

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
 Data File : VL032532.D
 Acq On : 25 Sep 2018 6:18
 Operator : SY/AP
 Sample : J5034-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-092018

Quant Time: Sep 25 07:13:39 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

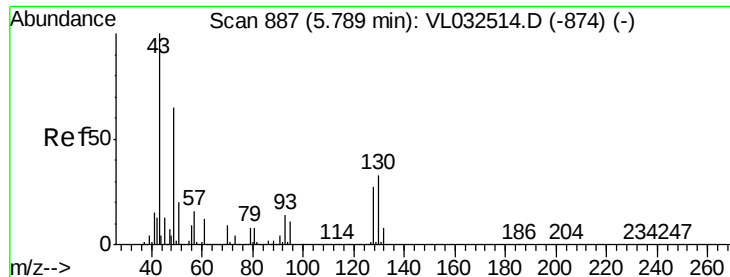
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1425260	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3229780	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	2962720	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2238937	10.02	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	40218	0.305	ppbv	95
3) Chlorodifluoromethane	3.00	51	139220	1.175	ppbv #	76
4) Chloromethane	3.19	50	45036	0.652	ppbv	95
5) Vinyl Chloride	3.31	62	23086	0.331	ppbv #	84
7) Chloroethane	3.62	64	16882	0.678	ppbv	91
9) Propene	3.25	41	930746	18.099	ppbv	97
11) Trichlorofluoromethane	4.02	101	157186	1.003	ppbv	91
12) 1,1,2-Trichlorotrifluoroet	4.58	101	128907	1.006	ppbv	98
13) Ethanol	3.67	45	927215	59.985	ppbv	96
15) Acetone	3.92	43	1099047	8.785	ppbv	90
16) 1,3-Butadiene	3.36	39	22024	0.434	ppbv #	7
17) tert-Butyl alcohol	4.39	59	20261	1.289	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	16650	0.278	ppbv #	69
19) Isopropyl Alcohol	4.08	45	19941	0.229	ppbv #	93
20) Methylene Chloride	4.43	84	154468	2.550	ppbv	99
21) Allyl Chloride	4.46	41	18512	0.181	ppbv #	46
22) trans-1,2-Dichloroethene	4.99	96	14111	0.250	ppbv #	66
23) Vinyl Acetate	5.16	43	407239	1.842	ppbv #	27
24) 1,1-Dichloroethane	5.11	63	1542387	8.378	ppbv	99
25) Ethyl Acetate	5.80	43	299403	0.986	ppbv #	88
26) Hexane	5.81	57	210820	1.537	ppbv #	69
27) Carbon Disulfide	4.64	76	8845	0.060	ppbv #	36
29) Chloroform	5.87	83	464635	2.208	ppbv	98
30) Cyclohexane	7.28	84	562911	5.042	ppbv	99
31) cis-1,2-Dichloroethene	5.67	61	1391351	10.654	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	4821374	21.504	ppbv	99
34) 2-Butanone	5.36	43	105412	0.548	ppbv	96
35) Carbon Tetrachloride	7.16	117	42632	0.190	ppbv	88
36) Benzene	7.03	78	9479	0.036	ppbv #	90
37) 1,2-Dichloroethane	6.44	62	7871	0.050	ppbv #	81
38) Trichloroethene	7.99	130	5441348	54.464	ppbv	99
39) 1,2-Dichloropropane	7.98	63	9818	0.083	ppbv #	1
41) Tetrahydrofuran	6.19	42	82824	0.793	ppbv	95
42) Bromodichloromethane	7.99	83	88703	0.376	ppbv	96
80) Naphthalene,2-methyl-	25.13	142	5302	0.089	ppbv #	81

(#) = 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: VL032532.D

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GAC-EFF-092018

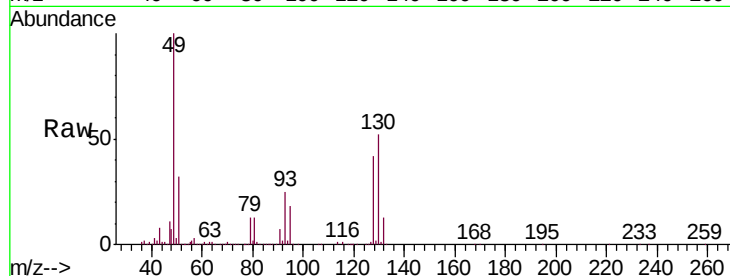
Tgt Ion: 49 Resp: 1425260

Ion Ratio Lower Upper

49 100

128 44.0 20.7 62.1

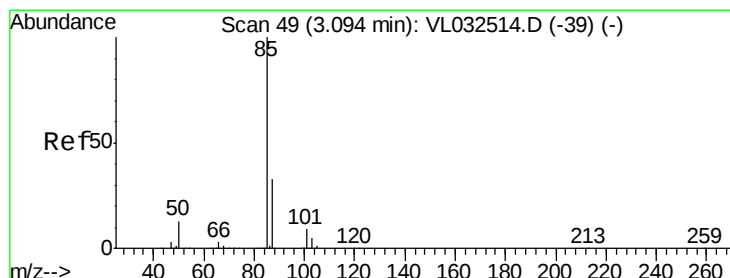
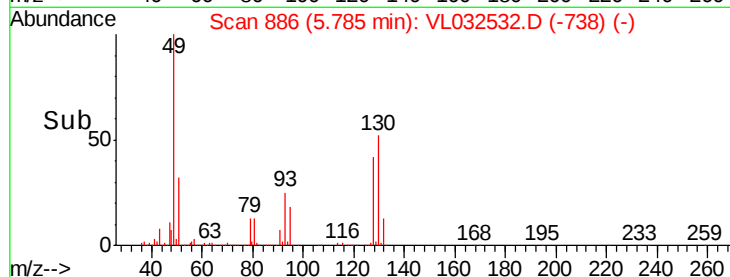
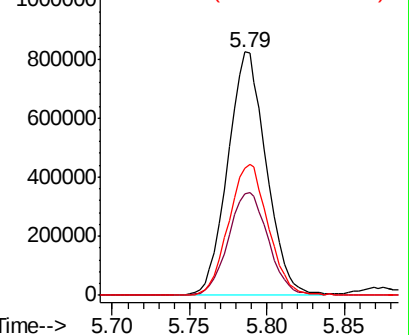
130 55.6 26.6 79.7



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: 0.305 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032532.D

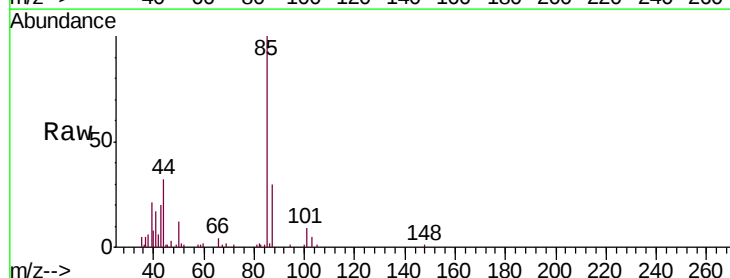
Acq: 25 Sep 2018 6:18

Tgt Ion: 85 Resp: 40218

Ion Ratio Lower Upper

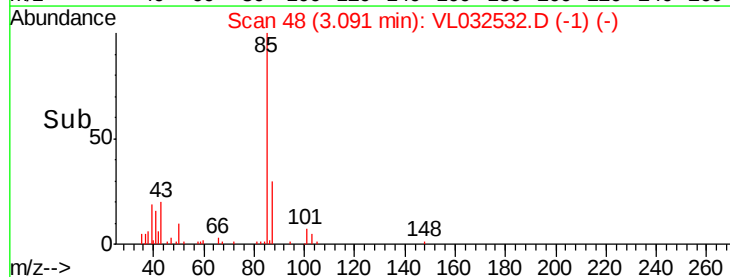
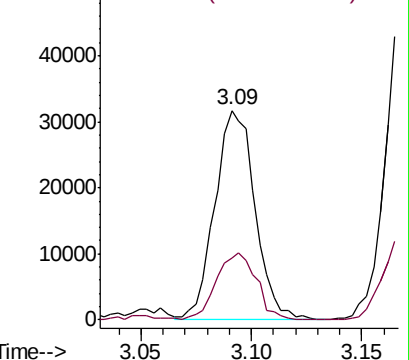
85 100

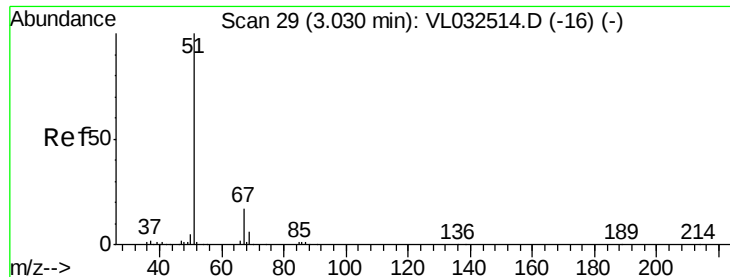
87 29.8 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.175 ppbv

RT: 3.00 min Scan# 21

Delta R.T. -0.04 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

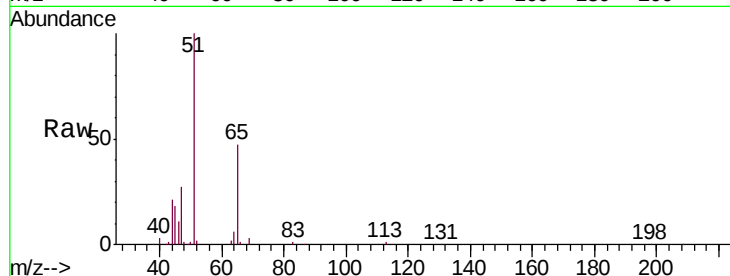
GAC-EFF-092018

Tgt Ion: 51 Resp: 139220

Ion Ratio Lower Upper

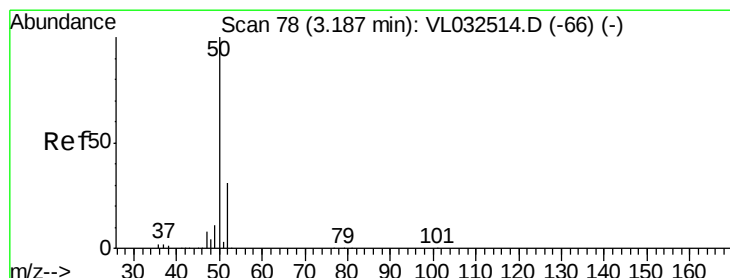
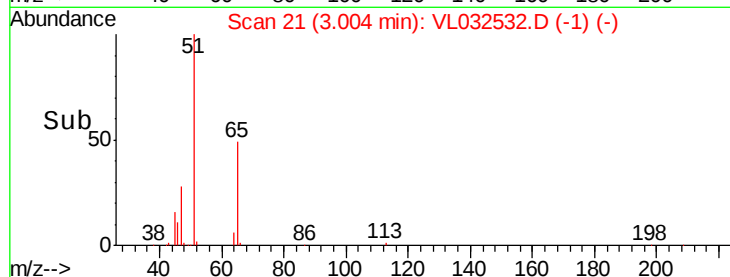
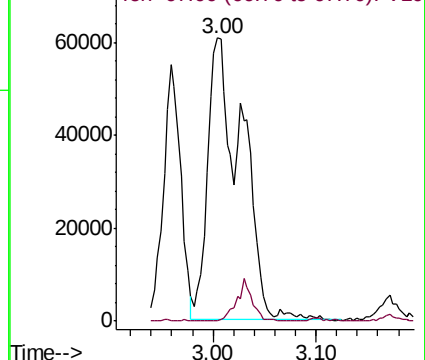
51 100

67 6.8 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: 0.652 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032532.D

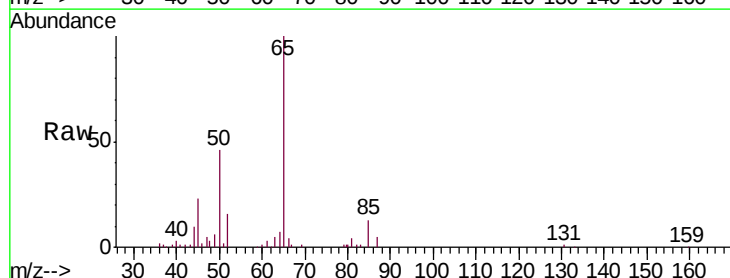
Acq: 25 Sep 2018 6:18

Tgt Ion: 50 Resp: 45036

Ion Ratio Lower Upper

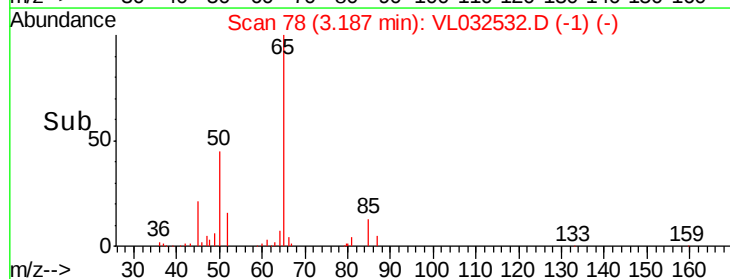
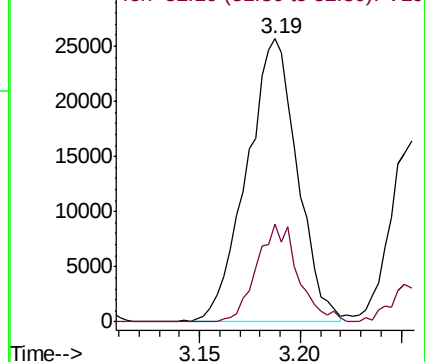
50 100

