

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
 Data File : VL032530.D
 Acq On : 25 Sep 2018 4:58
 Operator : SY/AP
 Sample : J5034-01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-092018

Quant Time: Sep 25 05:36:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

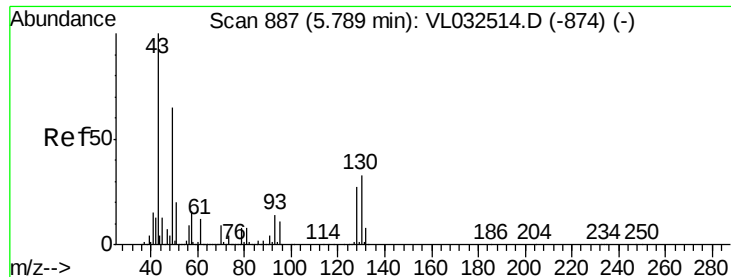
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1413830	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3297113	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	2902812	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2188026	10.00	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	68923	0.527	ppbv	96
3) Chlorodifluoromethane	3.17	51	8860	0.075	ppbv	96
4) Chloromethane	3.18	50	23857	0.348	ppbv	89
5) Vinyl Chloride	3.31	62	23781	0.343	ppbv	95
7) Chloroethane	3.62	64	16767	0.679	ppbv	94
8) Dichlorotetrafluoroethane	3.24	85	4407	0.031	ppbv #	72
9) Propene	3.26	41	1210458	23.729	ppbv	93
11) Trichlorofluoromethane	4.02	101	155709	1.002	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.58	101	127043	1.000	ppbv	100
13) Ethanol	3.67	45	999078	65.156	ppbv	97
15) Acetone	3.94	43	570814	4.600	ppbv #	77
16) 1,3-Butadiene	3.36	39	20292	0.403	ppbv #	1
17) tert-Butyl alcohol	4.40	59	33953	2.177	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	14385	0.242	ppbv #	78
19) Isopropyl Alcohol	4.05	45	189152	2.188	ppbv #	96
20) Methylene Chloride	4.43	84	124391	2.070	ppbv	96
21) Allyl Chloride	4.45	41	19602	0.193	ppbv #	55
22) trans-1,2-Dichloroethene	4.99	96	5525	0.099	ppbv	84
23) Vinyl Acetate	5.16	43	290351	1.324	ppbv #	1
24) 1,1-Dichloroethane	5.11	63	1560444	8.545	ppbv	100
25) Ethyl Acetate	5.80	43	287126	0.953	ppbv #	89
26) Hexane	5.81	57	201674	1.483	ppbv #	69
27) Carbon Disulfide	4.64	76	5952	0.041	ppbv #	7
29) Chloroform	5.87	83	437251	2.095	ppbv	96
30) Cyclohexane	7.28	84	577285	5.212	ppbv	98
31) cis-1,2-Dichloroethene	5.67	61	1399757	10.805	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	4864972	21.874	ppbv	98
34) 2-Butanone	5.37	43	18432	0.094	ppbv	100
35) Carbon Tetrachloride	7.17	117	42665	0.186	ppbv	97
37) 1,2-Dichloroethane	6.44	62	8316	0.052	ppbv #	81
38) Trichloroethene	7.99	130	5452628	53.462	ppbv	99
39) 1,2-Dichloropropane	7.98	63	10312	0.086	ppbv #	1
41) Tetrahydrofuran	6.19	42	84807	0.795	ppbv	98
42) Bromodichloromethane	7.95	83	16660	0.069	ppbv #	65
79) Naphthalene	22.44	128	9609	0.038	ppbv #	87
80) Naphthalene,2-methyl-	25.14	142	32087	0.547	ppbv	94

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

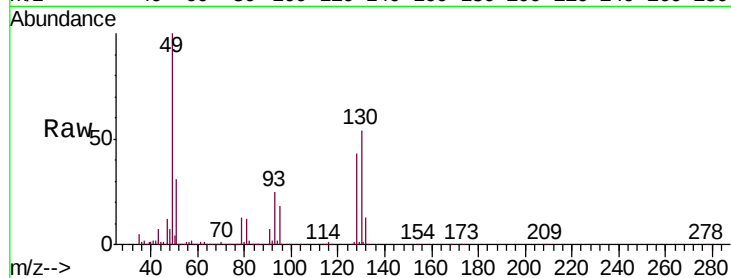
Tgt Ion: 49 Resp: 1413830

Ion Ratio Lower Upper

49 100

128 43.8 20.7 62.1

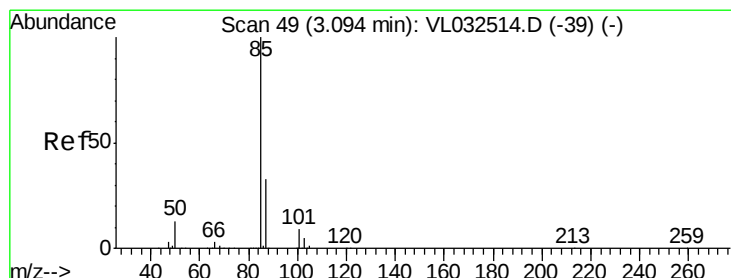
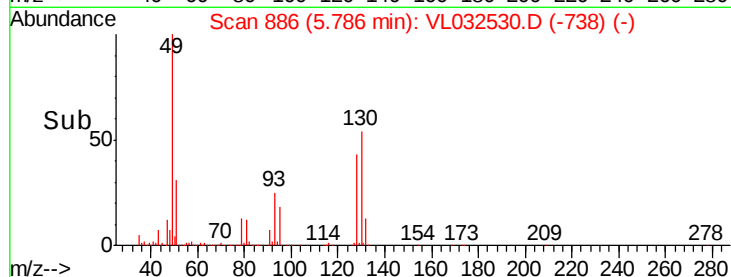
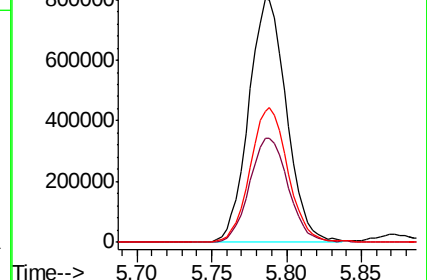
130 55.7 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.527 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032530.D

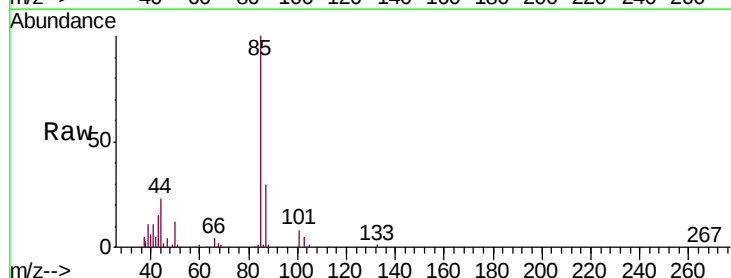
Acq: 25 Sep 2018 4:58

Tgt Ion: 85 Resp: 68923

Ion Ratio Lower Upper

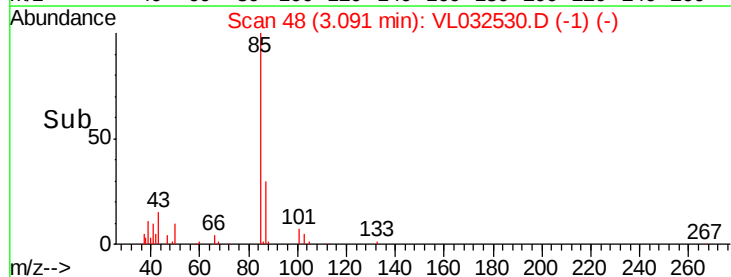
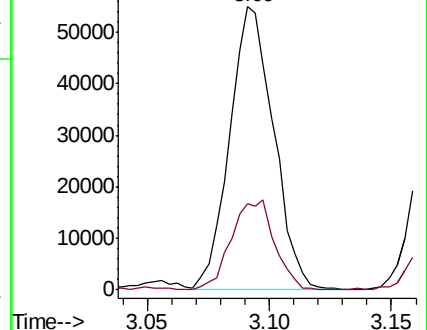
85 100

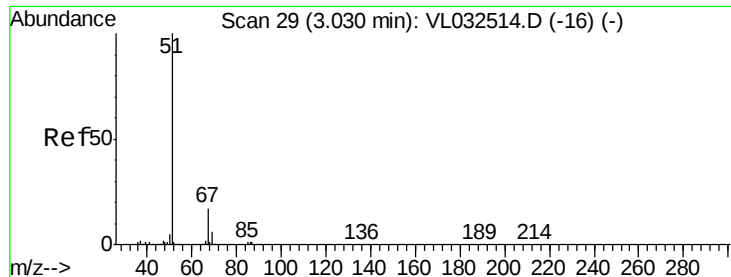
87 30.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.075 ppbv

RT: 3.17 min Scan# 73

Delta R.T. 0.13 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

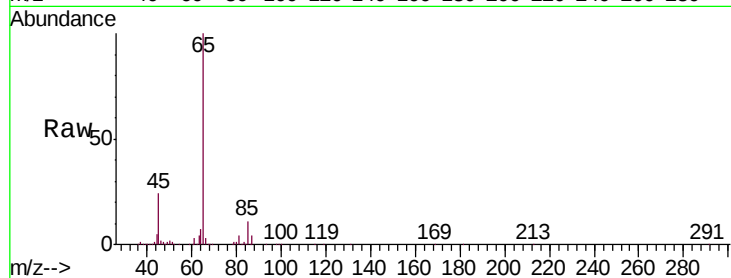
GAC-EFF-DUP-092018

Tgt Ion: 51 Resp: 8860

Ion Ratio Lower Upper

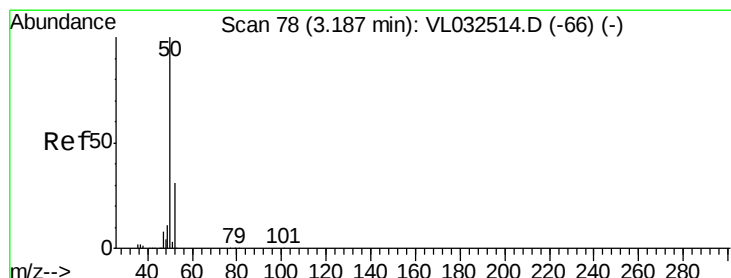
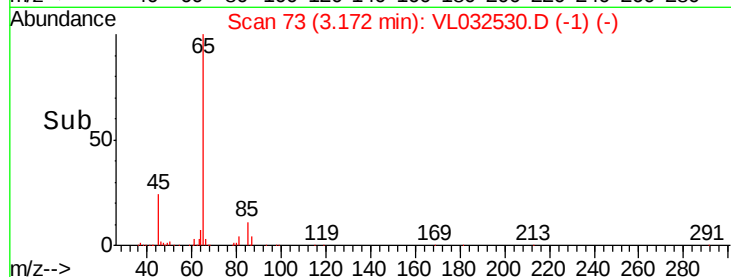
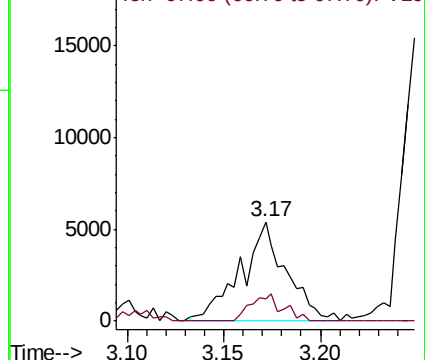
51 100

67 18.9 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.348 ppbv

RT: 3.18 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL032530.D

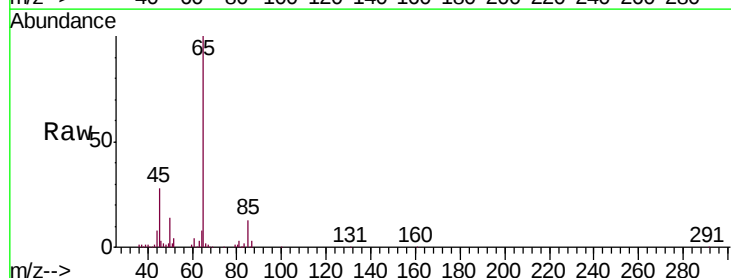
Acq: 25 Sep 2018 4:58

Tgt Ion: 50 Resp: 23857

Ion Ratio Lower Upper

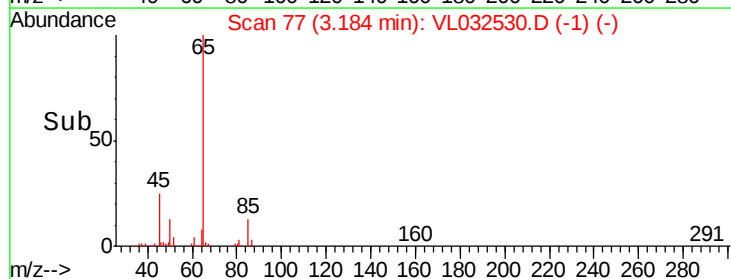
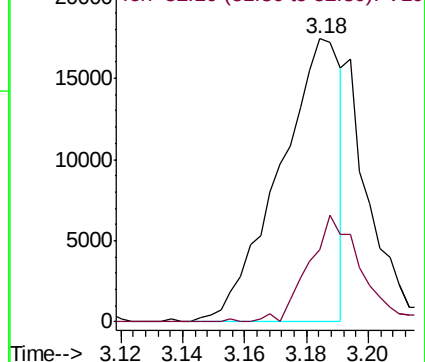
50 100

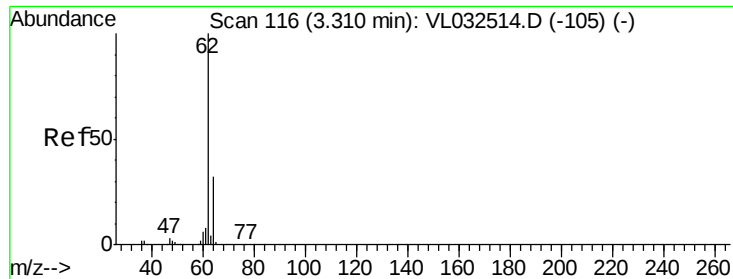
52 25.7 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.343 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

