

Data File : VL032551.D
Acq On : 27 Sep 2018 15:48
Operator : SY/AP
Sample : VL0927ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Quant Time: Sep 28 02:07:40 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	1421126	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3345661	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	4224848	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2602329	8.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	1794188	13.650	ppbv	99
3) Chlorodifluoromethane	3.03	51	1106413	9.362	ppbv	97
4) Chloromethane	3.19	50	637516	9.251	ppbv	100
5) Vinyl Chloride	3.31	62	624927	8.975	ppbv	100
6) Bromomethane	3.53	94	362090	9.509	ppbv	99
7) Chloroethane	3.62	64	240054	9.676	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1409262	9.813	ppbv	99
9) Propene	3.05	41	490596	9.568	ppbv	100
10) Heptane	8.28	43	1942779	10.330	ppbv	98
11) Trichlorofluoromethane	4.02	101	1575718	10.084	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1276348	9.993	ppbv	99
13) Ethanol	3.67	45	115219	7.476	ppbv	100
14) Bromoethene	3.81	108	478032	10.547	ppbv	99
15) Acetone	3.92	43	1187383	9.519	ppbv	100
16) 1,3-Butadiene	3.38	39	477648	9.442	ppbv	96
17) tert-Butyl alcohol	4.38	59	153972	9.823	ppbv #	100
18) 1,1-Dichloroethene	4.38	96	607747	10.160	ppbv	92
19) Isopropyl Alcohol	4.04	45	788974	9.080	ppbv	99
20) Methylene Chloride	4.43	84	541945	8.972	ppbv	95
21) Allyl Chloride	4.50	41	1054905	10.347	ppbv	99
22) trans-1,2-Dichloroethene	4.99	96	586324	10.400	ppbv	99
23) Vinyl Acetate	5.18	43	2202665	9.993	ppbv	98
24) 1,1-Dichloroethane	5.12	63	1772198	9.655	ppbv	99
25) Ethyl Acetate	5.80	43	2840589	9.385	ppbv	100
26) Hexane	5.81	57	1315053	9.618	ppbv	99
27) Carbon Disulfide	4.64	76	1589425	10.814	ppbv	99
28) Methyl tert-Butyl Ether	5.14	73	1832753	10.761	ppbv	98
29) Chloroform	5.88	83	2035680	9.704	ppbv	98
30) Cyclohexane	7.28	84	1214969	10.914	ppbv	97
31) cis-1,2-Dichloroethene	5.67	61	1334501	10.248	ppbv	98
32) 1,1,1-Trichloroethane	6.65	97	2054952	9.192	ppbv	98
34) 2-Butanone	5.35	43	1925802	9.666	ppbv	99
35) Carbon Tetrachloride	7.16	117	2185676	9.401	ppbv	98
36) Benzene	7.04	78	2817699	10.421	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1633242	10.023	ppbv	98
38) Trichloroethene	7.99	130	1057907	10.222	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1175916	9.651	ppbv	98
40) 1,4-Dioxane	7.99	88	366659	9.814	ppbv	94
41) Tetrahydrofuran	6.18	42	1191979	11.012	ppbv	97
42) Bromodichloromethane	7.95	83	2418971	9.909	ppbv	99
43) Methyl Methacrylate	8.17	69	1222390	10.823	ppbv	99

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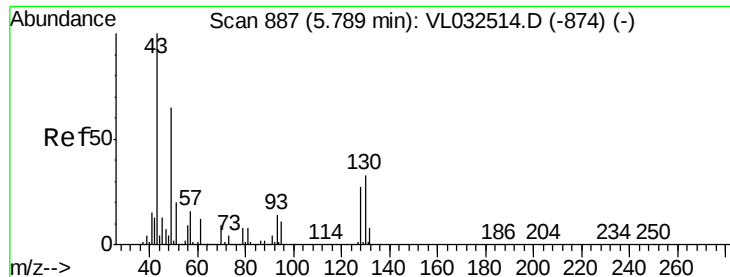
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5168839	9.782	ppbv	99
45) t-1,3-Dichloropropene	9.45	75	1609958	11.459	ppbv	100
46) cis-1,3-Dichloropropene	8.87	75	1757931	10.667	ppbv	98
47) 1,1,2-Trichloroethane	9.65	97	1300621	9.611	ppbv	99
48) Dibromochloromethane	10.49	129	2166020	10.179	ppbv	100
49) Bromoform	13.24	173	1681495	10.341	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3001197	9.583	ppbv	99
51) 2-Hexanone	10.31	43	2720021	10.502	ppbv	100
52) Tetrachloroethene	11.41	164	915440	9.724	ppbv	99
53) Toluene	9.98	91	3622531	10.994	ppbv	100
54) 1,2-Dibromoethane	10.80	107	1936736	10.062	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.32	131	1453154	7.652	ppbv #	62
57) Chlorobenzene	12.34	112	2531810	7.439	ppbv	98
58) Ethyl Benzene	12.90	91	4515567	8.811	ppbv	99
59) m/p-Xylene	13.19	91	2953365	6.477	ppbv #	1
60) o-Xylene	13.88	91	3681314	8.292	ppbv	100
61) Styrene	13.72	104	2675937	9.215	ppbv	99
62) Isopropylbenzene	14.86	105	5171486	8.237	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2796930	7.092	ppbv	99
64) n-propylbenzene	15.76	120	1334058	8.271	ppbv	98
65) tert-Butylbenzene	16.95	119	4326752	8.041	ppbv	99
66) Benzyl Chloride	17.19	91	2558108	8.248	ppbv	100
67) sec-Butylbenzene	17.50	105	6421157	8.026	ppbv	99
69) p-Isopropyltoluene	17.85	119	5075297	8.213	ppbv	100
70) n-Butylbenzene	18.75	91	5529092	8.192	ppbv	99
71) 2-Chlorotoluene	15.66	91	4024828	8.417	ppbv	99
72) 4-Ethyltoluene	16.04	105	4191370	8.699	ppbv	100
73) 1,3,5-Trimethylbenzene	16.19	105	4030705	8.608	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	4044177	8.021	ppbv	99
75) 1,3-Dichlorobenzene	17.20	146	2235666	7.186	ppbv	99
76) 1,4-Dichlorobenzene	17.35	146	2226692	7.816	ppbv	100
77) 1,2-Dichlorobenzene	18.03	146	2205107	7.536	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	726487	6.616	ppbv	100
79) Naphthalene	22.46	128	3500428	9.626	ppbv	100
80) Naphthalene,2-methyl-	25.14	142	1044150	12.230	ppbv	99
81) 1,2,4-Trichlorobenzene	22.18	180	1643358	8.817	ppbv	99

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 888

Delta R.T. -0.02 min

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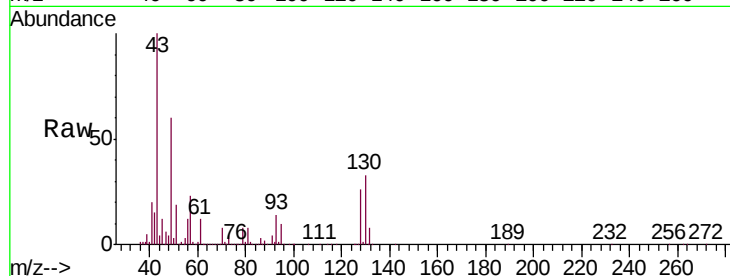
Tgt Ion: 49 Resp: 1421126

Ion Ratio Lower Upper

49 100

128 42.6 20.7 62.1

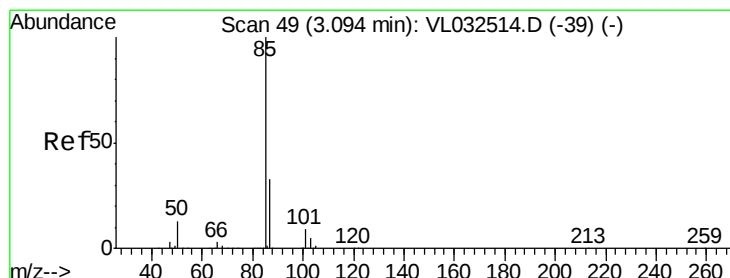
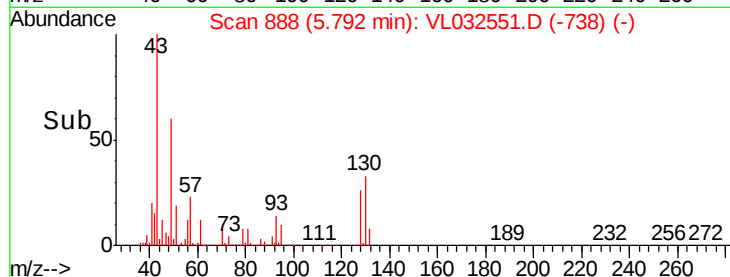
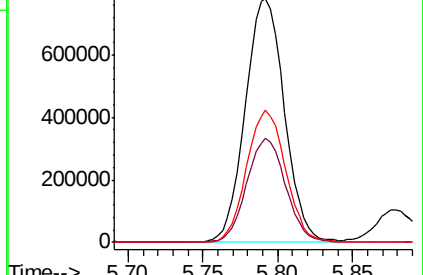
130 54.3 26.6 79.7



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: 13.650 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032551.D

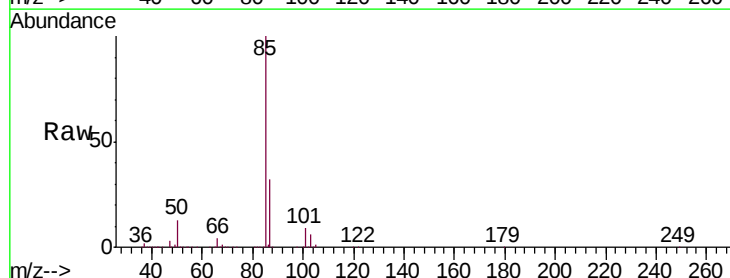
Acq: 27 Sep 2018 15:48

Tgt Ion: 85 Resp: 1794188

Ion Ratio Lower Upper

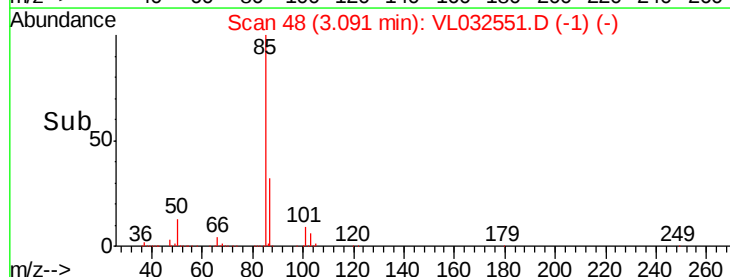
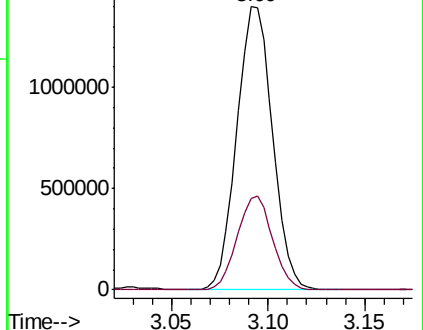
85 100

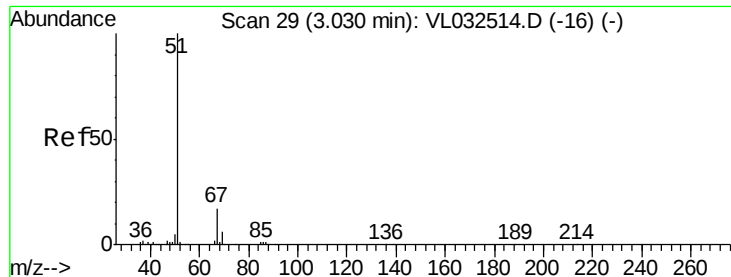
87 32.3 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

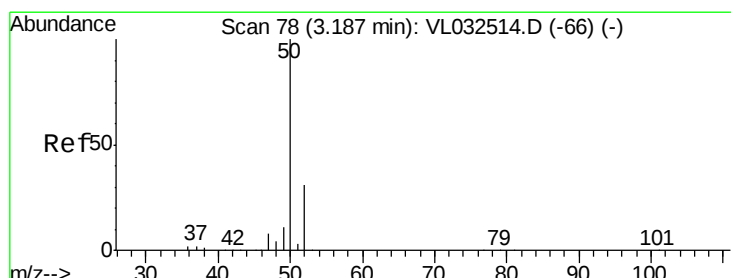
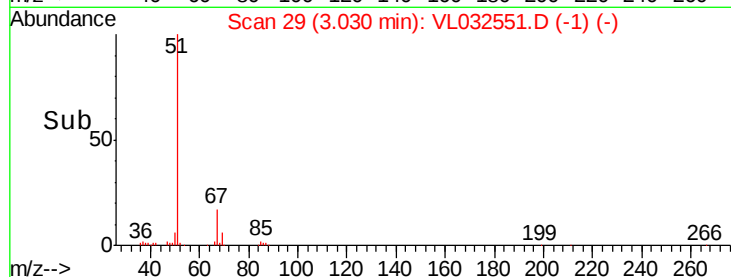
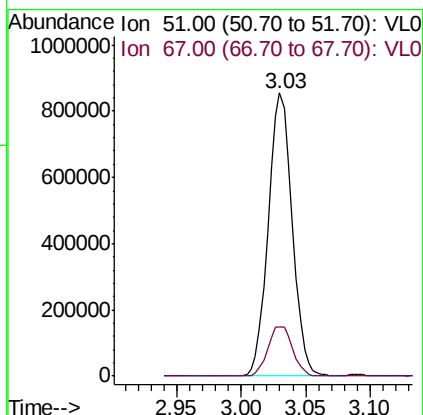
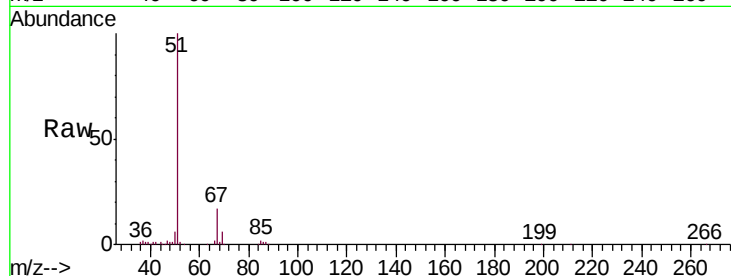




#3
Chlorodifluoromethane
Concen: 9.362 ppbv
RT: 3.03 min Scan# 29
Delta R.T. -0.01 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

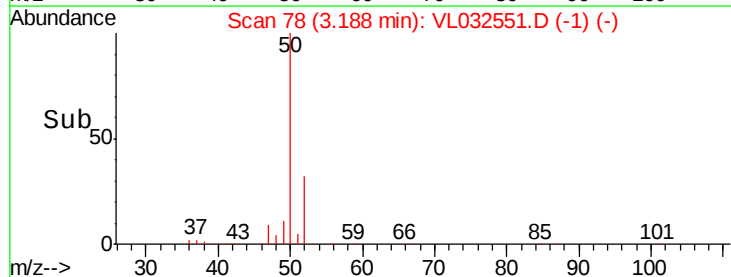
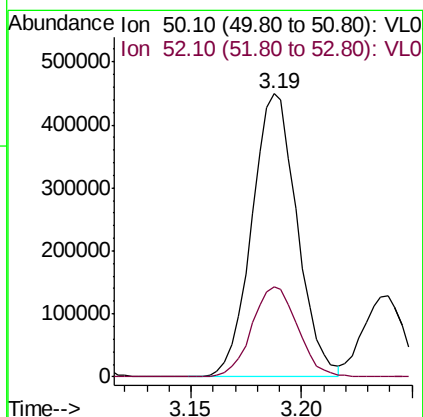
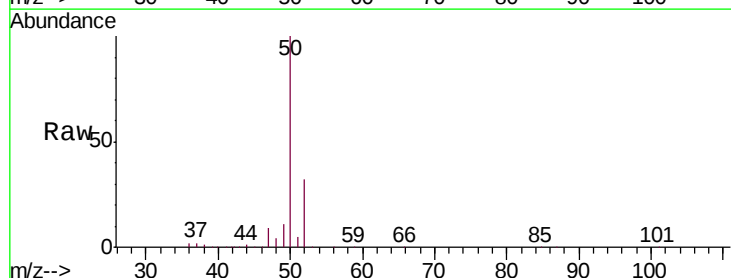
Instrument :
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ClientSampleId :
VL0927ABS01

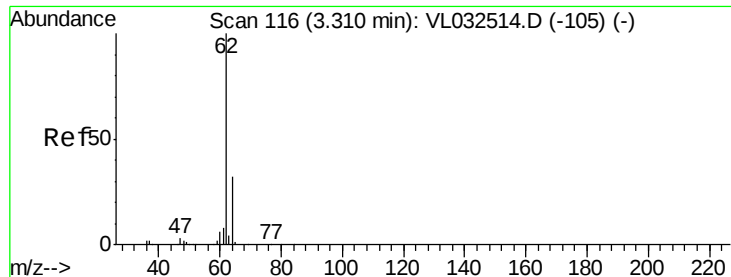
Tgt Ion: 51 Resp: 1106413
Ion Ratio Lower Upper
51 100
67 18.4 13.8 20.8



#4
Chloromethane
Concen: 9.251 ppbv
RT: 3.19 min Scan# 78
Delta R.T. -0.01 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 50 Resp: 637516
Ion Ratio Lower Upper
50 100
52 31.7 25.6 38.4





#5

Vinyl Chloride

Concen: 8.975 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

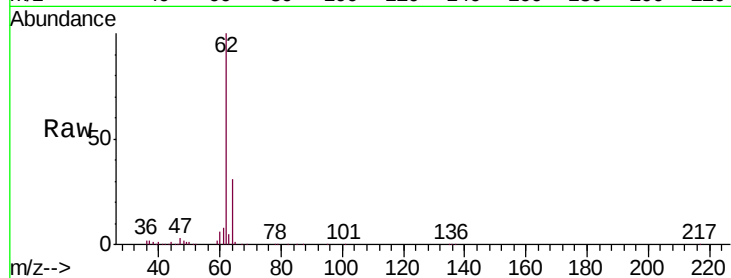
VL0927ABS01

Tgt Ion: 62 Resp: 624927

Ion Ratio Lower Upper

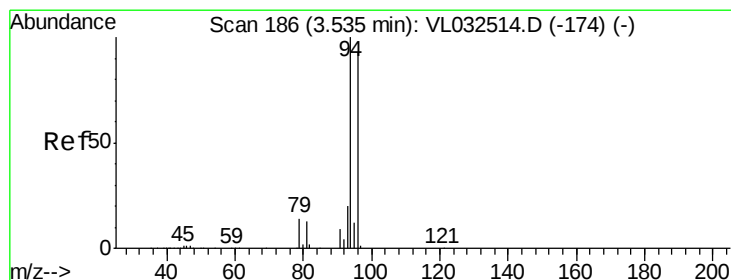
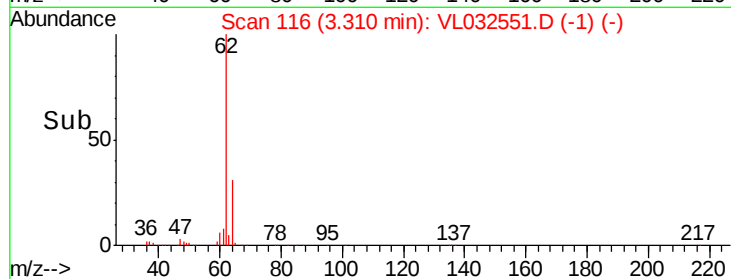
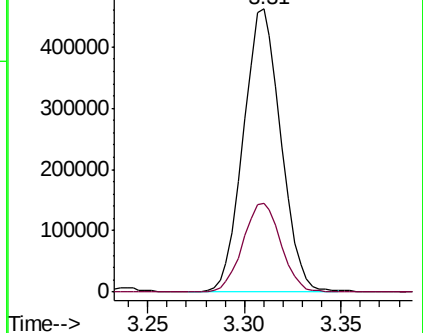
62 100

64 31.2 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.509 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032551.D

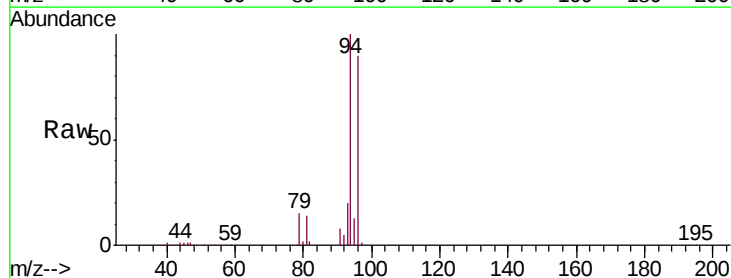
Acq: 27 Sep 2018 15:48

Tgt Ion: 94 Resp: 362090

Ion Ratio Lower Upper

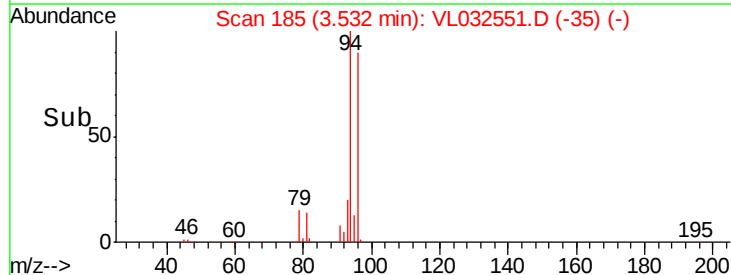
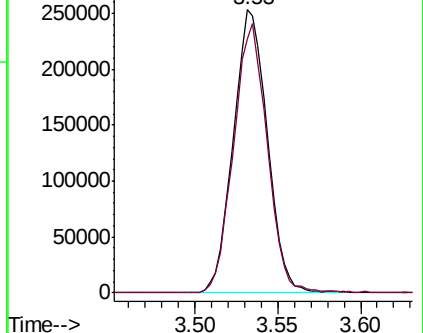
94 100

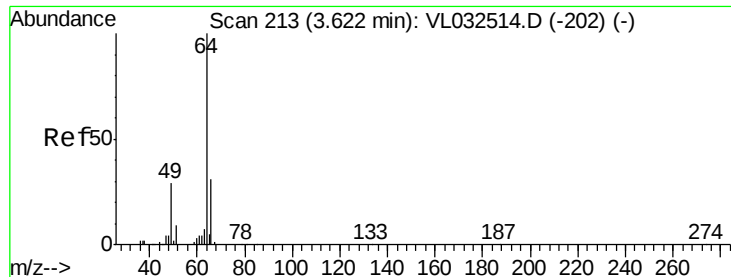
96 89.8 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.676 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

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Instrument :

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ClientSampleId :

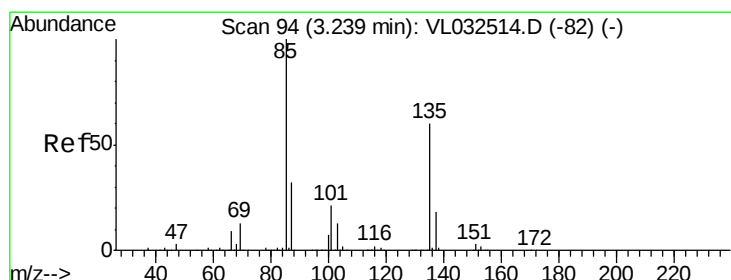
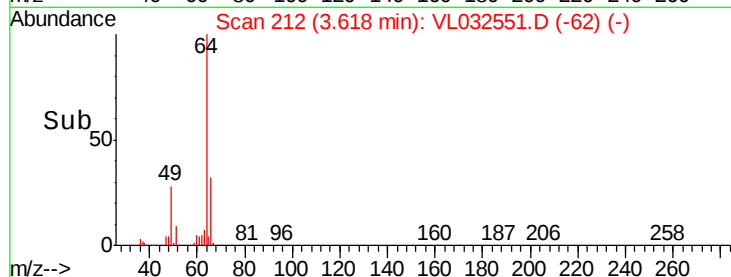
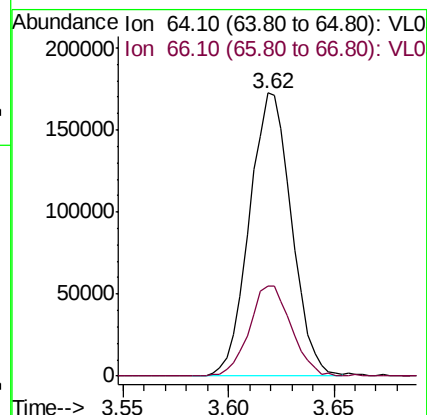
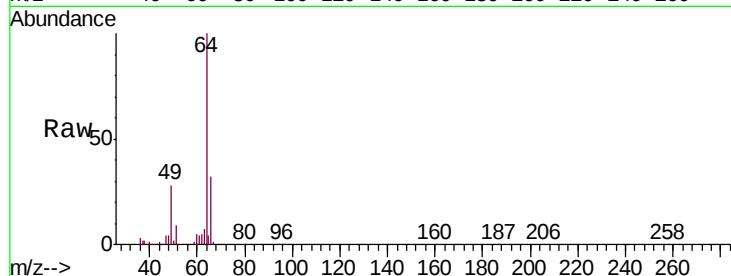
VL0927ABS01

Tgt Ion: 64 Resp: 240054

Ion Ratio Lower Upper

64 100

66 31.9 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 9.813 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032551.D

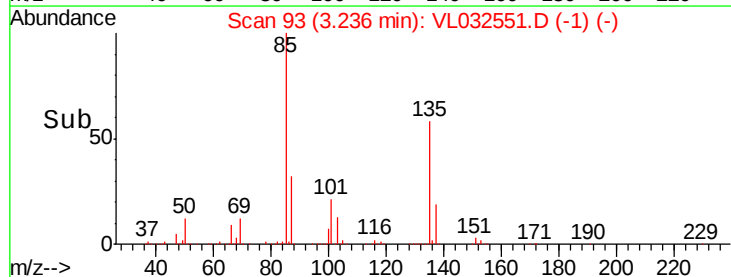
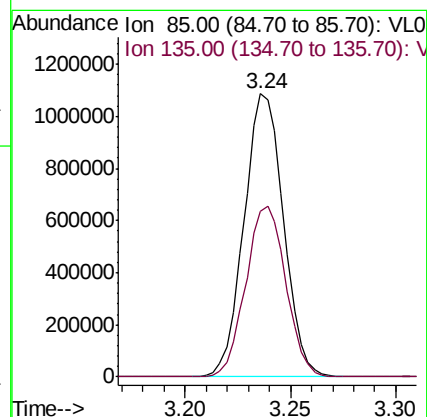
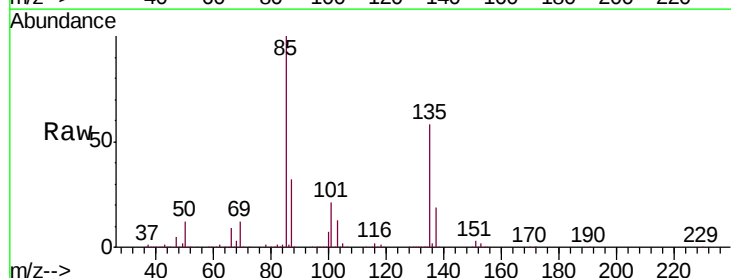
Acq: 27 Sep 2018 15:48

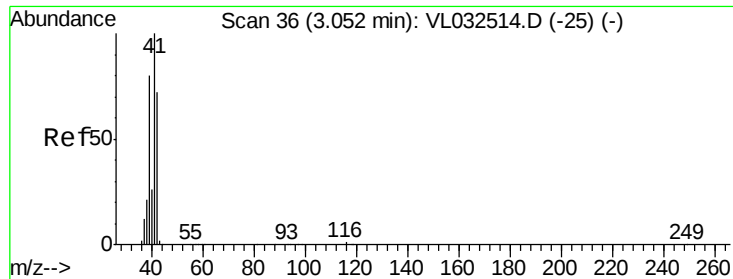
Tgt Ion: 85 Resp: 1409262

Ion Ratio Lower Upper

85 100

135 61.7 48.6 72.8





#9

Propene

Concen: 9.568 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

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ClientSampleId :

