

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
 Data File : VL032534.D
 Acq On : 25 Sep 2018 7:37
 Operator : SY/AP
 Sample : J5034-03
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF2-092018

Quant Time: Sep 25 08:24:15 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

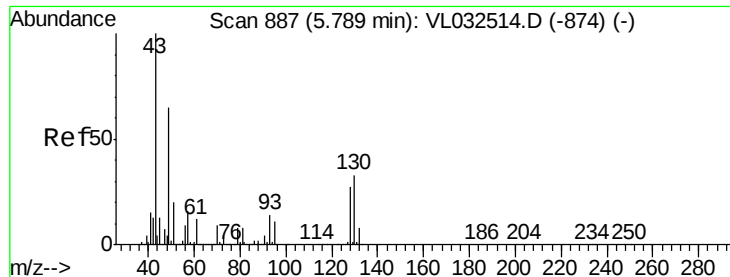
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1424528	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3054027	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3061030	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2275683	9.86	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.09	85	35901	0.272	ppbv	97
3) Chlorodifluoromethane	3.03	51	54451	0.460	ppbv	93
4) Chloromethane	3.18	50	51334	0.743	ppbv	96
5) Vinyl Chloride	3.31	62	5422	0.078	ppbv #	86
7) Chloroethane	3.62	64	56459	2.270	ppbv	97
9) Propene	3.07	41	32755	0.637	ppbv	85
11) Trichlorofluoromethane	4.02	101	66532	0.425	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	47519	0.371	ppbv	92
13) Ethanol	3.67	45	11056	0.716	ppbv #	59
15) Acetone	3.92	43	1369333	10.951	ppbv	99
16) 1,3-Butadiene	3.41	39	24857	0.490	ppbv #	4
17) tert-Butyl alcohol	4.39	59	56256	3.580	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	10655	0.178	ppbv	84
19) Isopropyl Alcohol	4.05	45	16597	0.191	ppbv #	93
20) Methylene Chloride	4.43	84	76181	1.258	ppbv	96
22) trans-1,2-Dichloroethene	4.99	96	9092	0.161	ppbv #	77
23) Vinyl Acetate	5.17	43	146321	0.662	ppbv #	90
24) 1,1-Dichloroethane	5.11	63	1899354	10.323	ppbv	99
25) Ethyl Acetate	5.80	43	21440	0.071	ppbv #	88
26) Hexane	5.80	57	20023	0.146	ppbv #	47
27) Carbon Disulfide	4.64	76	13336	0.091	ppbv #	45
29) Chloroform	5.88	83	84178	0.400	ppbv	99
31) cis-1,2-Dichloroethene	5.67	61	1241819	9.514	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	3965550	17.696	ppbv	98
34) 2-Butanone	5.36	43	127092	0.699	ppbv	99
35) Carbon Tetrachloride	7.16	117	17823	0.084	ppbv #	95
36) Benzene	7.04	78	473876	1.920	ppbv	97
37) 1,2-Dichloroethane	6.44	62	7304	0.049	ppbv #	81
38) Trichloroethene	7.99	130	5225615	55.314	ppbv	99
39) 1,2-Dichloropropane	7.98	63	15944	0.143	ppbv #	1
42) Bromodichloromethane	7.98	83	79941	0.359	ppbv #	85
44) 2,2,4-Trimethylpentane	8.02	57	18322	0.038	ppbv #	43
47) 1,1,2-Trichloroethane	9.63	97	4285	0.035	ppbv #	70
52) Tetrachloroethene	11.40	164	51123	0.595	ppbv	96
53) Toluene	9.98	91	156564	0.521	ppbv	96
62) Isopropylbenzene	14.87	105	85704	0.188	ppbv #	64
80) Naphthalene,2-methyl-	25.14	142	8796	0.142	ppbv #	72

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

Data Path : Z:\V0ASRV\HPCHEM1\MSV0A_L\DATA\VL092418\
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Misc : 400ml/MSV0A_L
ALS Vial : 1 Sample Multiplier: 1



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018

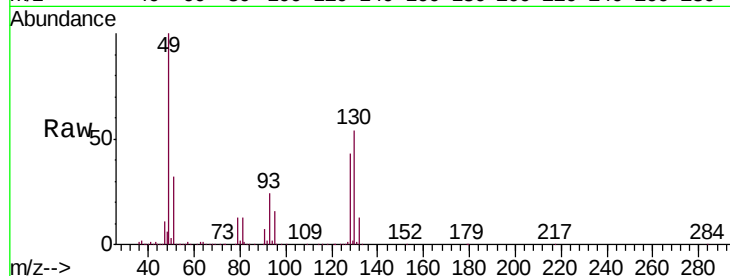
Tgt Ion: 49 Resp: 1424528

Ion Ratio Lower Upper

49 100

128 43.5 20.7 62.1

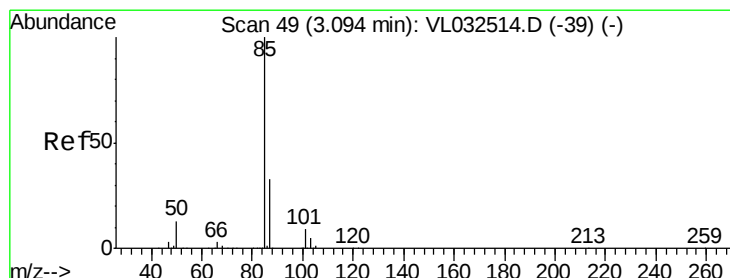
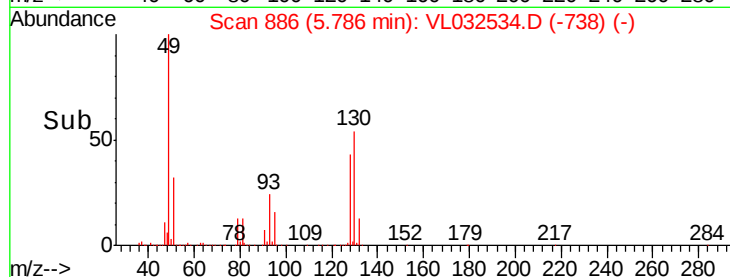
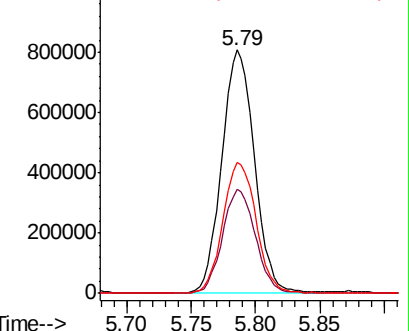
130 55.2 26.6 79.7



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: 0.272 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032534.D

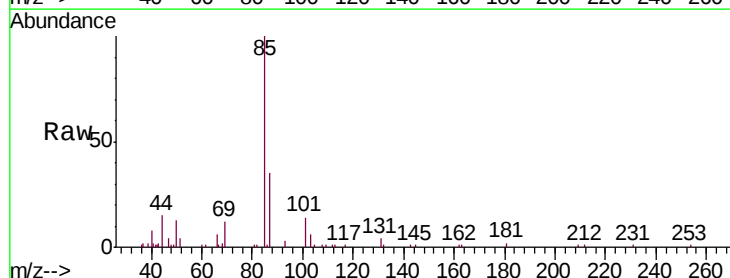
Acq: 25 Sep 2018 7:37

Tgt Ion: 85 Resp: 35901

Ion Ratio Lower Upper

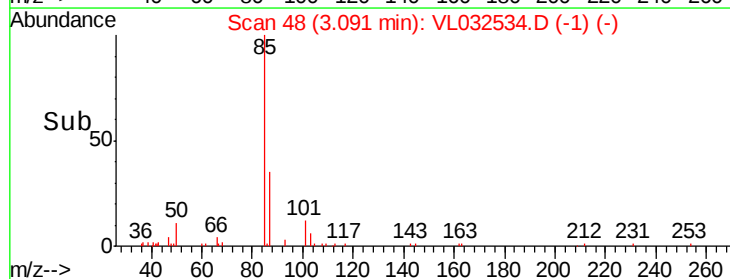
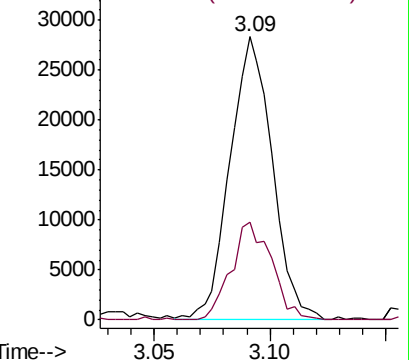
85 100

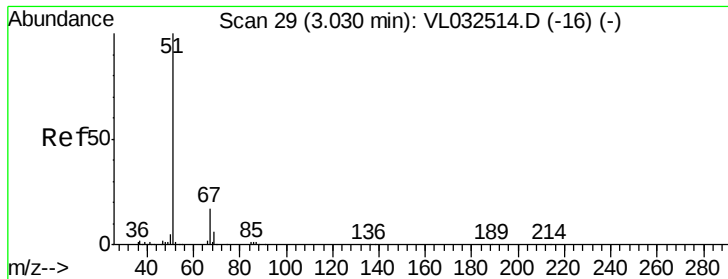
87 34.5 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.460 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

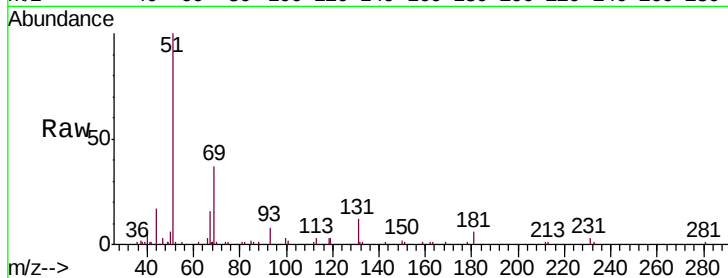
SVE-INF2-092018

Tgt Ion: 51 Resp: 54451

Ion Ratio Lower Upper

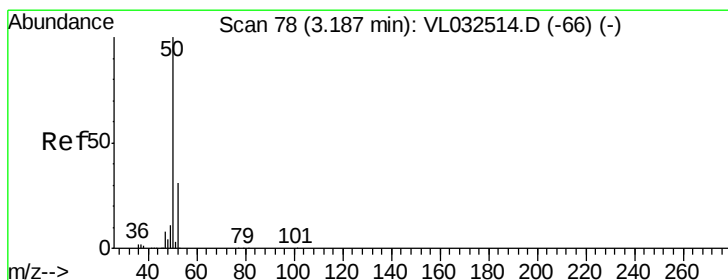
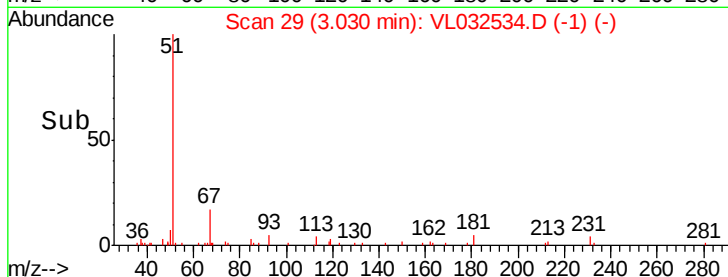
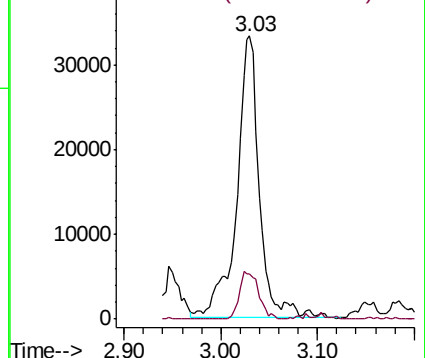
51 100

67 14.2 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: 0.743 ppbv

RT: 3.18 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL032534.D

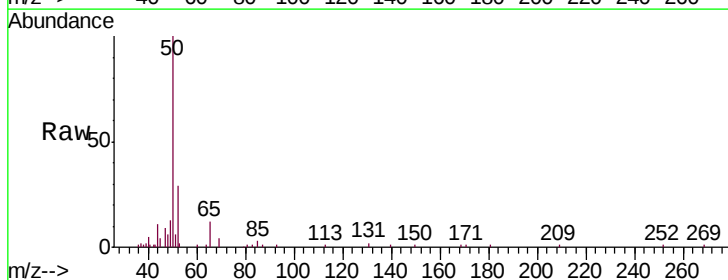
Acq: 25 Sep 2018 7:37

Tgt Ion: 50 Resp: 51334

Ion Ratio Lower Upper

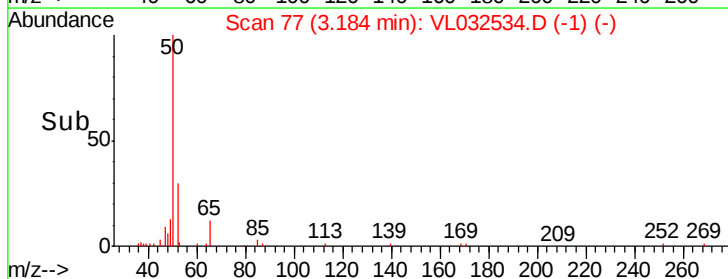
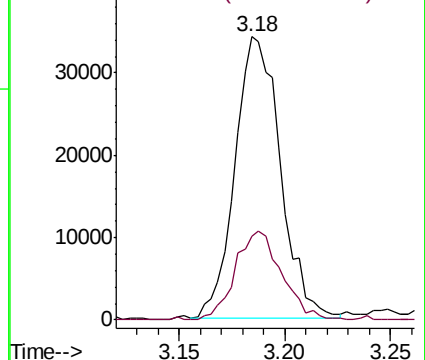
50 100

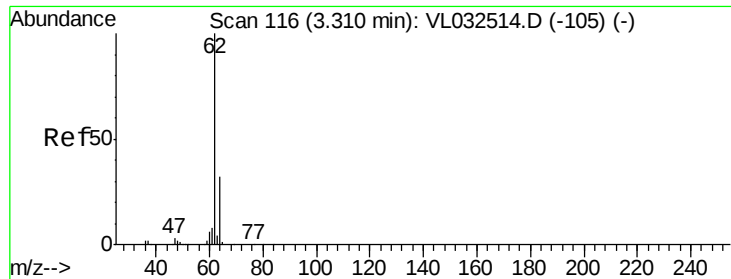
52 29.6 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.078 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

