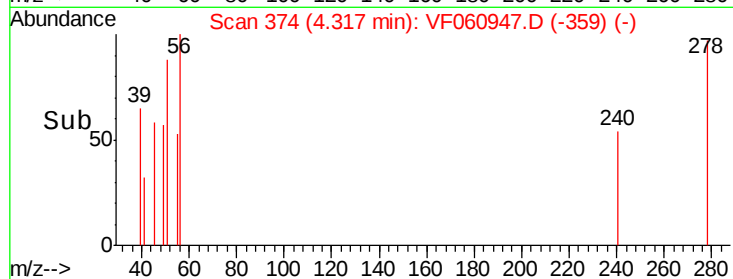
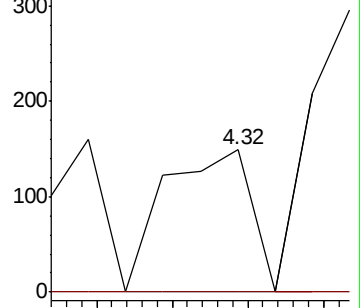
43 100

72 0.0 15.4 23.2#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 130.641 ug/l

RT: 3.57 min Scan# 298

Delta R.T. -0.07 min

Lab File: VF060947.D

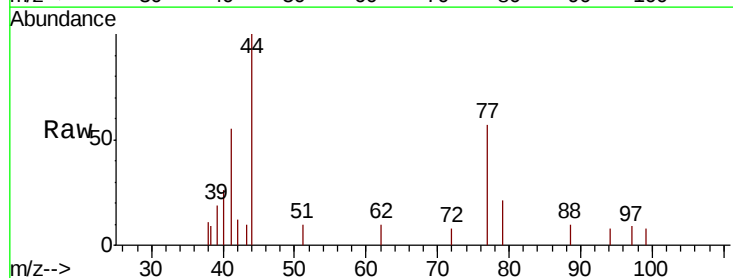
Acq: 7 Dec 2018 23:53

Tgt Ion: 77 Resp: 2882

Ion Ratio Lower Upper

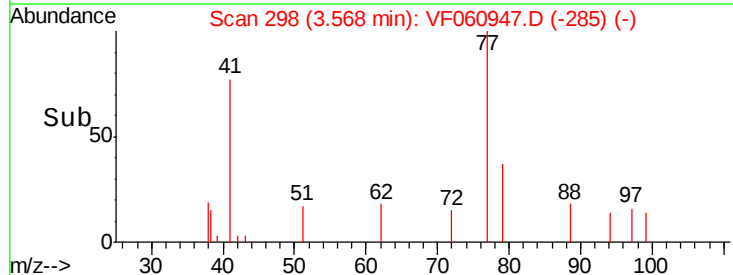
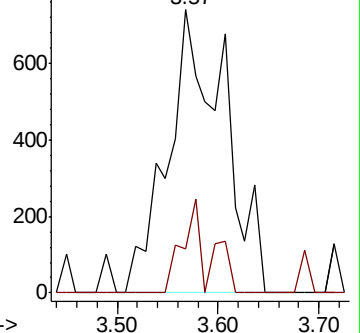
77 100

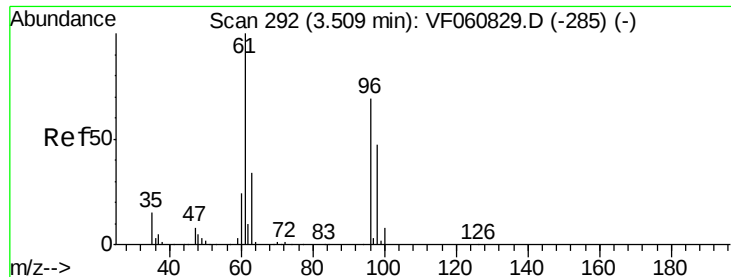
97 15.6 8.6 25.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



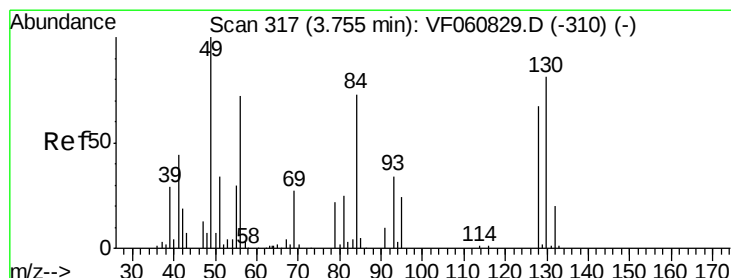
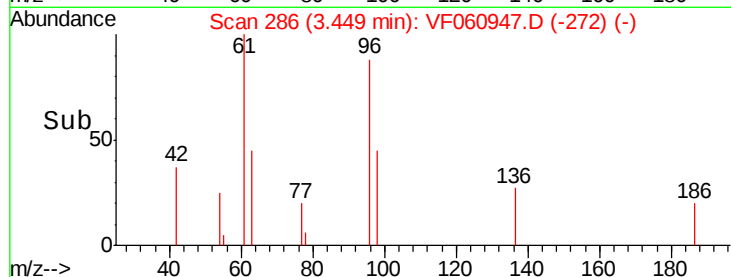
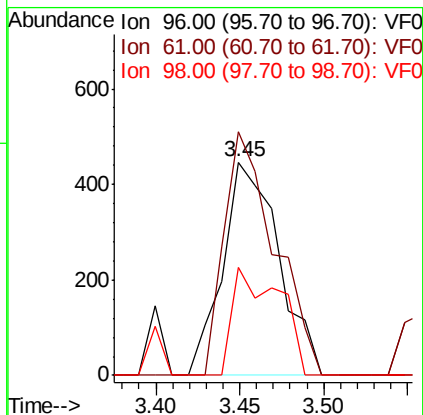
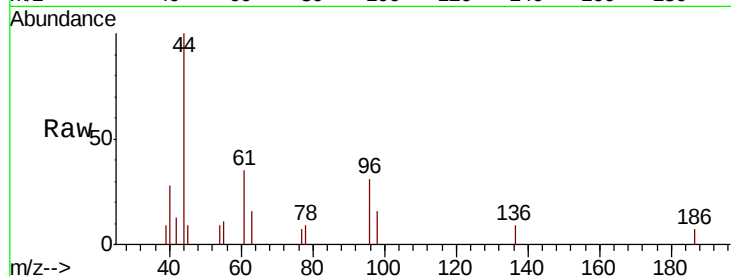


#27

cis-1,2-Dichloroethene
Concen: 39.156 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.06 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

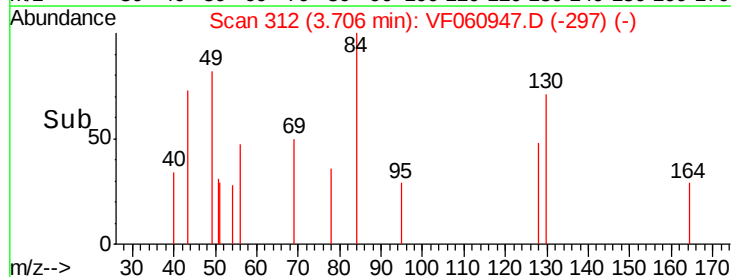
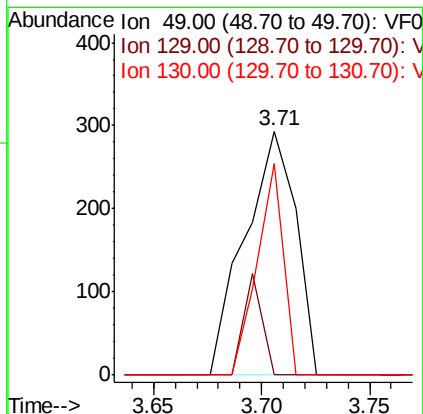
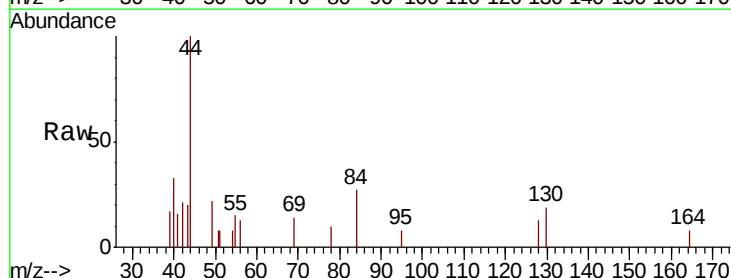
Tot Ion	Ratio	Lower	Upper
96	100		
61	114.1	0.0	290.6
98	50.8	0.0	137.8

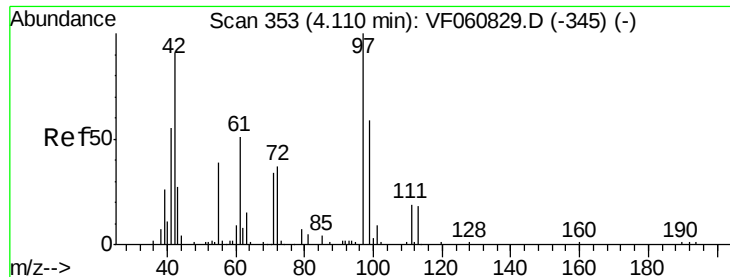


#28

Bromochloromethane
Concen: 29.393 ug/l
RT: 3.71 min Scan# 312
Delta R.T. -0.05 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.4
130	87.0	64.2	96.4





#29

Tetrahydrofuran

Concen: 146.864 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

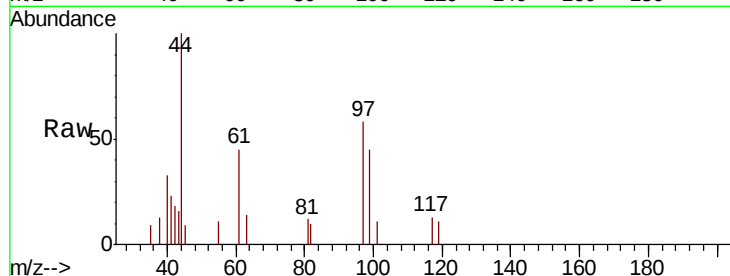
Tot Ion: 42 Resp: 498

Ion Ratio Lower Upper

42 100

72 0.0 31.9 47.9#

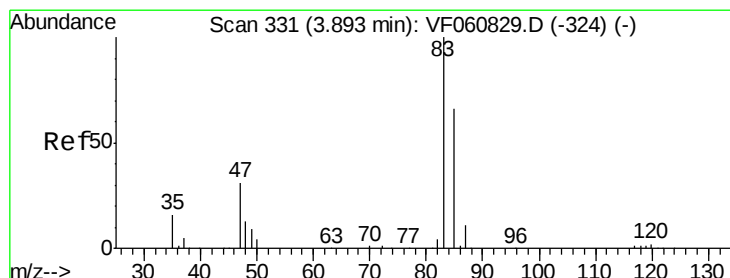
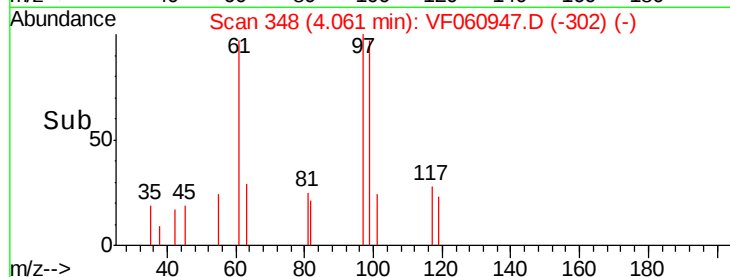
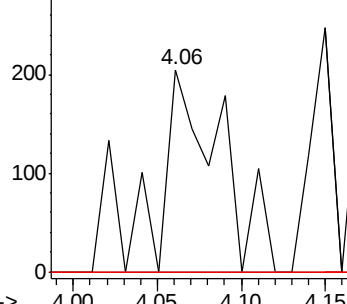
71 0.0 28.7 43.1#



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: 27.764 ug/l

RT: 3.84 min Scan# 326

Delta R.T. -0.05 min

Lab File: VF060947.D

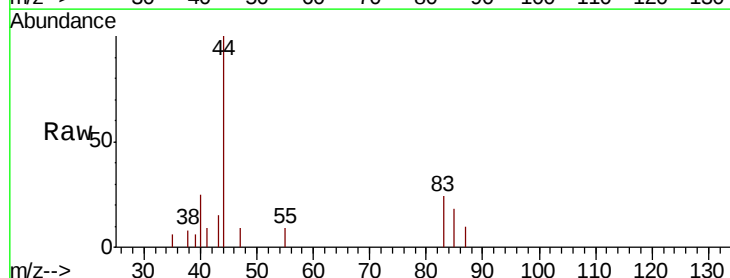
Acq: 7 Dec 2018 23:53

Tgt Ion: 83 Resp: 1454

Ion Ratio Lower Upper

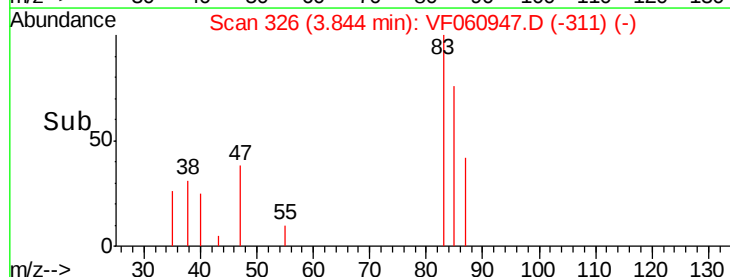
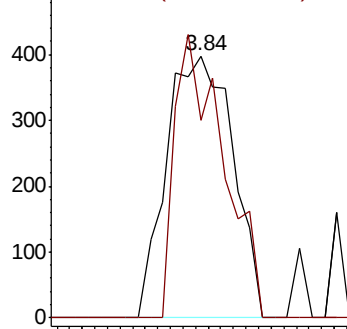
83 100

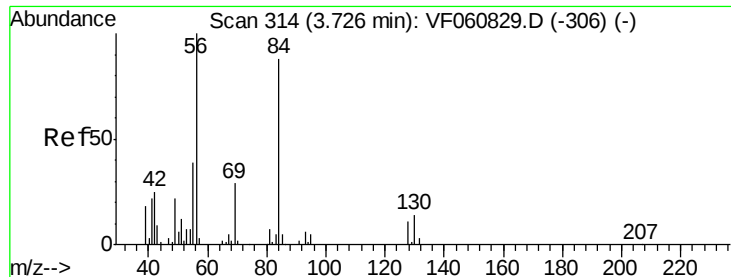
85 75.6 53.4 80.2



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cvclohexane

Concen: 96.646 ug/l

RT: 3.67 min Scan# 308

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

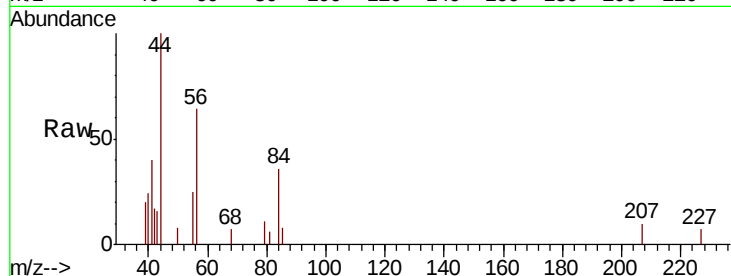
Tot Ion: 56 Resp: 3413

Ion Ratio Lower Upper

56 100

69 0.0 23.0 34.4#

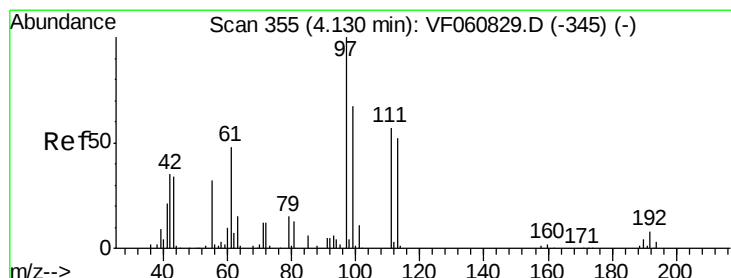
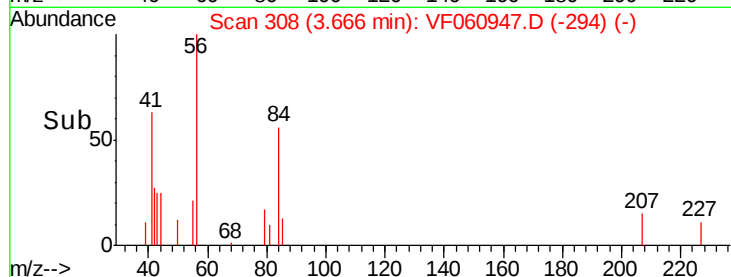
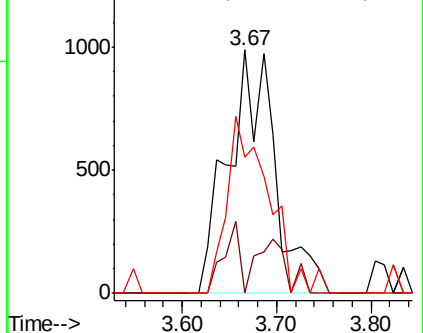
84 56.1 70.4 105.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 75.523 ug/l

RT: 4.07 min Scan# 349

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

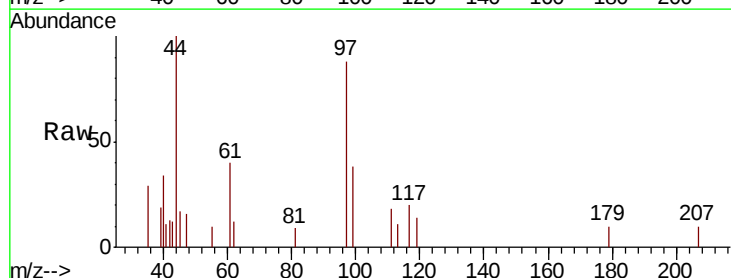
Tgt Ion: 97 Resp: 2743

Ion Ratio Lower Upper

97 100

99 42.5 53.5 80.3#

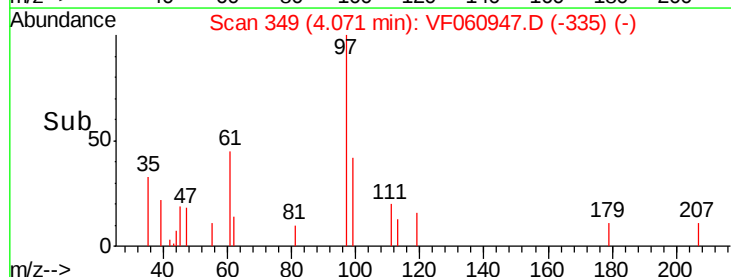
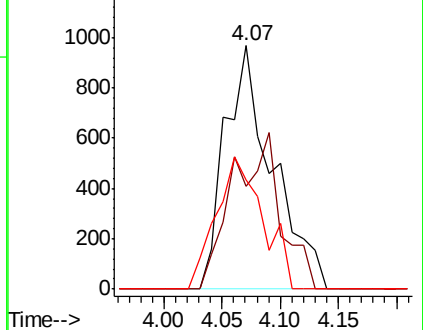
61 44.7 38.6 58.0

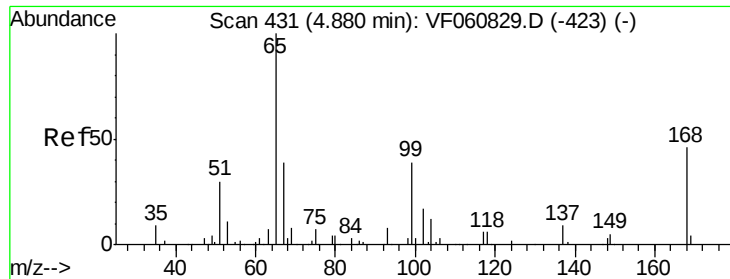


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 18.221 ug/l

RT: 4.84 min Scan# 427

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

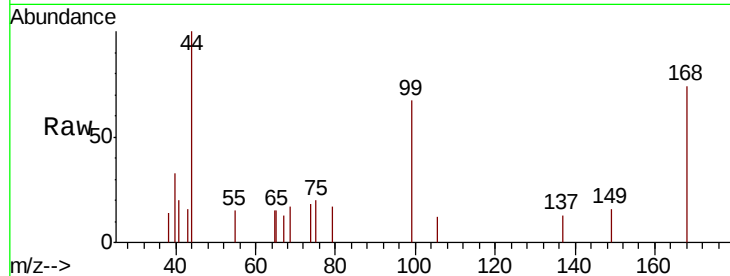
S32-0632MS

Tot Ion: 65 Resp: 457

Ion Ratio Lower Upper

65 100

67 43.3 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

300

250

200

150

100

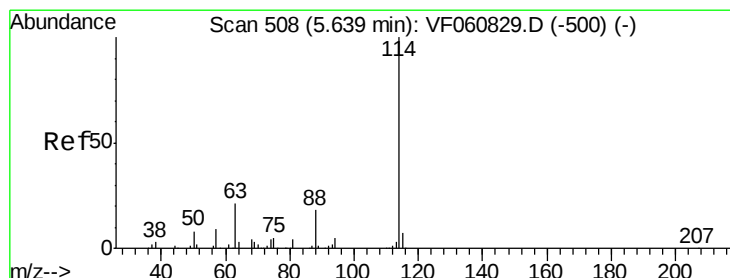
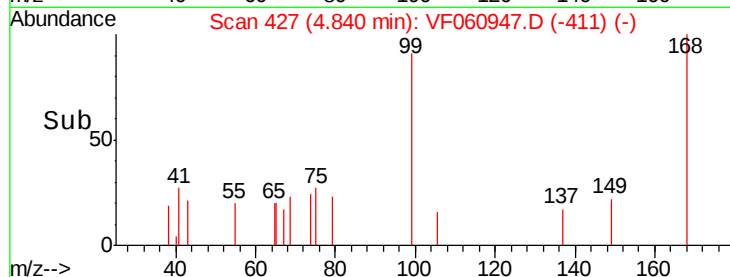
50