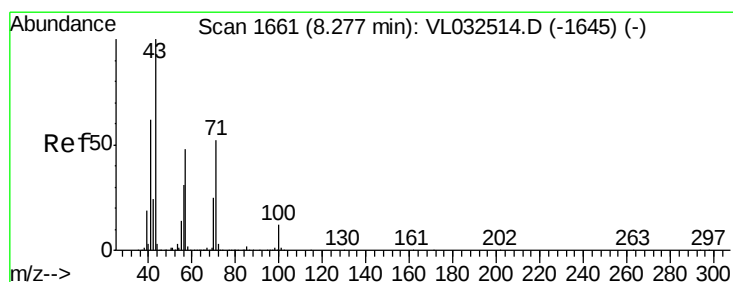
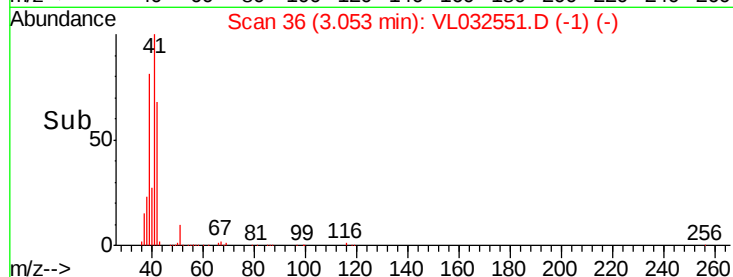
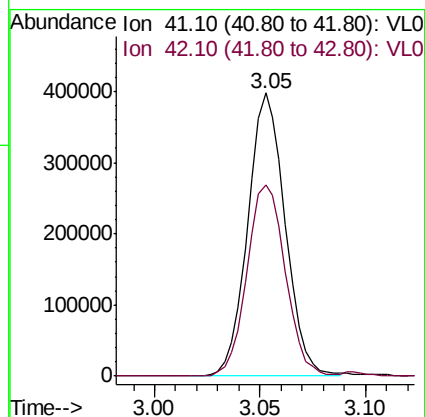
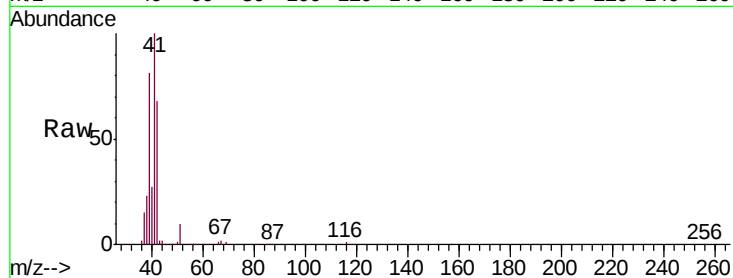
VL0927ABS01

Tgt Ion: 41 Resp: 490596

Ion Ratio Lower Upper

41 100

42 71.0 56.6 84.8



#10

Heptane

Concen: 10.330 ppbv

RT: 8.28 min Scan# 1662

Delta R.T. -0.02 min

Lab File: VL032551.D

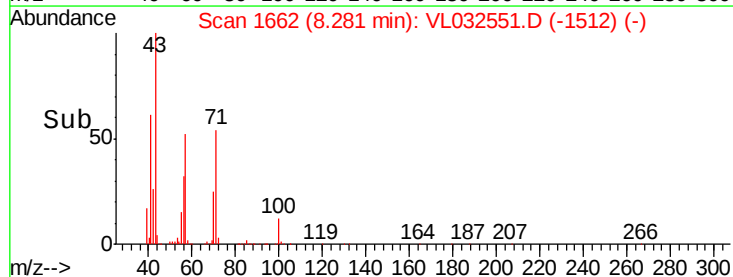
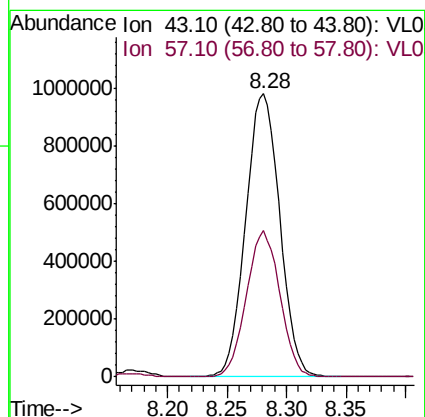
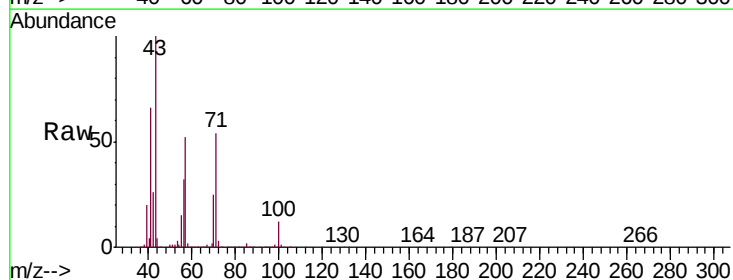
Acq: 27 Sep 2018 15:48

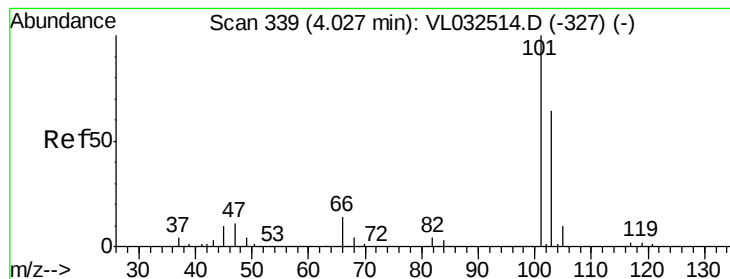
Tgt Ion: 43 Resp: 1942779

Ion Ratio Lower Upper

43 100

57 50.9 39.6 59.4





#11

Trichlorofluoromethane

Concen: 10.084 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

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ClientSampleId :

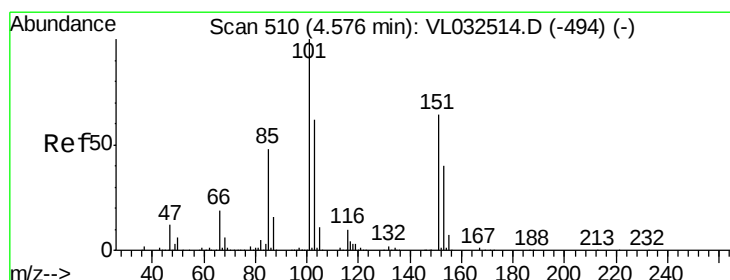
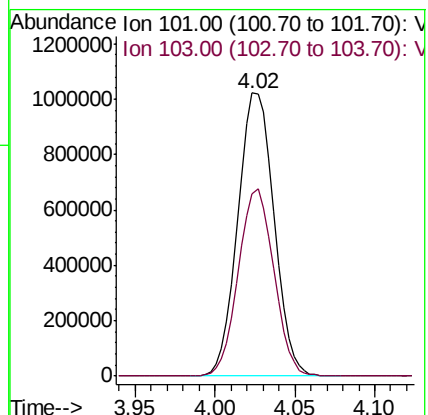
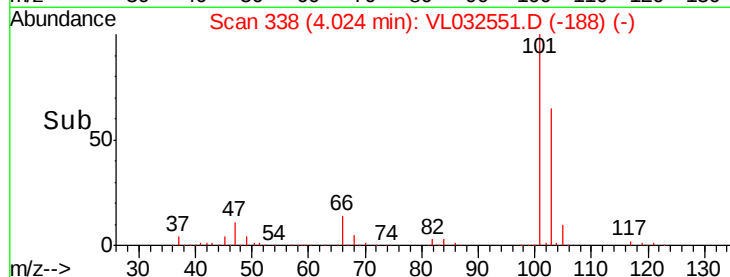
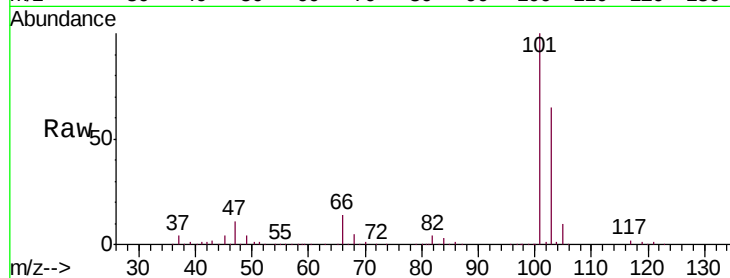
VL0927ABS01

Tgt Ion:101 Resp: 1575718

Ion Ratio Lower Upper

101 100

103 64.5 52.8 79.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.993 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032551.D

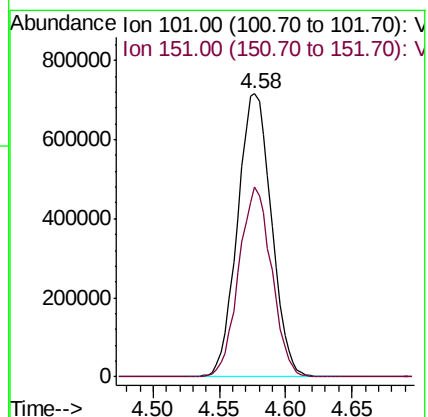
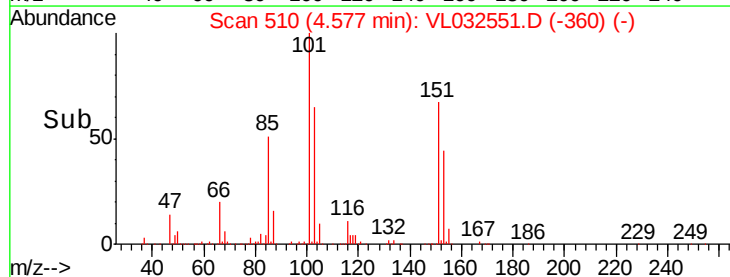
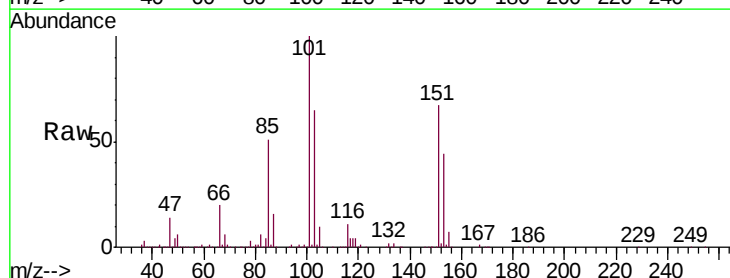
Acq: 27 Sep 2018 15:48

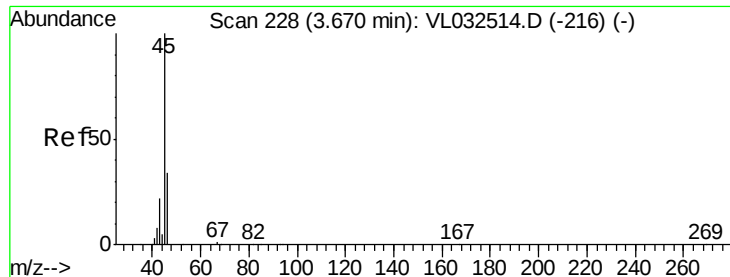
Tgt Ion:101 Resp: 1276348

Ion Ratio Lower Upper

101 100

151 65.0 52.6 78.8





#13

Ethanol

Concen: 7.476 ppbv

RT: 3.67 min Scan# 227

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

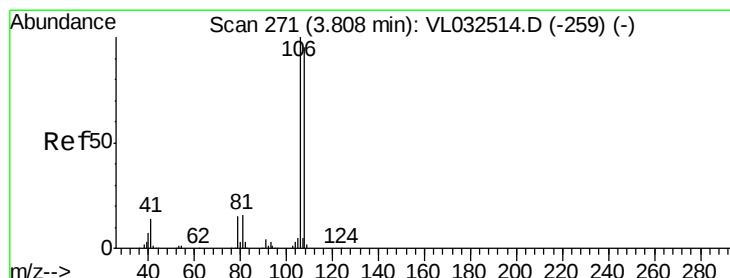
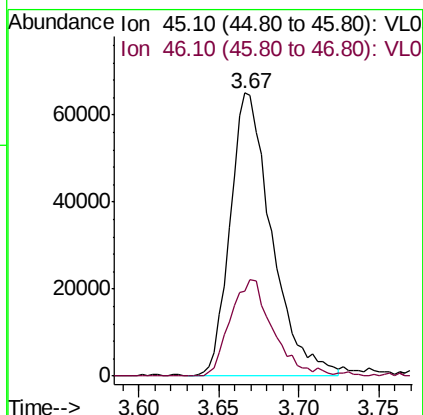
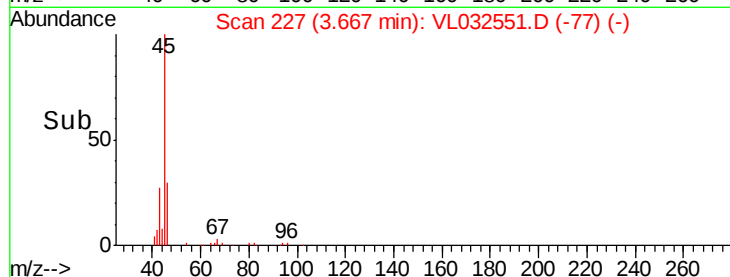
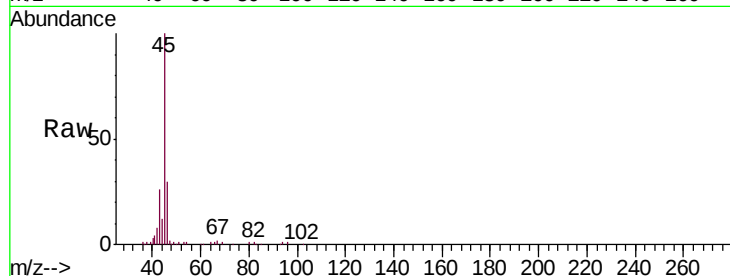
VL0927ABS01

Tgt Ion: 45 Resp: 115219

Ion Ratio Lower Upper

45 100

46 35.5 14.2 56.8



#14

Bromoethene

Concen: 10.547 ppbv

RT: 3.81 min Scan# 271

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

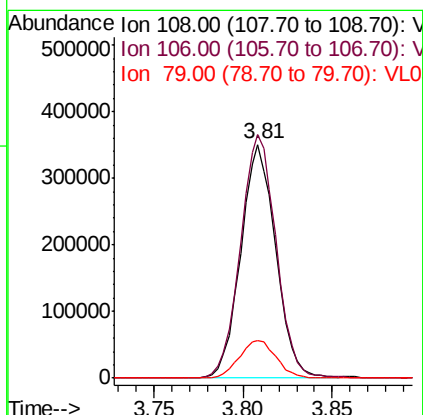
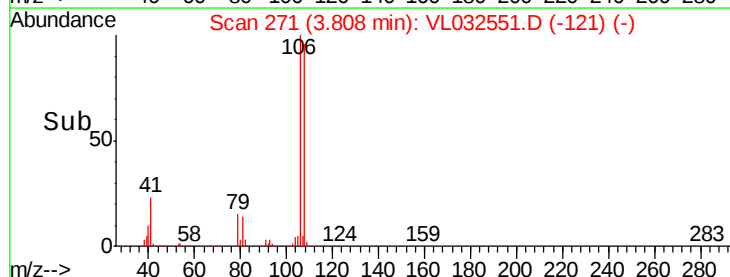
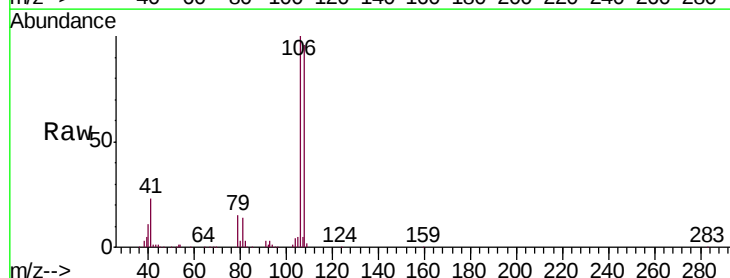
Tgt Ion: 108 Resp: 478032

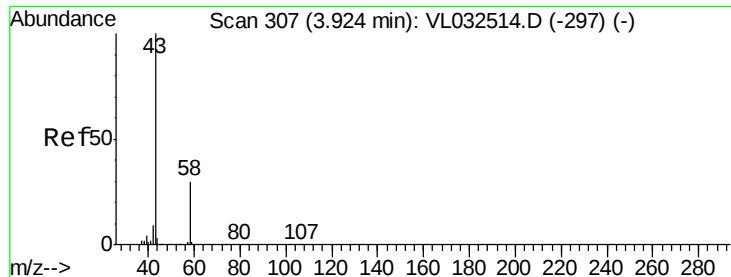
Ion Ratio Lower Upper

108 100

106 106.6 85.5 128.3

79 17.2 13.0 19.6





#15

Acetone

Concen: 9.519 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

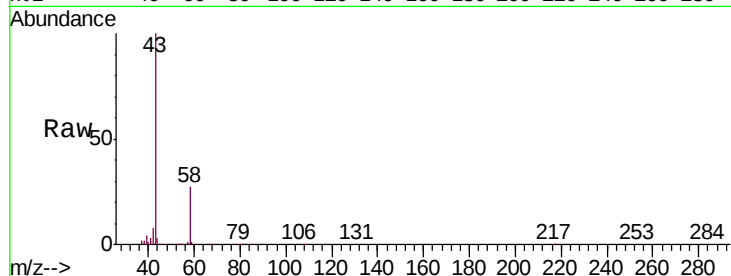
VL0927ABS01

Tgt Ion: 43 Resp: 1187383

Ion Ratio Lower Upper

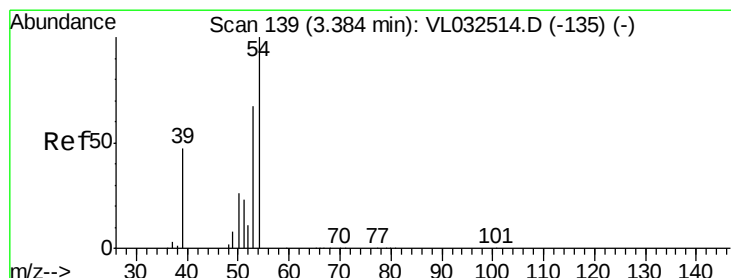
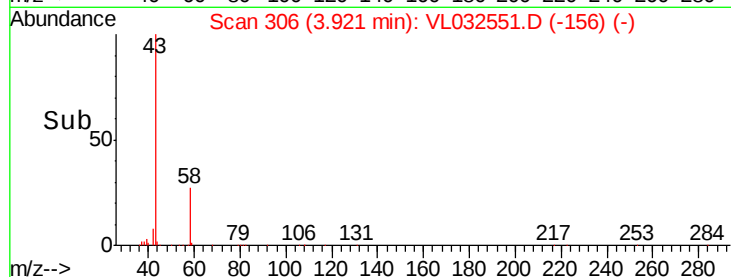
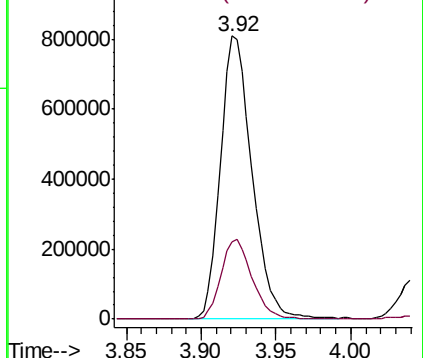
43 100

58 28.0 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: 9.442 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032551.D

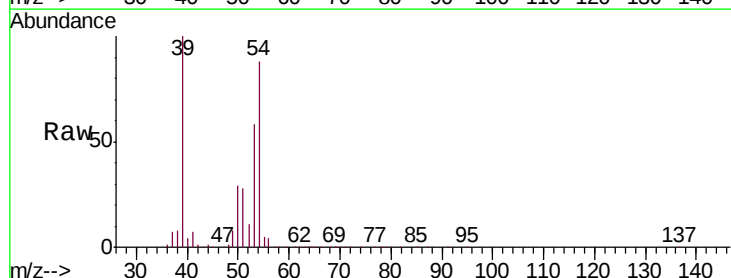
Acq: 27 Sep 2018 15:48

Tgt Ion: 39 Resp: 477648

Ion Ratio Lower Upper

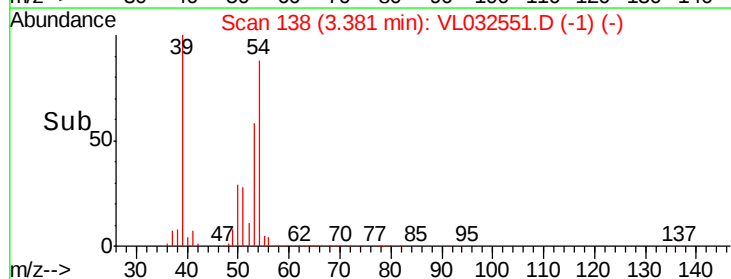
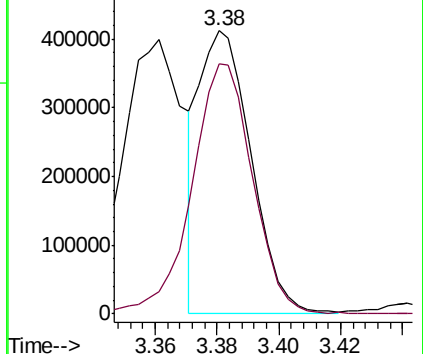
39 100

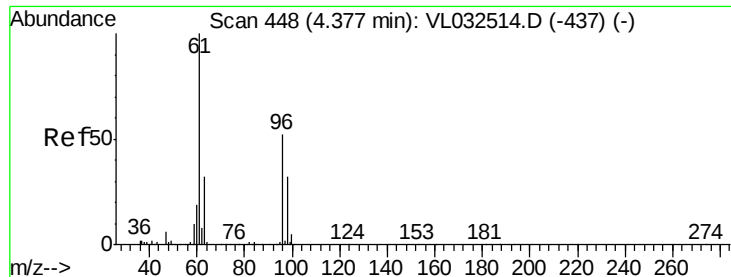
54 104.9 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 9.823 ppbv

RT: 4.38 min Scan# 449

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

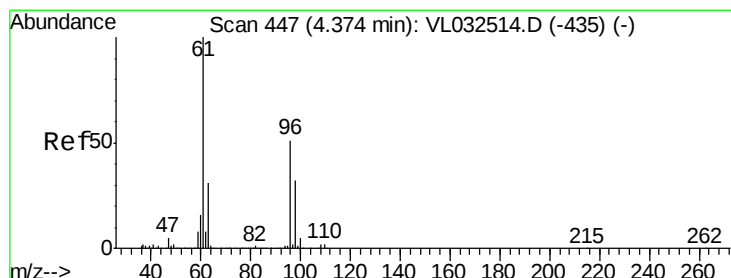
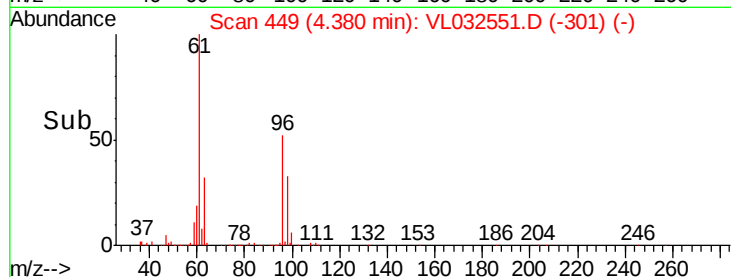
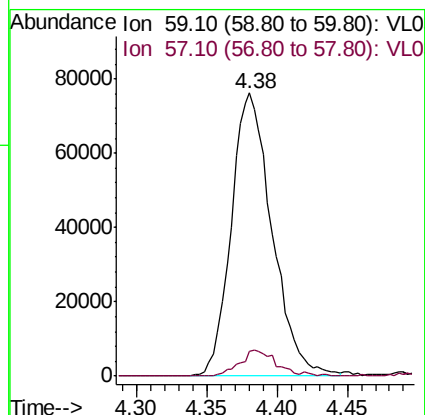
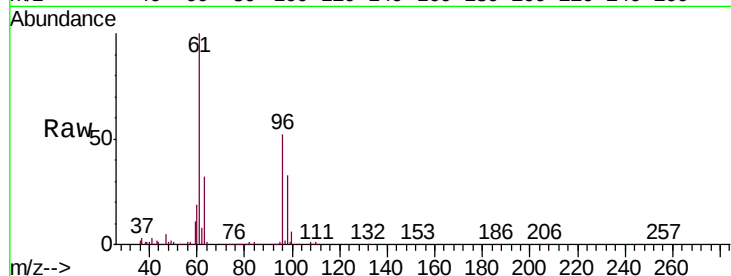
VL0927ABS01

Tgt Ion: 59 Resp: 153972

Ion Ratio Lower Upper

59 100

57 8.3 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 10.160 ppbv

RT: 4.38 min Scan# 448

Delta R.T. -0.01 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

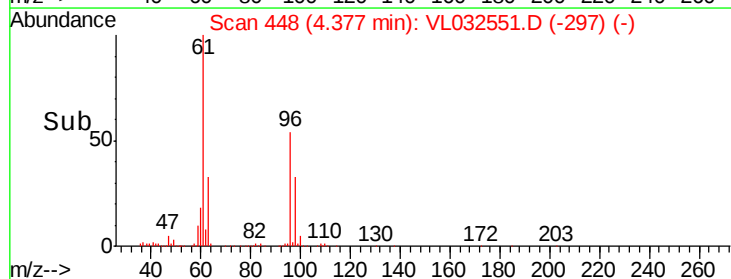
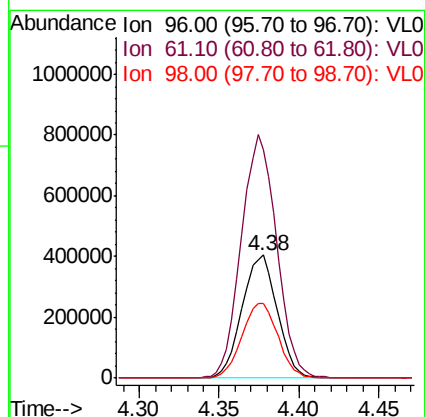
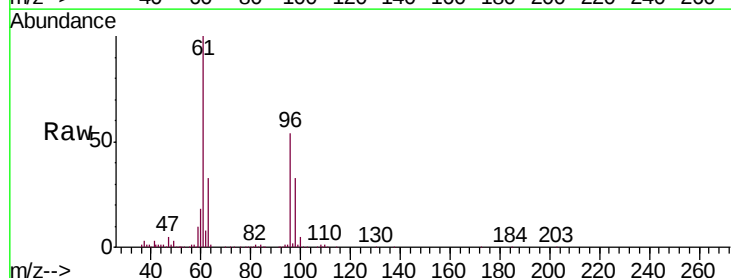
Tgt Ion: 96 Resp: 607747

