

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF112918\
 Data File : VF060882.D
 Acq On : 29 Nov 2018 22:33
 Operator : VA/AP
 Sample : J6139-01
 Misc : 6.66µ/5mL/MSVOA-F/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483

Quant Time: Nov 30 06:01:17 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	4.88	168	4573	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.61	114	6711	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.78	117	3927	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.57	152	1201	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.85	65	744	13.81	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	27.62%	
35) Dibromofluoromethane	4.11	113	1489	27.97	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	55.94%	
50) Toluene-d8	7.55	98	6622	42.22	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	84.44%	
62) 4-Bromofluorobenzene	11.42	95	1821	25.55	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	51.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.95	85	70	1.024	ug/l #	41
3) Chloromethane	1.10	50	178	4.001	ug/l #	41
4) Vinyl Chloride	1.10	62	5965	143.727	ug/l	99
5) Bromomethane	1.47	94	413	14.113	ug/l	92
6) Chloroethane	1.53	64	62	3.456	ug/l #	1
8) Diethyl Ether	1.59	74	60	4.686	ug/l #	1
11) Tert butyl alcohol	2.52	59	65	29.434	ug/l #	1
12) 1,1-Dichloroethene	1.81	96	125	3.452	ug/l #	1
13) Acrolein	1.96	56	683	326.433	ug/l	97
14) Allyl chloride	2.11	41	681	15.089	ug/l #	71
15) Acrylonitrile	2.93	53	233	47.062	ug/l #	11
16) Acetone	2.26	43	262	26.374	ug/l #	65
17) Carbon Disulfide	1.75	76	234	2.410	ug/l #	1
18) Methyl Acetate	2.36	43	276	15.418	ug/l #	61
20) Methylene Chloride	2.28	84	76	2.085	ug/l #	1
21) trans-1,2-Dichloroethene	2.31	96	2557	73.248	ug/l	99
22) Diisopropyl ether	2.82	45	427	3.476	ug/l #	8
23) Vinyl Acetate	3.21	43	504	8.975	ug/l #	80
24) 1,1-Dichloroethane	2.88	63	247	3.379	ug/l #	86
25) 2-Butanone	4.37	43	237	13.793	ug/l #	57
26) 2,2-Dichloropropane	3.64	77	99	2.089	ug/l #	60
27) cis-1,2-Dichloroethene	3.49	96	9876	173.777	ug/l	71
29) Tetrahydrofuran	4.11	42	216	29.656	ug/l #	37
37) Ethyl Acetate	4.11	43	191	6.314	ug/l #	14
39) Methylcyclohexane	5.46	83	91	1.167	ug/l #	62
41) Methacrylonitrile	4.74	41	400	23.483	ug/l #	51
42) 1,2-Dichloroethane	4.86	62	63	1.049	ug/l	76
43) Isopropyl Acetate	6.93	43	236	3.811	ug/l #	49
44) Trichloroethene	5.51	130	221	4.110	ug/l	1
47) Bromodichloromethane	6.44	83	94	1.222	ug/l #	25
48) Methyl methacrylate	6.77	41	302	11.030	ug/l #	53
51) 4-Methyl-2-Pentanone	8.22	43	547	19.610	ug/l #	38
56) Ethyl methacrylate	8.49	69	86	2.300	ug/l #	58
58) 2-Chloroethyl Vinyl ether	7.18	63	81	21.180	ug/l #	46

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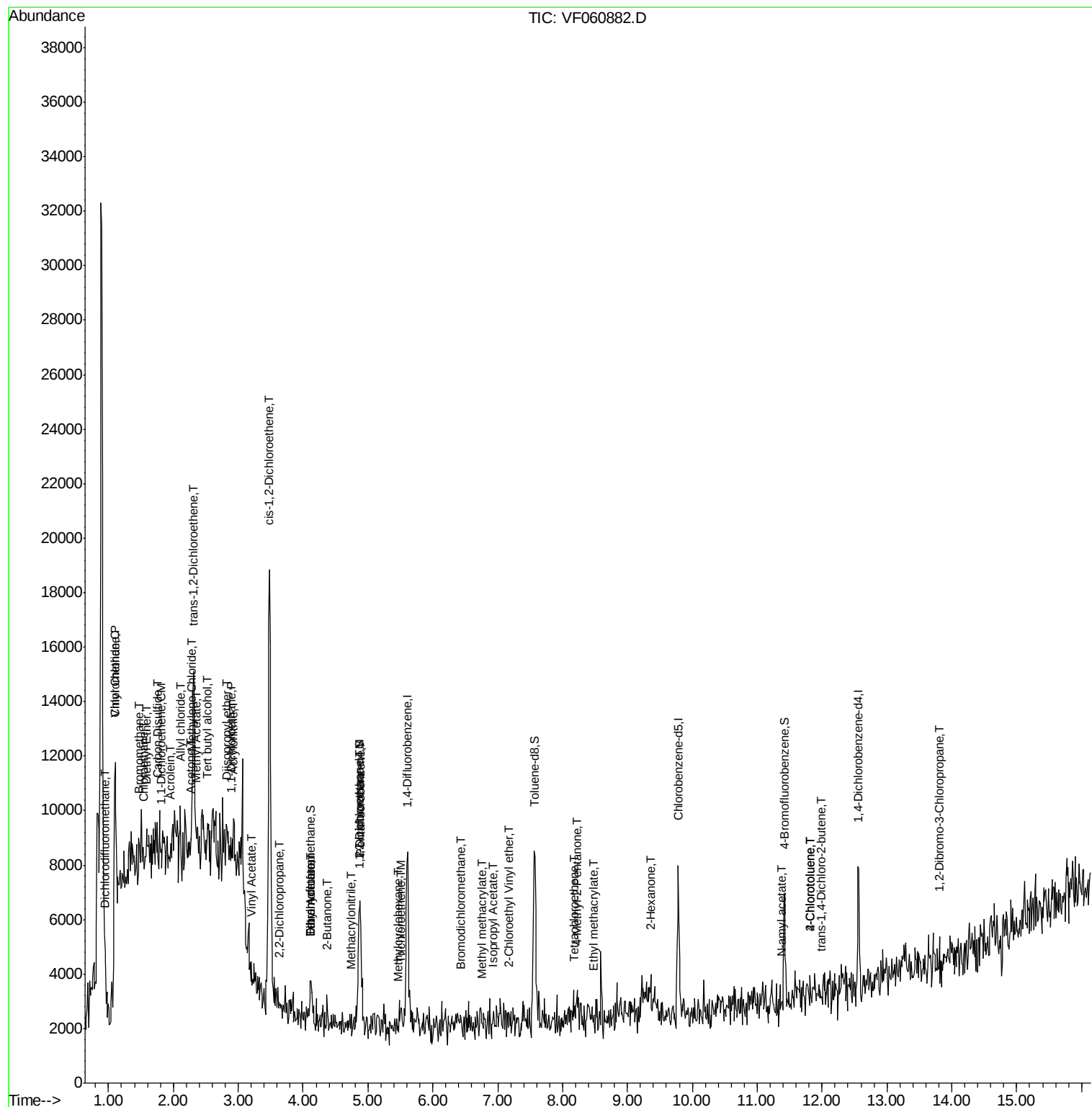
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 2-Hexanone	9.36	43	429	21.922	ug/l	72
64) Tetrachloroethene	8.19	164	219	7.301	ug/l #	27
74) N-amyl acetate	11.38	43	405	18.480	ug/l #	44
79) 2-Chlorotoluene	11.83	91	73	1.145	ug/l #	43
81) trans-1,4-Dichloro-2-buten	11.99	75	61	10.966	ug/l #	16
82) 4-Chlorotoluene	11.83	91	73	1.088	ug/l #	45
92) 1,2-Dibromo-3-Chloropropan	13.80	75	89	29.471	ug/l #	1

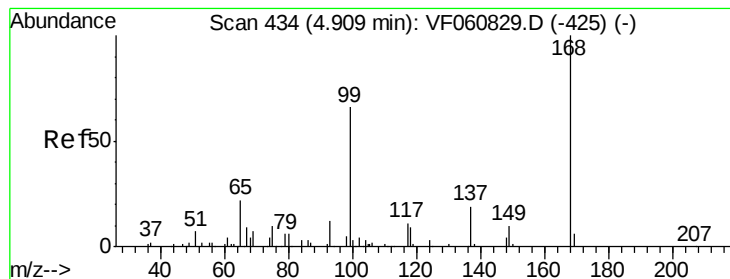
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. -0.03 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

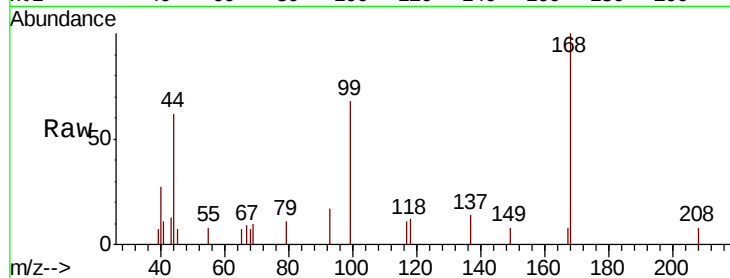
S49-0483

Tot Ion:168 Resp: 4573

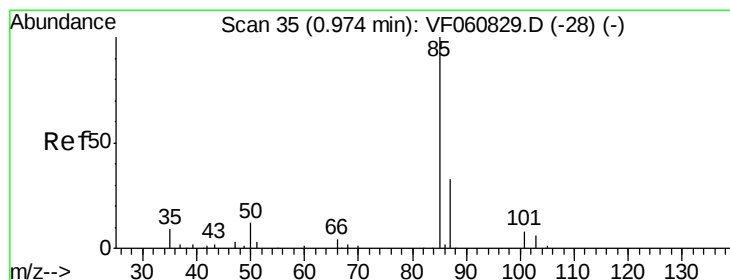
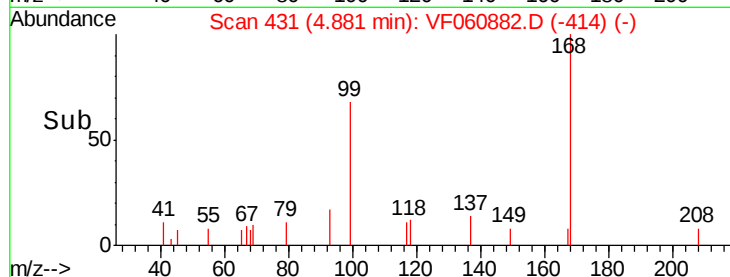
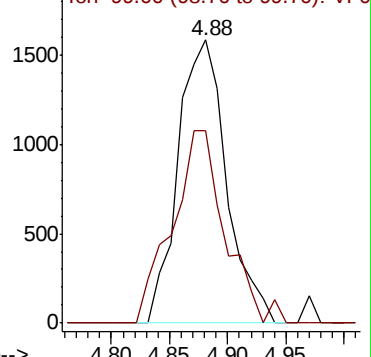
Ion Ratio Lower Upper

168 100

99 68.0 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 1.024 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.02 min

Lab File: VF060882.D

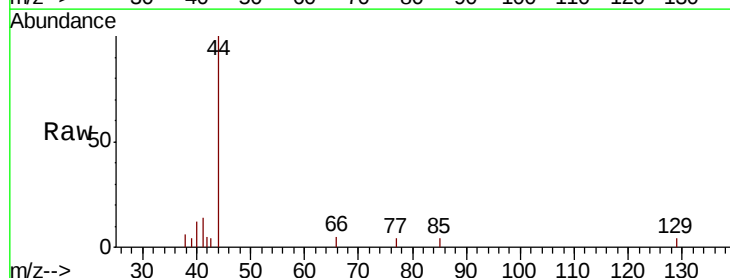
Acq: 29 Nov 2018 22:33

Tgt Ion: 85 Resp: 70

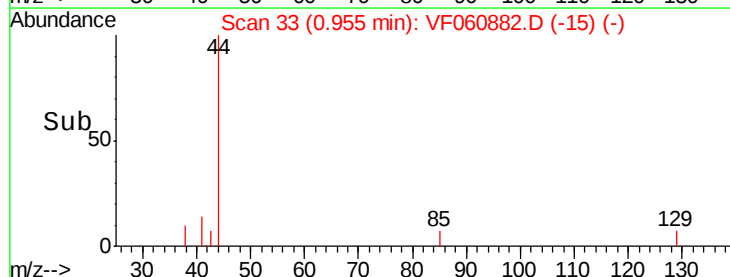
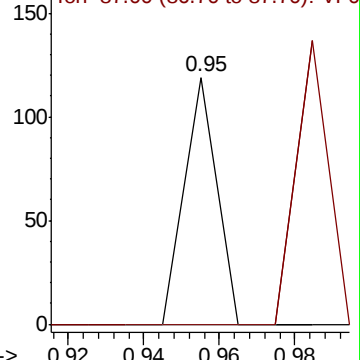
Ion Ratio Lower Upper

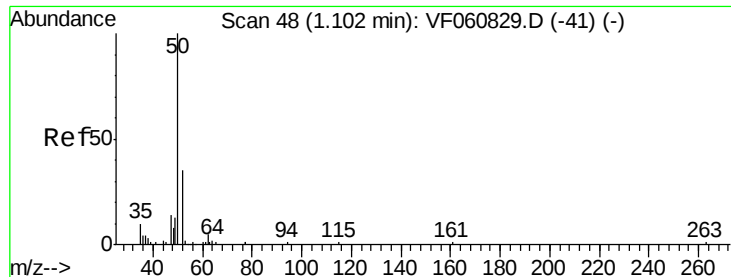
85 100

87 0.0 16.7 50.0#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 4.001 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

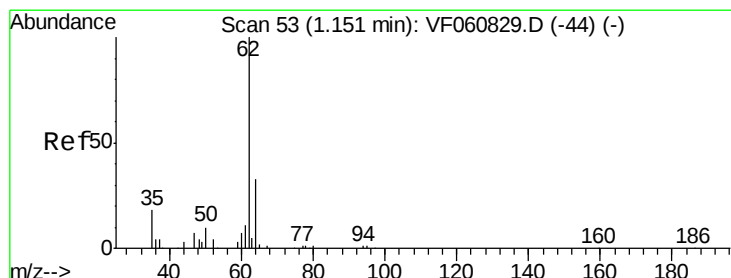
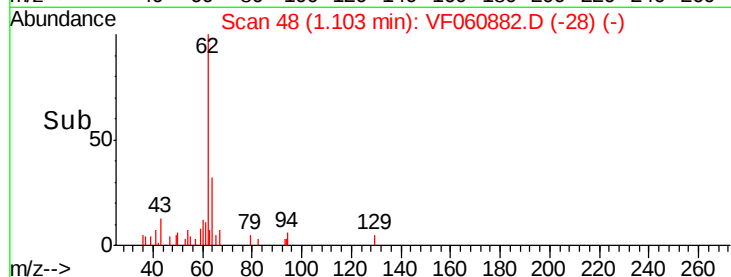
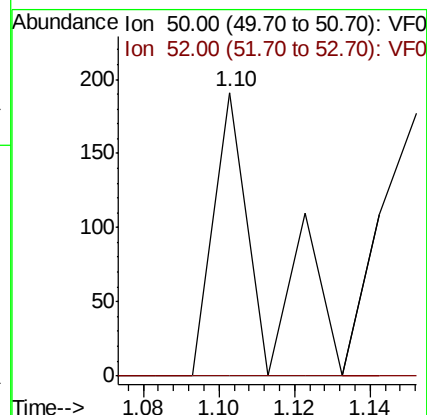
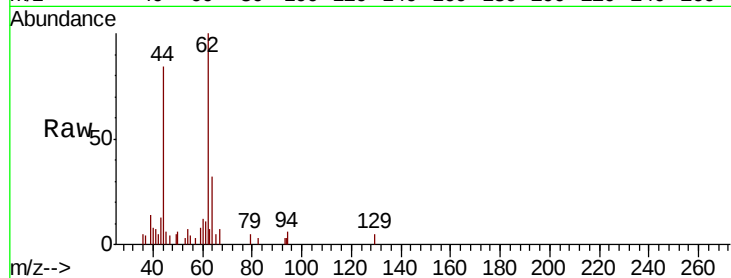
S49-0483

Tot Ion: 50 Resp: 178

Ion Ratio Lower Upper

50 100

52 0.0 27.0 40.4#



#4

Vinyl Chloride

Concen: 143.727 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.05 min

Lab File: VF060882.D

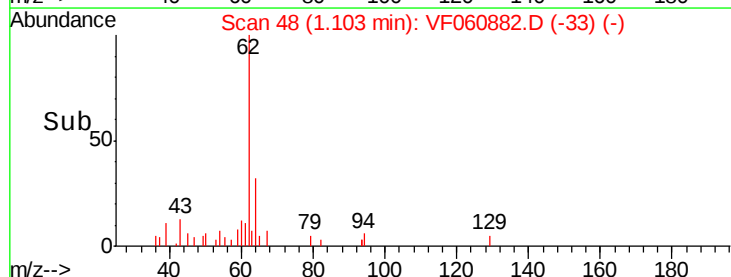
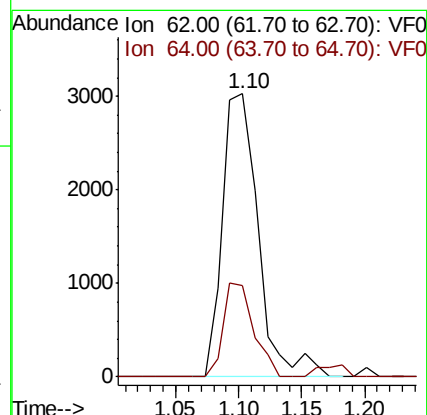
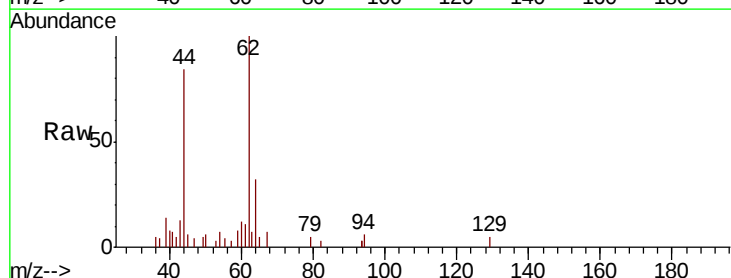
Acq: 29 Nov 2018 22:33