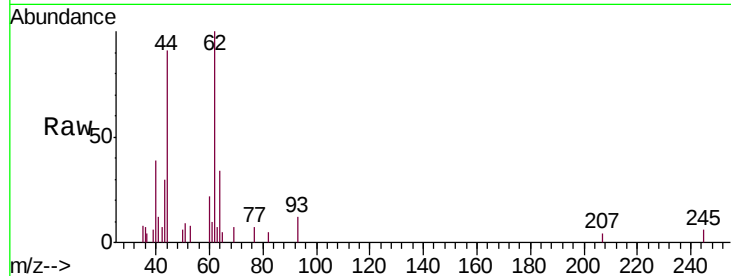
SVE-INF2-092018

Tgt Ion: 62 Resp: 5422

Ion Ratio Lower Upper

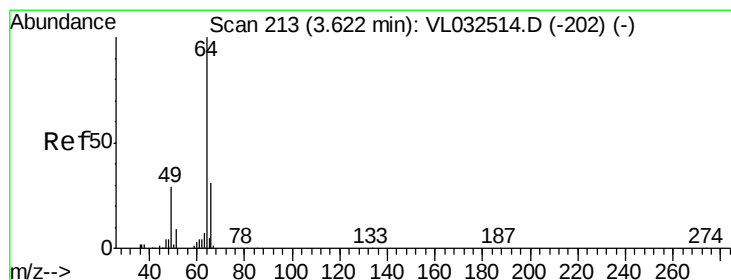
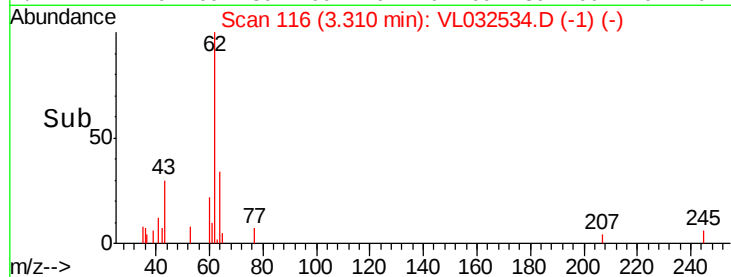
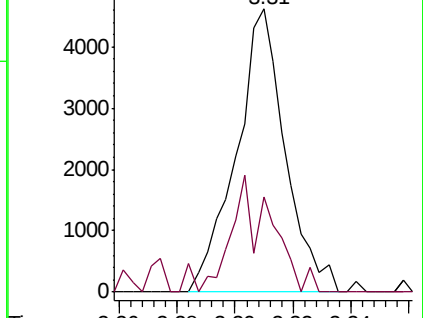
62 100

64 39.1 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#7

Chloroethane

Concen: 2.270 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032534.D

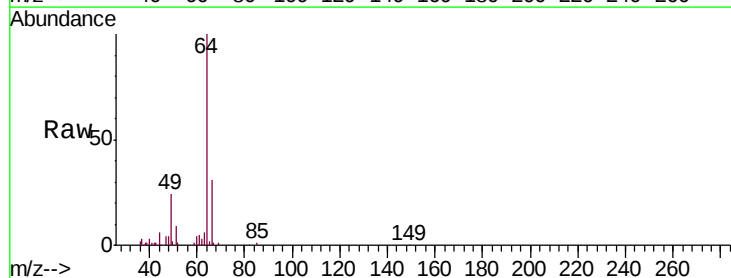
Acq: 25 Sep 2018 7:37

Tgt Ion: 64 Resp: 56459

Ion Ratio Lower Upper

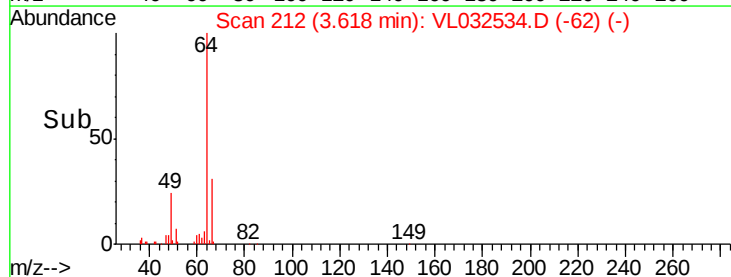
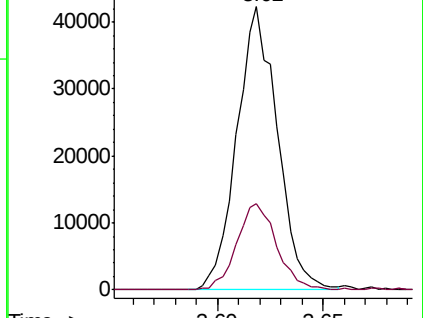
64 100

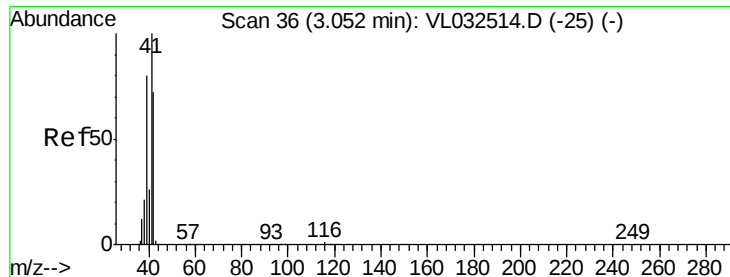
66 30.6 25.8 38.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#9

Propene

Concen: 0.637 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

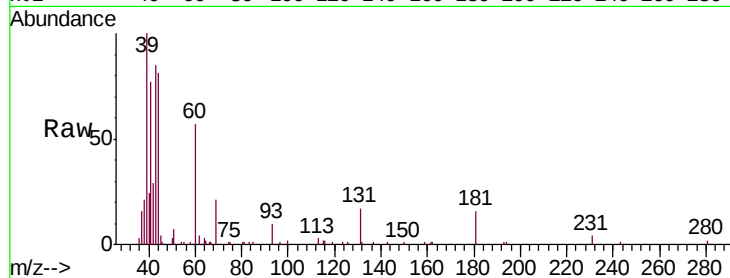
SVE-INF2-092018

Tgt Ion: 41 Resp: 32755

Ion Ratio Lower Upper

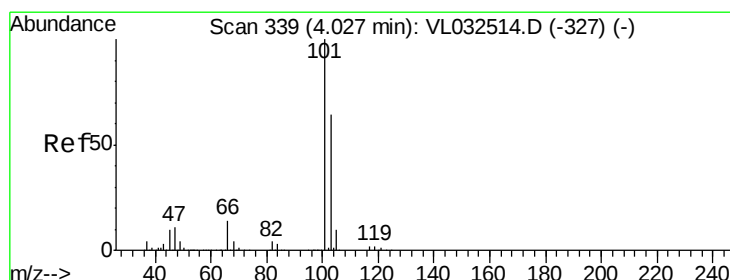
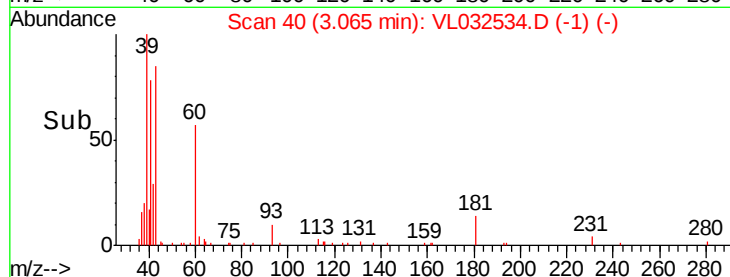
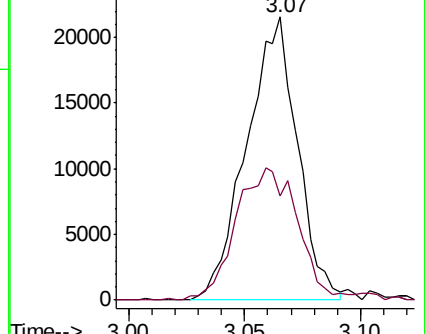
41 100

42 58.4 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.425 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032534.D

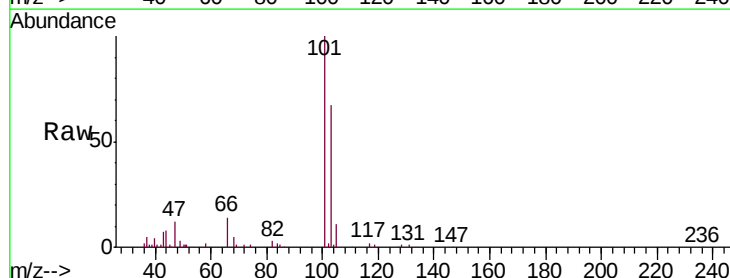
Acq: 25 Sep 2018 7:37

Tgt Ion: 101 Resp: 66532

Ion Ratio Lower Upper

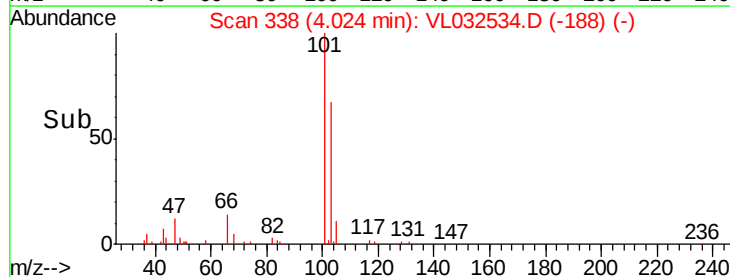
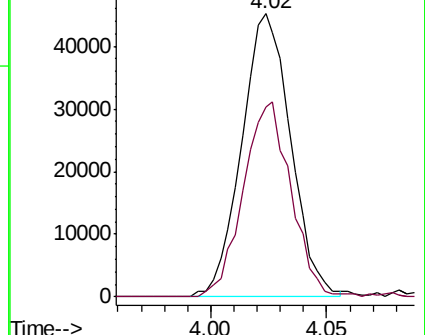
101 100

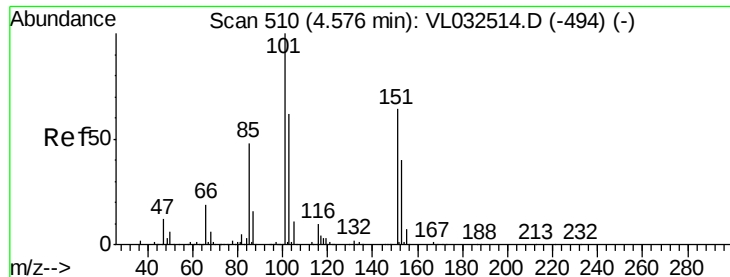
103 66.9 52.8 79.2



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: 0.371 ppbv

RT: 4.57 min Scan# 509

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

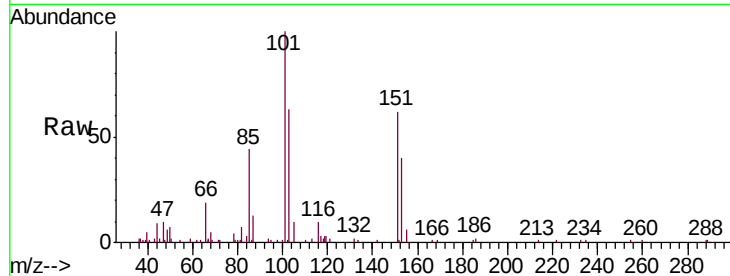
SVE-INF2-092018

Tgt Ion:101 Resp: 47519

Ion Ratio Lower Upper

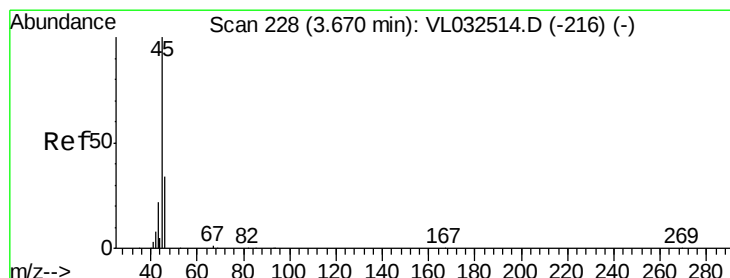
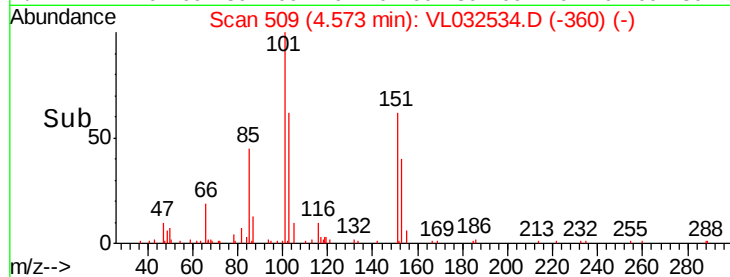
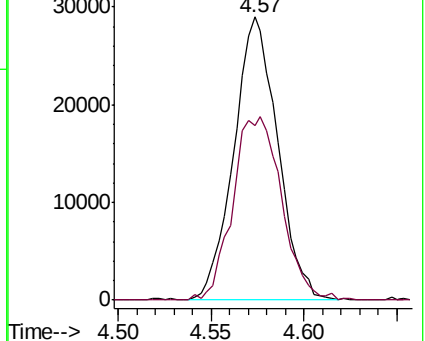
101 100