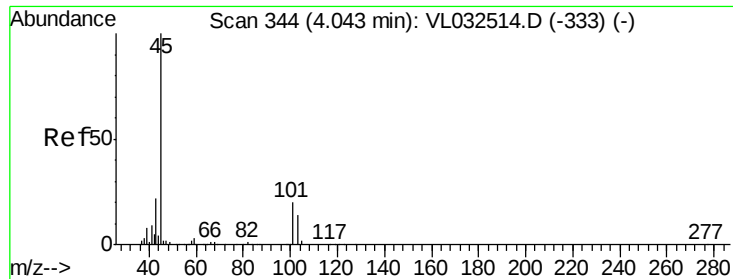
Ion Ratio Lower Upper

96 100

61 185.0 159.2 238.8

98 60.6 51.0 76.4





#19

Isopropyl Alcohol

Concen: 9.080 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

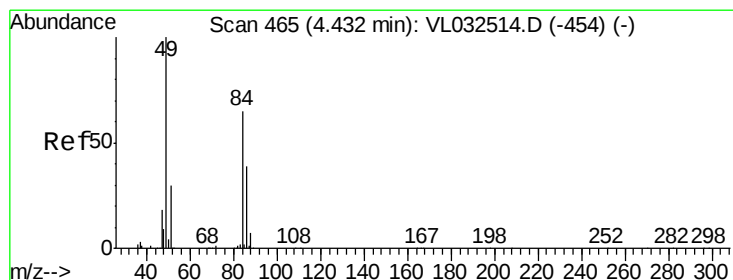
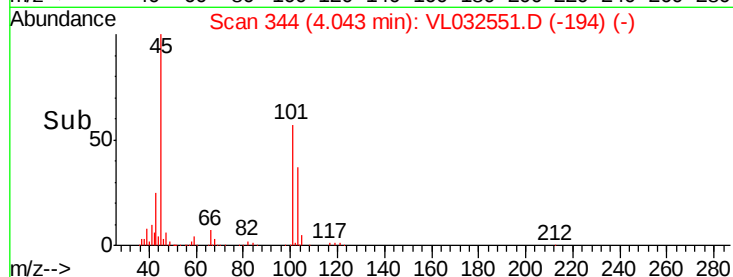
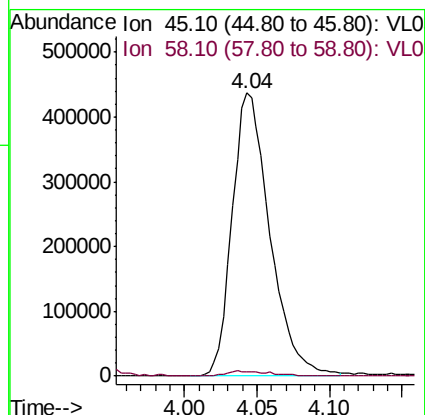
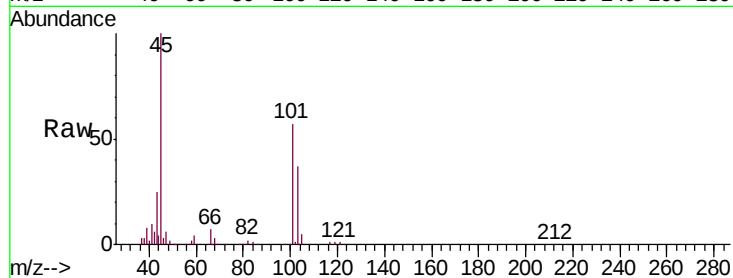
VL0927ABS01

Tgt Ion: 45 Resp: 788974

Ion Ratio Lower Upper

45 100

58 2.2 2.0 3.0



#20

Methylene Chloride

Concen: 8.972 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion: 84 Resp: 541945

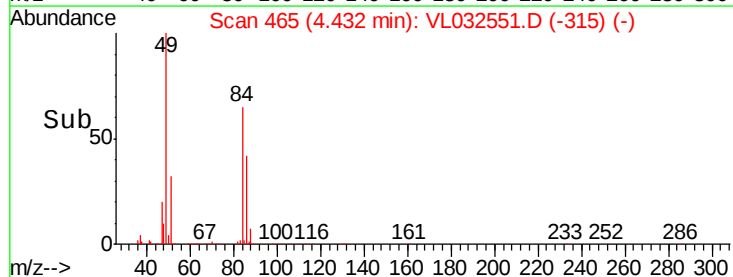
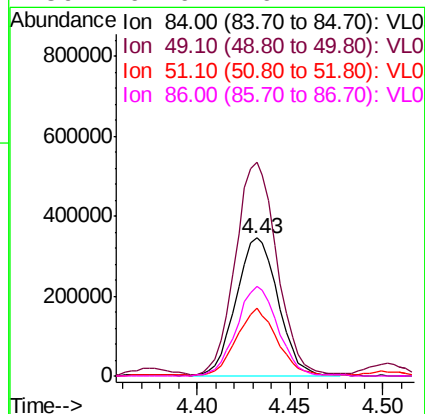
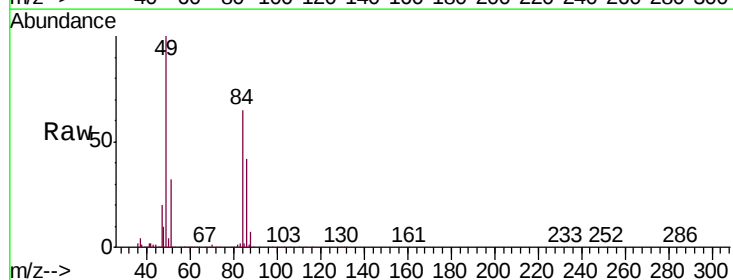
Ion Ratio Lower Upper

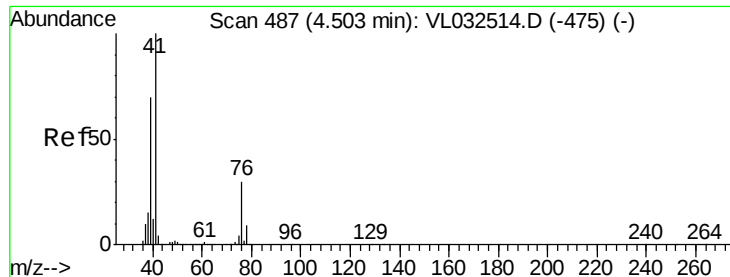
84 100

49 154.4 119.1 178.7

51 49.2 35.2 52.8

86 64.6 49.4 74.2

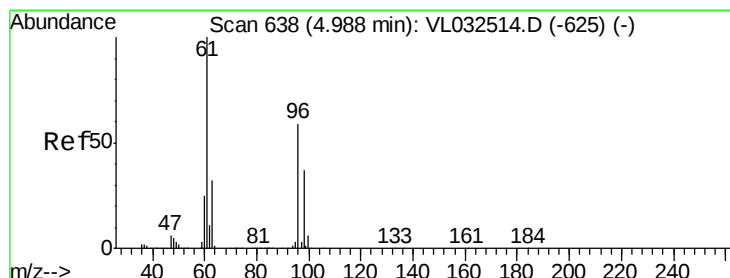
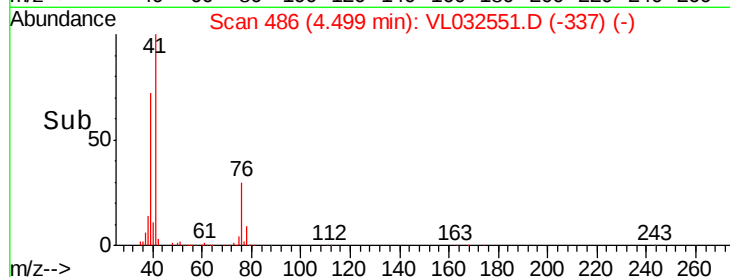
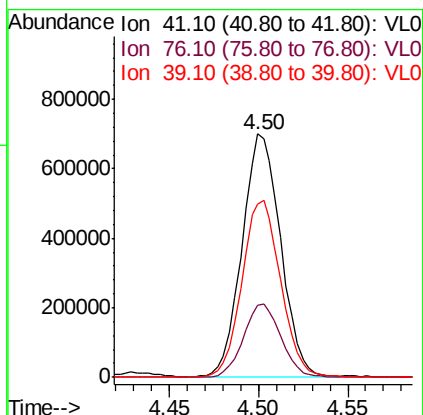
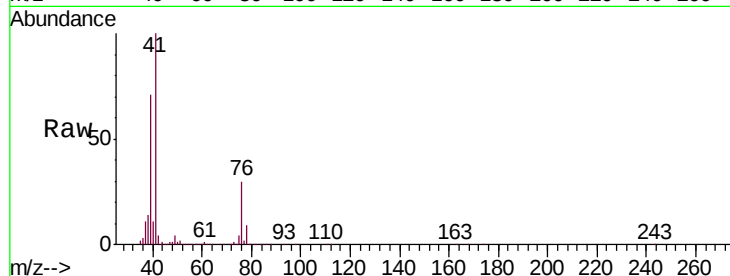




#21
 Allyl Chloride
 Concen: 10.347 ppbv
 RT: 4.50 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

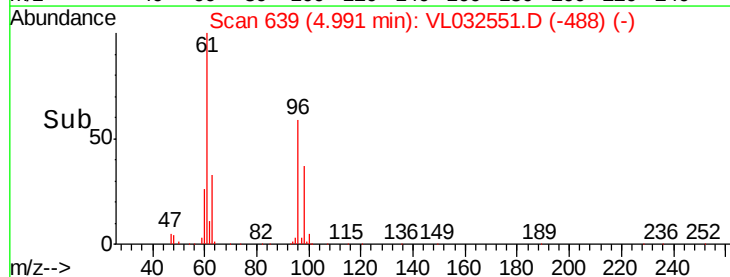
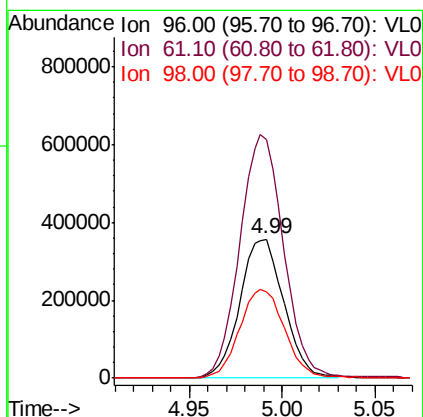
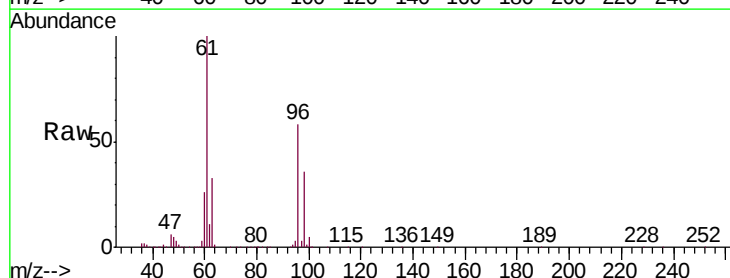
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

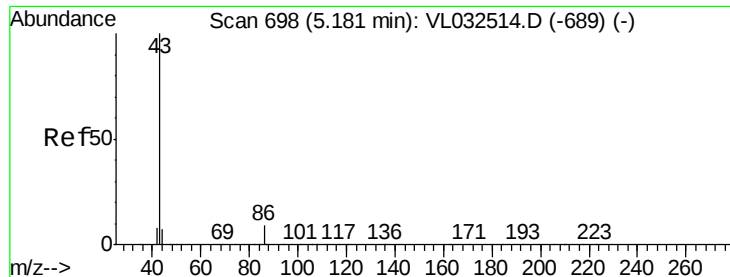
Tgt Ion: 41 Resp: 1054905
 Ion Ratio Lower Upper
 41 100
 76 29.6 23.6 35.4
 39 73.5 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.400 ppbv
 RT: 4.99 min Scan# 639
 Delta R.T. -0.01 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 96 Resp: 586324
 Ion Ratio Lower Upper
 96 100
 61 172.2 136.2 204.4
 98 62.3 50.4 75.6





#23

Vinyl Acetate

Concen: 9.993 ppbv

RT: 5.18 min Scan# 698

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

Tgt Ion: 43 Resp: 2202665

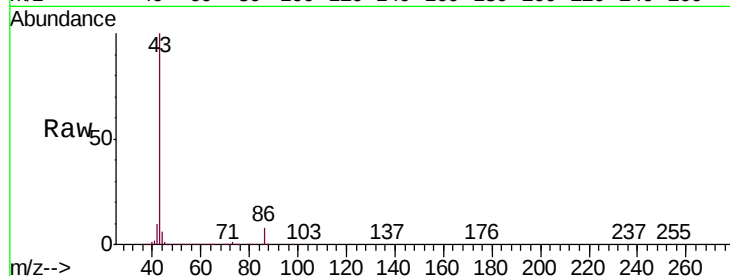
Ion Ratio Lower Upper

43 100

86 7.9 5.9 8.9

42 10.2 6.9 10.3

44 5.6 4.6 7.0

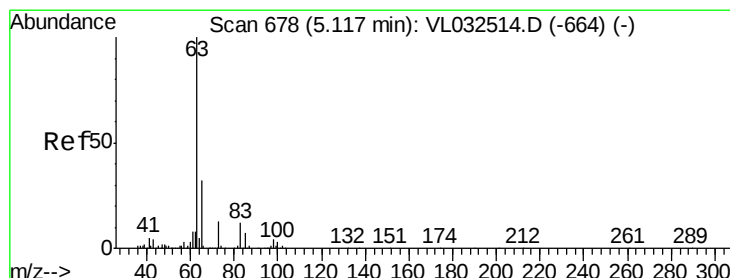
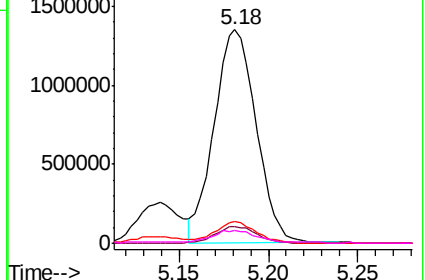
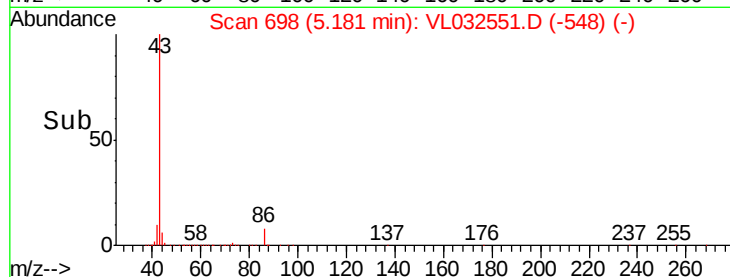


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.655 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

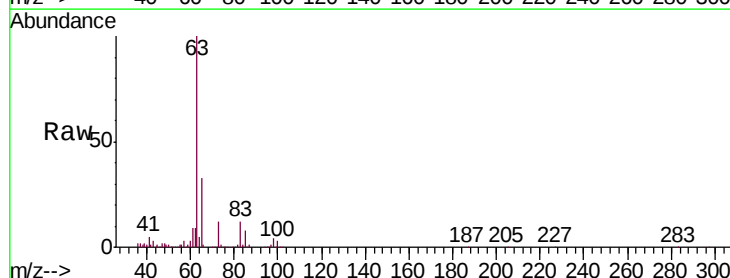
Tgt Ion: 63 Resp: 1772198

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.5

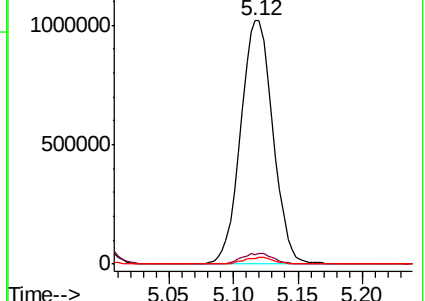
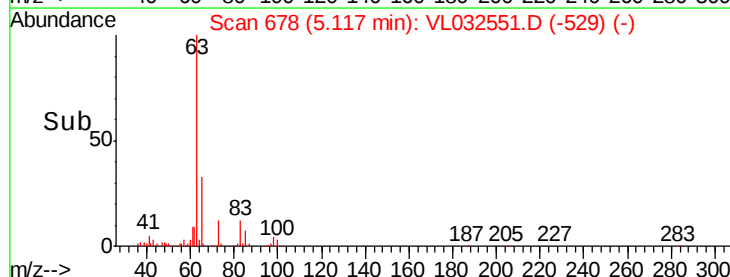
100 2.5 1.5 4.4

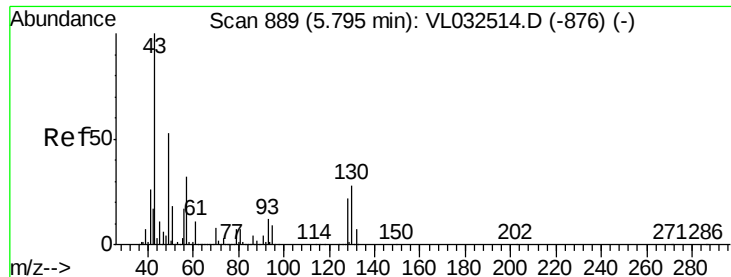


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



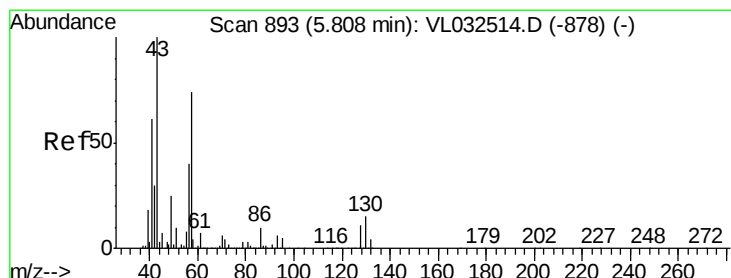
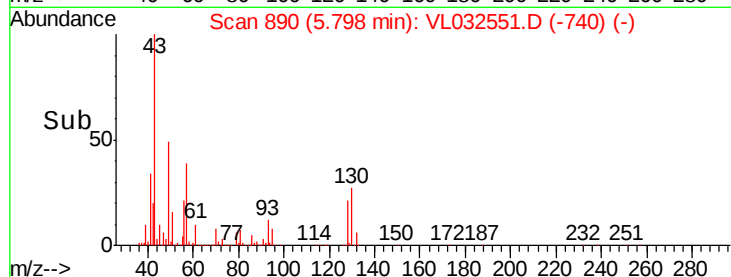
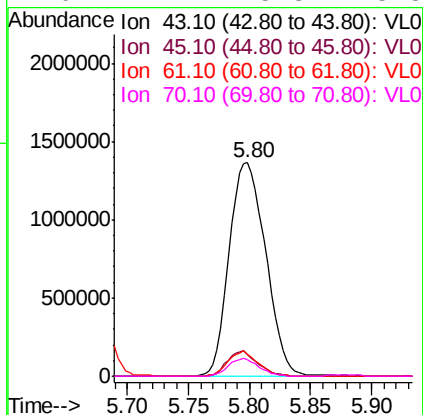
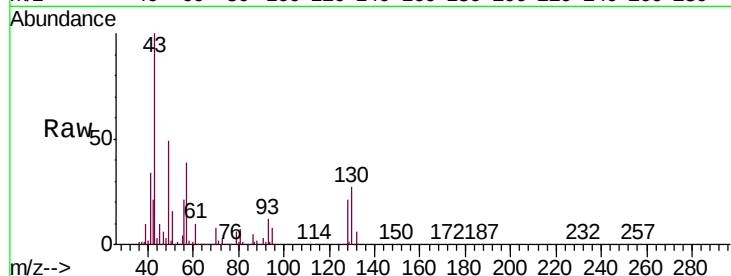


#25
Ethyl Acetate
Concen: 9.385 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

Tgt Ion: 43 Resp: 2840589

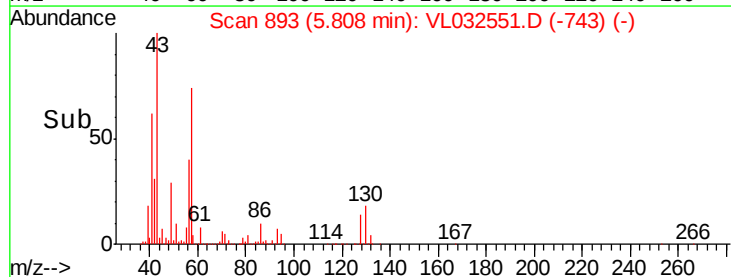
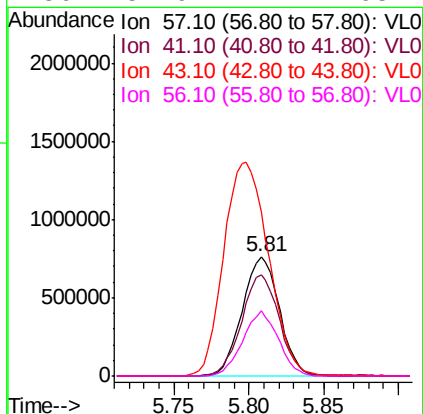
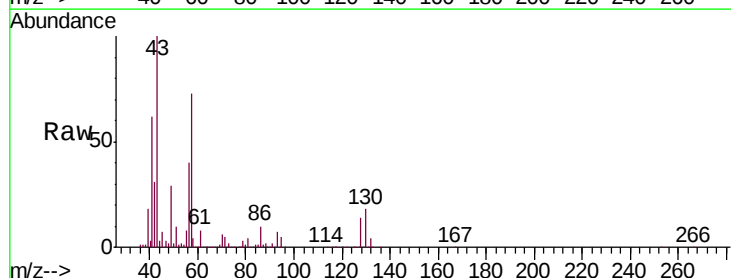
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.8	7.6	11.4
70	7.2	5.8	8.8

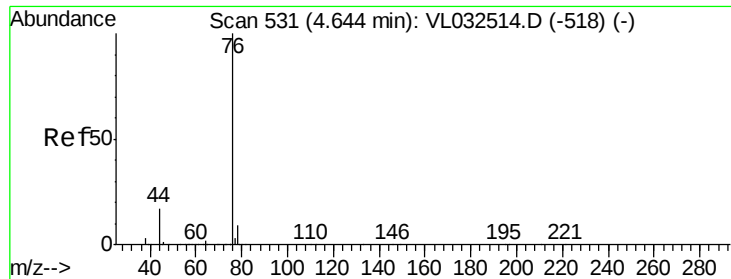


#26
Hexane
Concen: 9.618 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 57 Resp: 1315053

Ion	Ratio	Lower	Upper
57	100		
41	86.6	69.0	103.4
43	217.1	172.1	258.1
56	52.9	42.2	63.2





#27

Carbon Disulfide

Concen: 10.814 ppbv

RT: 4.64 min Scan# 531

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

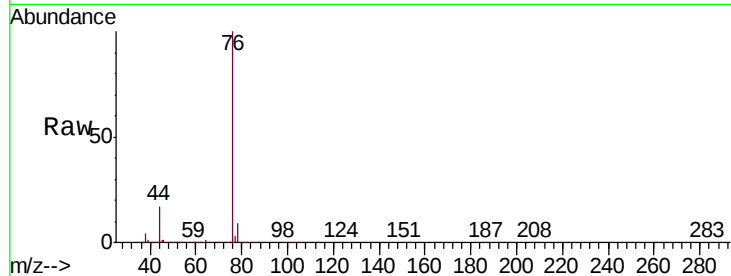
Tgt Ion: 76 Resp: 1589425

Ion Ratio Lower Upper

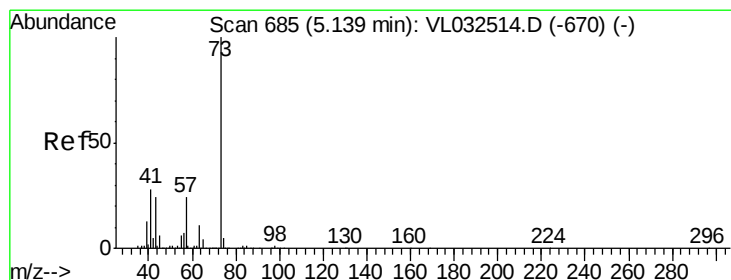
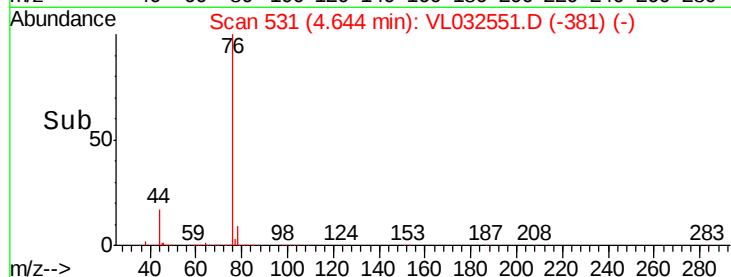
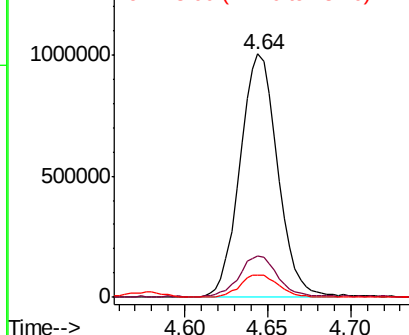
76 100

44 16.9 14.0 21.0

78 9.3 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



#28

Methyl tert-Butyl Ether

Concen: 10.761 ppbv

RT: 5.14 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL032551.D

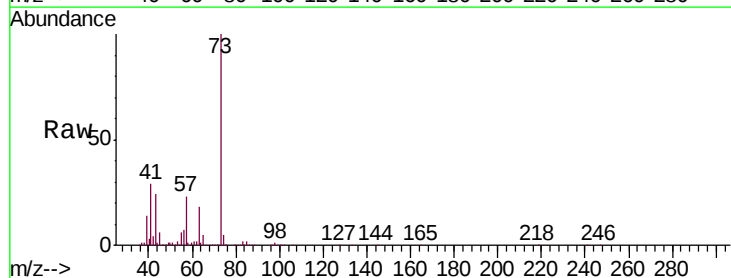
Acq: 27 Sep 2018 15:48

Tgt Ion: 73 Resp: 1832753

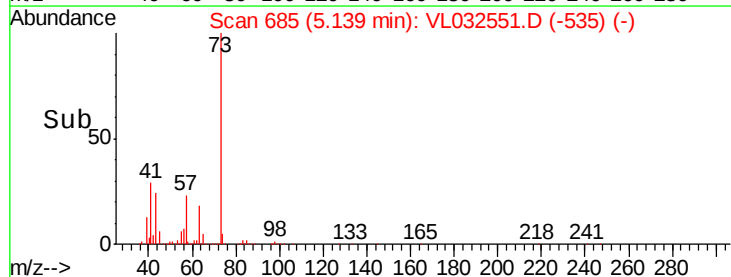
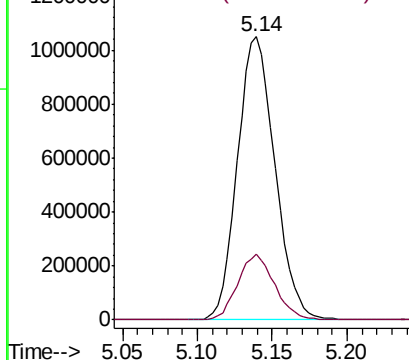
Ion Ratio Lower Upper

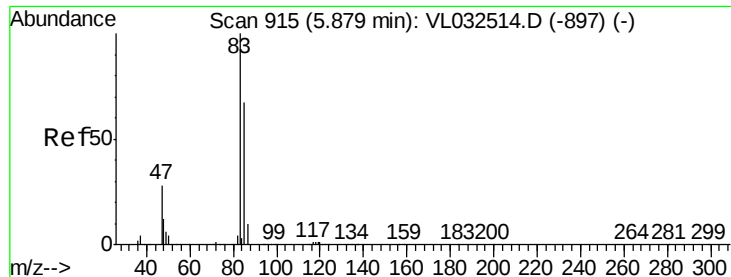
73 100

57 23.0 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

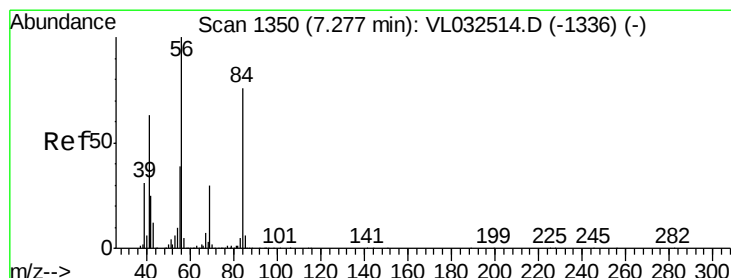
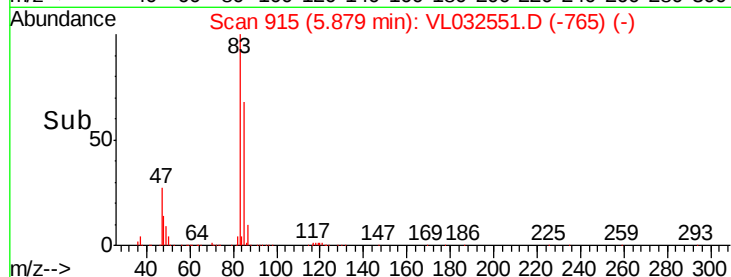
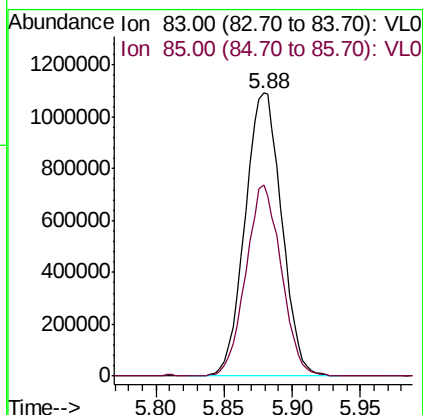
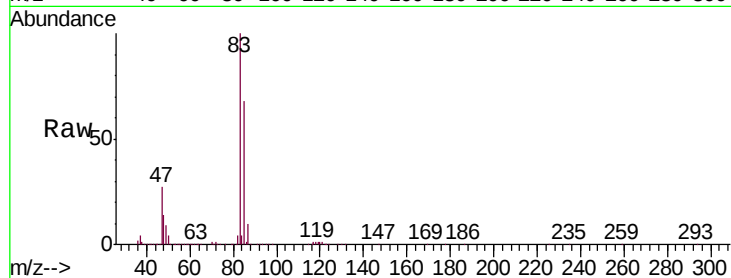