0

4.80

4.85

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.58 min Scan# 502

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

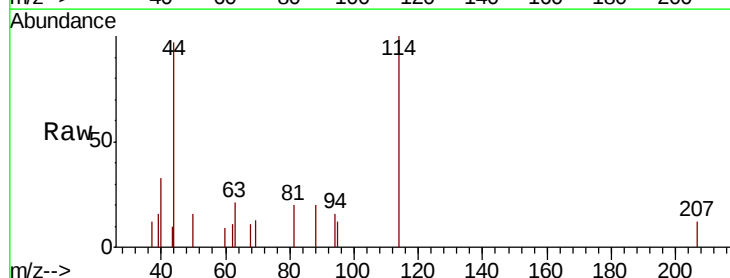
Tgt Ion: 114 Resp: 2622

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.6

88 20.4 0.0 36.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

1500

1000

500

0

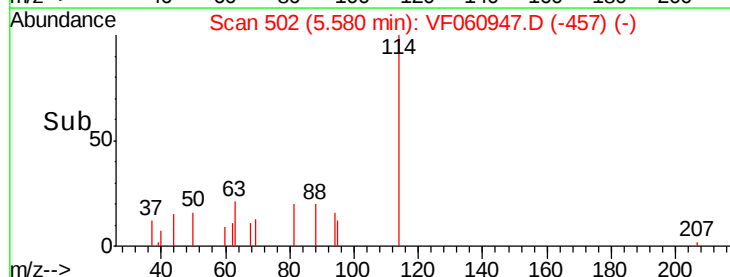
5.50

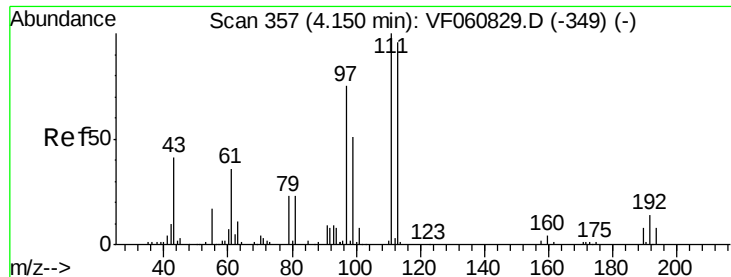
5.55

5.60

5.65

Time-->





#35

Dibromofluoromethane

Concen: 42.402 ug/l

RT: 4.09 min Scan# 351

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

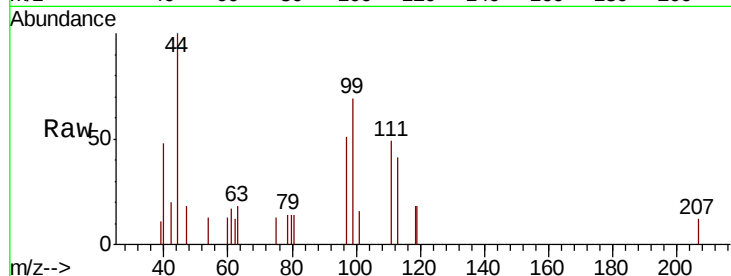
Tot Ion:113 Resp: 882

Ion Ratio Lower Upper

113 100

111 118.8 83.0 124.6

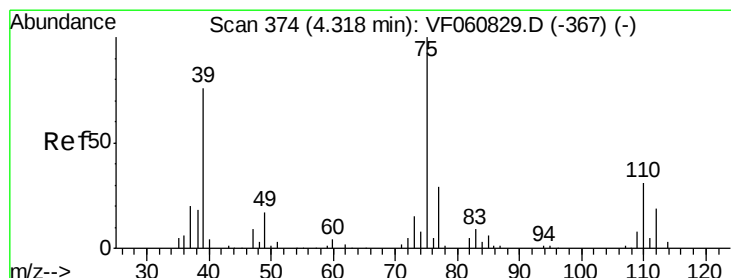
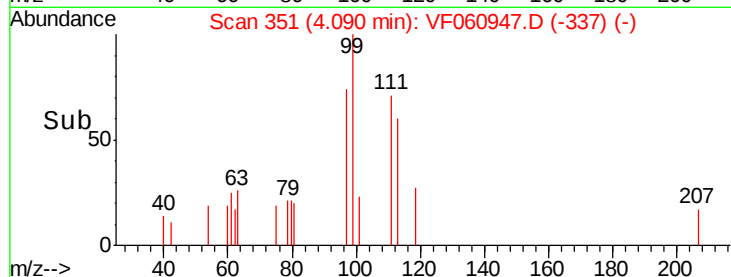
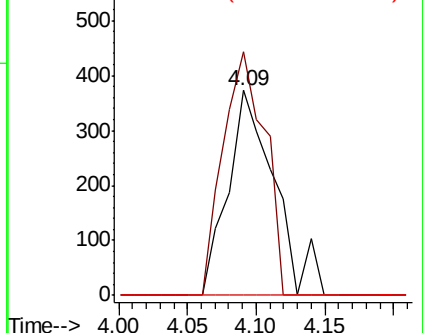
192 0.0 12.3 18.5#



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 74.650 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

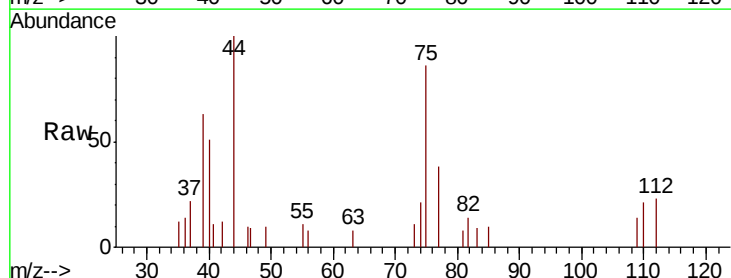
Tgt Ion: 75 Resp: 2171

Ion Ratio Lower Upper

75 100

110 24.9 15.6 46.8

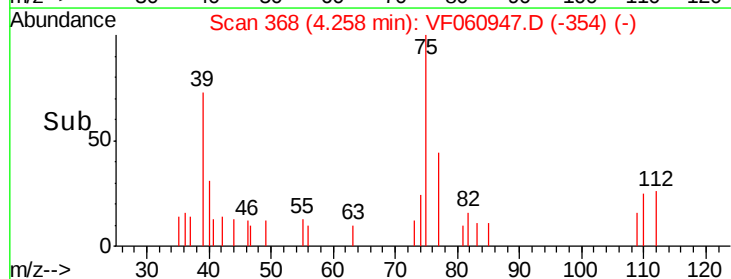
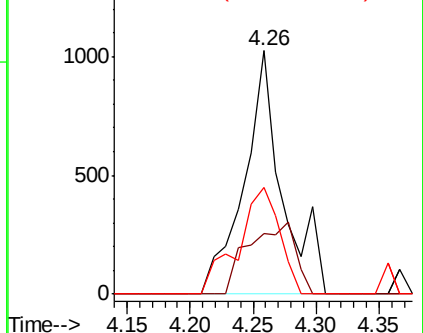
77 44.0 23.4 35.0#

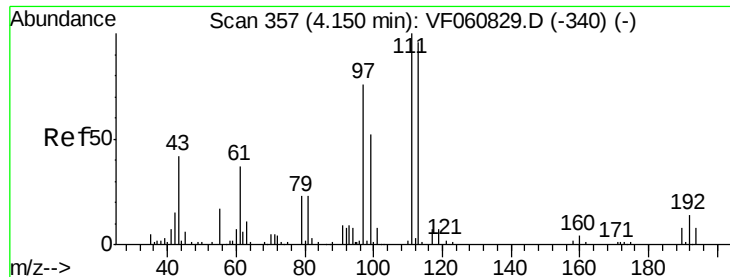


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

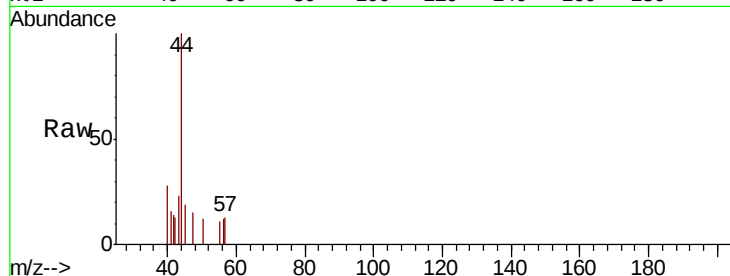




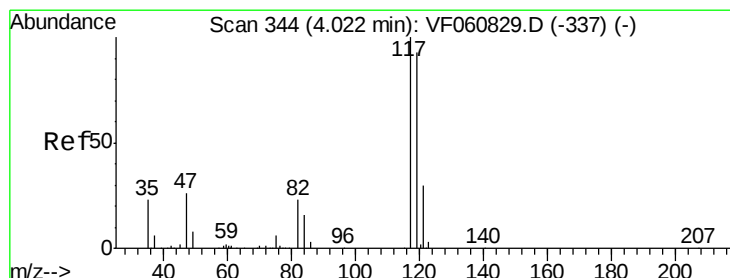
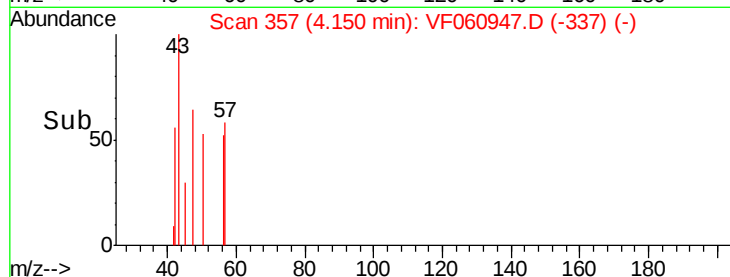
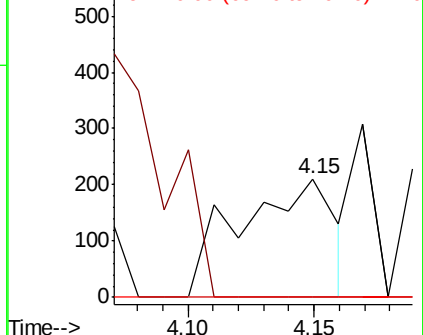
#37
Ethyl Acetate
Concen: 46.623 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

Tot Ion: 43 Resp: 551
Ion Ratio Lower Upper
43 100
61 0.0 68.6 103.0#
70 0.0 9.0 13.4#

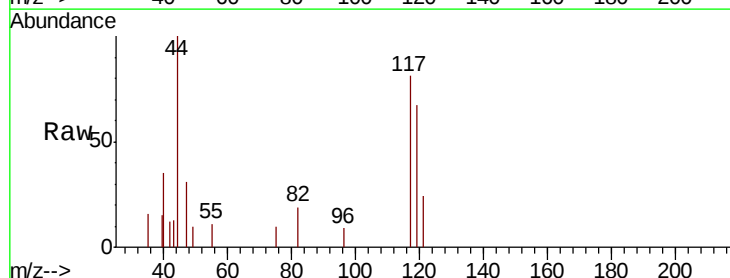


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

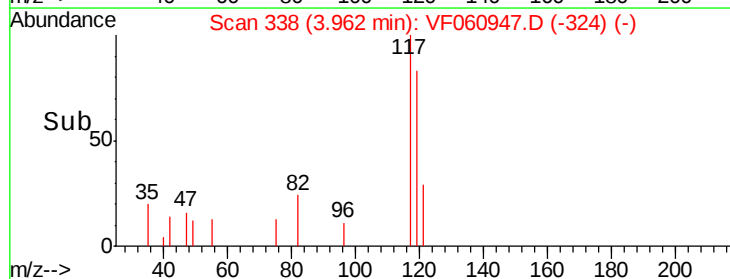
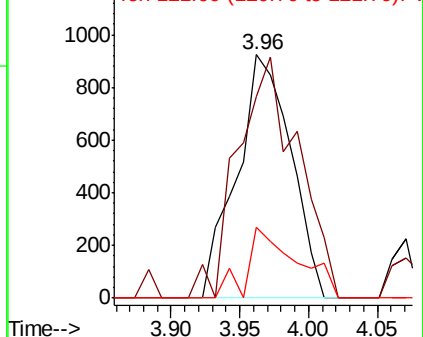


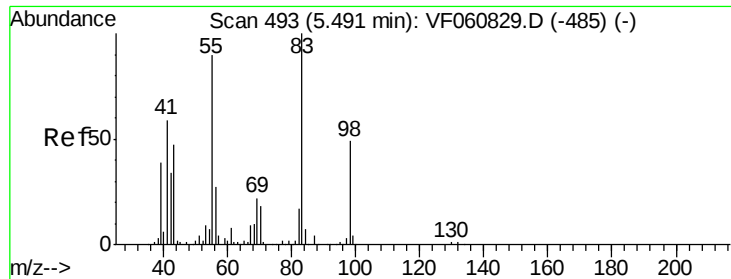
#38
Carbon Tetrachloride
Concen: 98.377 ug/l
RT: 3.96 min Scan# 338
Delta R.T. -0.06 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion:117 Resp: 2527
Ion Ratio Lower Upper
117 100
119 82.7 74.4 111.6
121 29.1 23.5 35.3



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

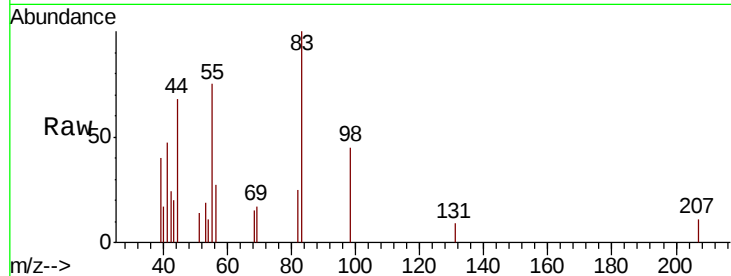




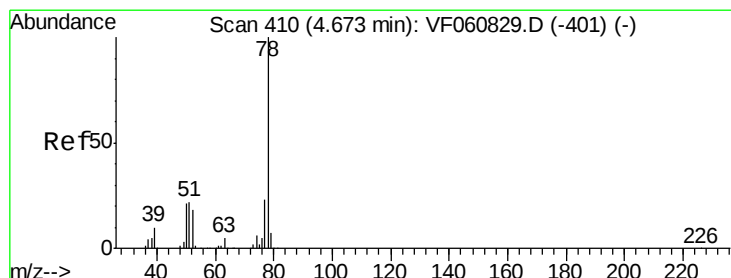
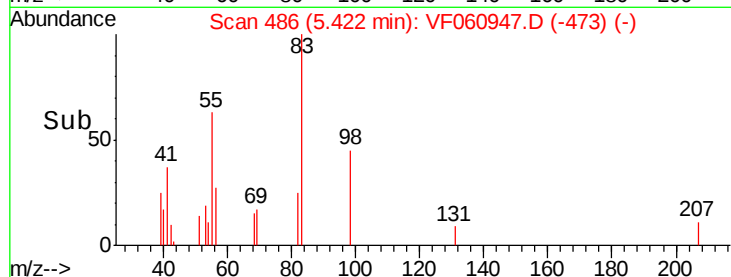
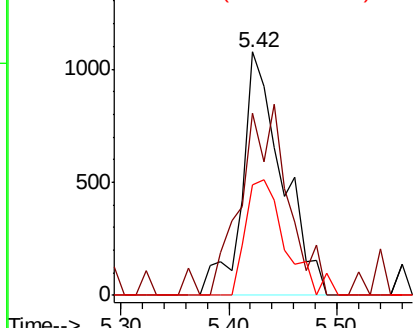
#39
Methvlcvclohexane
Concen: 91.838 ug/l
RT: 5.42 min Scan# 486
Delta R.T. -0.07 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

Tot Ion: 83 Resp: 2799
Ion Ratio Lower Upper
83 100
55 74.7 72.1 108.1
98 45.3 39.1 58.7

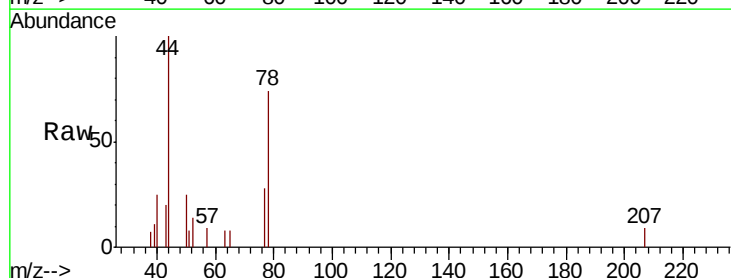


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

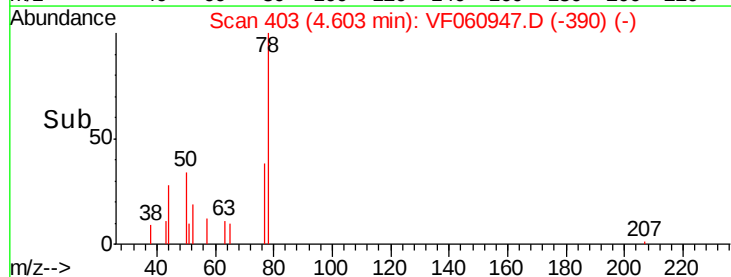
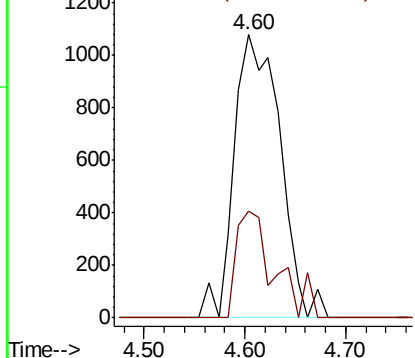


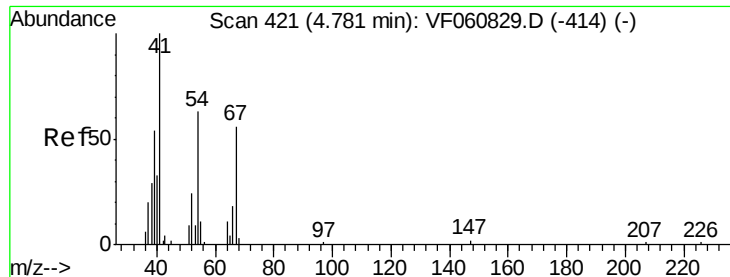
#40
Benzene
Concen: 53.028 ug/l
RT: 4.60 min Scan# 403
Delta R.T. -0.07 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 78 Resp: 3407
Ion Ratio Lower Upper
78 100
77 37.8 18.7 28.1#



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

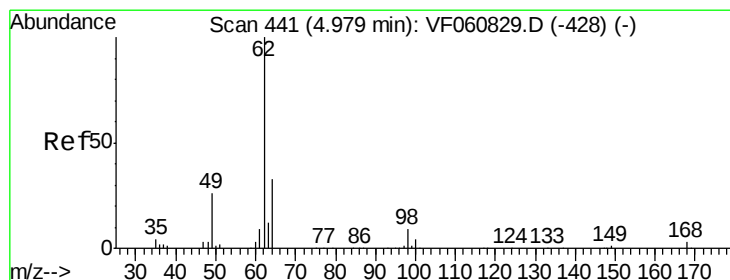
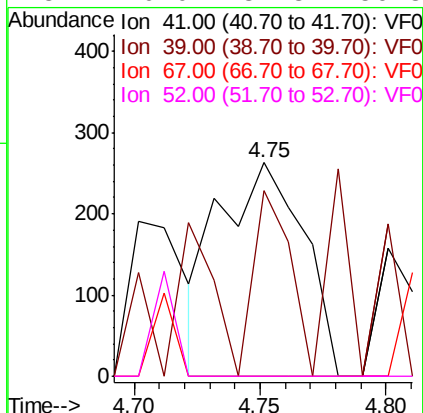
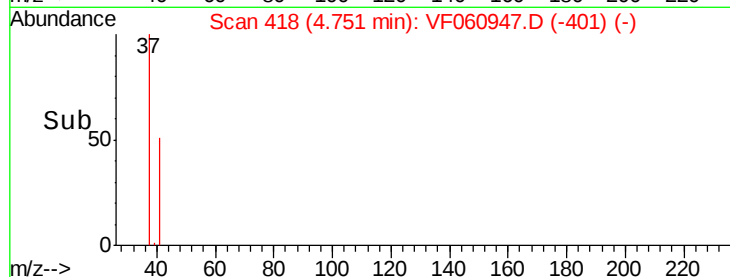
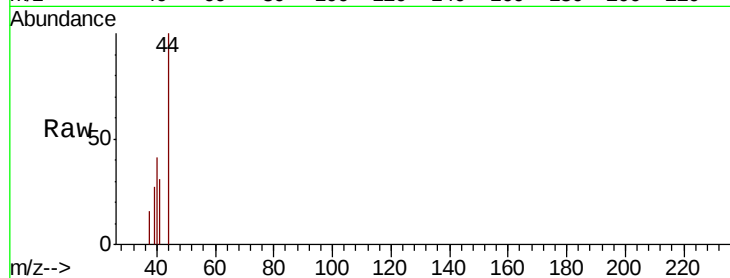




#41
Methacrylonitrile
Concen: 104.579 ug/l
RT: 4.75 min Scan# 418
Delta R.T. -0.03 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

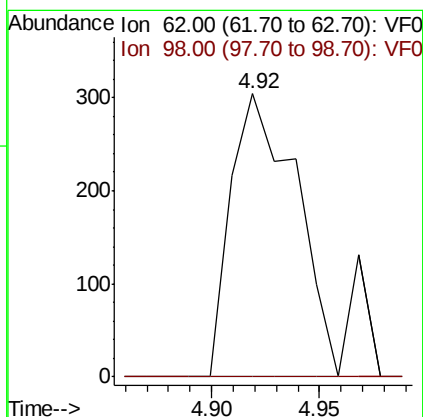
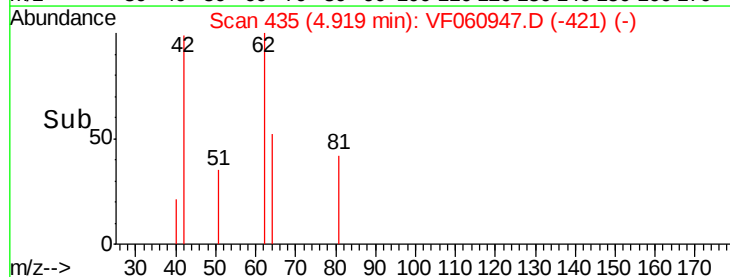
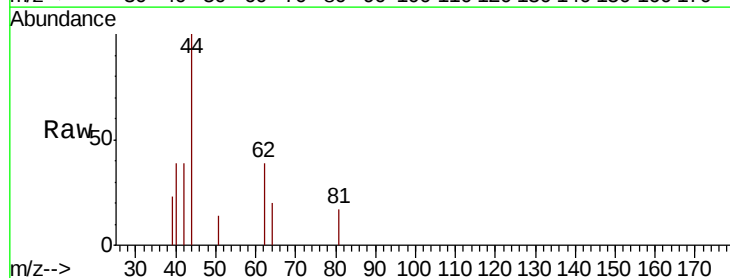
Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