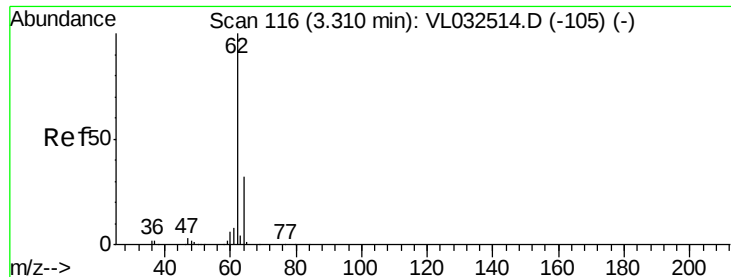
52 34.7 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.331 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

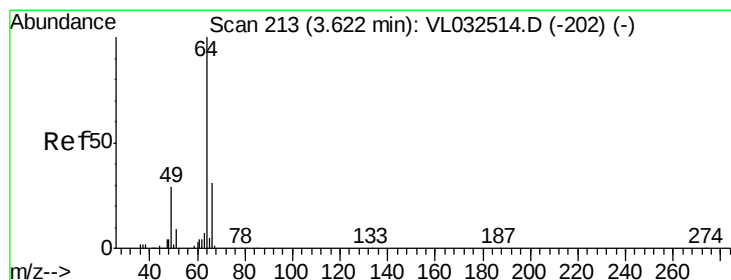
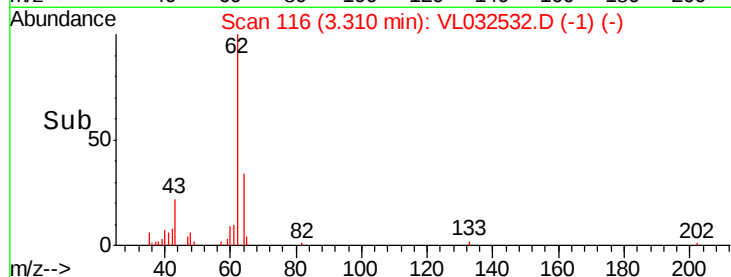
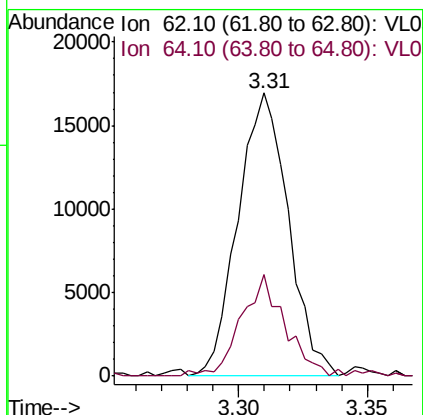
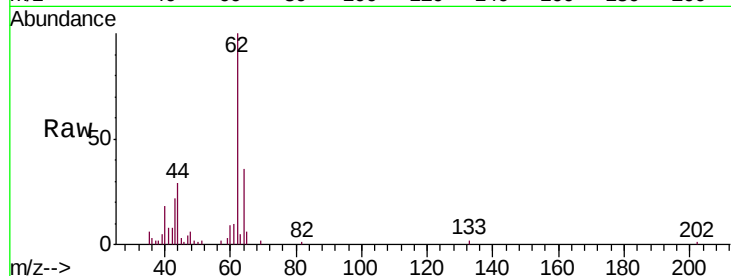
GAC-EFF-092018

Tgt Ion: 62 Resp: 23086

Ion Ratio Lower Upper

62 100

64 40.3 25.0 37.6#



#7

Chloroethane

Concen: 0.678 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL032532.D

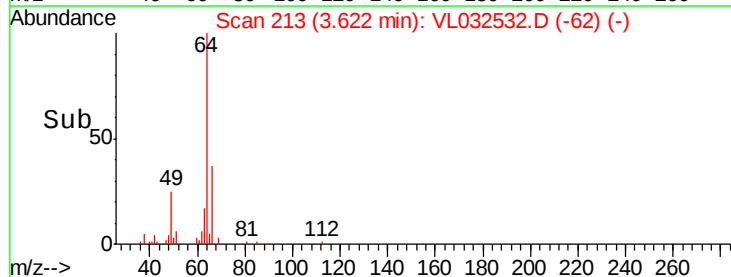
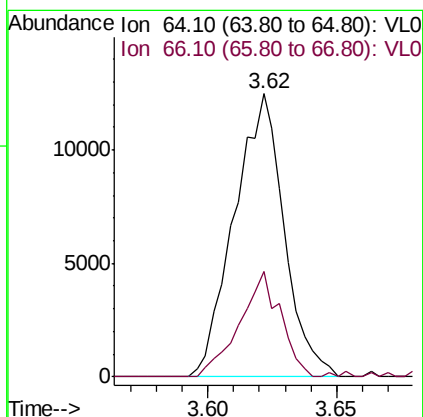
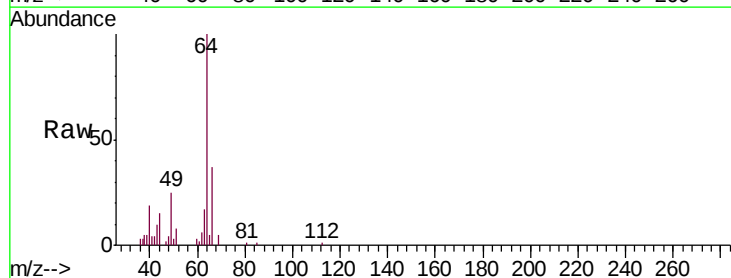
Acq: 25 Sep 2018 6:18

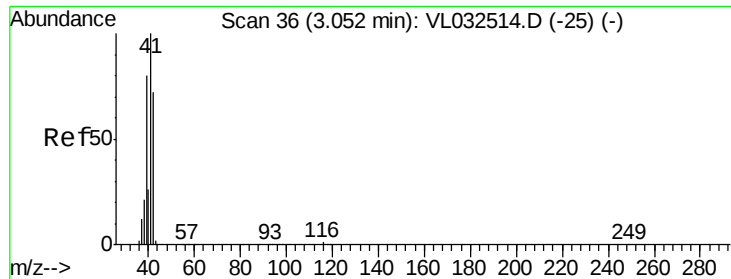
Tgt Ion: 64 Resp: 16882

Ion Ratio Lower Upper

64 100

66 37.5 25.8 38.6





#9

Propene

Concen: 18.099 ppbv

RT: 3.25 min Scan# 99

Delta R.T. 0.19 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

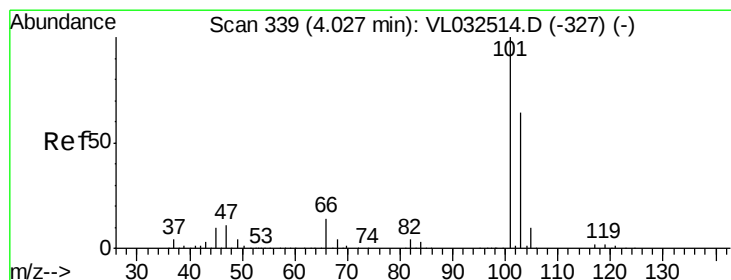
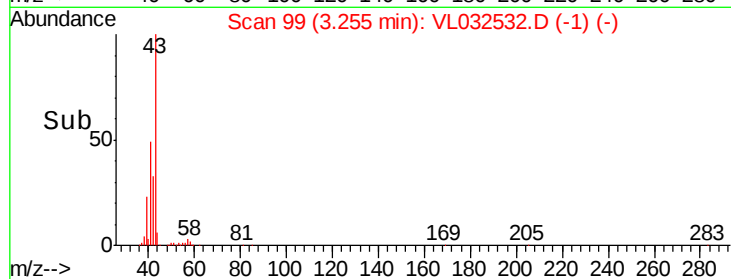
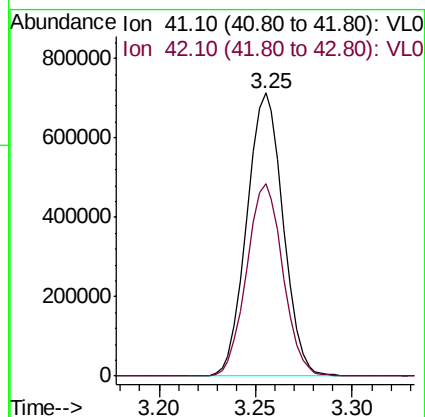
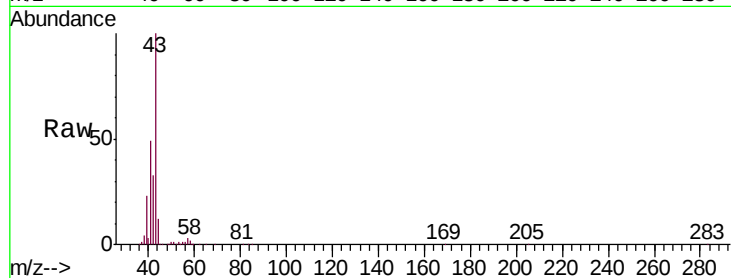
GAC-EFF-092018

Tgt Ion: 41 Resp: 930746

Ion Ratio Lower Upper

41 100

42 67.9 56.6 84.8



#11

Trichlorofluoromethane

Concen: 1.003 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032532.D

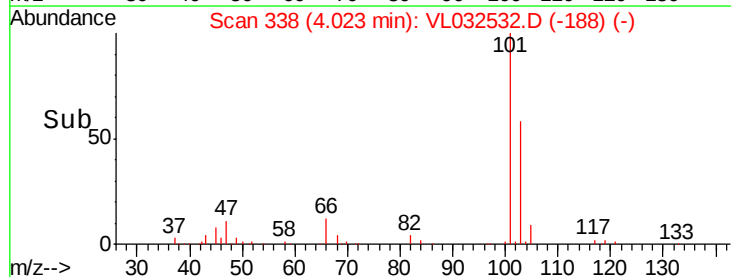
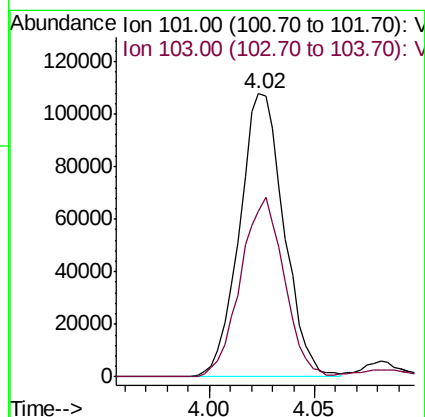
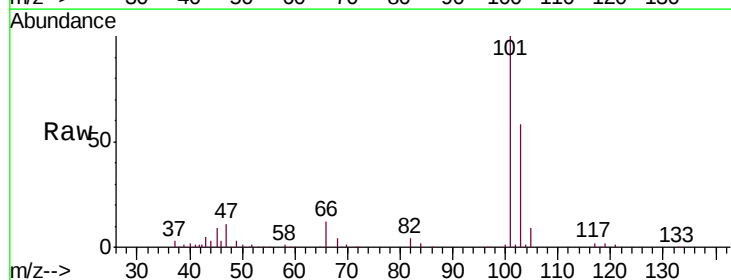
Acq: 25 Sep 2018 6:18

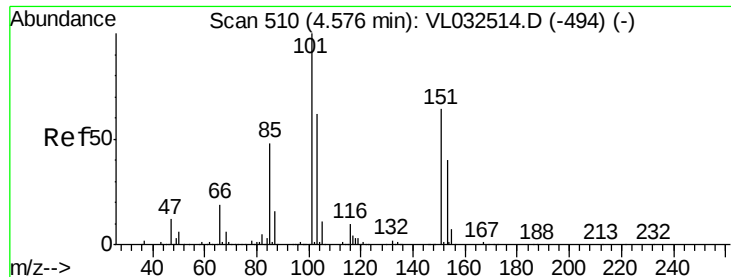
Tgt Ion: 101 Resp: 157186

Ion Ratio Lower Upper

101 100

103 58.5 52.8 79.2





#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.006 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

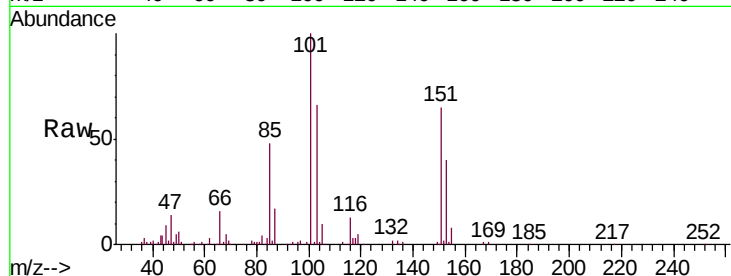
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Tgt Ion:101 Resp: 128907

Ion Ratio Lower Upper

101 100

151 63.8 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

80000

60000

40000

20000

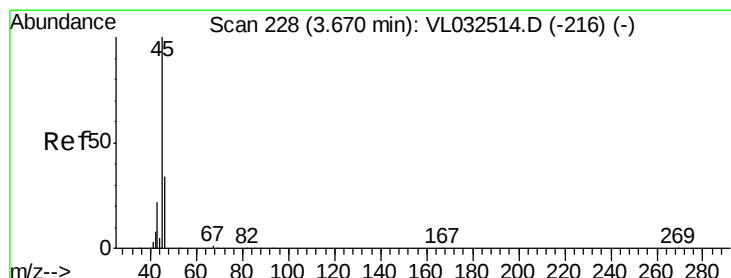
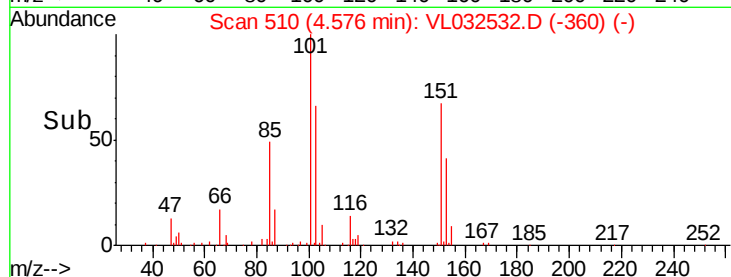
0