#29
Chloroform
Concen: 9.704 ppbv
RT: 5.88 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

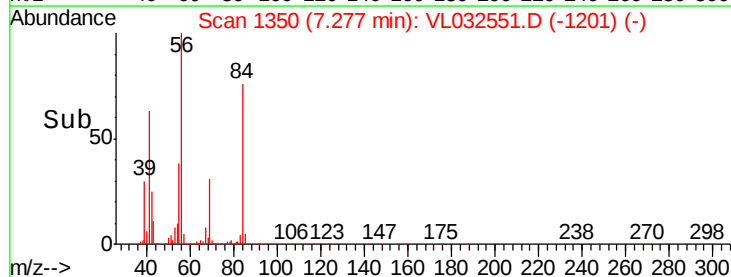
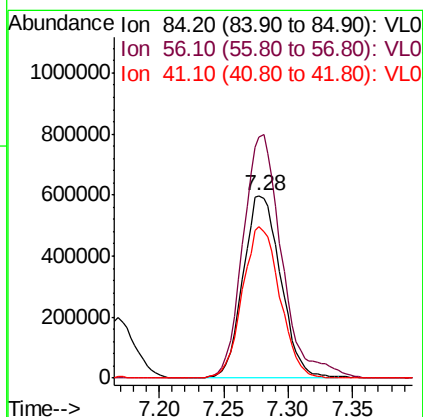
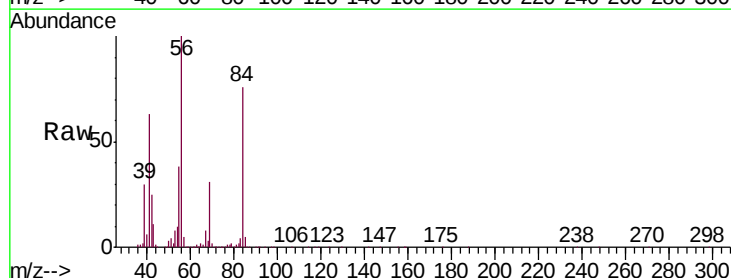
Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

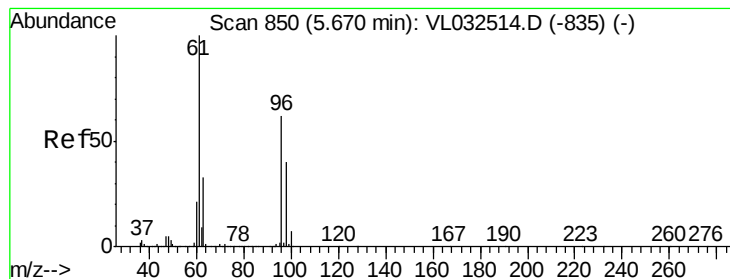
Tgt Ion: 83 Resp: 2035680
Ion Ratio Lower Upper
83 100
85 67.3 52.5 78.7



#30
Cyclohexane
Concen: 10.914 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 84 Resp: 1214969
Ion Ratio Lower Upper
84 100
56 137.8 113.5 170.3
41 82.3 68.1 102.1



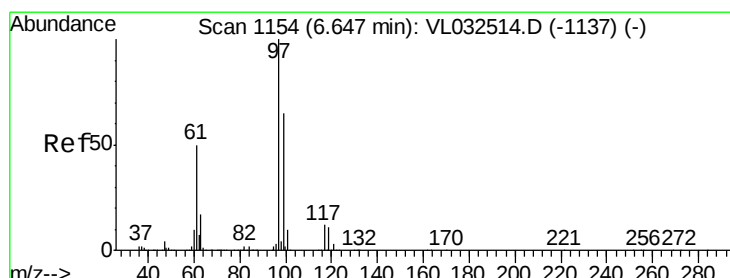
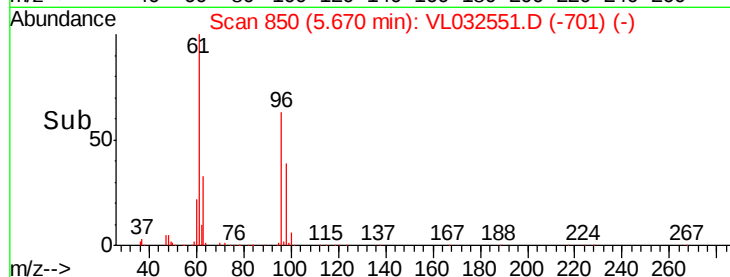
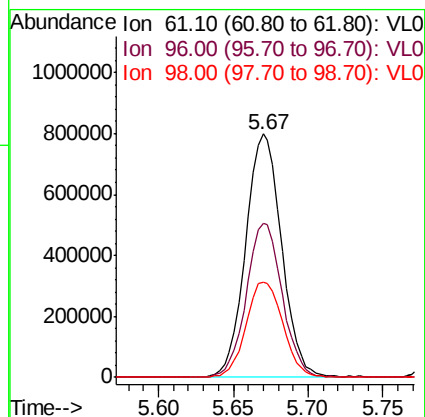
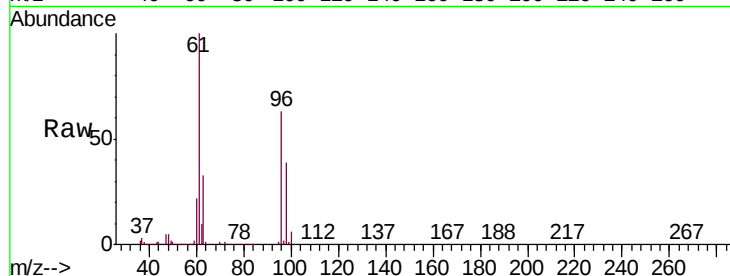


#31

cis-1,2-Dichloroethene
 Concen: 10.248 ppbv
 RT: 5.67 min Scan# 850
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

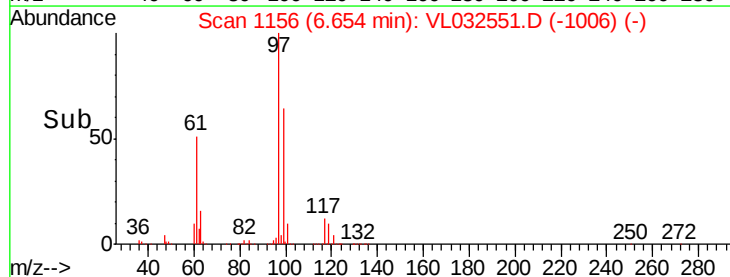
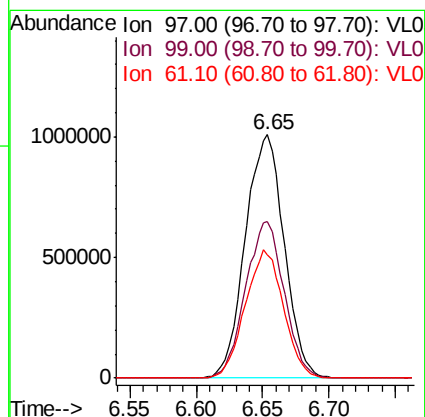
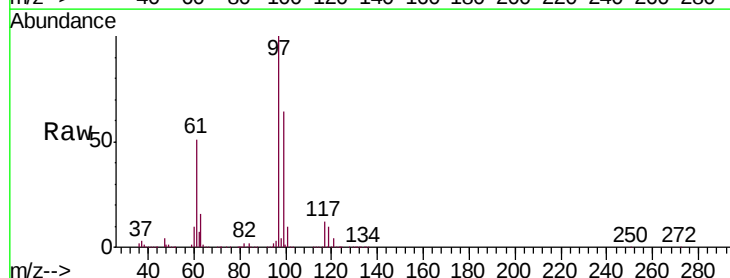
Tgt Ion: 61 Resp: 1334501
 Ion Ratio Lower Upper
 61 100
 96 63.3 49.2 73.8
 98 39.2 30.7 46.1

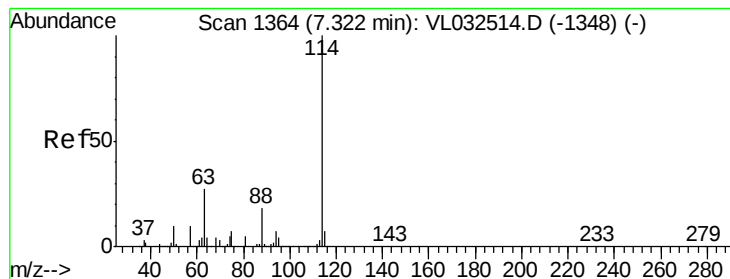


#32

1,1,1-Trichloroethane
 Concen: 9.192 ppbv
 RT: 6.65 min Scan# 1156
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 97 Resp: 2054952
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.1 78.1
 61 51.9 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

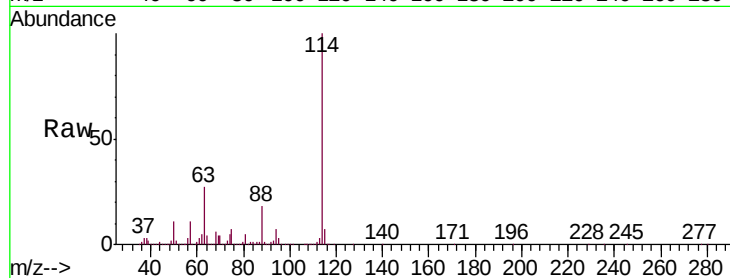
Tgt Ion:114 Resp: 3345661

Ion Ratio Lower Upper

114 100

63 27.7 22.2 33.4

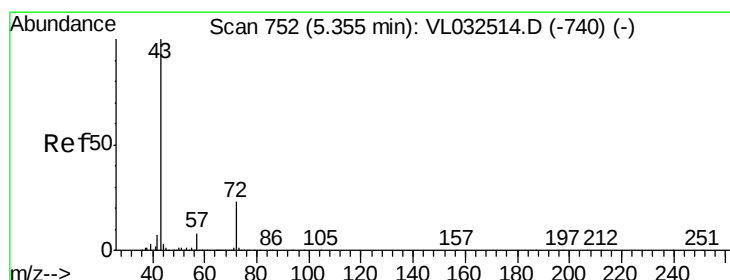
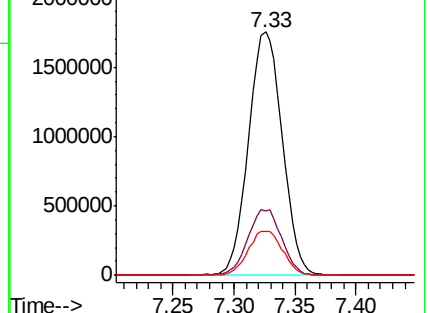
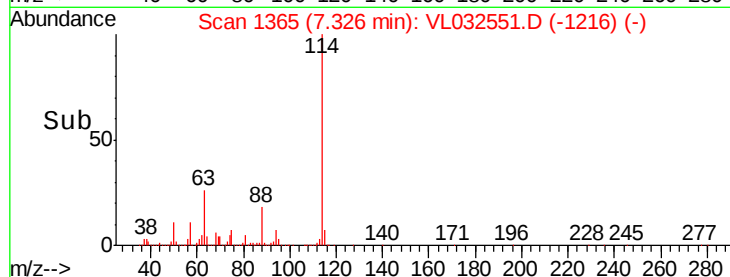
88 18.7 15.0 22.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.666 ppbv

RT: 5.35 min Scan# 752

Delta R.T. -0.02 min

Lab File: VL032551.D

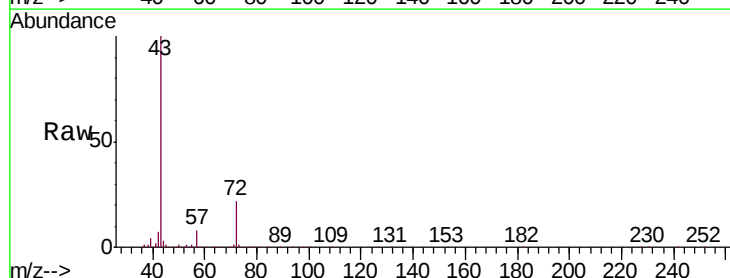
Acq: 27 Sep 2018 15:48

Tgt Ion: 43 Resp: 1925802

Ion Ratio Lower Upper

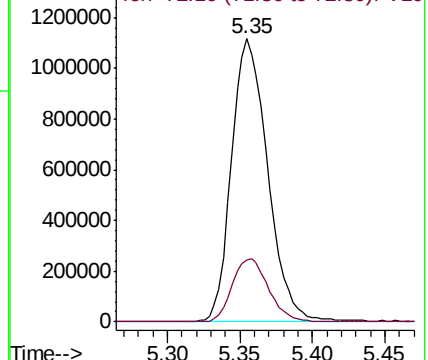
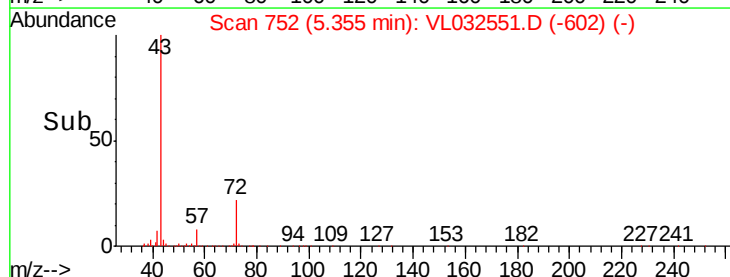
43 100

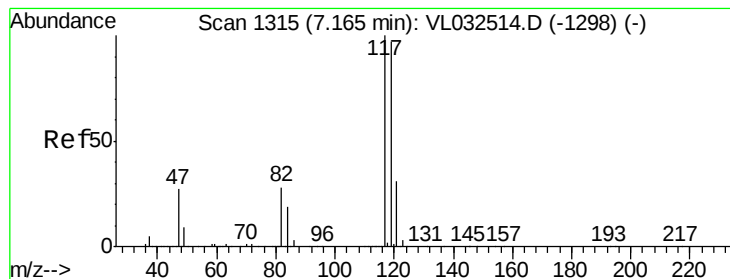
72 22.6 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.401 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

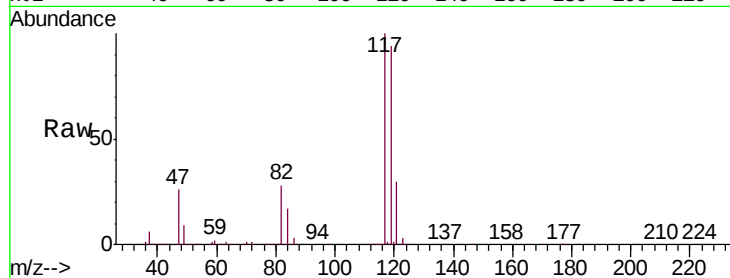
Tgt Ion:117 Resp: 2185676

Ion Ratio Lower Upper

117 100

119 93.8 76.6 115.0

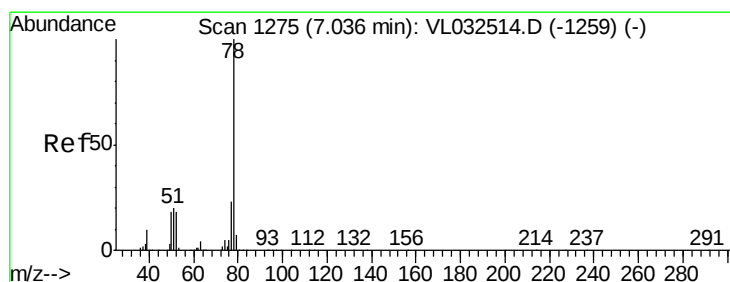
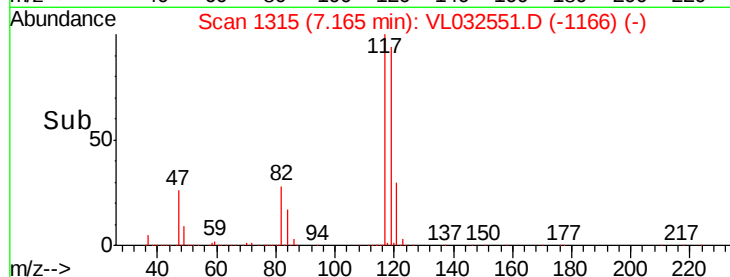
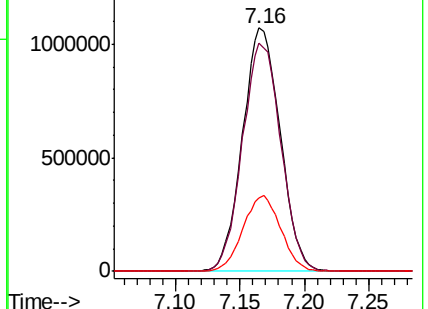
121 29.9 24.6 36.8



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



#36

Benzene

Concen: 10.421 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

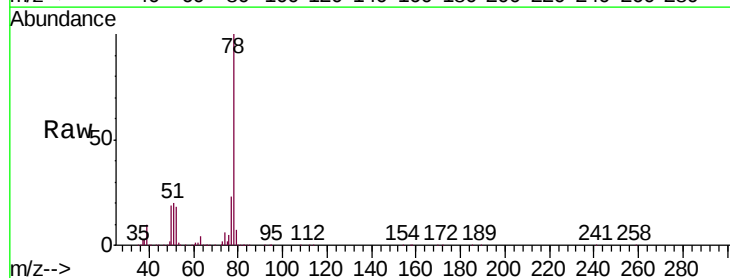
Tgt Ion: 78 Resp: 2817699

Ion Ratio Lower Upper

78 100

77 22.9 18.4 27.6

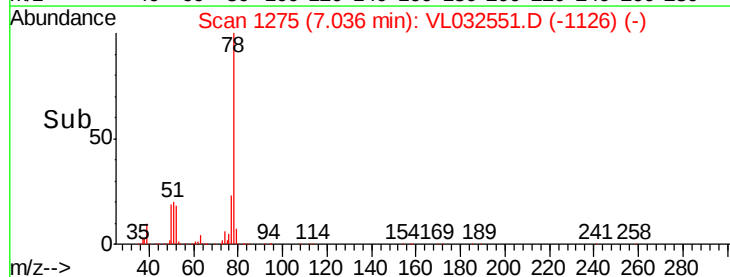
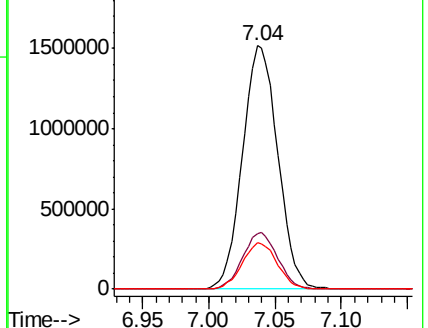
50 19.0 14.4 21.6

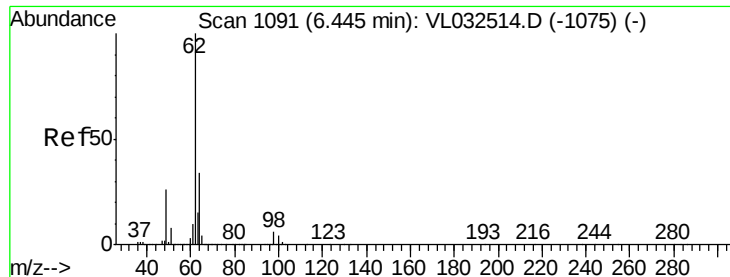


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

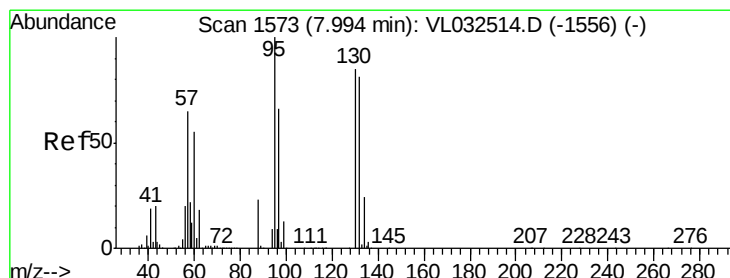
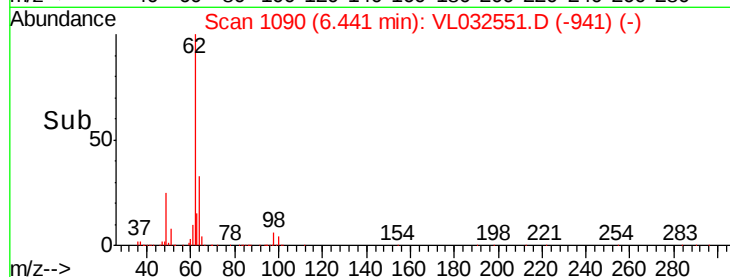
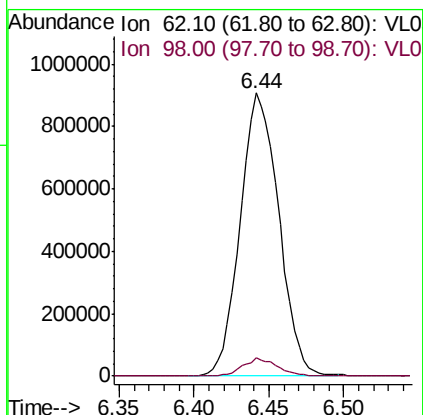
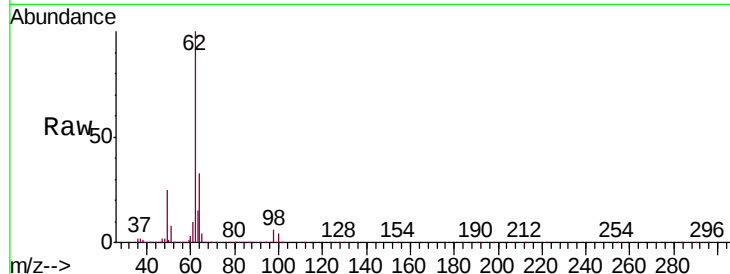




#37
 1,2-Dichloroethane
 Concen: 10.023 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

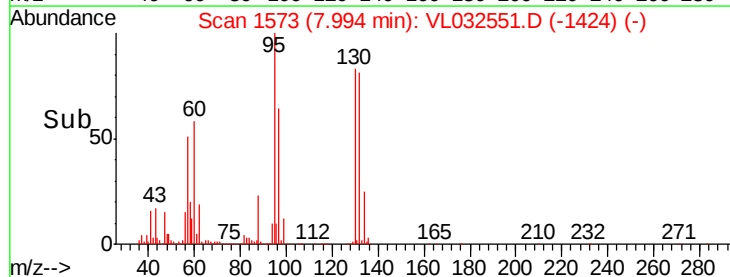
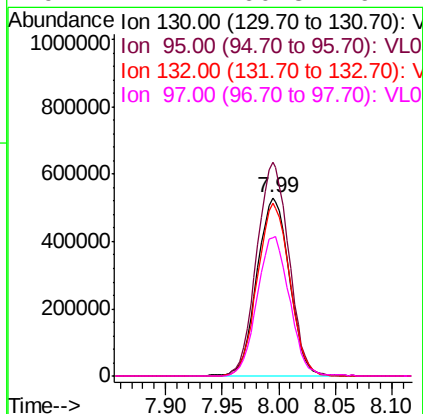
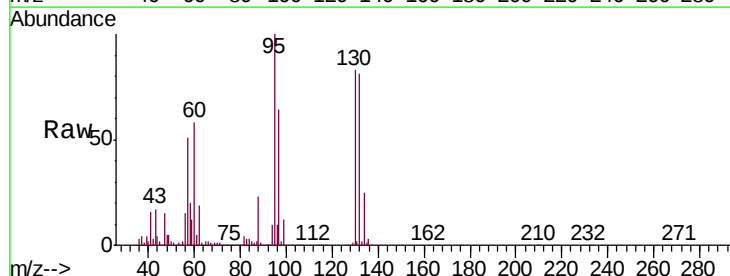
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

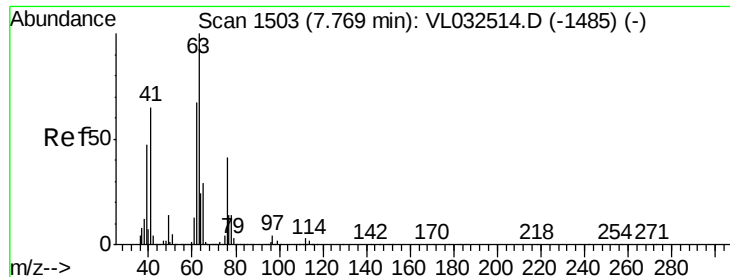
Tgt Ion: 62 Resp: 1633242
 Ion Ratio Lower Upper
 62 100
 98 5.8 5.0 7.6



#38
 Trichloroethene
 Concen: 10.222 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 130 Resp: 1057907
 Ion Ratio Lower Upper
 130 100
 95 119.6 94.2 141.4
 132 96.7 76.2 114.4
 97 77.2 60.8 91.2





#39

1,2-Dichloropropane

Concen: 9.651 ppbv

RT: 7.77 min Scan# 1503

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

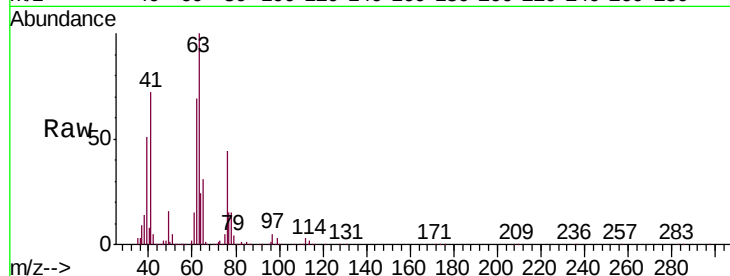
Tgt Ion: 63 Resp: 1175916

Ion Ratio Lower Upper

63 100

41 71.5 55.4 83.0

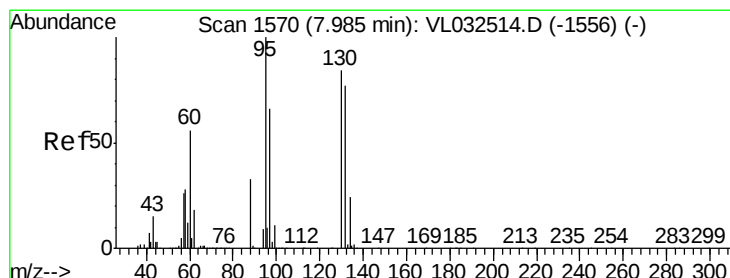
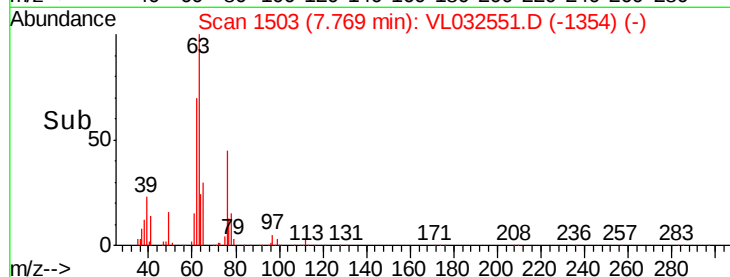
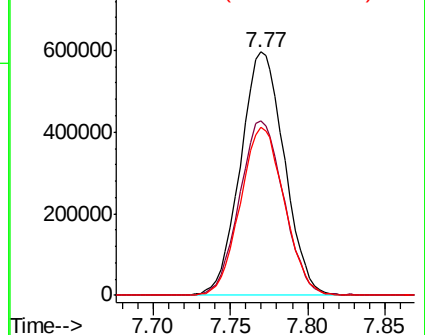
62 68.9 55.4 83.0