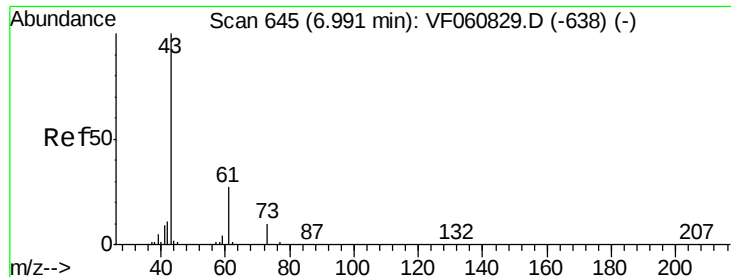
Tot Ion: 41 Resp: 614
Ion Ratio Lower Upper
41 100
39 87.1 53.0 79.6#
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#



#42
1,2-Dichloroethane
Concen: 27.413 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.06 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 62 Resp: 643
Ion Ratio Lower Upper
62 100
98 0.0 0.0 17.2



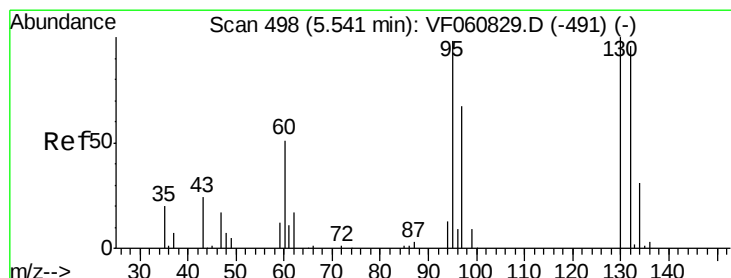
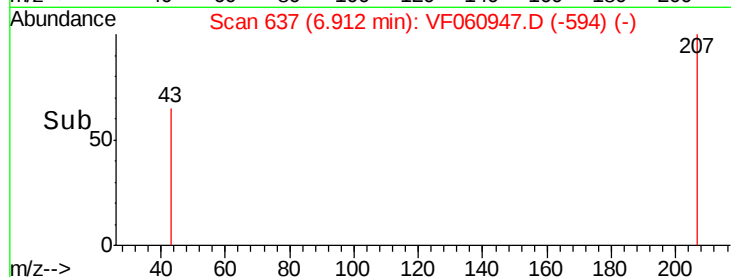
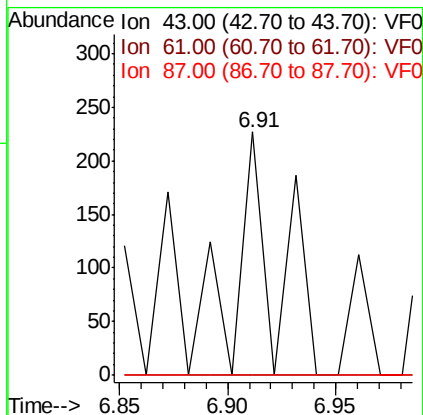
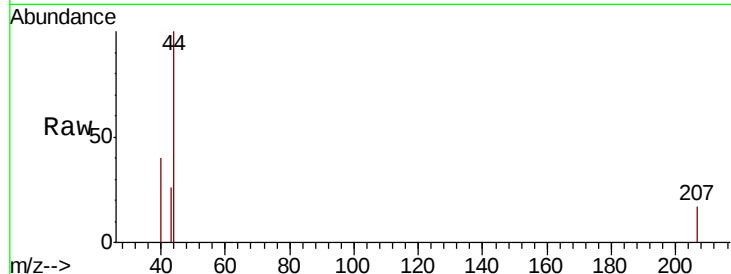


#43

Isopropyl Acetate
 Concen: 20.259 ug/l
 RT: 6.91 min Scan# 637
 Delta R.T. -0.08 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MS

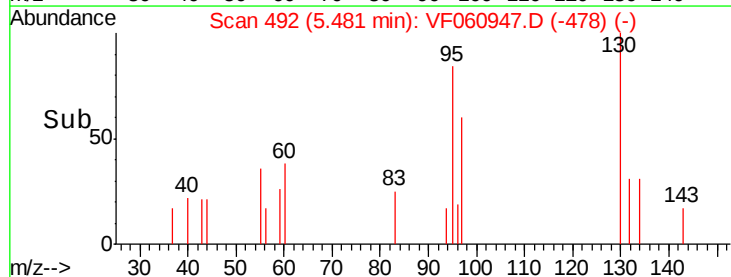
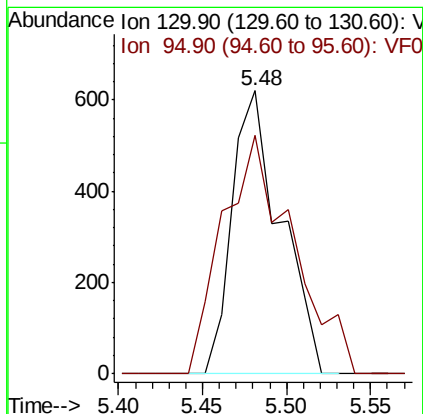
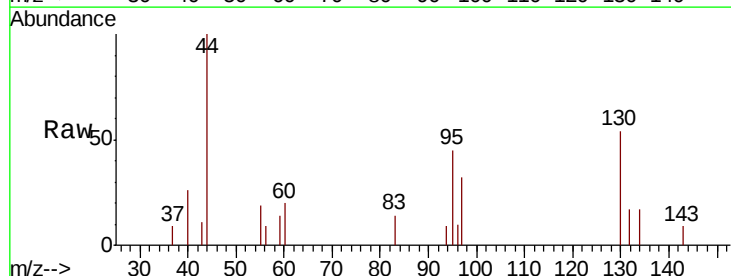
Tot Ion: 43 Resp: 319
 Ion Ratio Lower Upper
 43 100
 61 0.0 21.4 32.0#
 87 0.0 0.2 0.4#

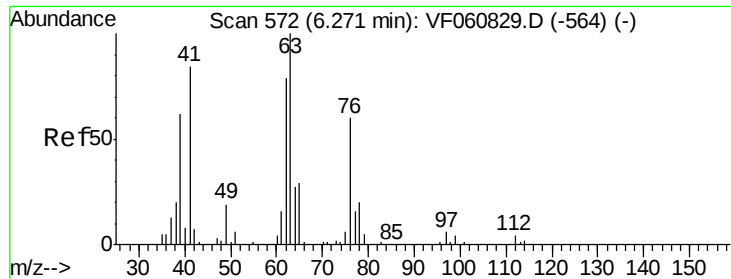


#44

Trichloroethene
 Concen: 59.075 ug/l
 RT: 5.48 min Scan# 492
 Delta R.T. -0.06 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

Tgt Ion: 130 Resp: 1241
 Ion Ratio Lower Upper
 130 100
 95 84.4 0.0 195.6





#45

1,2-Dichloropropane

Concen: 36.497 ug/l

RT: 6.22 min Scan# 567

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

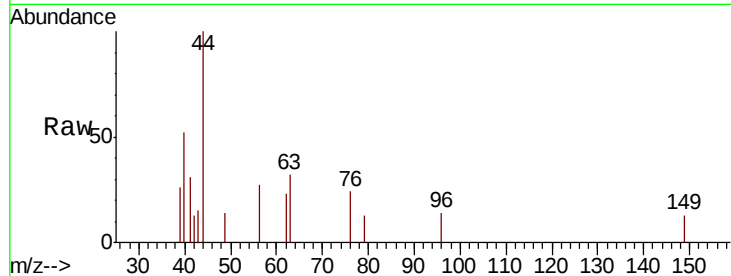
S32-0632MS

Tot Ion: 63 Resp: 609

Ion Ratio Lower Upper

63 100

65 0.0 23.2 34.8#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.22

250

200

150

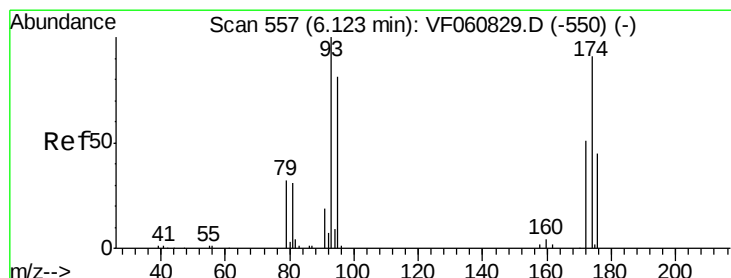
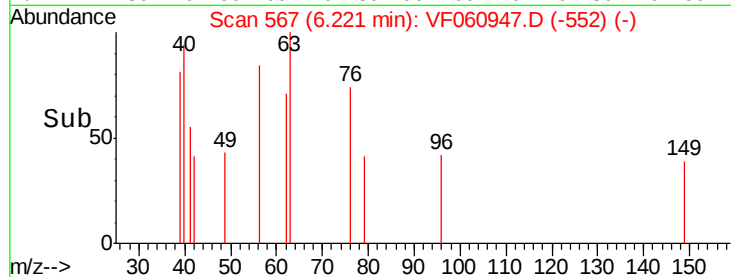
100

50

0

6.15 6.20 6.25

Time-->



#46

Dibromomethane

Concen: 5.919 ug/l

RT: 6.08 min Scan# 553

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

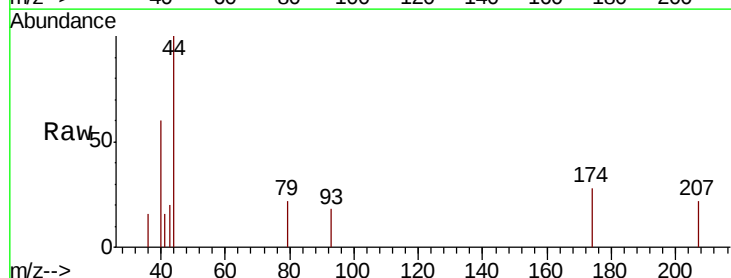
Tgt Ion: 93 Resp: 67

Ion Ratio Lower Upper

93 100

95 0.0 64.7 97.1#

174 153.5 73.0 109.6#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

200

150

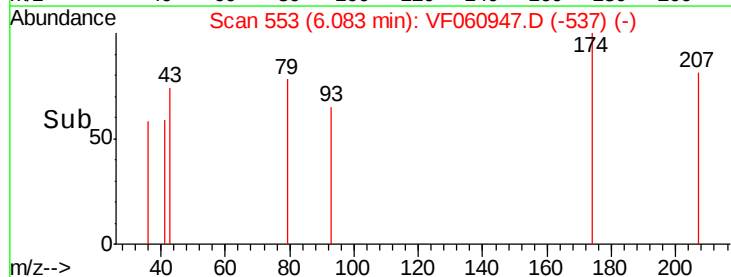
100

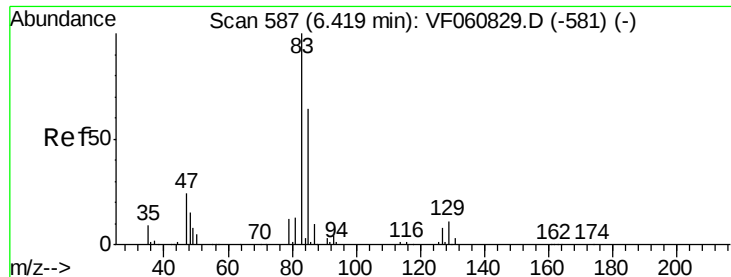
50

0

6.06 6.08 6.10

Time-->





#47

Bromodichloromethane

Concen: 30.967 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

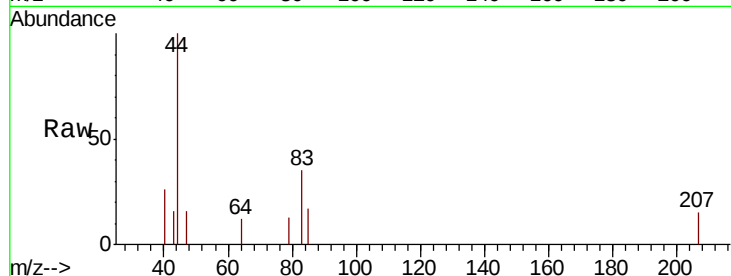
Tot Ion: 83 Resp: 931

Ion Ratio Lower Upper

83 100

85 48.5 51.1 76.7#

127 0.0 6.8 10.2#



Abundance Ion 83.00 (82.70 to 83.70): VF0

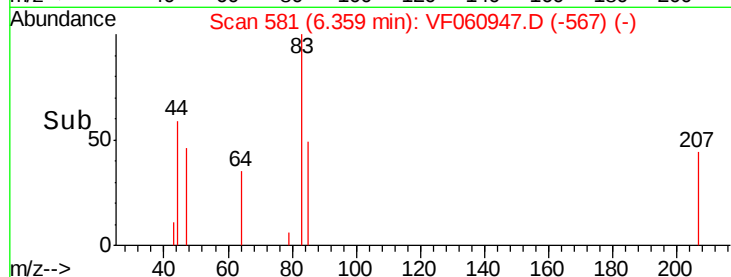
Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V

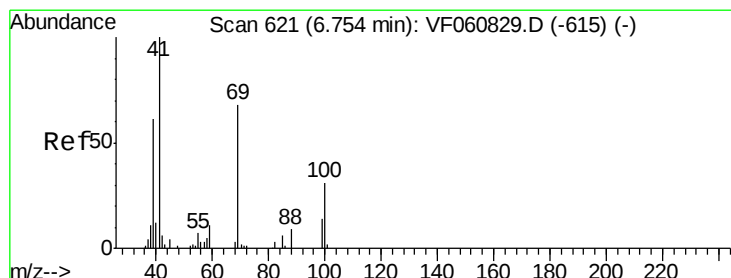
6.36

6.35

6.40



Time-->



#48

Methyl methacrylate

Concen: 24.117 ug/l

RT: 6.69 min Scan# 615

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

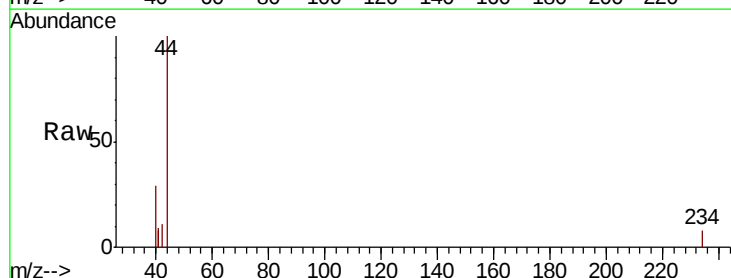
Tgt Ion: 41 Resp: 258

Ion Ratio Lower Upper

41 100

69 0.0 53.9 80.9#

39 0.0 49.0 73.6#



Abundance Ion 41.00 (40.70 to 41.70): VF0

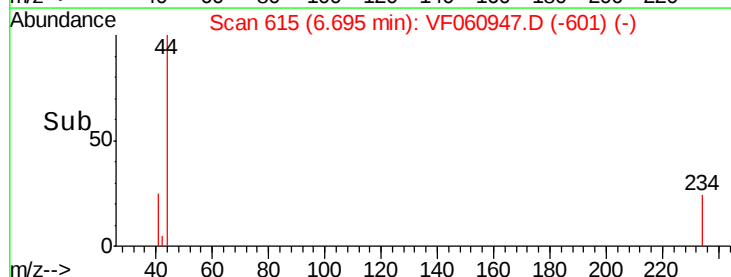
Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

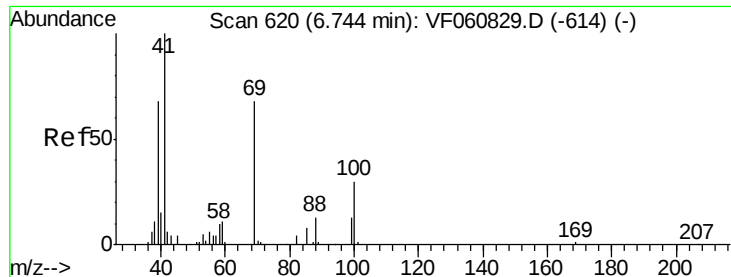
6.69

6.68

6.72



Time-->



#49

1,4-Dioxane

Concen: 804.674 ug/l

RT: 6.61 min Scan# 606

Delta R.T. -0.14 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

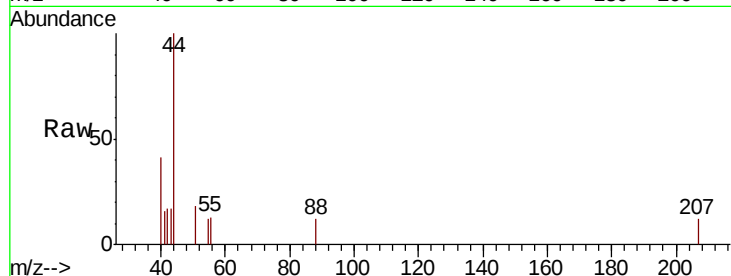
Tot Ion: 88 Resp: 63

Ion Ratio Lower Upper

88 100

43 136.4 42.0 63.0#

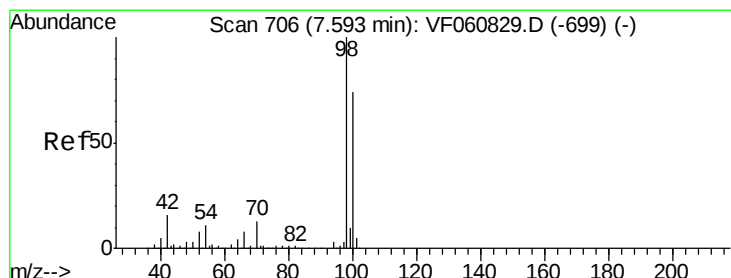
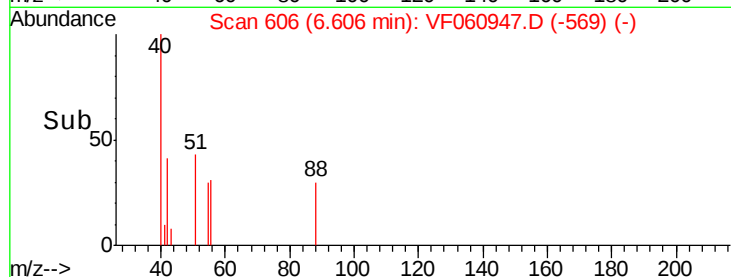
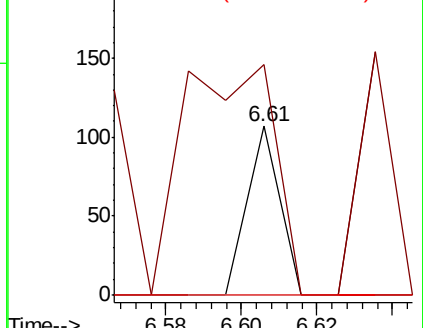
58 0.0 61.8 92.8#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 49.891 ug/l

RT: 7.52 min Scan# 699

Delta R.T. -0.07 min

Lab File: VF060947.D

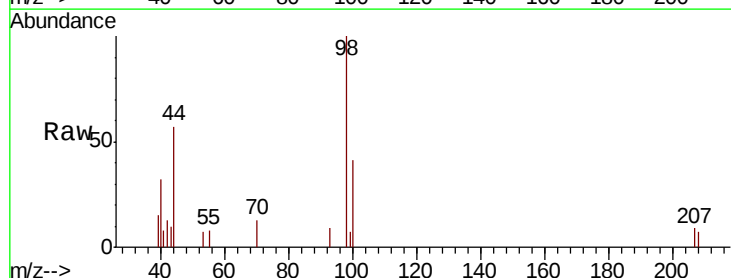
Acq: 7 Dec 2018 23:53

Tgt Ion: 98 Resp: 3057

Ion Ratio Lower Upper

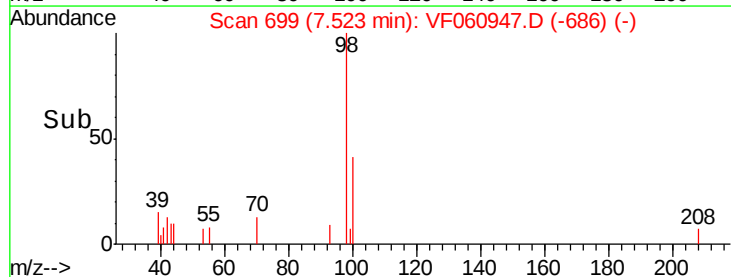
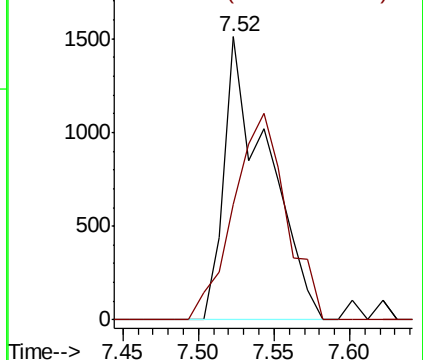
98 100

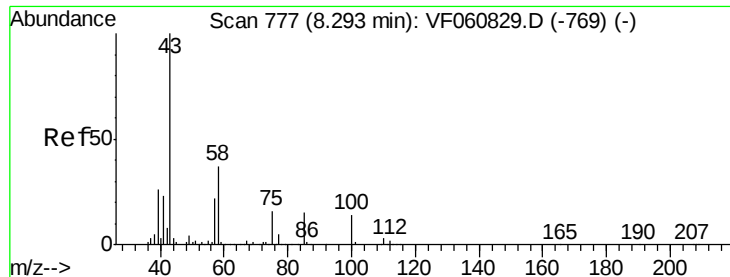
100 41.1 59.3 88.9#



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 20.829 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.07 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