151 72.1 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: 0.716 ppbv

RT: 3.67 min Scan# 229

Delta R.T. -0.01 min

Lab File: VL032534.D

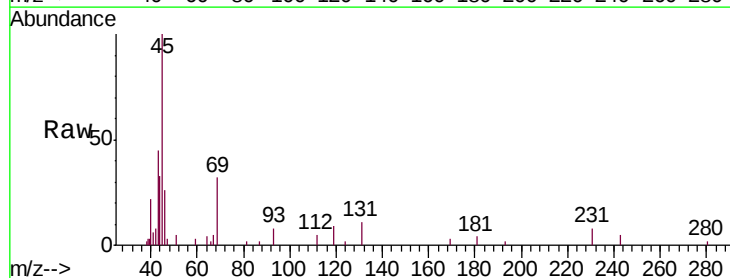
Acq: 25 Sep 2018 7:37

Tgt Ion: 45 Resp: 11056

Ion Ratio Lower Upper

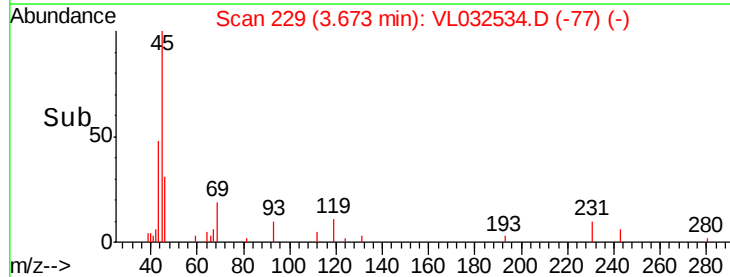
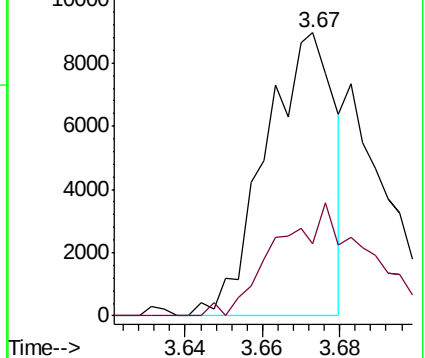
45 100

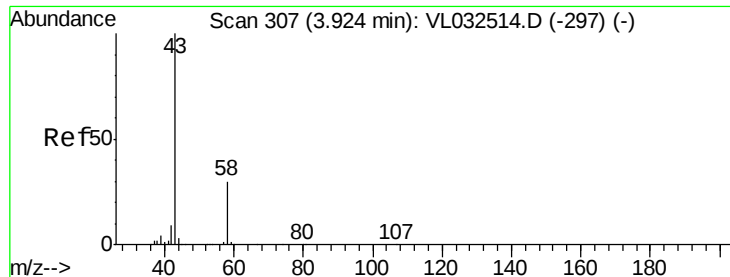
46 59.7 14.2 56.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 10.951 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

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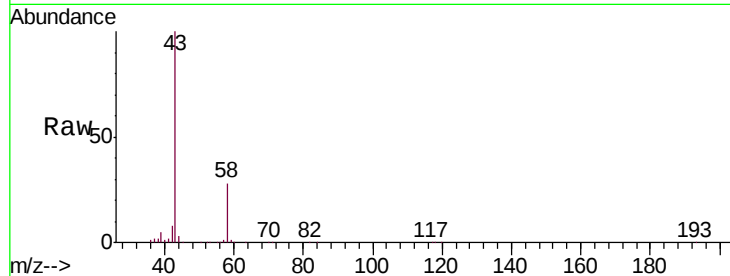
SVE-INF2-092018

Tgt Ion: 43 Resp: 1369333

Ion Ratio Lower Upper

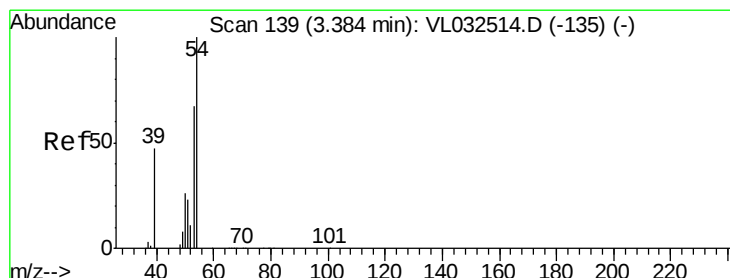
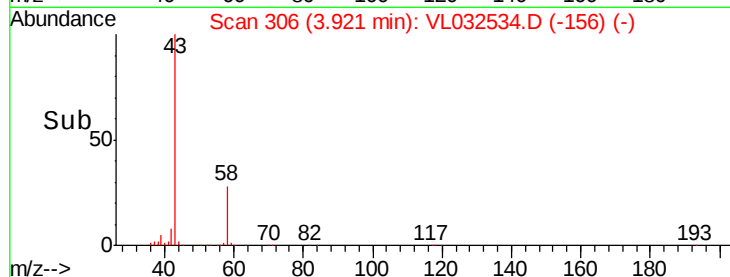
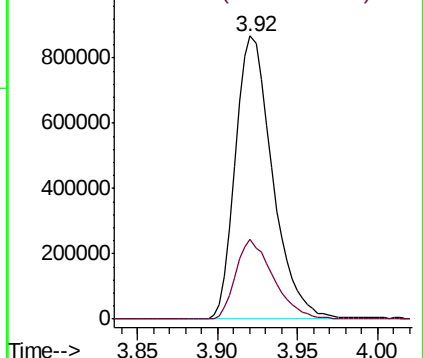
43 100

58 28.7 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.490 ppbv

RT: 3.41 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL032534.D

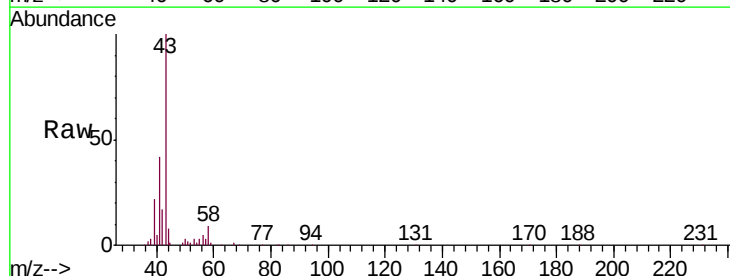
Acq: 25 Sep 2018 7:37

Tgt Ion: 39 Resp: 24857

Ion Ratio Lower Upper

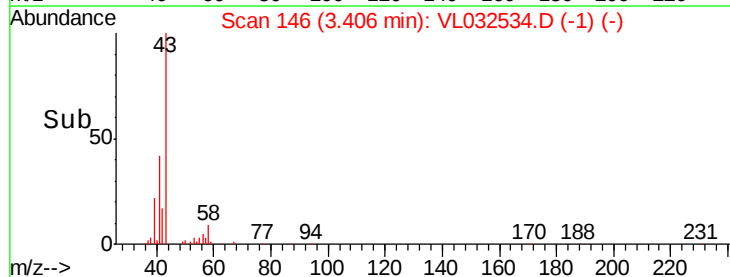
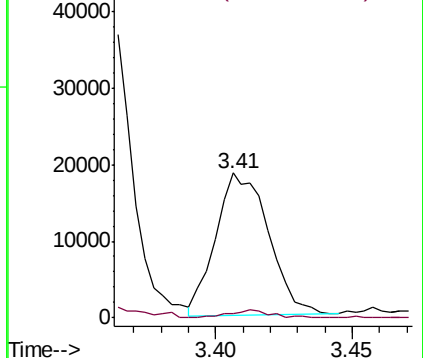
39 100

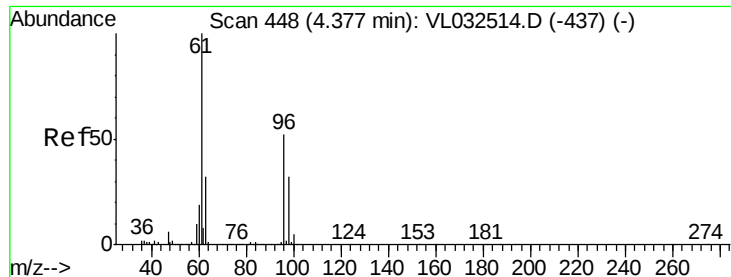
54 4.3 80.8 121.2#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



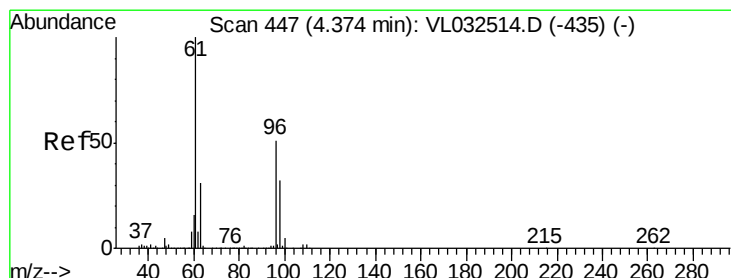
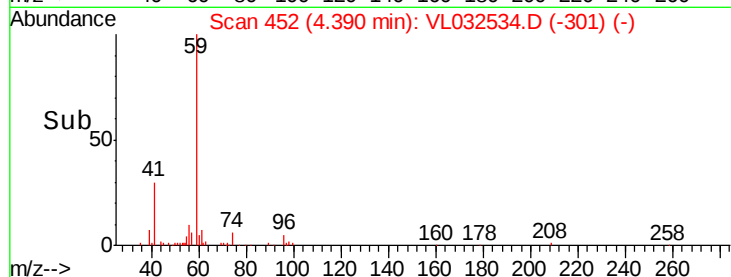
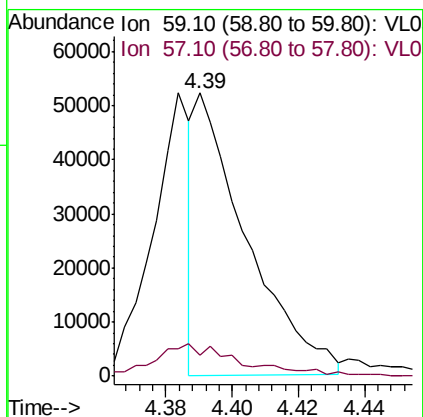
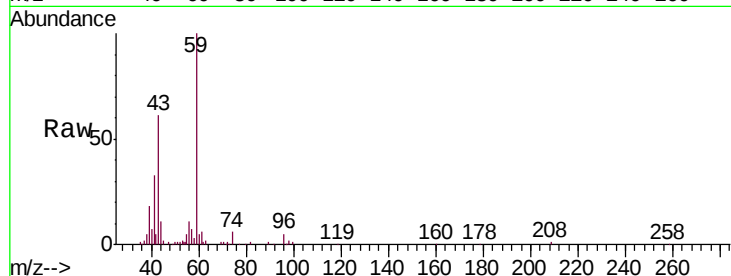


#17

tert-Butyl alcohol
Concen: 3.580 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

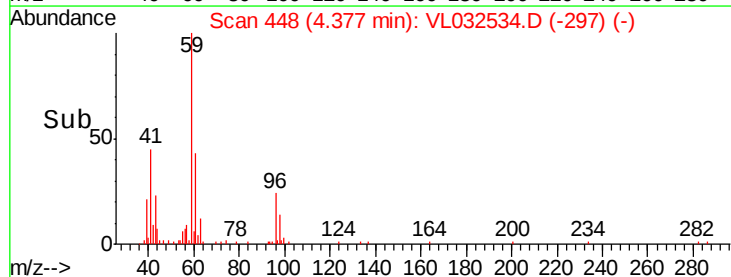
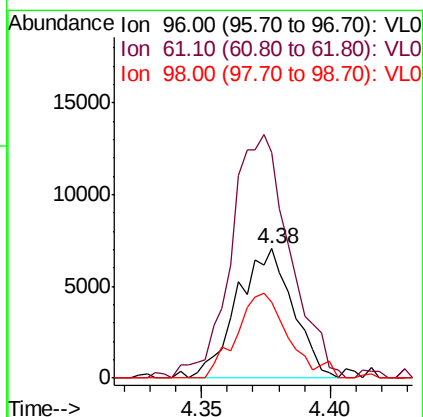
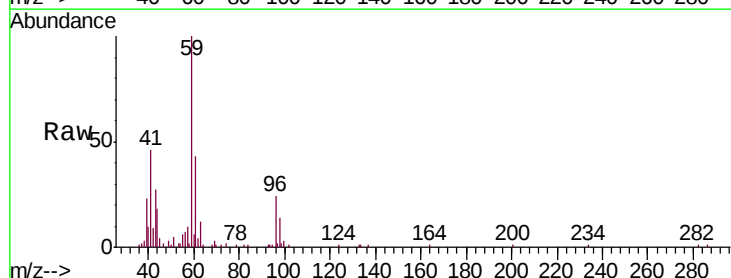
Tgt Ion: 59 Resp: 56256
Ion Ratio Lower Upper
59 100
57 19.4 0.0 0.0#

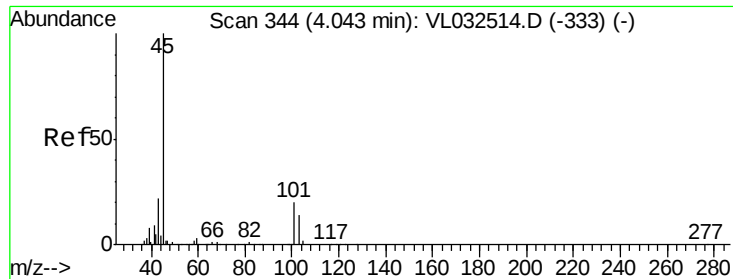


#18

1,1-Dichloroethene
Concen: 0.178 ppbv
RT: 4.38 min Scan# 448
Delta R.T. -0.01 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 96 Resp: 10655
Ion Ratio Lower Upper
96 100
61 168.8 159.2 238.8
98 67.9 51.0 76.4





#19

Isopropyl Alcohol

Concen: 0.191 ppbv

RT: 4.05 min Scan# 347

Delta R.T. -0.01 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

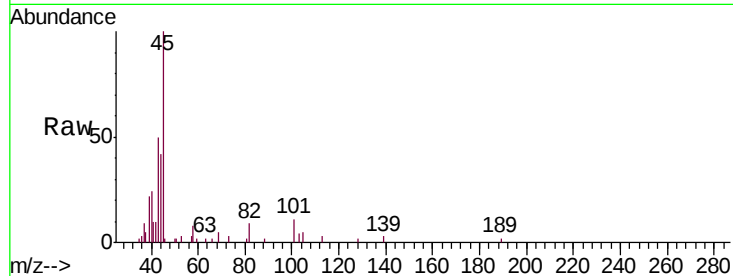
SVE-INF2-092018

Tgt Ion: 45 Resp: 16597

Ion Ratio Lower Upper

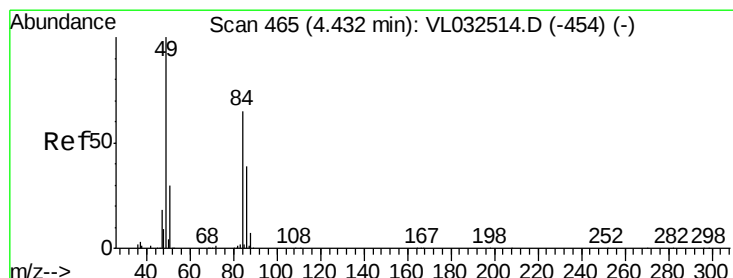
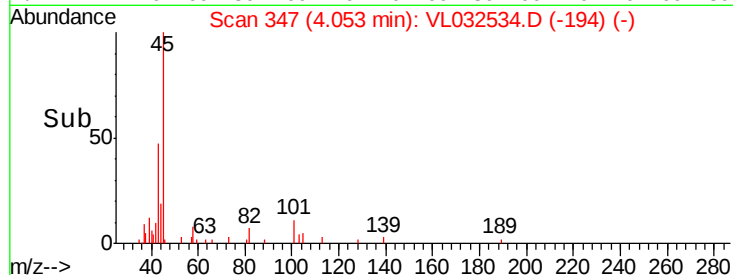
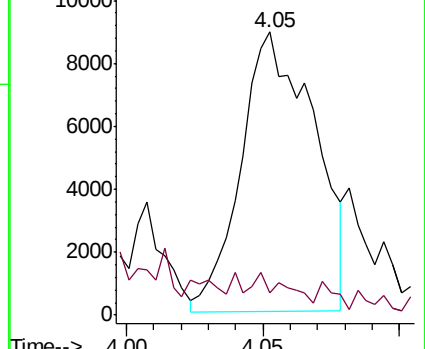
45 100