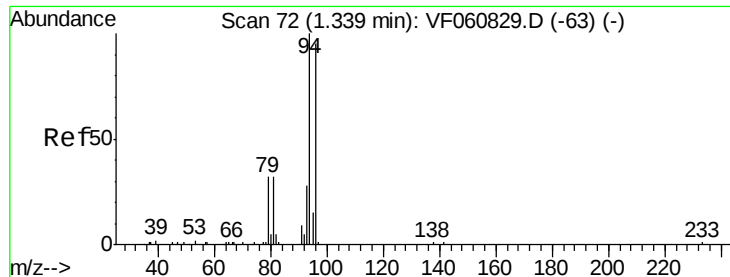
Tgt Ion: 62 Resp: 5965

Ion Ratio Lower Upper

62 100

64 32.3 26.4 39.6





#5

Bromomethane

Concen: 14.113 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.13 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

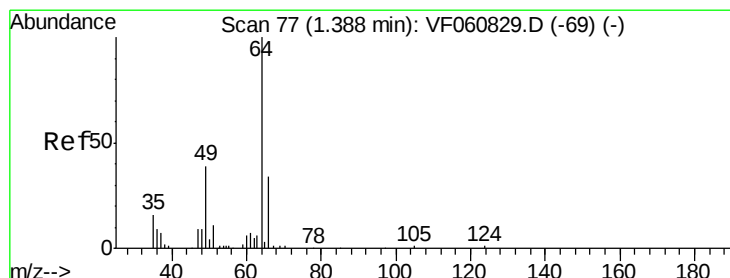
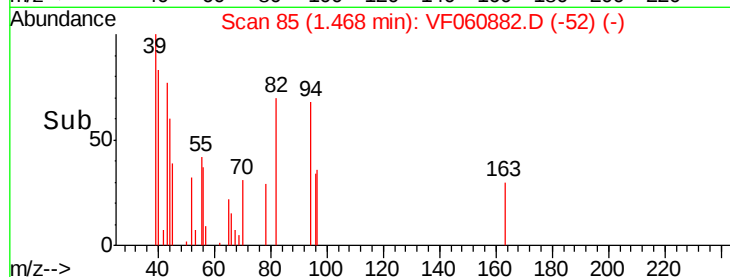
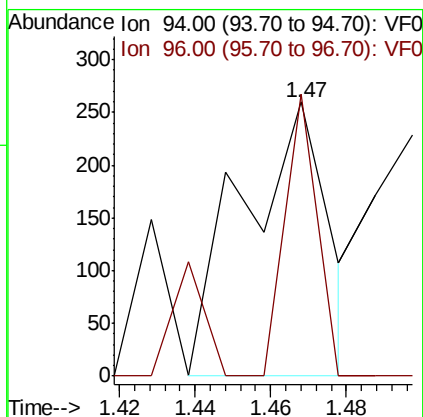
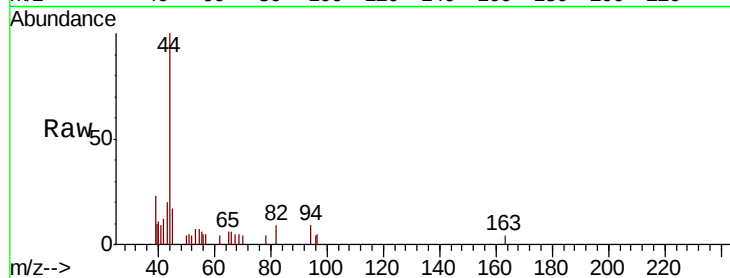
S49-0483

Tot Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 103.1 75.9 113.9



#6

Chloroethane

Concen: 3.456 ug/l

RT: 1.53 min Scan# 91

Delta R.T. 0.14 min

Lab File: VF060882.D

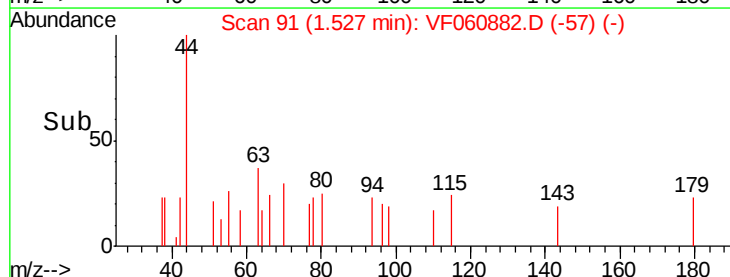
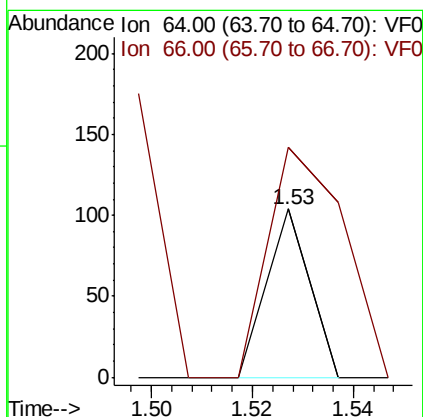
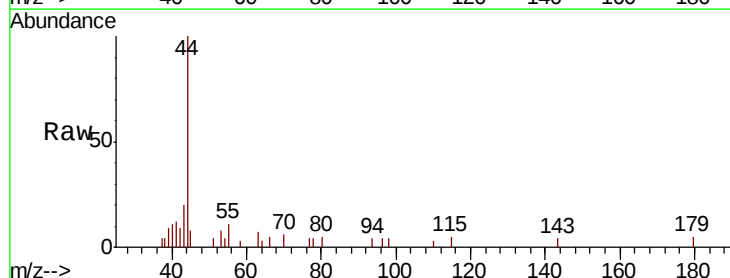
Acq: 29 Nov 2018 22:33

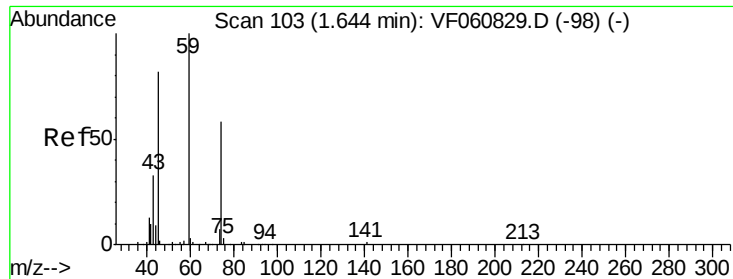
Tgt Ion: 64 Resp: 62

Ion Ratio Lower Upper

64 100

66 136.5 28.1 42.1#

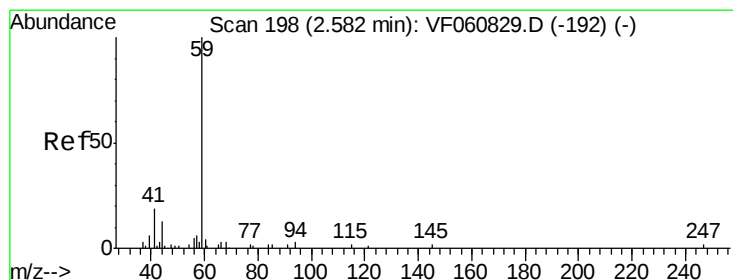
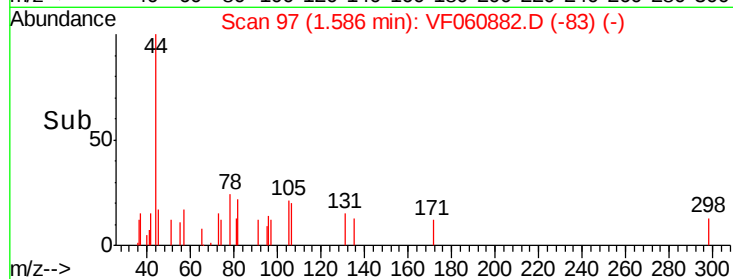
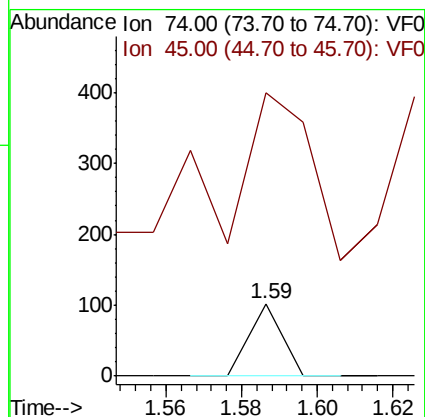
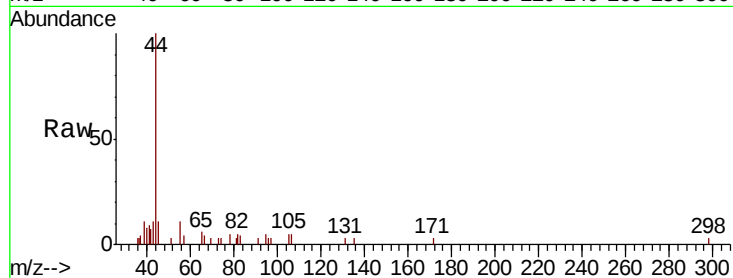




#8
Diethyl Ether
Concen: 4.686 ug/l
RT: 1.59 min Scan# 97
Delta R.T. -0.06 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

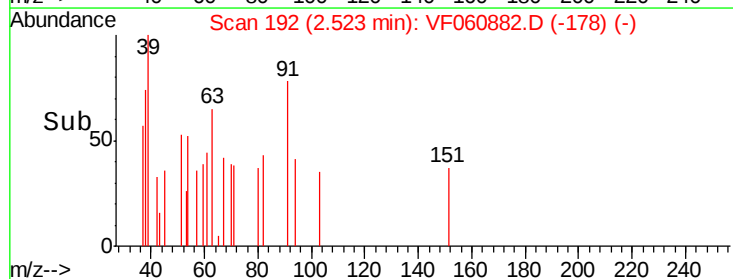
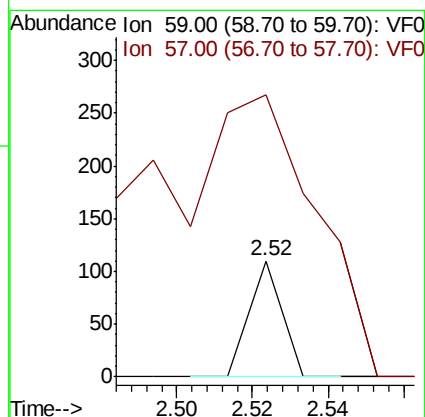
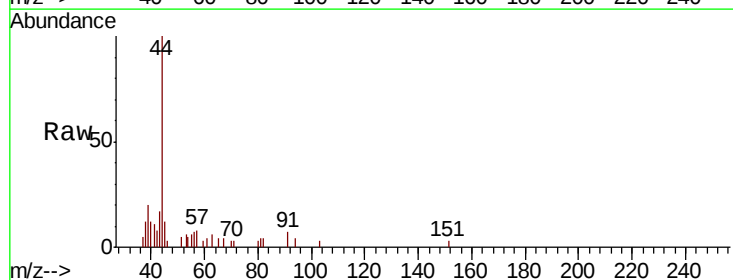
Instrument :
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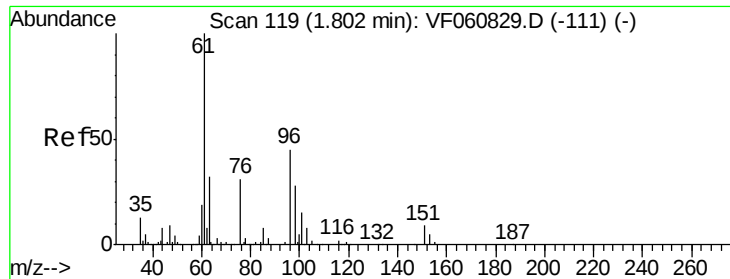
Tot Ion: 74 Resp: 60
Ion Ratio Lower Upper
74 100
45 391.2 71.0 212.8#



#11
Tert butyl alcohol
Concen: 29.434 ug/l
RT: 2.52 min Scan# 192
Delta R.T. -0.06 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Tgt Ion: 59 Resp: 65
Ion Ratio Lower Upper
59 100
57 243.6 12.7 19.1#





#12

1,1-Dichloroethene

Concen: 3.452 ug/l

RT: 1.81 min Scan# 120

Delta R.T. 0.01 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

S49-0483

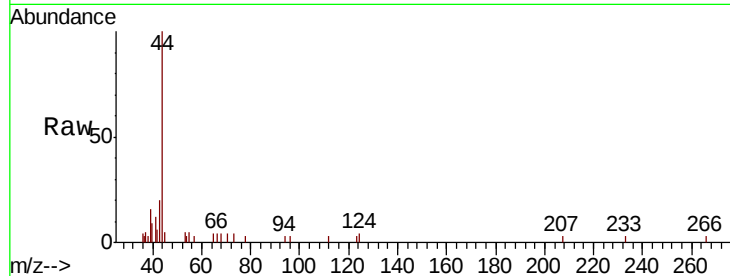
Tot Ion: 96 Resp: 125

Ion Ratio Lower Upper

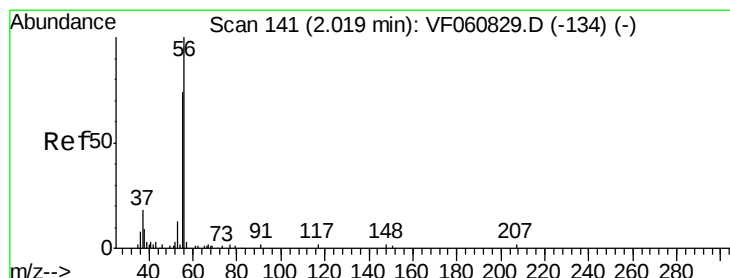
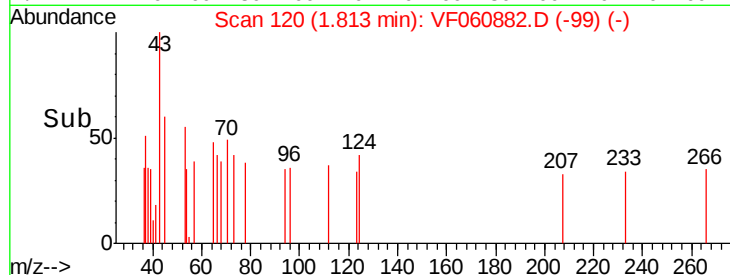
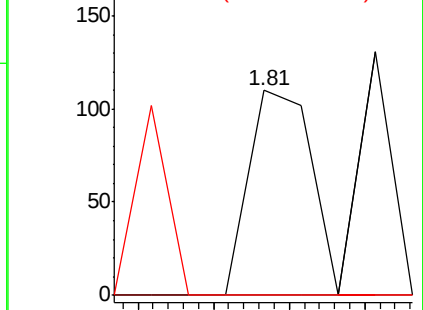
96 100

61 0.0 177.3 265.9#

98 0.0 49.6 74.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 326.433 ug/l

RT: 1.96 min Scan# 135

Delta R.T. -0.06 min

Lab File: VF060882.D

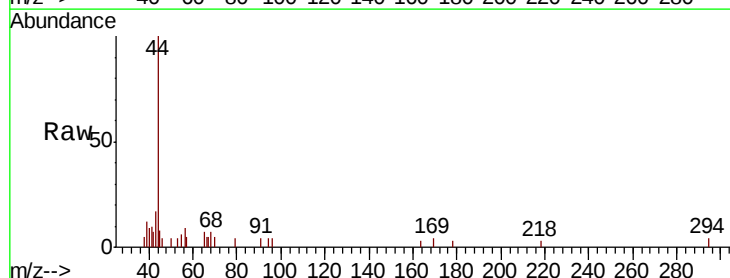
Acq: 29 Nov 2018 22:33

Tgt Ion: 56 Resp: 683

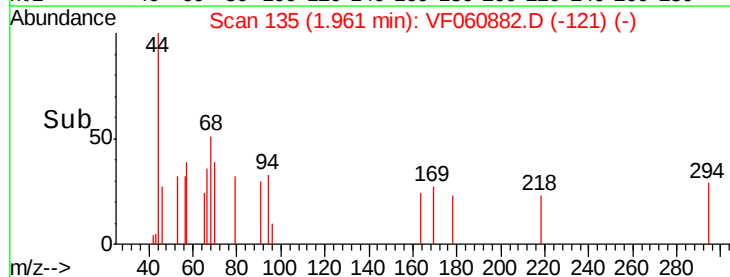
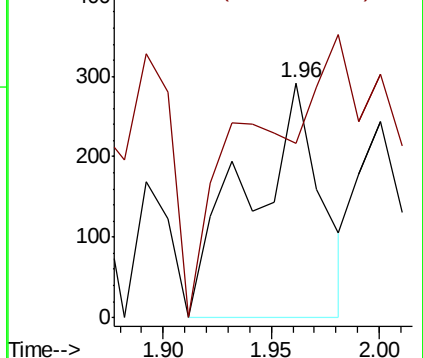
Ion Ratio Lower Upper