4.50

4.55

4.60

Time-->



#13

Ethanol

Concen: 59.985 ppbv

RT: 3.67 min Scan# 227

Delta R.T. -0.02 min

Lab File: VL032532.D

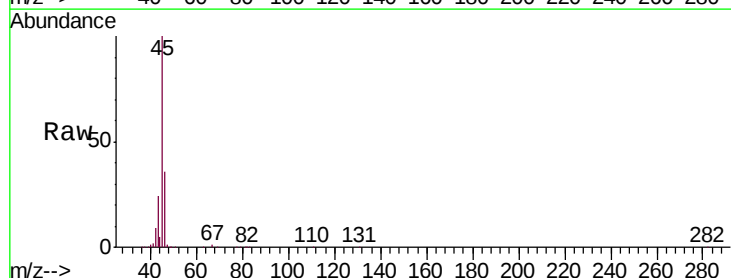
Acq: 25 Sep 2018 6:18

Tgt Ion: 45 Resp: 927215

Ion Ratio Lower Upper

45 100

46 37.6 14.2 56.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

500000

400000

300000

200000

100000

0

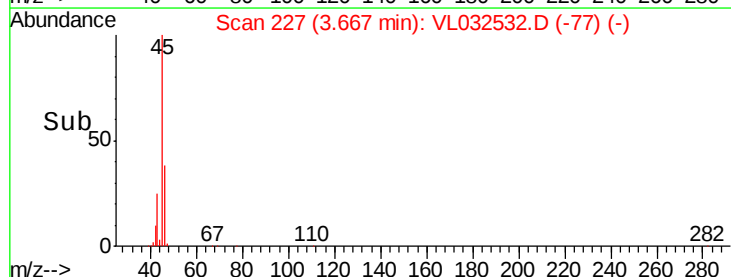
3.60

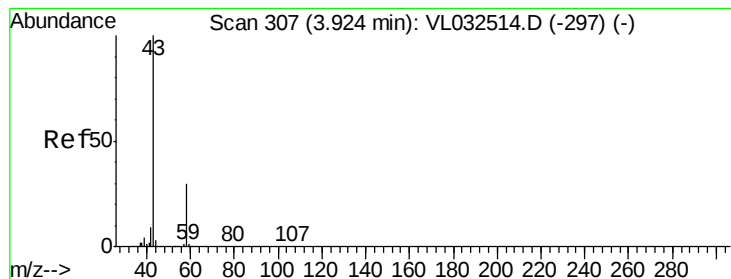
3.65

3.70

3.75

Time-->





#15

Acetone

Concen: 8.785 ppbv

RT: 3.92 min Scan# 307

Delta R.T. -0.01 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

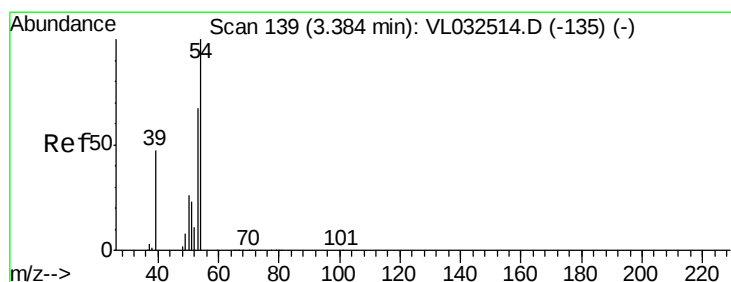
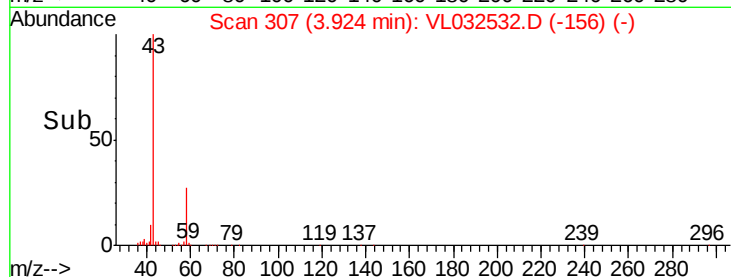
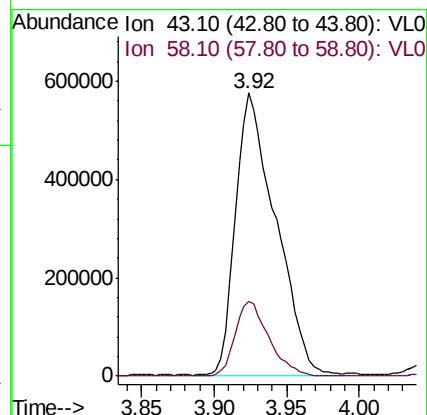
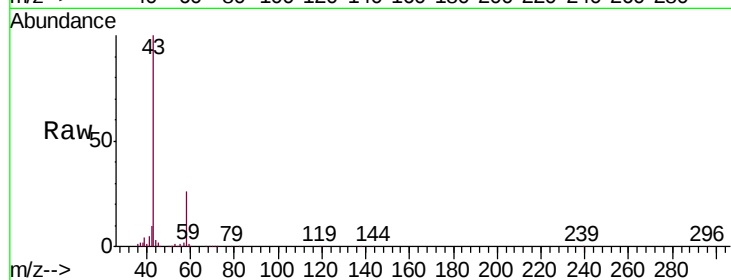
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Tgt Ion: 43 Resp: 1099047

Ion Ratio Lower Upper

43 100

58 22.7 22.6 33.8



#16

1,3-Butadiene

Concen: 0.434 ppbv

RT: 3.36 min Scan# 131

Delta R.T. -0.04 min

Lab File: VL032532.D

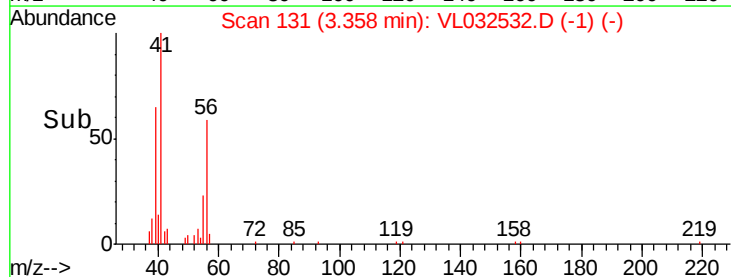
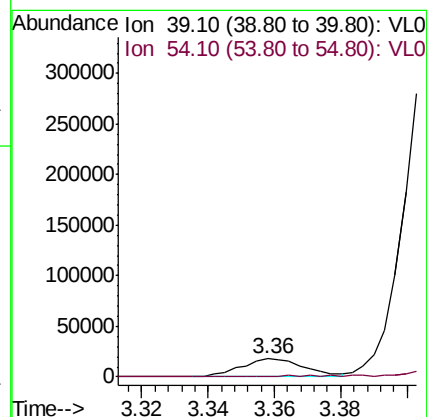
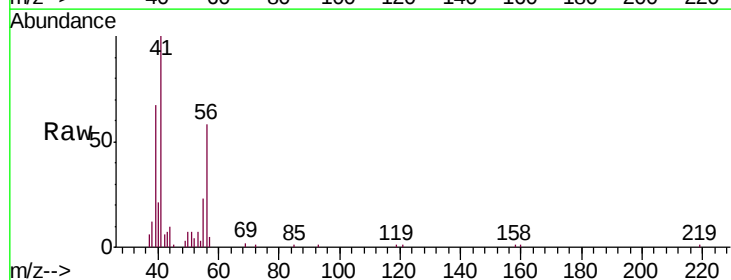
Acq: 25 Sep 2018 6:18

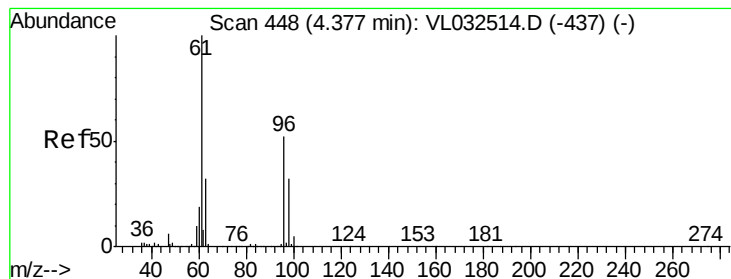
Tgt Ion: 39 Resp: 22024

Ion Ratio Lower Upper

39 100

54 7.5 80.8 121.2#





#17

tert-Butyl alcohol

Concen: 1.289 ppbv

RT: 4.39 min Scan# 451

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

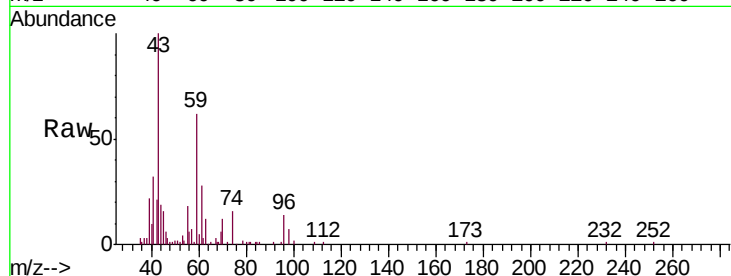
GAC-EFF-092018

Tgt Ion: 59 Resp: 20261

Ion Ratio Lower Upper

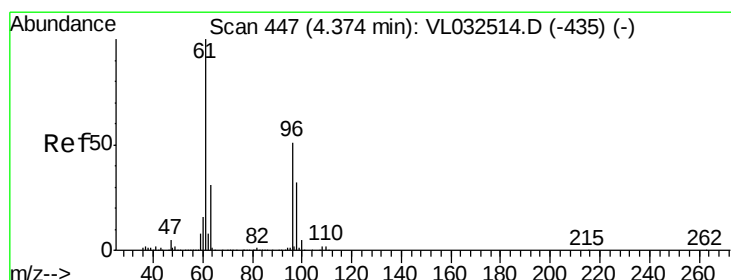
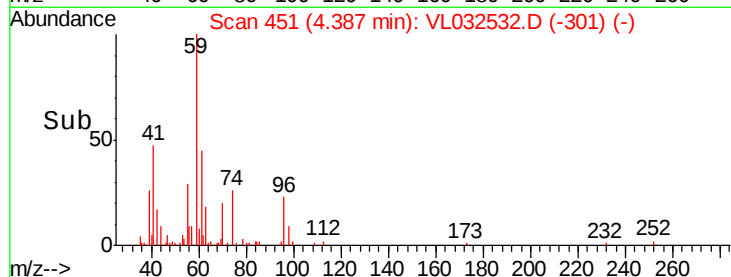
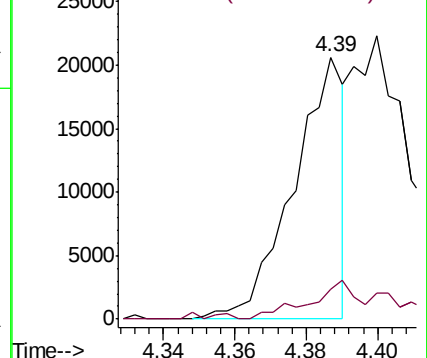
59 100

57 0.0 0.0 0.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.278 ppbv

RT: 4.37 min Scan# 447

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

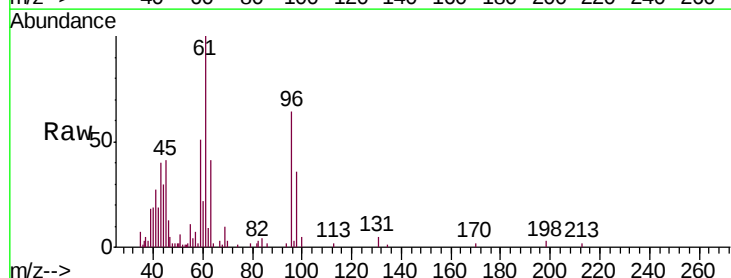
Tgt Ion: 96 Resp: 16650

Ion Ratio Lower Upper

96 100

61 144.4 159.2 238.8#

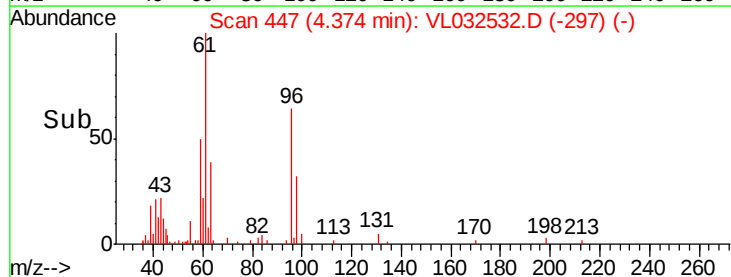
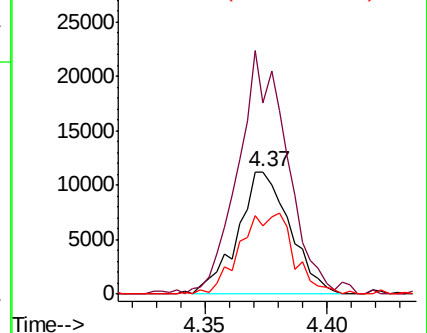
98 53.4 51.0 76.4