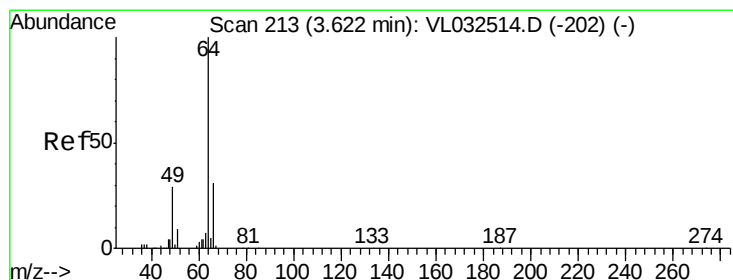
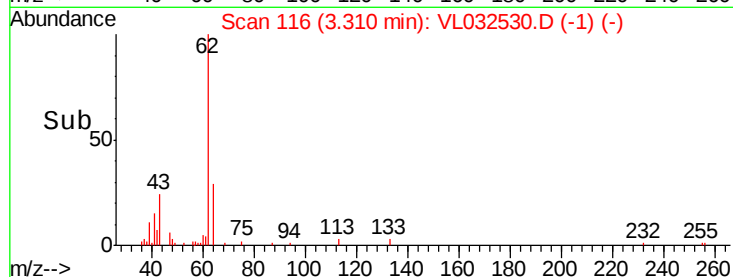
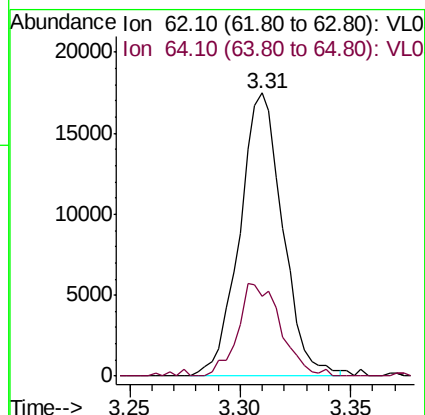
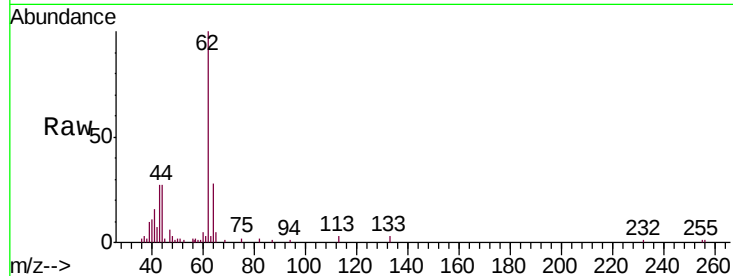
GAC-EFF-DUP-092018

Tgt Ion: 62 Resp: 23781

Ion Ratio Lower Upper

62 100

64 28.6 25.0 37.6



#7

Chloroethane

Concen: 0.679 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL032530.D

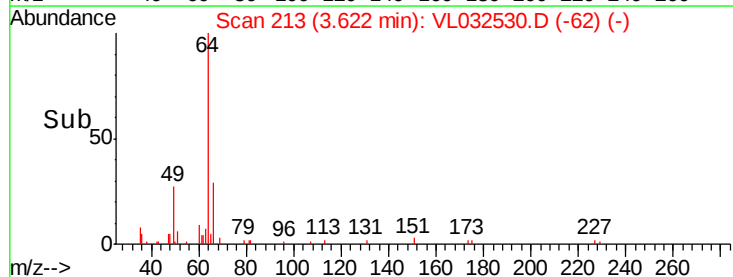
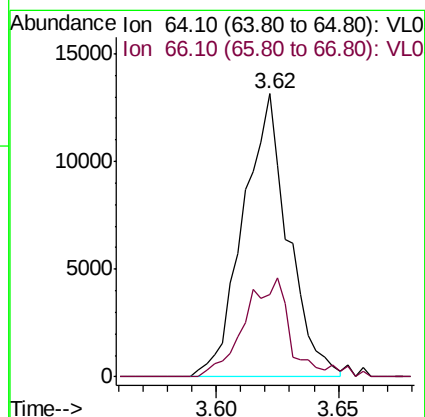
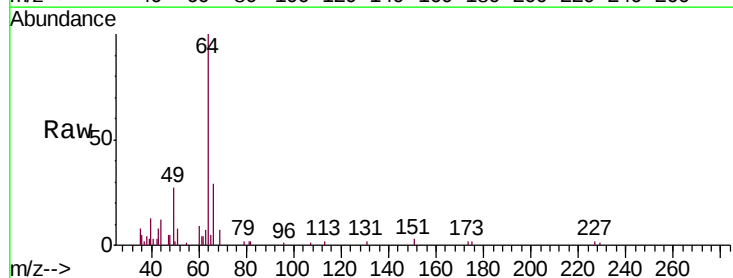
Acq: 25 Sep 2018 4:58

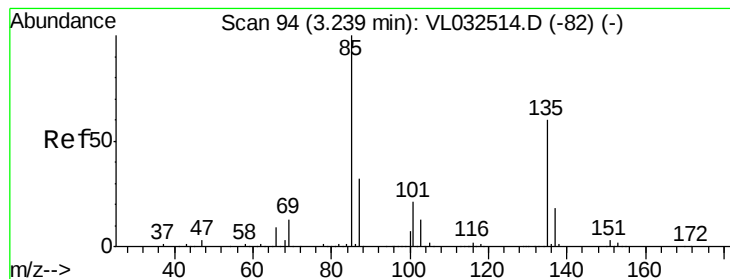
Tgt Ion: 64 Resp: 16767

Ion Ratio Lower Upper

64 100

66 28.9 25.8 38.6





#8

Dichlorotetrafluoroethane

Concen: 0.031 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

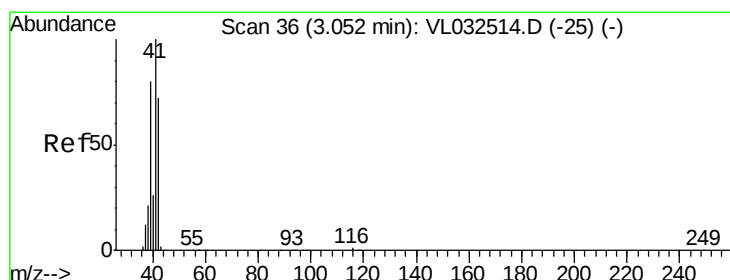
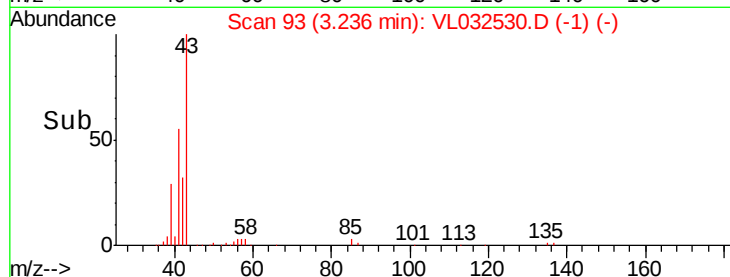
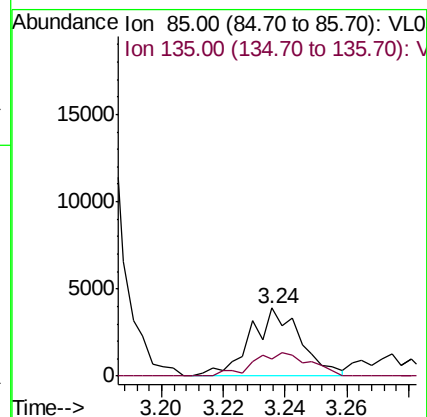
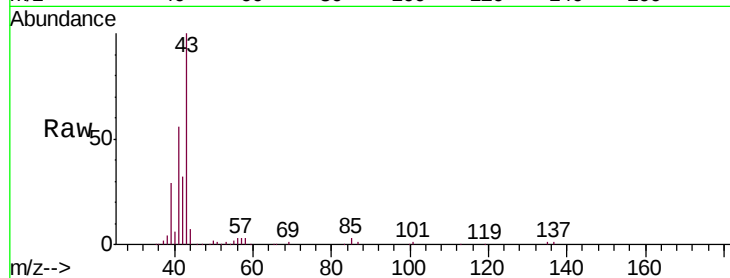
GAC-EFF-DUP-092018

Tgt Ion: 85 Resp: 4407

Ion Ratio Lower Upper

85 100

135 39.4 48.6 72.8#



#9

Propene

Concen: 23.729 ppbv

RT: 3.26 min Scan# 99

Delta R.T. 0.19 min

Lab File: VL032530.D

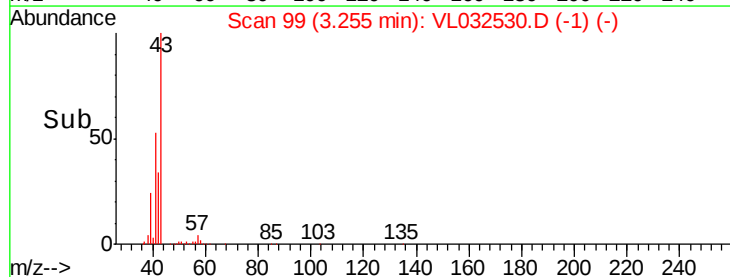
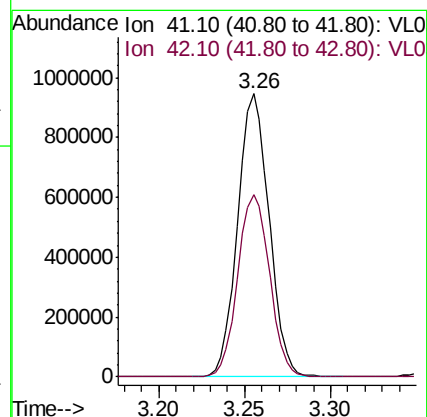
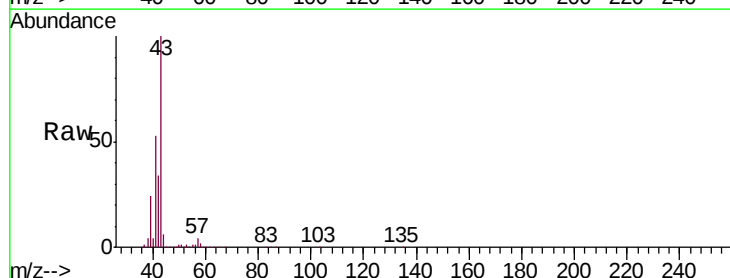
Acq: 25 Sep 2018 4:58

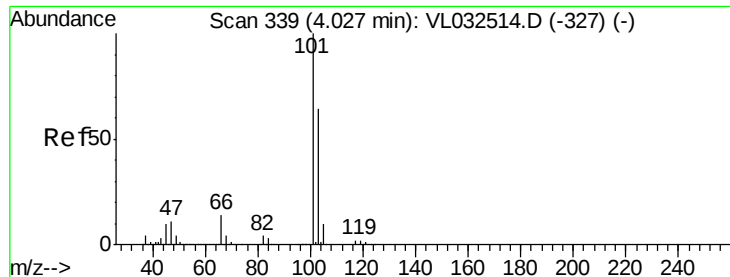
Tgt Ion: 41 Resp: 1210458

Ion Ratio Lower Upper

41 100

42 65.3 56.6 84.8





#11

Trichlorofluoromethane

Concen: 1.002 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

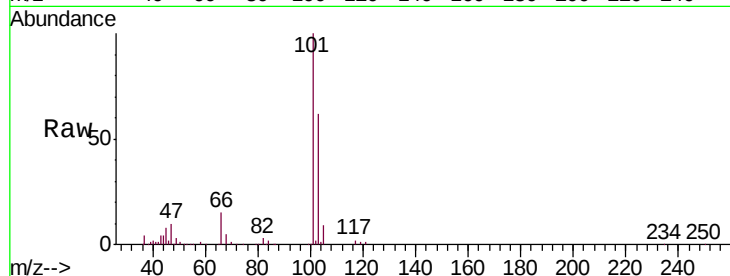
GAC-EFF-DUP-092018

Tgt Ion:101 Resp: 155709

Ion Ratio Lower Upper

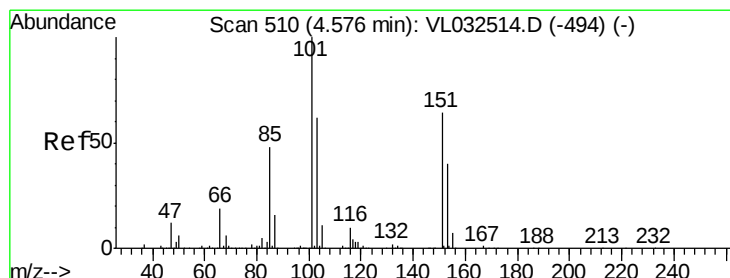
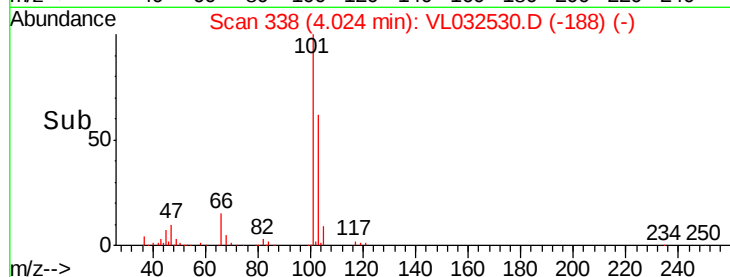
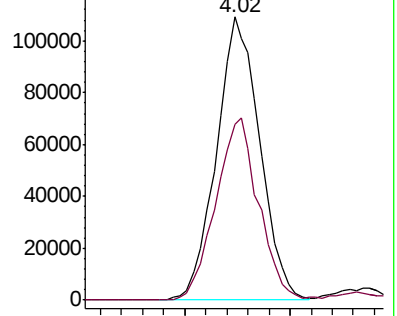
101 100