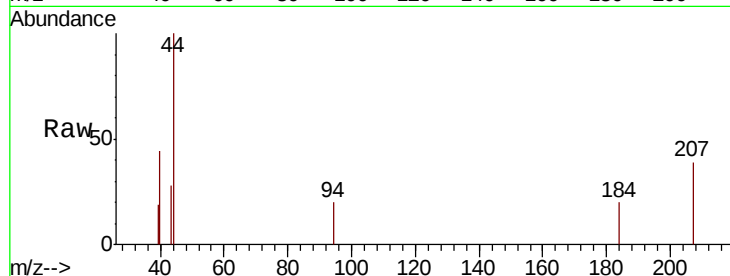
S32-0632MS

Tot Ion: 43 Resp: 227

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

150

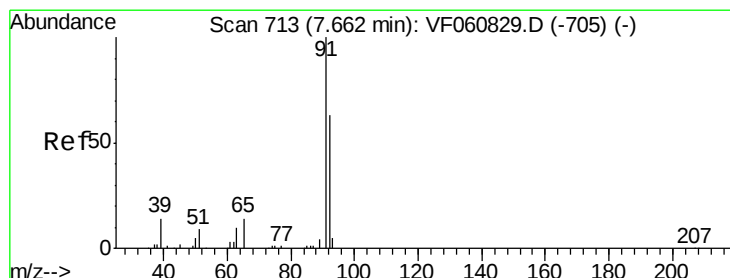
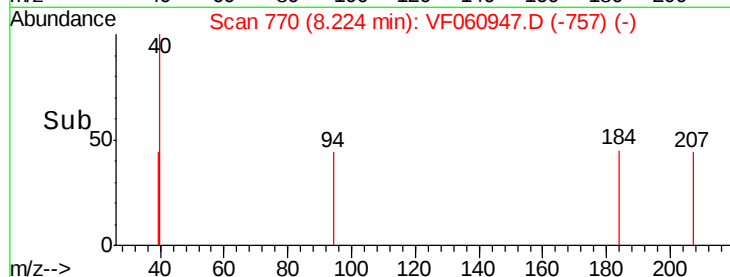
100

50

0

8.18 8.20 8.22 8.24 8.26

Time-->



#52

Toluene

Concen: 54.576 ug/l

RT: 7.61 min Scan# 708

Delta R.T. -0.05 min

Lab File: VF060947.D

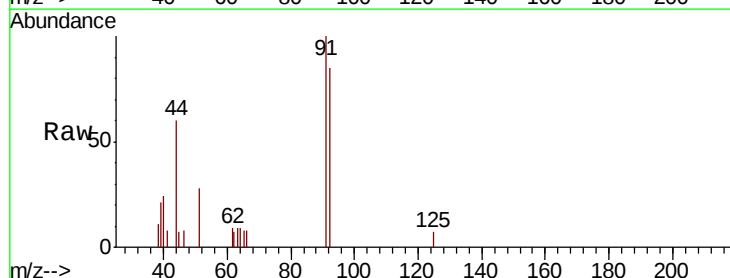
Acq: 7 Dec 2018 23:53

Tgt Ion: 92 Resp: 2463

Ion Ratio Lower Upper

92 100

91 117.9 126.2 189.2#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

1500

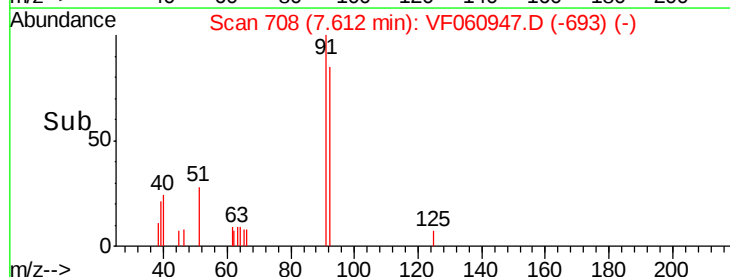
1000

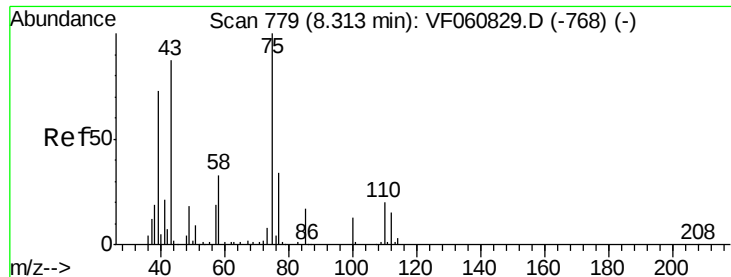
500

0

7.55 7.60 7.65 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 30.546 ug/l

RT: 8.27 min Scan# 775

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

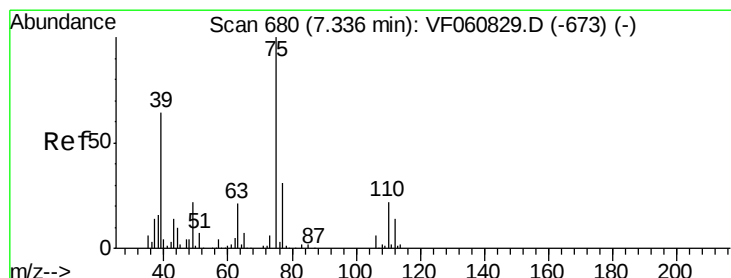
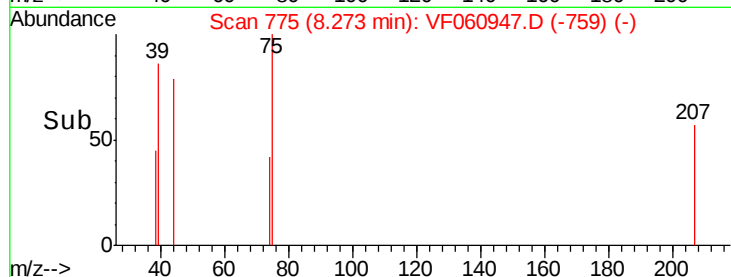
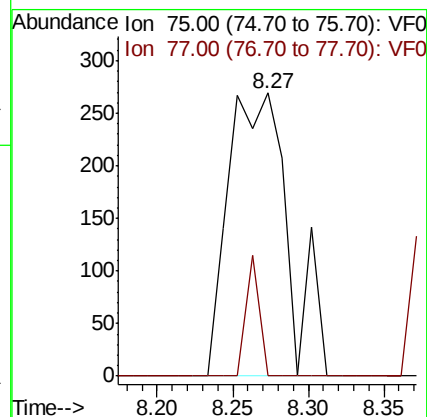
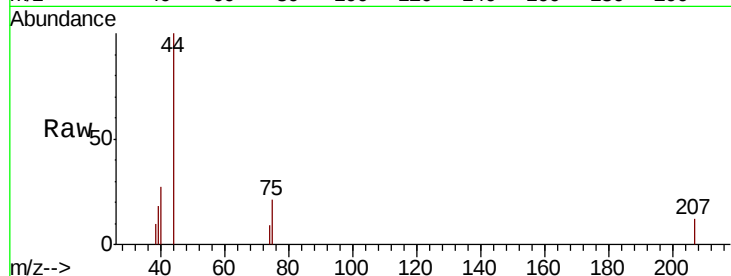
S32-0632MS

Tot Ion: 75 Resp: 747

Ion Ratio Lower Upper

75 100

77 0.0 27.4 41.2#



#54

cis-1,3-Dichloropropene

Concen: 23.485 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

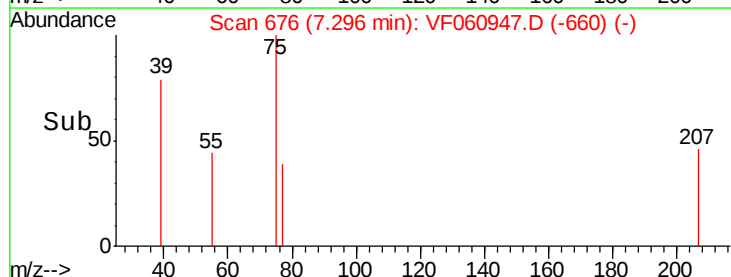
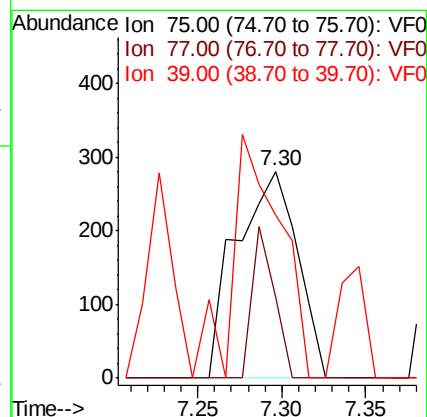
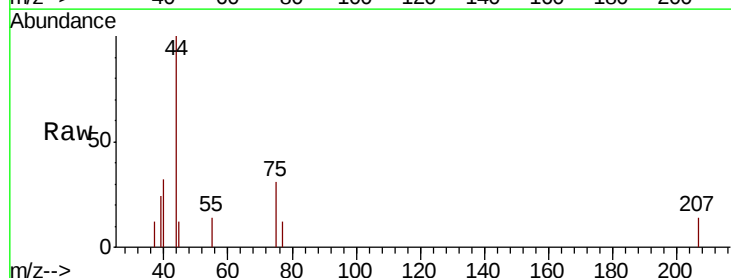
Tgt Ion: 75 Resp: 711

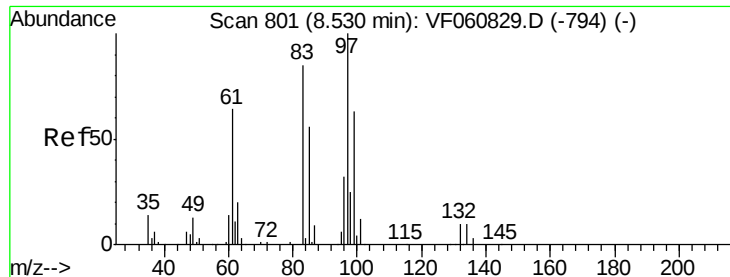
Ion Ratio Lower Upper

75 100

77 39.1 25.0 37.6#

39 78.6 51.1 76.7#

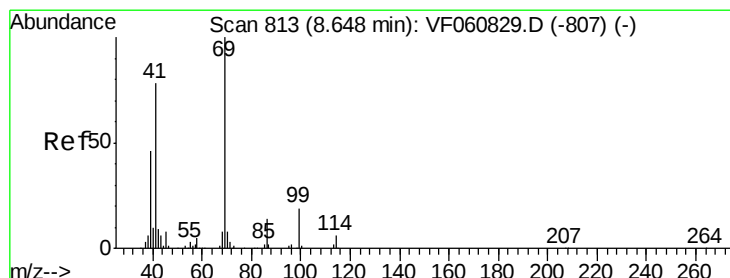
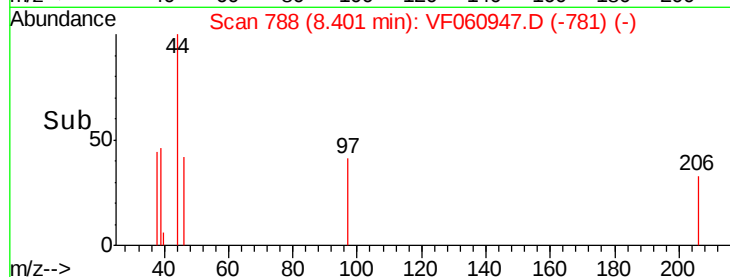
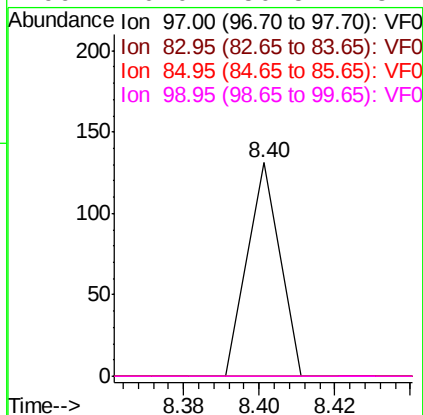
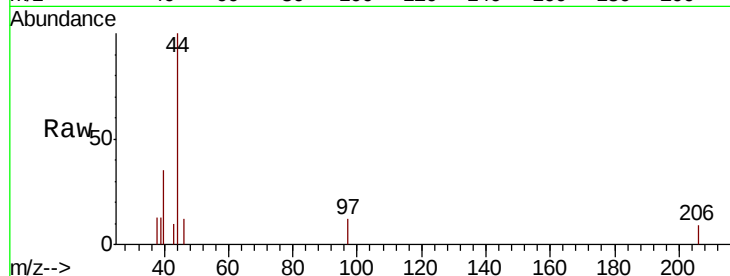




#55
 1,1,2-Trichloroethane
 Concen: 5.932 ug/l
 RT: 8.40 min Scan# 788
 Delta R.T. -0.13 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

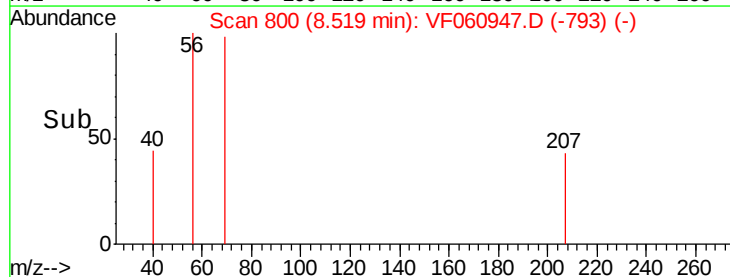
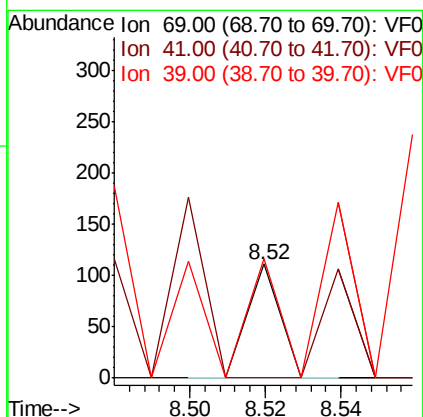
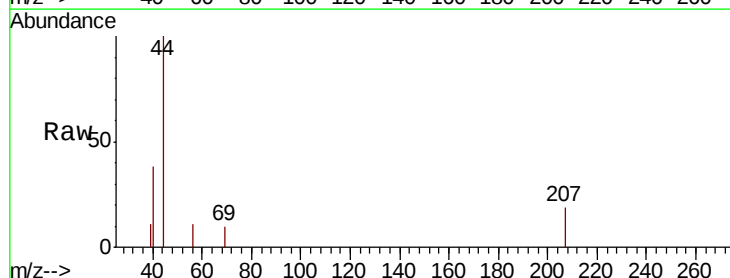
Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MS

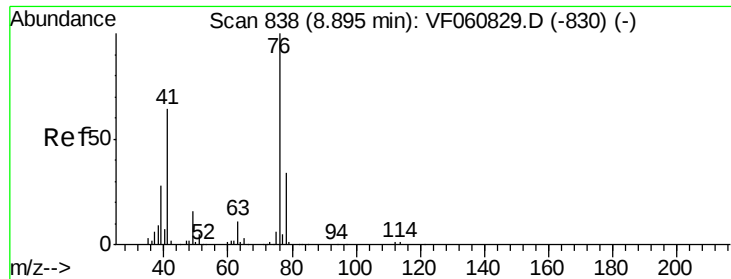
Tot Ion: 97 Resp: 78
 Ion Ratio Lower Upper
 97 100
 83 0.0 67.8 101.6#
 85 0.0 45.0 67.6#
 99 0.0 50.5 75.7#



#56
 Ethyl methacrylate
 Concen: 4.518 ug/l
 RT: 8.52 min Scan# 800
 Delta R.T. -0.13 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

Tgt Ion: 69 Resp: 66
 Ion Ratio Lower Upper
 69 100
 41 0.0 62.6 94.0#
 39 105.4 37.8 56.6#





#57

1,3-Dichloropropane

Concen: 27.731 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.06 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

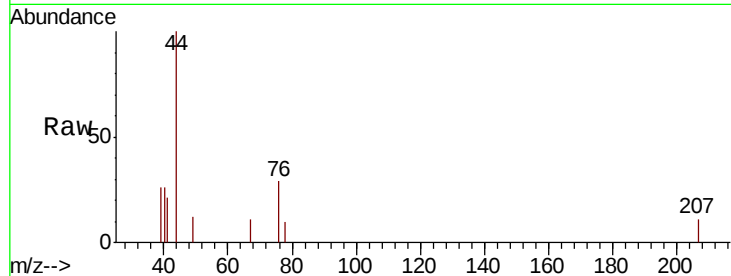
S32-0632MS

Tot Ion: 76 Resp: 638

Ion Ratio Lower Upper

76 100

78 33.9 27.0 40.4



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

8.84

300

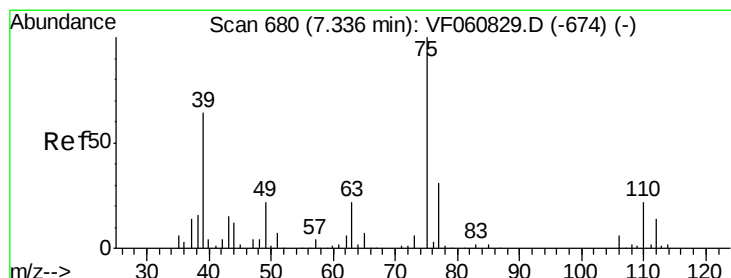
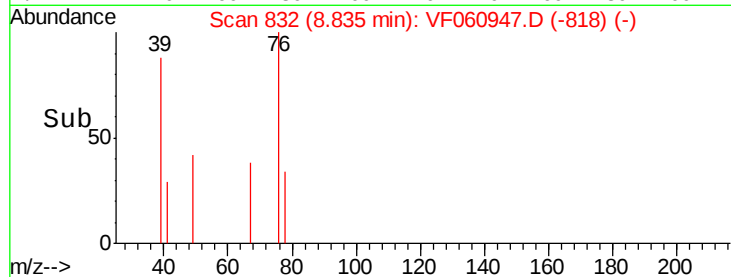
200

100

0

8.80 8.85 8.90

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 52.871 ug/l

RT: 7.17 min Scan# 663

Delta R.T. -0.17 min

Lab File: VF060947.D

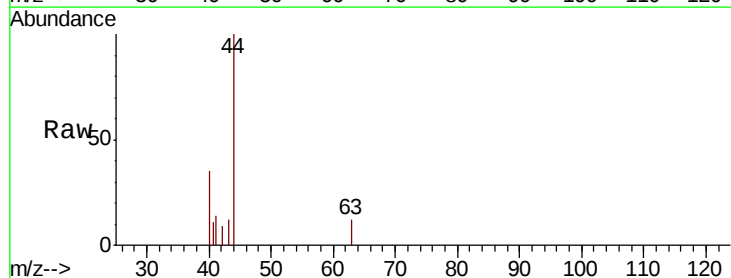
Acq: 7 Dec 2018 23:53

Tgt Ion: 63 Resp: 79

Ion Ratio Lower Upper

63 100

106 0.0 23.0 34.6#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.17

150

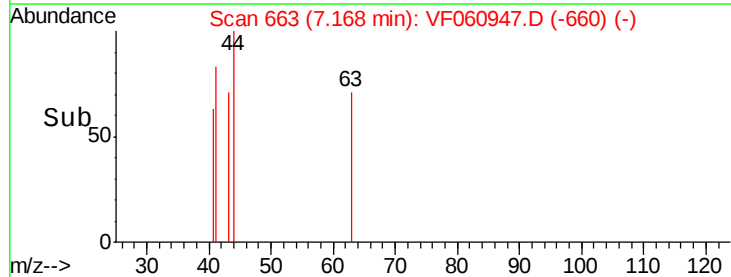
100

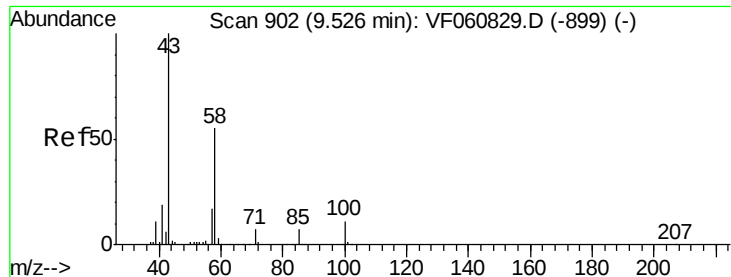
50

0

7.14 7.16 7.18 7.20

Time-->

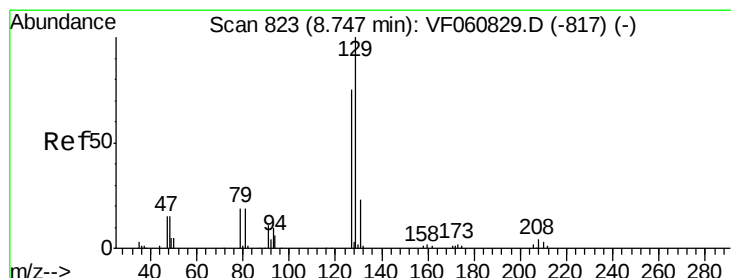
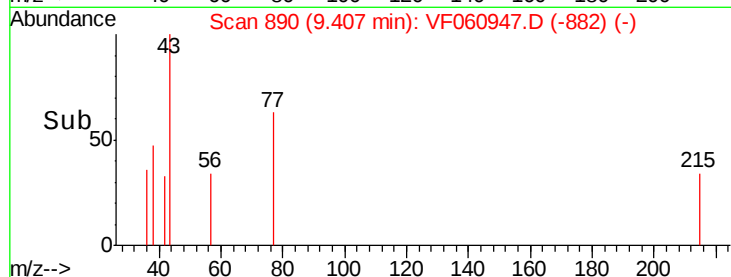
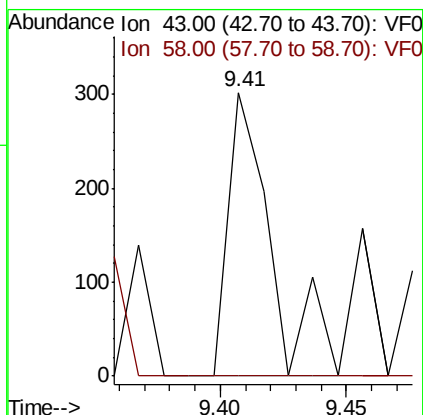
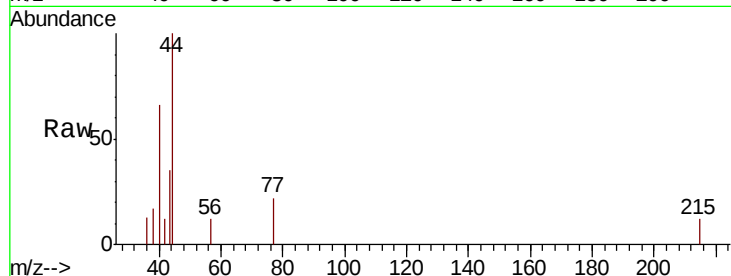