58 0.0 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.258 ppbv

RT: 4.43 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Tgt Ion: 84 Resp: 76181

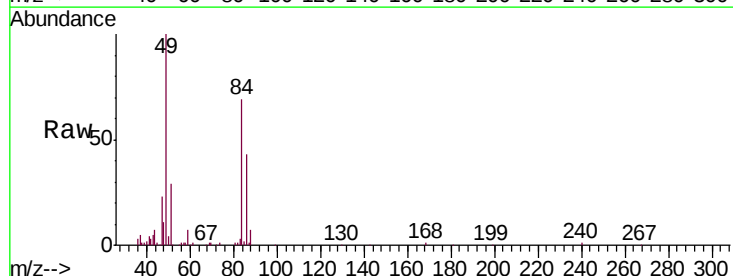
Ion Ratio Lower Upper

84 100

49 142.1 119.1 178.7

51 40.3 35.2 52.8

86 62.2 49.4 74.2

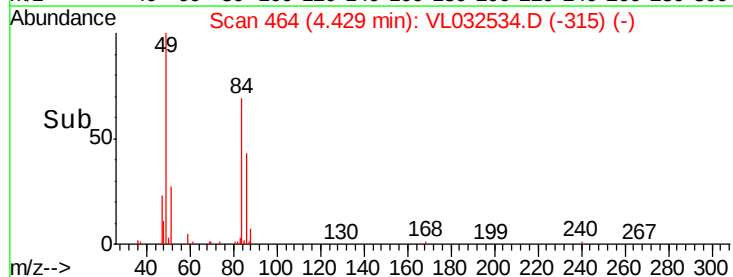
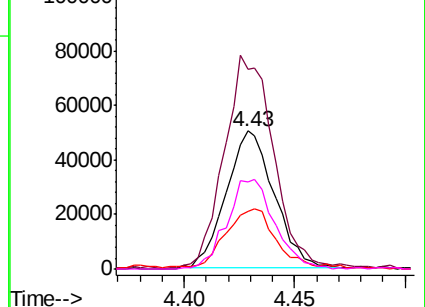


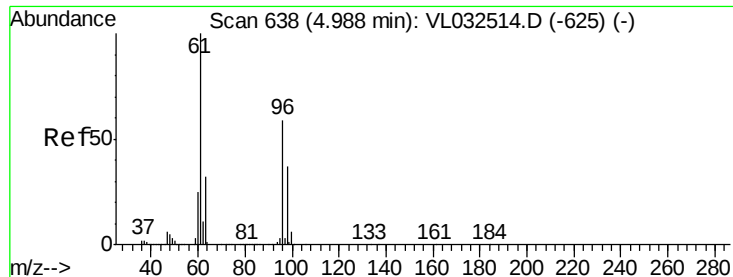
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#22

trans-1,2-Dichloroethene

Concen: 0.161 ppbv

RT: 4.99 min Scan# 638

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018

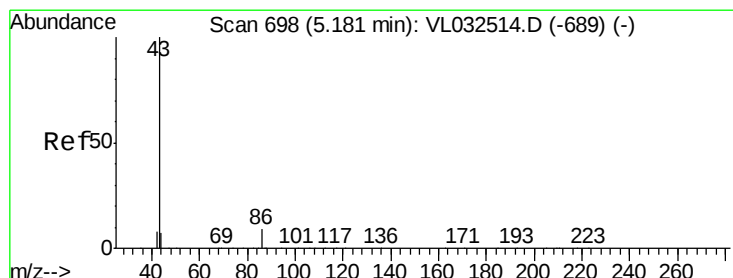
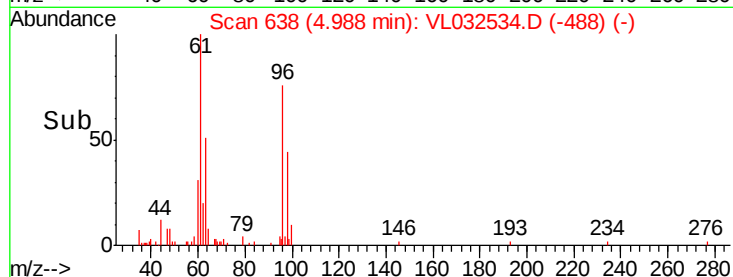
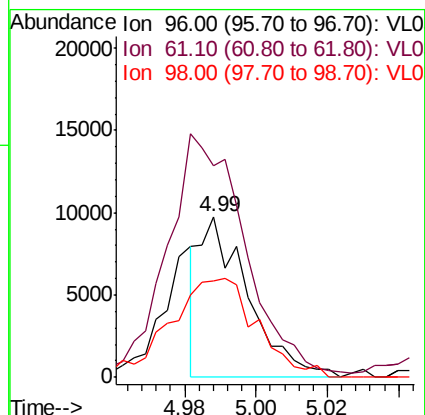
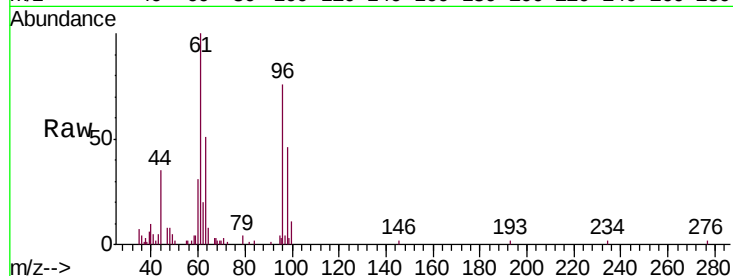
Tgt Ion: 96 Resp: 9092

Ion Ratio Lower Upper

96 100

61 128.2 136.2 204.4#

98 60.2 50.4 75.6



#23

Vinyl Acetate

Concen: 0.662 ppbv

RT: 5.17 min Scan# 695

Delta R.T. -0.03 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Tgt Ion: 43 Resp: 146321

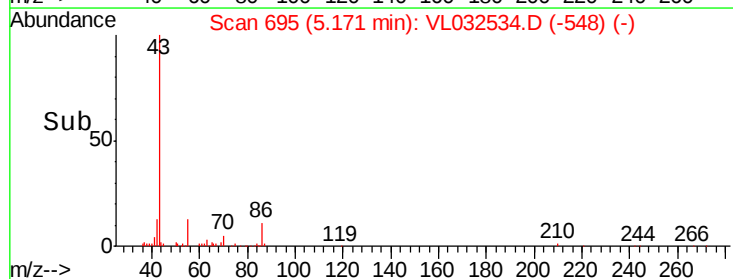
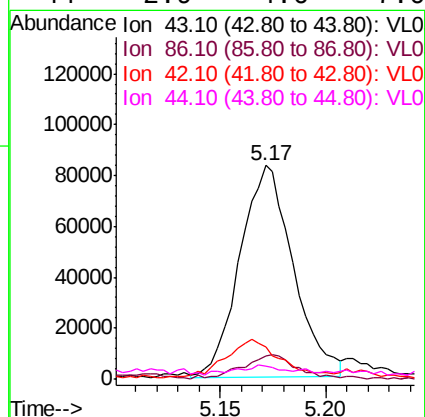
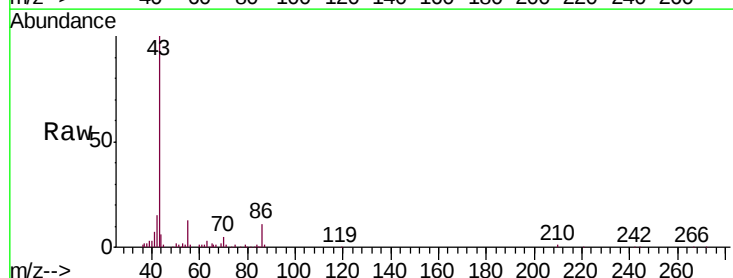
Ion Ratio Lower Upper

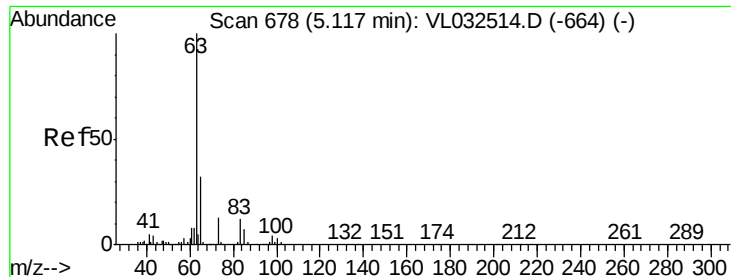
43 100

86 10.2 5.9 8.9#

42 13.1 6.9 10.3#

44 2.9 4.6 7.0#





#24

1,1-Dichloroethane

Concen: 10.323 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018

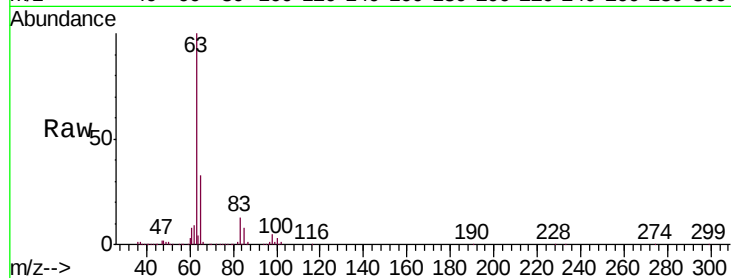
Tgt Ion: 63 Resp: 1899354

Ion Ratio Lower Upper

63 100

98 4.7 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

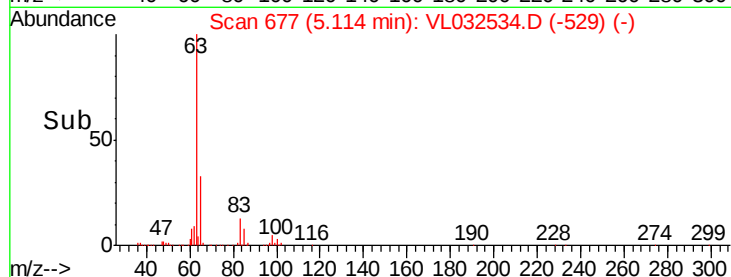
1500000

1000000

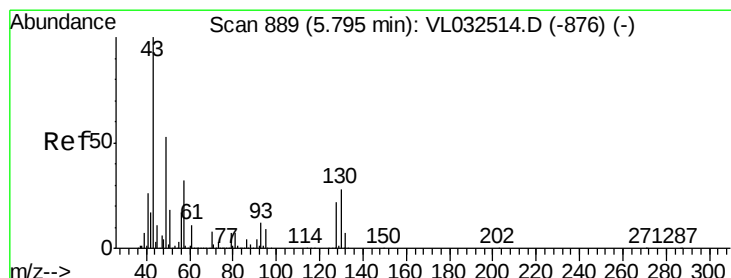
500000

0

Time-->



Time-->



#25

Ethyl Acetate

Concen: 0.071 ppbv

RT: 5.80 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Tgt Ion: 43 Resp: 21440