103 62.0 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.000 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032530.D

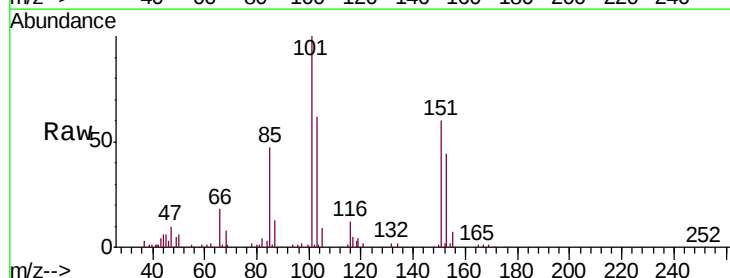
Acq: 25 Sep 2018 4:58

Tgt Ion:101 Resp: 127043

Ion Ratio Lower Upper

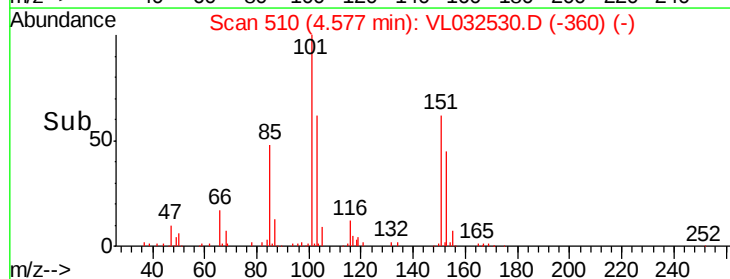
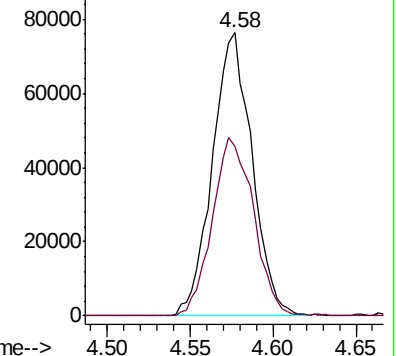
101 100

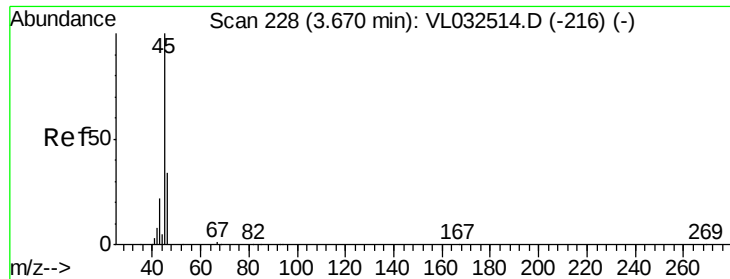
151 65.7 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 65.156 ppbv

RT: 3.67 min Scan# 227

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

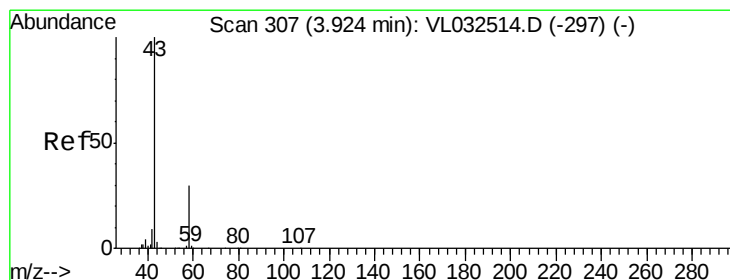
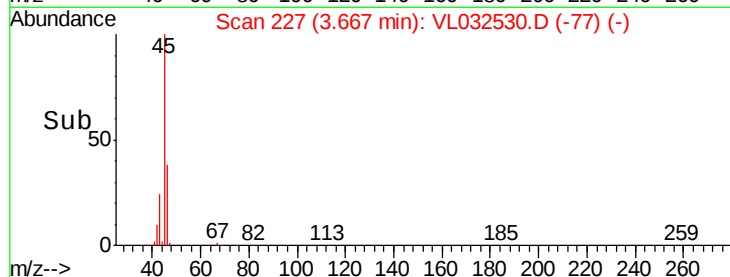
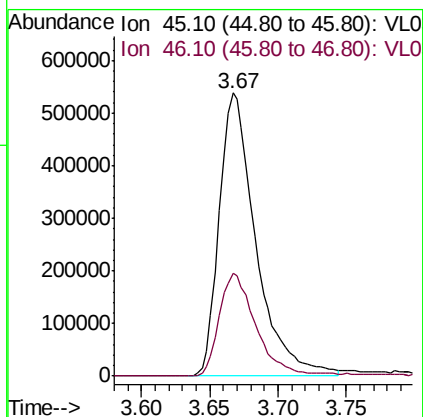
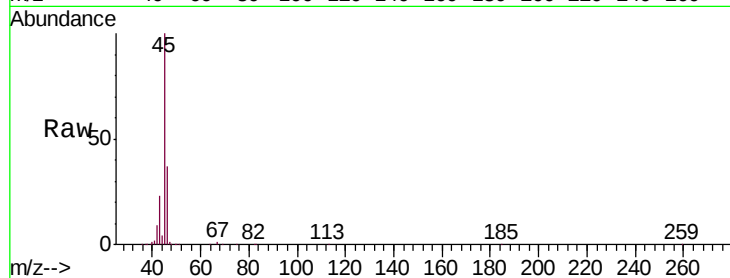
GAC-EFF-DUP-092018

Tgt Ion: 45 Resp: 999078

Ion Ratio Lower Upper

45 100

46 37.3 14.2 56.8



#15

Acetone

Concen: 4.600 ppbv

RT: 3.94 min Scan# 312

Delta R.T. 0.00 min

Lab File: VL032530.D

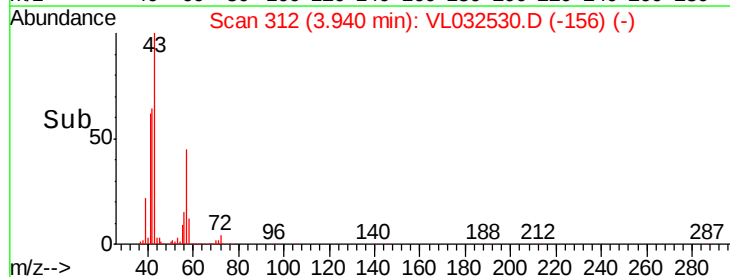
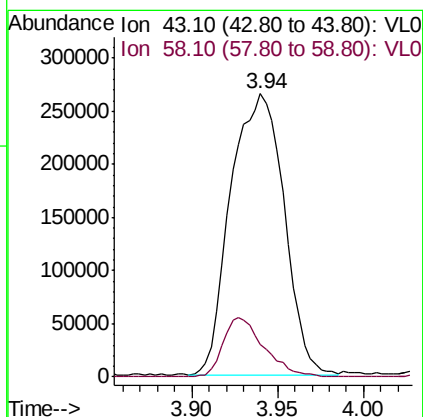
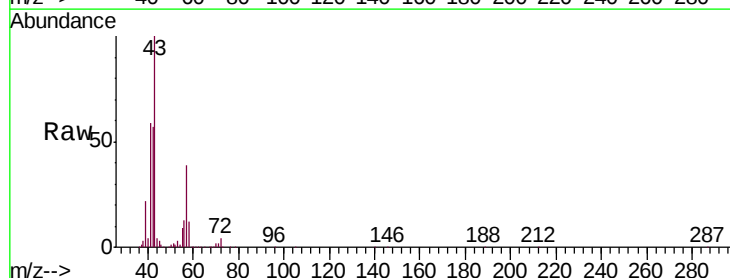
Acq: 25 Sep 2018 4:58

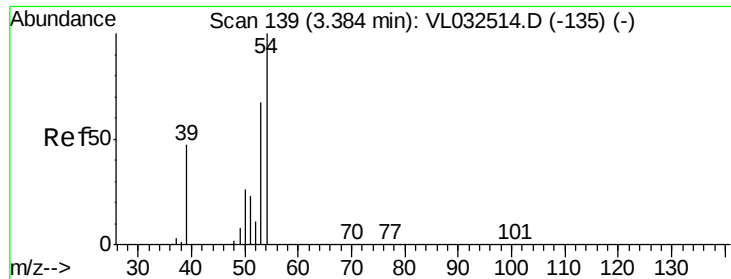
Tgt Ion: 43 Resp: 570814

Ion Ratio Lower Upper

43 100

58 16.3 22.6 33.8#

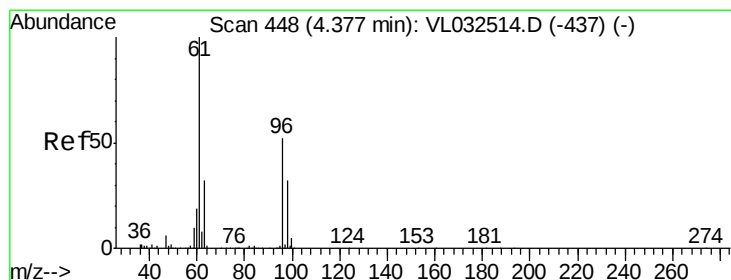
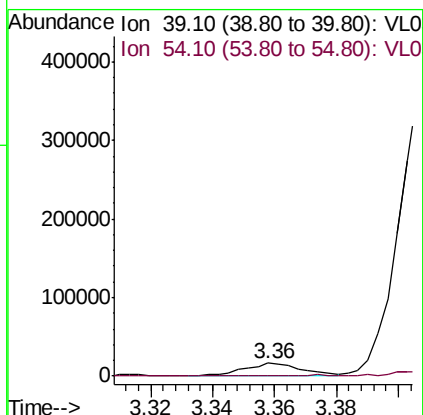
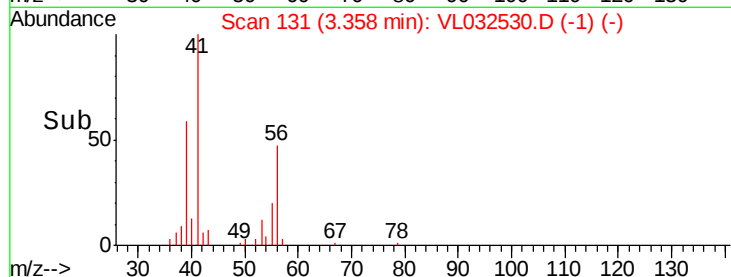
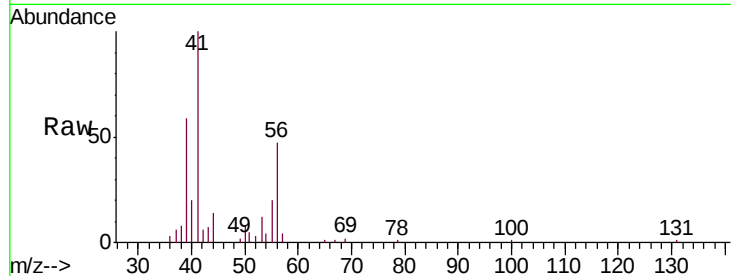




#16
1,3-Butadiene
Concen: 0.403 ppbv
RT: 3.36 min Scan# 131
Delta R.T. -0.04 min
Lab File: VL032530.D
Acq: 25 Sep 2018 4:58

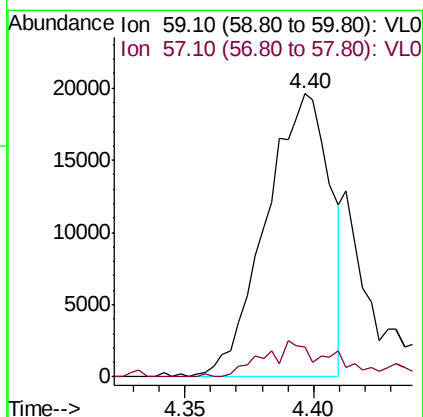
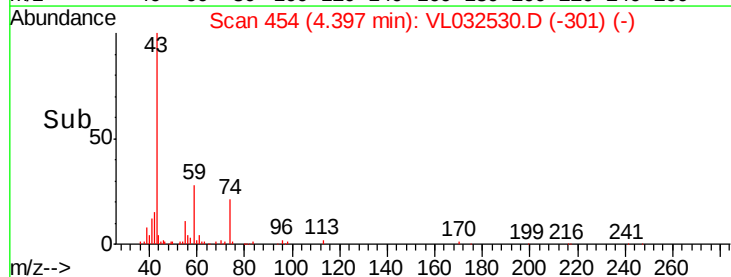
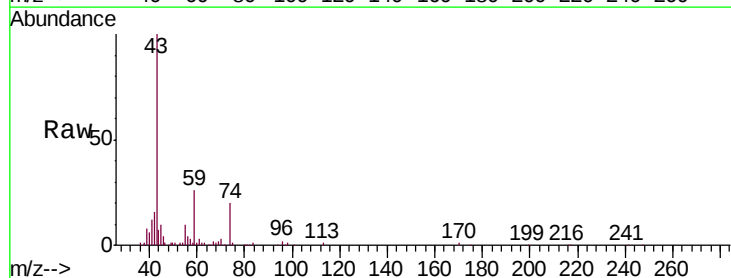
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018

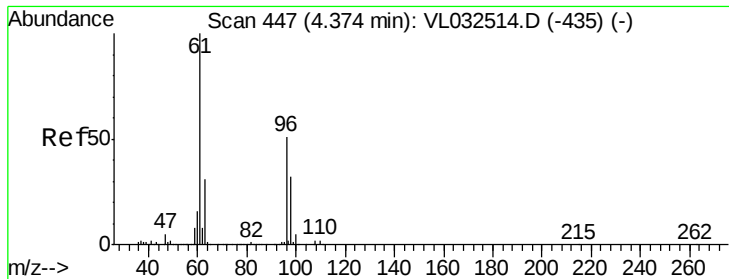
Tgt Ion: 39 Resp: 20292
Ion Ratio Lower Upper
39 100
54 0.0 80.8 121.2#



#17
tert-Butyl alcohol
Concen: 2.177 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.01 min
Lab File: VL032530.D
Acq: 25 Sep 2018 4:58