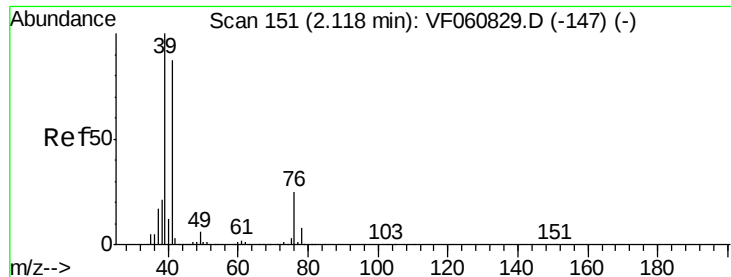
56 100

55 74.3 61.2 91.8



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 55.00 (54.70 to 55.70): VF0





#14

Allvl chloride

Concen: 15.089 ug/l

RT: 2.11 min Scan# 150

Delta R.T. -0.01 min

Lab File: VF060882.D

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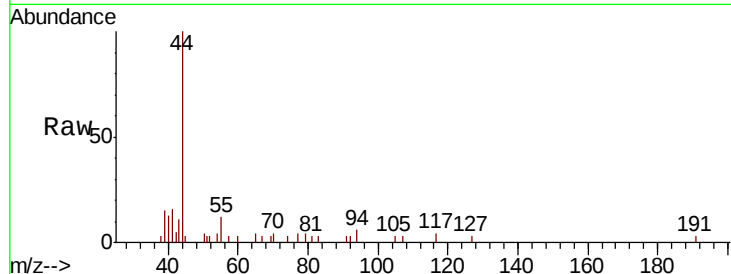
Tot Ion: 41 Resp: 681

Ion Ratio Lower Upper

41 100

39 90.7 91.7 137.5#

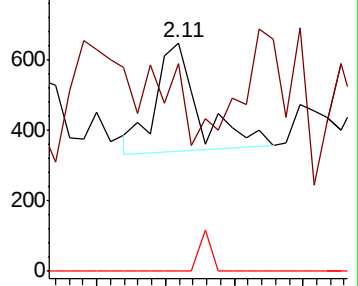
76 0.0 23.5 35.3#



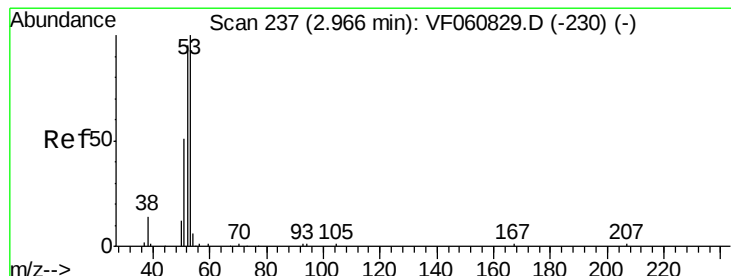
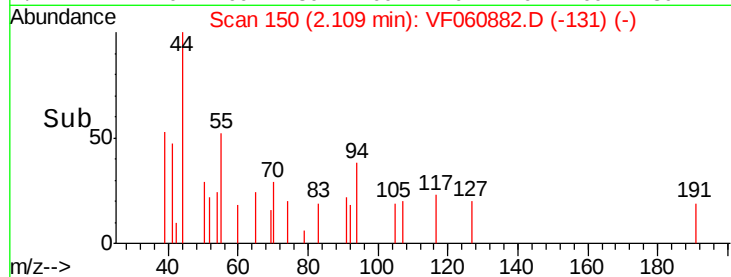
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->



#15

Acrylonitrile

Concen: 47.062 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.04 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

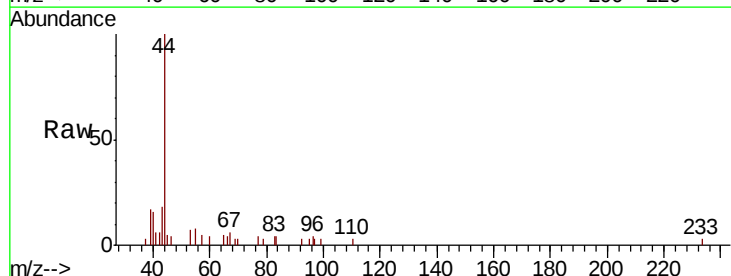
Tgt Ion: 53 Resp: 233

Ion Ratio Lower Upper

53 100

52 0.0 76.5 114.7#

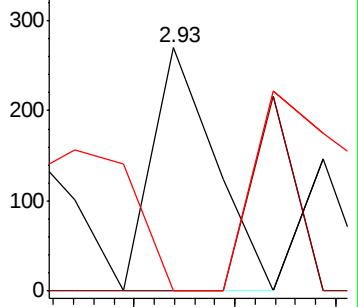
51 0.0 40.7 61.1#



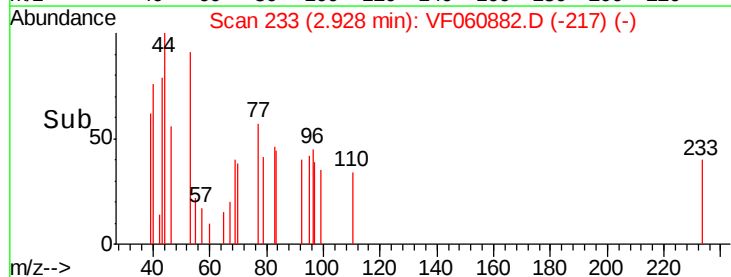
Abundance Ion 53.00 (52.70 to 53.70): VF0

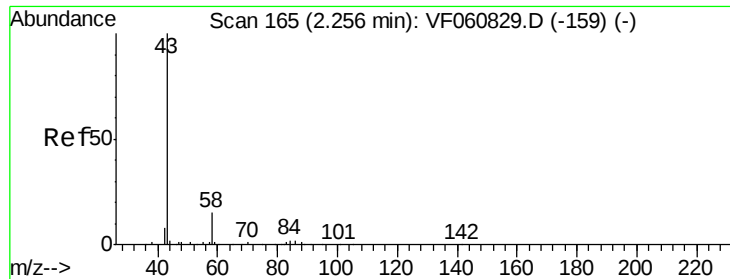
Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->





#16

Acetone

Concen: 26.374 ug/l

RT: 2.26 min Scan# 165

Delta R.T. 0.00 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

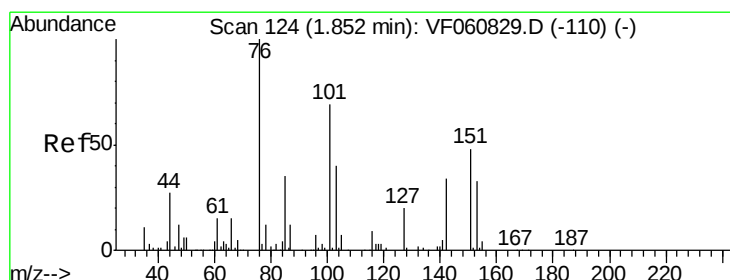
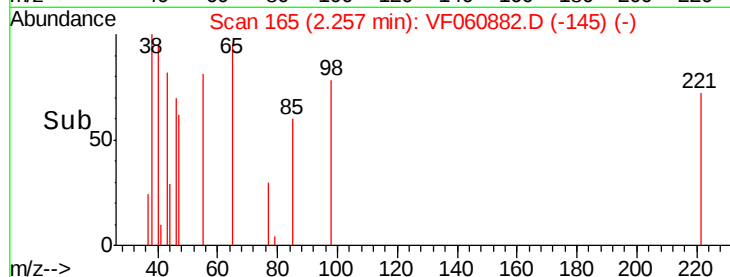
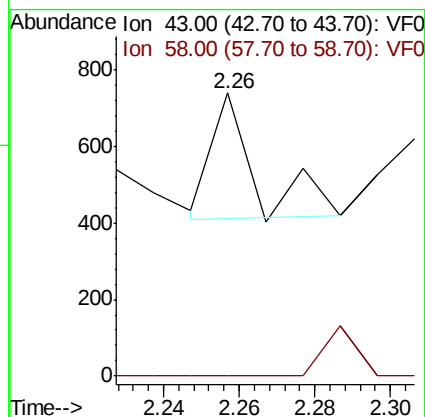
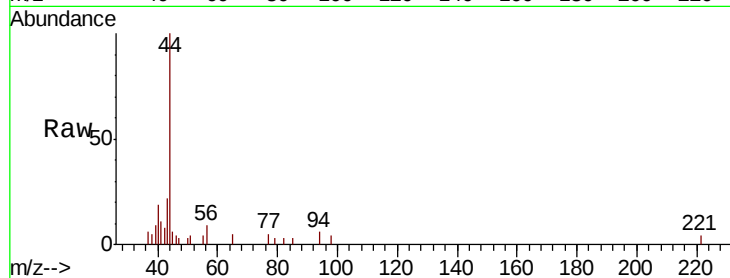
S49-0483

Tot Ion: 43 Resp: 262

Ion Ratio Lower Upper

43 100

58 0.0 11.4 17.2#



#17

Carbon Disulfide

Concen: 2.410 ug/l

RT: 1.75 min Scan# 114

Delta R.T. -0.10 min

Lab File: VF060882.D

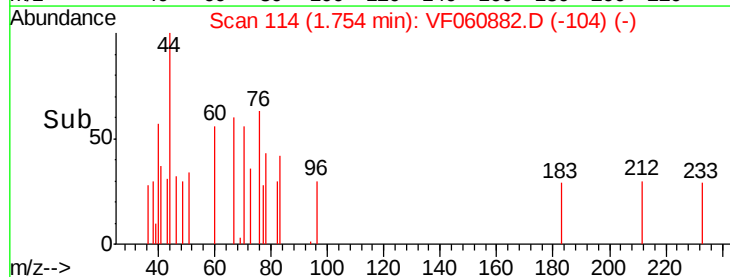
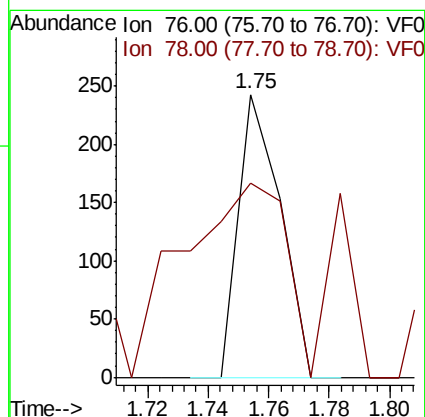
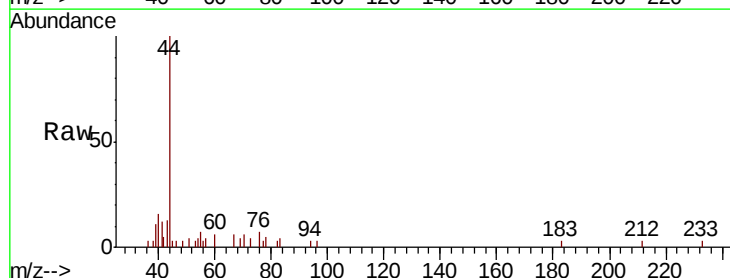
Acq: 29 Nov 2018 22:33

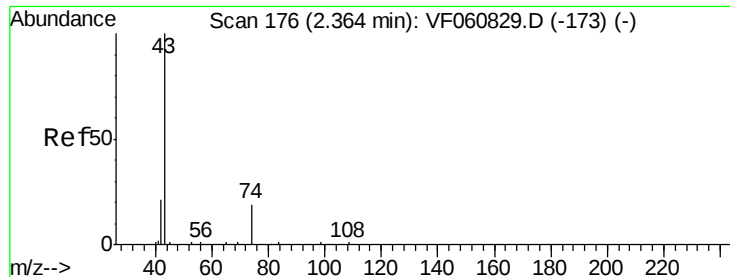
Tgt Ion: 76 Resp: 234

Ion Ratio Lower Upper

76 100

78 68.7 10.2 15.2#

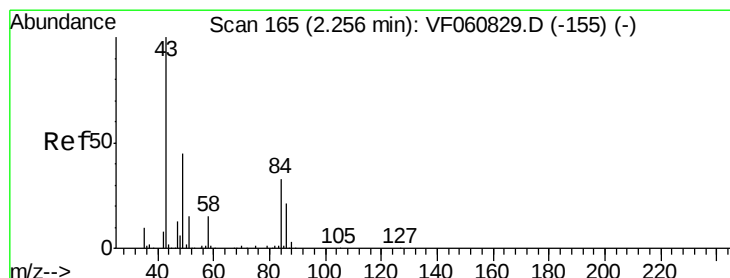
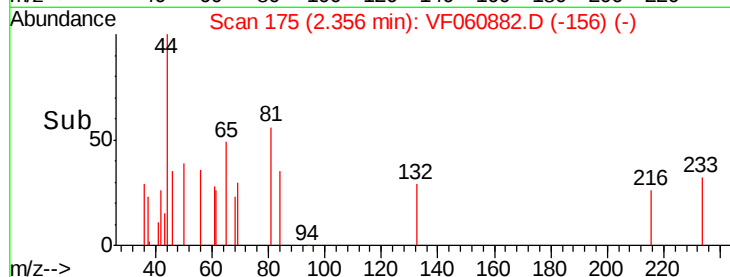
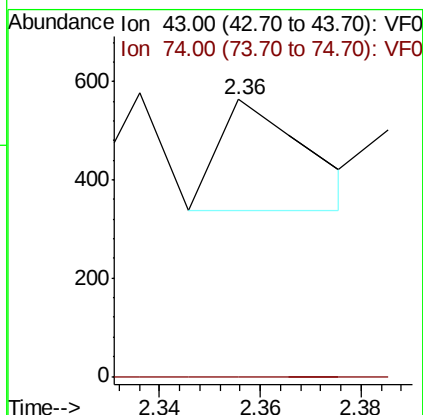
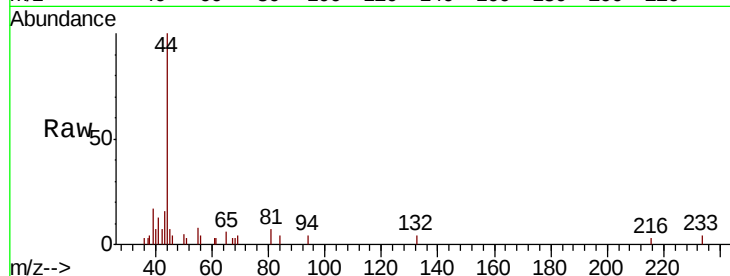




#18
Methyl Acetate
Concen: 15.418 ug/l
RT: 2.36 min Scan# 175
Delta R.T. -0.01 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

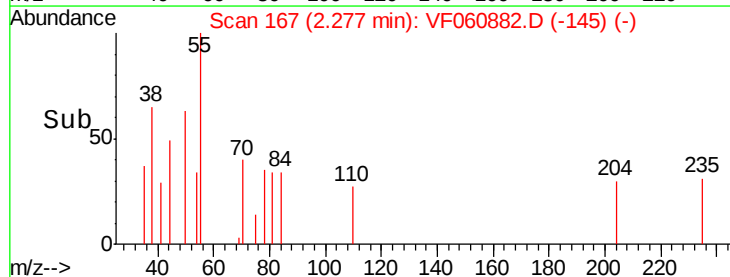
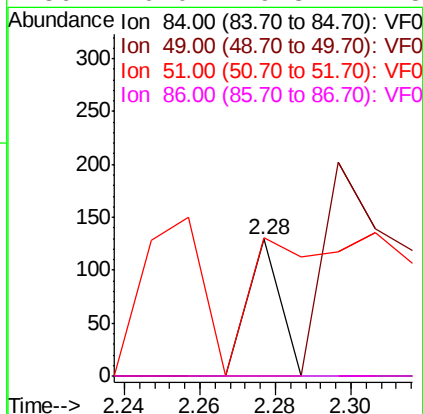
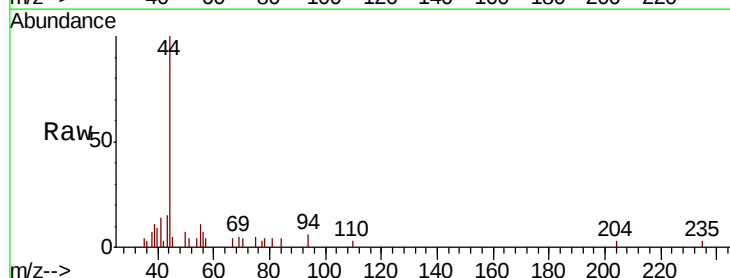
Instrument :
MSVOA_F
ClientSampleId :
S49-0483