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



#40

1,4-Dioxane

Concen: 9.814 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion: 88 Resp: 366659

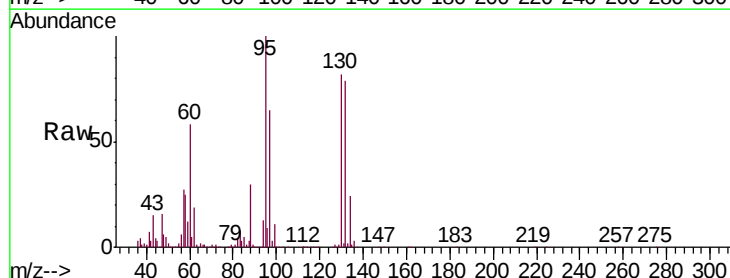
Ion Ratio Lower Upper

88 100

58 145.8 119.7 179.5

43 306.9 253.0 379.4

57 1410.1 1156.9 1735.3

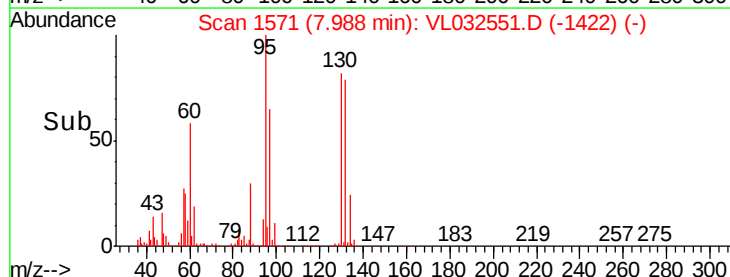
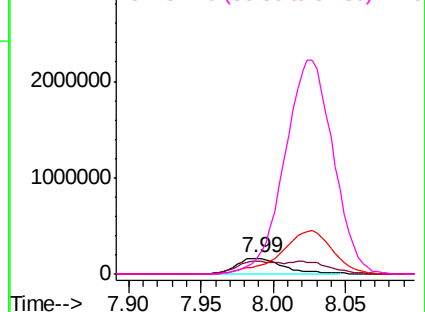


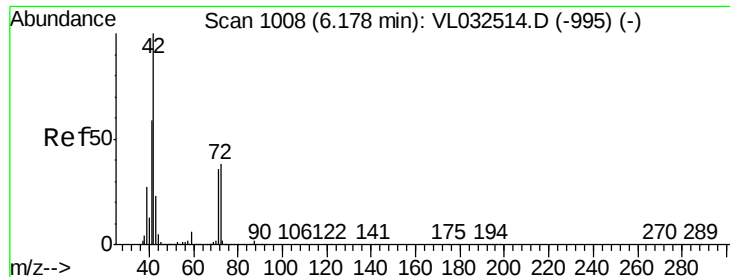
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 11.012 ppbv

RT: 6.18 min Scan# 1008

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

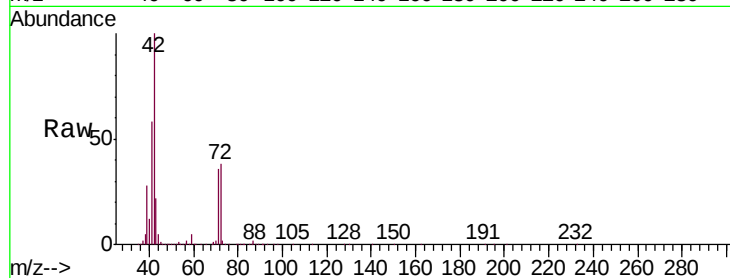
Tgt Ion: 42 Resp: 1191979

Ion Ratio Lower Upper

42 100

72 38.7 29.5 44.3

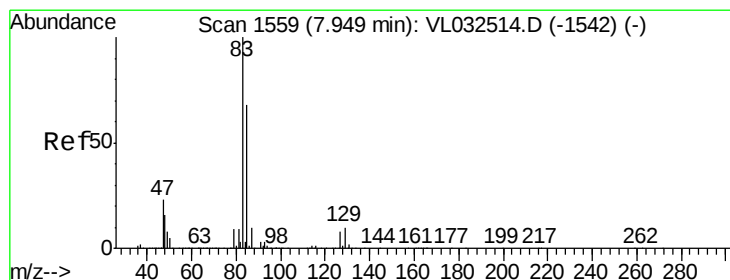
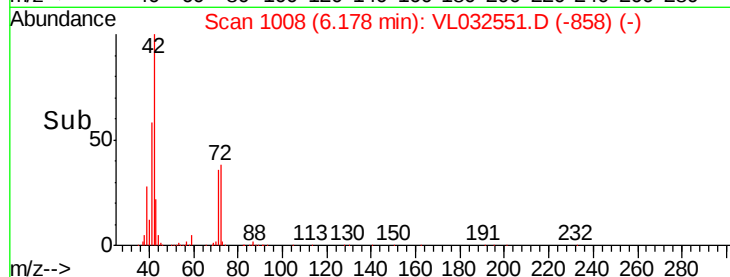
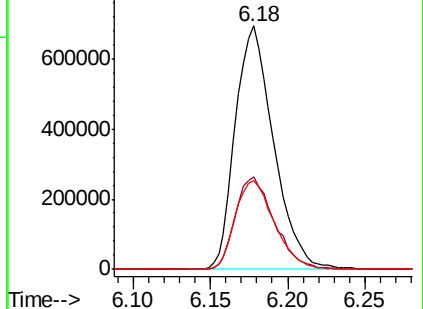
71 37.6 28.3 42.5



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: 9.909 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

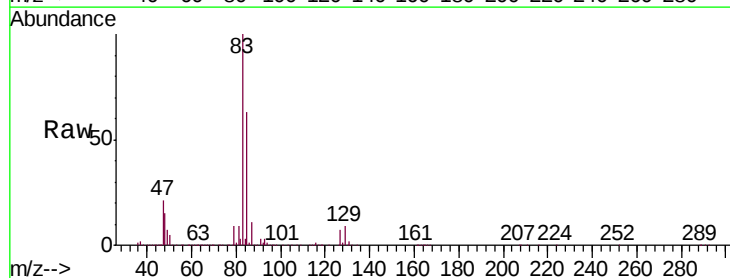
Tgt Ion: 83 Resp: 2418971

Ion Ratio Lower Upper

83 100

85 63.3 51.1 76.7

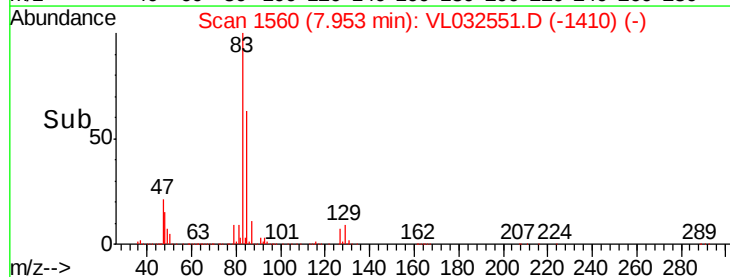
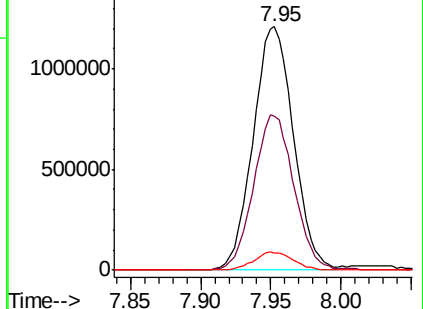
127 7.1 5.8 8.8

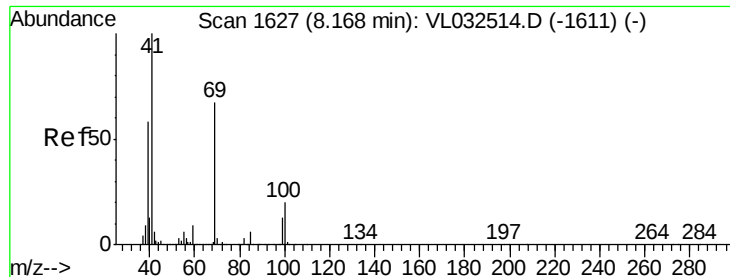


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

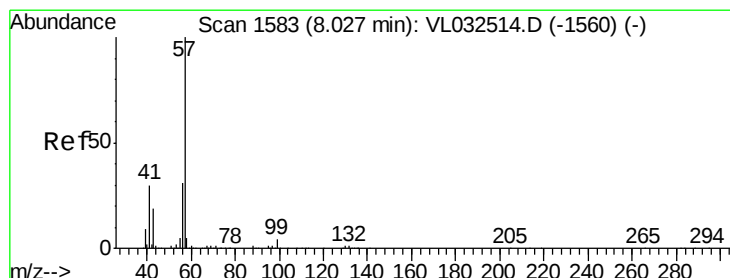
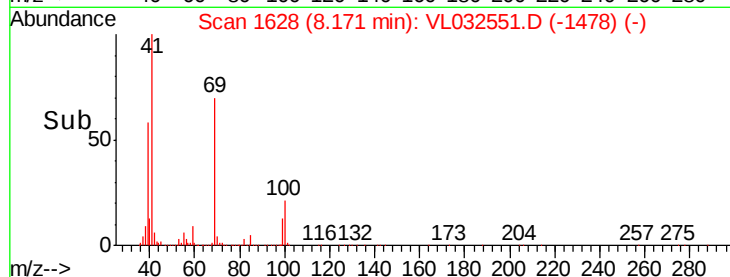
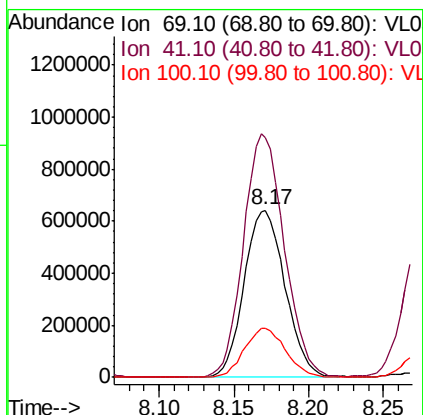
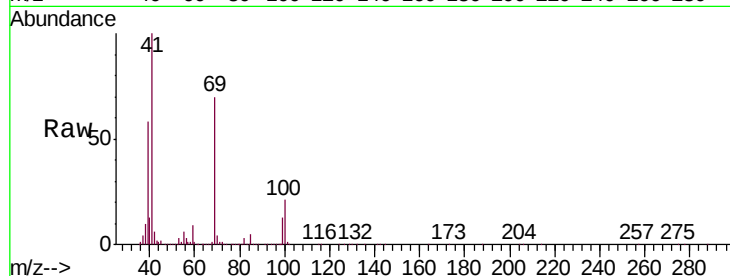




#43
Methyl Methacrylate
Concen: 10.823 ppbv
RT: 8.17 min Scan# 1628
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

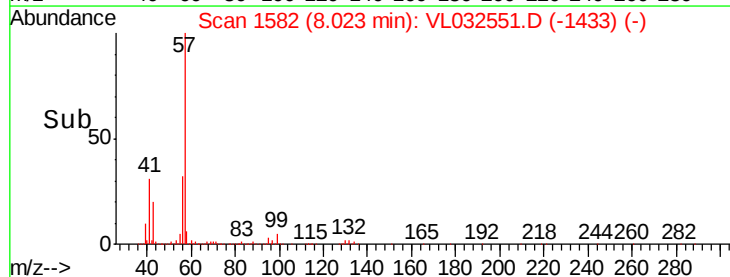
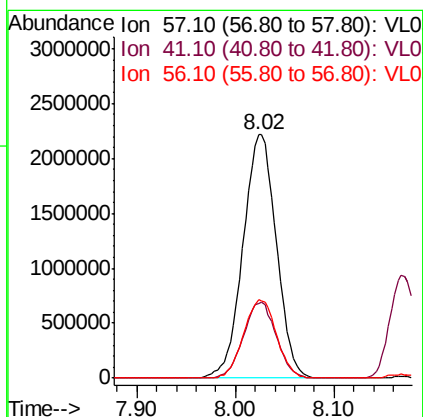
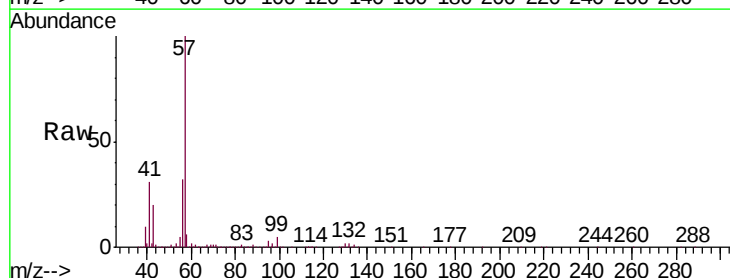
Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

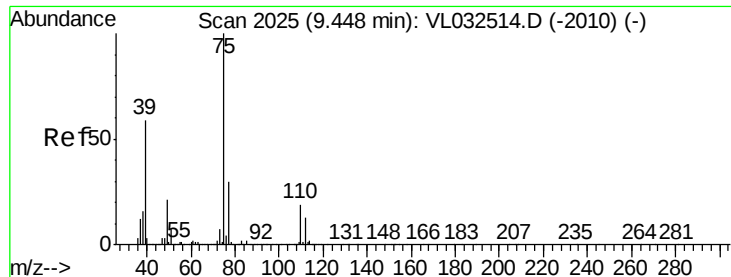
Tgt Ion: 69 Resp: 1222390
Ion Ratio Lower Upper
69 100
41 145.0 117.1 175.7
100 29.7 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.782 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 57 Resp: 5168839
Ion Ratio Lower Upper
57 100
41 30.7 24.4 36.6
56 31.8 25.7 38.5

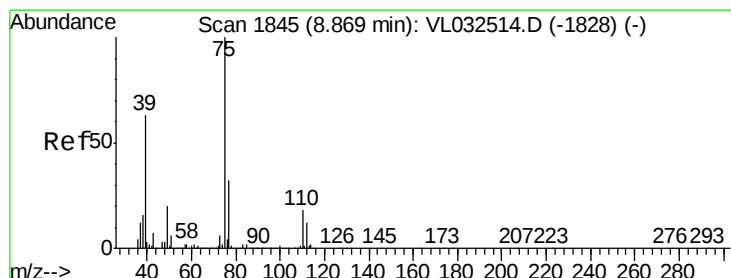
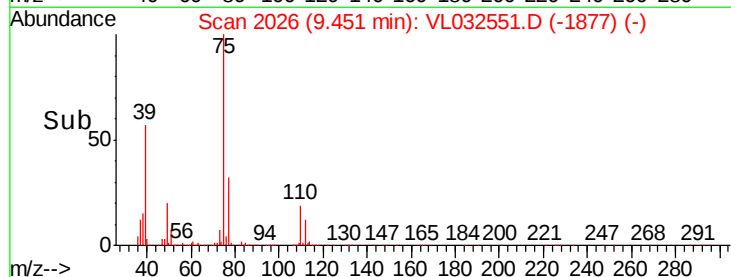
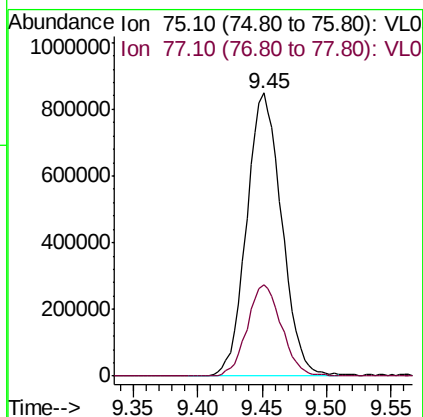
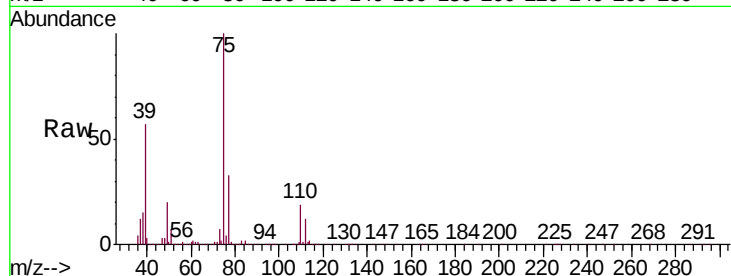




#45
 t-1,3-Dichloropropene
 Concen: 11.459 ppbv
 RT: 9.45 min Scan# 2026
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

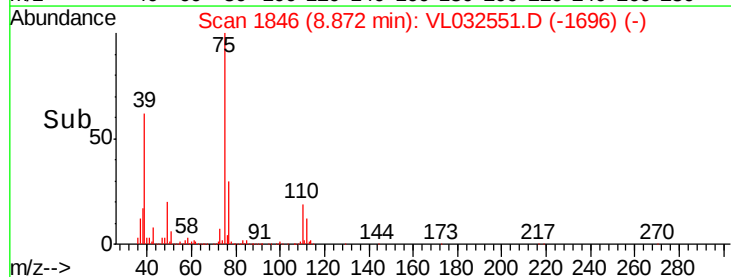
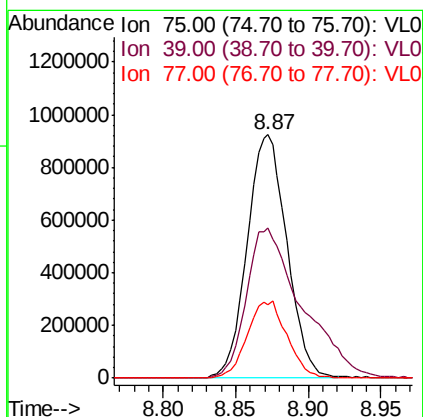
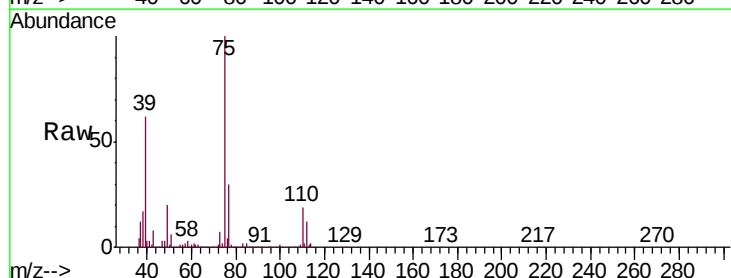
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

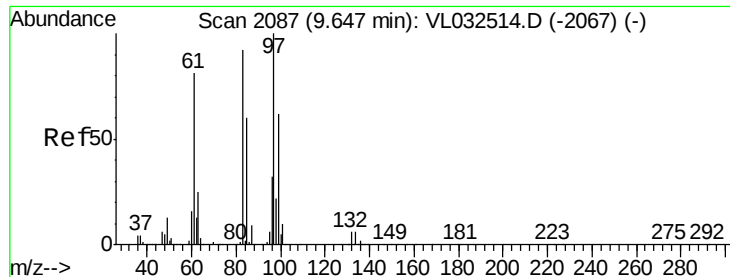
Tgt Ion: 75 Resp: 1609958
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.2 39.2



#46
 cis-1,3-Dichloropropene
 Concen: 10.667 ppbv
 RT: 8.87 min Scan# 1846
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 75 Resp: 1757931
 Ion Ratio Lower Upper
 75 100
 39 61.8 48.9 73.3
 77 30.1 25.4 38.0



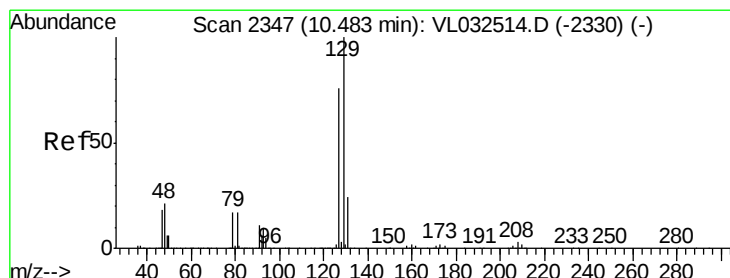
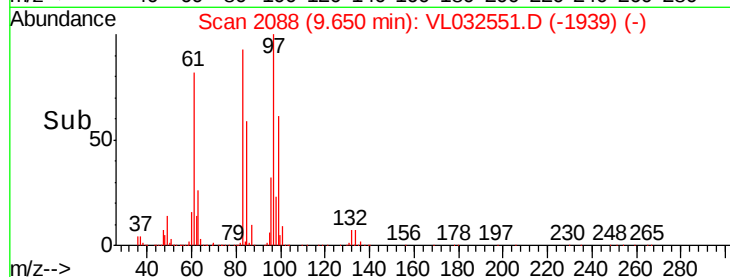
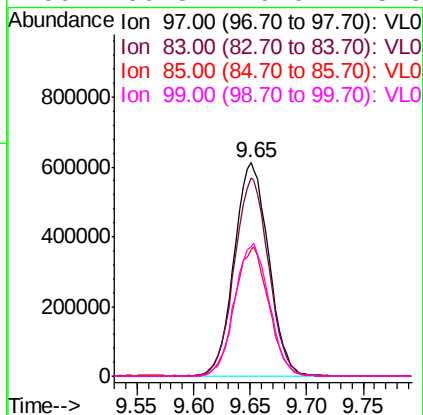
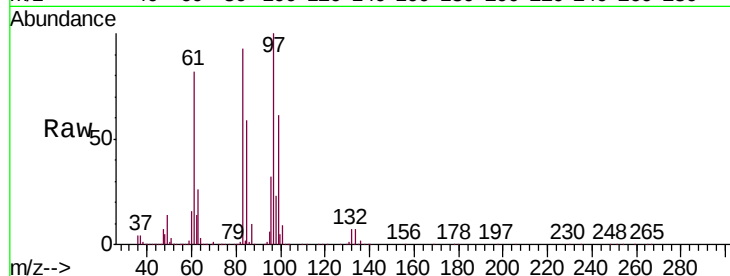


#47
 1,1,2-Trichloroethane
 Concen: 9.611 ppbv
 RT: 9.65 min Scan# 2088
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

Tgt Ion: 97 Resp: 1300621

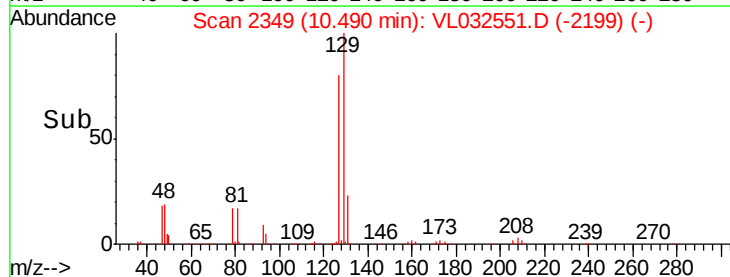
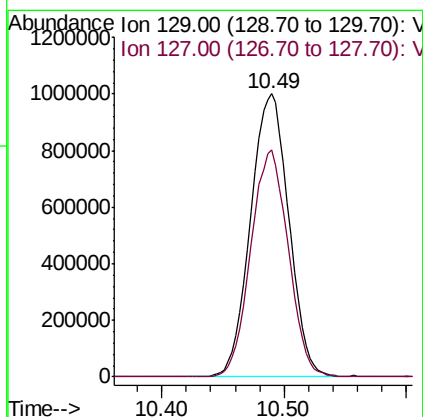
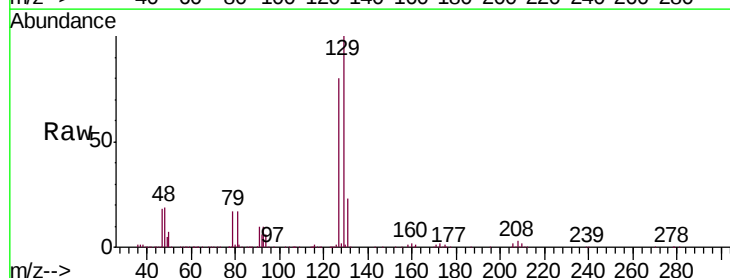
Ion	Ratio	Lower	Upper
97	100		
83	93.0	75.0	112.4
85	58.9	47.5	71.3
99	60.8	49.0	73.6

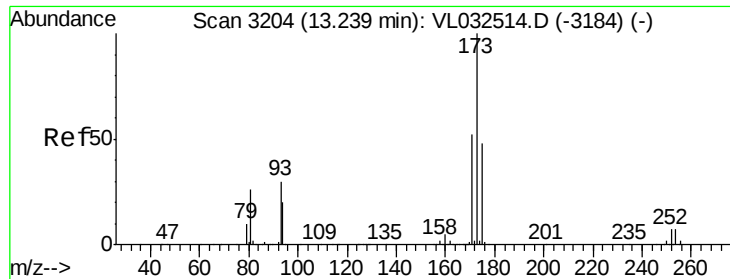


#48
 Dibromochloromethane
 Concen: 10.179 ppbv
 RT: 10.49 min Scan# 2349
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 129 Resp: 2166020

Ion	Ratio	Lower	Upper
129	100		
127	79.1	39.5	118.3





#49

Bromoform

Concen: 10.341 ppbv

RT: 13.24 min Scan# 3204

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

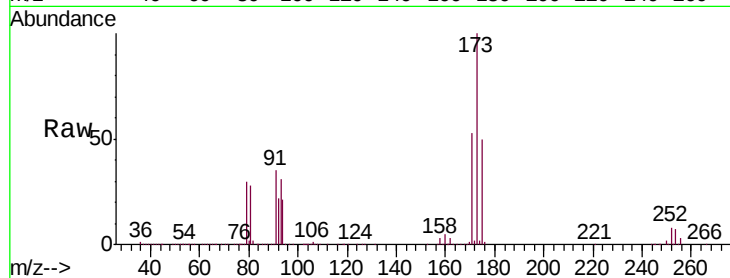
Tgt Ion:173 Resp: 1681495

Ion Ratio Lower Upper

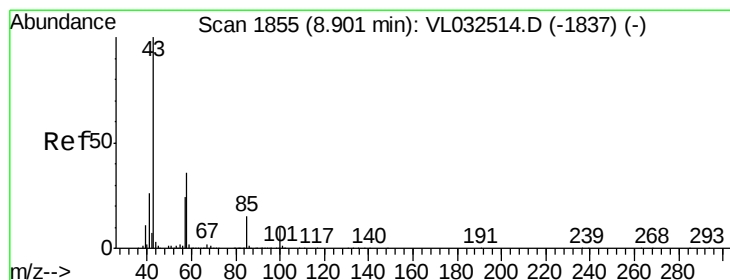
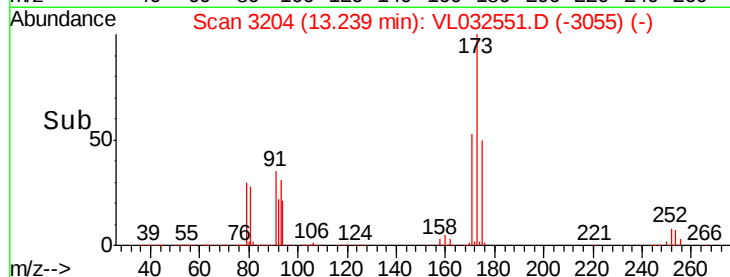
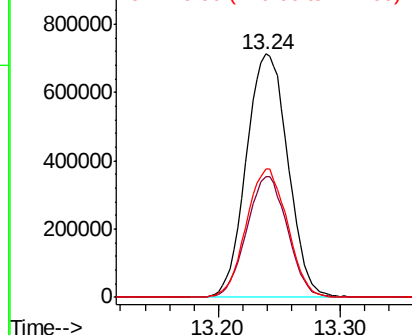
173 100