Tgt Ion: 59 Resp: 33953
Ion Ratio Lower Upper
59 100
57 16.5 0.0 0.0#





#18

1,1-Dichloroethene

Concen: 0.242 ppbv

RT: 4.37 min Scan# 447

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

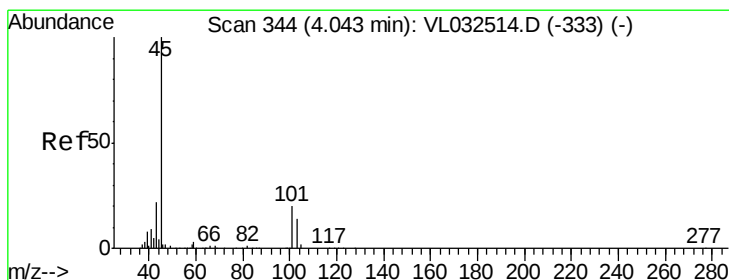
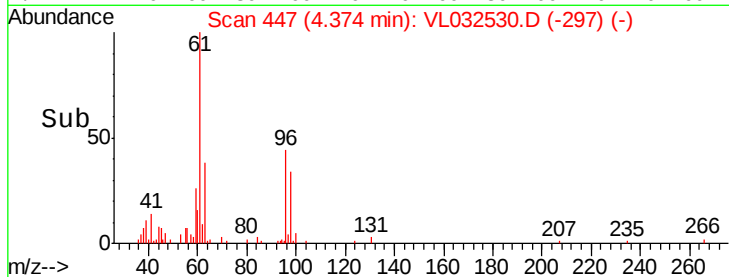
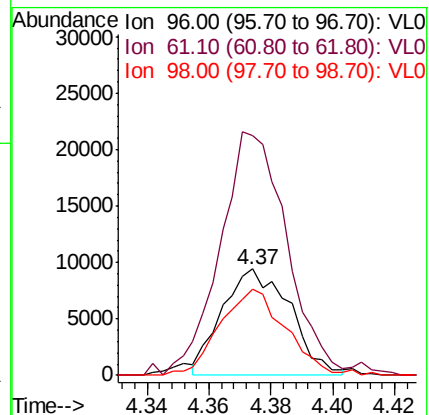
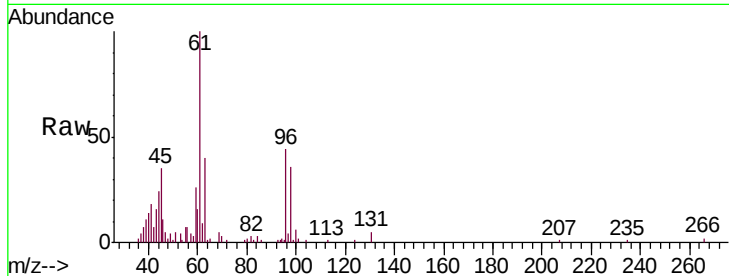
Tgt Ion: 96 Resp: 14385

Ion Ratio Lower Upper

96 100

61 230.6 159.2 238.8

98 82.6 51.0 76.4#



#19

Isopropyl Alcohol

Concen: 2.188 ppbv

RT: 4.05 min Scan# 346

Delta R.T. -0.01 min

Lab File: VL032530.D

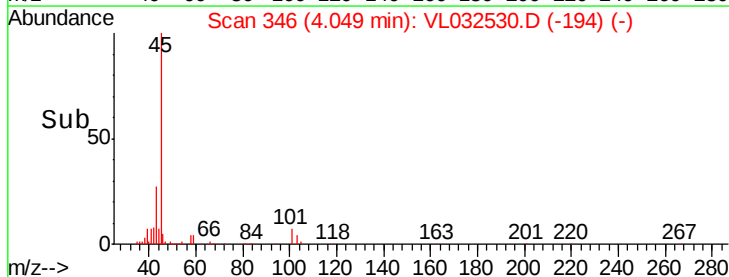
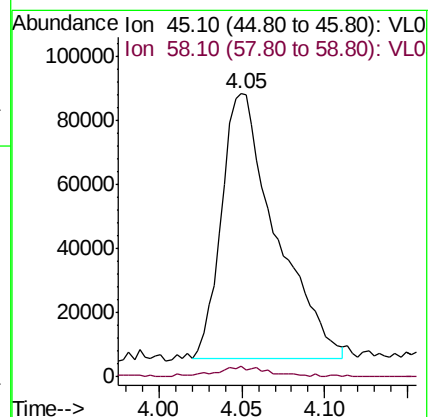
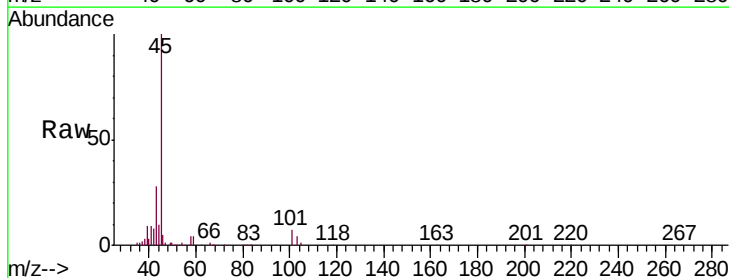
Acq: 25 Sep 2018 4:58

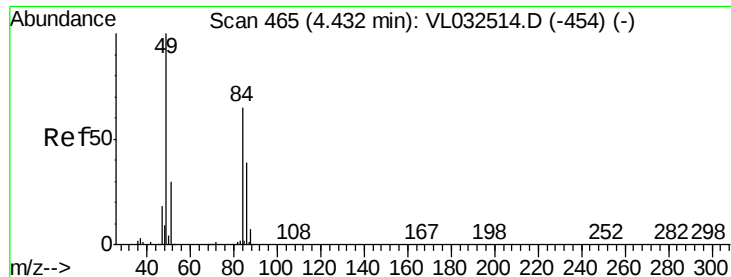
Tgt Ion: 45 Resp: 189152

Ion Ratio Lower Upper

45 100

58 3.8 2.0 3.0#

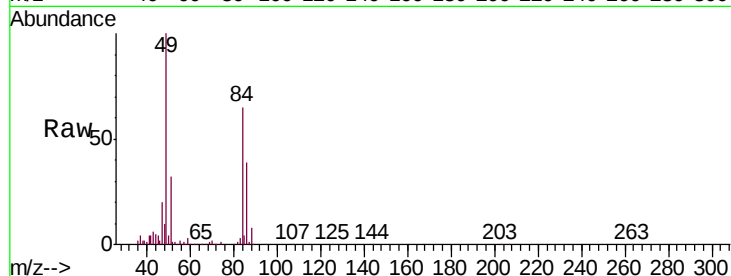




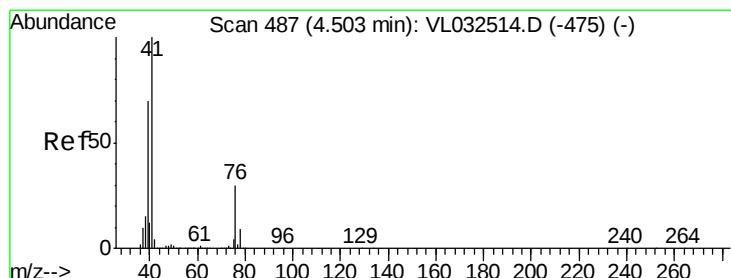
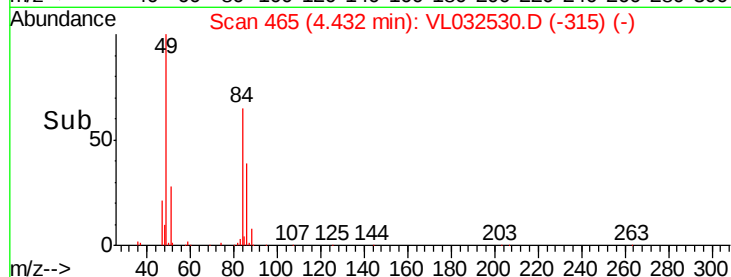
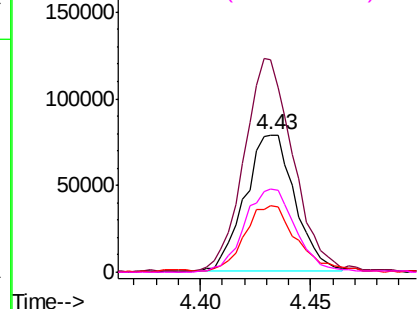
#20
Methylene Chloride
Concen: 2.070 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032530.D
Acq: 25 Sep 2018 4:58

Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018

Tgt Ion: 84 Resp: 124391
Ion Ratio Lower Upper
84 100
49 154.3 119.1 178.7
51 48.7 35.2 52.8
86 60.8 49.4 74.2

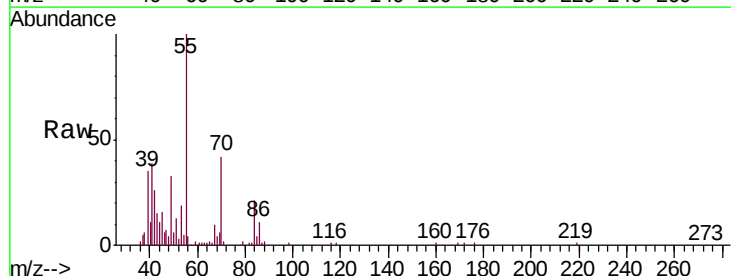


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

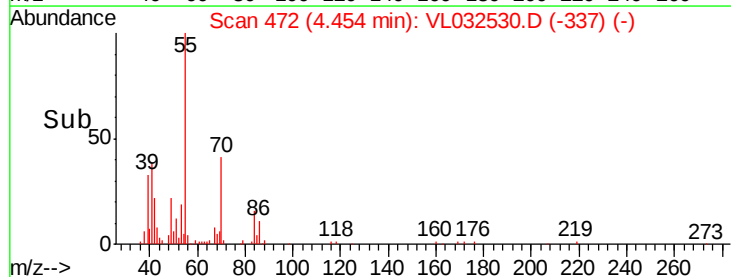
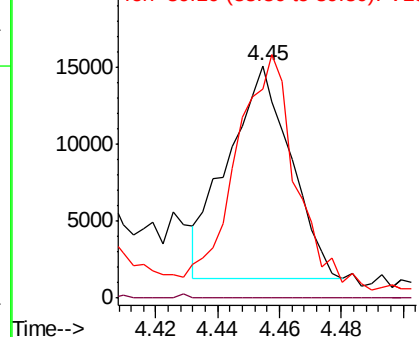


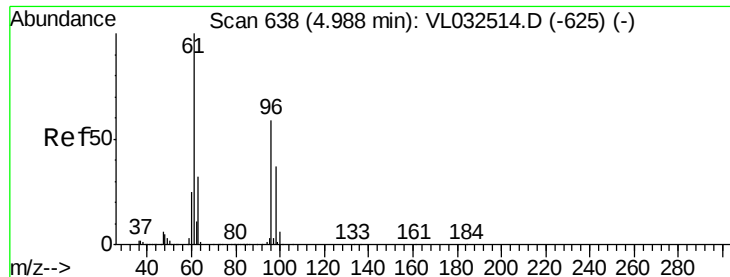
#21
Allyl Chloride
Concen: 0.193 ppbv
RT: 4.45 min Scan# 472
Delta R.T. -0.07 min
Lab File: VL032530.D
Acq: 25 Sep 2018 4:58

Tgt Ion: 41 Resp: 19602
Ion Ratio Lower Upper
41 100
76 0.0 23.6 35.4#
39 106.1 57.7 86.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.099 ppbv

RT: 4.99 min Scan# 639

Delta R.T. -0.01 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

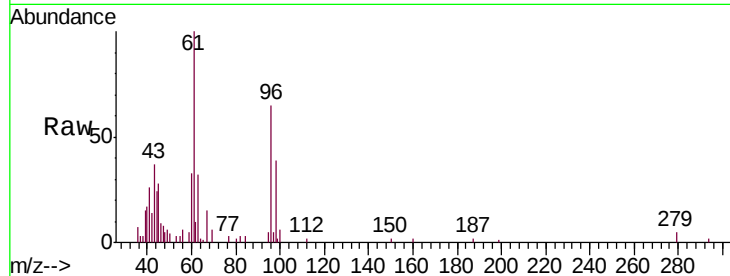
Tgt Ion: 96 Resp: 5525

Ion Ratio Lower Upper

96 100

61 141.1 136.2 204.4

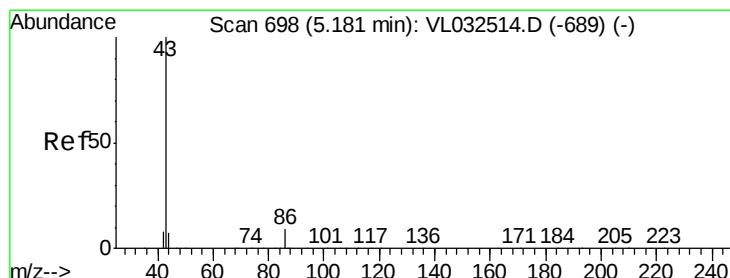
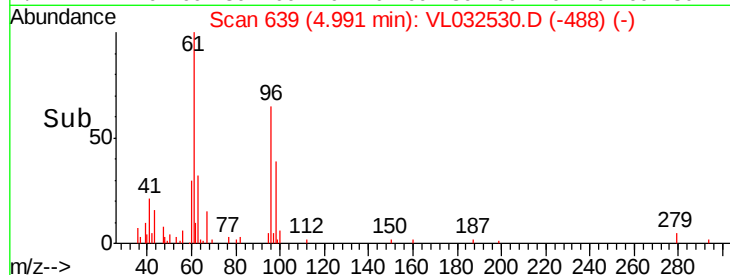
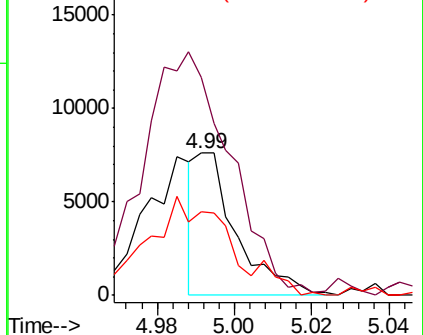
98 62.3 50.4 75.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 1.324 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.04 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Tgt Ion: 43 Resp: 290351