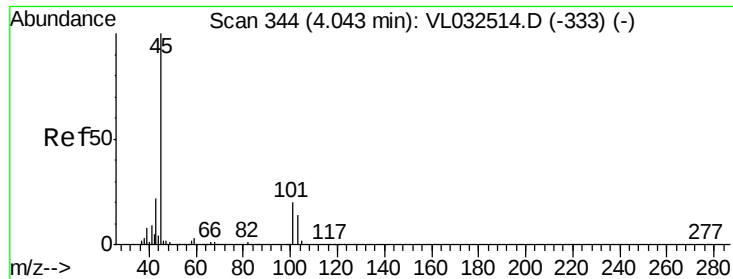


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.229 ppbv

RT: 4.08 min Scan# 356

Delta R.T. 0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

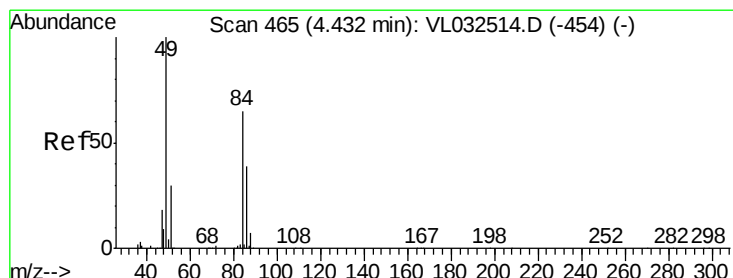
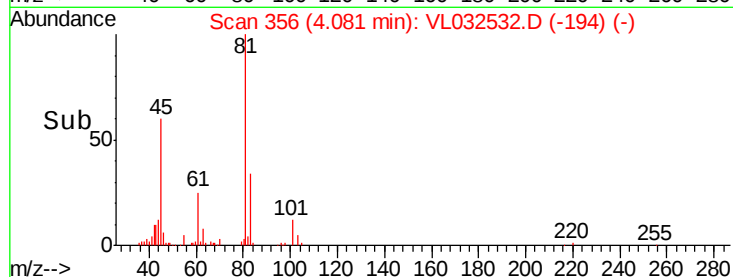
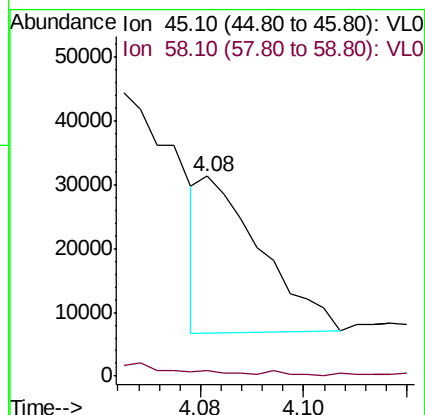
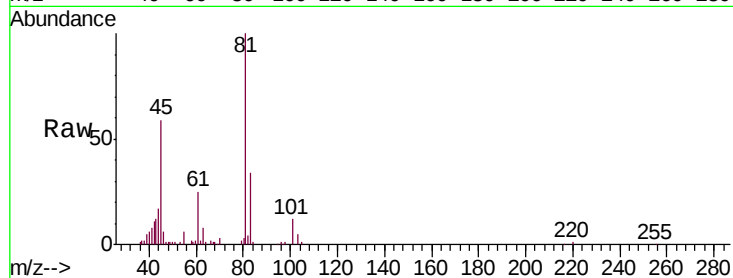
GAC-EFF-092018

Tgt Ion: 45 Resp: 19941

Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#



#20

Methylene Chloride

Concen: 2.550 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Tgt Ion: 84 Resp: 154468

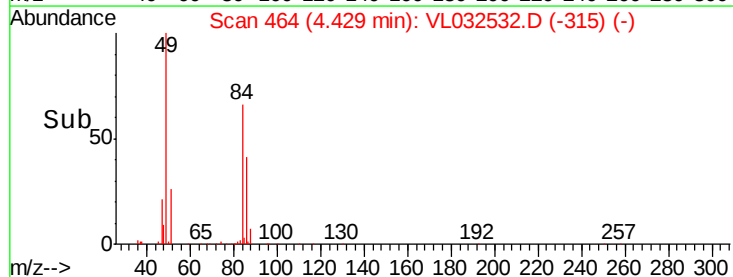
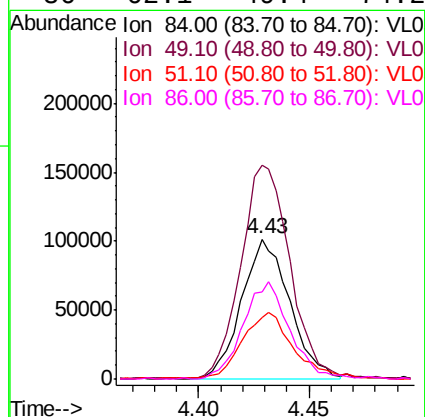
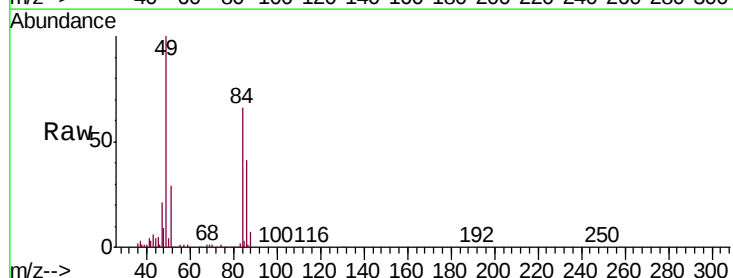
Ion Ratio Lower Upper

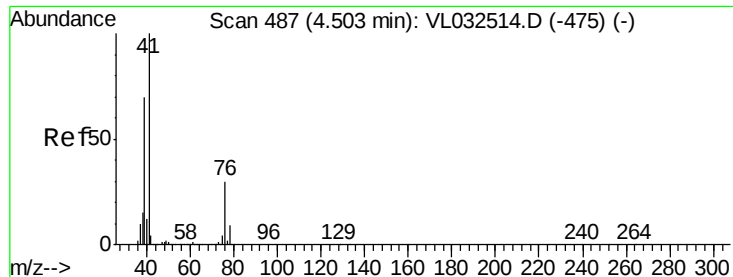
84 100

49 151.2 119.1 178.7

51 43.0 35.2 52.8

86 62.1 49.4 74.2





#21

Allyl Chloride

Concen: 0.181 ppbv

RT: 4.46 min Scan# 473

Delta R.T. -0.06 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-092018

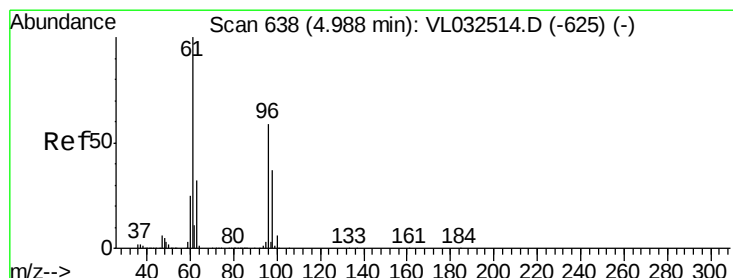
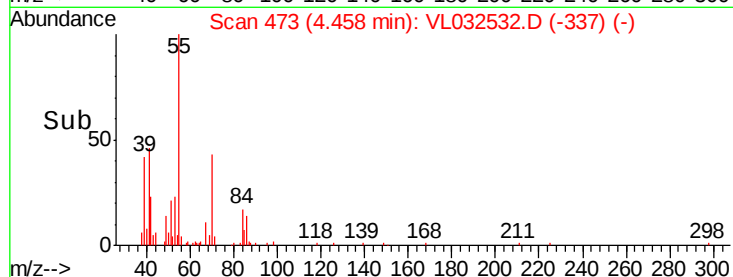
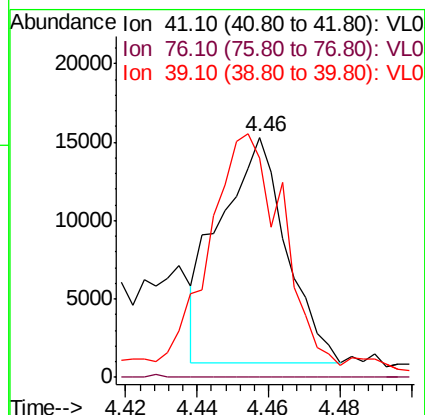
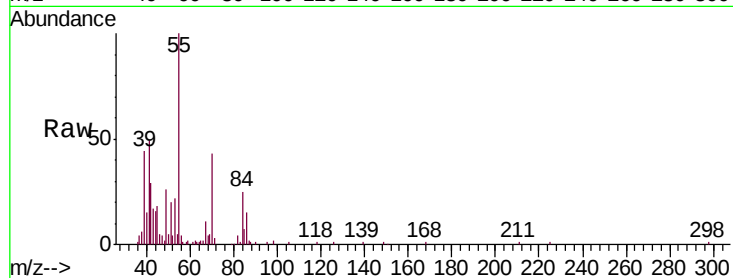
Tgt Ion: 41 Resp: 18512

Ion Ratio Lower Upper

41 100

76 0.0 23.6 35.4#

39 117.2 57.7 86.5#



#22

trans-1,2-Dichloroethene

Concen: 0.250 ppbv

RT: 4.99 min Scan# 638

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

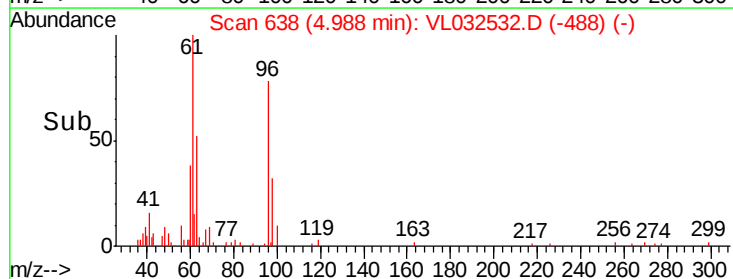
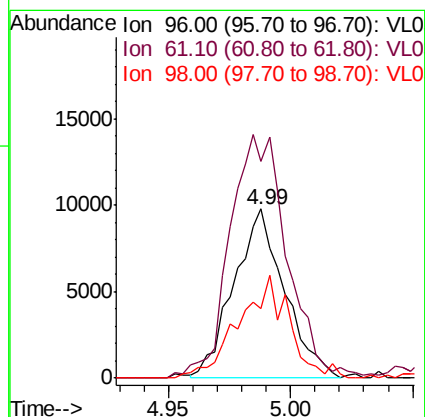
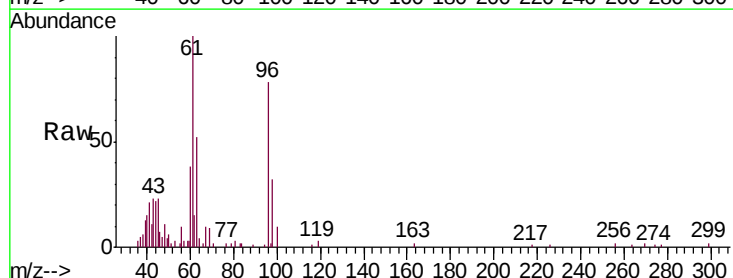
Tgt Ion: 96 Resp: 14111

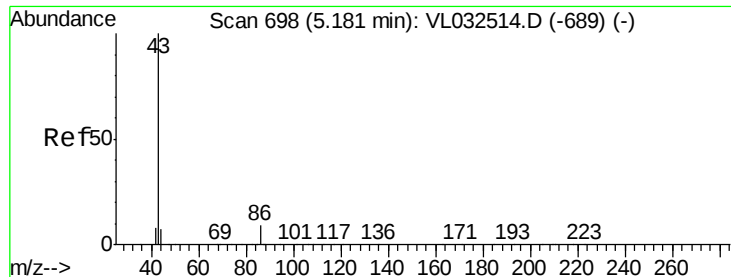
Ion Ratio Lower Upper

96 100

61 121.8 136.2 204.4#

98 39.1 50.4 75.6#





#23

Vinyl Acetate

Concen: 1.842 ppbv

RT: 5.16 min Scan# 693

Delta R.T. -0.03 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-092018

Tgt Ion: 43 Resp: 407239

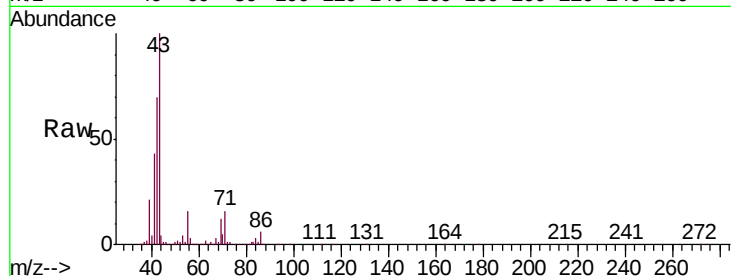
Ion Ratio Lower Upper

43 100

86 5.4 5.9 8.9#

42 70.1 6.9 10.3#

44 2.0 4.6 7.0#

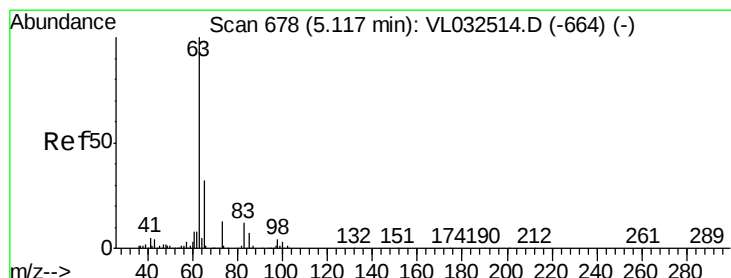
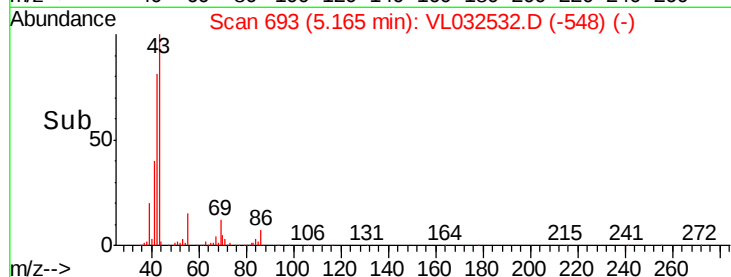
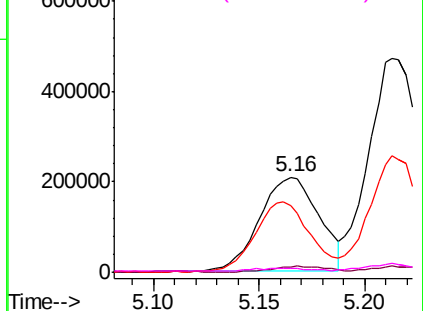