#59
2-Hexanone
Concen: 46.692 ug/l
RT: 9.41 min Scan# 890
Delta R.T. -0.12 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

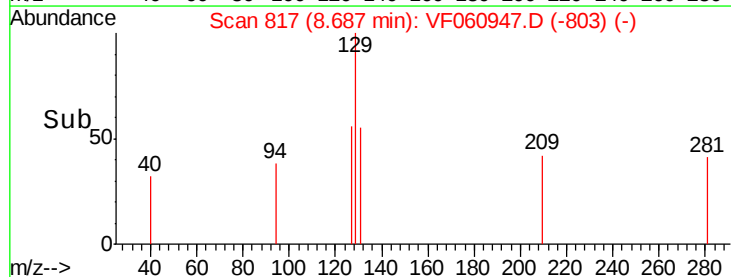
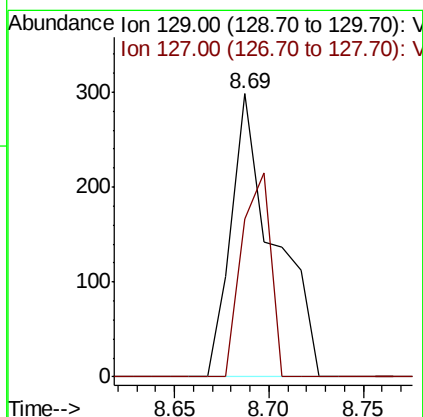
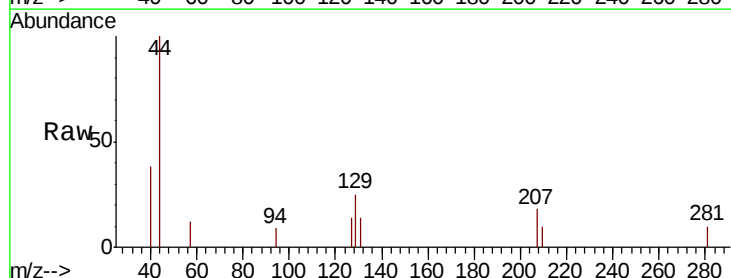
Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

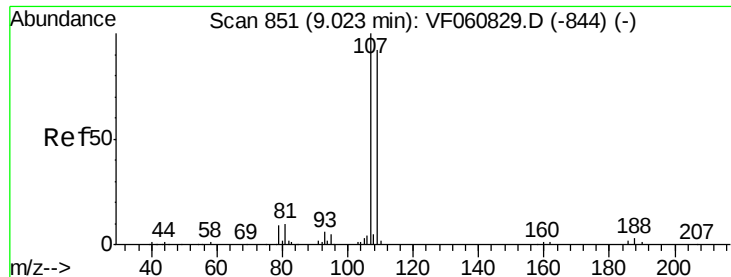
Tot Ion: 43 Resp: 357
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.6#



#60
Dibromochloromethane
Concen: 24.039 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.06 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 129 Resp: 471
Ion Ratio Lower Upper
129 100
127 56.0 37.3 111.9





#61

1,2-Dibromoethane

Concen: 15.768 ug/l

RT: 8.95 min Scan# 844

Delta R.T. -0.07 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

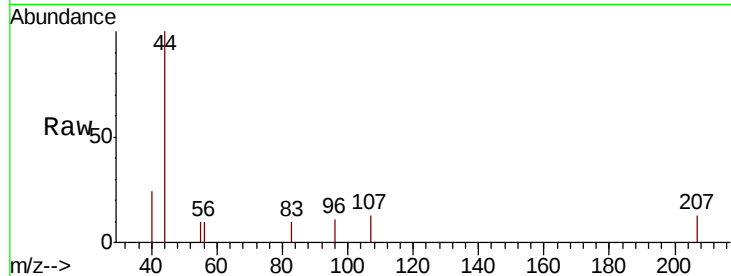
S32-0632MS

Tot Ion:107 Resp: 224

Ion Ratio Lower Upper

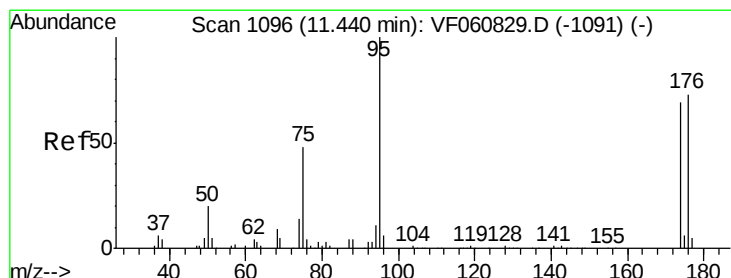
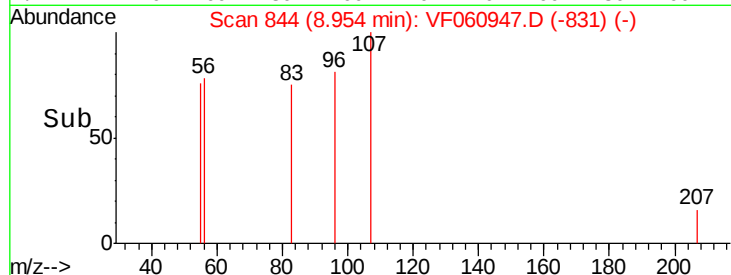
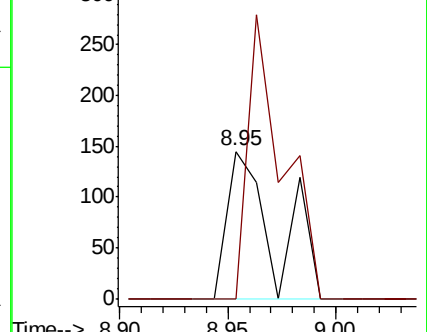
107 100

109 0.0 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: 2.837 ug/l

RT: 11.35 min Scan# 1087

Delta R.T. -0.09 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

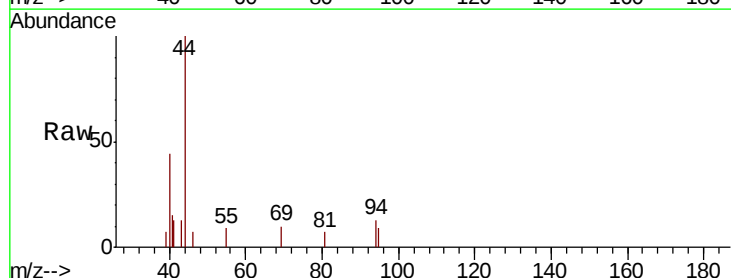
Tgt Ion: 95 Resp: 79

Ion Ratio Lower Upper

95 100

174 0.0 0.0 138.2

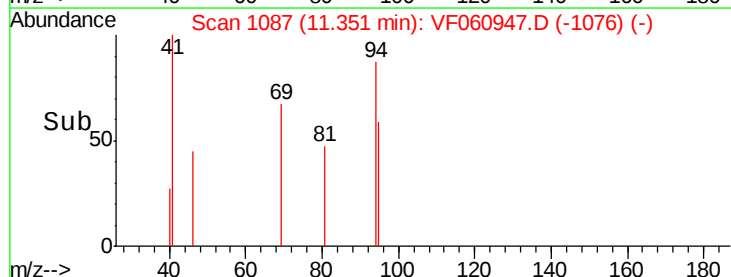
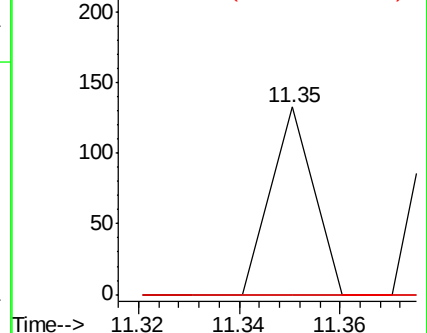
176 0.0 0.0 146.2

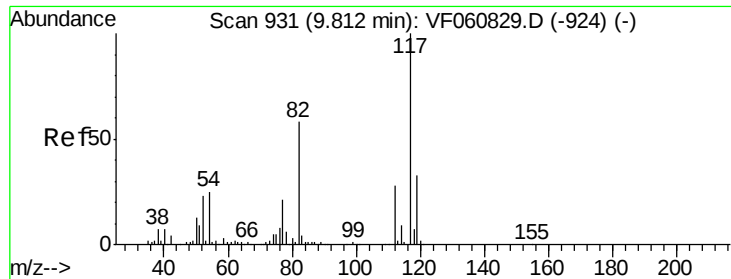


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

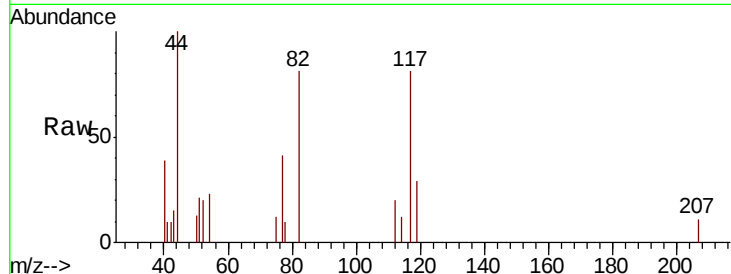




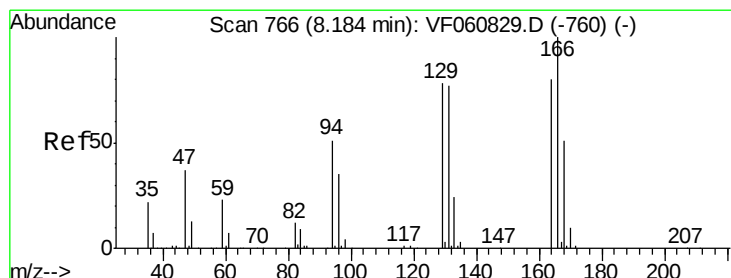
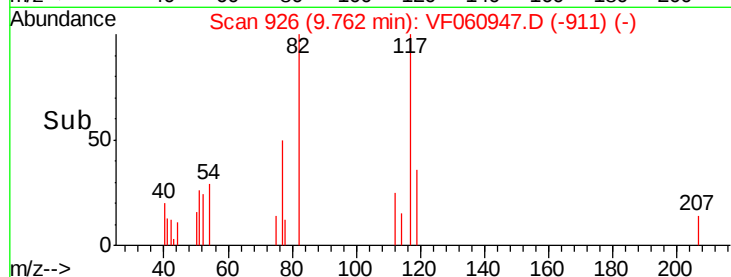
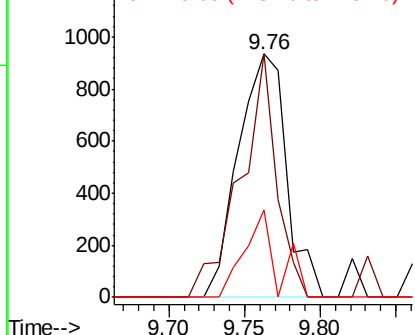
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 926
Delta R.T. -0.05 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

Tot Ion:117 Resp: 2083
Ion Ratio Lower Upper
117 100
82 99.9 46.6 69.8#
119 35.7 26.4 39.6

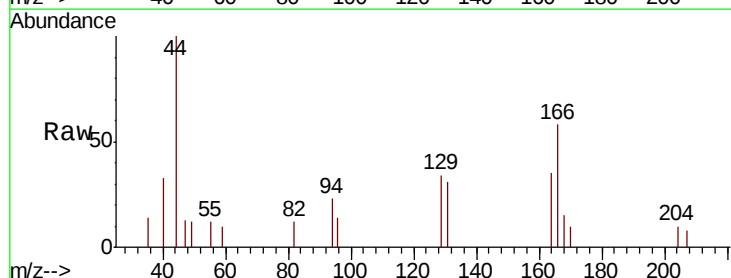


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

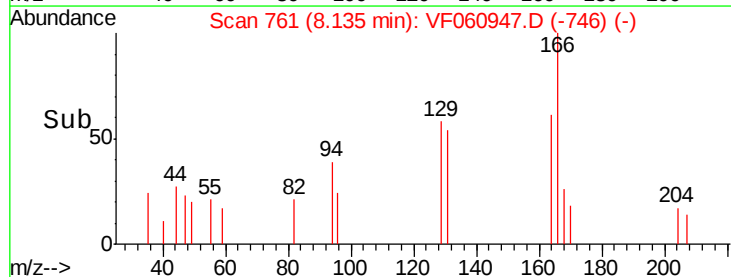
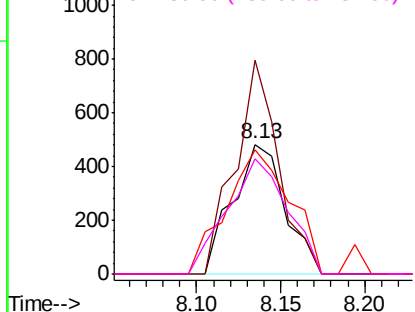


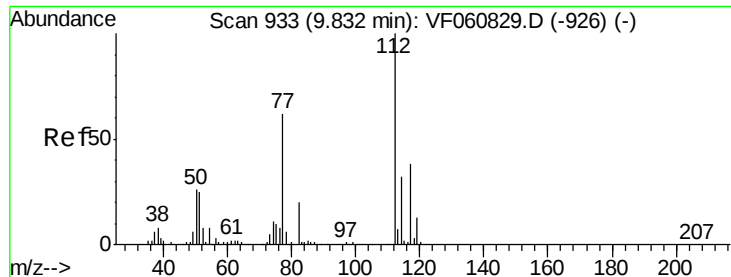
#64
Tetrachloroethene
Concen: 65.179 ug/l
RT: 8.13 min Scan# 761
Delta R.T. -0.05 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion:164 Resp: 1037
Ion Ratio Lower Upper
164 100
166 164.9 100.3 150.5#
129 95.9 77.9 116.9
131 89.0 77.5 116.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

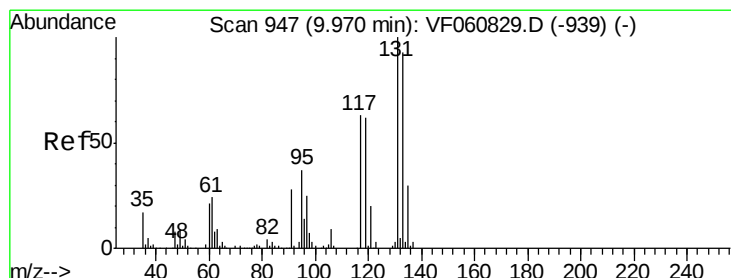
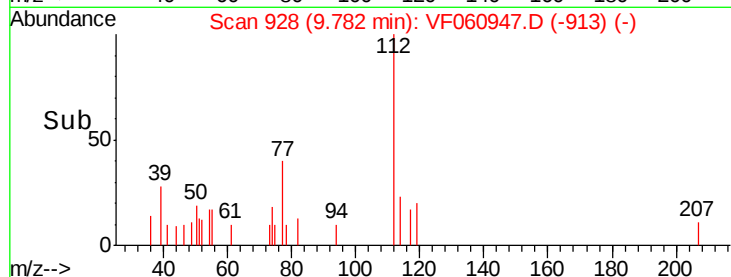
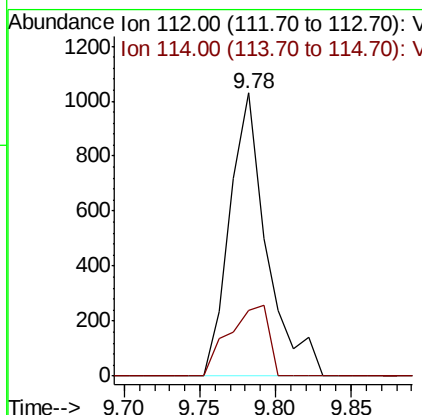
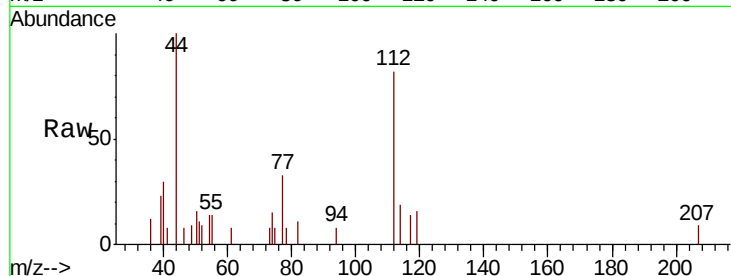




#65
Chlorobenzene
Concen: 43.309 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.05 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

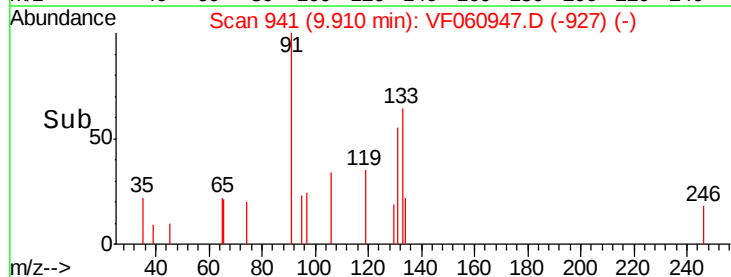
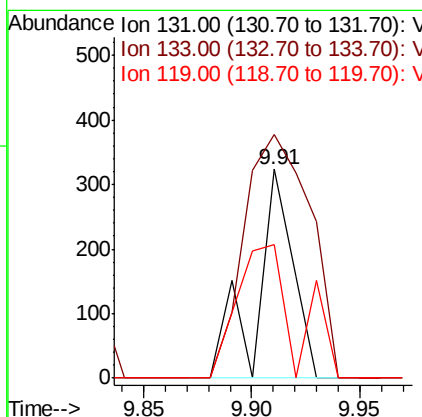
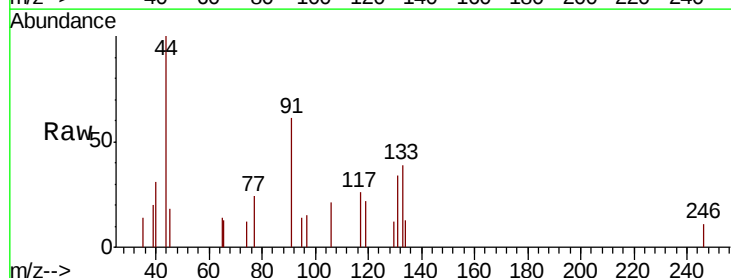
Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

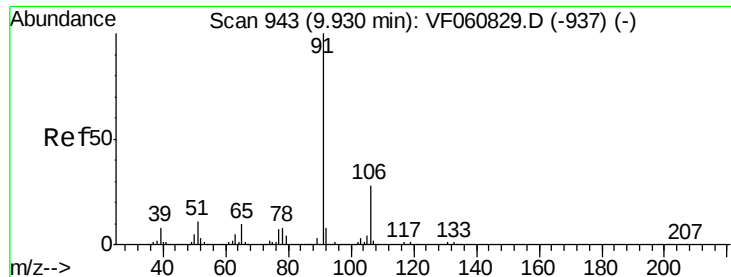
Tot Ion:112 Resp: 1755
Ion Ratio Lower Upper
112 100
114 23.1 26.0 39.0#



#66
1,1,1,2-Tetrachloroethane
Concen: 21.469 ug/l
RT: 9.91 min Scan# 941
Delta R.T. -0.06 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion:131 Resp: 374
Ion Ratio Lower Upper
131 100
133 116.7 46.5 139.3
119 64.1 31.1 93.3





#67

Ethyl Benzene

Concen: 71.911 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

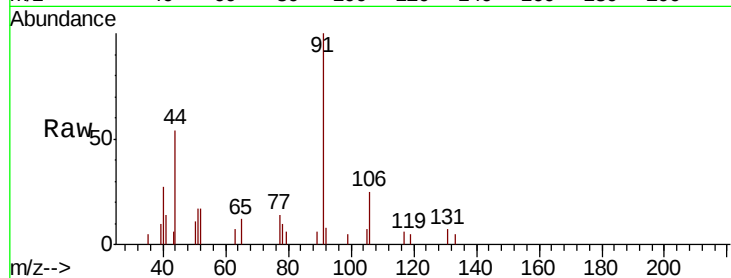
S32-0632MS

Tot Ion: 91 Resp: 5425

Ion Ratio Lower Upper

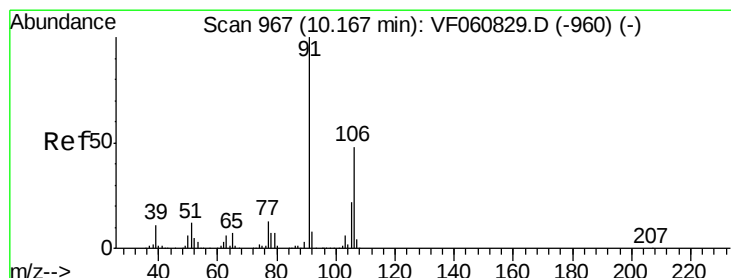
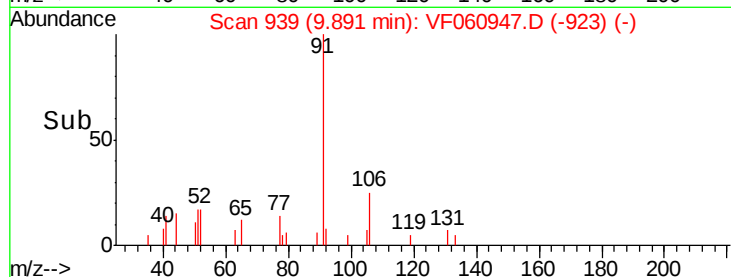
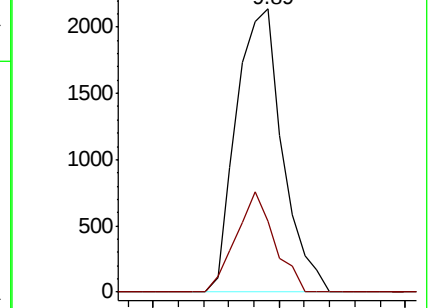
91 100