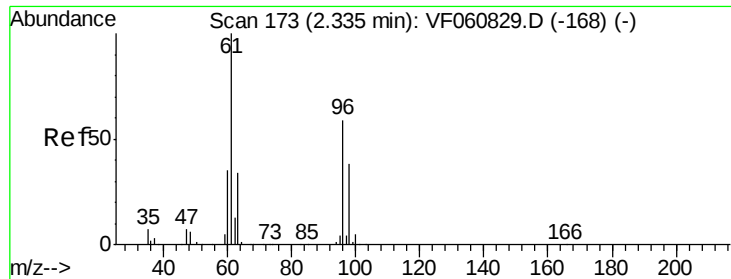
Tot Ion: 43 Resp: 276
Ion Ratio Lower Upper
43 100
74 0.0 13.3 19.9#



#20
Methylene Chloride
Concen: 2.085 ug/l
RT: 2.28 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Tgt Ion: 84 Resp: 76
Ion Ratio Lower Upper
84 100
49 0.0 111.3 166.9#
51 101.6 38.0 57.0#
86 0.0 49.8 74.8#





#21

trans-1,2-Dichloroethene

Concen: 73.248 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.03 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

S49-0483

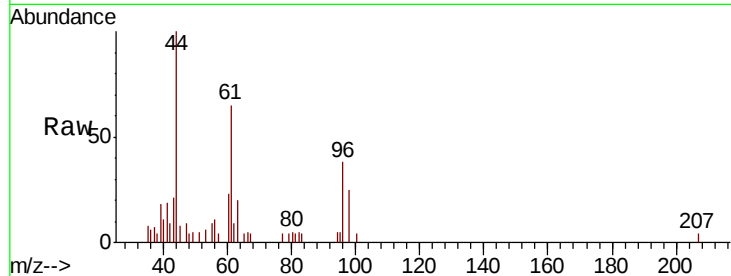
Tot Ion: 96 Resp: 2557

Ion Ratio Lower Upper

96 100

61 169.4 134.5 201.7

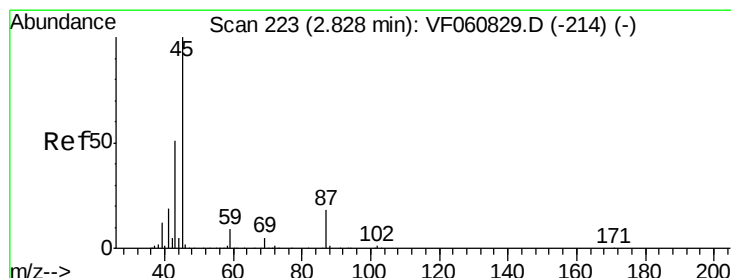
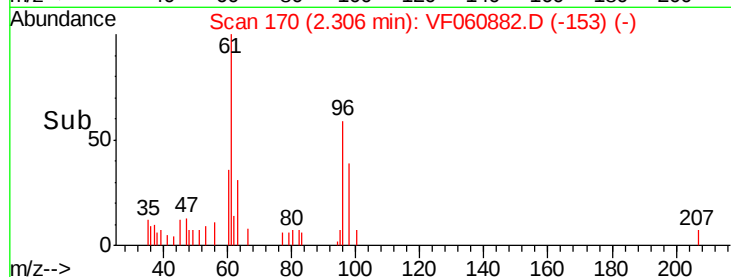
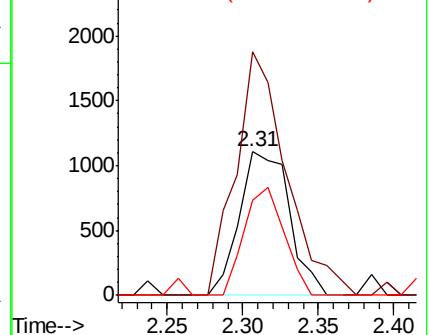
98 66.5 51.6 77.4



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 3.476 ug/l

RT: 2.82 min Scan# 222

Delta R.T. -0.01 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Tgt Ion: 45 Resp: 427

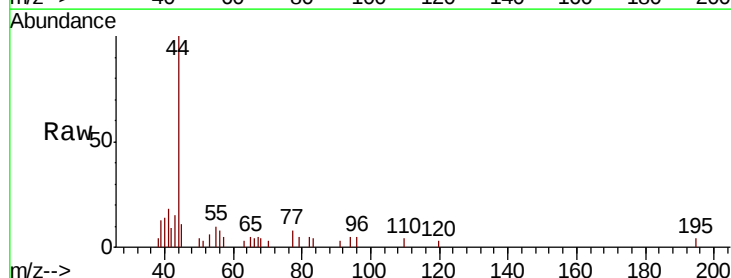
Ion Ratio Lower Upper

45 100

43 136.3 41.0 61.6#

87 0.0 14.6 22.0#

59 0.0 7.5 11.3#

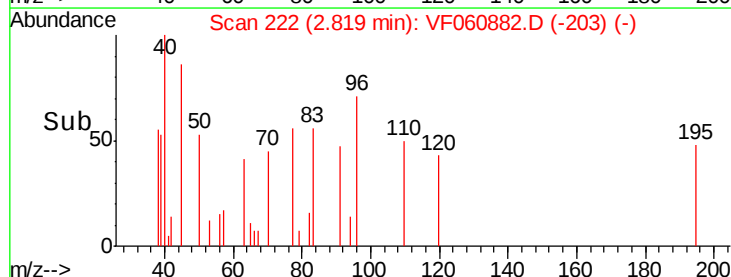
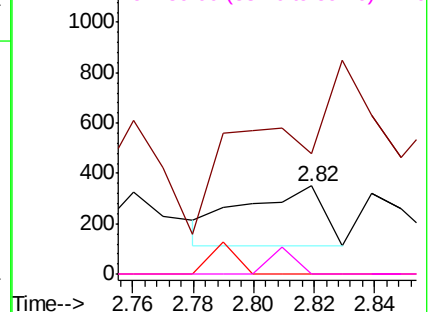


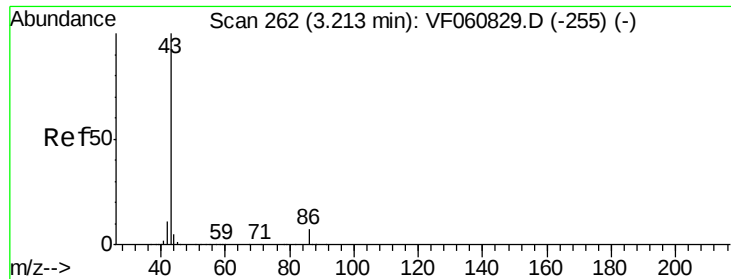
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 8.975 ug/l

RT: 3.21 min Scan# 262

Delta R.T. 0.00 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

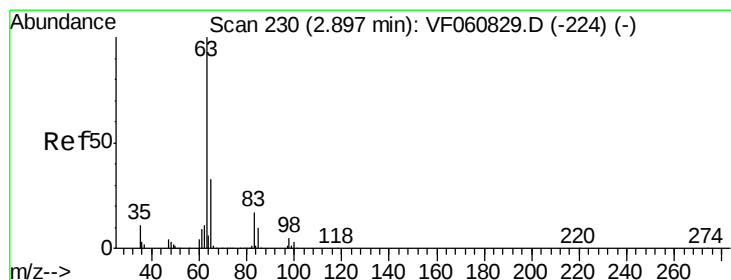
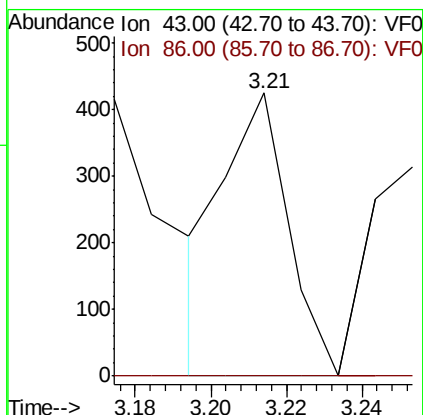
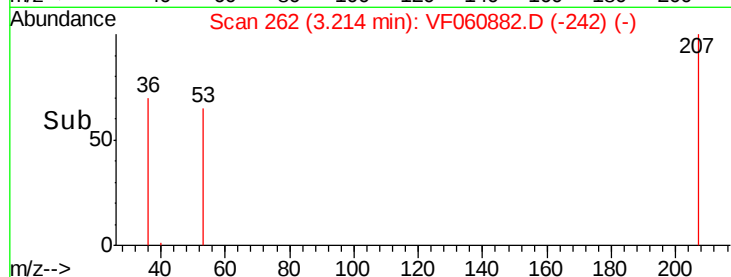
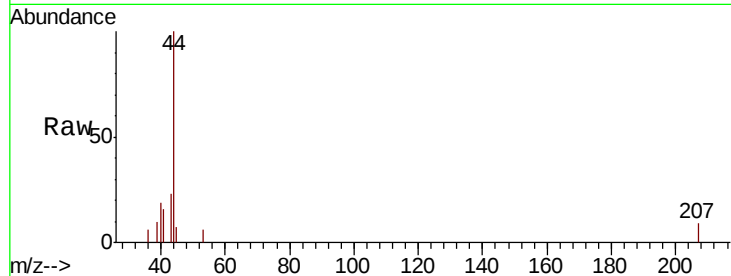
S49-0483

Tot Ion: 43 Resp: 504

Ion Ratio Lower Upper

43 100

86 0.0 5.4 8.0#



#24

1,1-Dichloroethane

Concen: 3.379 ug/l

RT: 2.88 min Scan# 228

Delta R.T. -0.02 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

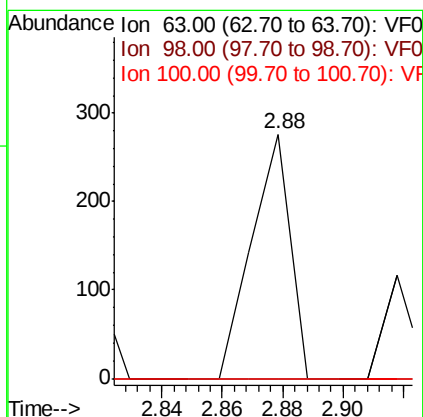
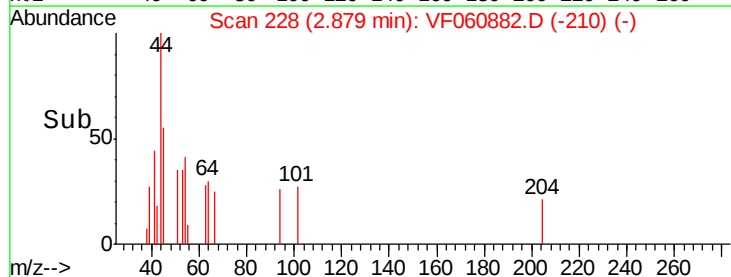
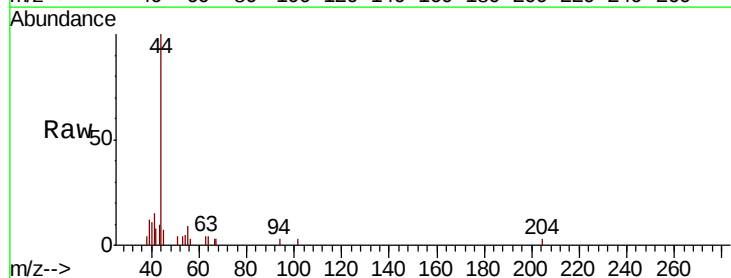
Tgt Ion: 63 Resp: 247

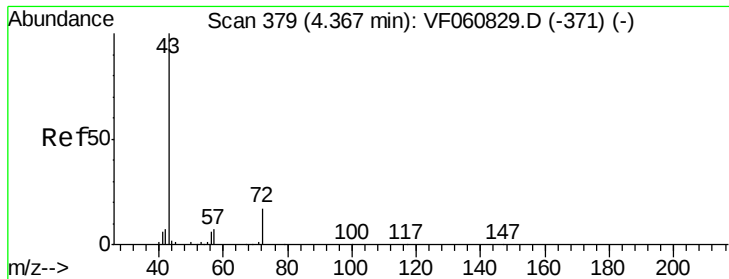
Ion Ratio Lower Upper

63 100

98 0.0 2.7 8.1#

100 0.0 1.5 4.5#





#25

2-Butanone

Concen: 13.793 ug/l

RT: 4.37 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampled :

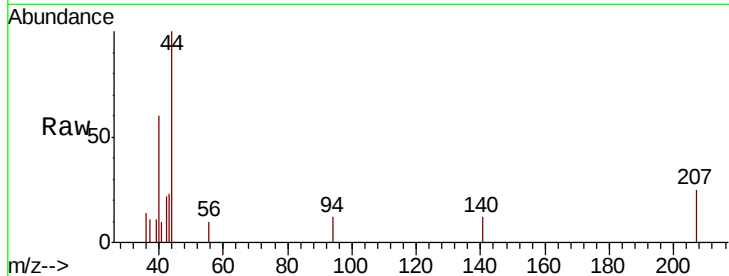
S49-0483

Tot Ion: 43 Resp: 237

Ion Ratio Lower Upper

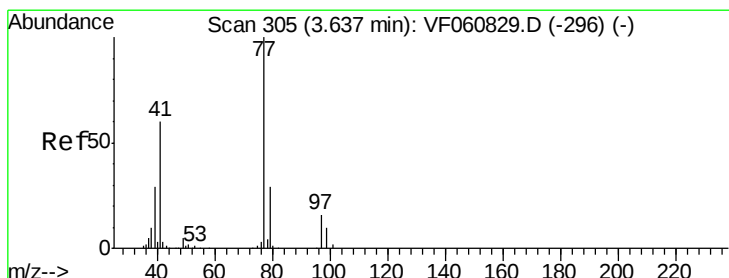
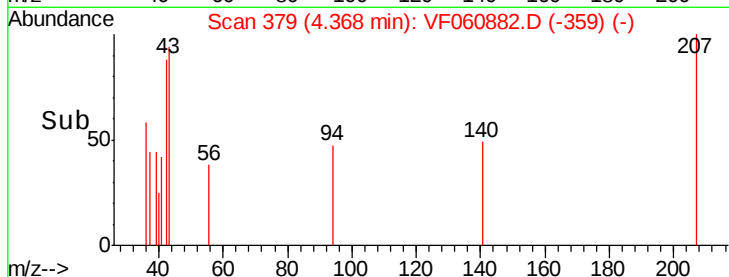
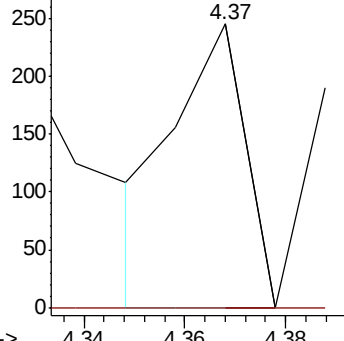
43 100

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: 2.089 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.00 min

Lab File: VF060882.D

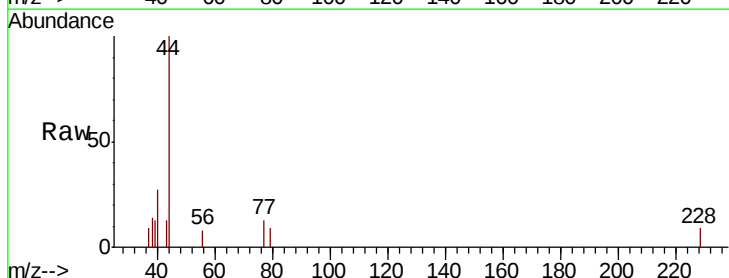
Acq: 29 Nov 2018 22:33

Tgt Ion: 77 Resp: 99

Ion Ratio Lower Upper

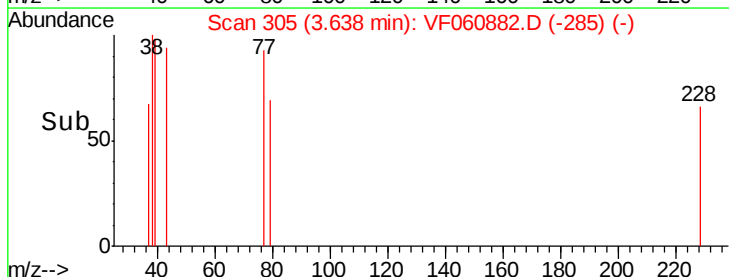
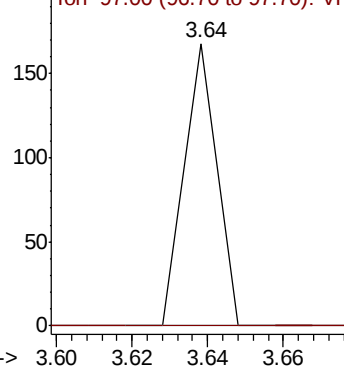
77 100

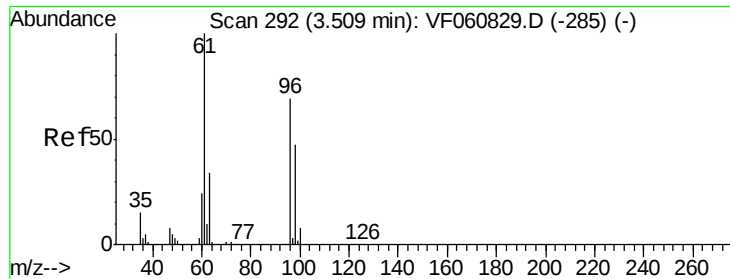
97 0.0 8.6 25.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