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.378 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

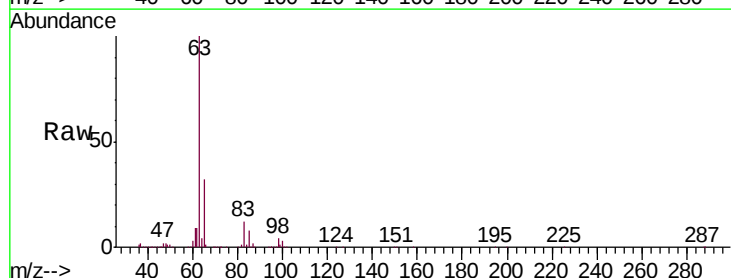
Tgt Ion: 63 Resp: 1542387

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.5

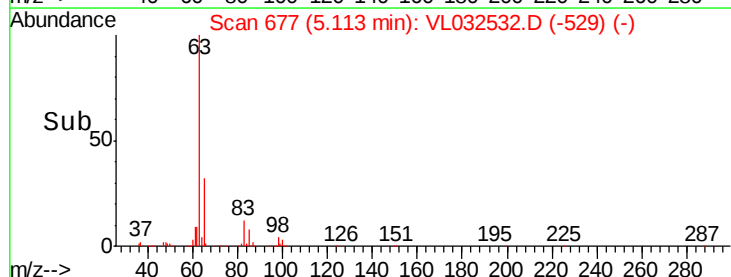
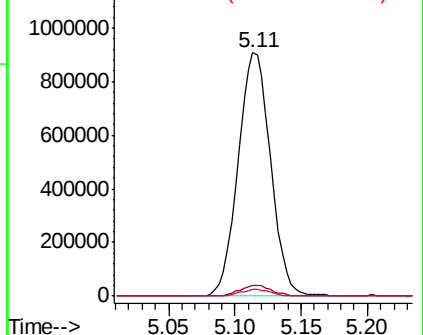
100 2.6 1.5 4.4

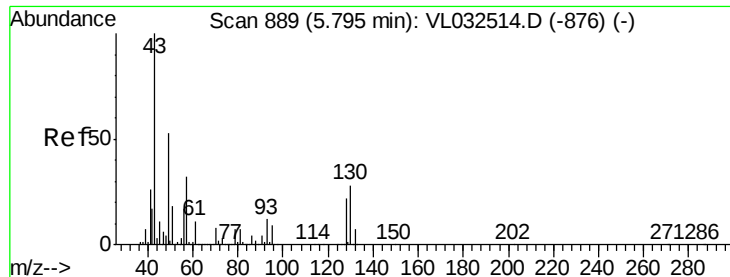


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

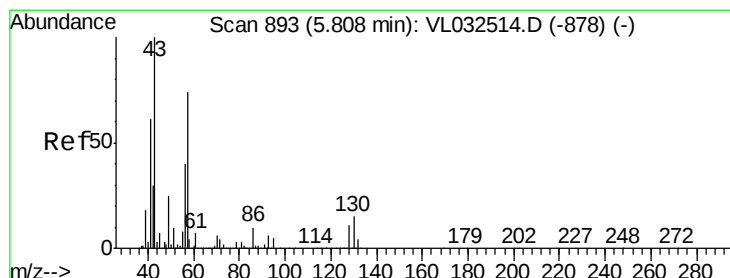
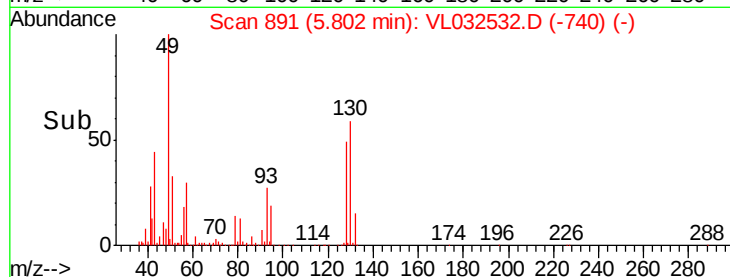
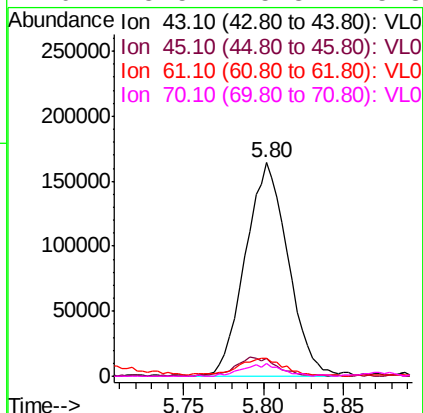
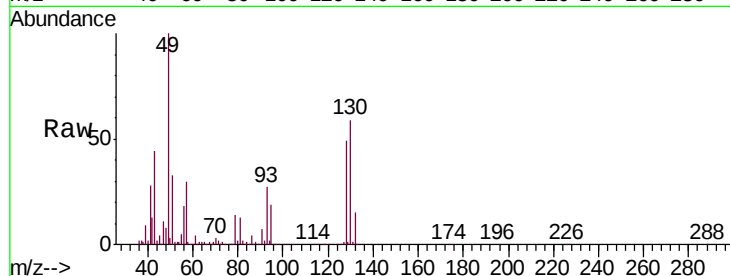




#25
Ethyl Acetate
Concen: 0.986 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.01 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

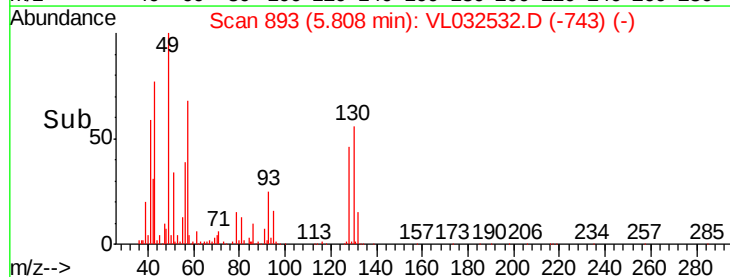
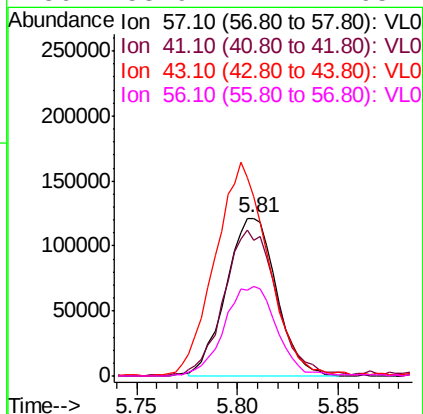
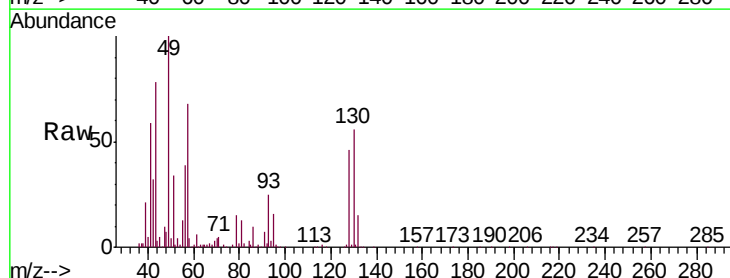
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-092018

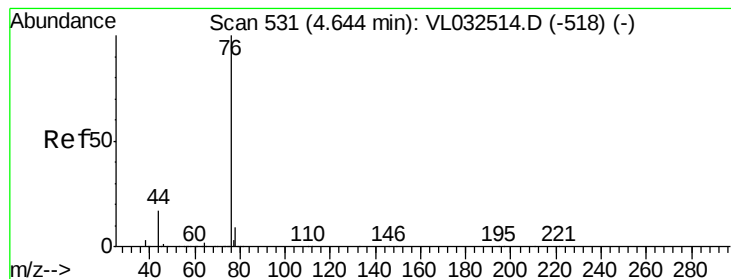
Tgt Ion:	43	Resp:	299403
Ion	Ratio	Lower	Upper
43	100		
45	8.9	8.0	12.0
61	0.0	7.6	11.4#
70	5.5	5.8	8.8#



#26
Hexane
Concen: 1.537 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

Tgt Ion:	57	Resp:	210820
Ion	Ratio	Lower	Upper
57	100		
41	97.0	69.0	103.4
43	144.5	172.1	258.1#
56	58.9	42.2	63.2





#27

Carbon Disulfide

Concen: 0.060 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-092018

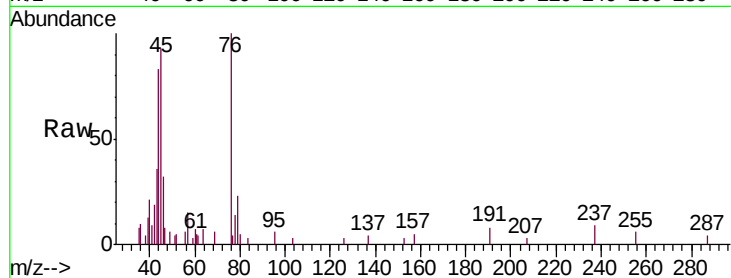
Tgt Ion: 76 Resp: 8845

Ion Ratio Lower Upper

76 100

44 57.9 14.0 21.0#

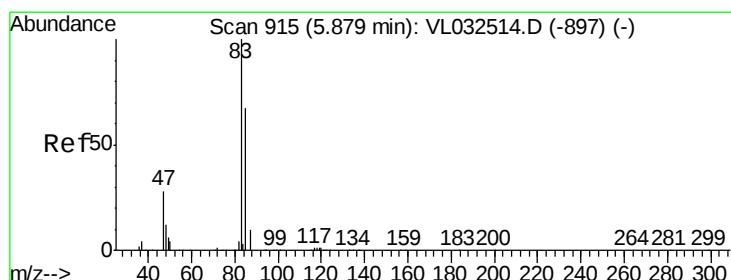
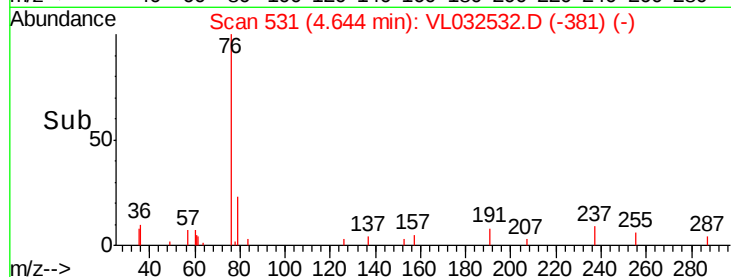
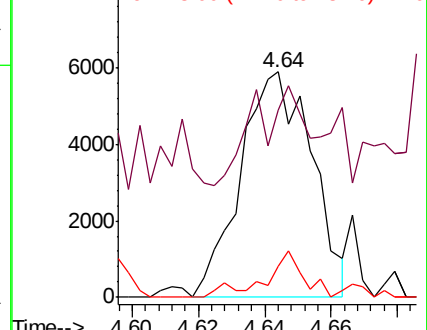
78 13.2 7.5 11.3#



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: 2.208 ppbv

RT: 5.87 min Scan# 913

Delta R.T. -0.02 min

Lab File: VL032532.D

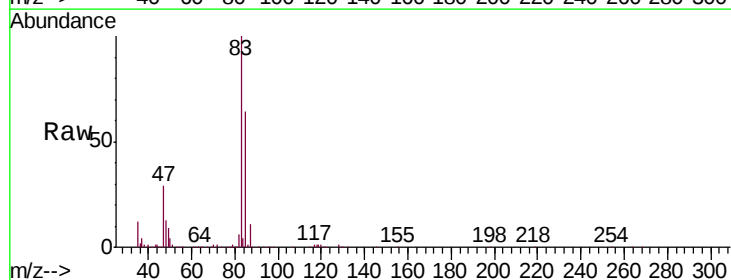
Acq: 25 Sep 2018 6:18

Tgt Ion: 83 Resp: 464635

Ion Ratio Lower Upper

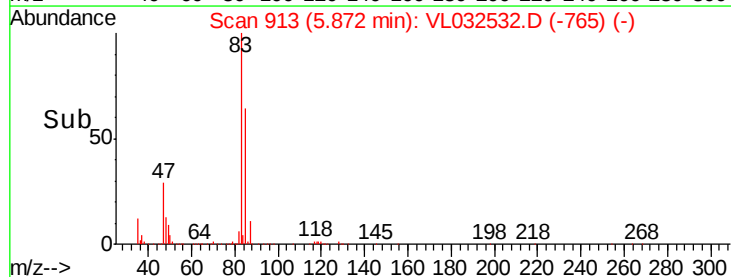
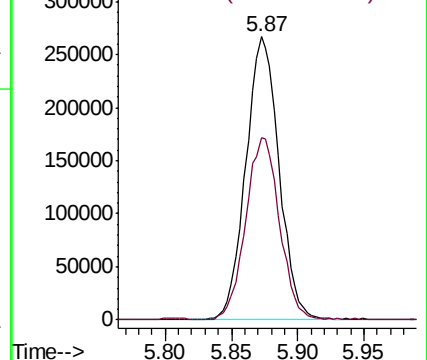
83 100