106 25.0 22.2 33.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 115.248 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.06 min

Lab File: VF060947.D

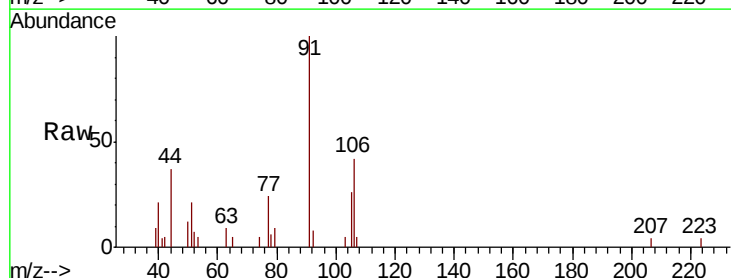
Acq: 7 Dec 2018 23:53

Tgt Ion: 106 Resp: 3127

Ion Ratio Lower Upper

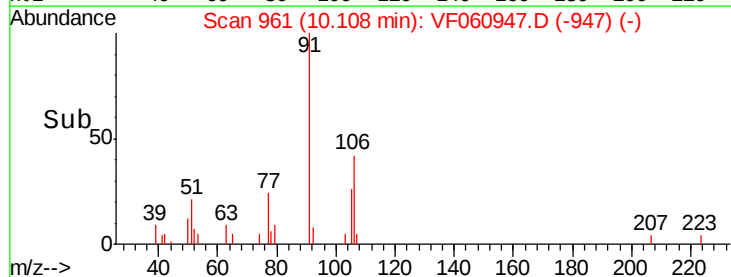
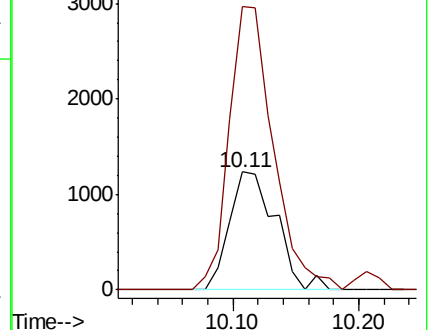
106 100

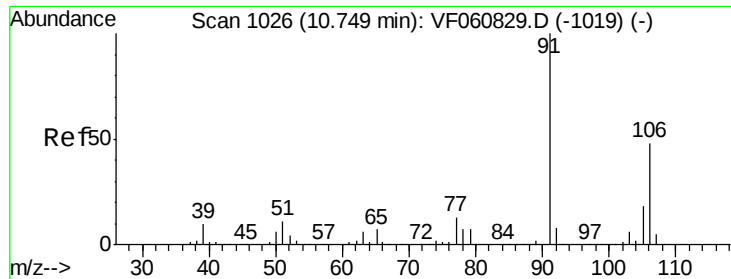
91 240.2 166.7 250.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

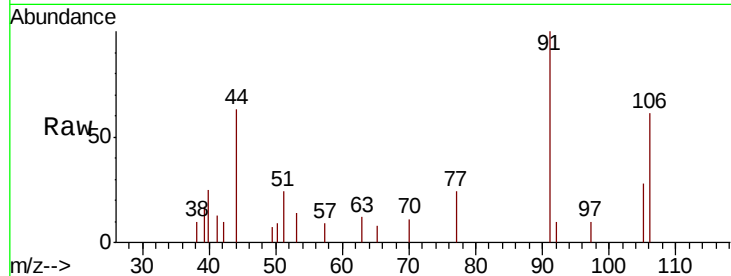




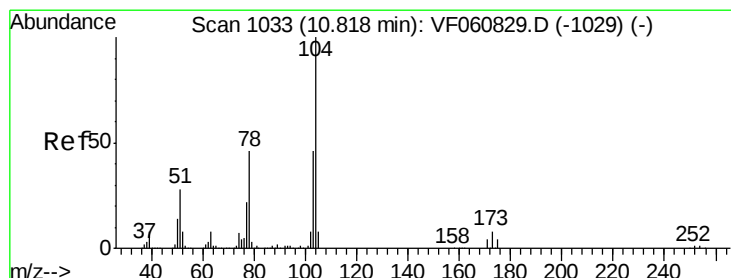
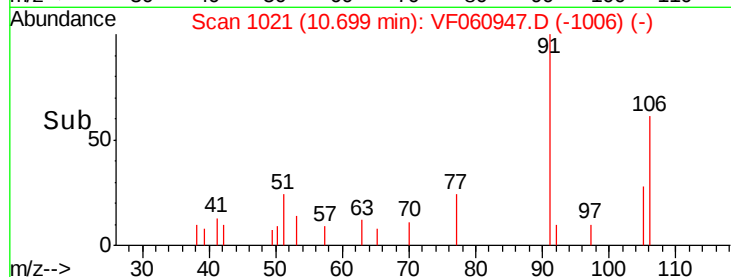
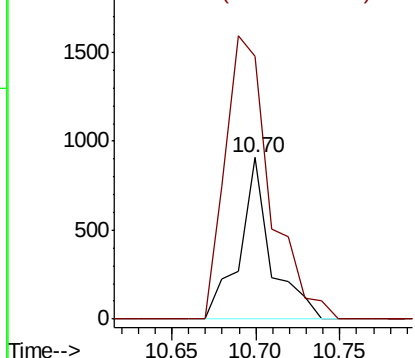
#69
o-Xylene
Concen: 38.904 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.05 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

Tot Ion:106 Resp: 1164
Ion Ratio Lower Upper
106 100
91 162.7 104.8 314.6

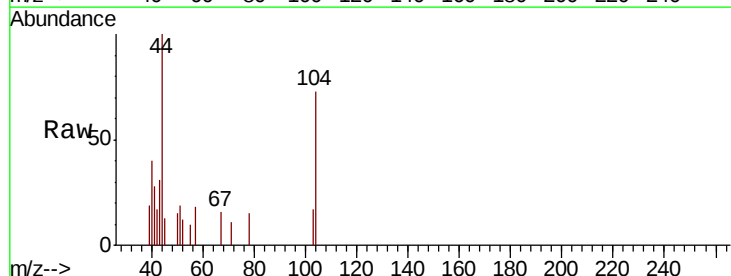


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

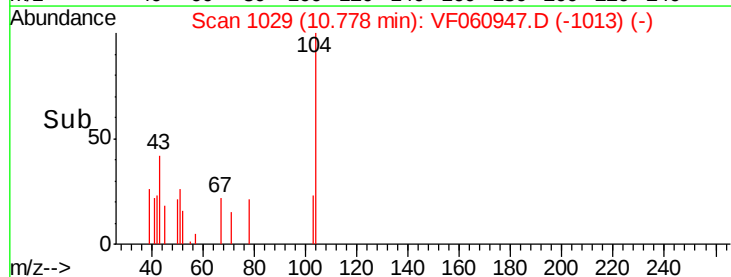
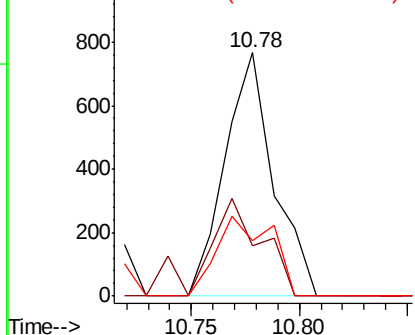


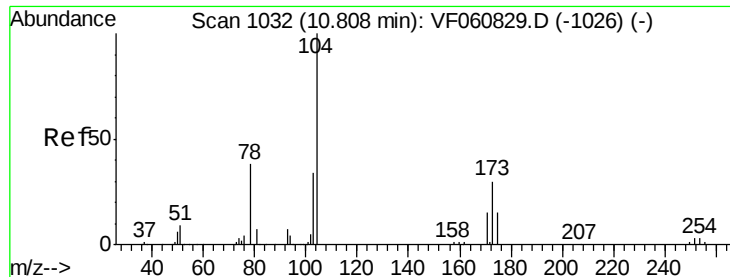
#70
Styrene
Concen: 29.102 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. -0.04 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion:104 Resp: 1207
Ion Ratio Lower Upper
104 100
78 20.7 37.3 55.9#
103 22.9 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: 8.913 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

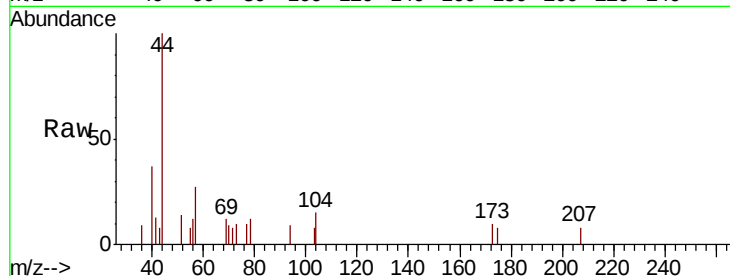
Tot Ion:173 Resp: 75

Ion Ratio Lower Upper

173 100

175 80.3 25.5 76.5#

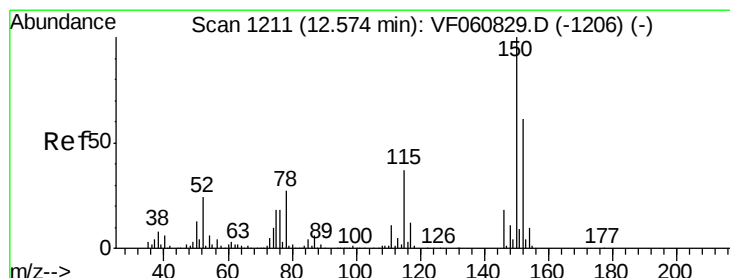
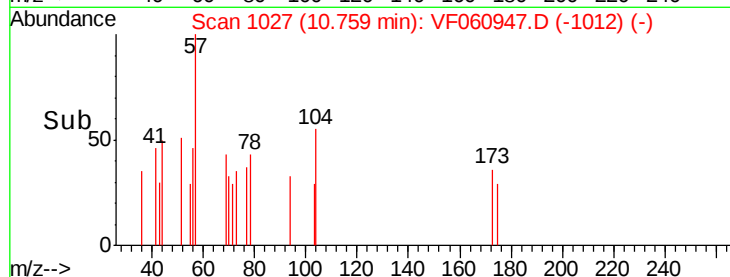
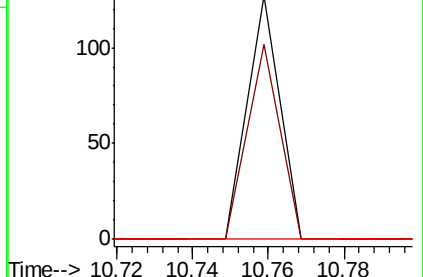
254 0.0 7.5 11.3#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.03 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

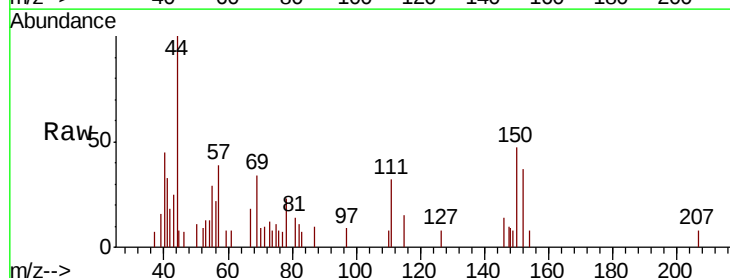
Tgt Ion:152 Resp: 747

Ion Ratio Lower Upper

152 100

115 40.8 30.1 90.5

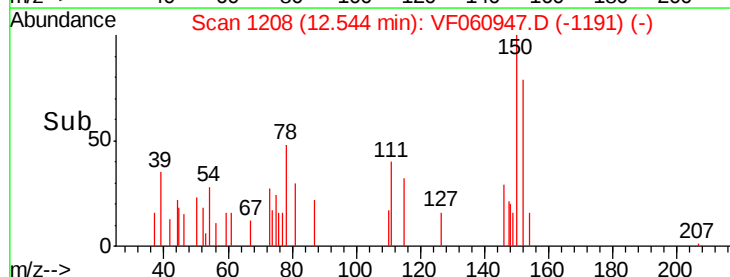
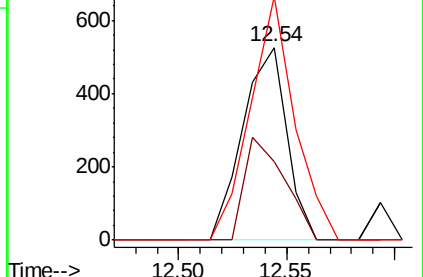
150 126.2 0.0 327.6

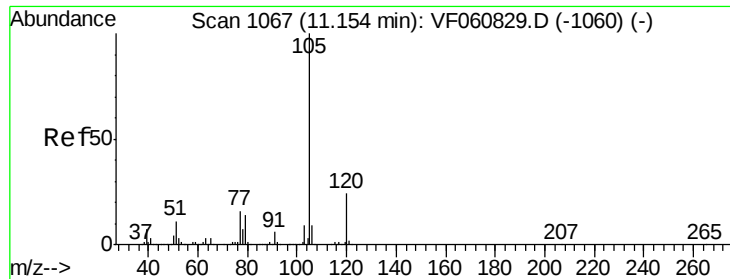


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 101.064 ug/l

RT: 11.10 min Scan# 1062

Delta R.T. -0.05 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

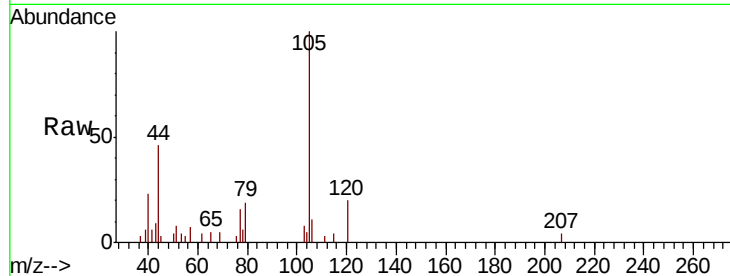
S32-0632MS

Tot Ion:105 Resp: 5966

Ion Ratio Lower Upper

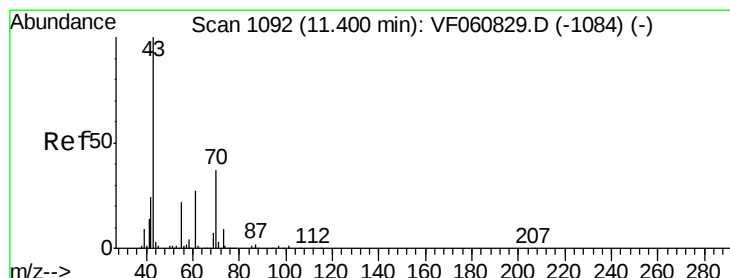
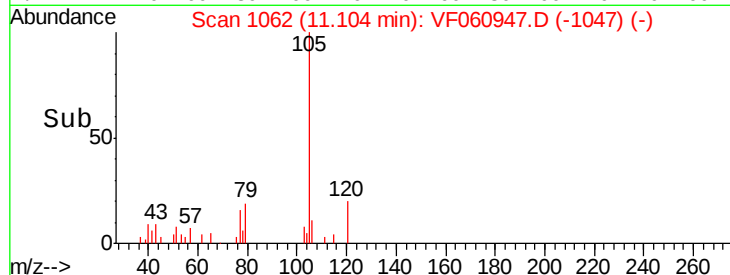
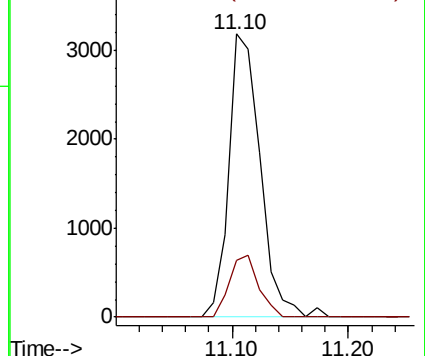
105 100

120 19.9 12.2 36.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 56.561 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Tgt Ion: 43 Resp: 771

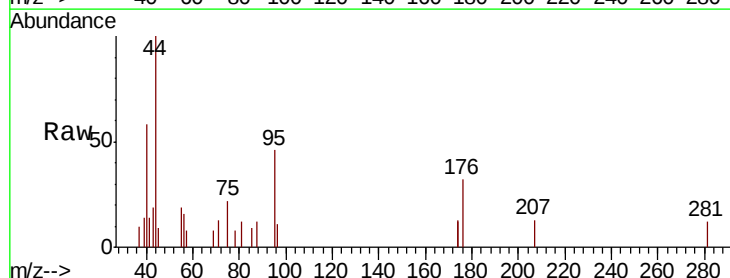
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 99.2 17.2 25.8#

61 0.0 21.8 32.6#

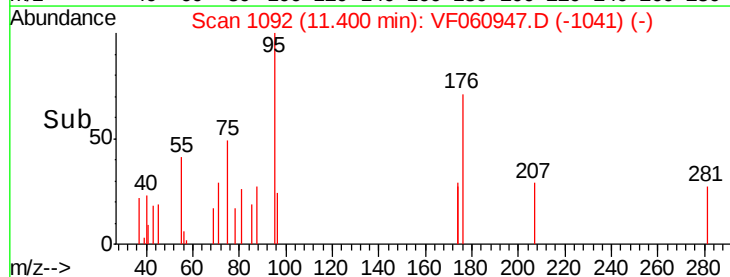
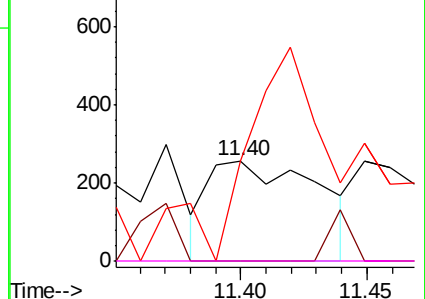


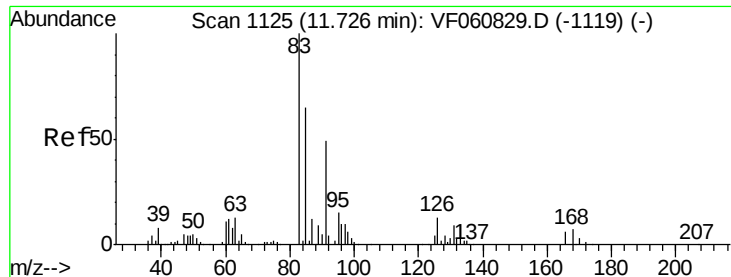
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 33.349 ug/l

RT: 11.75 min Scan# 1127

Delta R.T. 0.02 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

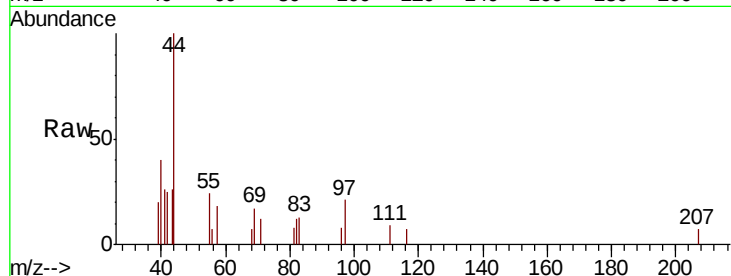
Tot Ion: 83 Resp: 324

Ion Ratio Lower Upper

83 100

131 0.0 4.7 14.1#

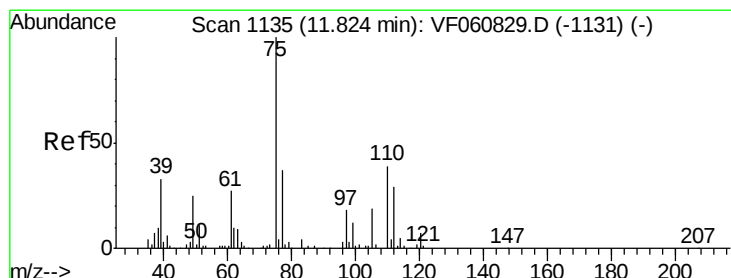
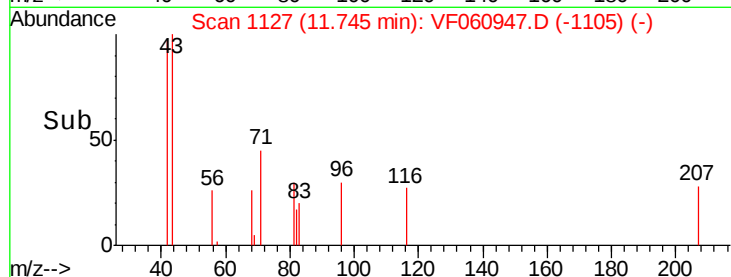
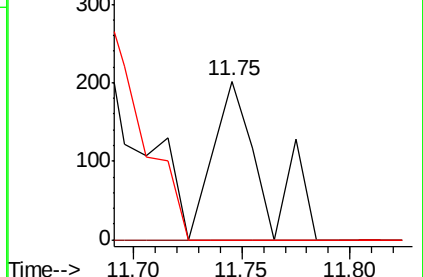
85 0.0 32.6 97.8#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 14.161 ug/l