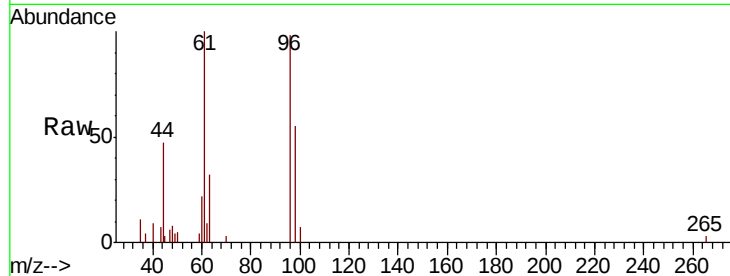


#27

cis-1,2-Dichloroethene
 Concen: 173.777 ug/l
 RT: 3.49 min Scan# 290
 Delta R.T. -0.02 min
 Lab File: VF060882.D
 Acq: 29 Nov 2018 22:33

Instrument :
 MSVOA_F
 ClientSampleId :
 S49-0483

Tot Ion	Ratio	Lower	Upper
96	100		
61	102.2	0.0	290.6
98	56.0	0.0	137.8

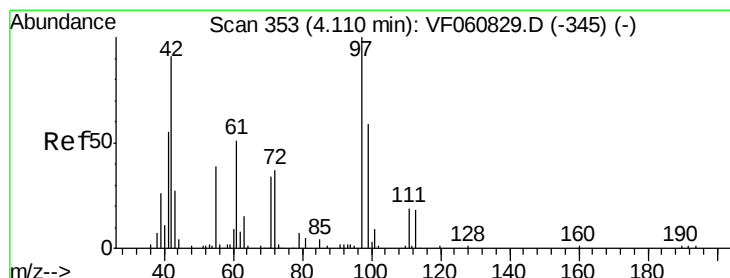
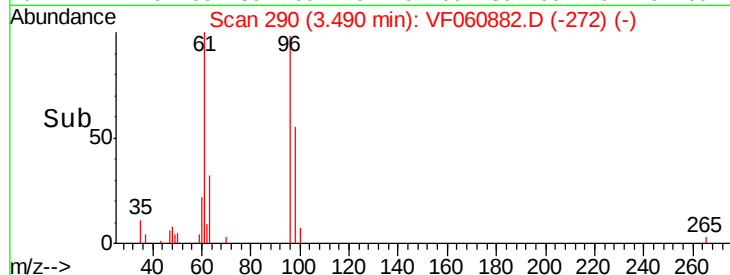
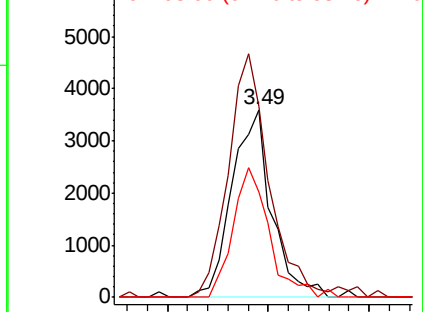


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

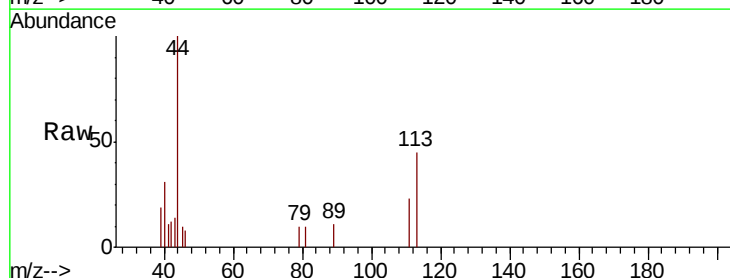
Ion 98.00 (97.70 to 98.70): VF0



#29

Tetrahydrofuran
 Concen: 29.656 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF060882.D
 Acq: 29 Nov 2018 22:33

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.9	47.9#
71	0.0	28.7	43.1#

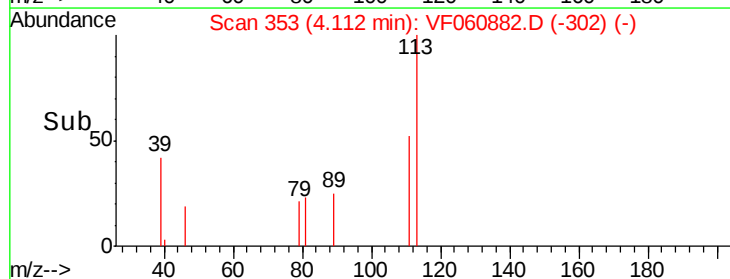
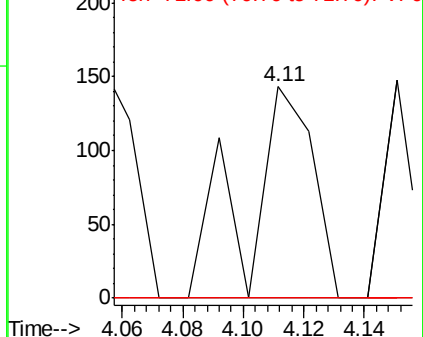


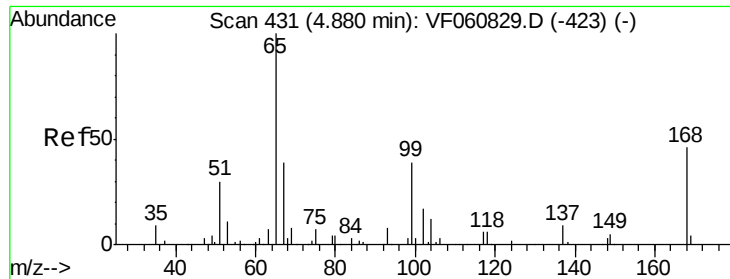
Abundance

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





#33

1,2-Dichloroethane-d4

Concen: 13.811 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.03 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

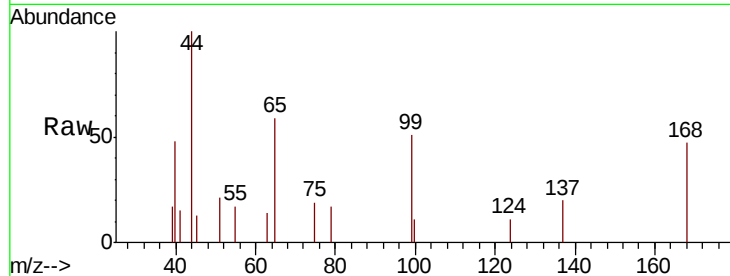
S49-0483

Tot Ion: 65 Resp: 744

Ion Ratio Lower Upper

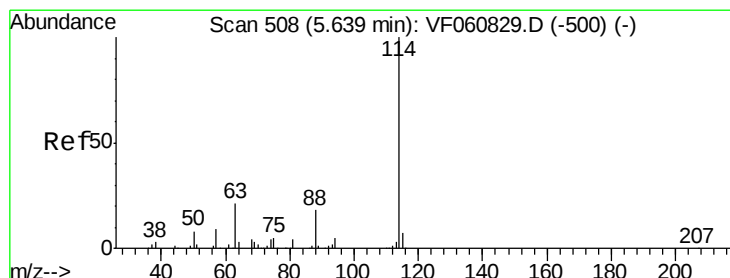
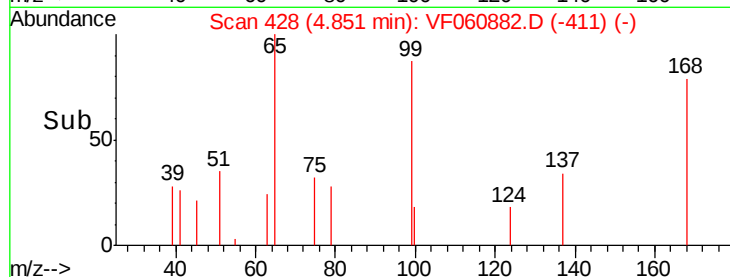
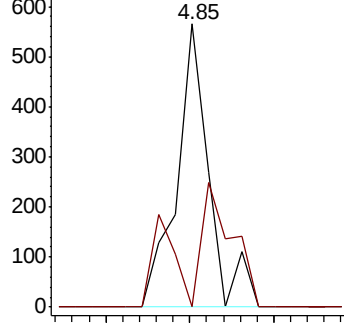
65 100

67 0.0 0.0 96.4



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. -0.03 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

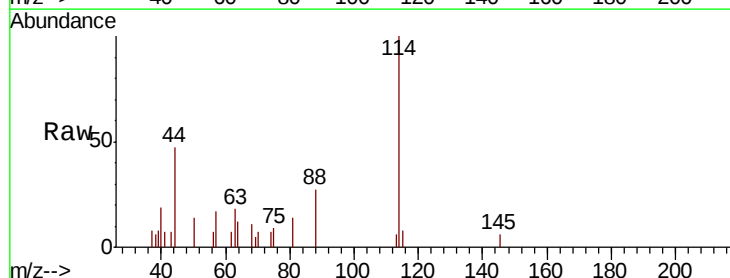
Tgt Ion: 114 Resp: 6711

Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

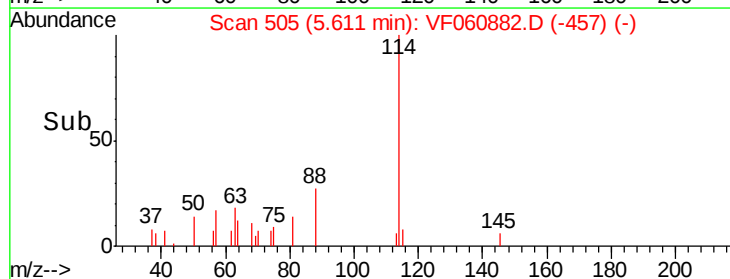
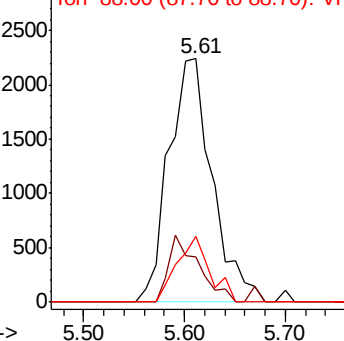
88 26.8 0.0 36.6

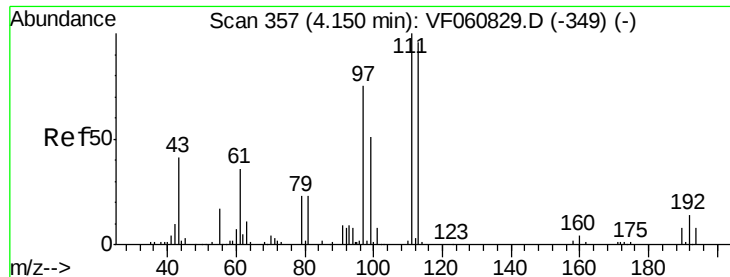


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

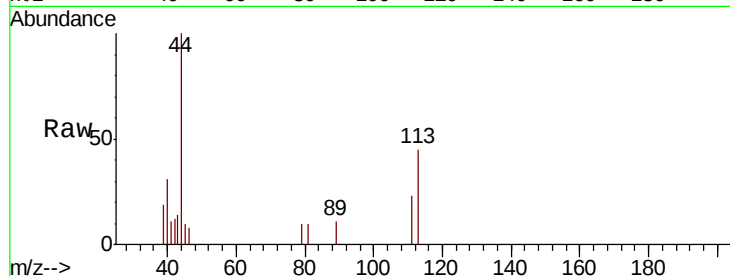




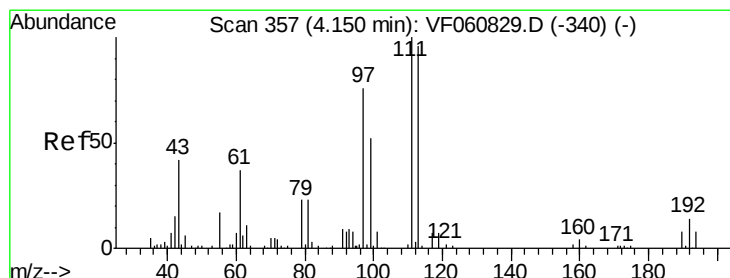
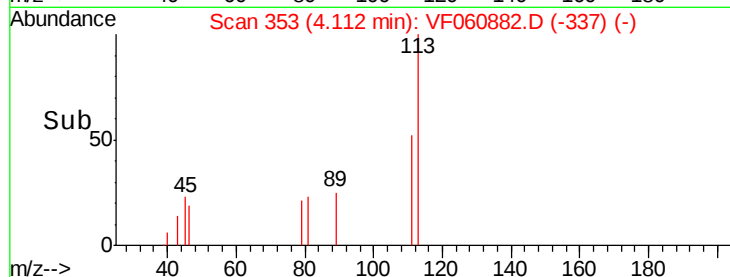
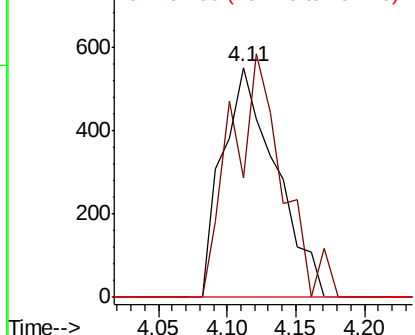
#35
Dibromofluoromethane
Concen: 27.968 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Instrument :
MSVOA_F
ClientSampleId :
S49-0483

Tot Ion:113 Resp: 1489
Ion Ratio Lower Upper
113 100
111 52.1 83.0 124.6#
192 0.0 12.3 18.5#

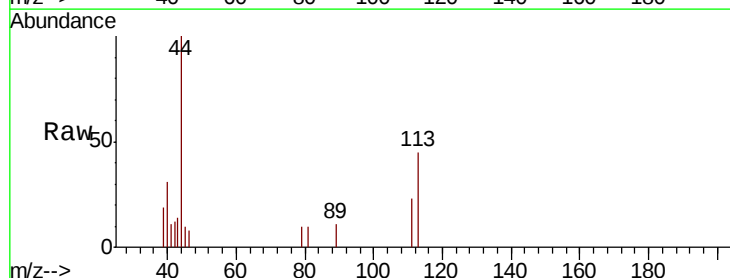


Abundance Ion 113.00 (112.70 to 113.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 192.00 (191.70 to 192.70): V

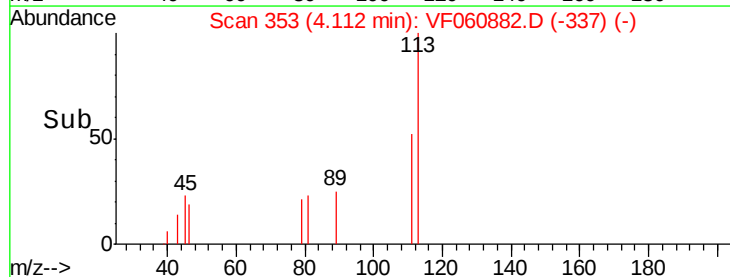
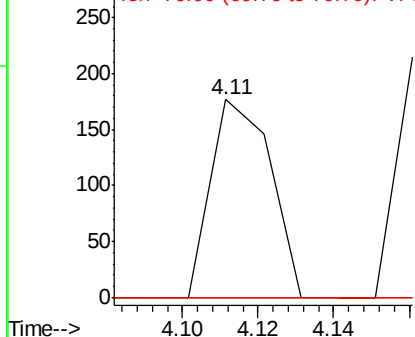


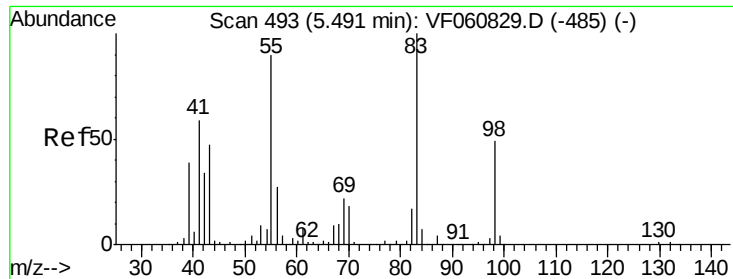
#37
Ethyl Acetate
Concen: 6.314 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.04 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Tgt Ion: 43 Resp: 191
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

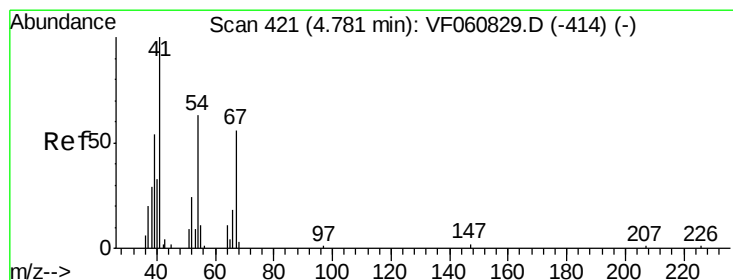
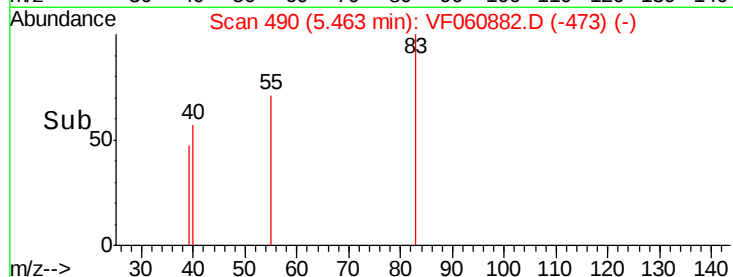
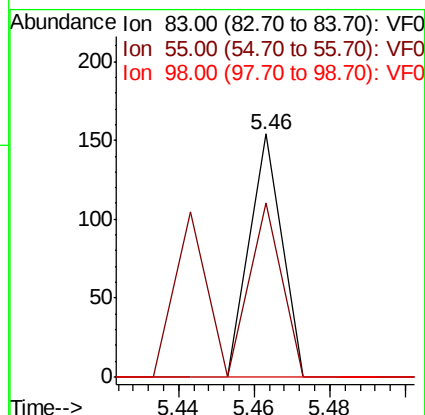
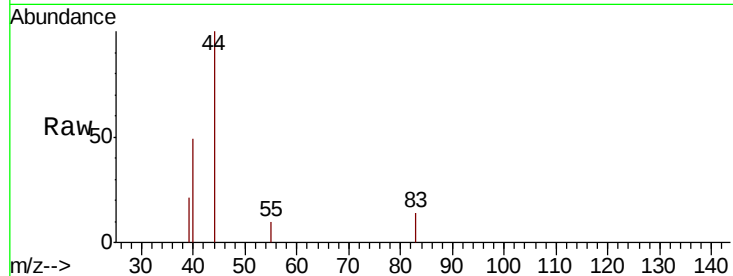