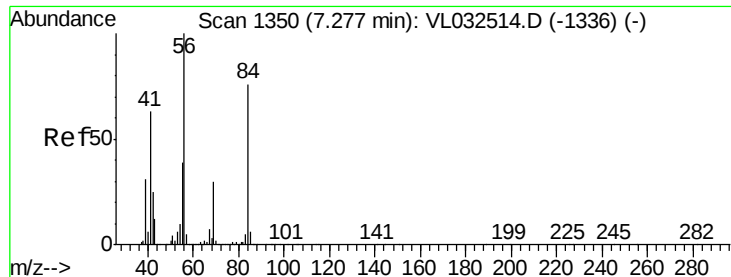
85 64.1 52.5 78.7



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

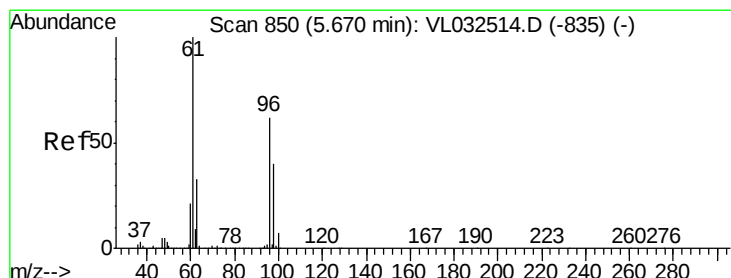
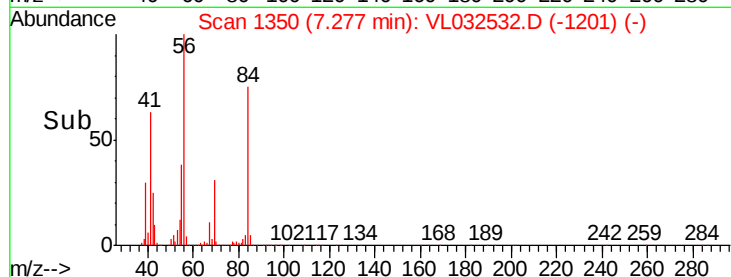
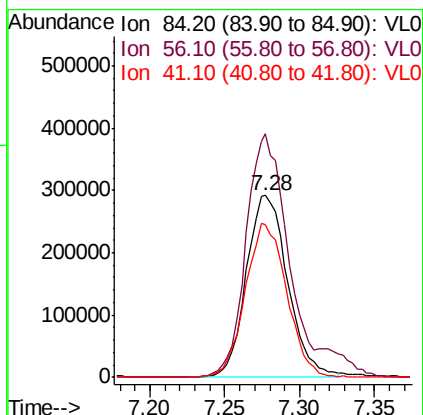
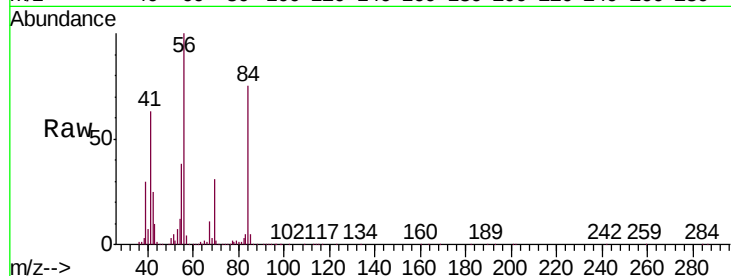




#30
Cyclohexane
Concen: 5.042 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

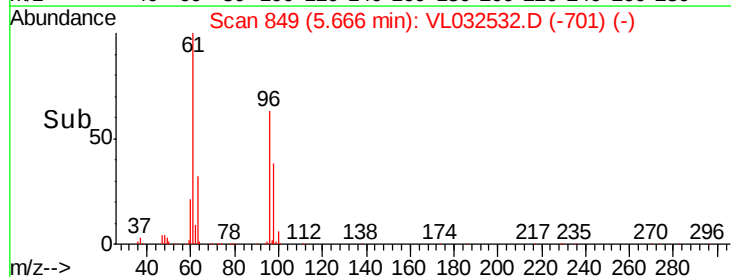
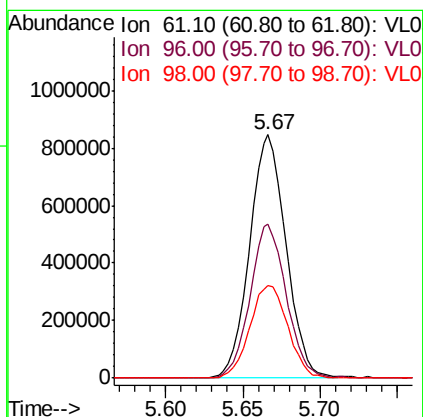
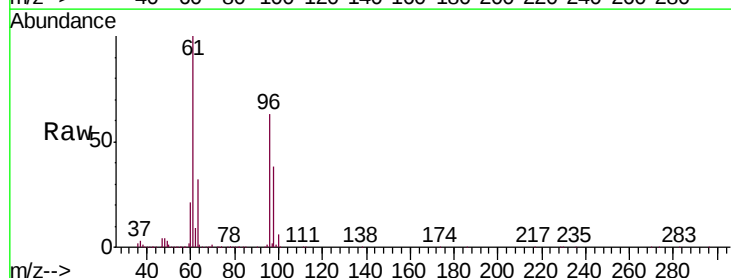
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-092018

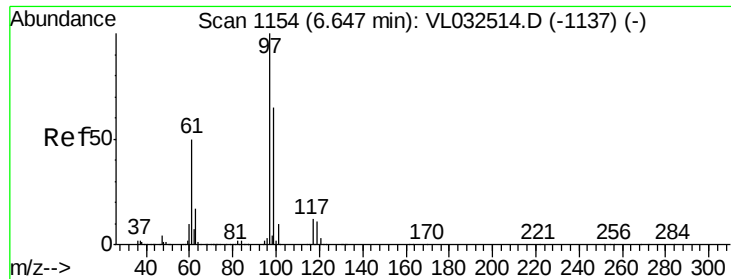
Tgt Ion: 84 Resp: 562911
Ion Ratio Lower Upper
84 100
56 144.3 113.5 170.3
41 84.8 68.1 102.1



#31
cis-1,2-Dichloroethene
Concen: 10.654 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

Tgt Ion: 61 Resp: 1391351
Ion Ratio Lower Upper
61 100
96 63.2 49.2 73.8
98 38.2 30.7 46.1



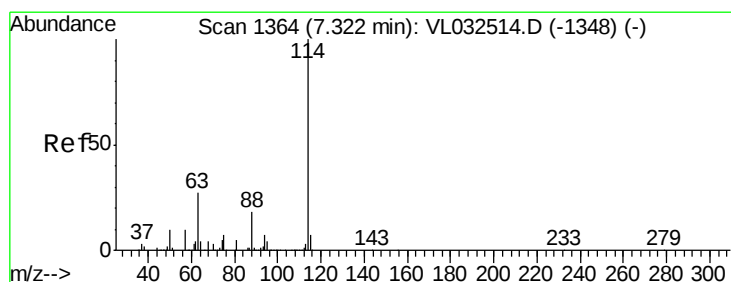
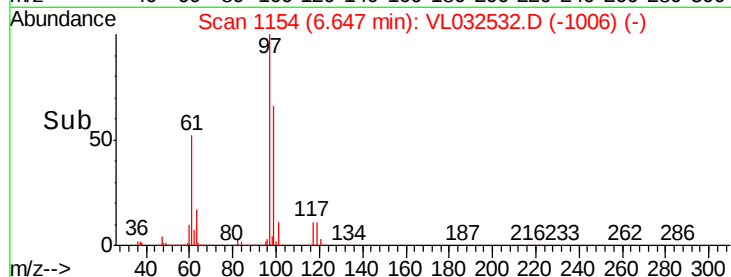
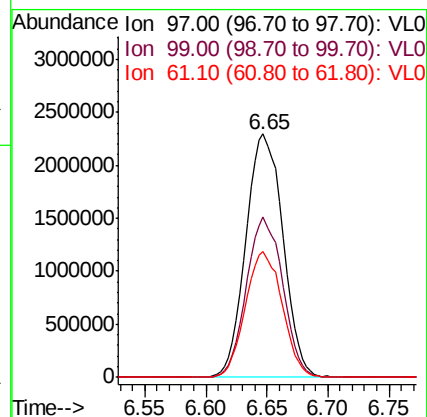
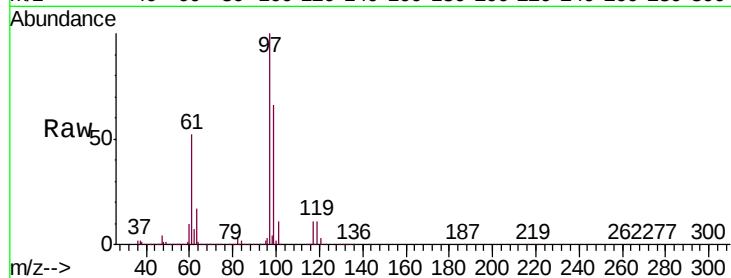


#32
 1,1,1-Trichloroethane
 Concen: 21.504 ppbv
 RT: 6.65 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VL032532.D
 Acq: 25 Sep 2018 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-092018

Tgt Ion: 97 Resp: 4821374

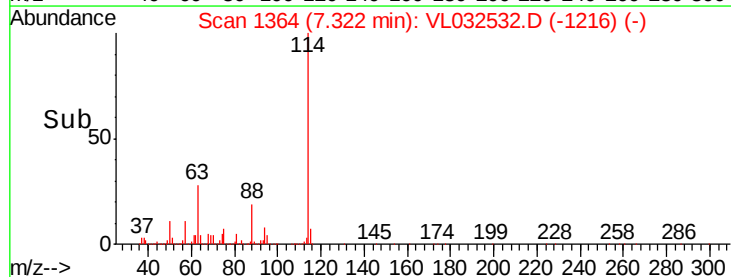
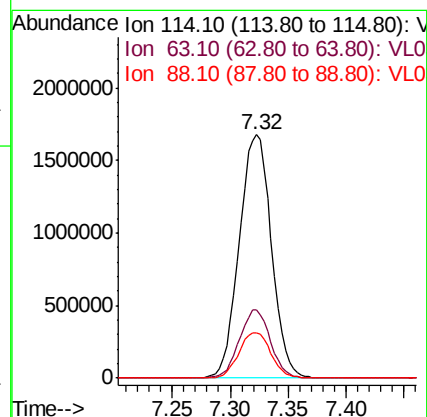
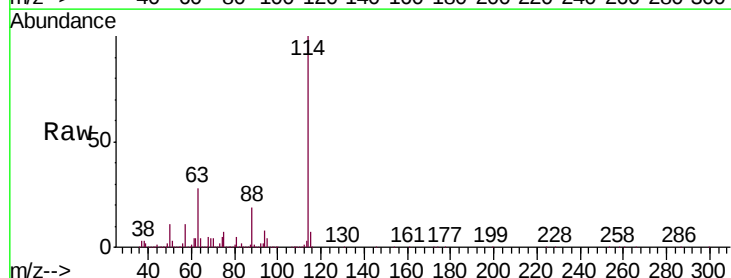
Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.1	78.1
61	51.3	42.5	63.7

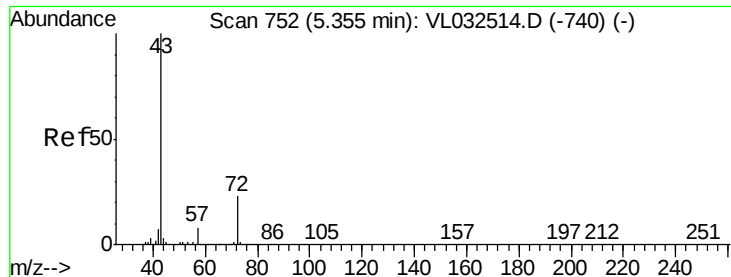


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032532.D
 Acq: 25 Sep 2018 6:18

Tgt Ion: 114 Resp: 3229780

Ion	Ratio	Lower	Upper
114	100		
63	27.3	22.2	33.4
88	18.6	15.0	22.4

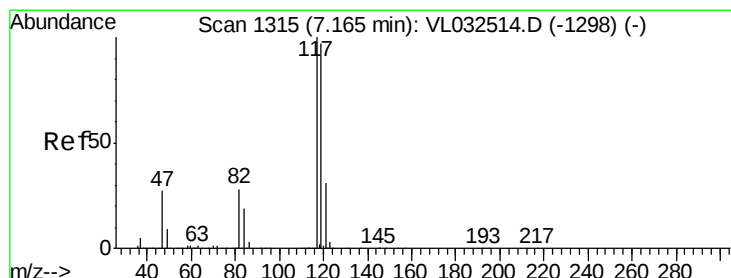
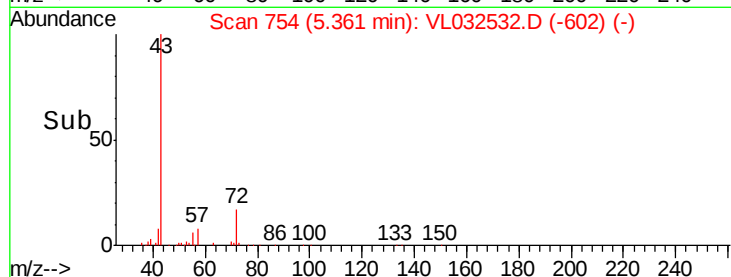
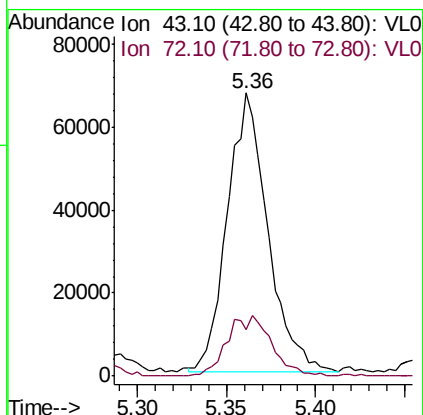
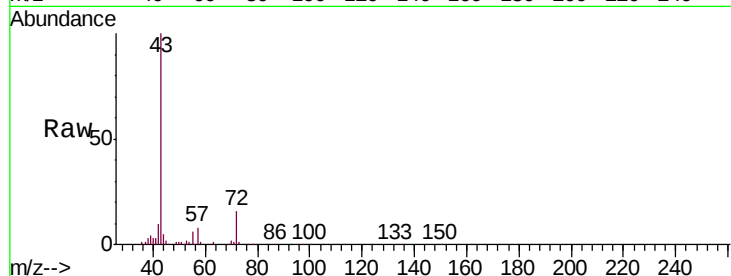