RT: 11.86 min Scan# 1139

Delta R.T. 0.04 min

Lab File: VF060947.D

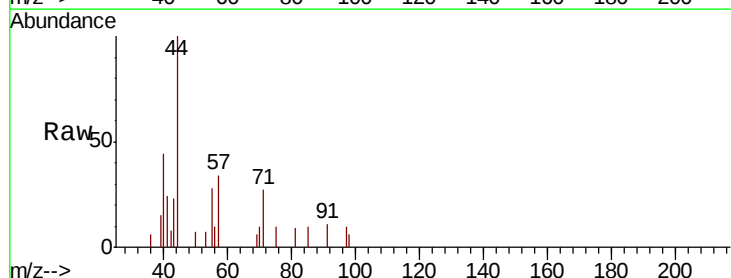
Acq: 7 Dec 2018 23:53

Tgt Ion: 75 Resp: 100

Ion Ratio Lower Upper

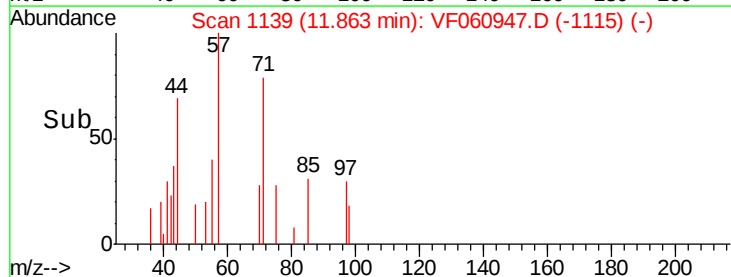
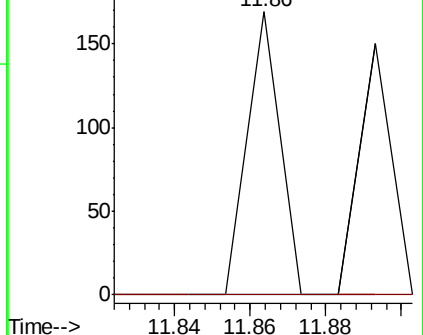
75 100

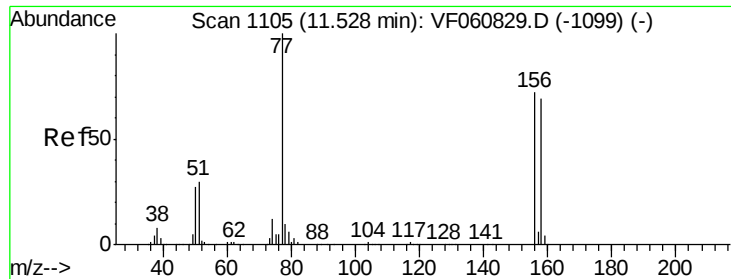
77 0.0 18.4 55.4#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

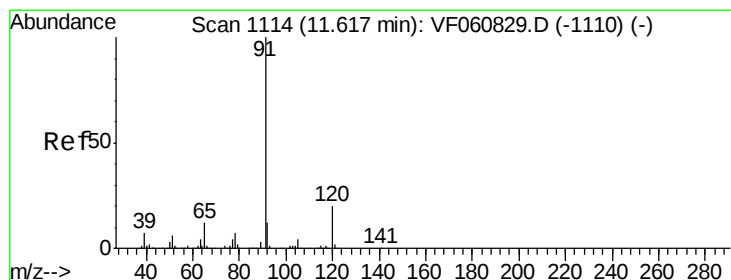
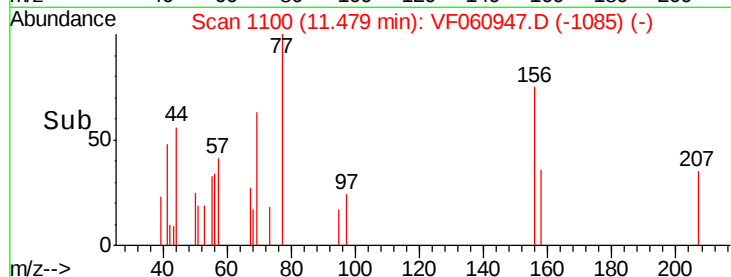
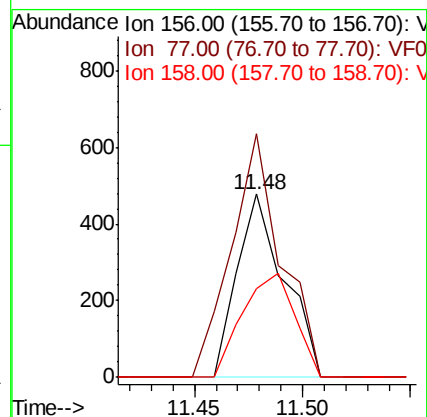
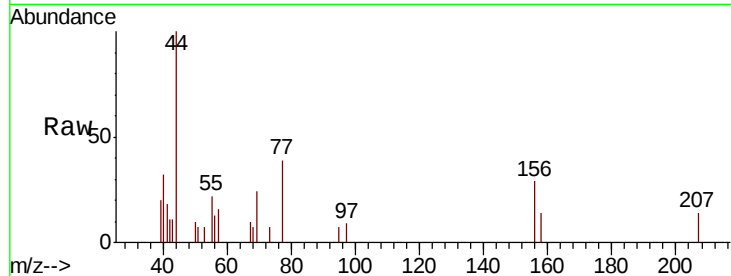




#77
Bromobenzene
Concen: 55.942 ug/l
RT: 11.48 min Scan# 1100
Delta R.T. -0.05 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

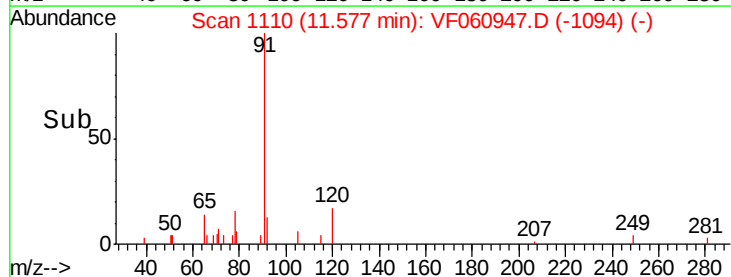
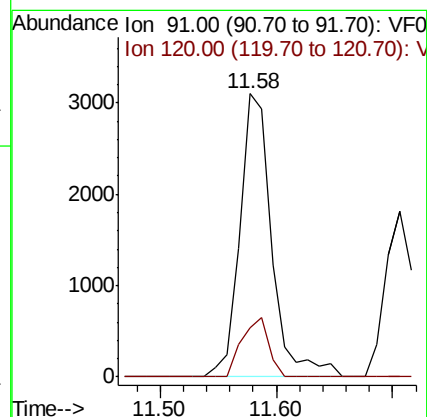
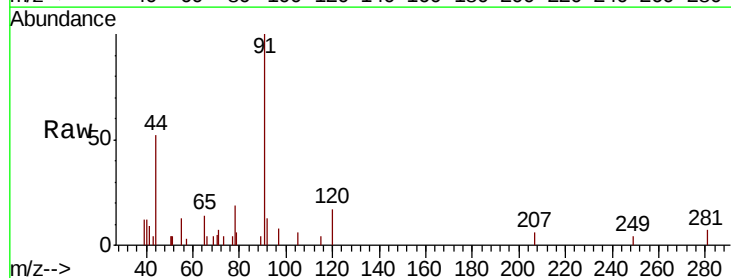
Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

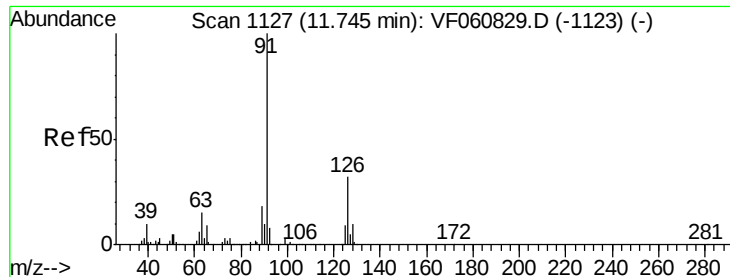
Tot Ion:156 Resp: 724
Ion Ratio Lower Upper
156 100
77 133.1 69.7 209.0
158 48.4 47.8 143.4



#78
n-propylbenzene
Concen: 85.085 ug/l
RT: 11.58 min Scan# 1110
Delta R.T. -0.04 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 91 Resp: 5882
Ion Ratio Lower Upper
91 100
120 17.4 10.3 30.8

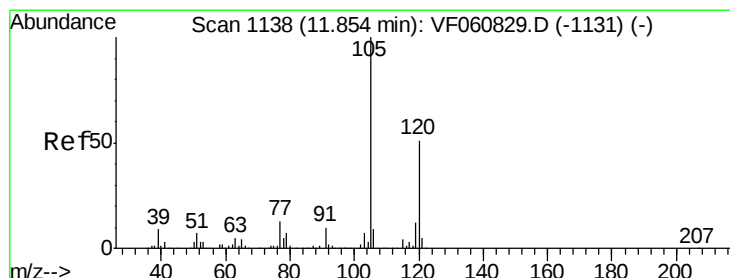
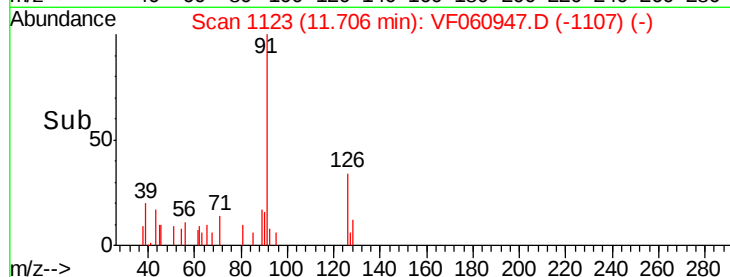
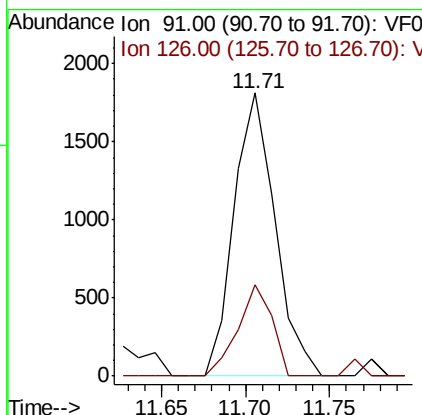
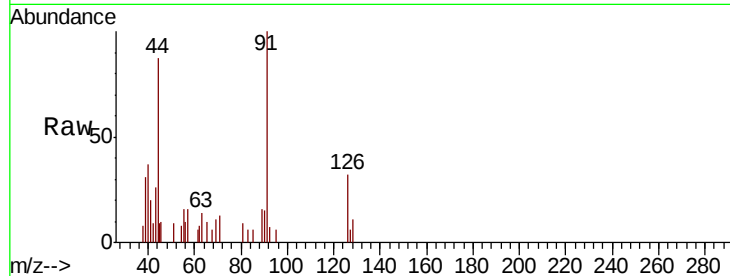




#79
 2-Chlorotoluene
 Concen: 77.727 ug/l
 RT: 11.71 min Scan# 1123
 Delta R.T. -0.04 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

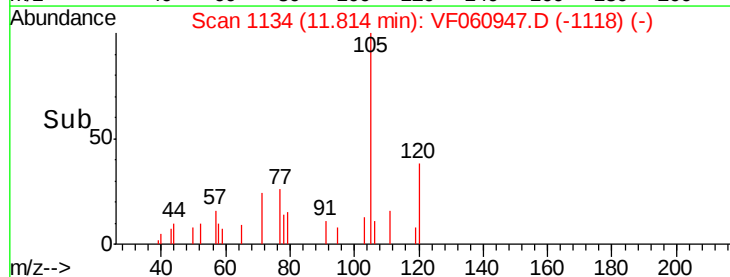
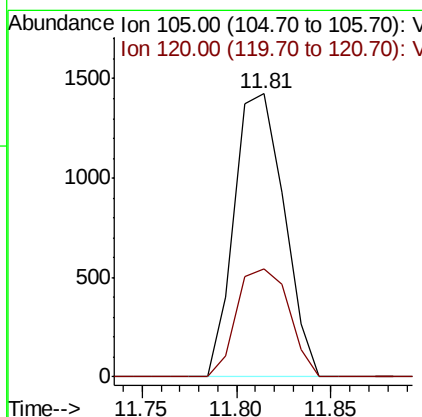
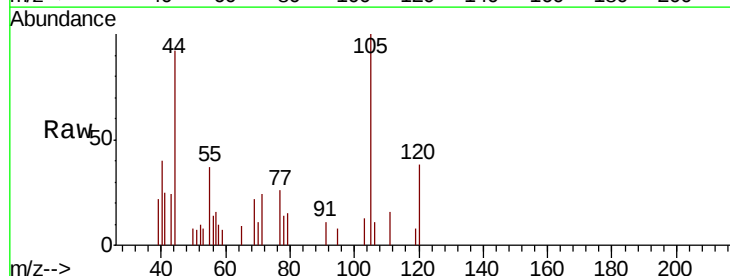
Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MS

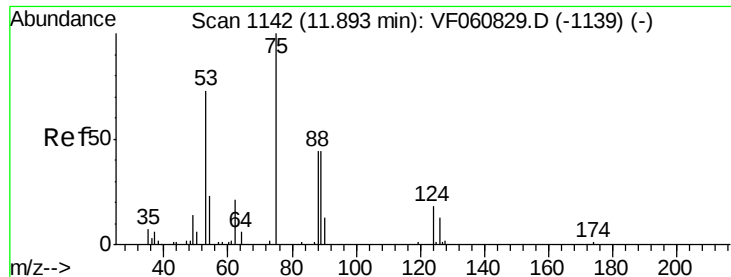
Tot Ion: 91 Resp: 3081
 Ion Ratio Lower Upper
 91 100
 126 32.1 15.9 47.6



#80
 1,3,5-Trimethylbenzene
 Concen: 54.254 ug/l
 RT: 11.81 min Scan# 1134
 Delta R.T. -0.04 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

Tgt Ion: 105 Resp: 2600
 Ion Ratio Lower Upper
 105 100
 120 38.3 25.8 77.3

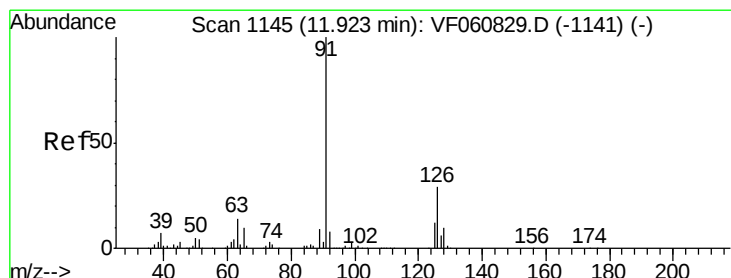
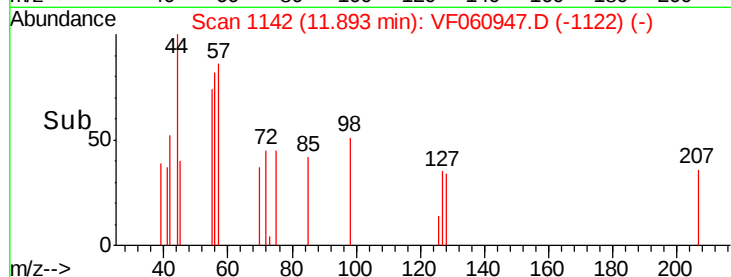
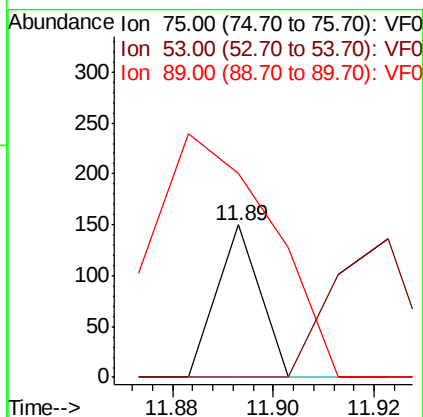
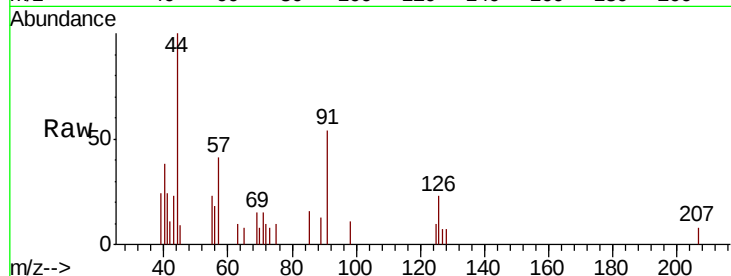




#81
trans-1,4-Dichloro-2-butene
Concen: 25.723 ug/l
RT: 11.89 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

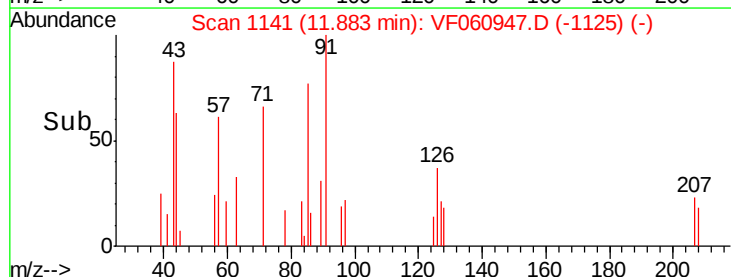
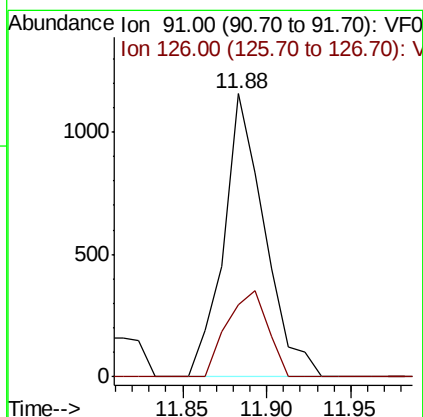
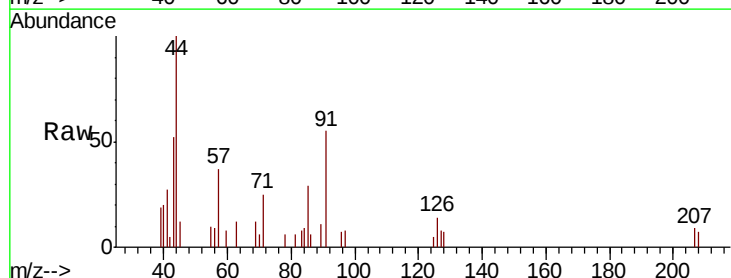
Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

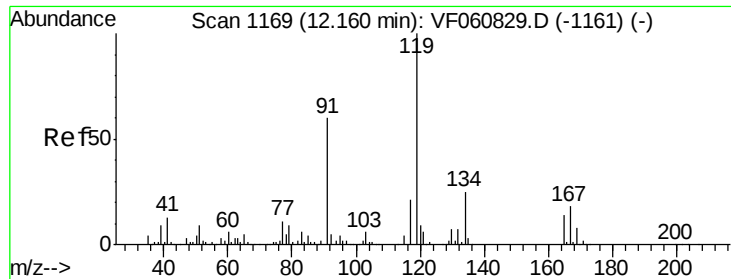
Tot Ion: 75 Resp: 89
Ion Ratio Lower Upper
75 100
53 0.0 65.9 98.9#
89 133.3 38.8 58.2#



#82
4-Chlorotoluene
Concen: 46.770 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.04 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion: 91 Resp: 1951
Ion Ratio Lower Upper
91 100
126 25.3 14.8 44.4

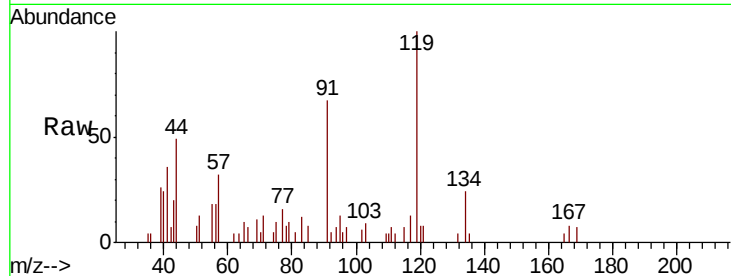




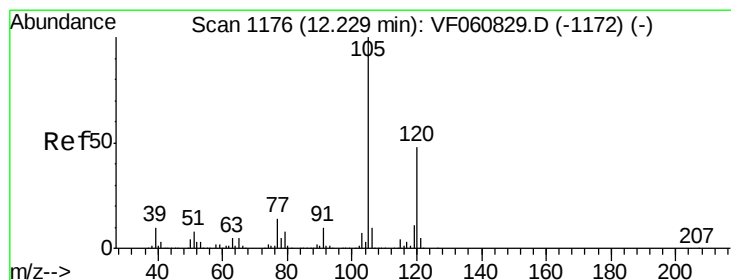
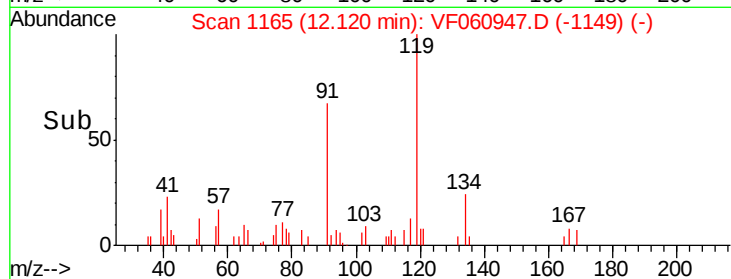
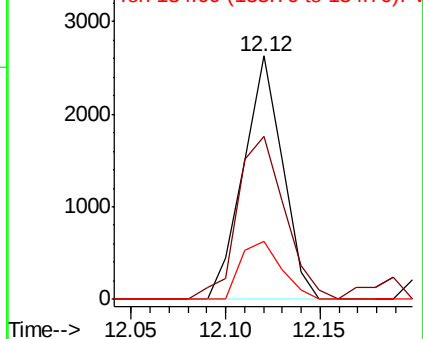
#83
tert-Butylbenzene
Concen: 77.495 ug/l
RT: 12.12 min Scan# 1165
Delta R.T. -0.04 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Instrument :
MSVOA_F
ClientSampleId :
S32-0632MS

Tot Ion:119 Resp: 3783
Ion Ratio Lower Upper
119 100
91 67.1 30.1 90.3
134 23.8 12.6 37.8