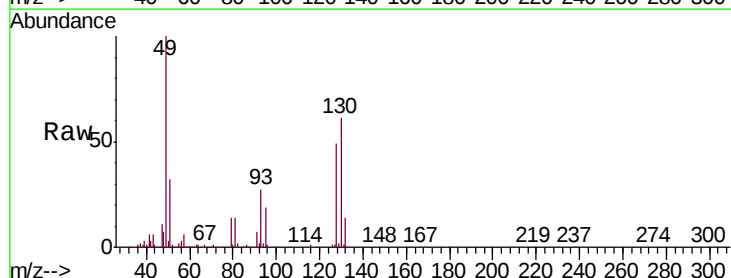
Ion Ratio Lower Upper

43 100

45 10.7 8.0 12.0

61 0.0 7.6 11.4#

70 4.9 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

30000

25000

20000

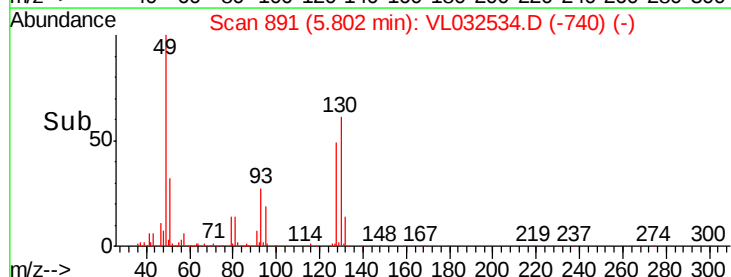
15000

10000

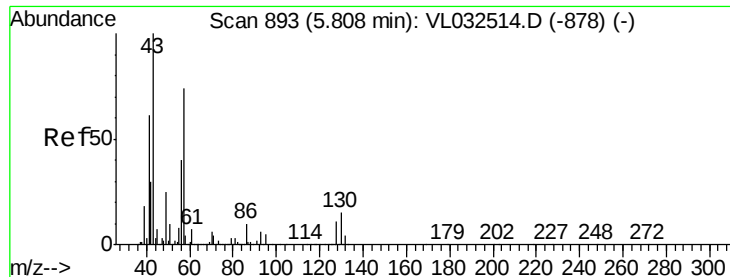
5000

0

Time-->



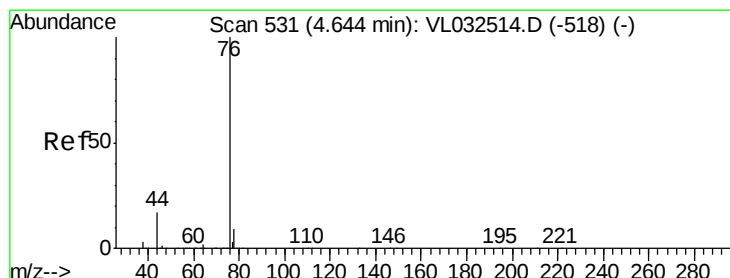
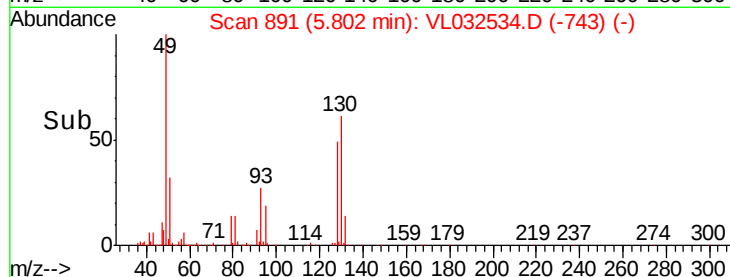
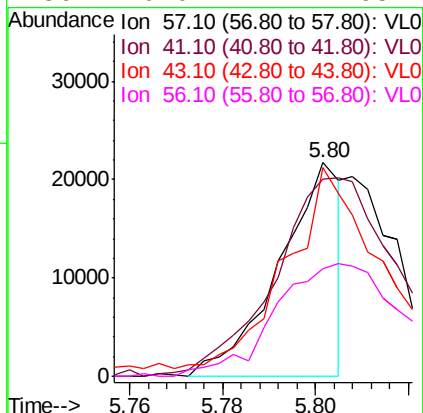
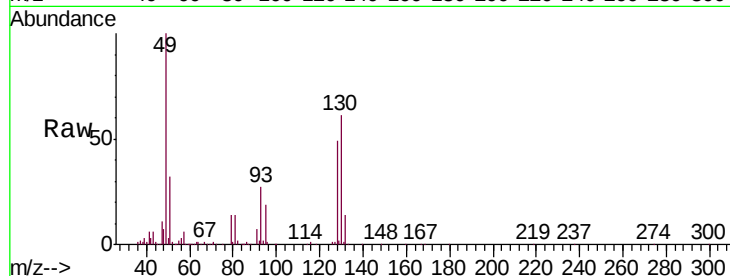
Time-->



#26
Hexane
Concen: 0.146 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

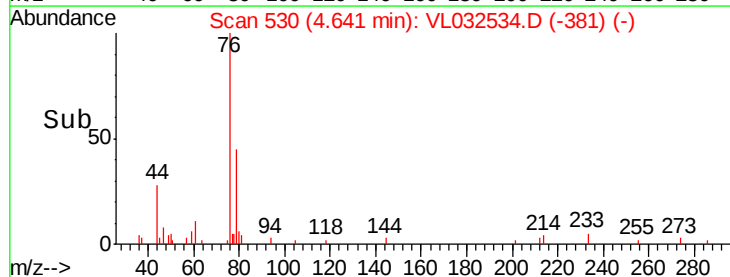
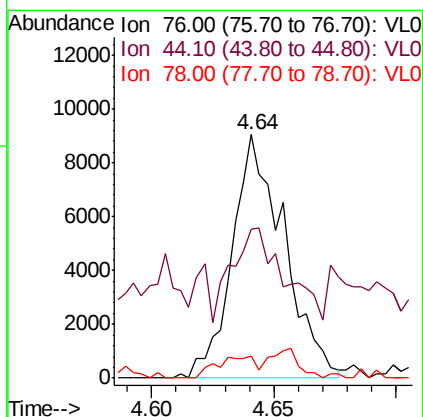
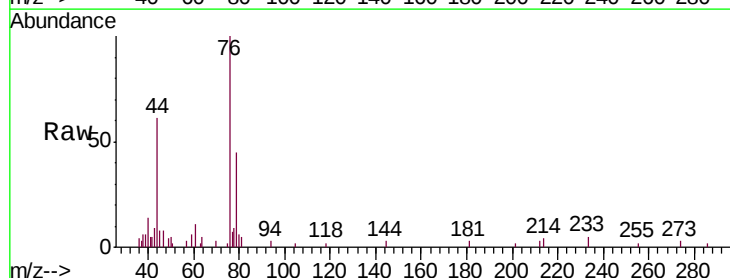
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

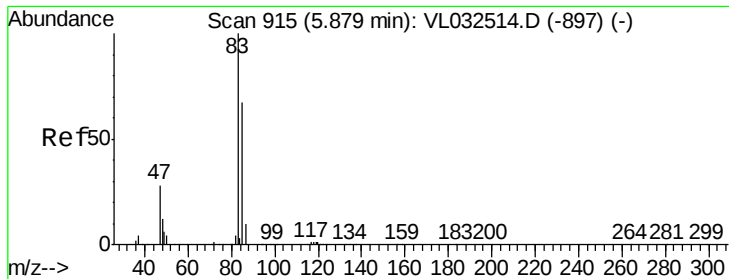
Tgt Ion: 57 Resp: 20023
Ion Ratio Lower Upper
57 100
41 0.0 69.0 103.4#
43 164.1 172.1 258.1#
56 0.0 42.2 63.2#



#27
Carbon Disulfide
Concen: 0.091 ppbv
RT: 4.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 76 Resp: 13336
Ion Ratio Lower Upper
76 100
44 51.1 14.0 21.0#
78 14.9 7.5 11.3#

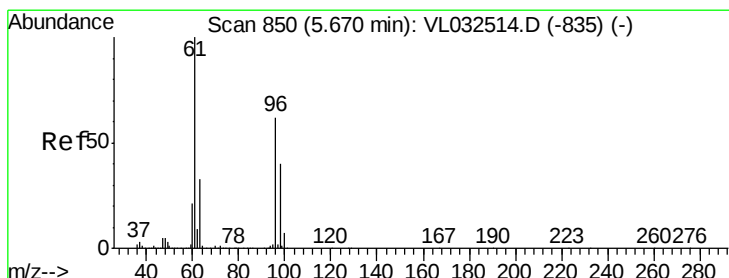
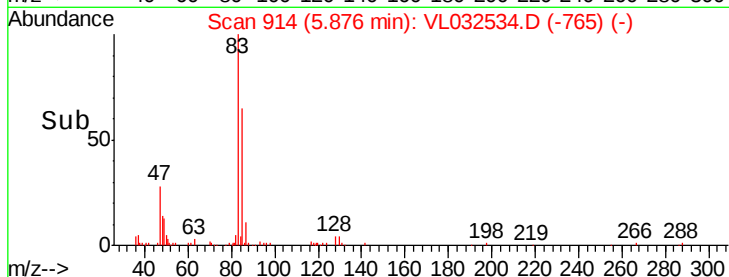
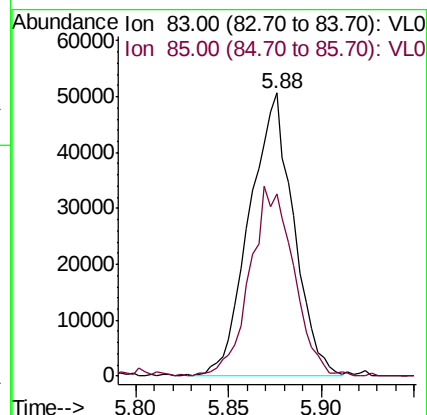
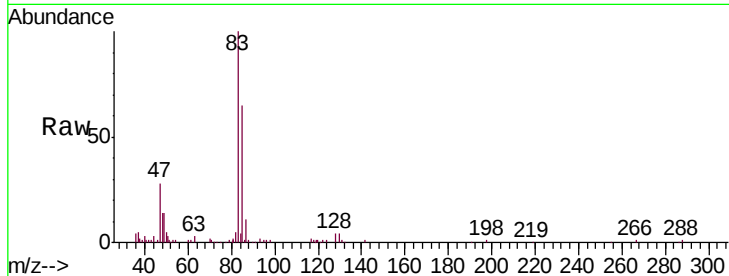




#29
Chloroform
Concen: 0.400 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

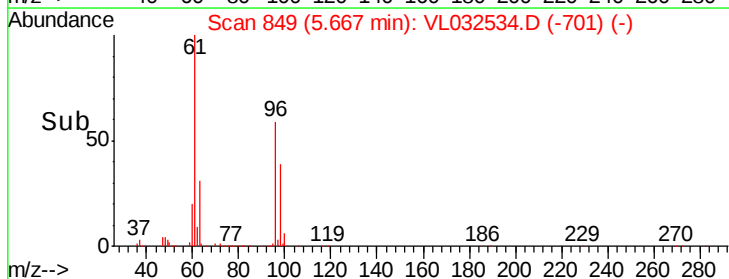
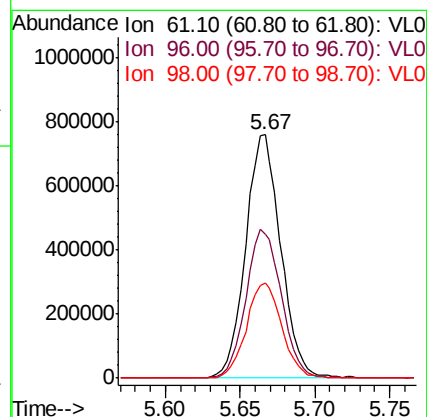
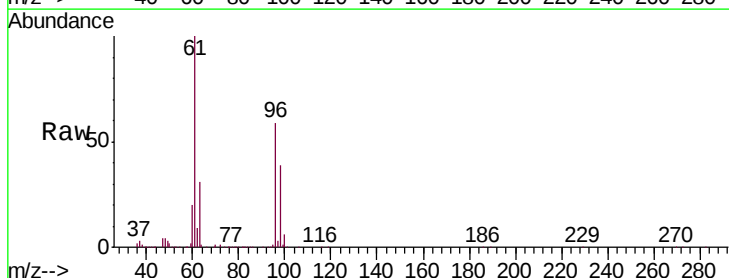
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

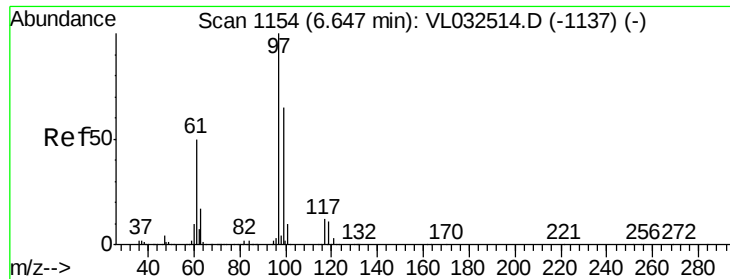
Tgt Ion: 83 Resp: 84178
Ion Ratio Lower Upper
83 100
85 64.5 52.5 78.7



#31
cis-1,2-Dichloroethene
Concen: 9.514 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 61 Resp: 1241819
Ion Ratio Lower Upper
61 100
96 59.3 49.2 73.8
98 39.2 30.7 46.1





#32

1,1,1-Trichloroethane

Concen: 17.696 ppbv

RT: 6.65 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018

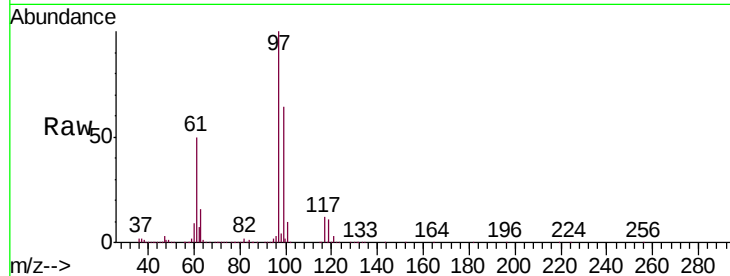
Tgt Ion: 97 Resp: 3965550

Ion Ratio Lower Upper

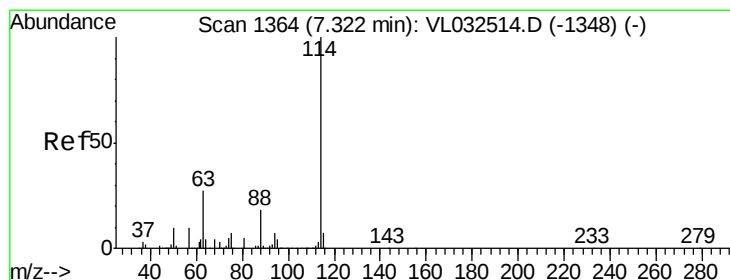
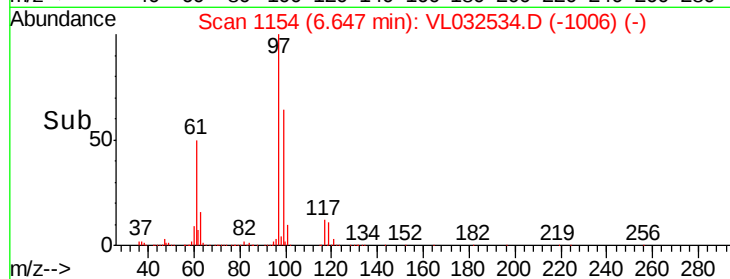
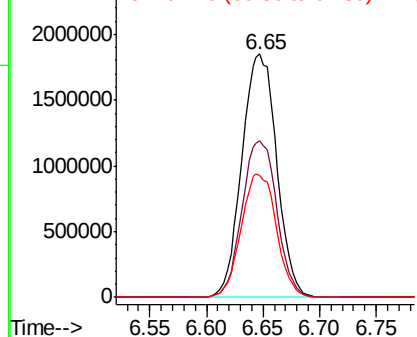
97 100