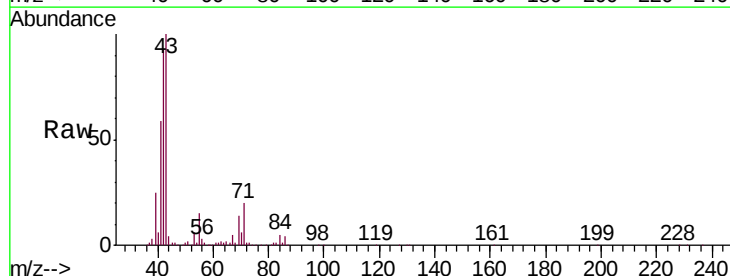
Ion Ratio Lower Upper

43 100

86 2.6 5.9 8.9#

42 93.1 6.9 10.3#

44 2.4 4.6 7.0#

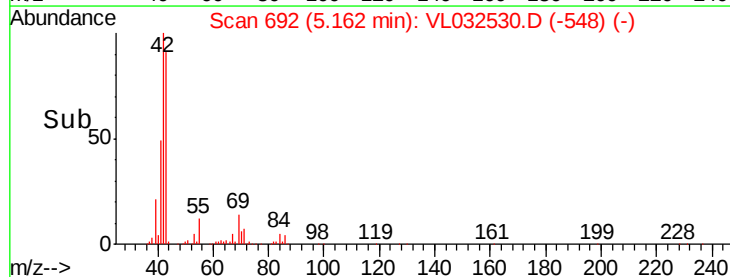
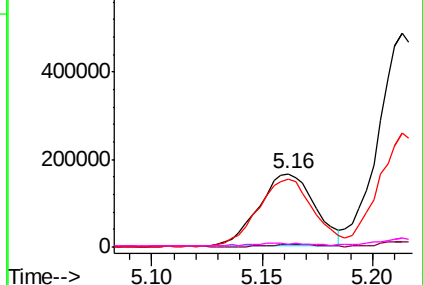


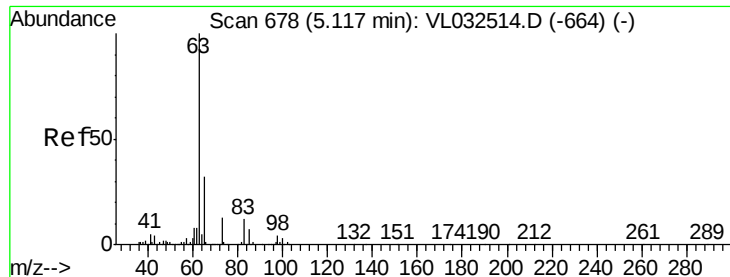
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 8.545 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

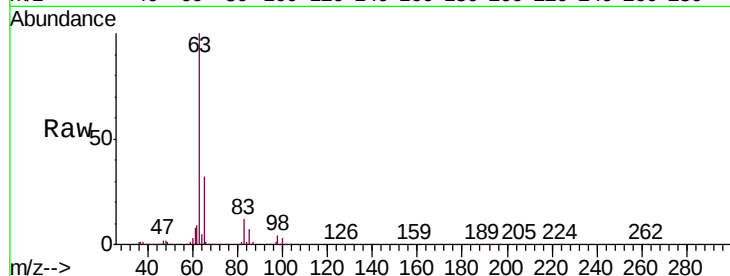
Tgt Ion: 63 Resp: 1560444

Ion Ratio Lower Upper

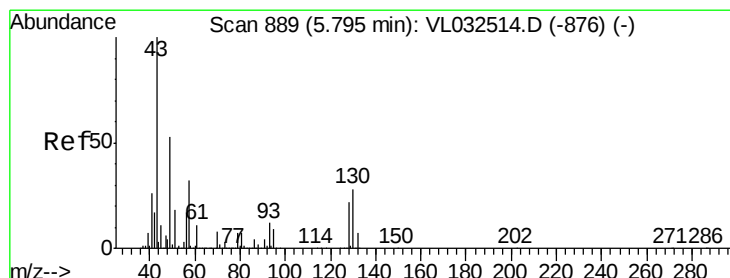
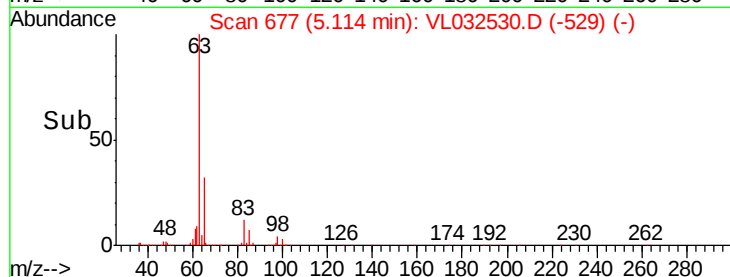
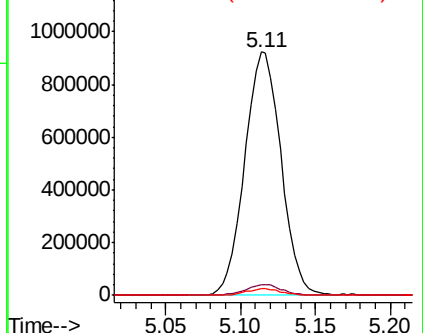
63 100

98 4.2 2.1 6.5

100 2.8 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#25

Ethyl Acetate

Concen: 0.953 ppbv

RT: 5.80 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Tgt Ion: 43 Resp: 287126

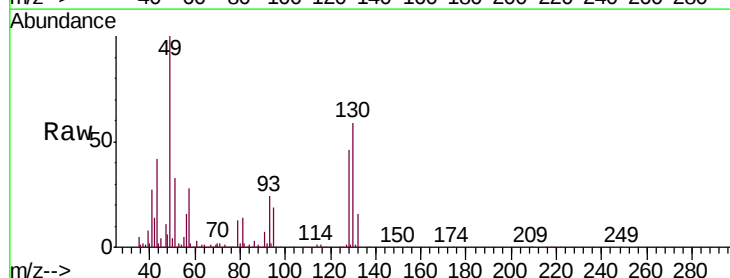
Ion Ratio Lower Upper

43 100

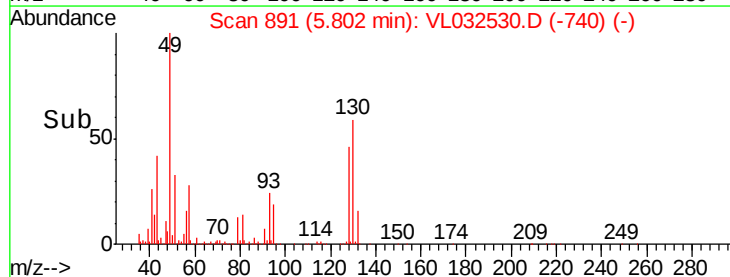
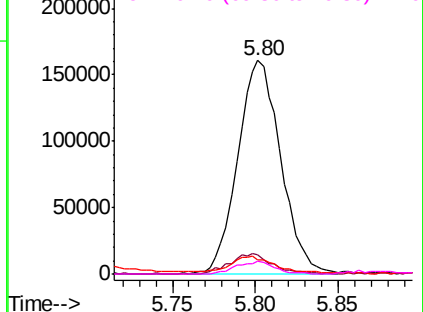
45 9.8 8.0 12.0

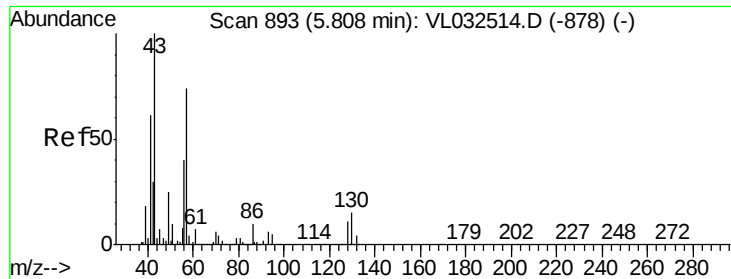
61 0.0 7.6 11.4#

70 5.5 5.8 8.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 1.483 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

Tgt Ion: 57 Resp: 201674

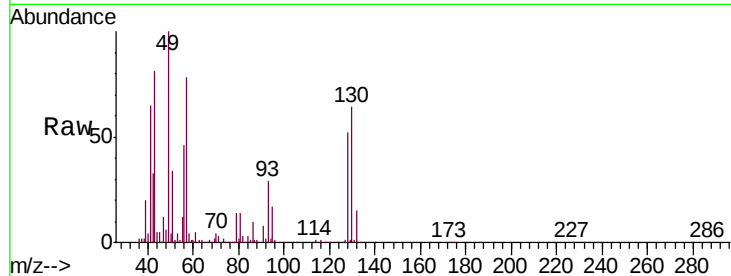
Ion Ratio Lower Upper

57 100

41 93.6 69.0 103.4

43 143.8 172.1 258.1#

56 59.6 42.2 63.2

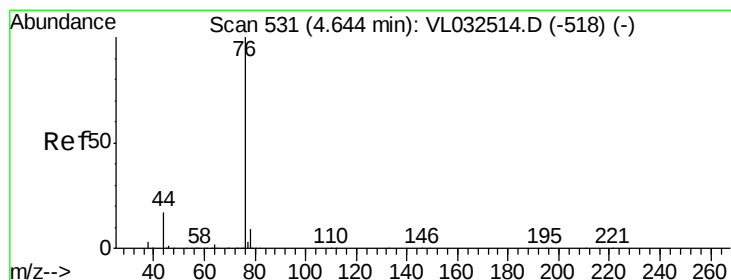
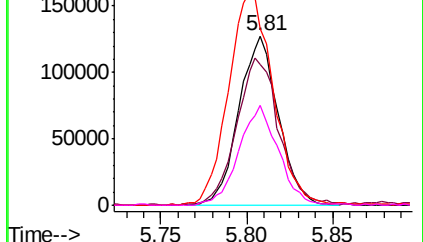
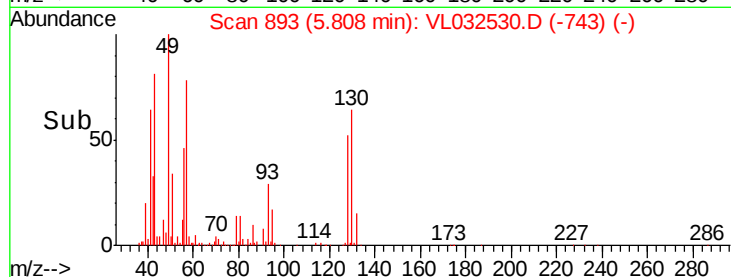


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#27

Carbon Disulfide

Concen: 0.041 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

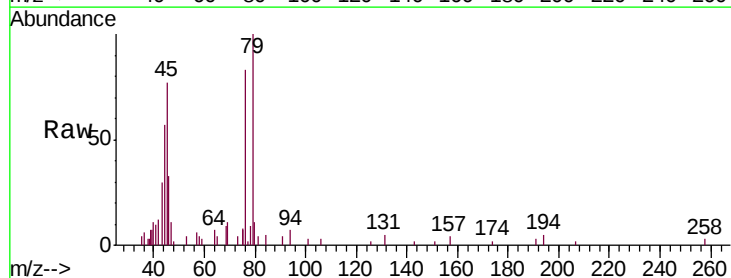
Tgt Ion: 76 Resp: 5952

Ion Ratio Lower Upper

76 100

44 74.1 14.0 21.0#

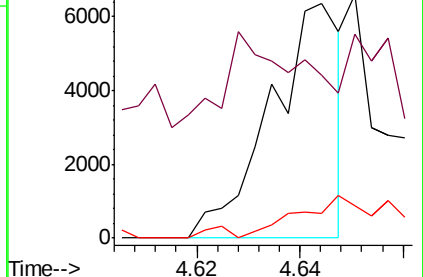
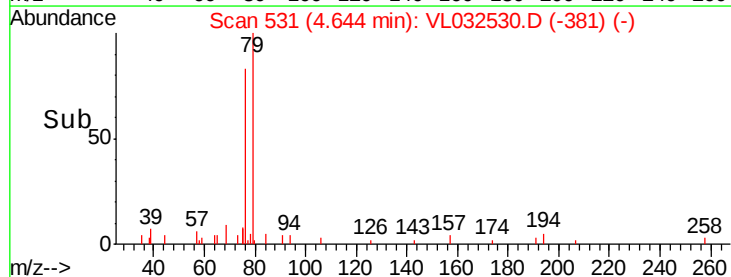
78 0.0 7.5 11.3#