#39
Methylcyclohexane
Concen: 1.167 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.03 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

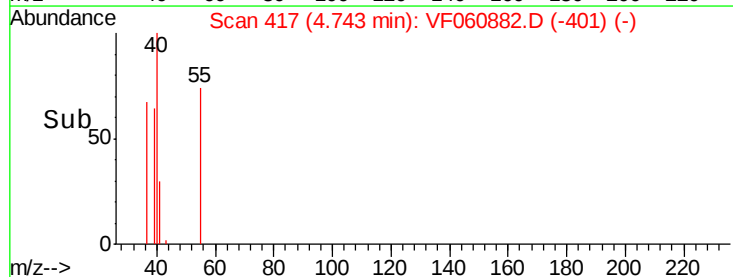
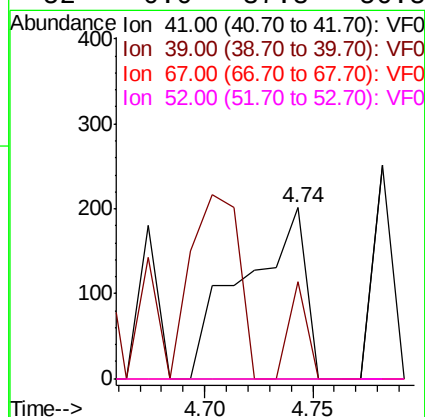
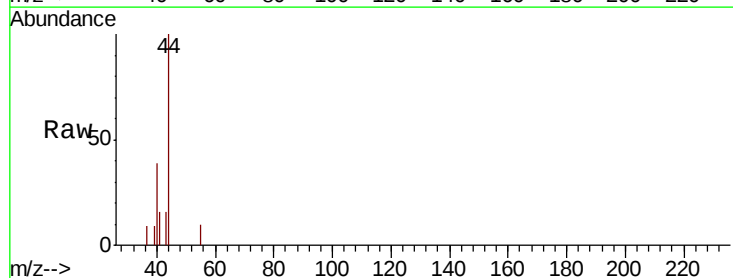
Instrument :
MSVOA_F
ClientSampleId :
S49-0483

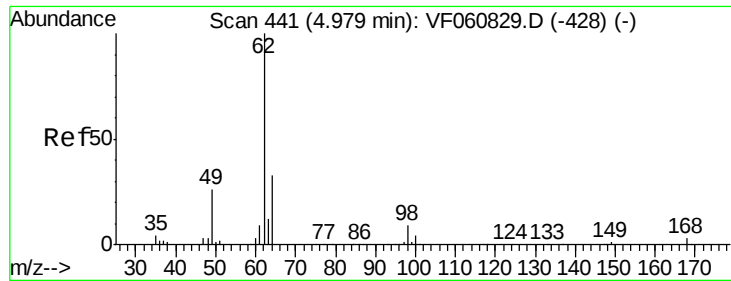
Tot Ion: 83 Resp: 91
Ion Ratio Lower Upper
83 100
55 71.4 72.1 108.1#
98 0.0 39.1 58.7#



#41
Methacrylonitrile
Concen: 23.483 ug/l
RT: 4.74 min Scan# 417
Delta R.T. -0.04 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Tgt Ion: 41 Resp: 400
Ion Ratio Lower Upper
41 100
39 56.7 53.0 79.6
67 0.0 43.8 65.6#
52 0.0 37.8 56.8#





#42

1,2-Dichloroethane

Concen: 1.049 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.12 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

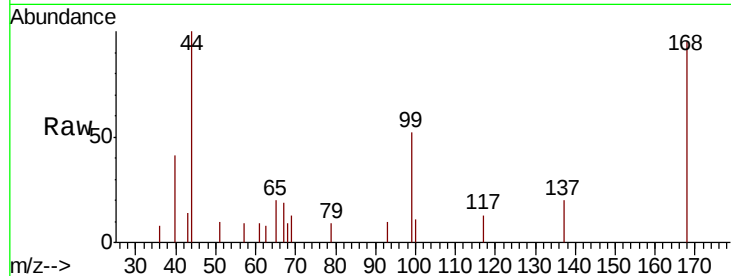
S49-0483

Tot Ion: 62 Resp: 63

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

150

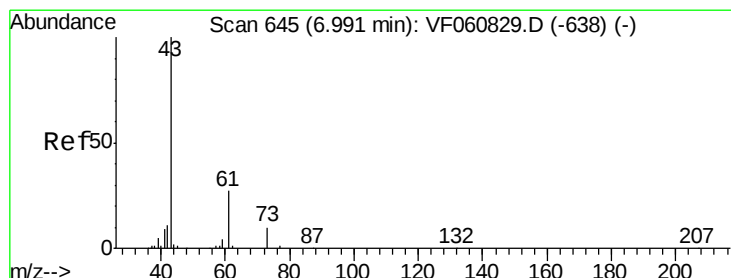
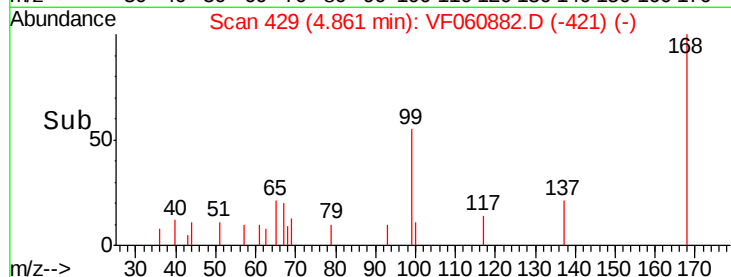
100

50

0

4.84 4.86 4.88

Time-->



#43

Isopropyl Acetate

Concen: 3.811 ug/l

RT: 6.93 min Scan# 639

Delta R.T. -0.06 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

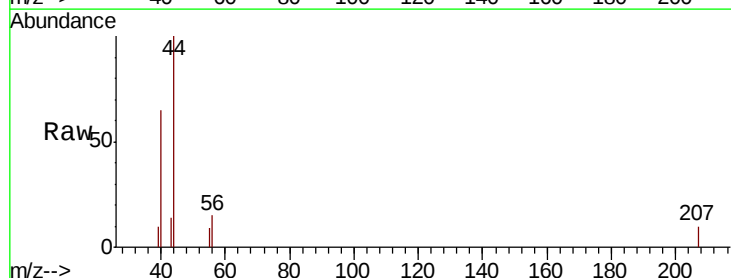
Tgt Ion: 43 Resp: 236

Ion Ratio Lower Upper

43 100

61 0.0 21.4 32.0#

87 0.0 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

300

250

200

150

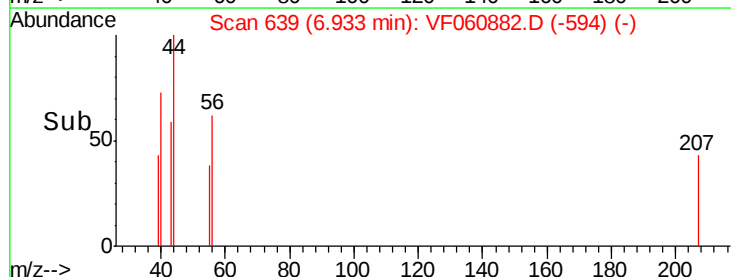
100

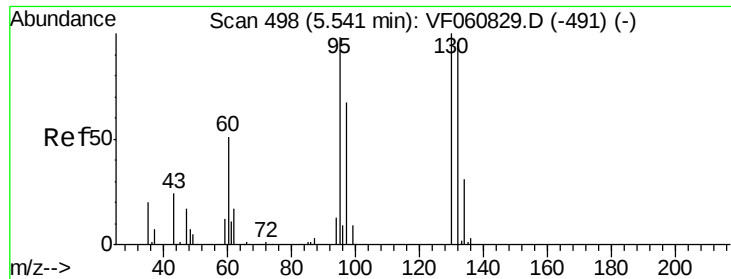
50

0

6.92 6.94 6.96

Time-->





#44

Trichloroethene

Concen: 4.110 ug/l

RT: 5.51 min Scan# 495

Delta R.T. -0.03 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

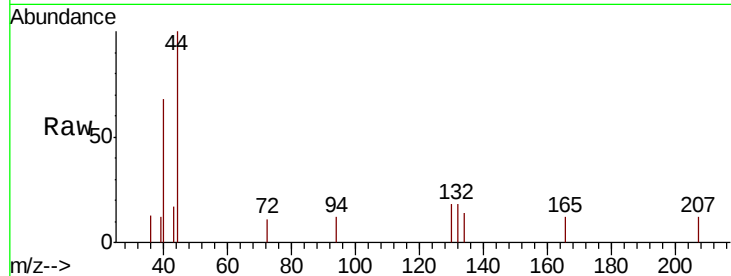
S49-0483

Tot Ion:130 Resp: 221

Ion Ratio Lower Upper

130 100

95 0.0 0.0 195.6



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

250

200

150

100

50

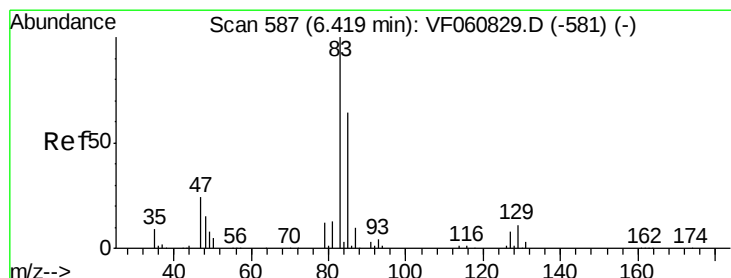
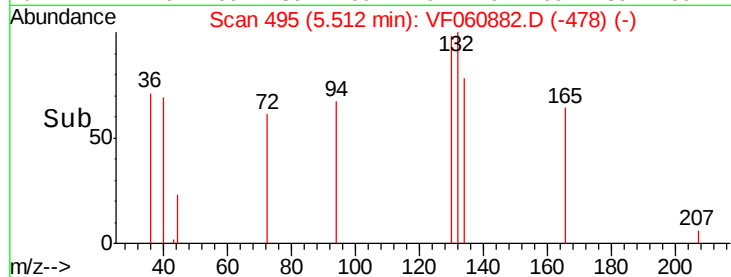
0

5.45

5.50

5.55

Time-->



#47

Bromodichloromethane

Concen: 1.222 ug/l

RT: 6.44 min Scan# 589

Delta R.T. 0.02 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

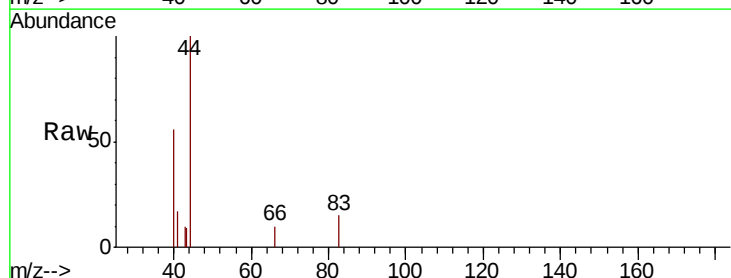
Tgt Ion: 83 Resp: 94

Ion Ratio Lower Upper

83 100

85 0.0 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

200

150

100

50

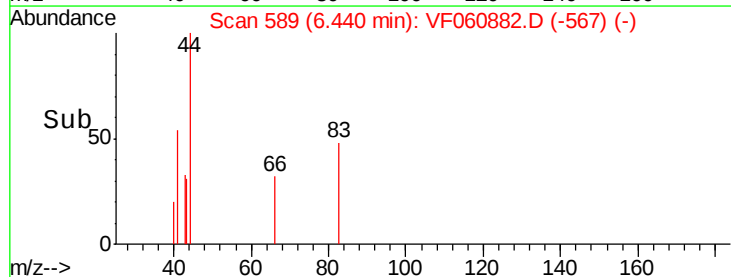
0

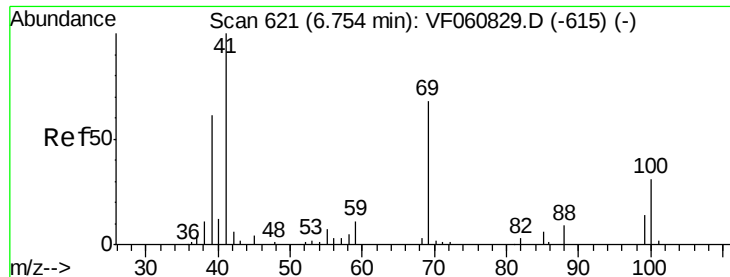
6.42

6.44

6.46

Time-->

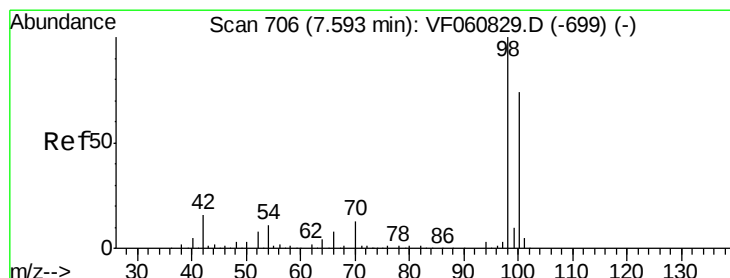
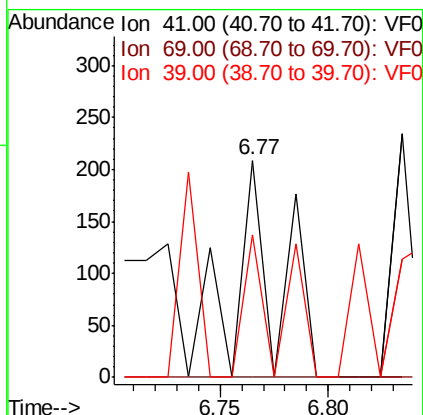
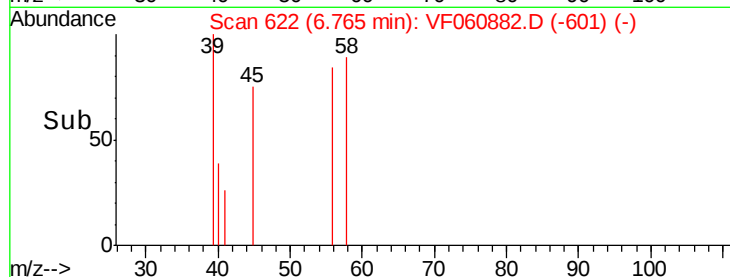
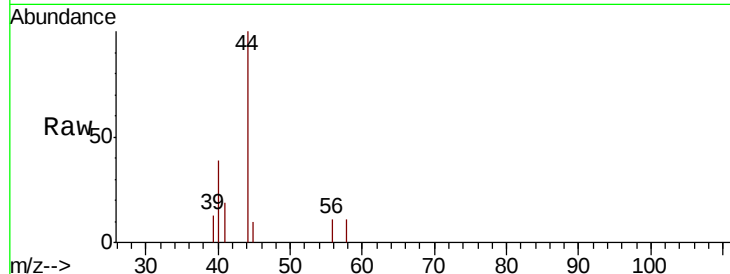




#48
Methyl methacrylate
Concen: 11.030 ug/l
RT: 6.77 min Scan# 622
Delta R.T. 0.01 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