175 48.7 38.9 58.3

171 52.2 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.583 ppbv

RT: 8.90 min Scan# 1856

Delta R.T. -0.02 min

Lab File: VL032551.D

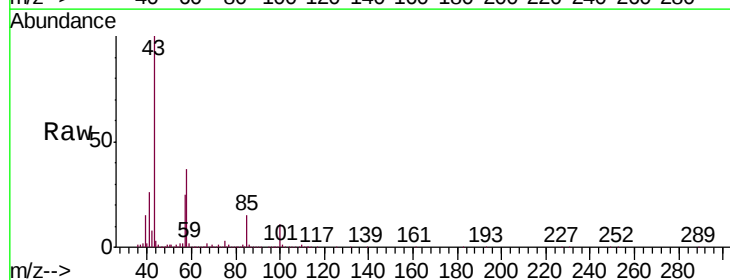
Acq: 27 Sep 2018 15:48

Tgt Ion: 43 Resp: 3001197

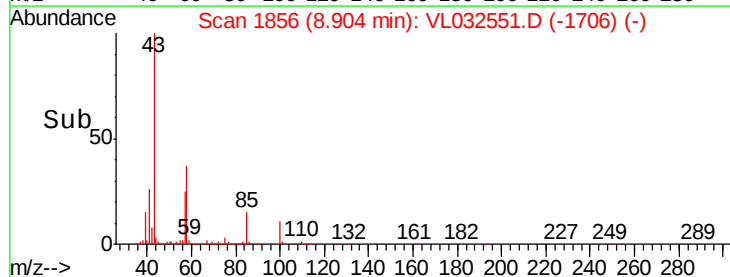
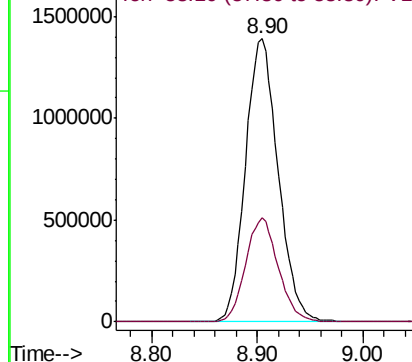
Ion Ratio Lower Upper

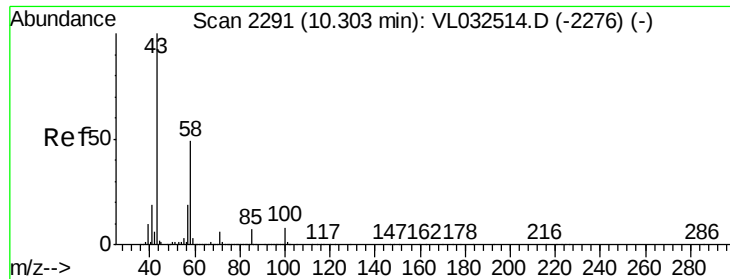
43 100

58 36.6 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

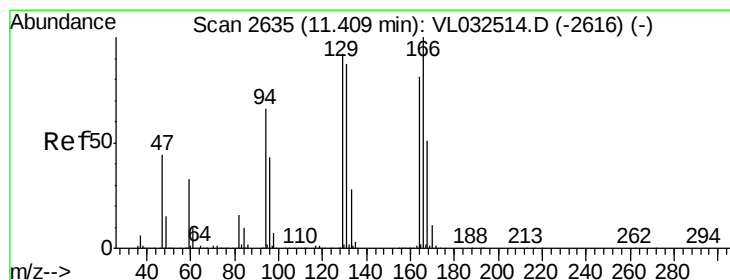
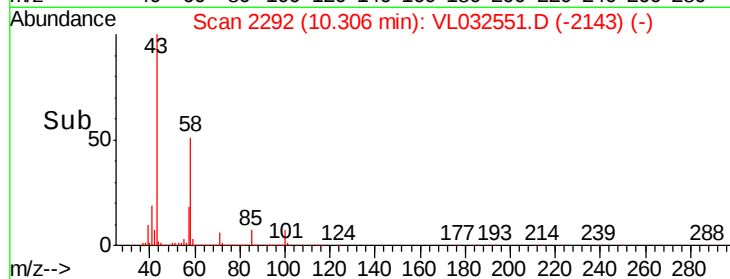
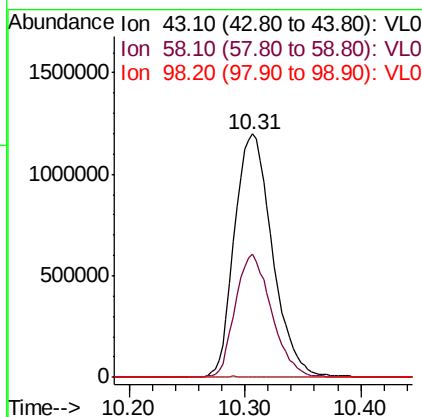
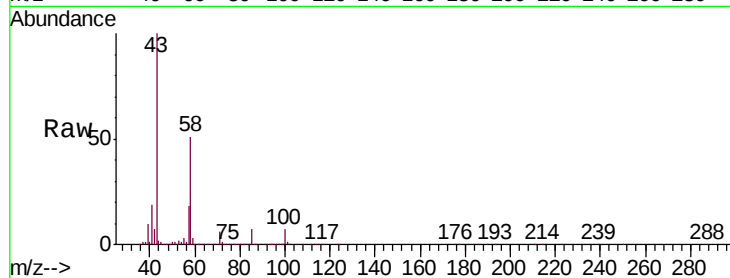




#51
2-Hexanone
Concen: 10.502 ppbv
RT: 10.31 min Scan# 2292
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

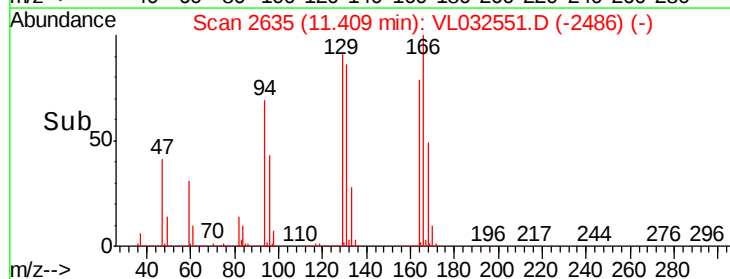
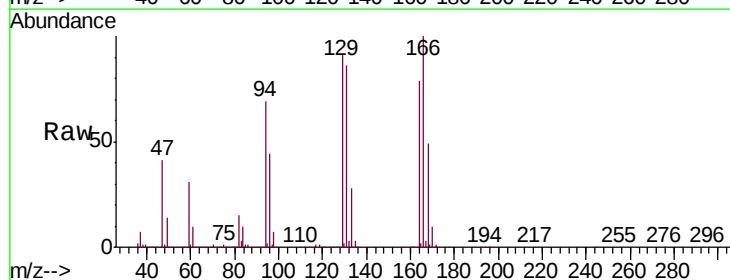
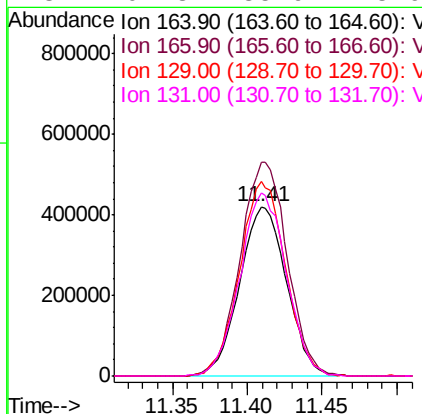
Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

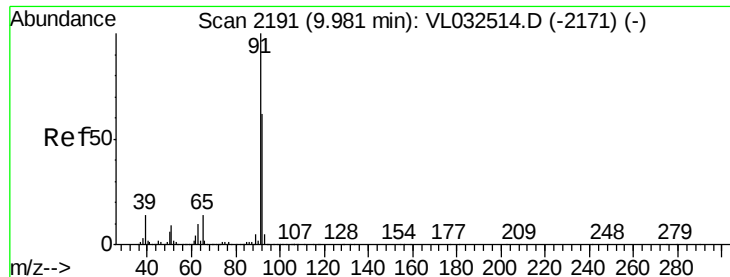
Tgt Ion: 43 Resp: 2720021
Ion Ratio Lower Upper
43 100
58 48.9 39.2 58.8
98 0.6 0.4 0.6



#52
Tetrachloroethene
Concen: 9.724 ppbv
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 164 Resp: 915440
Ion Ratio Lower Upper
164 100
166 125.6 100.6 150.8
129 114.2 89.9 134.9
131 107.3 85.9 128.9





#53

Toluene

Concen: 10.994 ppbv

RT: 9.98 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

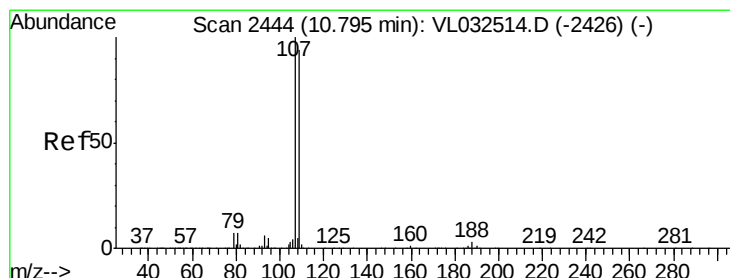
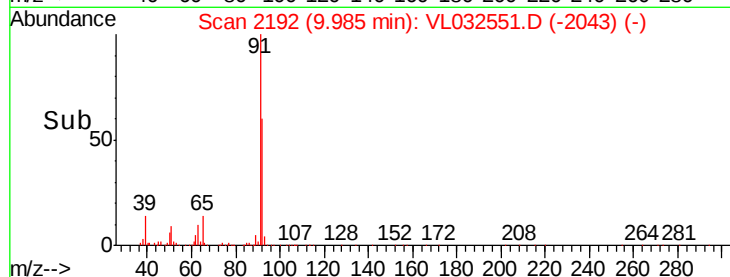
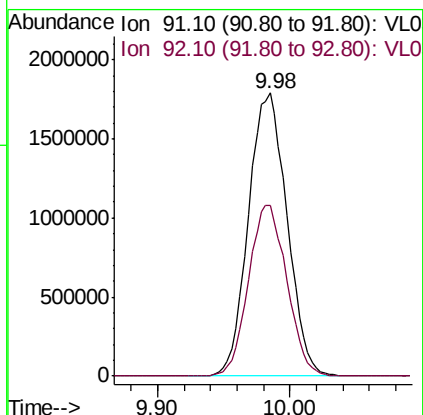
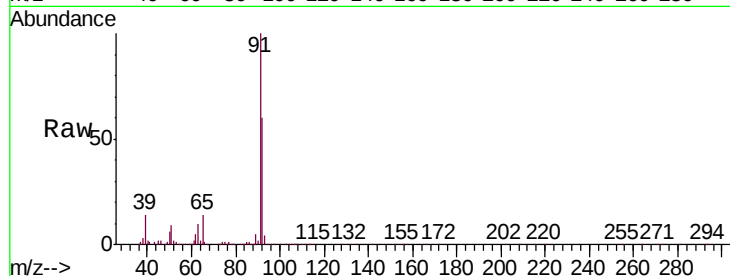
VL0927ABS01

Tgt Ion: 91 Resp: 3622531

Ion Ratio Lower Upper

91 100

92 60.2 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.062 ppbv

RT: 10.80 min Scan# 2446

Delta R.T. -0.01 min

Lab File: VL032551.D

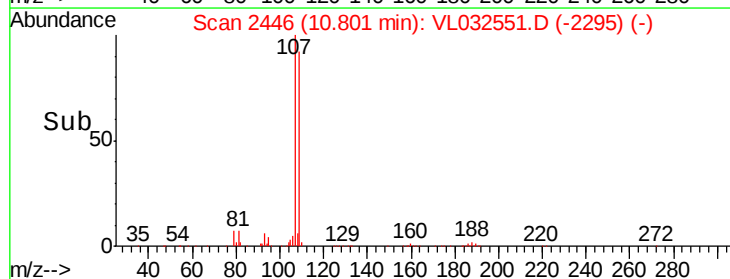
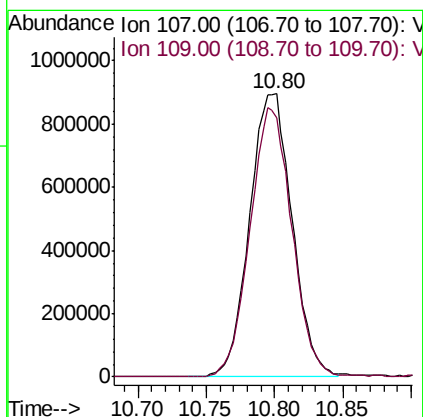
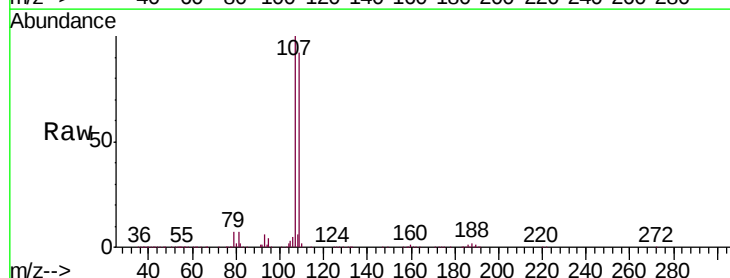
Acq: 27 Sep 2018 15:48

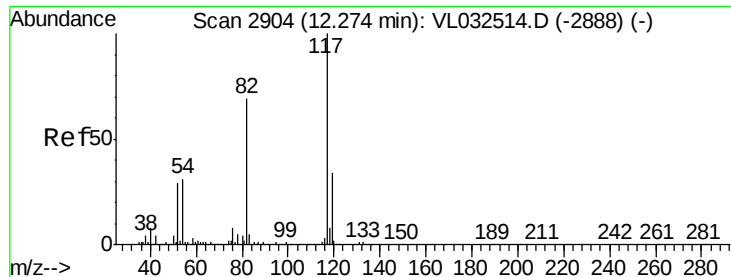
Tgt Ion: 107 Resp: 1936736

Ion Ratio Lower Upper

107 100

109 91.5 73.9 110.9

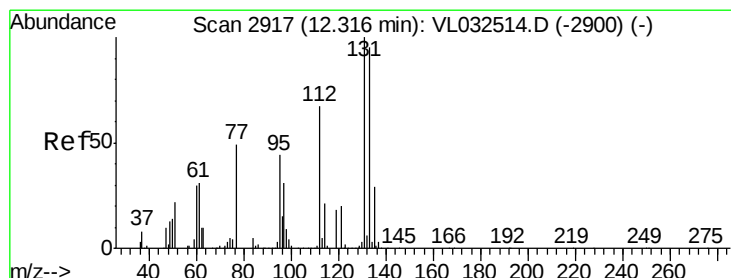
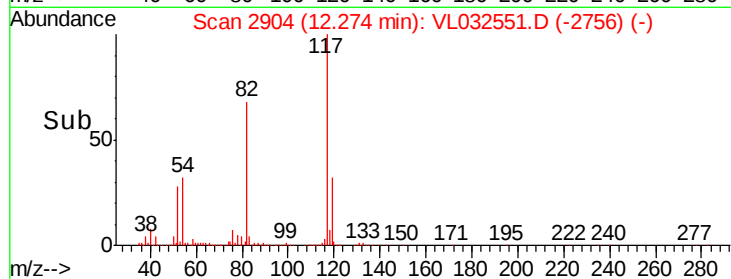
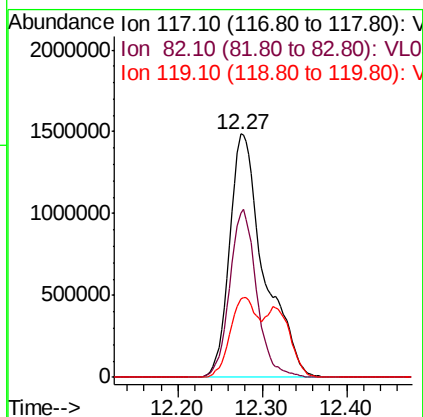
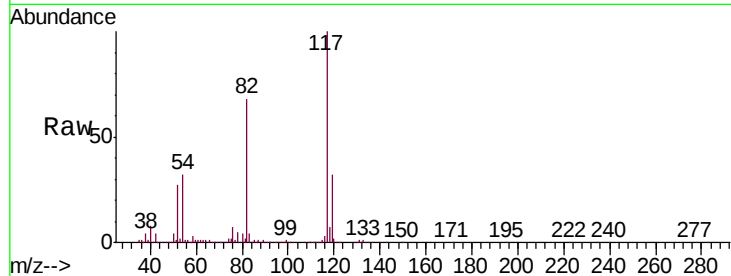




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

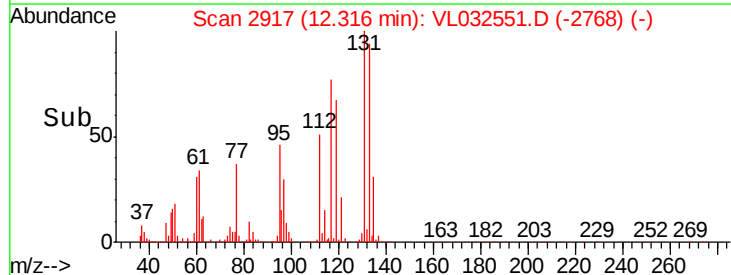
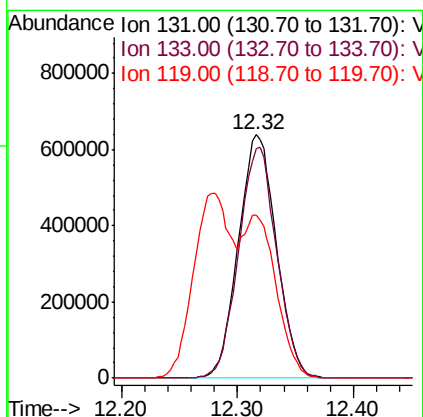
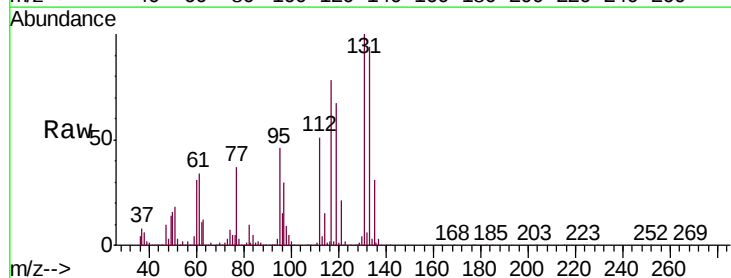
Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

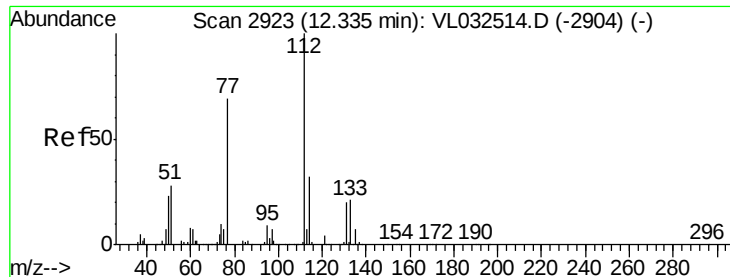
Tgt Ion:117 Resp: 4224848
Ion Ratio Lower Upper
117 100
82 54.1 53.0 79.6
119 28.2 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.652 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion:131 Resp: 1453154
Ion Ratio Lower Upper
131 100
133 95.3 77.0 115.4
119 64.8 114.2 171.2#





#57

Chlorobenzene

Concen: 7.439 ppbv

RT: 12.34 min Scan# 2925

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

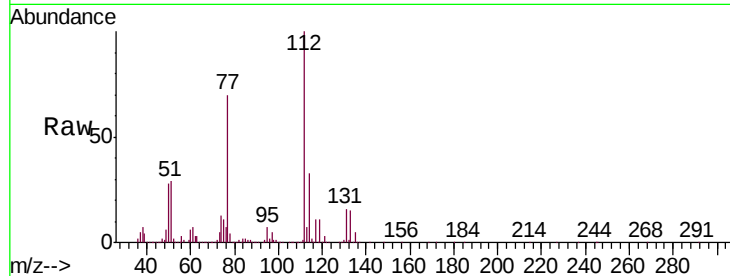
Tgt Ion: 112 Resp: 2531810

Ion Ratio Lower Upper

112 100

77 69.8 56.1 84.1

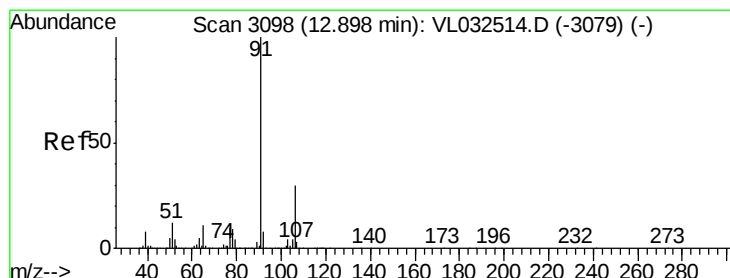
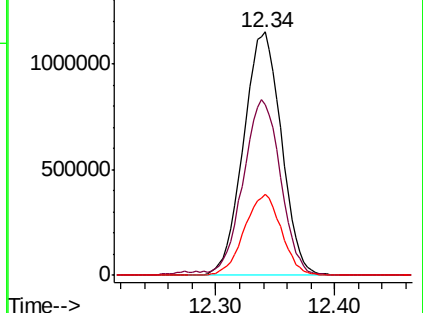
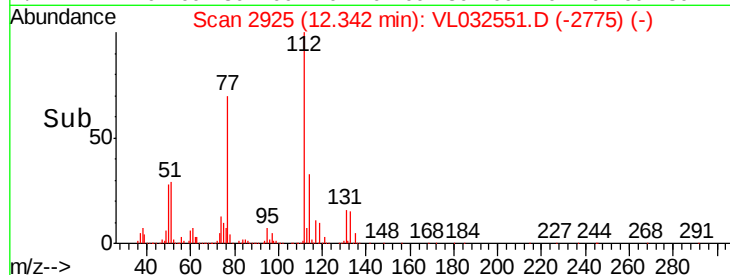
114 33.2 27.8 34.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.811 ppbv

RT: 12.90 min Scan# 3099

Delta R.T. -0.02 min

Lab File: VL032551.D

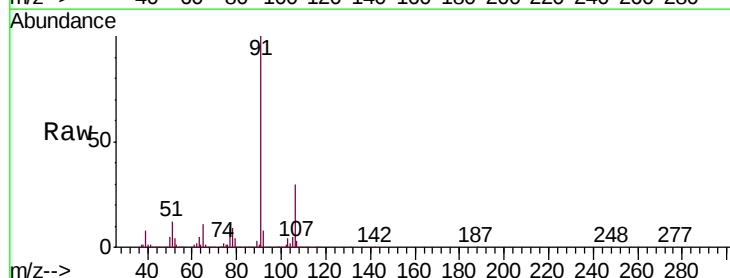
Acq: 27 Sep 2018 15:48

Tgt Ion: 91 Resp: 4515567

Ion Ratio Lower Upper

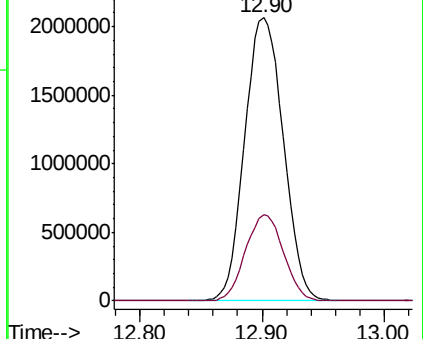
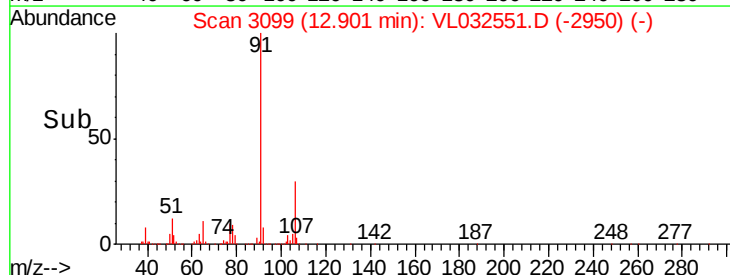
91 100

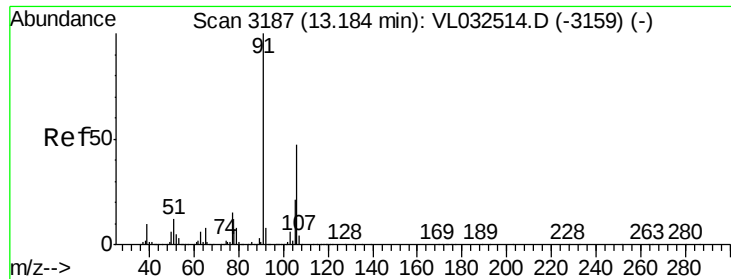
106 30.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 6.477 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

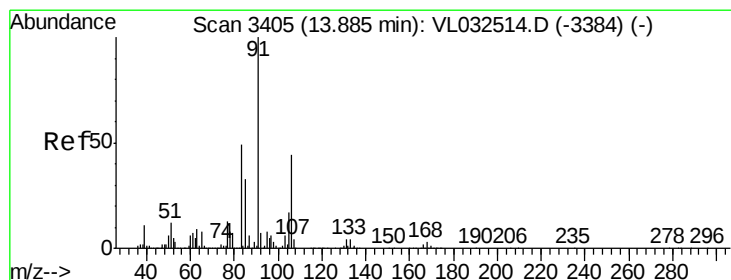
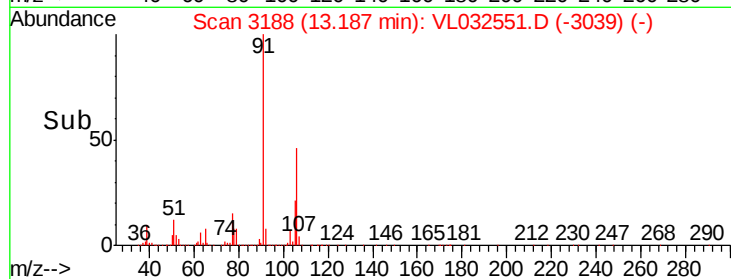
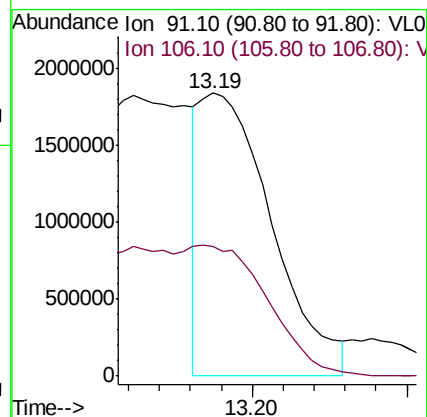
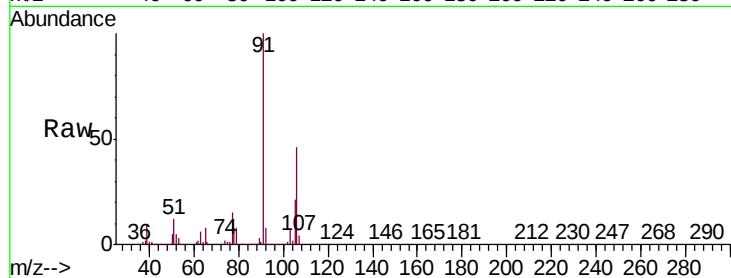
VL0927ABS01