99 64.4 52.1 78.1

61 51.4 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# 1363

Delta R.T. -0.03 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

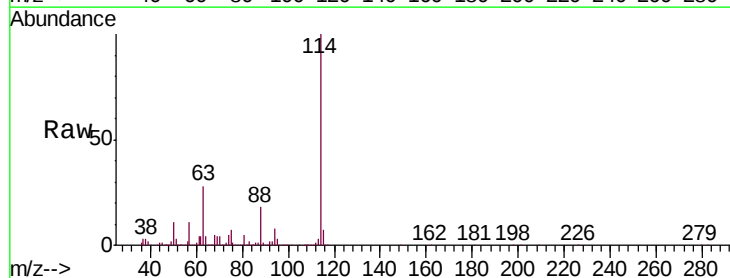
Tgt Ion: 114 Resp: 3054027

Ion Ratio Lower Upper

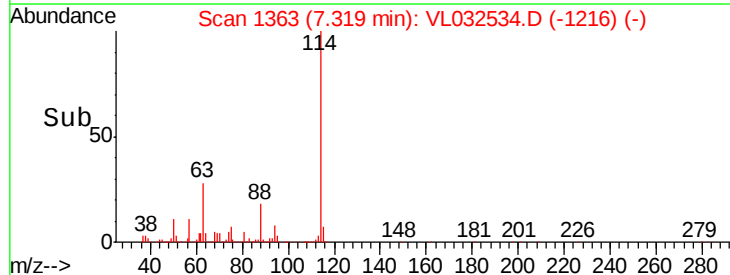
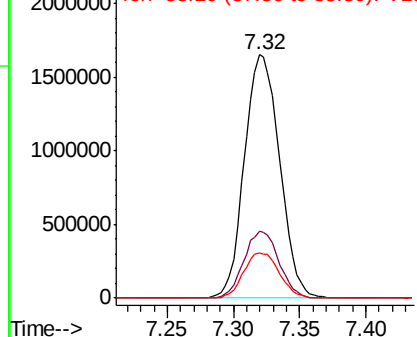
114 100

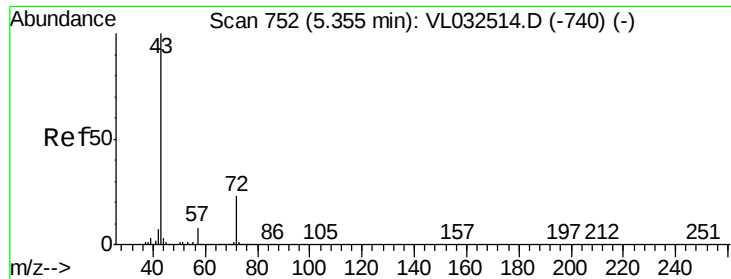
63 27.5 22.2 33.4

88 18.8 15.0 22.4



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

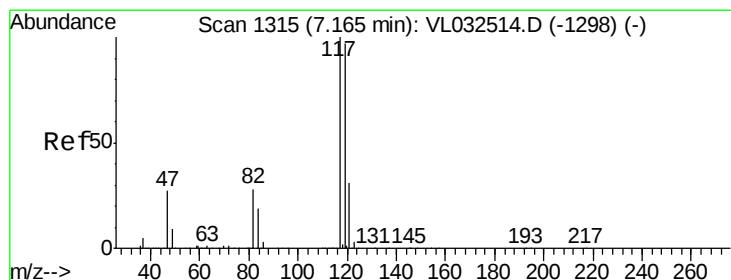
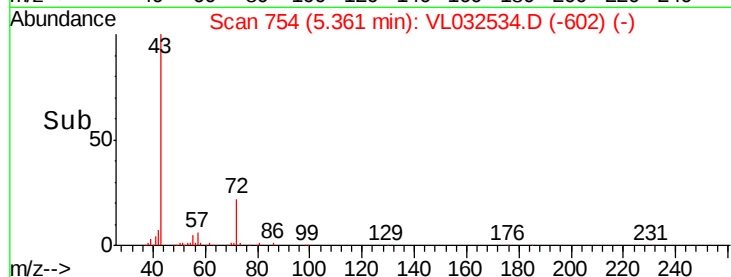
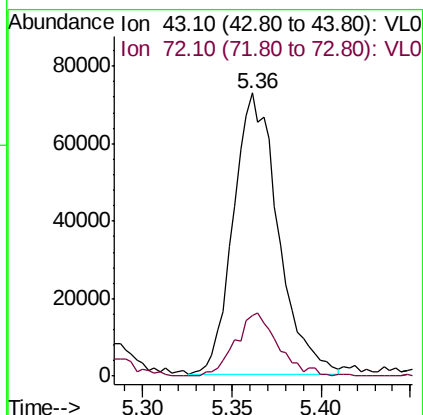
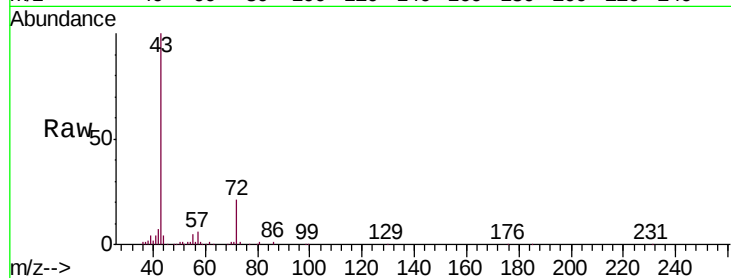




#34
2-Butanone
Concen: 0.699 ppbv
RT: 5.36 min Scan# 754
Delta R.T. -0.01 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

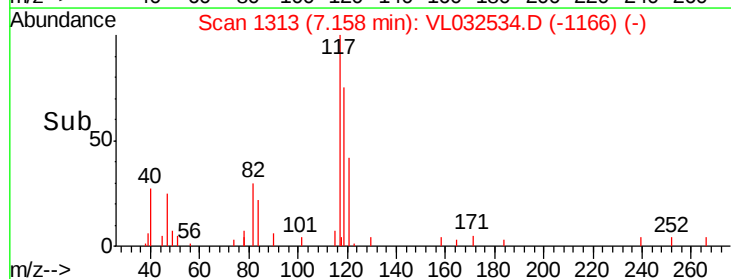
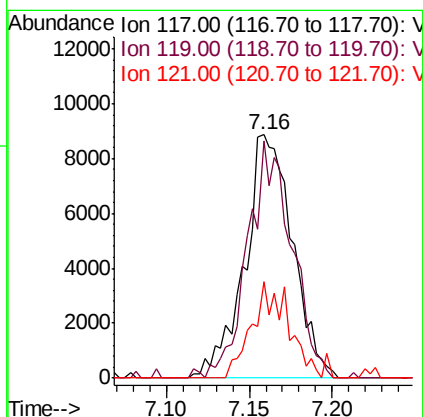
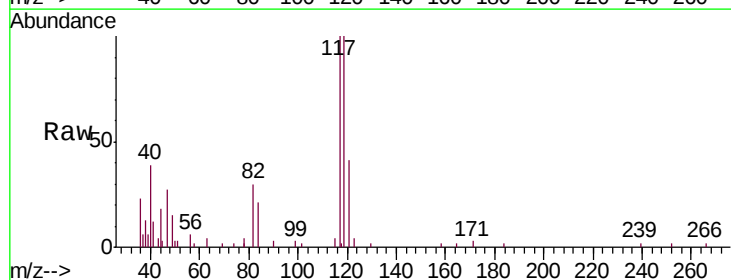
Instrument :
MSVOA_L
ClientSampleId :
SVE-INF2-092018

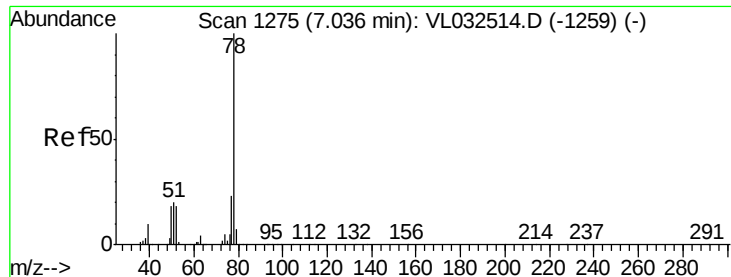
Tgt Ion: 43 Resp: 127092
Ion Ratio Lower Upper
43 100
72 21.8 17.8 26.6



#35
Carbon Tetrachloride
Concen: 0.084 ppbv
RT: 7.16 min Scan# 1313
Delta R.T. -0.03 min
Lab File: VL032534.D
Acq: 25 Sep 2018 7:37

Tgt Ion: 117 Resp: 17823
Ion Ratio Lower Upper
117 100
119 97.6 76.6 115.0
121 39.8 24.6 36.8#





#36

Benzene

Concen: 1.920 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018

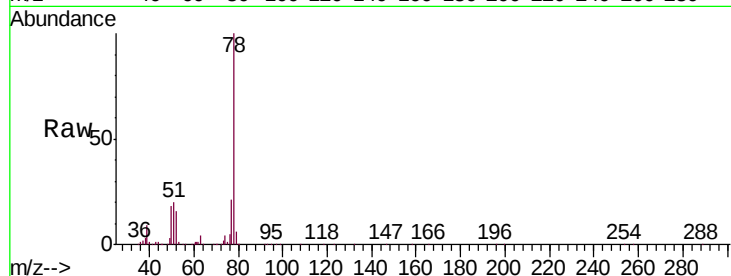
Tgt Ion: 78 Resp: 473876

Ion Ratio Lower Upper

78 100

77 20.6 18.4 27.6

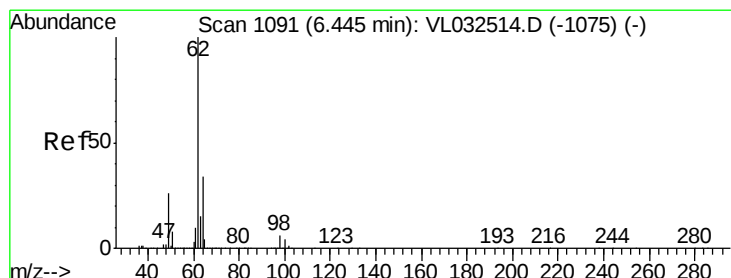
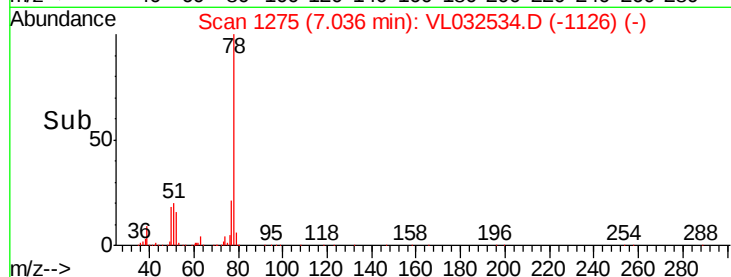
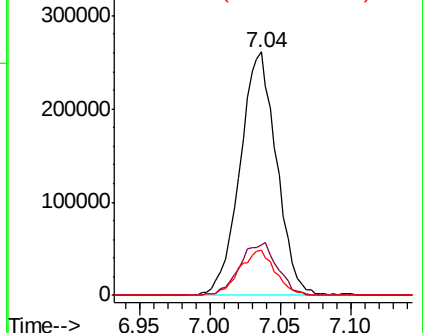
50 18.4 14.4 21.6



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.049 ppbv

RT: 6.44 min Scan# 1089

Delta R.T. -0.02 min

Lab File: VL032534.D

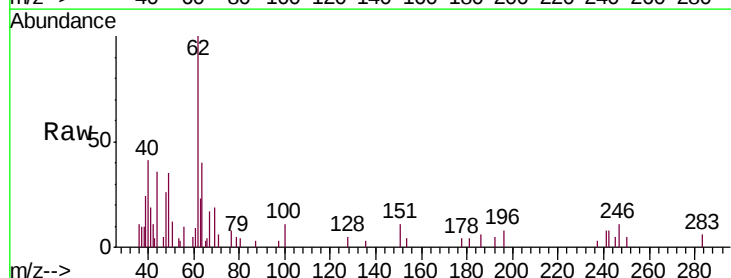
Acq: 25 Sep 2018 7:37

Tgt Ion: 62 Resp: 7304

Ion Ratio Lower Upper

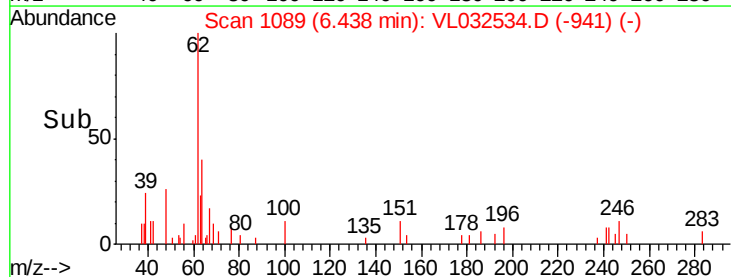
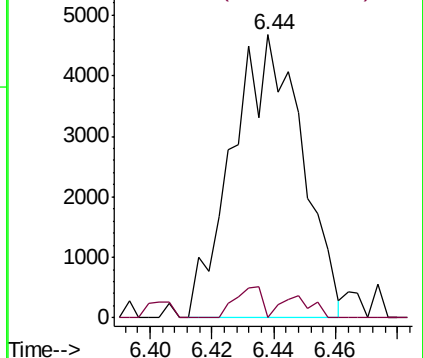
62 100

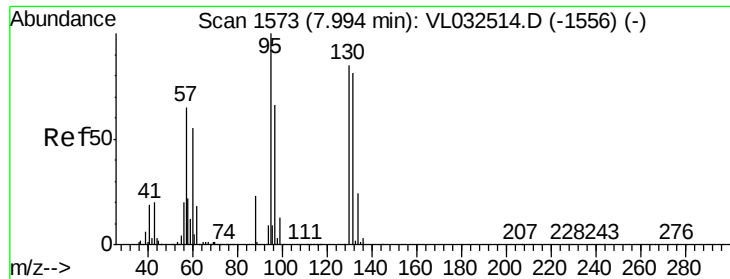
98 0.0 5.0 7.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