#34
2-Butanone
Concen: 0.548 ppbv
RT: 5.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

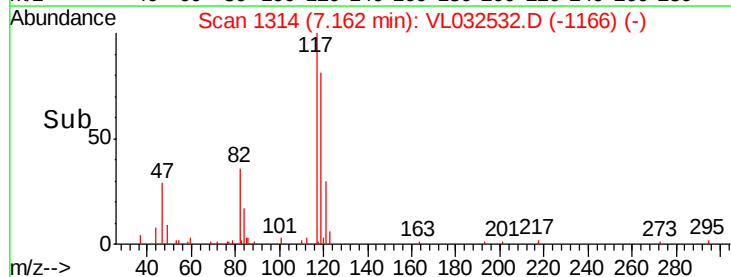
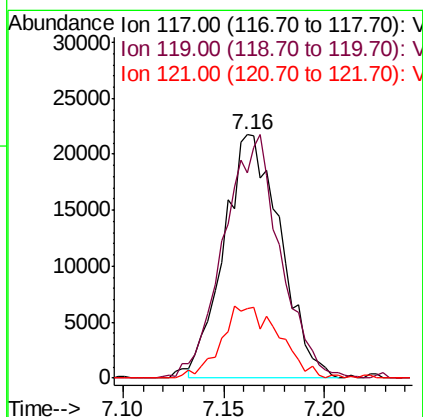
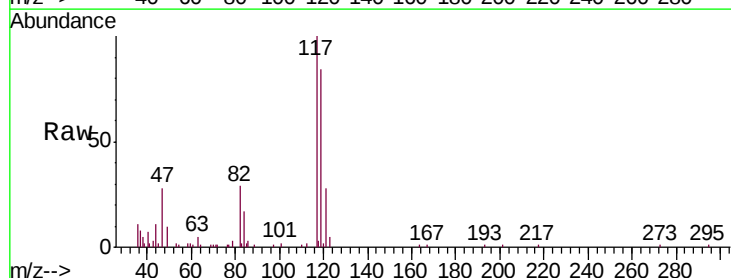
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-092018

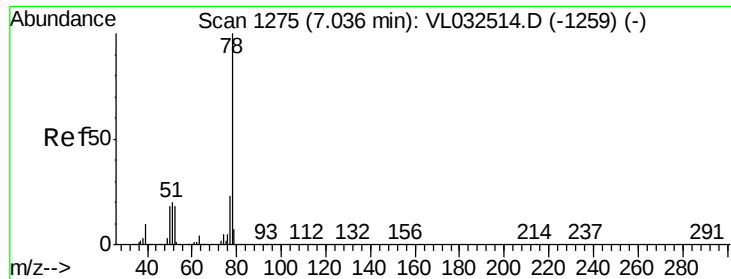
Tgt Ion: 43 Resp: 105412
Ion Ratio Lower Upper
43 100
72 24.2 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.190 ppbv
RT: 7.16 min Scan# 1314
Delta R.T. -0.02 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

Tgt Ion: 117 Resp: 42632
Ion Ratio Lower Upper
117 100
119 82.0 76.6 115.0
121 27.2 24.6 36.8





#36

Benzene

Concen: 0.036 ppbv

RT: 7.03 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-092018

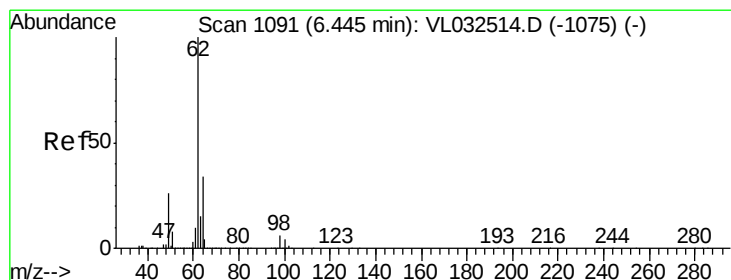
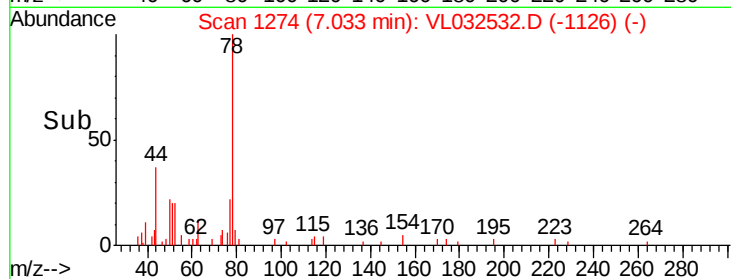
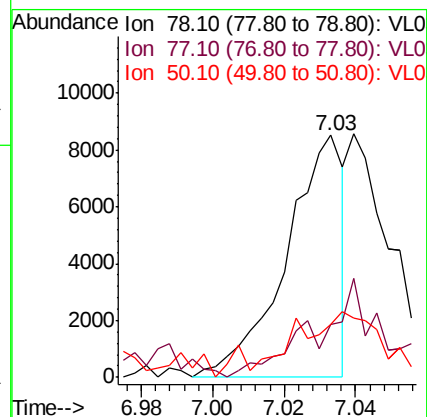
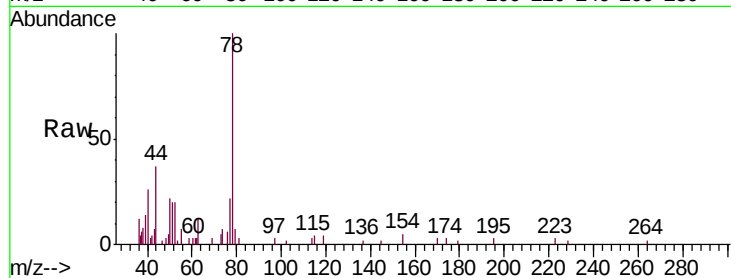
Tgt Ion: 78 Resp: 9479

Ion Ratio Lower Upper

78 100

77 14.1 18.4 27.6#

50 18.1 14.4 21.6



#37

1,2-Dichloroethane

Concen: 0.050 ppbv

RT: 6.44 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VL032532.D

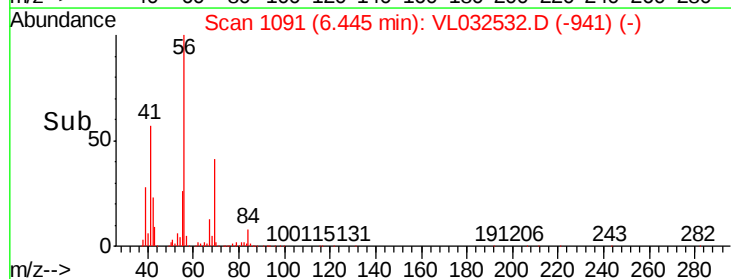
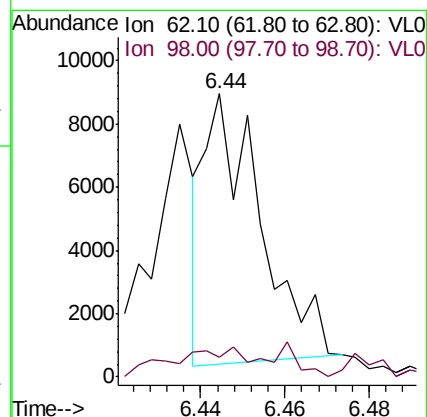
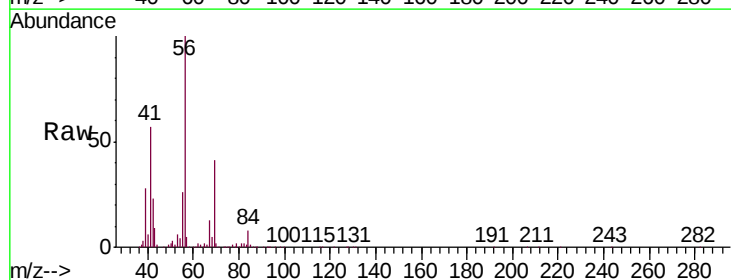
Acq: 25 Sep 2018 6:18

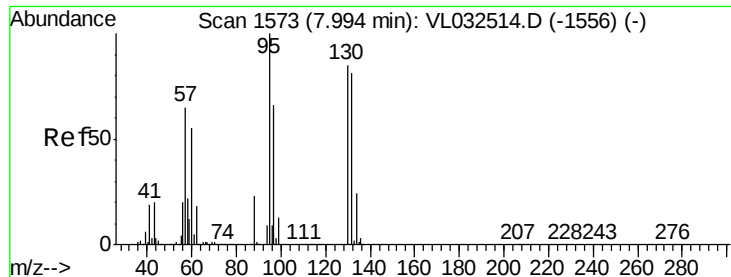
Tgt Ion: 62 Resp: 7871

Ion Ratio Lower Upper

62 100

98 0.0 5.0 7.6#

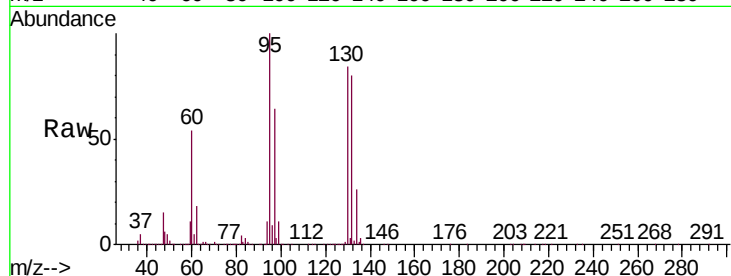




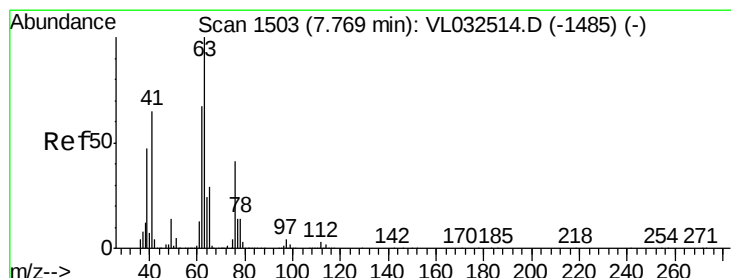
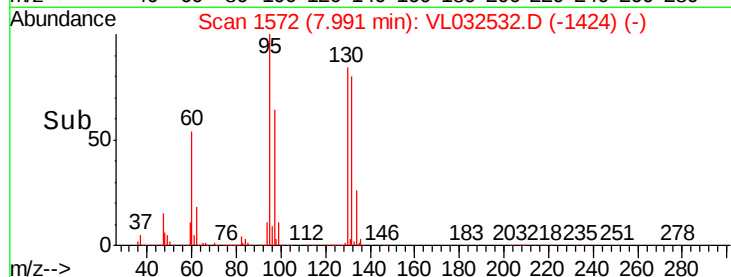
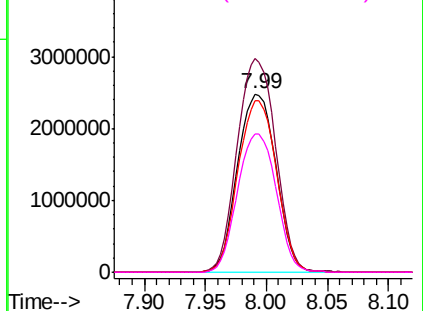
#38
 Trichloroethene
 Concen: 54.464 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032532.D
 Acq: 25 Sep 2018 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-092018

Tgt Ion:130 Resp: 5441348
 Ion Ratio Lower Upper
 130 100
 95 119.7 94.2 141.4
 132 96.1 76.2 114.4
 97 77.2 60.8 91.2

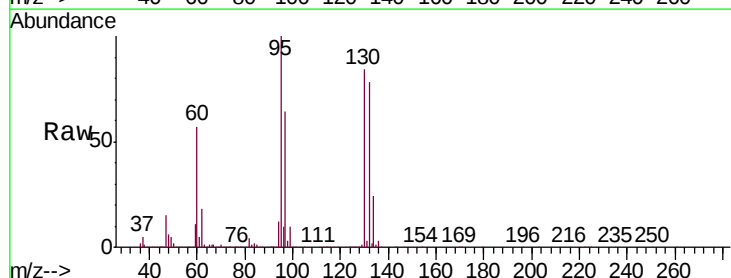


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

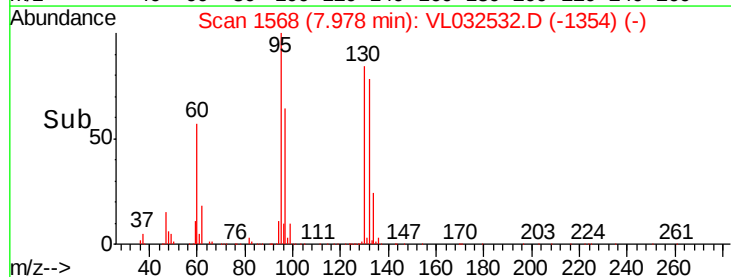
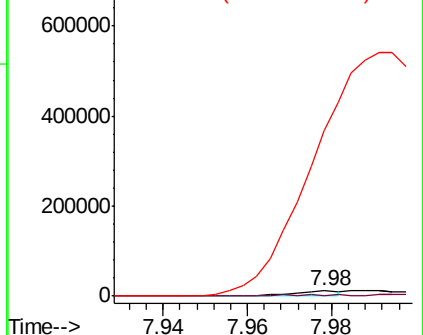