Tgt Ion: 91 Resp: 2953365

Ion Ratio Lower Upper

91 100

106 114.1 36.6 55.0#



#60

o-Xylene

Concen: 8.292 ppbv

RT: 13.88 min Scan# 3405

Delta R.T. -0.02 min

Lab File: VL032551.D

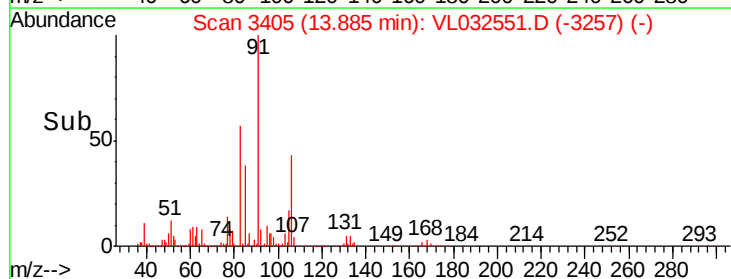
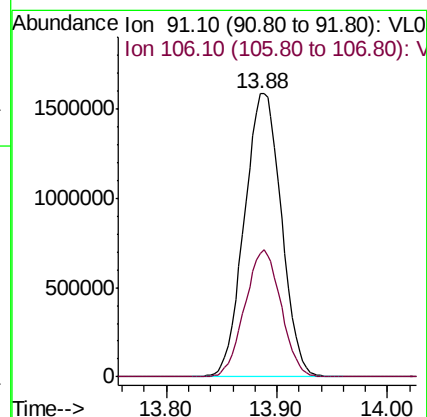
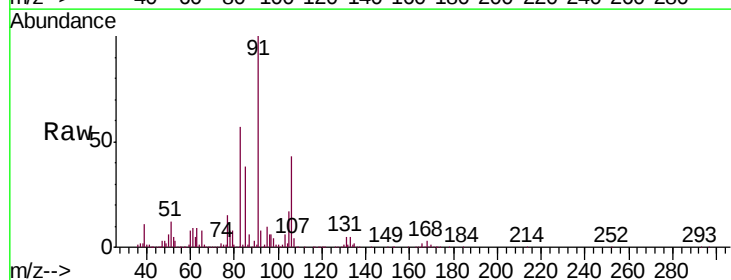
Acq: 27 Sep 2018 15:48

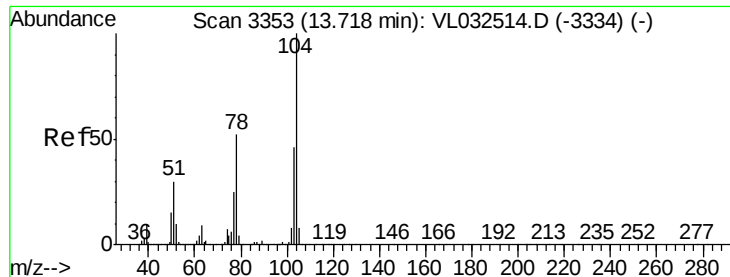
Tgt Ion: 91 Resp: 3681314

Ion Ratio Lower Upper

91 100

106 43.8 21.9 65.7





#61

Styrene

Concen: 9.215 ppbv

RT: 13.72 min Scan# 3354

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

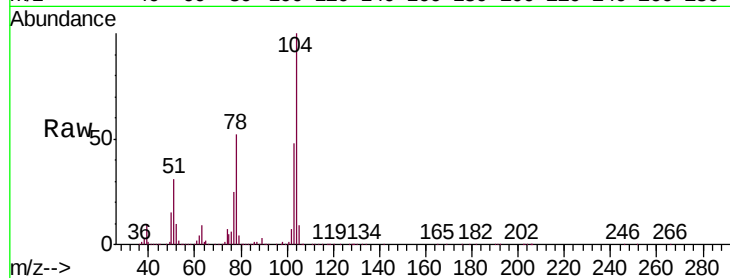
Tgt Ion:104 Resp: 2675937

Ion Ratio Lower Upper

104 100

78 53.0 41.8 62.8

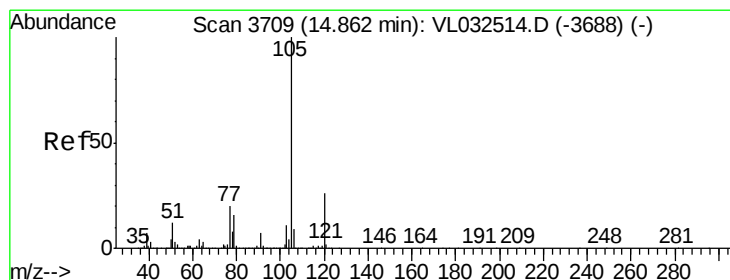
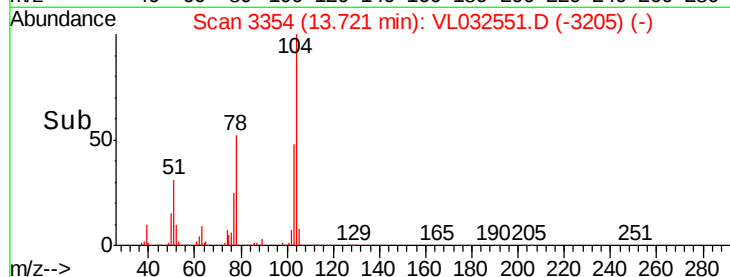
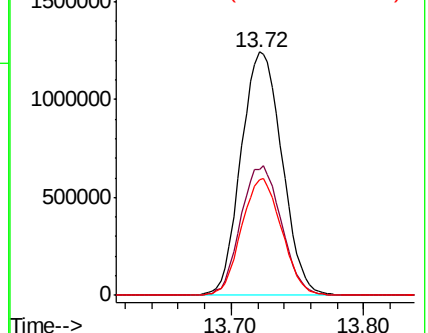
103 47.1 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.237 ppbv

RT: 14.86 min Scan# 3709

Delta R.T. -0.02 min

Lab File: VL032551.D

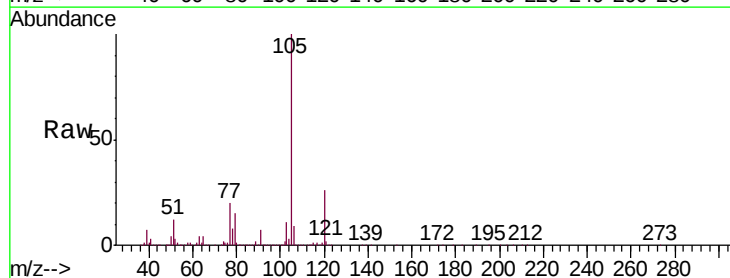
Acq: 27 Sep 2018 15:48

Tgt Ion:105 Resp: 5171486

Ion Ratio Lower Upper

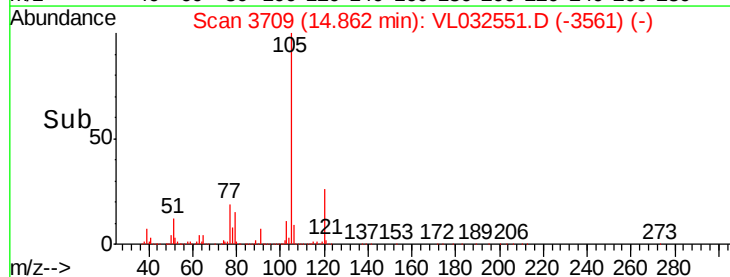
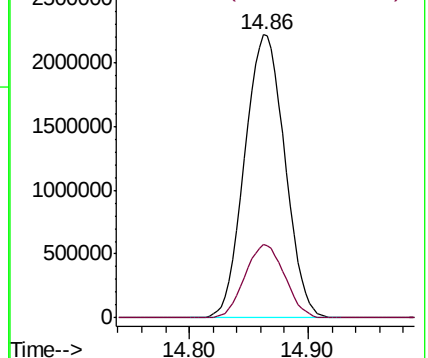
105 100

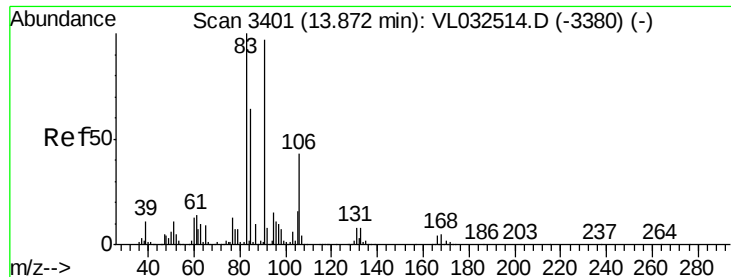
120 25.7 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

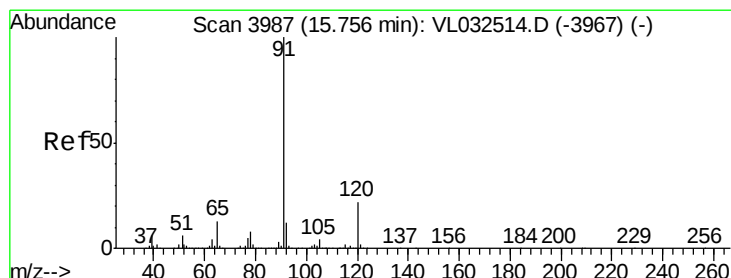
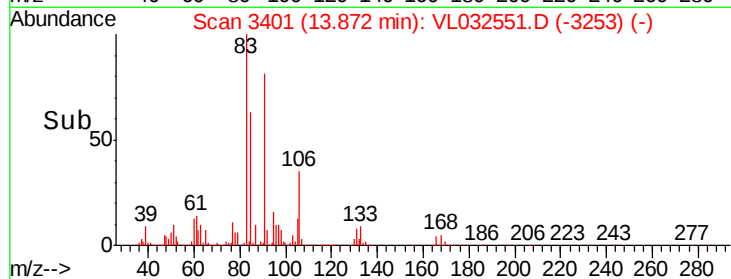
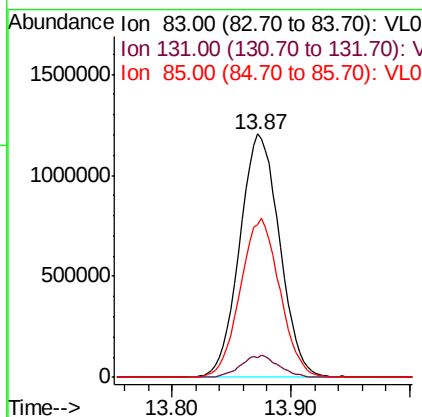
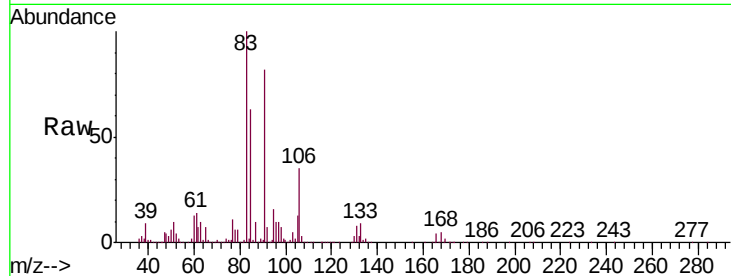




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.092 ppbv
 RT: 13.87 min Scan# 3401
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

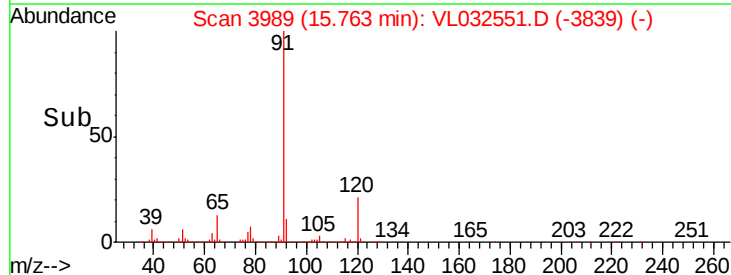
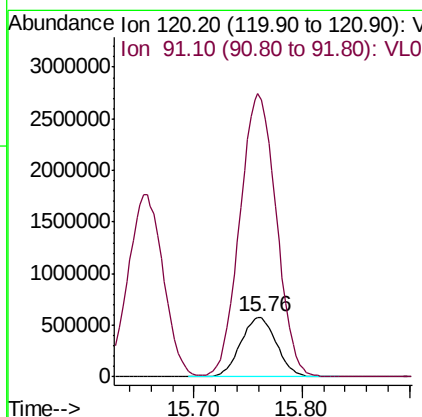
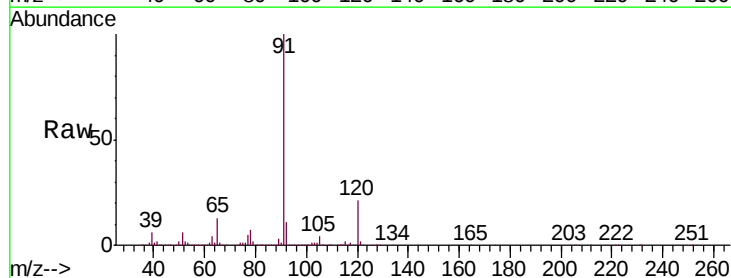
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

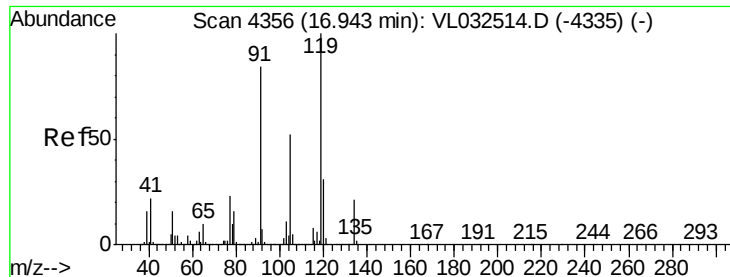
Tgt Ion: 83 Resp: 2796930
 Ion Ratio Lower Upper
 83 100
 131 8.6 4.3 12.8
 85 64.9 32.3 96.8



#64
 n-propylbenzene
 Concen: 8.271 ppbv
 RT: 15.76 min Scan# 3989
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 120 Resp: 1334058
 Ion Ratio Lower Upper
 120 100
 91 483.7 381.8 572.6

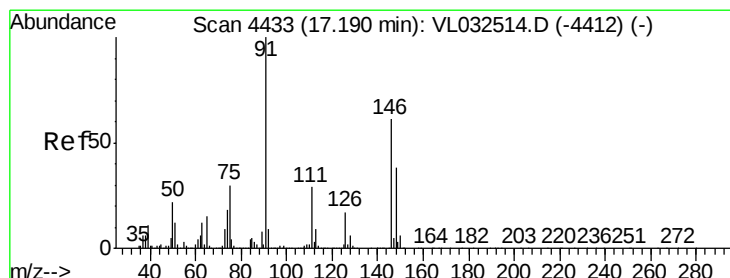
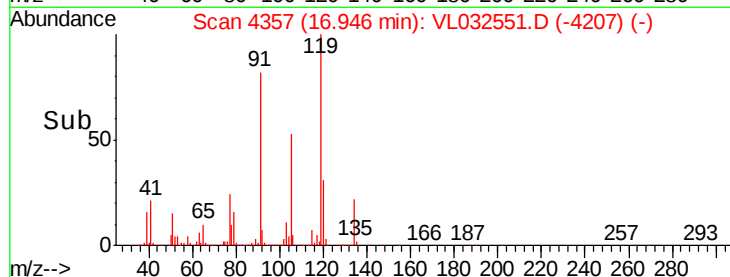
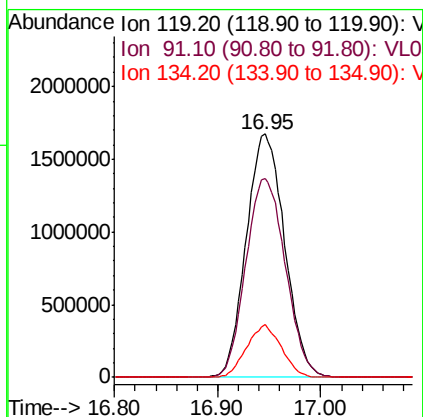
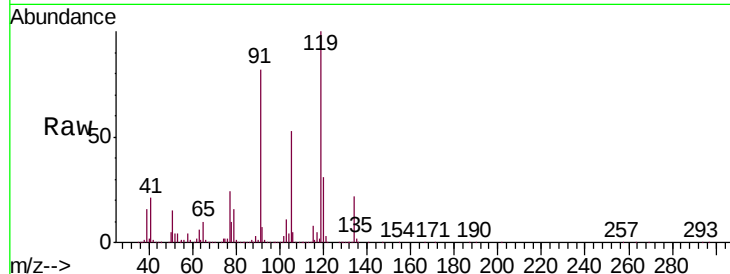




#65
 tert-Butylbenzene
 Concen: 8.041 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

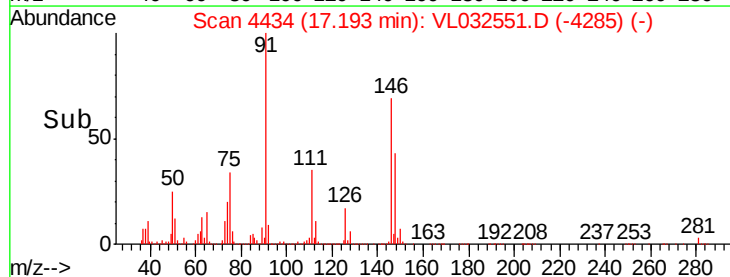
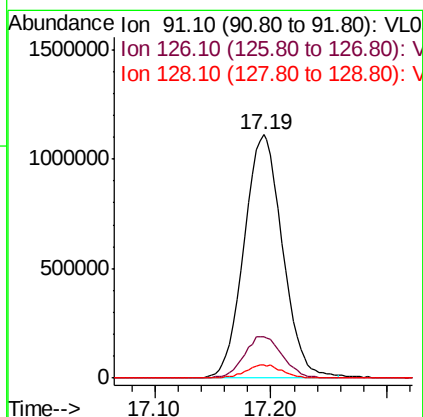
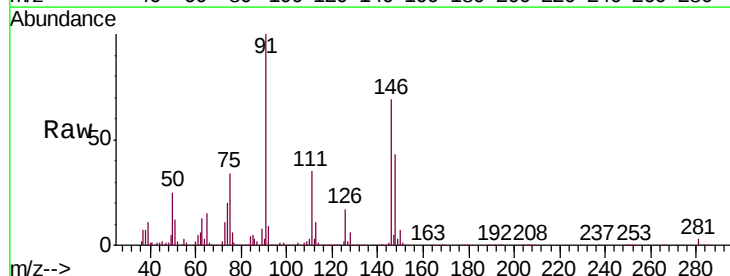
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

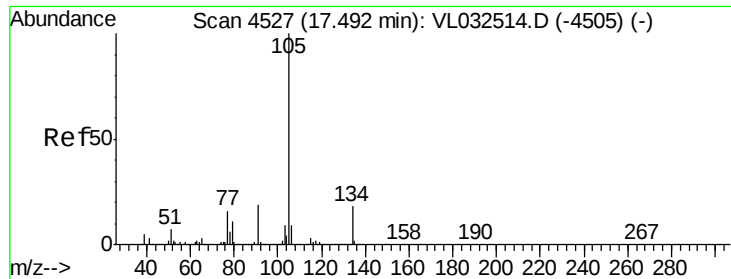
Tgt Ion: 119 Resp: 4326752
 Ion Ratio Lower Upper
 119 100
 91 84.2 66.5 99.7
 134 19.6 16.0 24.0



#66
 Benzyl Chloride
 Concen: 8.248 ppbv
 RT: 17.19 min Scan# 4434
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 91 Resp: 2558108
 Ion Ratio Lower Upper
 91 100
 126 17.3 13.8 20.8
 128 5.3 4.4 6.6

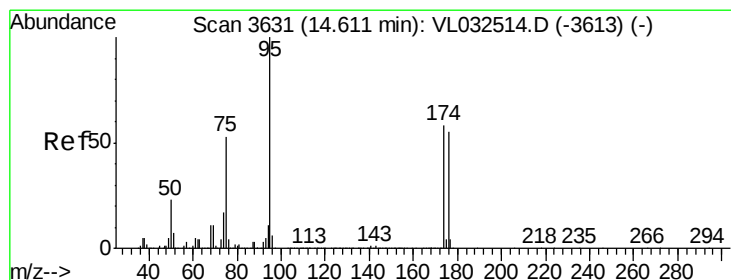
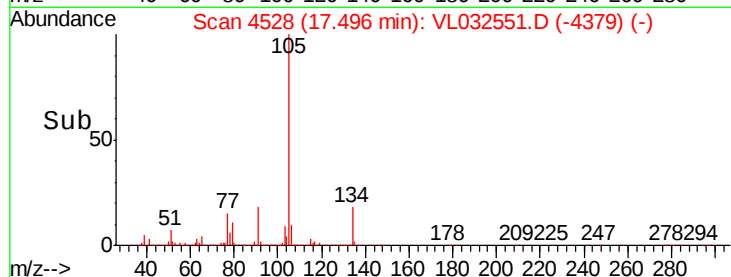
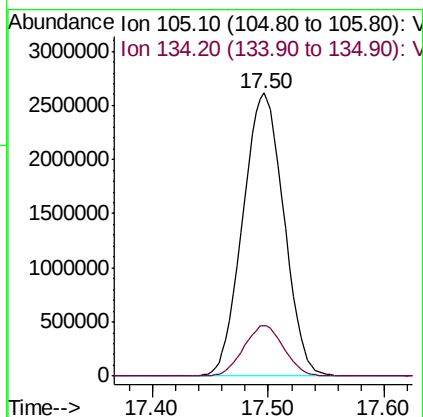
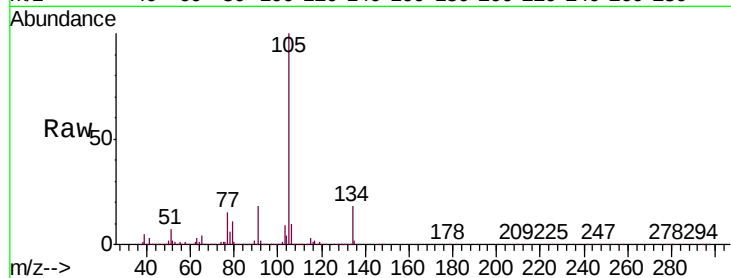




#67
 sec-Butylbenzene
 Concen: 8.026 ppbv
 RT: 17.50 min Scan# 4528
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

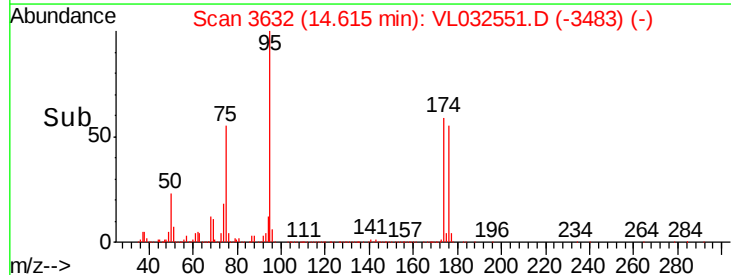
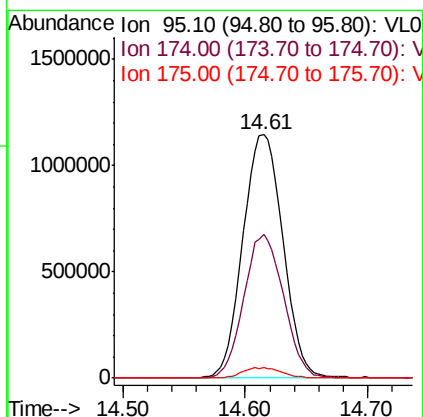
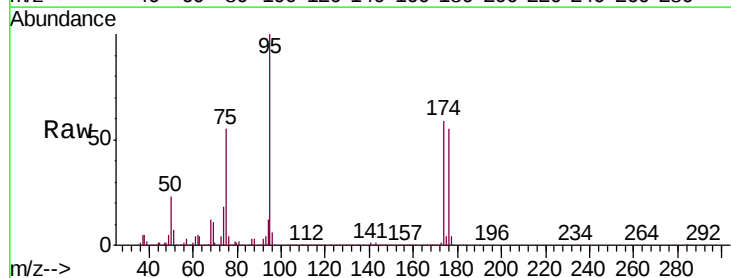
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

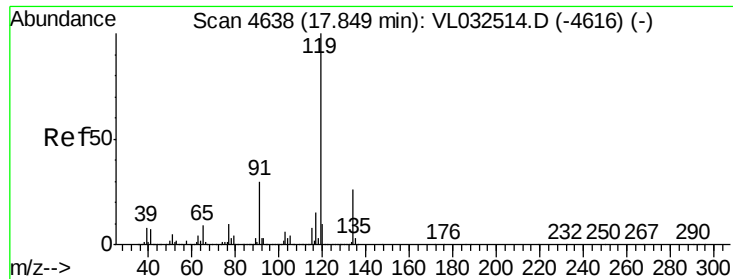
Tgt Ion: 105 Resp: 6421157
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.168 ppbv
 RT: 14.61 min Scan# 3632
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion: 95 Resp: 2602329
 Ion Ratio Lower Upper
 95 100
 174 58.6 46.3 69.5
 175 4.3 3.4 5.0

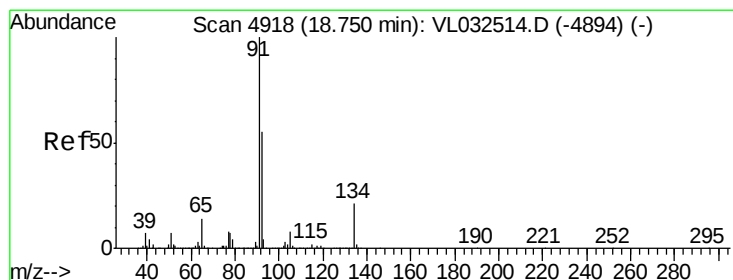
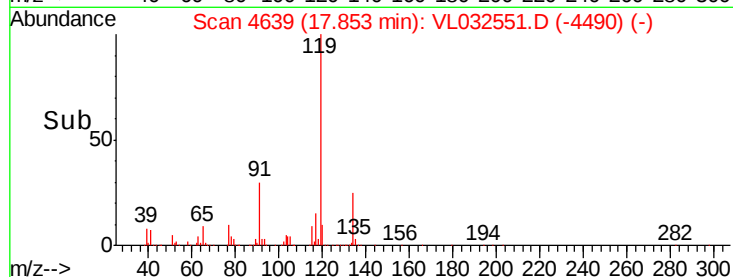
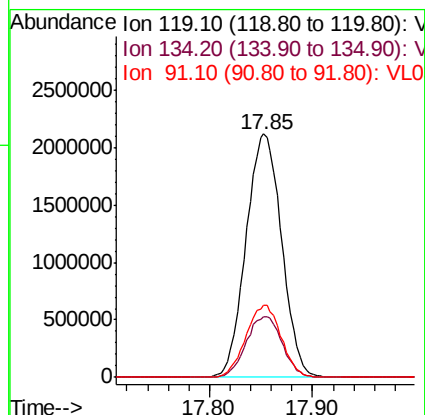
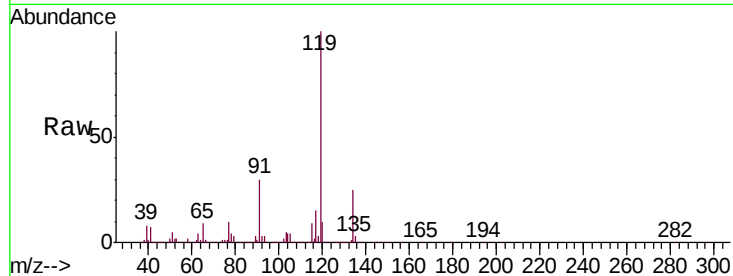




#69
p-Isopropyltoluene
Concen: 8.213 ppbv
RT: 17.85 min Scan# 4639
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