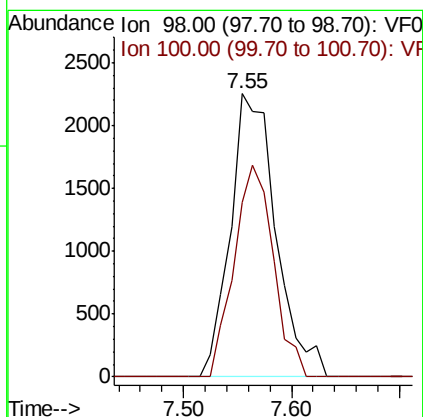
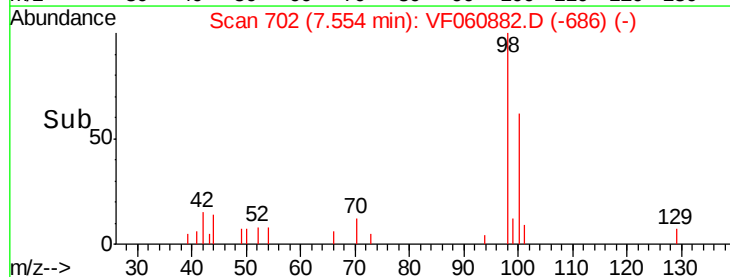
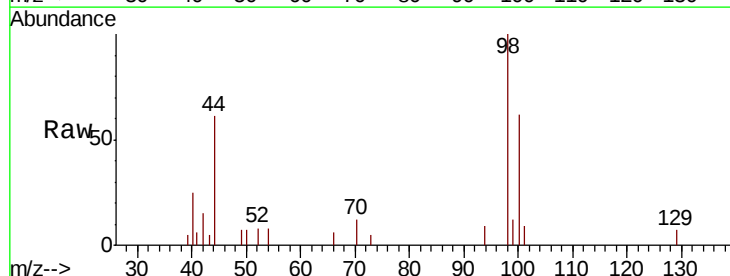
Instrument :
MSVOA_F
ClientSampleId :
S49-0483

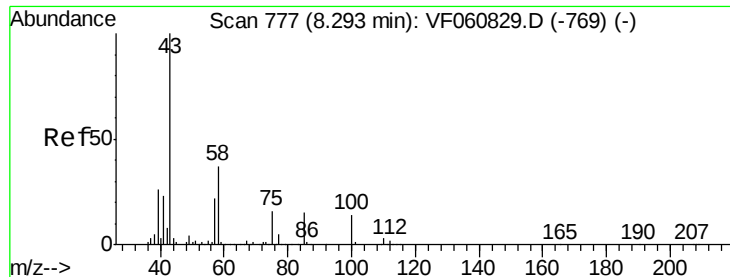
Tot Ion: 41 Resp: 302
Ion Ratio Lower Upper
41 100
69 0.0 53.9 80.9#
39 65.6 49.0 73.6



#50
Toluene-d8
Concen: 42.224 ug/l
RT: 7.55 min Scan# 702
Delta R.T. -0.04 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Tgt Ion: 98 Resp: 6622
Ion Ratio Lower Upper
98 100
100 61.5 59.3 88.9





#51

4-Methyl-2-Pentanone

Concen: 19.610 ug/l

RT: 8.22 min Scan# 770

Delta R.T. -0.07 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

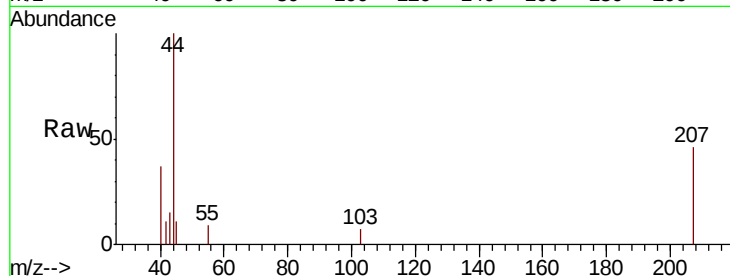
S49-0483

Tot Ion: 43 Resp: 547

Ion Ratio Lower Upper

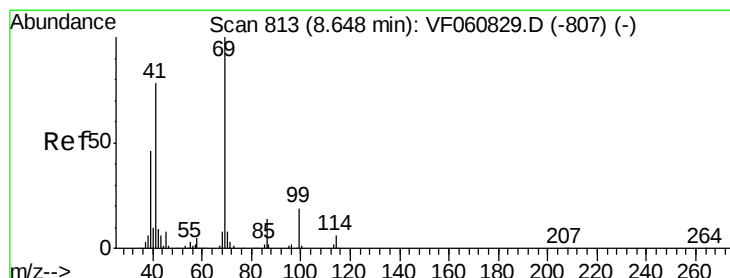
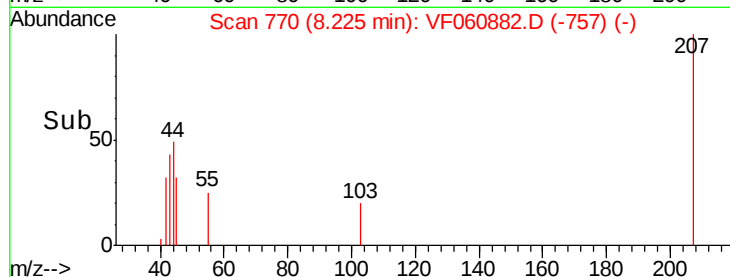
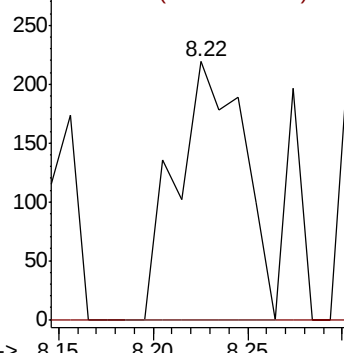
43 100

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



#56

Ethyl methacrylate

Concen: 2.300 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.16 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

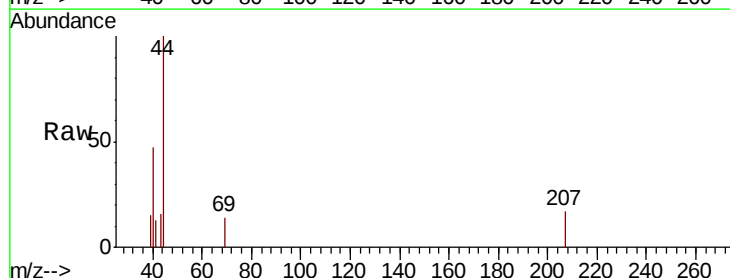
Tgt Ion: 69 Resp: 86

Ion Ratio Lower Upper

69 100

41 90.3 62.6 94.0

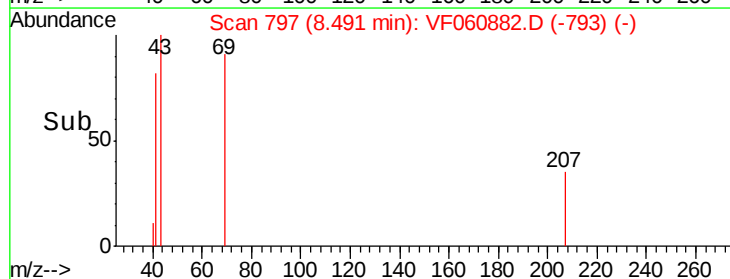
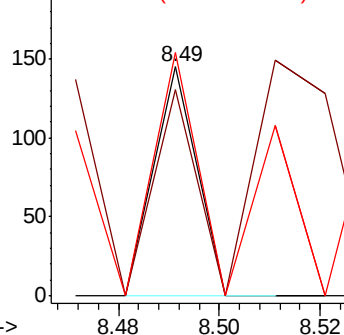
39 106.2 37.8 56.6#

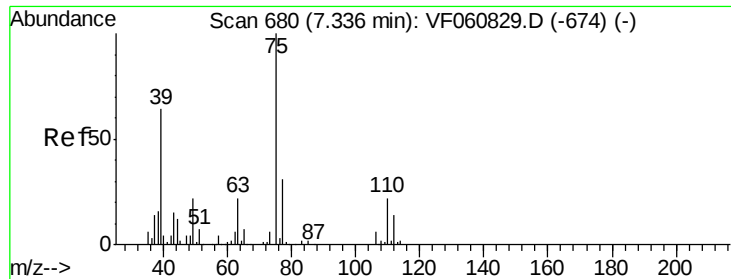


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#58

2-Chloroethyl Vinyl ether

Concen: 21.180 ug/l

RT: 7.18 min Scan# 664

Delta R.T. -0.16 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

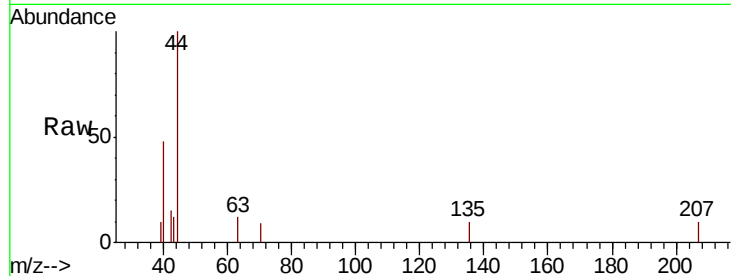
S49-0483

Tot Ion: 63 Resp: 81

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

7.18

150

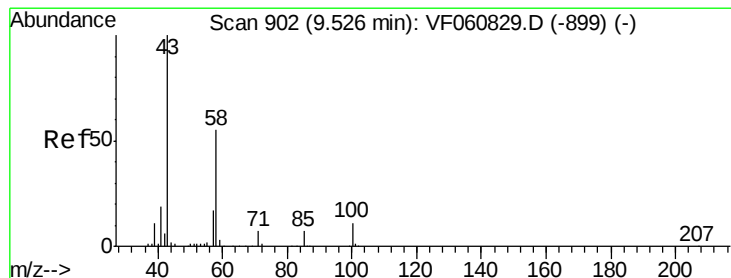
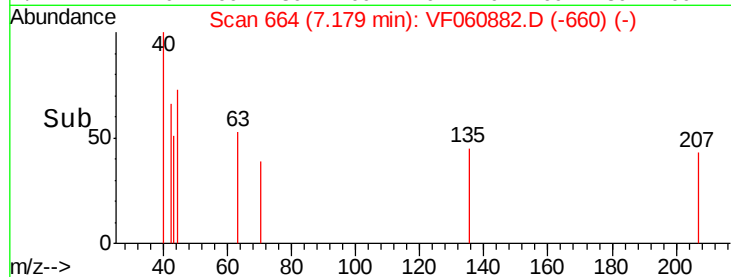
100

50

0

7.14 7.16 7.18 7.20

Time-->



#59

2-Hexanone

Concen: 21.922 ug/l

RT: 9.36 min Scan# 885

Delta R.T. -0.17 min

Lab File: VF060882.D

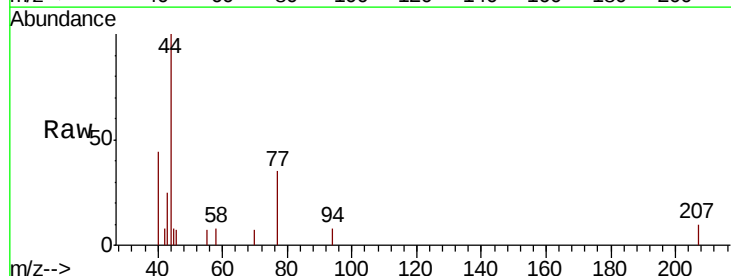
Acq: 29 Nov 2018 22:33

Tgt Ion: 43 Resp: 429

Ion Ratio Lower Upper

43 100

58 31.4 25.6 76.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

9.36

400

300

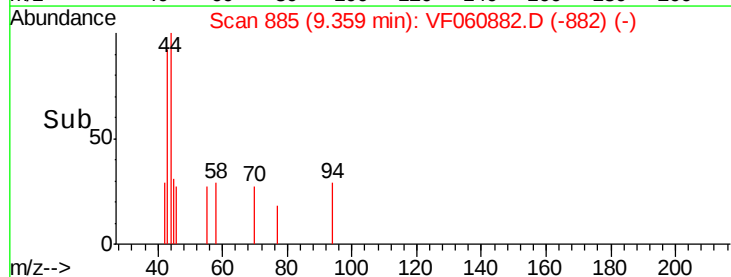
200

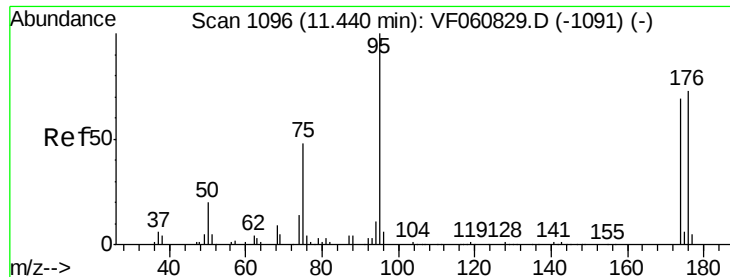
100

0

9.32 9.34 9.36 9.38

Time-->

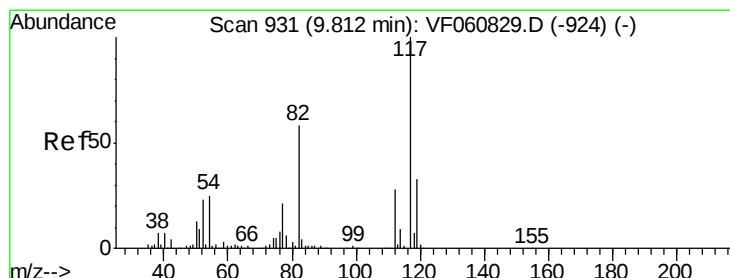
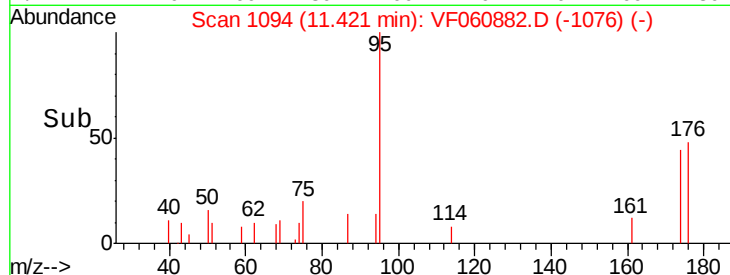
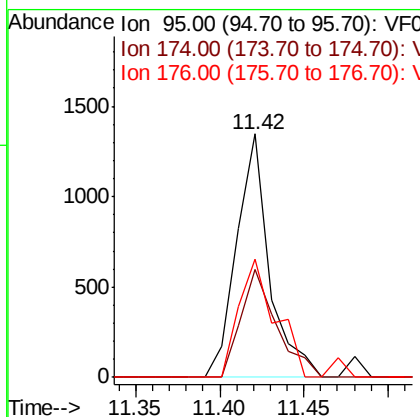
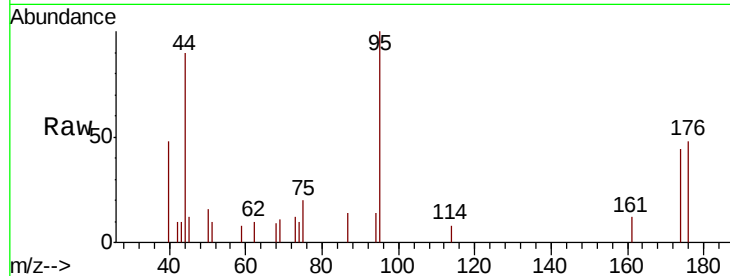




#62
4-Bromofluorobenzene
Concen: 25.548 ug/l
RT: 11.42 min Scan# 1094
Delta R.T. -0.02 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

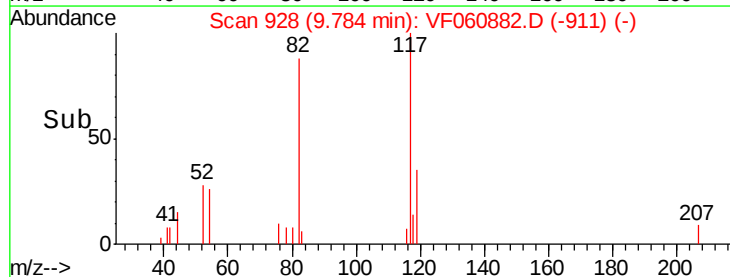
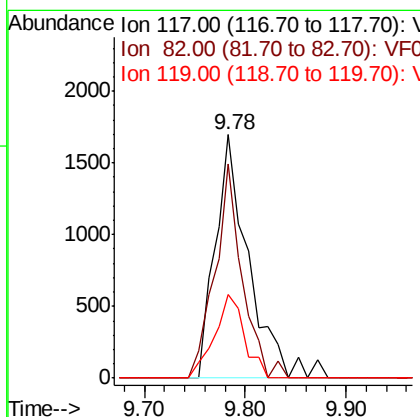
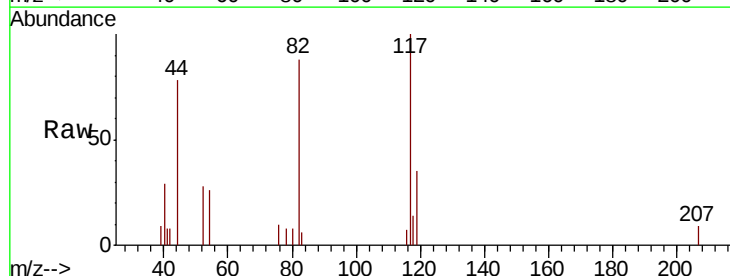
Instrument :
MSVOA_F
ClientSampleId :
S49-0483

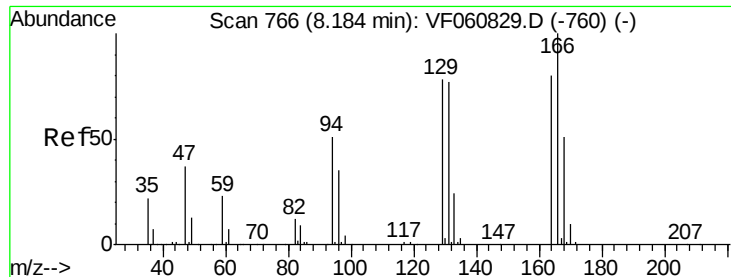
Tot Ion: 95 Resp: 1821
Ion Ratio Lower Upper
95 100
174 44.5 0.0 138.2
176 48.5 0.0 146.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. -0.03 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Tgt Ion: 117 Resp: 3927
Ion Ratio Lower Upper
117 100
82 88.0 46.6 69.8#
119 34.6 26.4 39.6