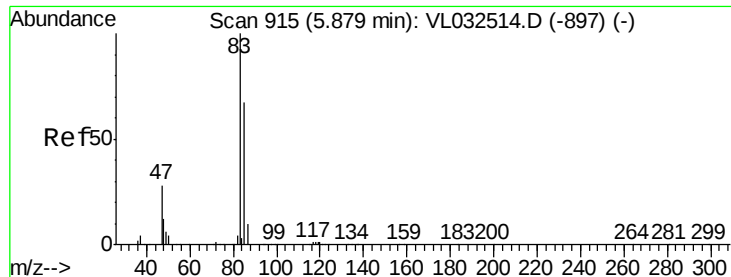


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 2.095 ppbv

RT: 5.87 min Scan# 913

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

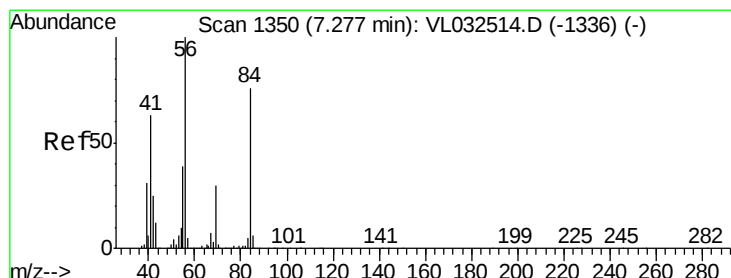
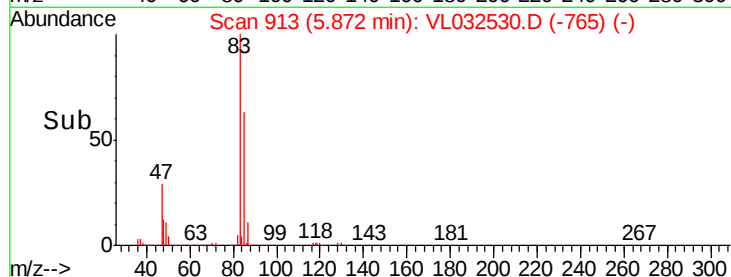
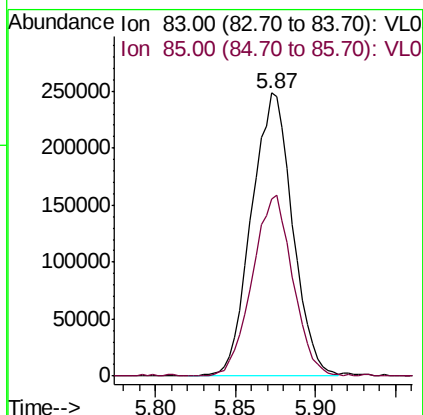
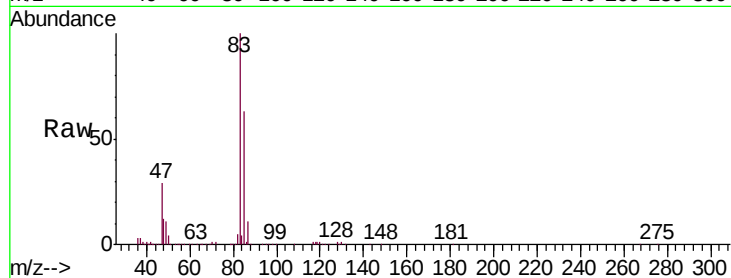
GAC-EFF-DUP-092018

Tgt Ion: 83 Resp: 437251

Ion Ratio Lower Upper

83 100

85 62.3 52.5 78.7



#30

Cyclohexane

Concen: 5.212 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

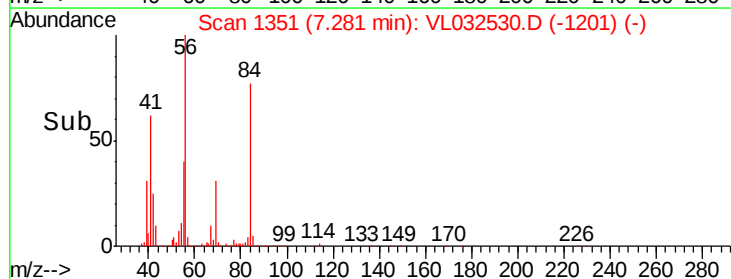
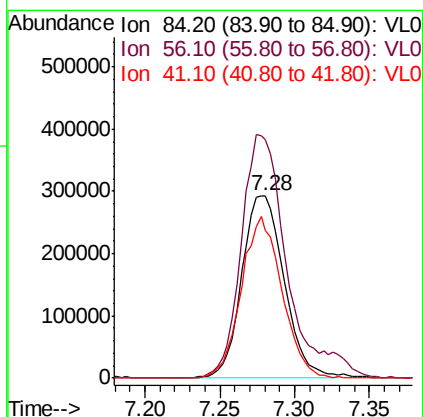
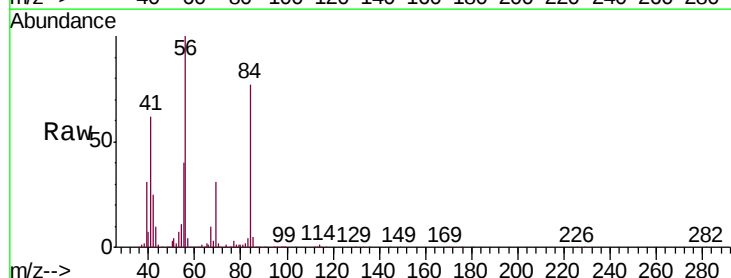
Tgt Ion: 84 Resp: 577285

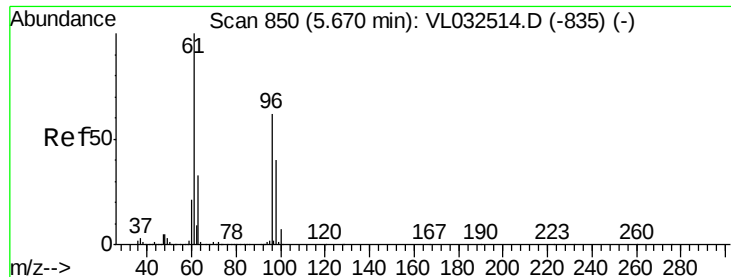
Ion Ratio Lower Upper

84 100

56 145.1 113.5 170.3

41 85.1 68.1 102.1





#31

cis-1,2-Dichloroethene

Concen: 10.805 ppbv

RT: 5.67 min Scan# 849

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

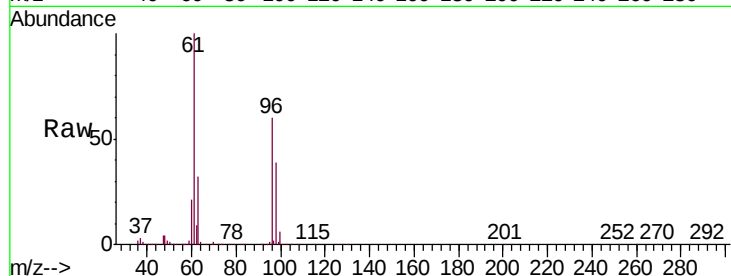
MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

Tgt Ion: 61 Resp: 1399757

Ion	Ratio	Lower	Upper
61	100		
96	60.0	49.2	73.8
98	39.4	30.7	46.1

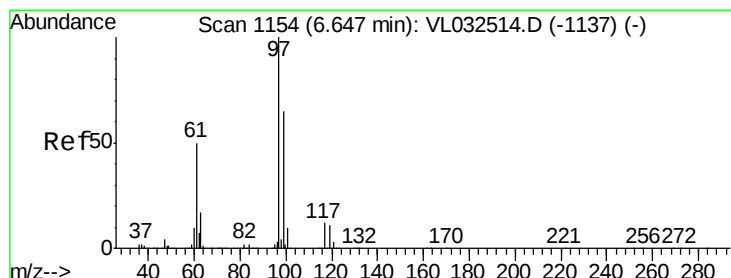
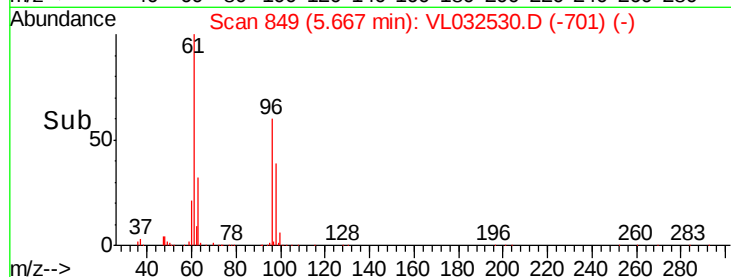
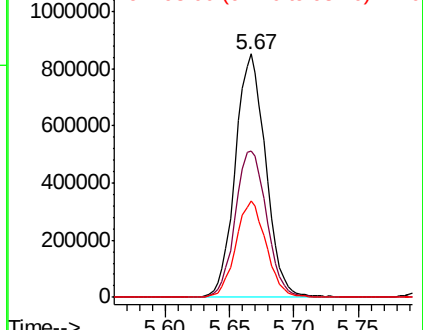


Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 21.874 ppbv

RT: 6.65 min Scan# 1154

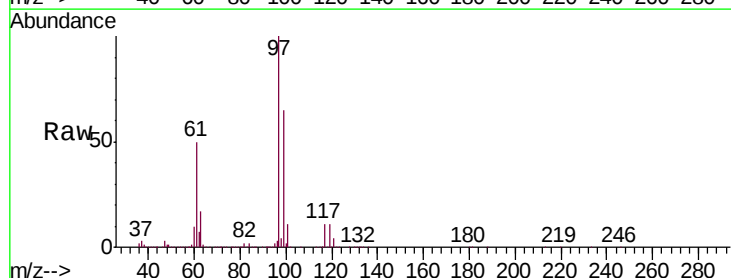
Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Tgt Ion: 97 Resp: 4864972

Ion	Ratio	Lower	Upper
97	100		
99	64.6	52.1	78.1
61	51.0	42.5	63.7

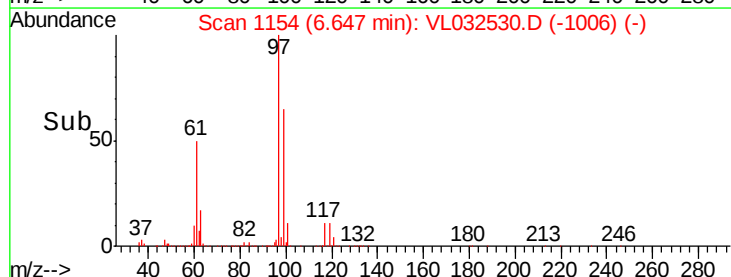
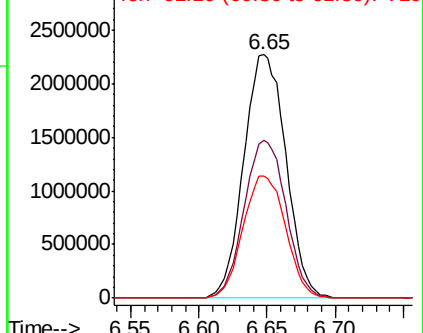


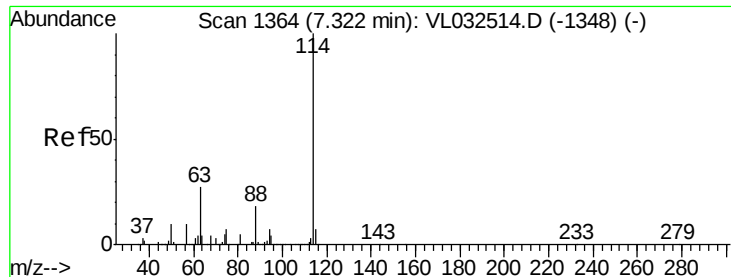
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

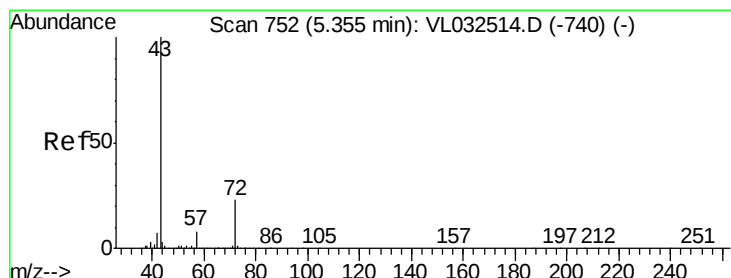
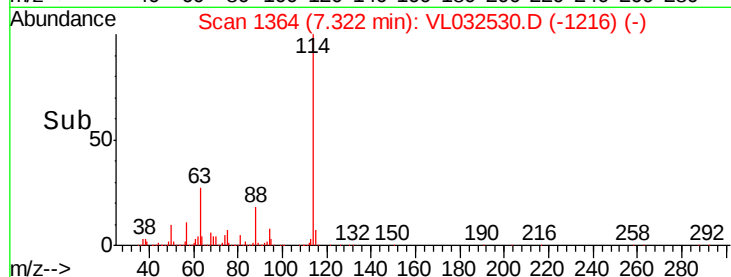
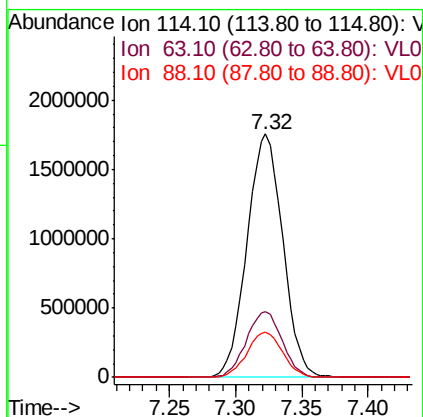
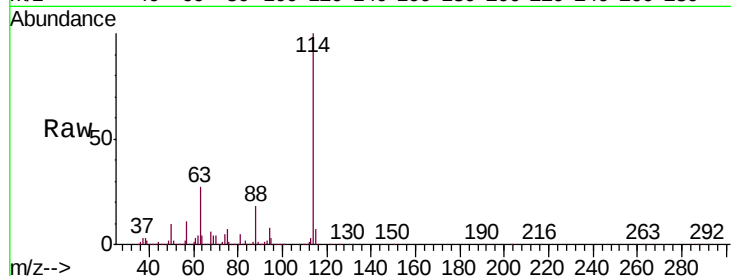




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032530.D
 Acq: 25 Sep 2018 4:58

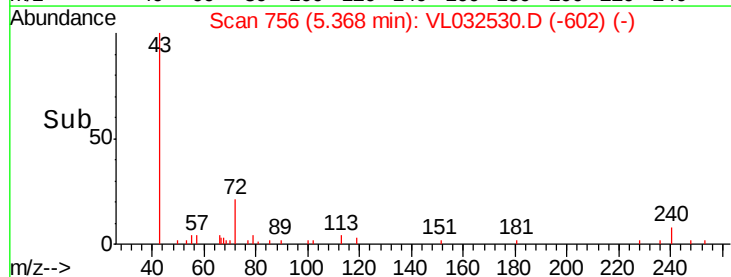
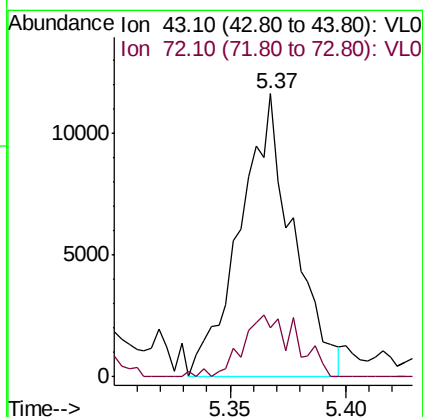
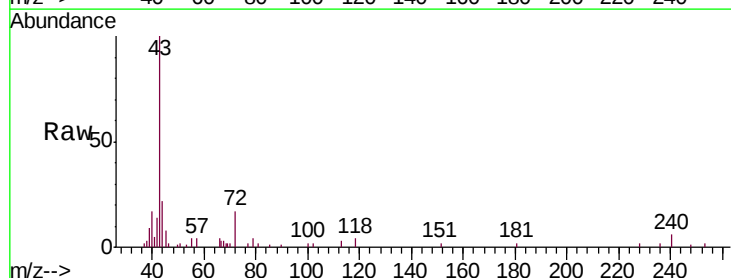
Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-092018