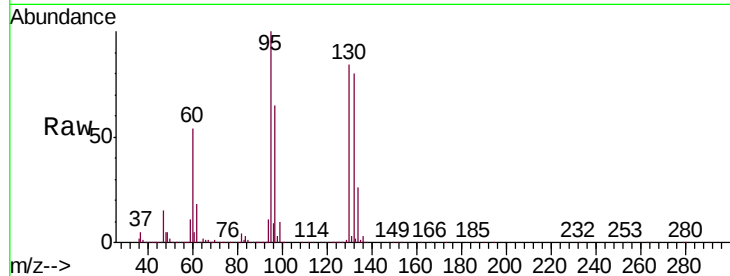




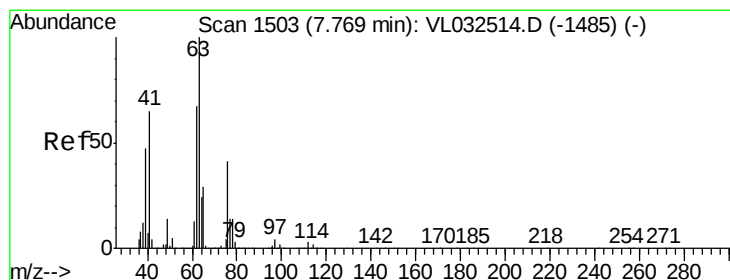
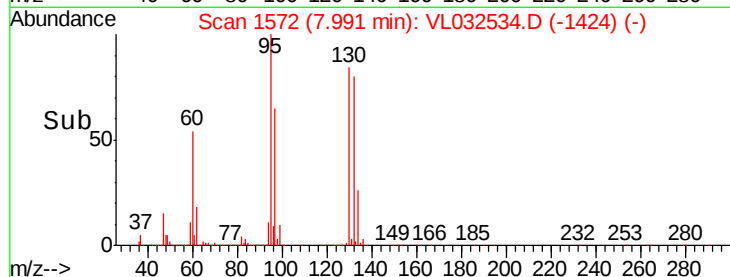
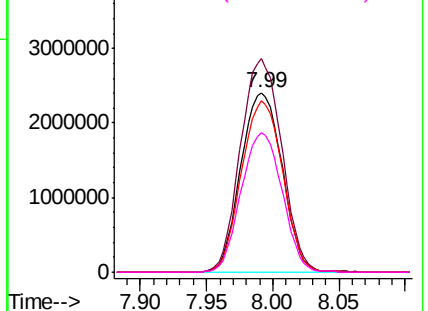
#38
 Trichloroethene
 Concen: 55.314 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032534.D
 Acq: 25 Sep 2018 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF2-092018

Tgt Ion:130 Resp: 5225615
 Ion Ratio Lower Upper
 130 100
 95 118.8 94.2 141.4
 132 95.3 76.2 114.4
 97 77.8 60.8 91.2

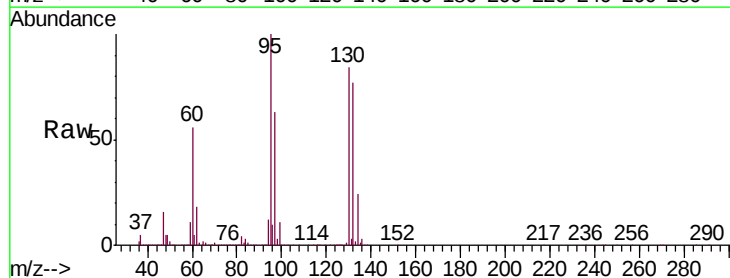


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

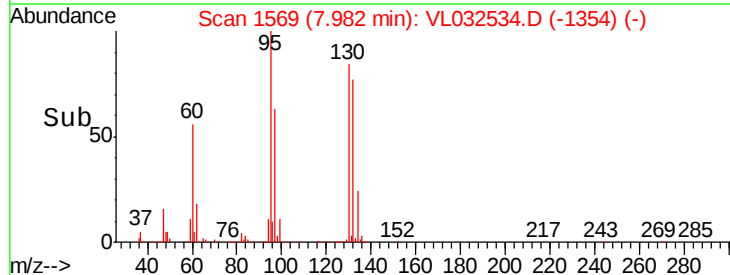
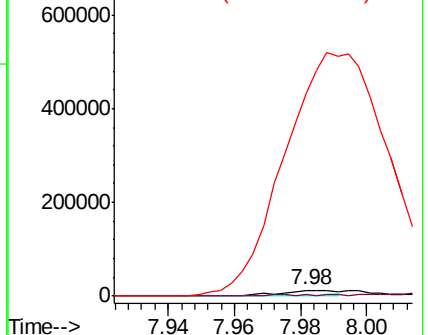


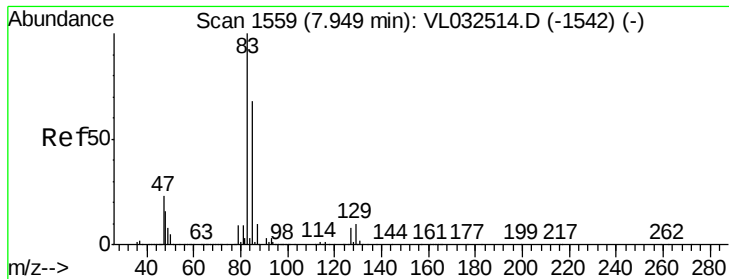
#39
 1,2-Dichloropropane
 Concen: 0.143 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.19 min
 Lab File: VL032534.D
 Acq: 25 Sep 2018 7:37

Tgt Ion: 63 Resp: 15944
 Ion Ratio Lower Upper
 63 100
 41 15.0 55.4 83.0#
 62 3515.9 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





#42

Bromodichloromethane

Concen: 0.359 ppbv

RT: 7.98 min Scan# 1570

Delta R.T. 0.01 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF2-092018

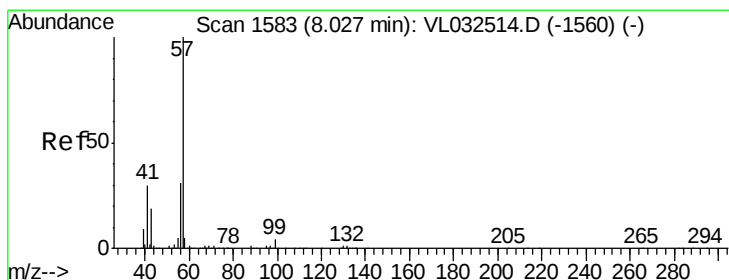
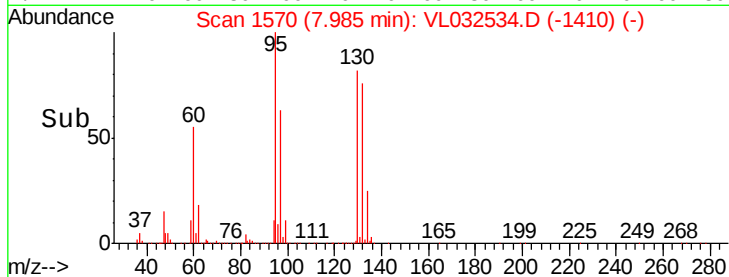
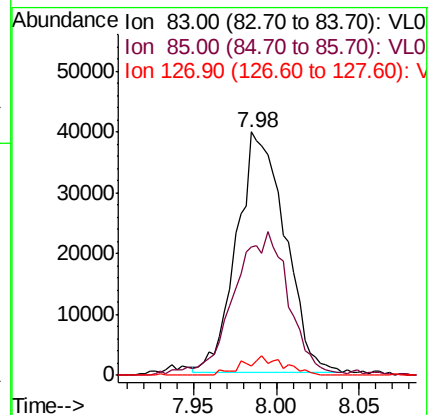
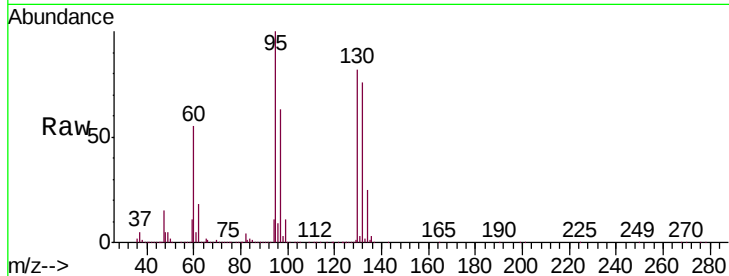
Tgt Ion: 83 Resp: 79941

Ion Ratio Lower Upper

83 100

85 52.0 51.1 76.7

127 4.1 5.8 8.8#



#44

2,2,4-Trimethylpentane

Concen: 0.038 ppbv

RT: 8.02 min Scan# 1581

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

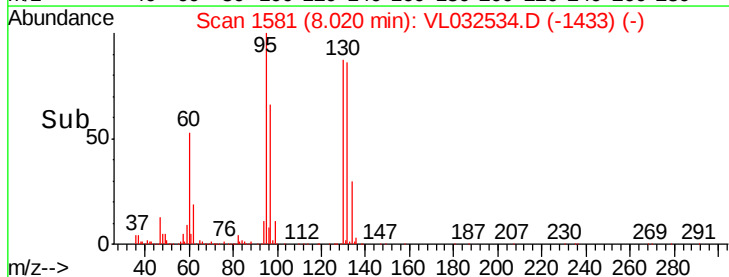
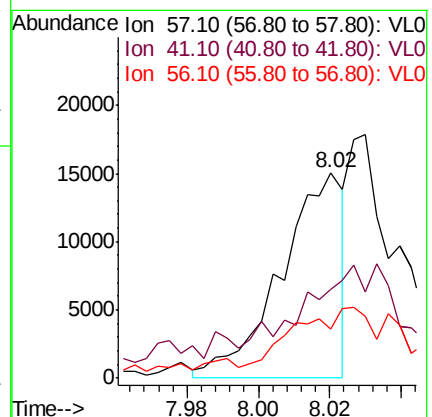
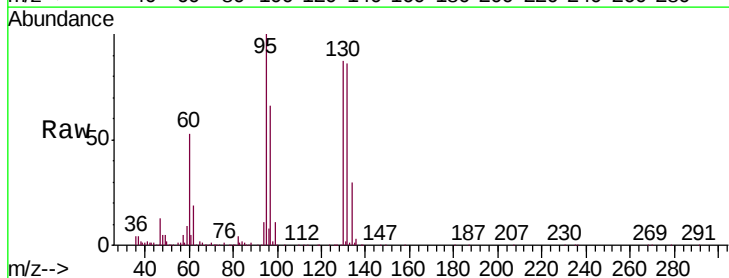
Tgt Ion: 57 Resp: 18322

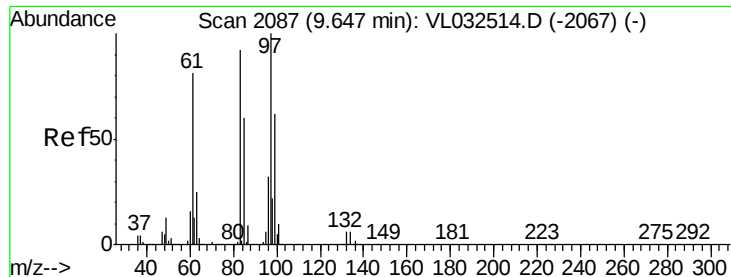
Ion Ratio Lower Upper

57 100

41 0.0 24.4 36.6#

56 0.0 25.7 38.5#

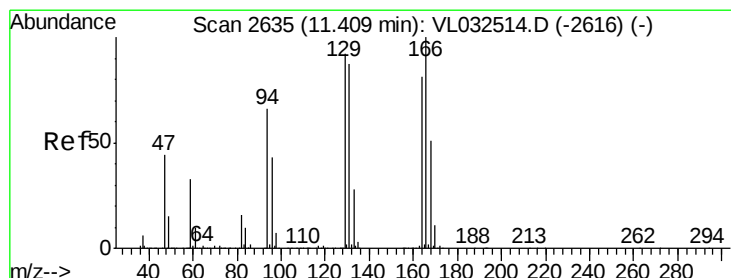
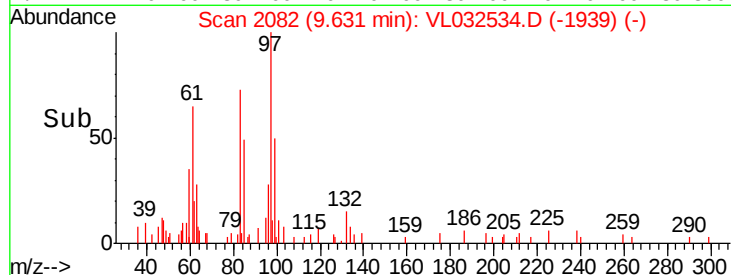
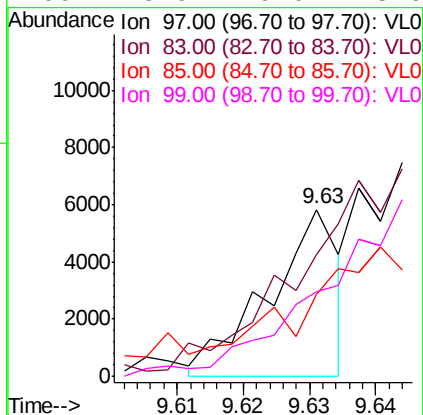
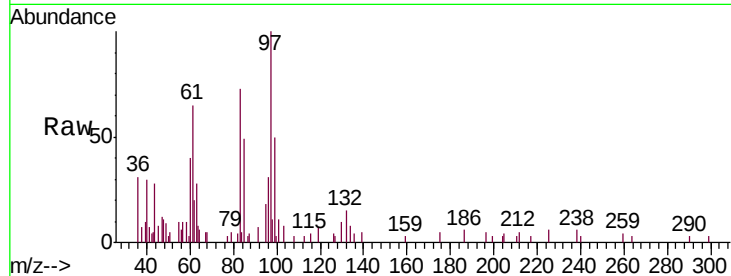




#47
 1,1,2-Trichloroethane
 Concen: 0.035 ppbv
 RT: 9.63 min Scan# 2082
 Delta R.T. -0.04 min
 Lab File: VL032534.D
 Acq: 25 Sep 2018 7:37

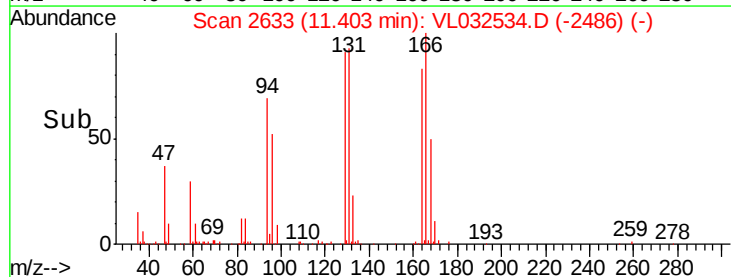
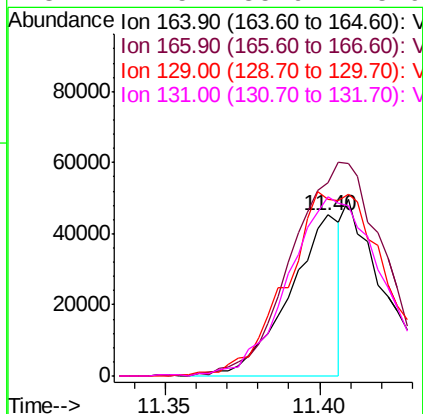
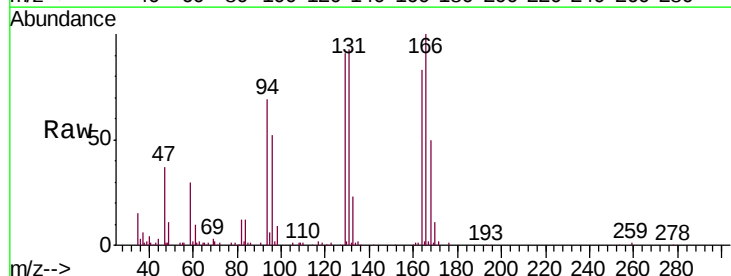
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF2-092018