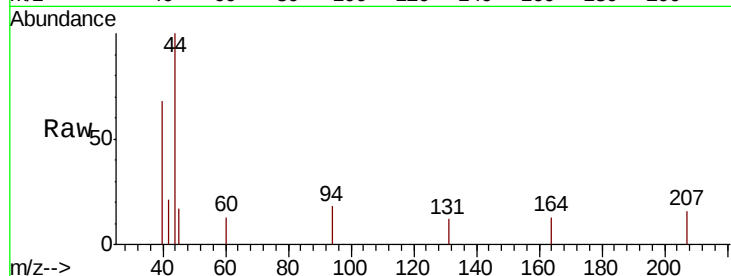




#64
Tetrachloroethene
Concen: 7.301 ug/l
RT: 8.19 min Scan# 766
Delta R.T. 0.00 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Instrument :
MSVOA_F
ClientSampleId :
S49-0483

Tot Ion	Ratio	Lower	Upper
164	100		
166	0.0	100.3	150.5#
129	0.0	77.9	116.9#
131	96.9	77.5	116.3



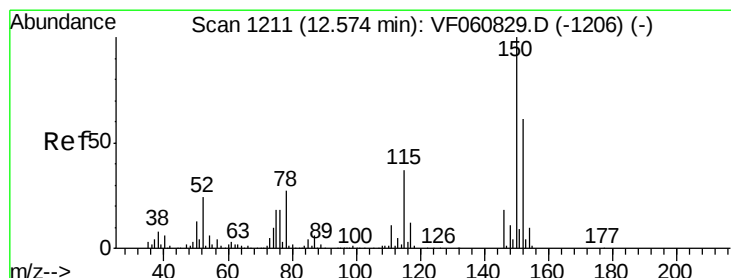
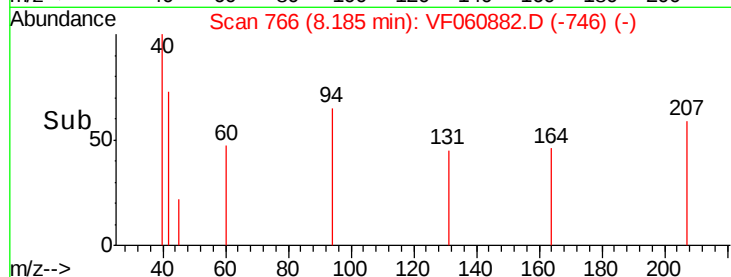
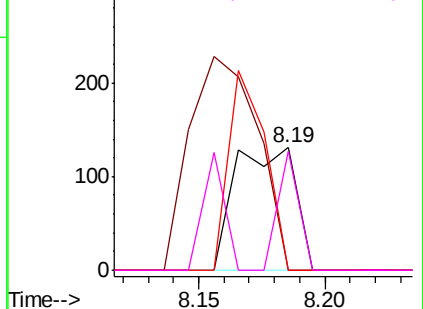
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

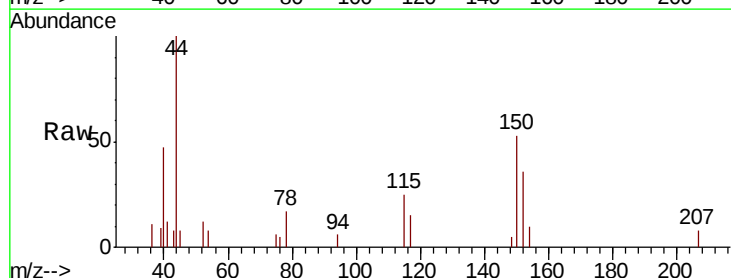
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1210
Delta R.T. -0.01 min
Lab File: VF060882.D
Acq: 29 Nov 2018 22:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	70.4	30.1	90.5
150	150.1	0.0	327.6

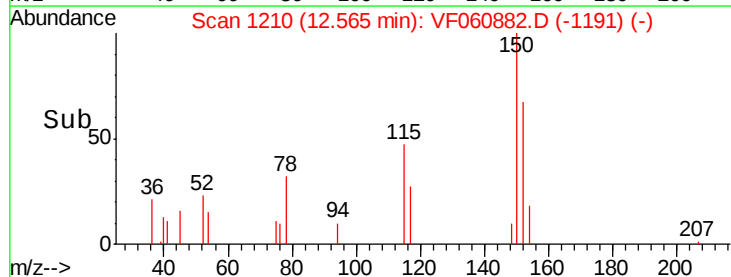
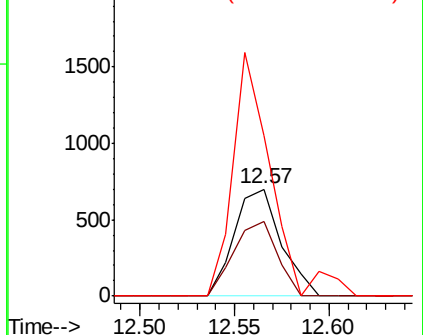


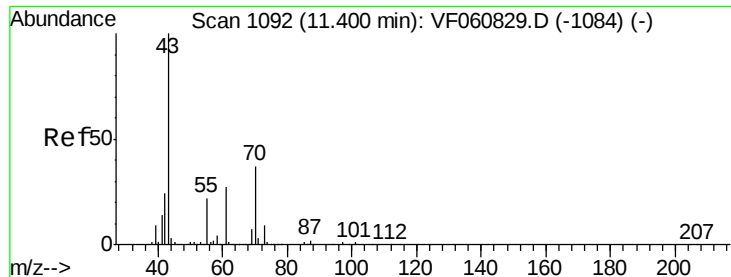
Abundance

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





#74

N-amvl acetate

Concen: 18.480 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. -0.02 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

S49-0483

Tot Ion: 43 Resp: 405

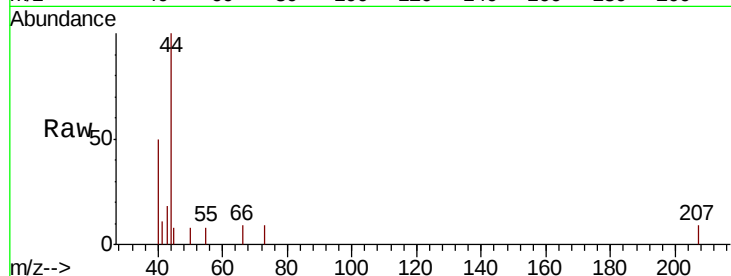
Ion Ratio Lower Upper

43 100

70 0.0 29.6 44.4#

55 45.0 17.2 25.8#

61 0.0 21.8 32.6#

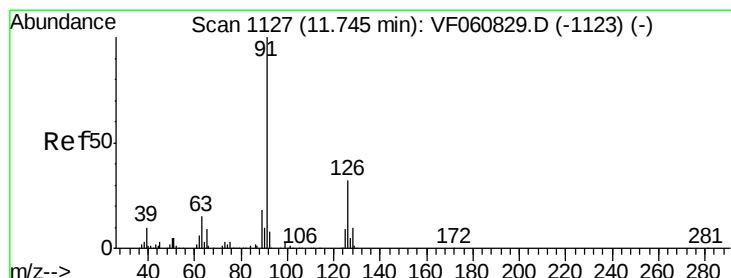
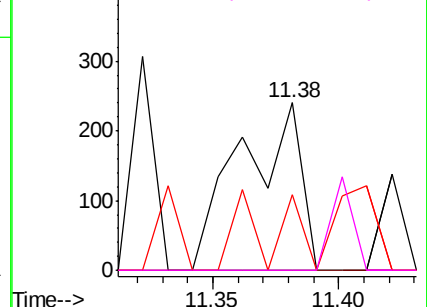
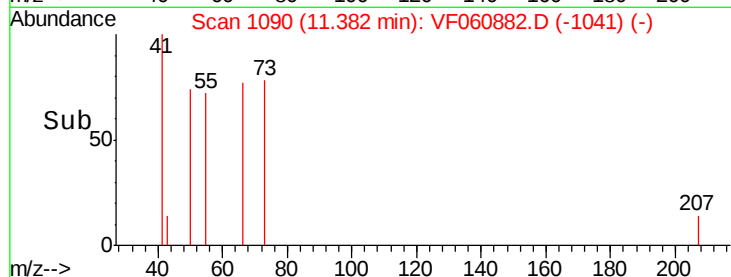


Abundance Ion 43.00 (42.70 to 43.70): VF0

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



#79

2-Chlorotoluene

Concen: 1.145 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. 0.08 min

Lab File: VF060882.D

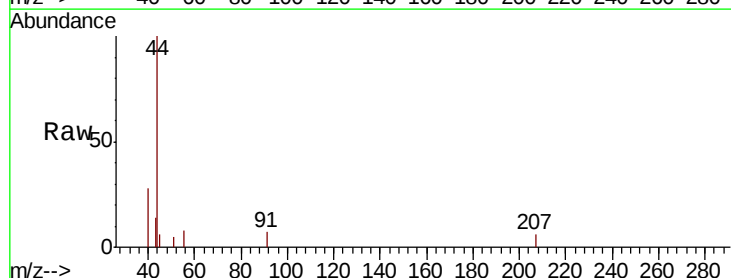
Acq: 29 Nov 2018 22:33

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

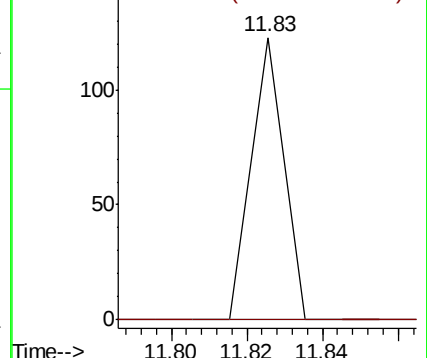
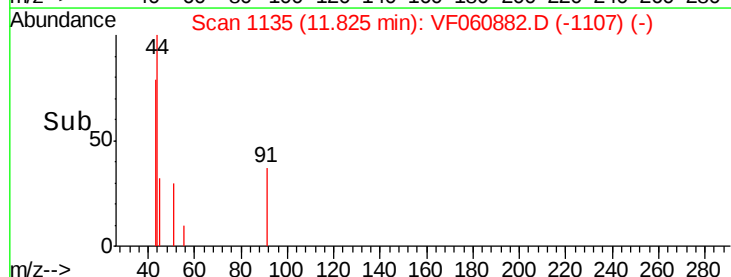
91 100

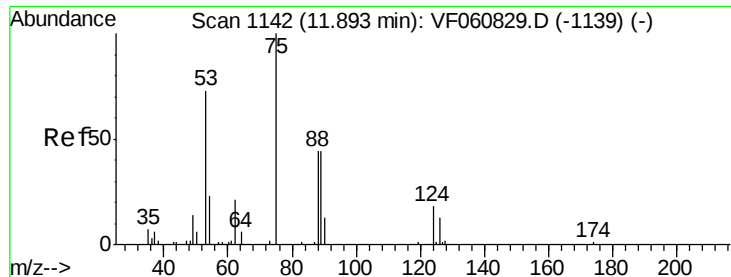
126 0.0 15.9 47.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.966 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. 0.10 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

S49-0483

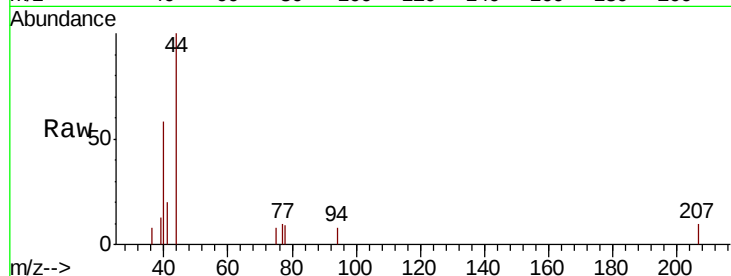
Tot Ion: 75 Resp: 61

Ion Ratio Lower Upper

75 100

53 0.0 65.9 98.9#

89 0.0 38.8 58.2#

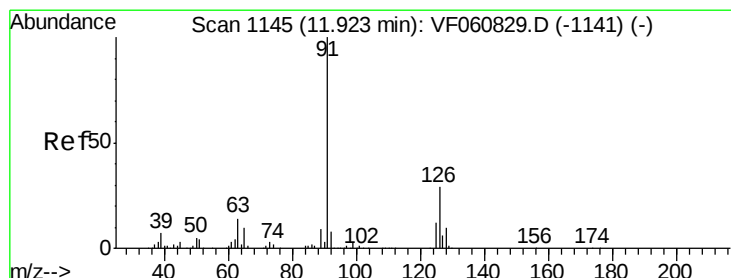
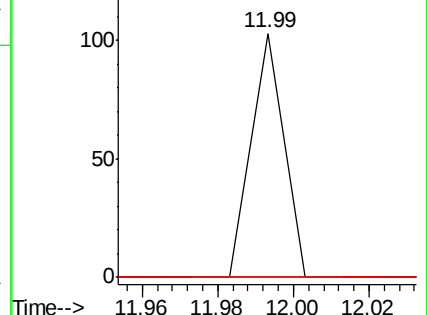
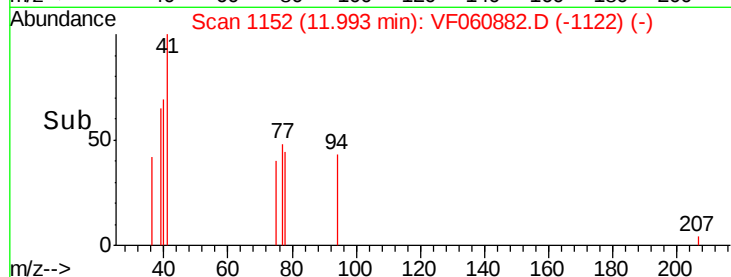


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0

11.99



#82

4-Chlorotoluene

Concen: 1.088 ug/l

RT: 11.83 min Scan# 1135

Delta R.T. -0.10 min

Lab File: VF060882.D

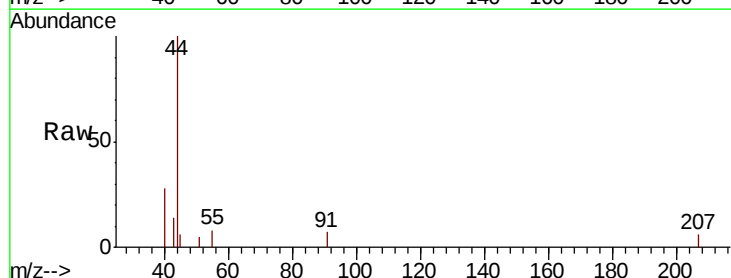
Acq: 29 Nov 2018 22:33

Tgt Ion: 91 Resp: 73

Ion Ratio Lower Upper

91 100

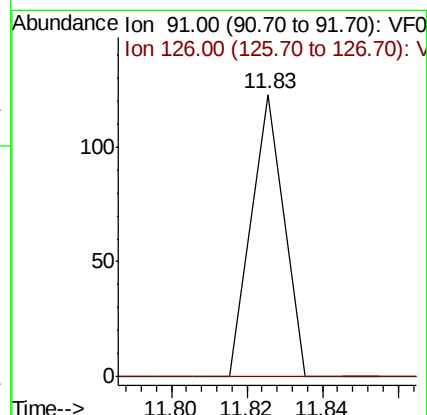
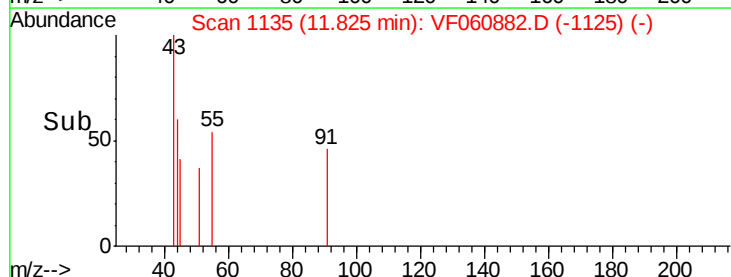
126 0.0 14.8 44.4#

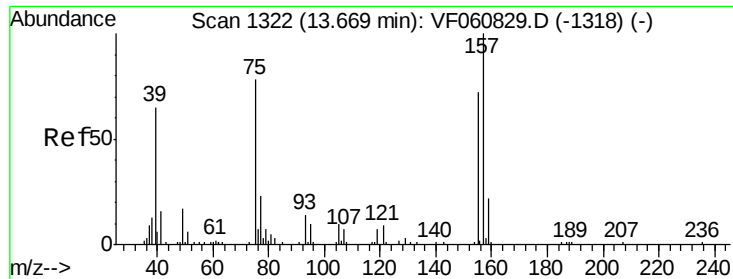


Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.83





#92

1,2-Dibromo-3-Chloropropane

Concen: 29.471 ug/l

RT: 13.80 min Scan# 1335

Delta R.T. 0.13 min

Lab File: VF060882.D

Acq: 29 Nov 2018 22:33

Instrument :

MSVOA_F

ClientSampleId :

S49-0483

Tot Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

155 0.0 45.6 136.9#

157 0.0 63.8 191.5#