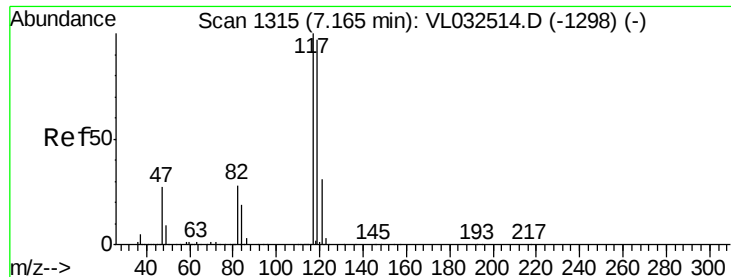
Tgt Ion:114 Resp: 3297113
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.2 33.4
 88 18.5 15.0 22.4



#34
 2-Butanone
 Concen: 0.094 ppbv
 RT: 5.37 min Scan# 756
 Delta R.T. -0.01 min
 Lab File: VL032530.D
 Acq: 25 Sep 2018 4:58

Tgt Ion: 43 Resp: 18432
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.8 26.6





#35

Carbon Tetrachloride

Concen: 0.186 ppbv

RT: 7.17 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

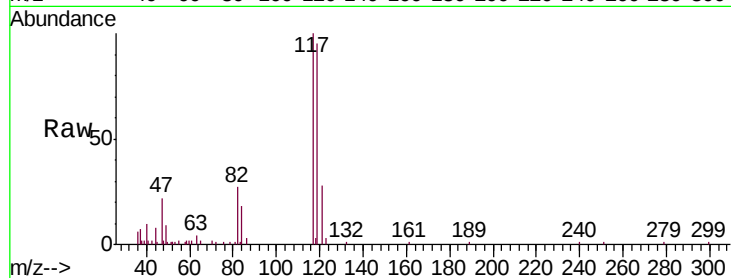
Tgt Ion:117 Resp: 42665

Ion Ratio Lower Upper

117 100

119 93.7 76.6 115.0

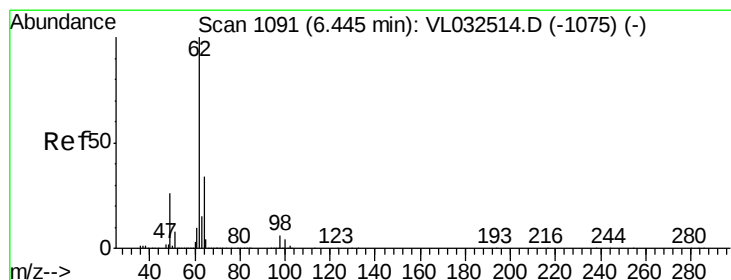
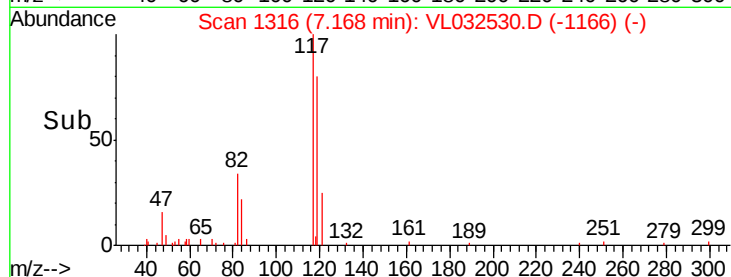
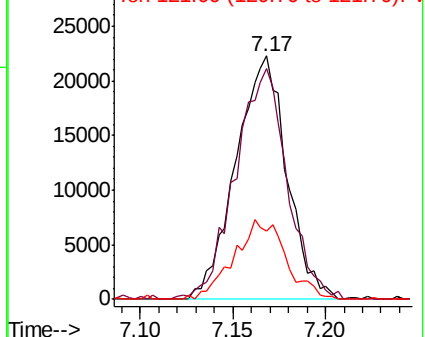
121 27.9 24.6 36.8



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



#37

1,2-Dichloroethane

Concen: 0.052 ppbv

RT: 6.44 min Scan# 1089

Delta R.T. -0.02 min

Lab File: VL032530.D

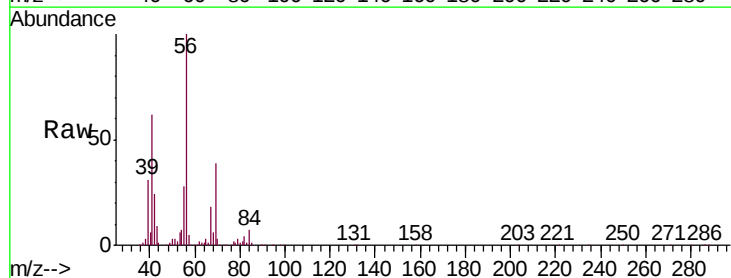
Acq: 25 Sep 2018 4:58

Tgt Ion: 62 Resp: 8316

Ion Ratio Lower Upper

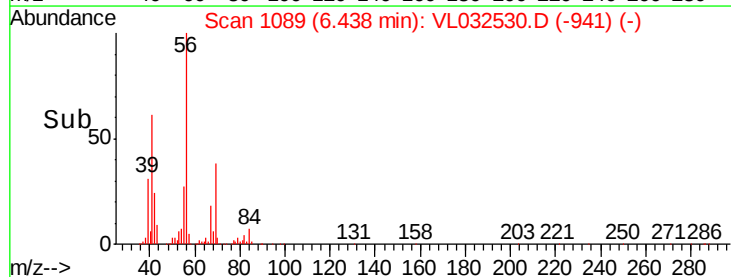
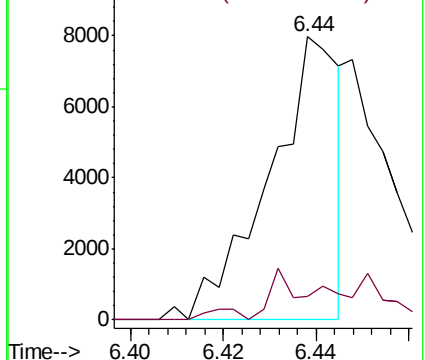
62 100

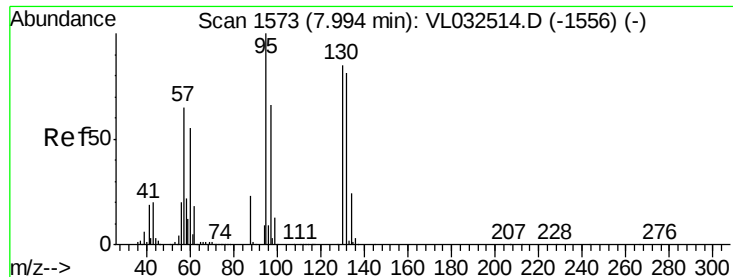
98 0.0 5.0 7.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

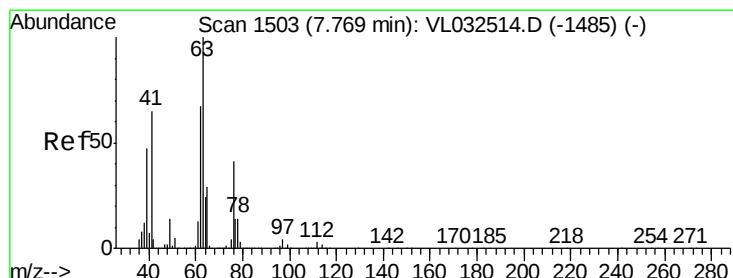
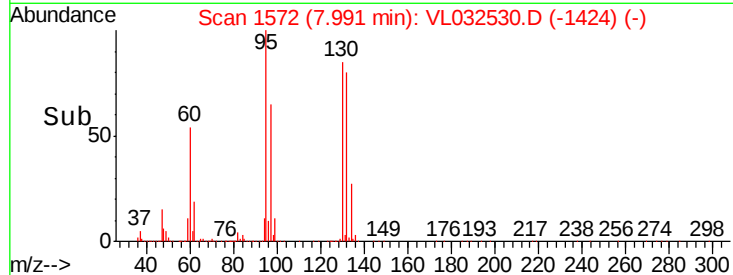
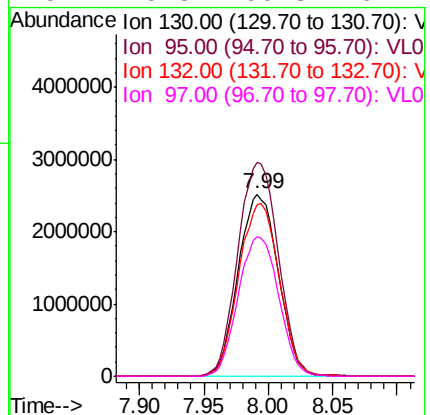
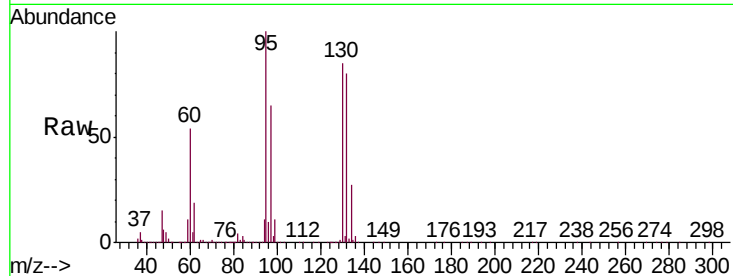




#38
 Trichloroethene
 Concen: 53.462 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032530.D
 Acq: 25 Sep 2018 4:58

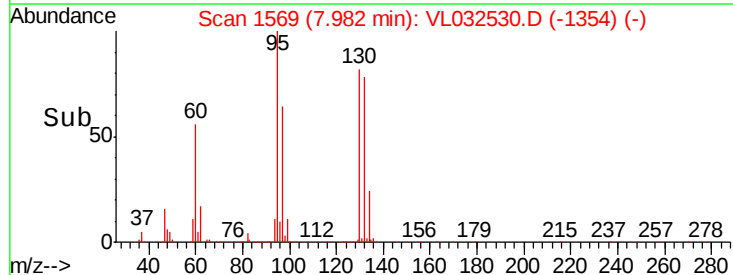
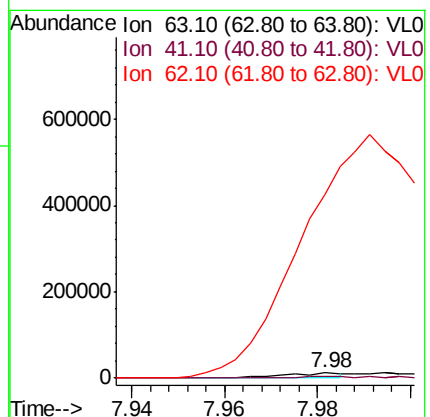
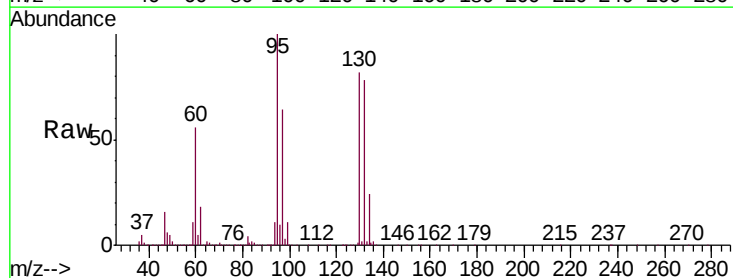
Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-DUP-092018

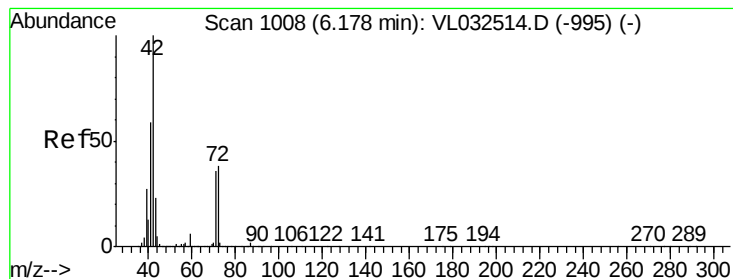
Tgt Ion:130 Resp: 5452628
 Ion Ratio Lower Upper
 130 100
 95 117.5 94.2 141.4
 132 94.4 76.2 114.4
 97 76.8 60.8 91.2



#39
 1,2-Dichloropropane
 Concen: 0.086 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.19 min
 Lab File: VL032530.D
 Acq: 25 Sep 2018 4:58

Tgt Ion: 63 Resp: 10312
 Ion Ratio Lower Upper
 63 100
 41 9.4 55.4 83.0#
 62 3681.0 55.4 83.0#