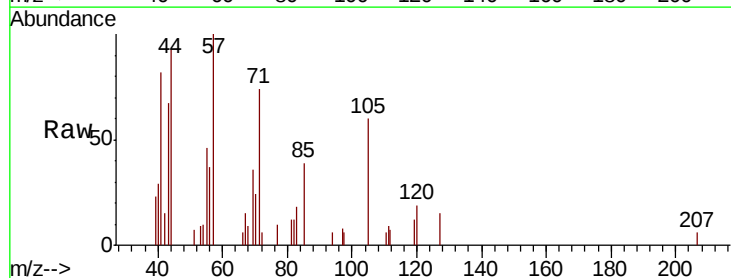


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

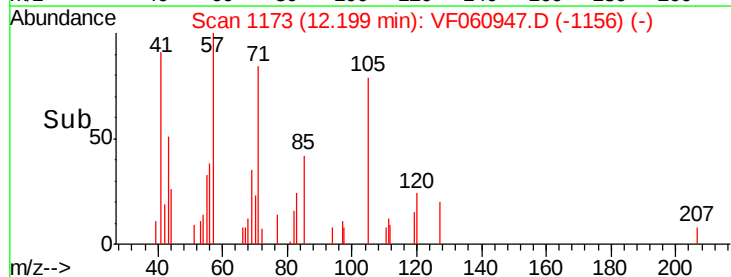
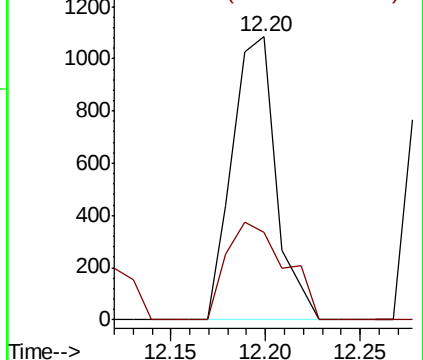


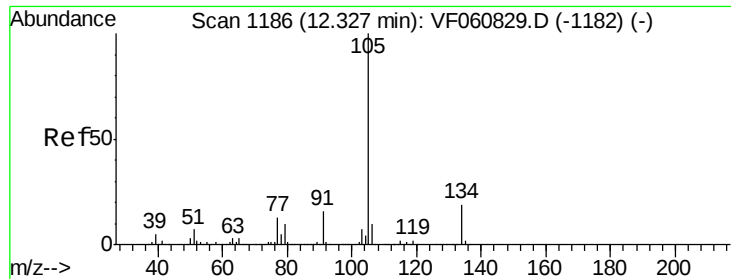
#84
1,2,4-Trimethylbenzene
Concen: 36.401 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.03 min
Lab File: VF060947.D
Acq: 7 Dec 2018 23:53

Tgt Ion:105 Resp: 1741
Ion Ratio Lower Upper
105 100
120 30.7 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: 76.886 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.03 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

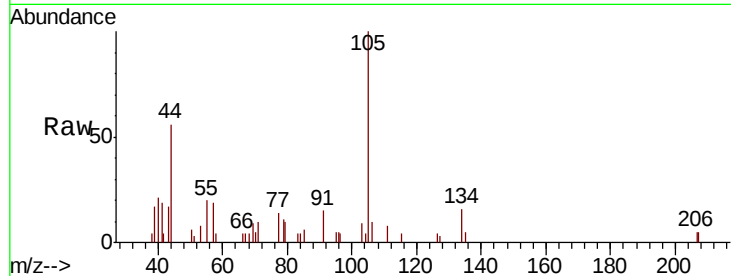
S32-0632MS

Tot Ion:105 Resp: 5138

Ion Ratio Lower Upper

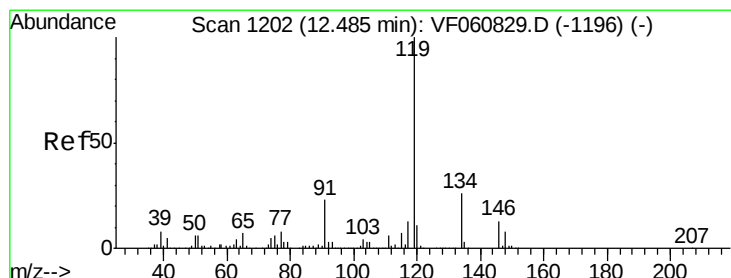
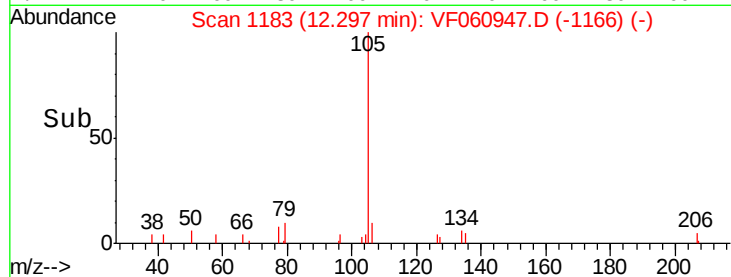
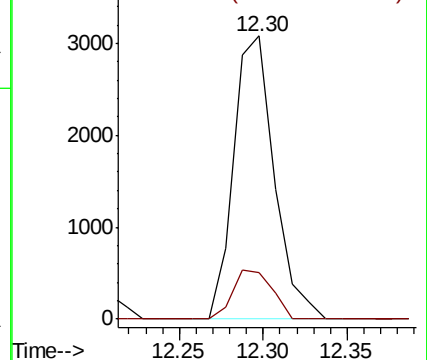
105 100

134 16.5 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: 52.779 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.04 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

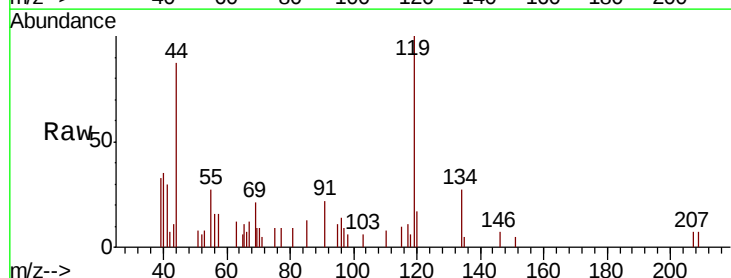
Tgt Ion:119 Resp: 2957

Ion Ratio Lower Upper

119 100

134 26.8 12.9 38.6

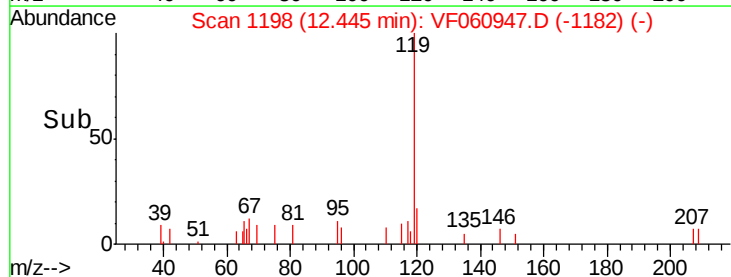
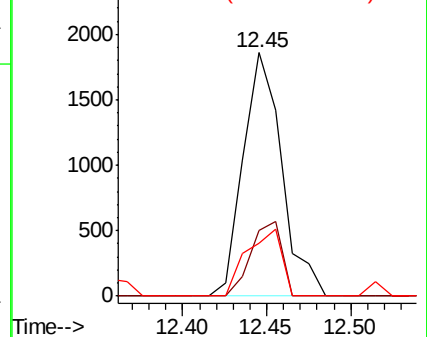
91 21.6 11.8 35.3

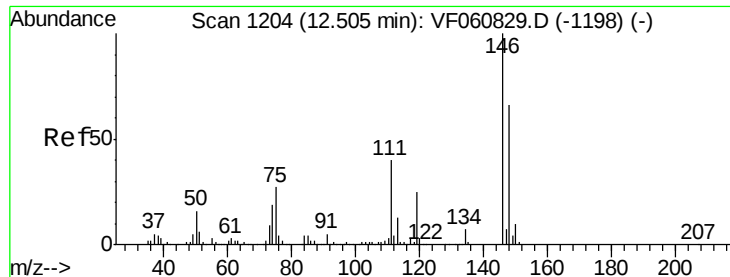


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

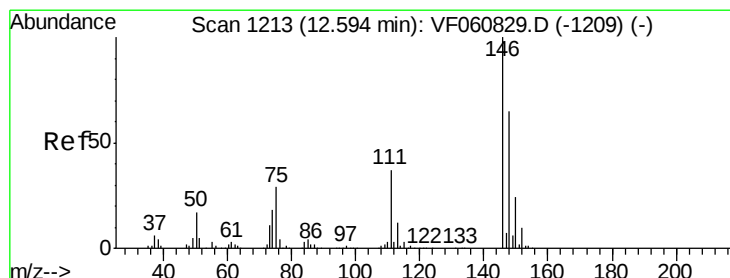
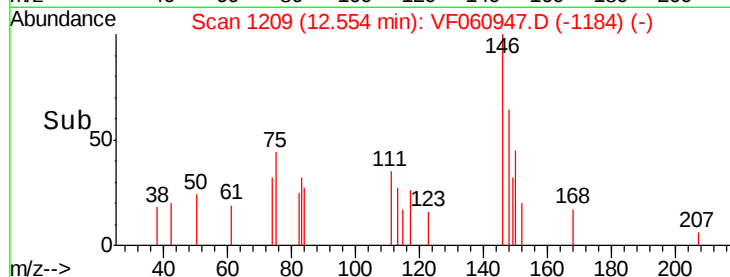
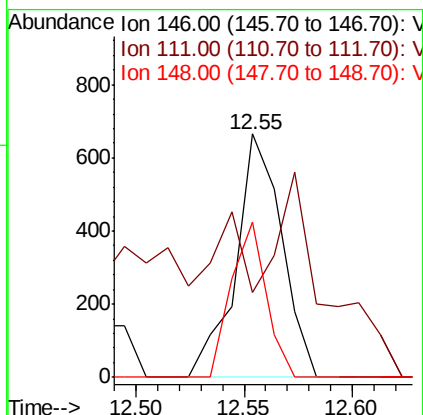
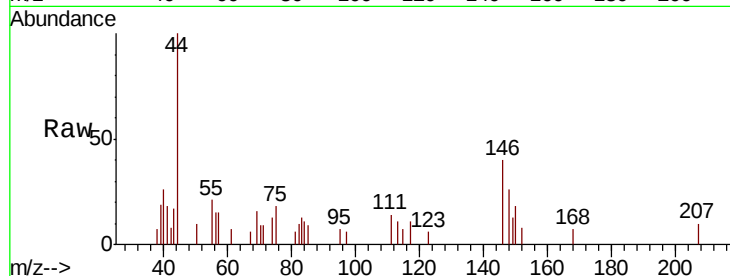




#87
 1,3-Dichlorobenzene
 Concen: 40.215 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. 0.05 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

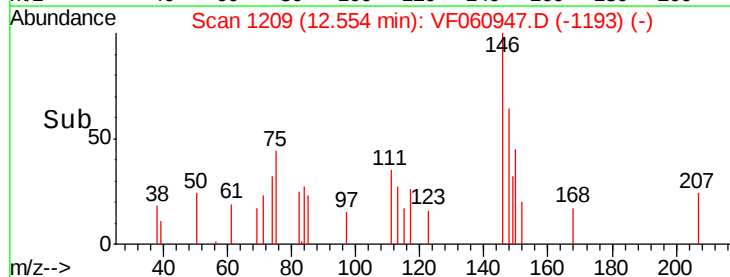
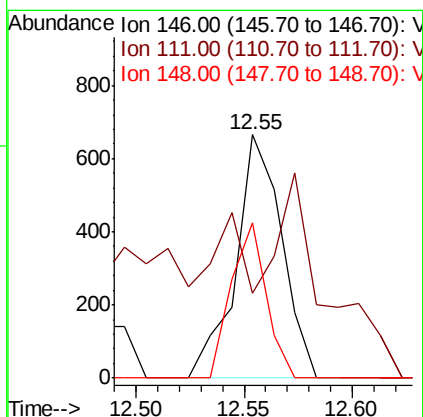
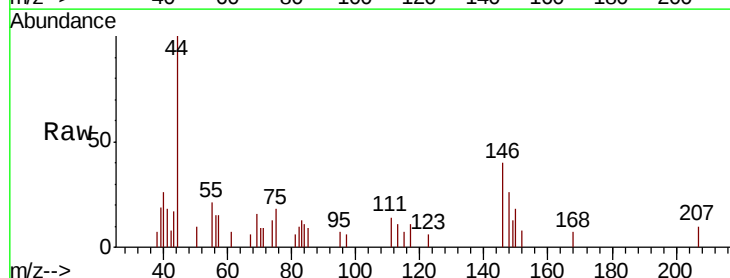
Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MS

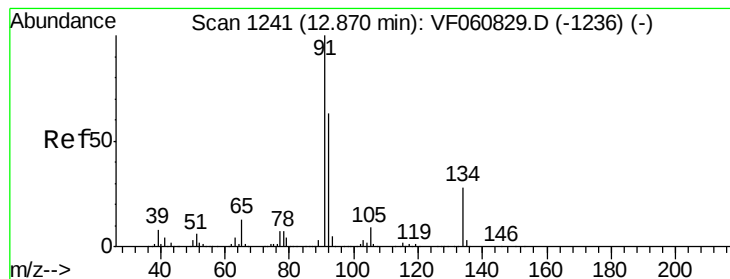
Tot Ion	Ratio	Lower	Upper
146	100		
111	34.8	20.0	59.9
148	63.7	32.9	98.6



#88
 1,4-Dichlorobenzene
 Concen: 41.266 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.04 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.8	18.9	56.7
148	63.7	32.3	96.9





#89

n-Butylbenzene

Concen: 28.878 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.03 min

Lab File: VF060947.D

Acq: 7 Dec 2018 23:53

Instrument :

MSVOA_F

ClientSampleId :

S32-0632MS

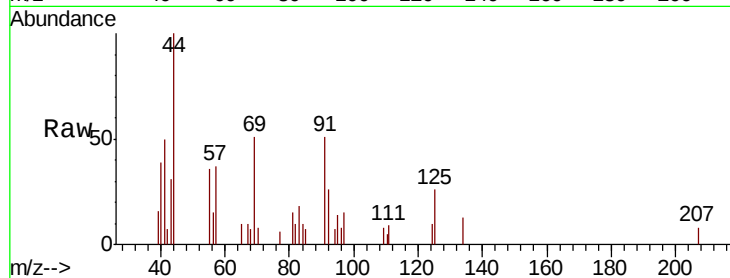
Tot Ion: 91 Resp: 1636

Ion Ratio Lower Upper

91 100

92 50.9 31.6 94.7

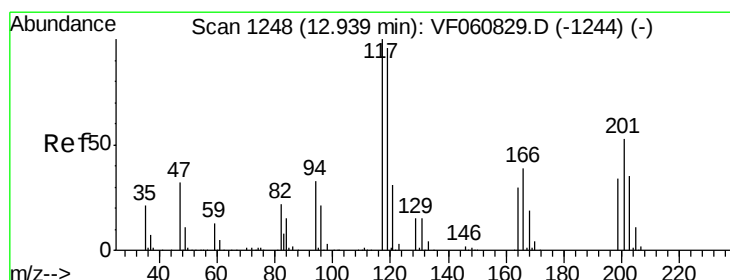
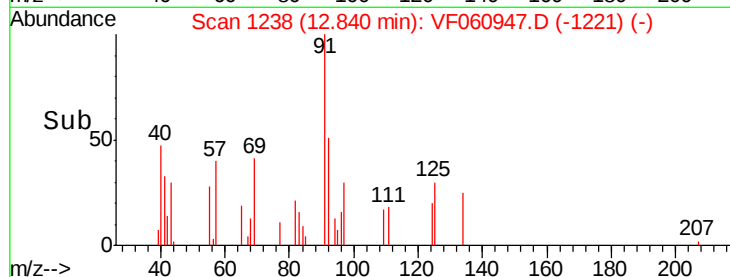
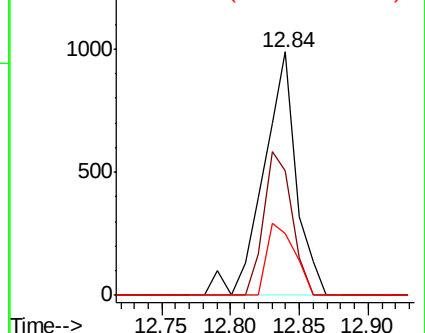
134 25.2 13.8 41.4



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: 59.372 ug/l

RT: 12.90 min Scan# 1244

Delta R.T. -0.04 min

Lab File: VF060947.D

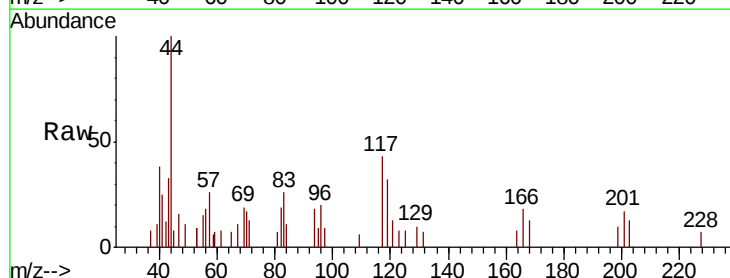
Acq: 7 Dec 2018 23:53

Tgt Ion: 117 Resp: 801

Ion Ratio Lower Upper

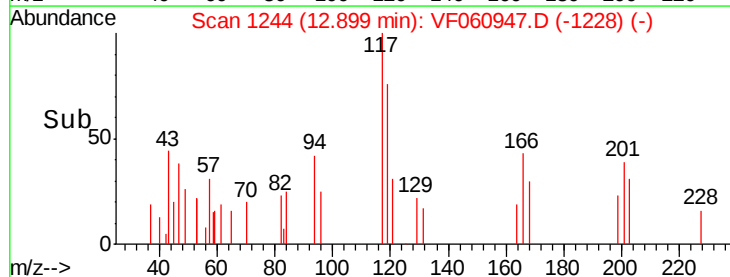
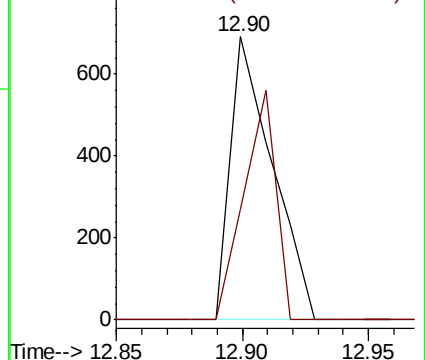
117 100

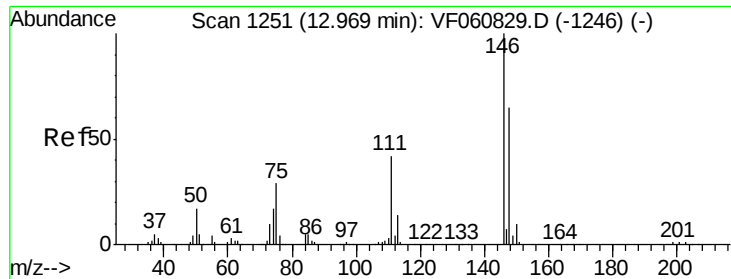
201 39.2 26.7 80.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

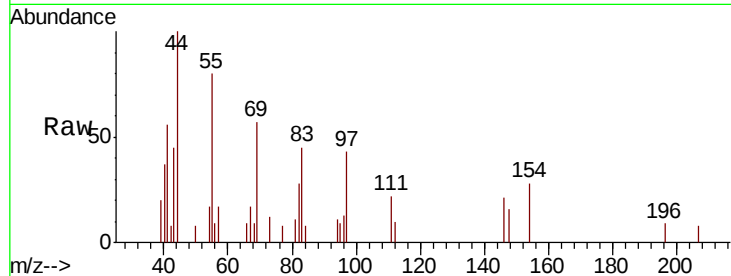




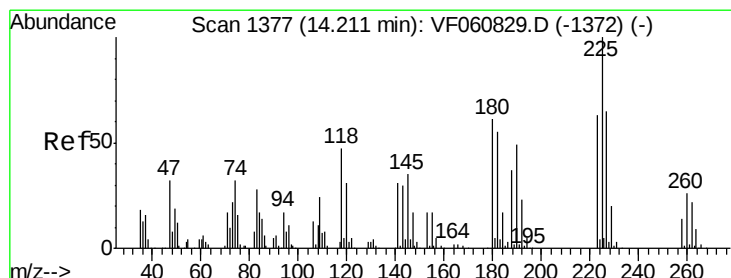
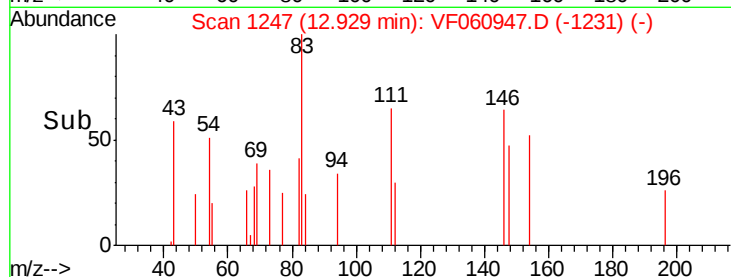
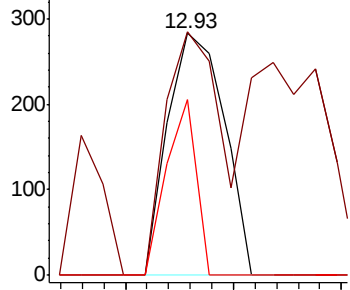
#91
 1,2-Dichlorobenzene
 Concen: 22.091 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.04 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

Instrument :
 MSVOA_F
 ClientSampleId :
 S32-0632MS

Tot Ion:146 Resp: 515
 Ion Ratio Lower Upper
 146 100
 111 100.7 21.2 63.6#
 148 72.8 32.5 97.5

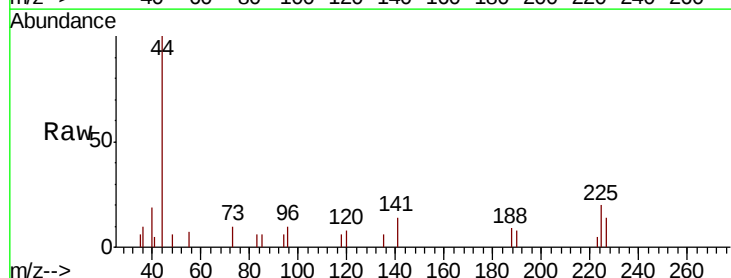


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V



#94
 Hexachlorobutadiene
 Concen: 40.520 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.04 min
 Lab File: VF060947.D
 Acq: 7 Dec 2018 23:53

Tgt Ion:225 Resp: 440
 Ion Ratio Lower Upper
 225 100
 223 24.8 31.4 94.3#
 227 0.0 32.5 97.5#



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