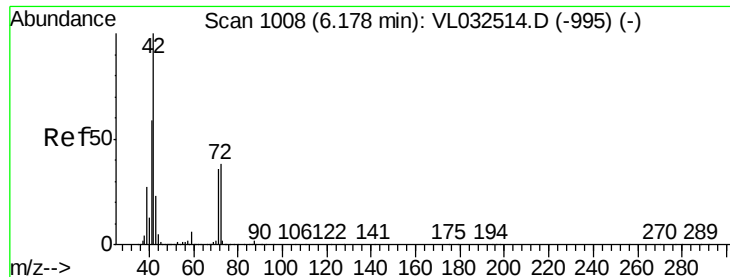
#39
 1,2-Dichloropropane
 Concen: 0.083 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. 0.19 min
 Lab File: VL032532.D
 Acq: 25 Sep 2018 6:18

Tgt Ion: 63 Resp: 9818
 Ion Ratio Lower Upper
 63 100
 41 3.6 55.4 83.0#
 62 3279.1 55.4 83.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 0.793 ppbv

RT: 6.19 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

Instrument :

MSVOA_L

ClientSampleId :

GAC-EFF-092018

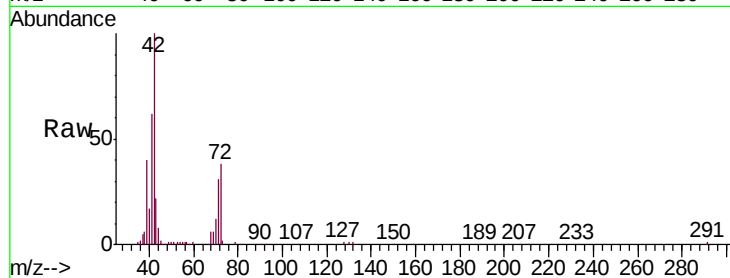
Tgt Ion: 42 Resp: 82824

Ion Ratio Lower Upper

42 100

72 41.0 29.5 44.3

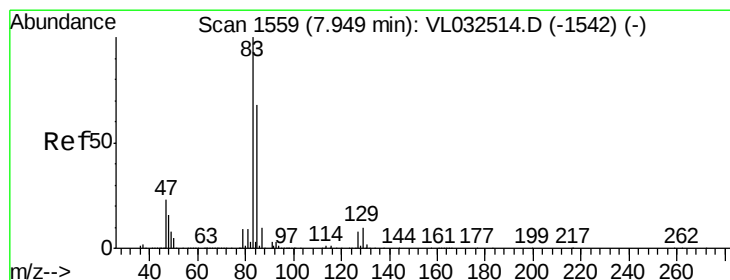
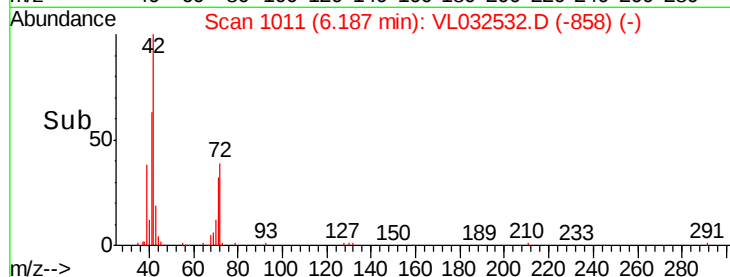
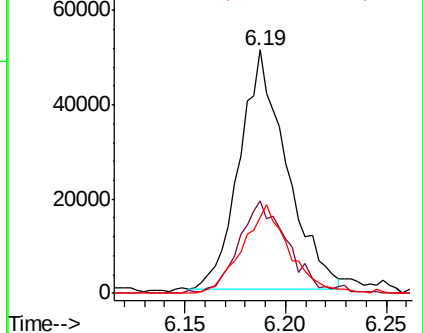
71 37.2 28.3 42.5



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: 0.376 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VL032532.D

Acq: 25 Sep 2018 6:18

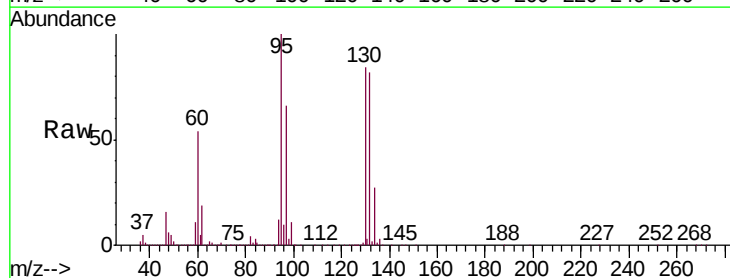
Tgt Ion: 83 Resp: 88703

Ion Ratio Lower Upper

83 100

85 60.2 51.1 76.7

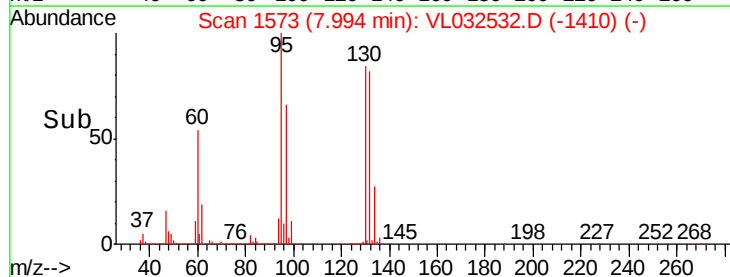
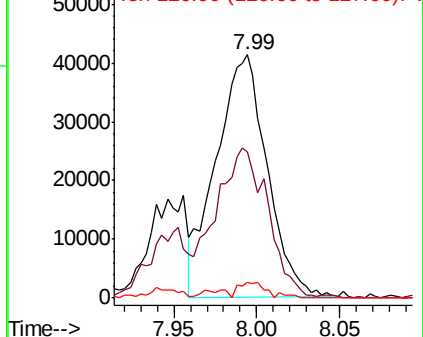
127 6.5 5.8 8.8

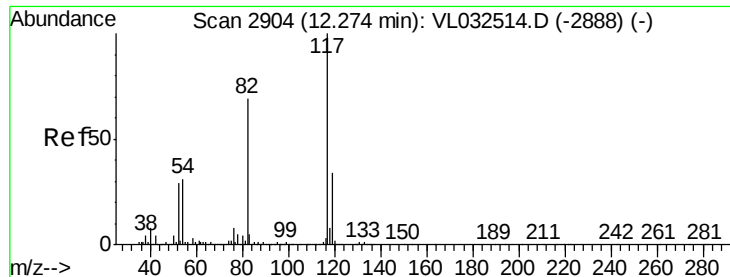


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

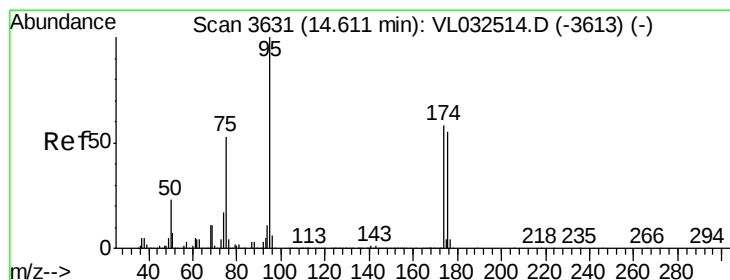
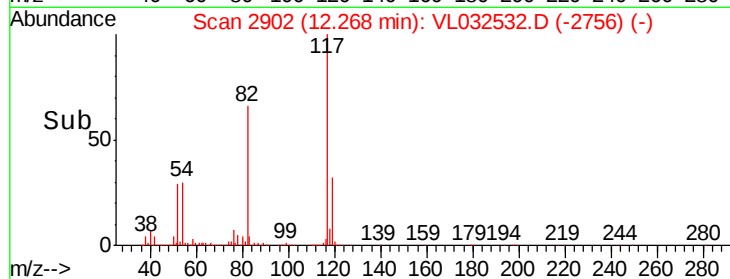
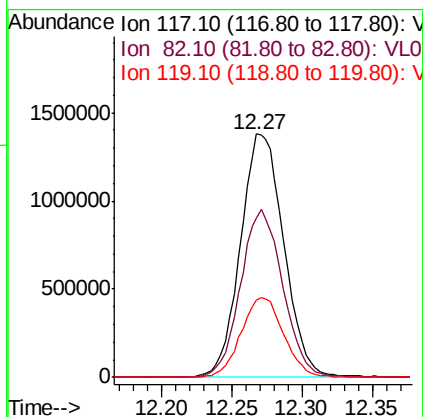
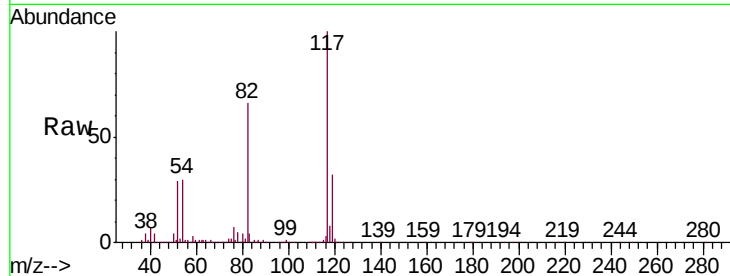




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

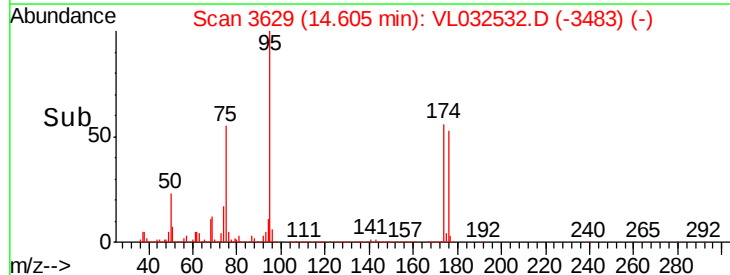
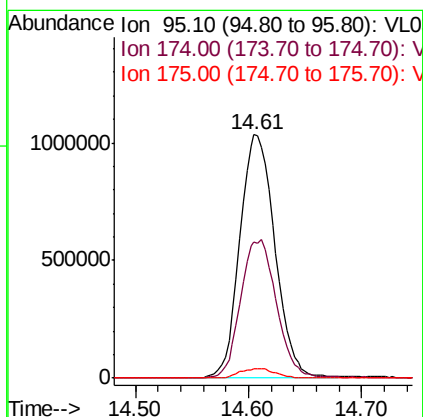
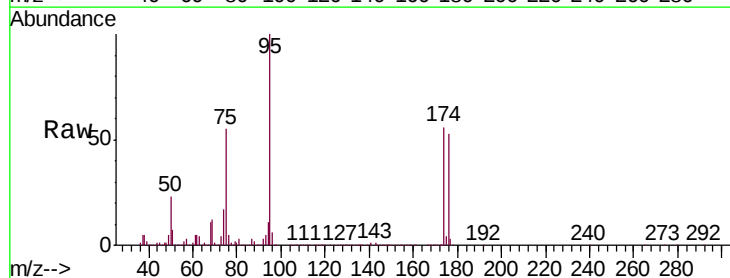
Instrument :
MSVOA_L
ClientSampleId :
GAC-EFF-092018

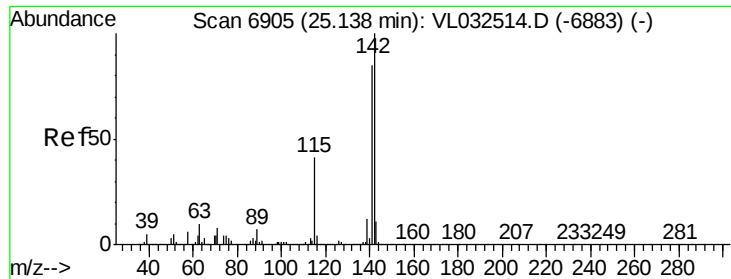
Tgt Ion: 117 Resp: 2962720
Ion Ratio Lower Upper
117 100
82 67.6 53.0 79.6
119 32.5 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.021 ppbv
RT: 14.61 min Scan# 3629
Delta R.T. -0.03 min
Lab File: VL032532.D
Acq: 25 Sep 2018 6:18

Tgt Ion: 95 Resp: 2238937
Ion Ratio Lower Upper
95 100
174 58.3 46.3 69.5
175 4.1 3.4 5.0

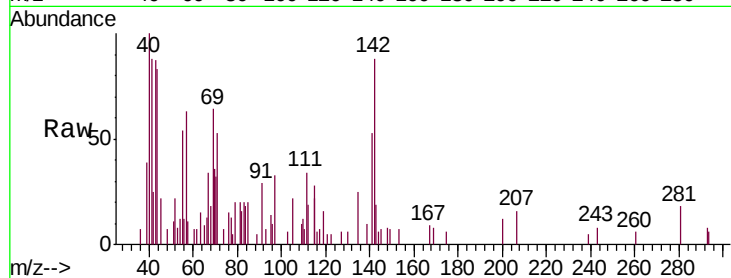




#80
 Naphthalene, 2-methyl-
 Concen: 0.089 ppbv
 RT: 25.13 min Scan# 6903
 Delta R.T. -0.02 min
 Lab File: VL032532.D
 Acq: 25 Sep 2018 6:18

Instrument :
 MSVOA_L
 ClientSampleId :
 GAC-EFF-092018

Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.4	67.0	100.6
115	60.8	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