#41

Tetrahydrofuran

Concen: 0.795 ppbv

RT: 6.19 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

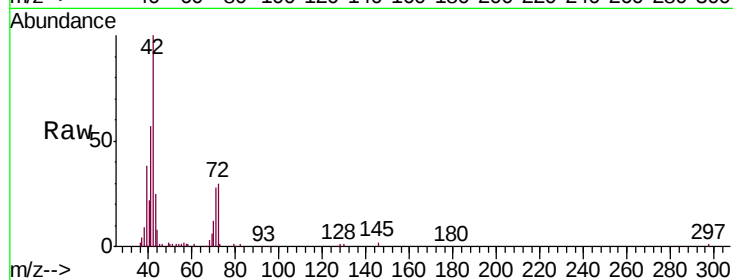
Tgt Ion: 42 Resp: 84807

Ion Ratio Lower Upper

42 100

72 36.7 29.5 44.3

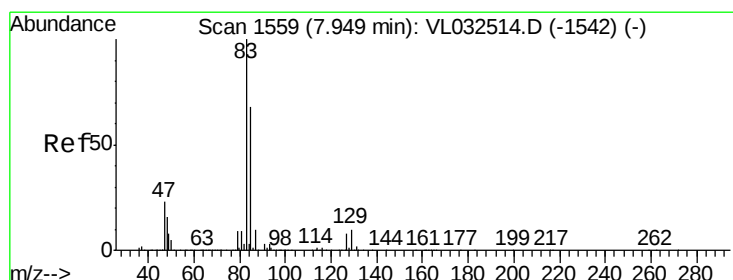
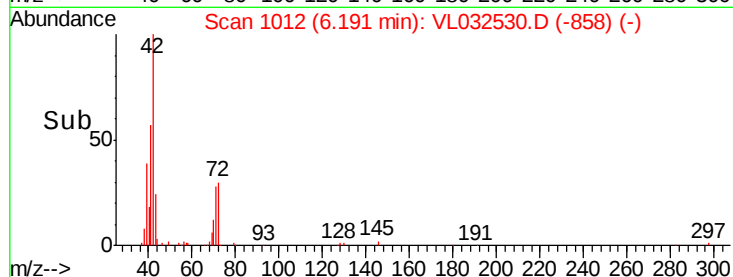
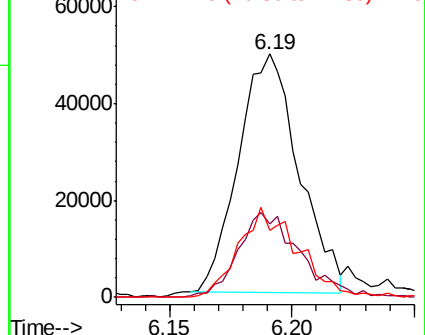
71 37.2 28.3 42.5



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.069 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

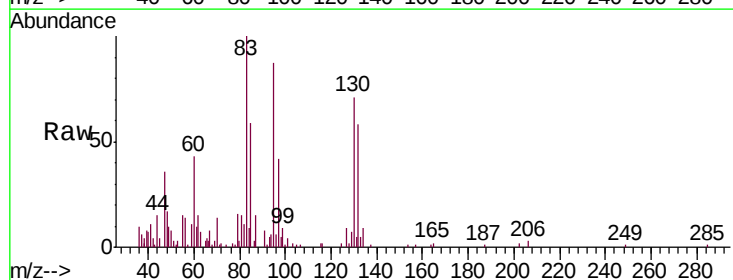
Tgt Ion: 83 Resp: 16660

Ion Ratio Lower Upper

83 100

85 34.3 51.1 76.7#

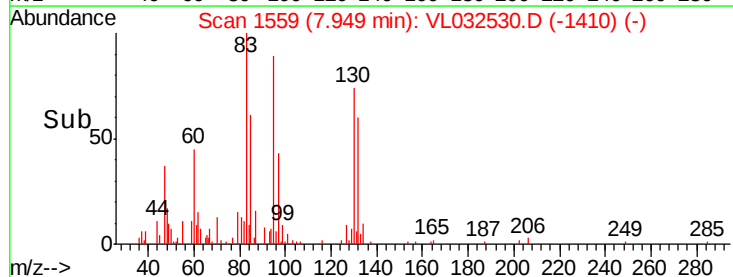
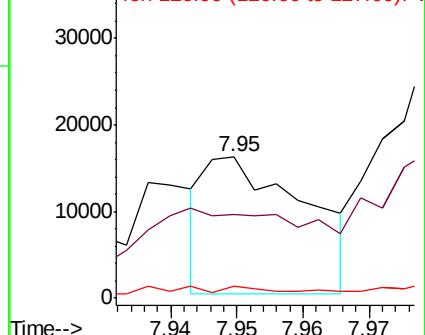
127 9.1 5.8 8.8#

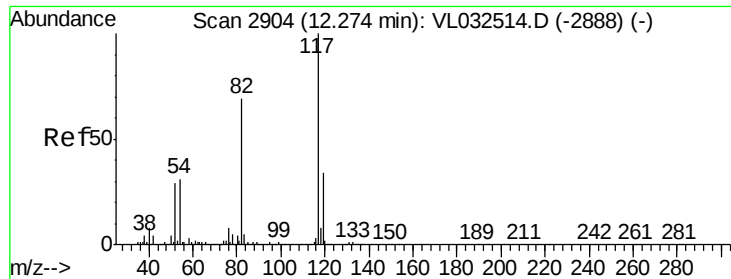


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

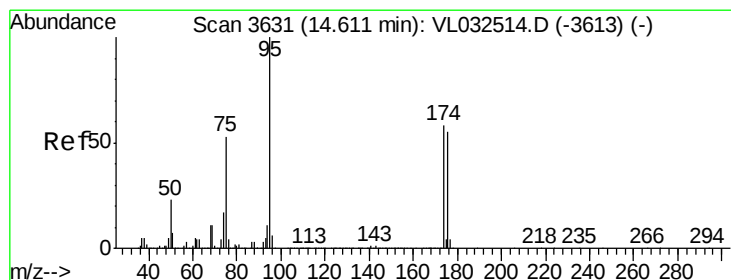
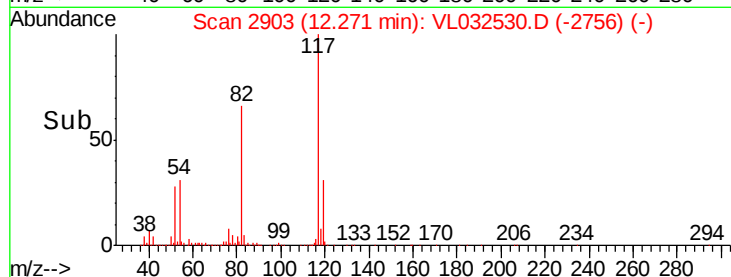
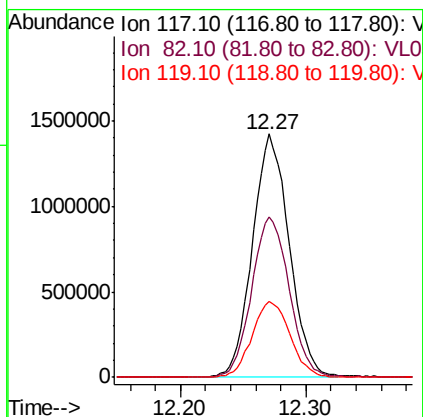
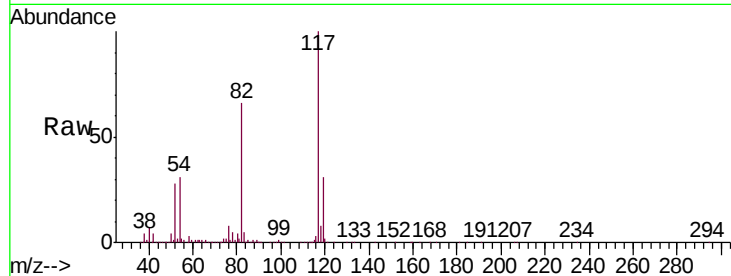




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032530.D
Acq: 25 Sep 2018 4:58

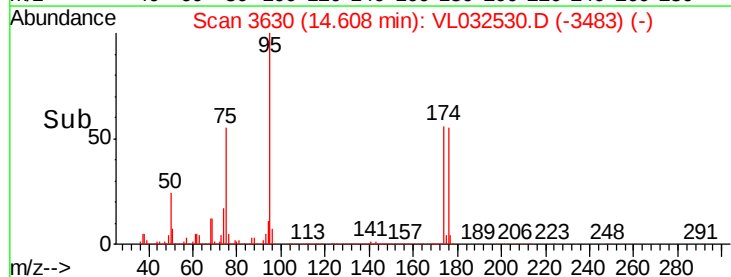
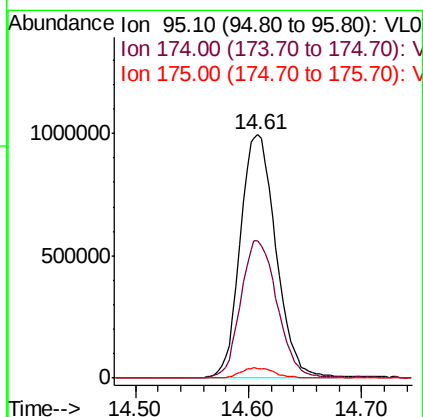
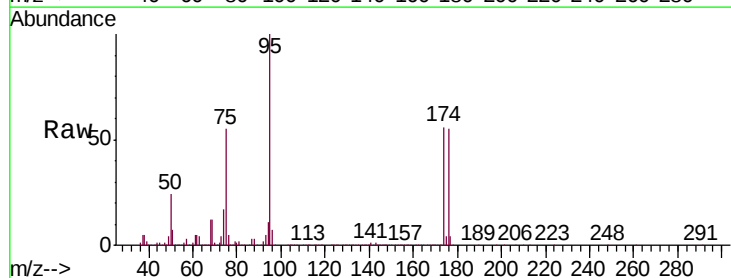
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-DUP-092018

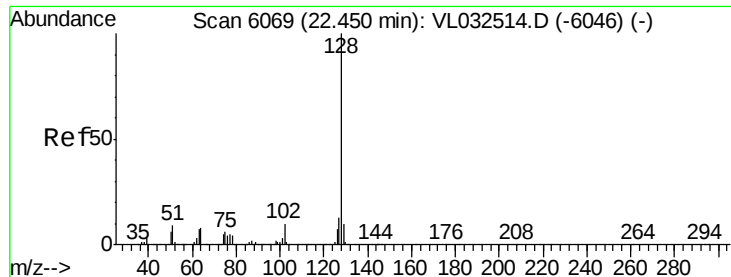
Tgt Ion: 117 Resp: 2902812
Ion Ratio Lower Upper
117 100
82 67.7 53.0 79.6
119 32.7 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.995 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032530.D
Acq: 25 Sep 2018 4:58

Tgt Ion: 95 Resp: 2188026
Ion Ratio Lower Upper
95 100
174 57.9 46.3 69.5
175 4.1 3.4 5.0





#79

Naphthalene

Concen: 0.038 ppbv

RT: 22.44 min Scan# 6065

Delta R.T. -0.04 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-DUP-092018

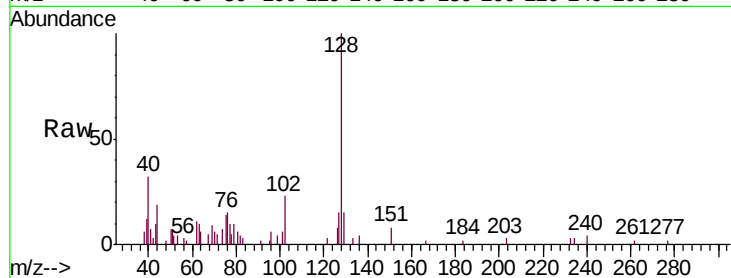
Tgt Ion:128 Resp: 9609

Ion Ratio Lower Upper

128 100

127 16.7 10.2 15.2#

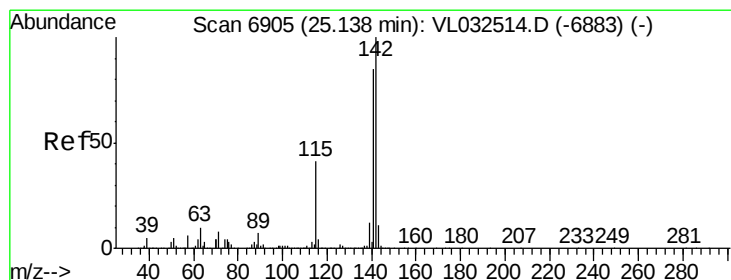
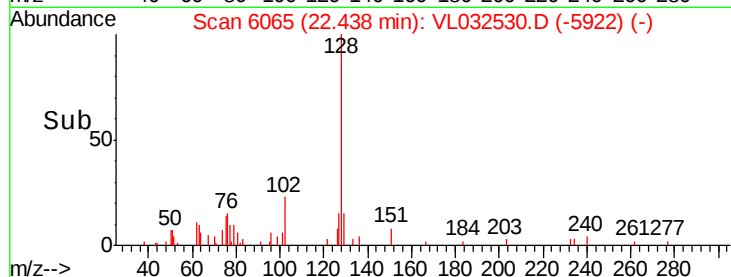
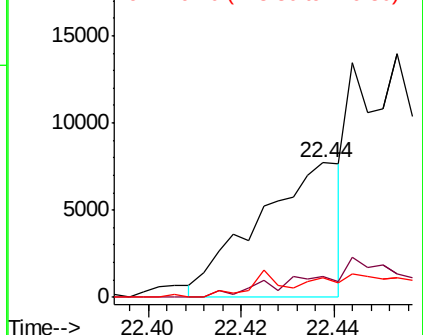
129 16.5 8.5 12.7#



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.547 ppbv

RT: 25.14 min Scan# 6905

Delta R.T. -0.01 min

Lab File: VL032530.D

Acq: 25 Sep 2018 4:58

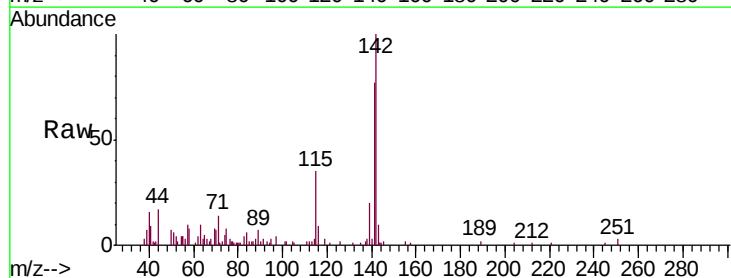
Tgt Ion:142 Resp: 32087

Ion Ratio Lower Upper

142 100

141 88.4 67.0 100.6

115 43.2 31.3 46.9



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