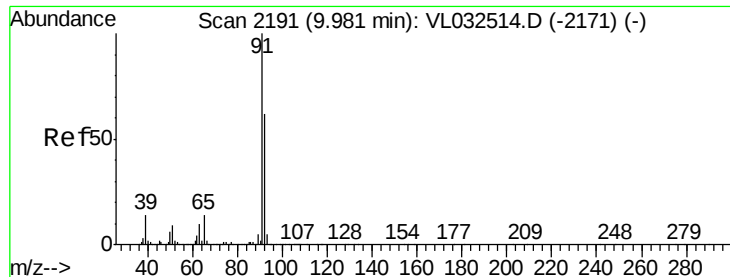
Tgt Ion:	97	Resp:	4285
Ion	Ratio	Lower	Upper
97	100		
83	56.1	75.0	112.4#
85	39.2	47.5	71.3#
99	45.9	49.0	73.6#



#52
 Tetrachloroethene
 Concen: 0.595 ppbv
 RT: 11.40 min Scan# 2633
 Delta R.T. -0.03 min
 Lab File: VL032534.D
 Acq: 25 Sep 2018 7:37

Tgt Ion:	164	Resp:	51123
Ion	Ratio	Lower	Upper
164	100		
166	120.4	100.6	150.8
129	109.5	89.9	134.9
131	111.5	85.9	128.9





#53

Toluene

Concen: 0.521 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. -0.03 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

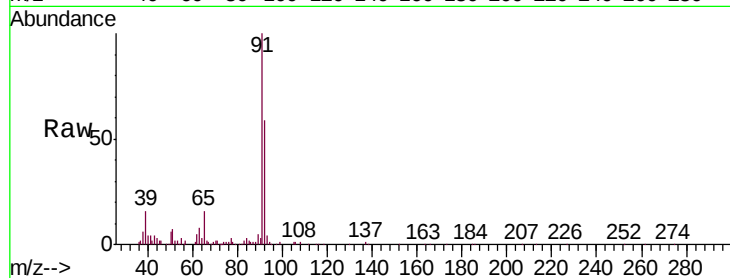
SVE-INF2-092018

Tgt Ion: 91 Resp: 156564

Ion Ratio Lower Upper

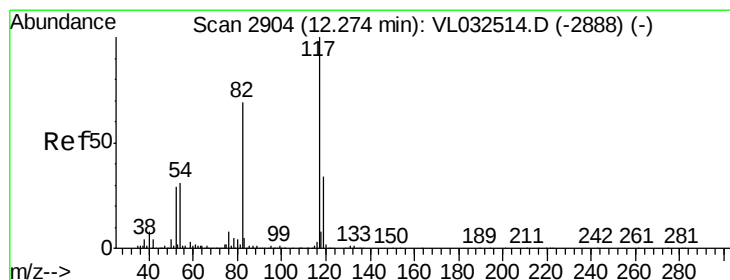
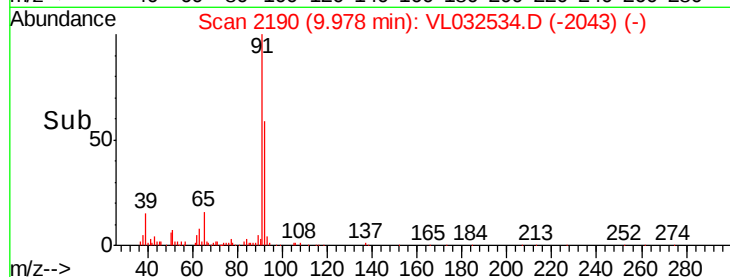
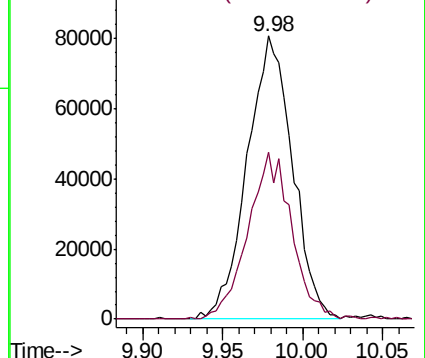
91 100

92 57.3 48.1 72.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

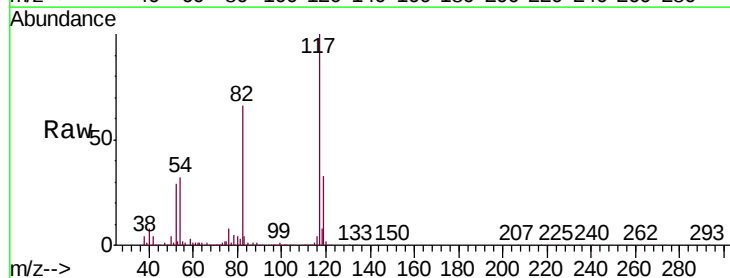
Tgt Ion: 117 Resp: 3061030

Ion Ratio Lower Upper

117 100

82 67.1 53.0 79.6

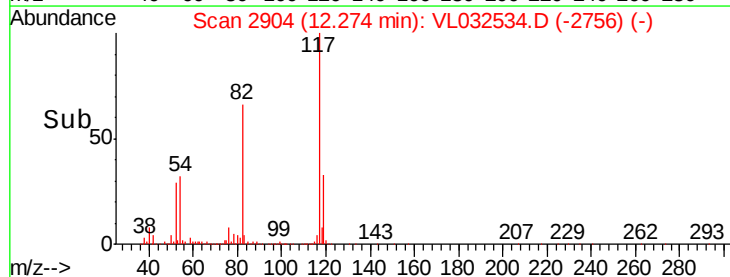
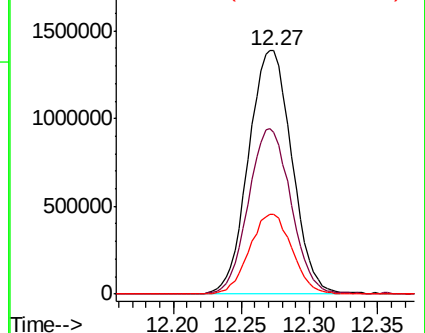
119 32.5 45.9 68.9#

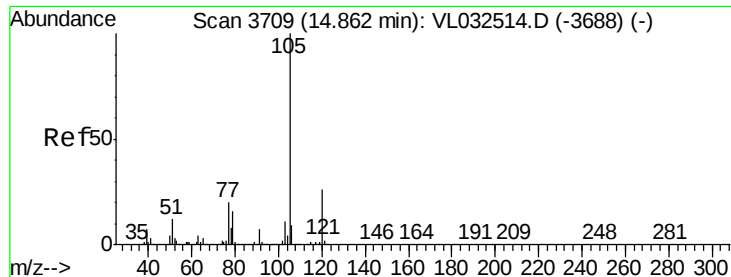


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#62

Isopropylbenzene

Concen: 0.188 ppbv

RT: 14.87 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

Instrument :

MSVOA_L

ClientSampleId :

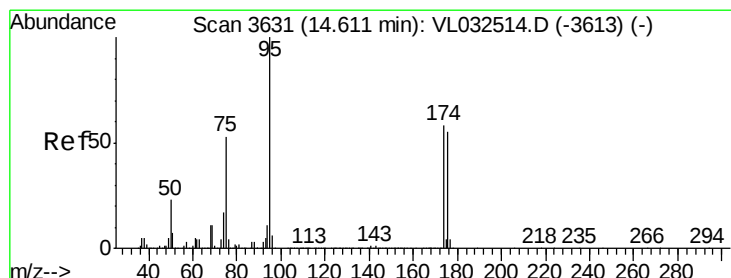
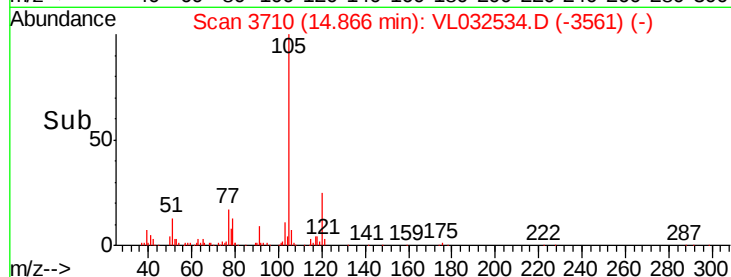
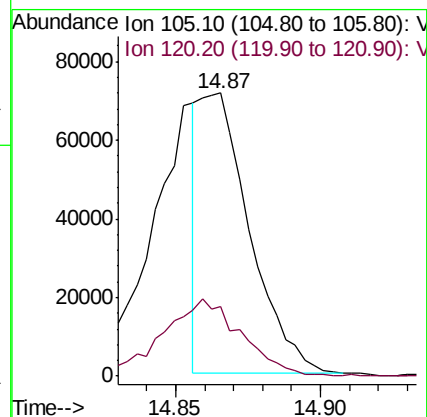
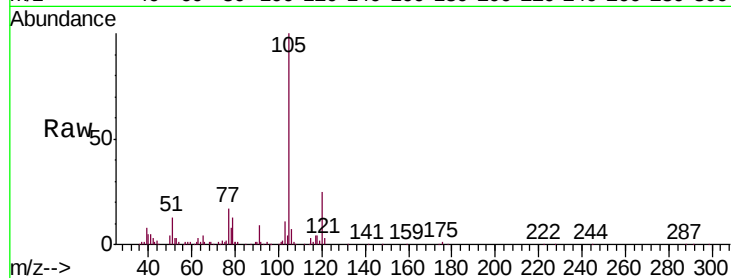
SVE-INF2-092018

Tgt Ion:105 Resp: 85704

Ion Ratio Lower Upper

105 100

120 43.9 20.6 31.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.858 ppbv

RT: 14.61 min Scan# 3629

Delta R.T. -0.03 min

Lab File: VL032534.D

Acq: 25 Sep 2018 7:37

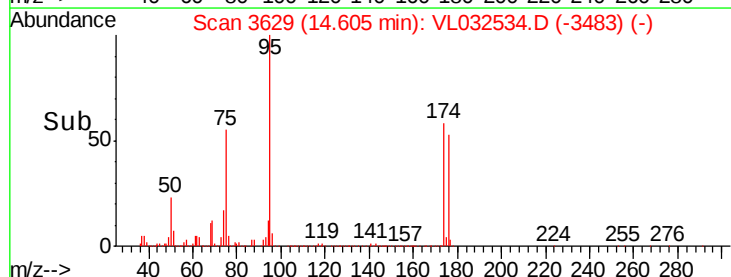
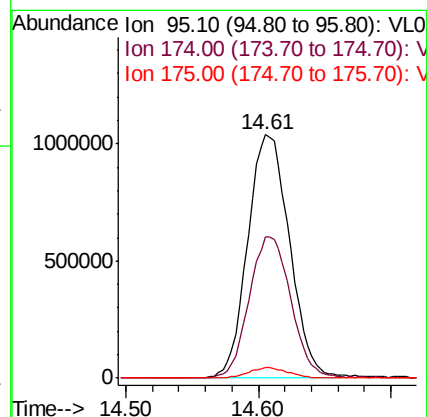
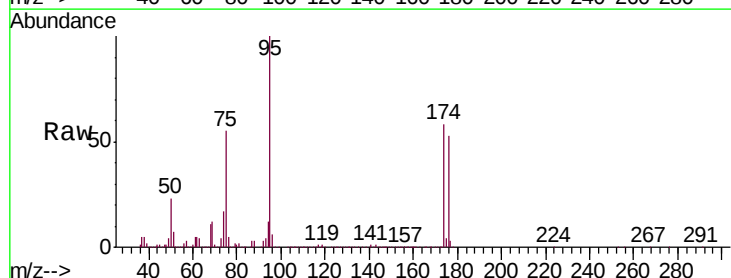
Tgt Ion: 95 Resp: 2275683

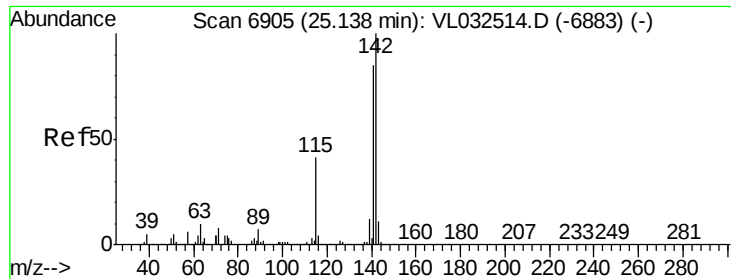
Ion Ratio Lower Upper

95 100

174 58.9 46.3 69.5

175 4.0 3.4 5.0

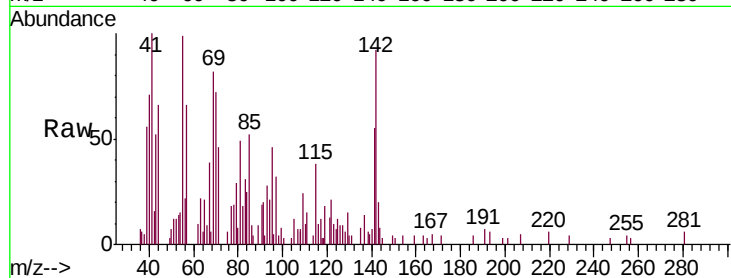




#80
 Naphthalene, 2-methyl-
 Concen: 0.142 ppbv
 RT: 25.14 min Scan# 6905
 Delta R.T. -0.01 min
 Lab File: VL032534.D
 Acq: 25 Sep 2018 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF2-092018

Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.2	67.0	100.6#
115	66.6	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