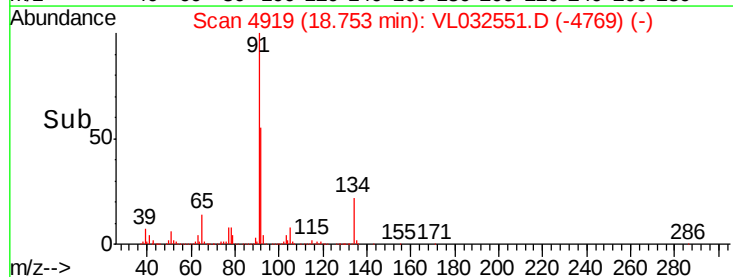
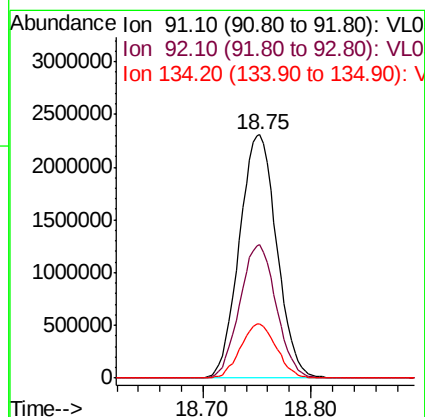
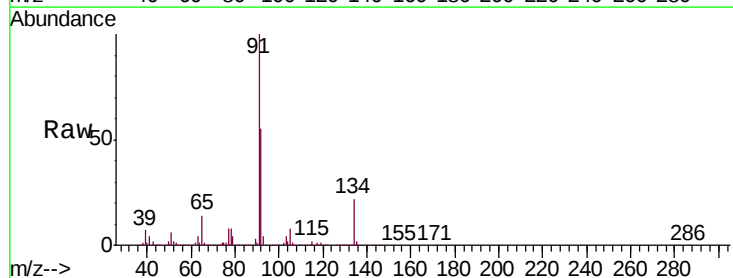
Instrument :
MSVOA_L
ClientSampleId :
VL0927ABS01

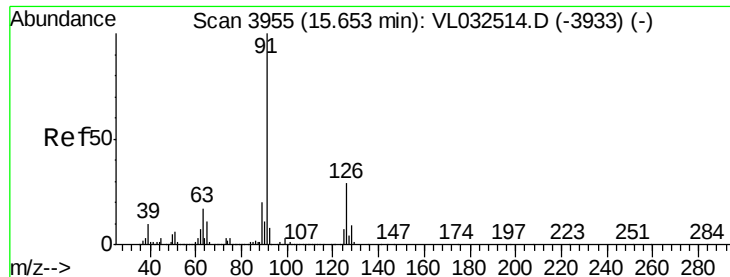
Tgt Ion: 119 Resp: 5075297
Ion Ratio Lower Upper
119 100
134 25.2 20.4 30.6
91 29.5 23.4 35.2



#70
n-Butylbenzene
Concen: 8.192 ppbv
RT: 18.75 min Scan# 4919
Delta R.T. -0.02 min
Lab File: VL032551.D
Acq: 27 Sep 2018 15:48

Tgt Ion: 91 Resp: 5529092
Ion Ratio Lower Upper
91 100
92 53.9 43.8 65.8
134 21.6 17.4 26.0





#71

2-Chlorotoluene

Concen: 8.417 ppbv

RT: 15.66 min Scan# 3956

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

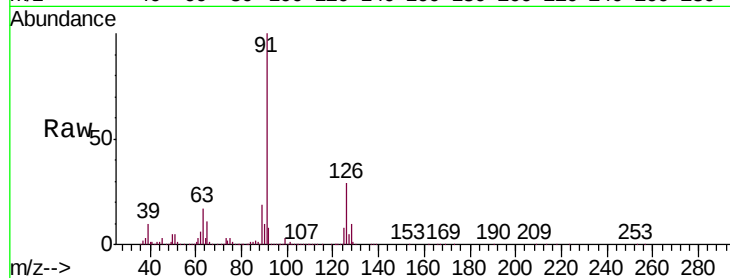
VL0927ABS01

Tgt Ion: 91 Resp: 4024828

Ion Ratio Lower Upper

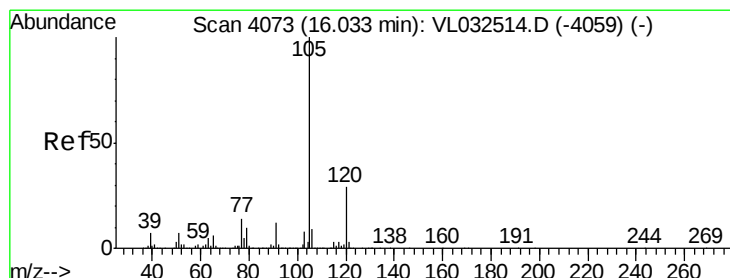
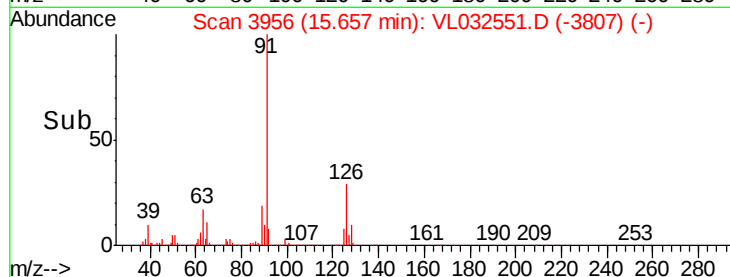
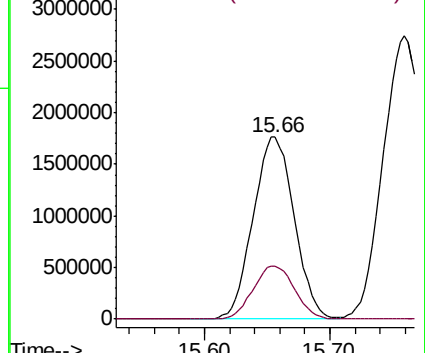
91 100

126 29.5 11.9 47.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.699 ppbv

RT: 16.04 min Scan# 4075

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Tgt Ion: 105 Resp: 4191370

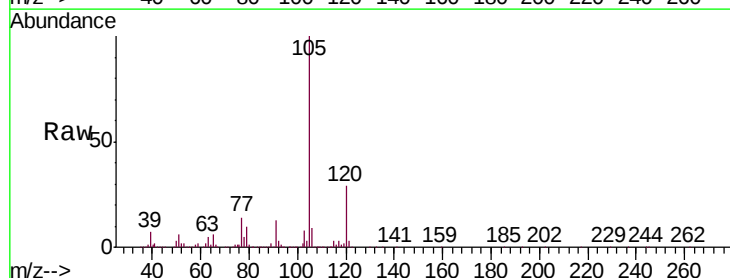
Ion Ratio Lower Upper

105 100

120 29.2 23.5 35.3

91 12.8 10.2 15.2

77 14.3 11.1 16.7

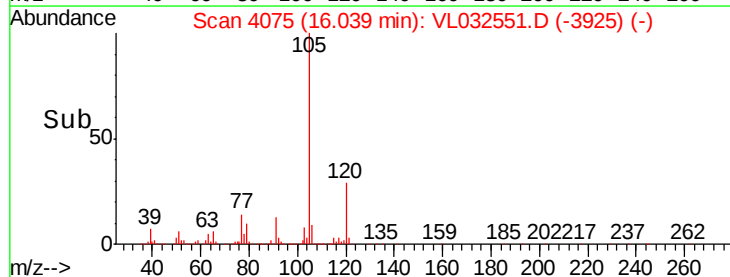
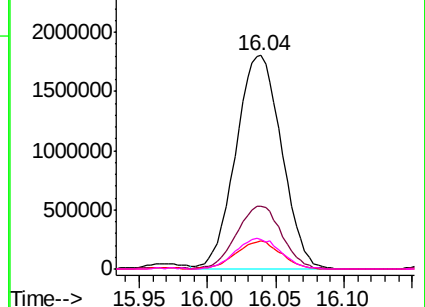


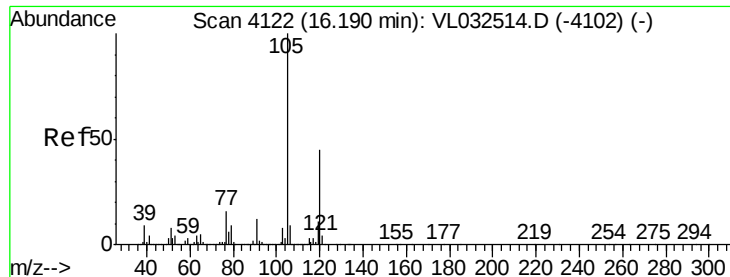
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

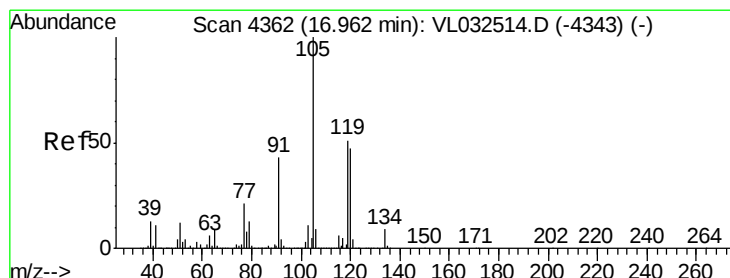
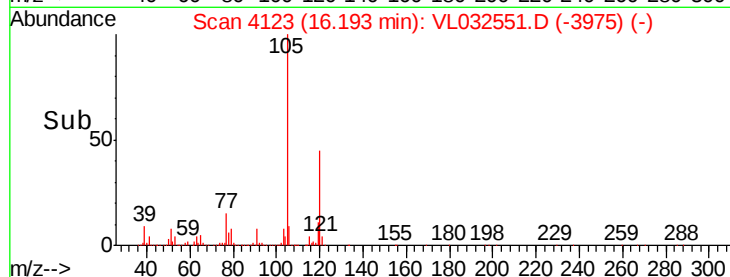
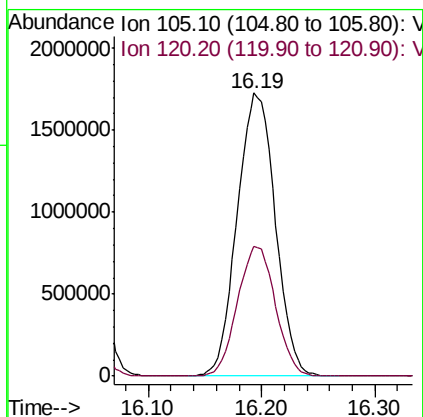
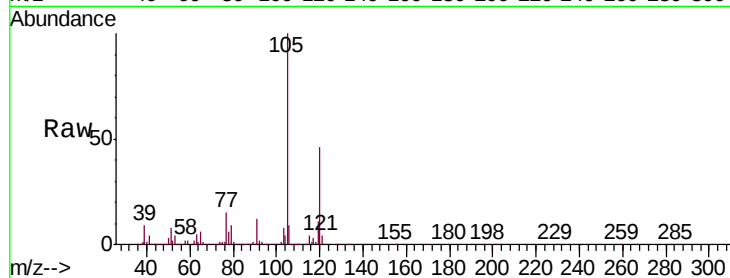




#73
 1,3,5-Trimethylbenzene
 Concen: 8.608 ppbv
 RT: 16.19 min Scan# 4123
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

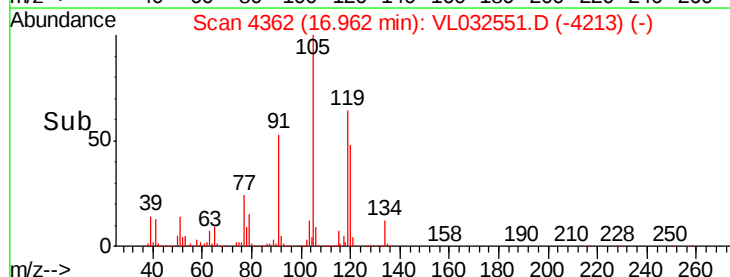
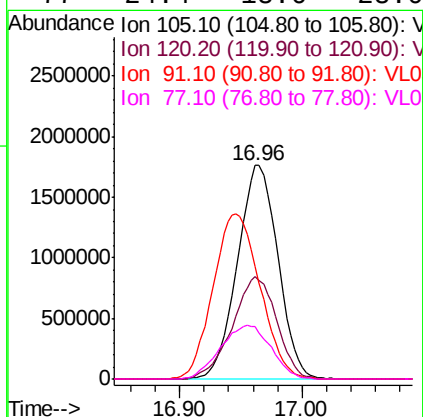
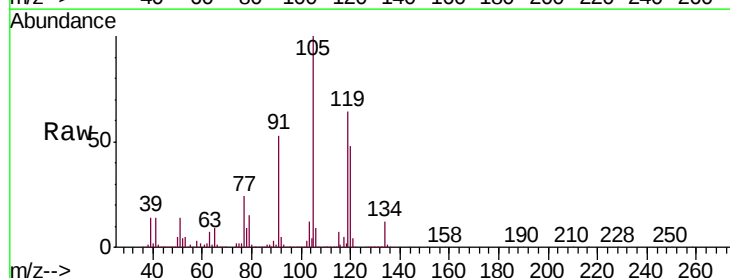
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0927ABS01

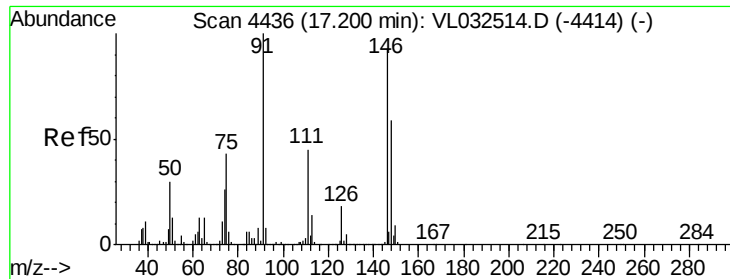
Tgt Ion:105 Resp: 4030705
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.9 56.9



#74
 1,2,4-Trimethylbenzene
 Concen: 8.021 ppbv
 RT: 16.96 min Scan# 4362
 Delta R.T. -0.02 min
 Lab File: VL032551.D
 Acq: 27 Sep 2018 15:48

Tgt Ion:105 Resp: 4044177
 Ion Ratio Lower Upper
 105 100
 120 47.6 37.8 56.8
 91 52.8 41.4 62.0
 77 24.4 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 7.186 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

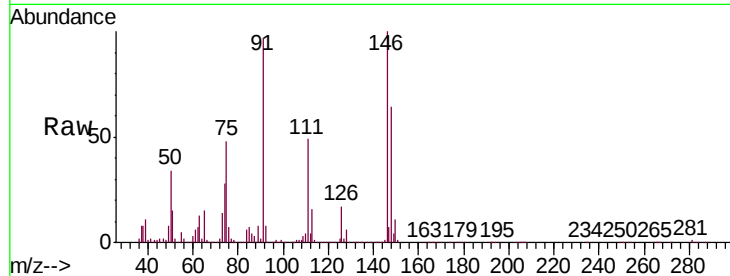
Tgt Ion:146 Resp: 2235666

Ion Ratio Lower Upper

146 100

111 49.3 24.5 73.5

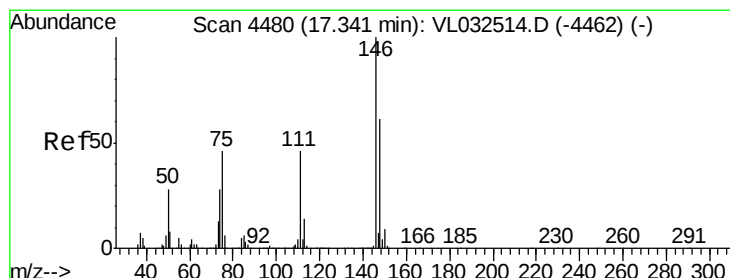
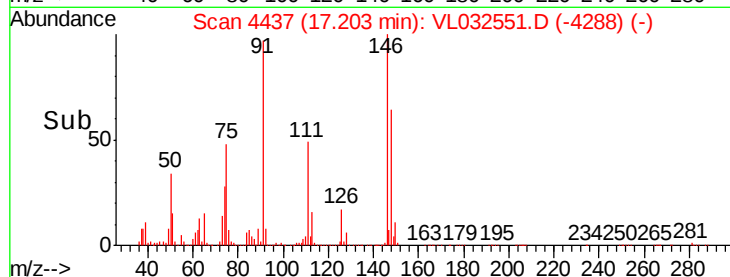
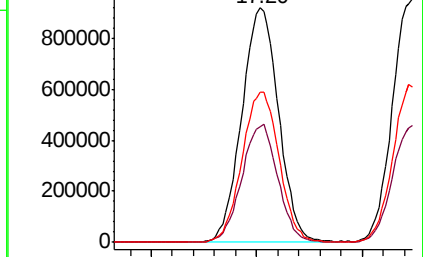
148 64.7 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.816 ppbv

RT: 17.35 min Scan# 4482

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

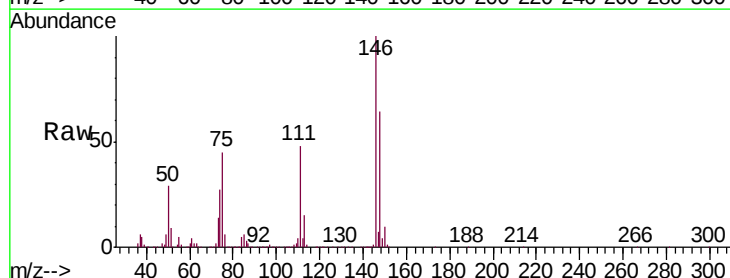
Tgt Ion:146 Resp: 2226692

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.2

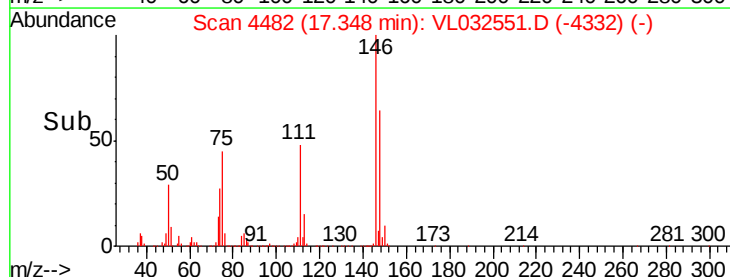
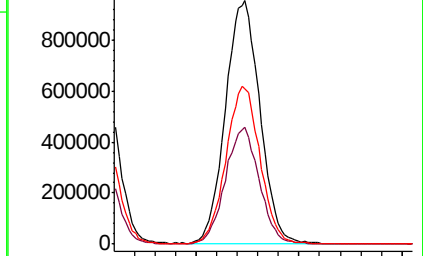
148 64.0 32.0 96.2

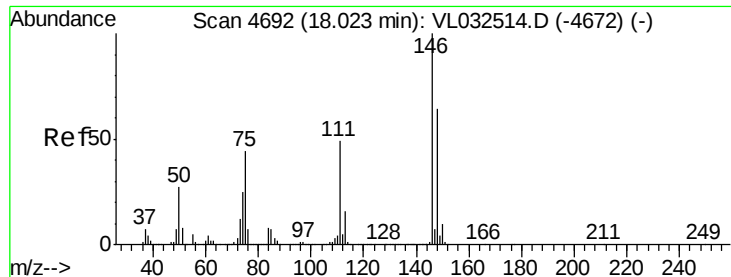


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.536 ppbv

RT: 18.03 min Scan# 4693

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

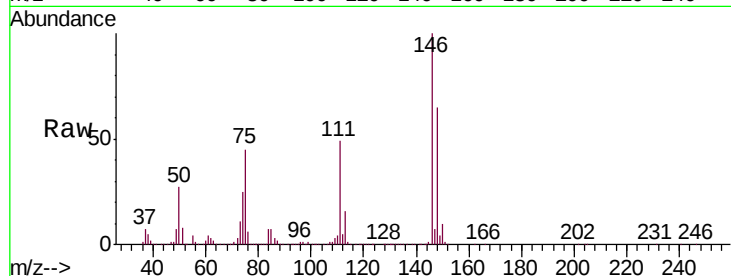
Tgt Ion:146 Resp: 2205107

Ion Ratio Lower Upper

146 100

111 49.8 24.9 74.8

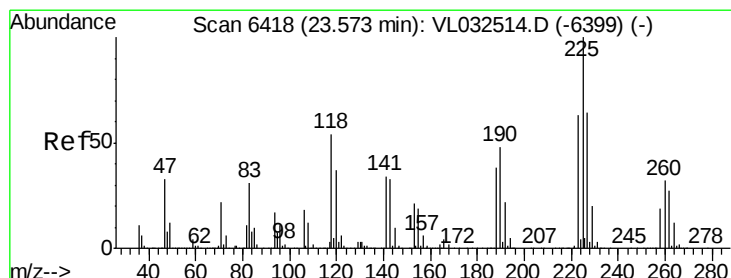
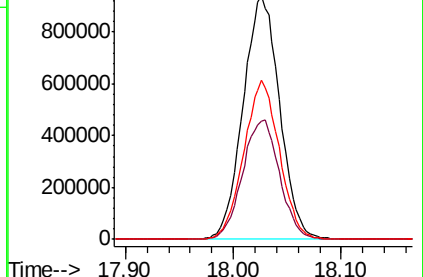
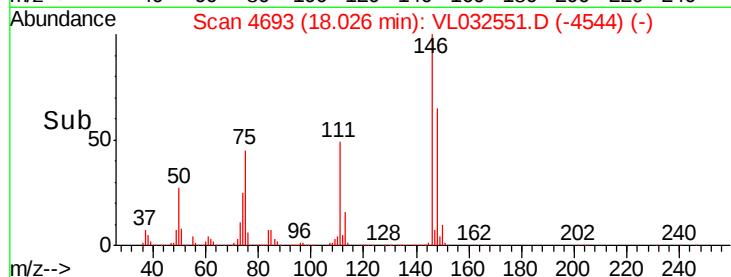
148 64.0 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.616 ppbv

RT: 23.58 min Scan# 6419

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

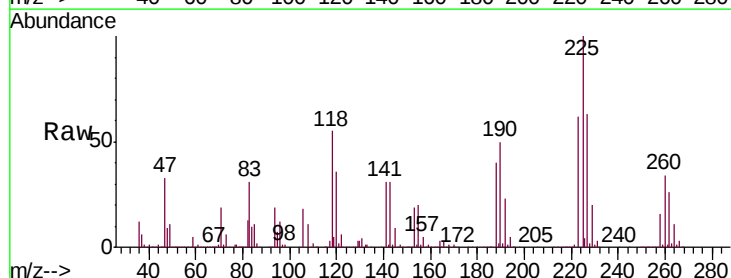
Tgt Ion:225 Resp: 726487

Ion Ratio Lower Upper

225 100

223 63.3 50.6 76.0

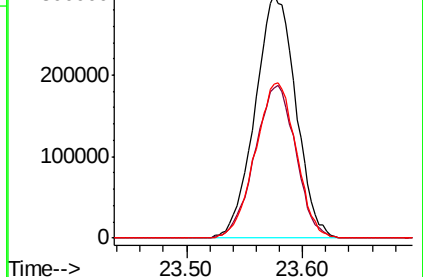
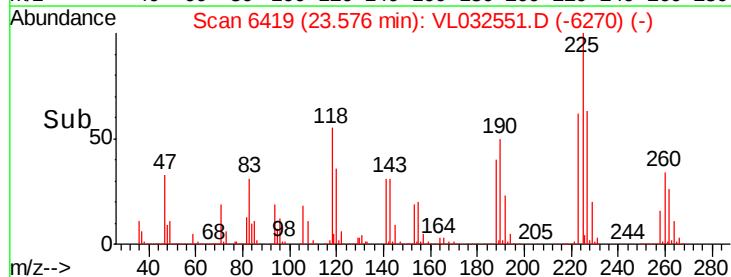
227 64.4 51.2 76.8

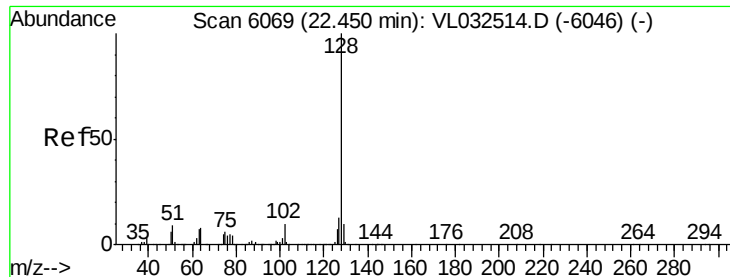


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.626 ppbv

RT: 22.46 min Scan# 6071

Delta R.T. -0.02 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

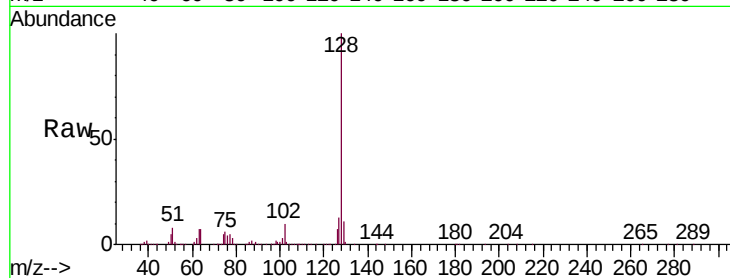
Tgt Ion:128 Resp: 3500428

Ion Ratio Lower Upper

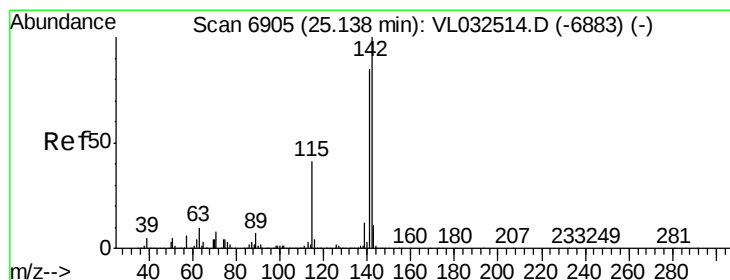
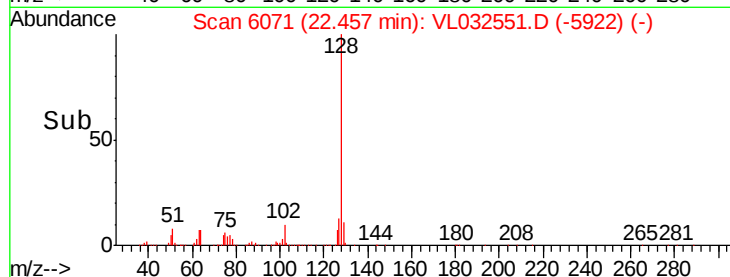
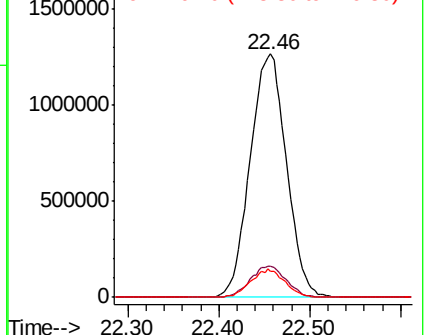
128 100

127 12.6 10.2 15.2

129 10.8 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: 12.230 ppbv

RT: 25.14 min Scan# 6906

Delta R.T. -0.01 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

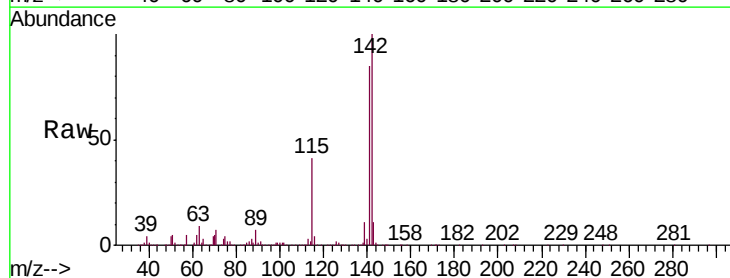
Tgt Ion:142 Resp: 1044150

Ion Ratio Lower Upper

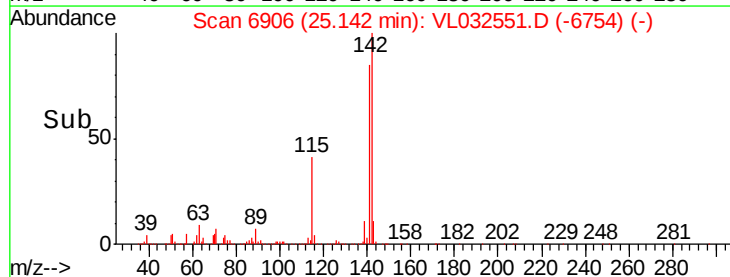
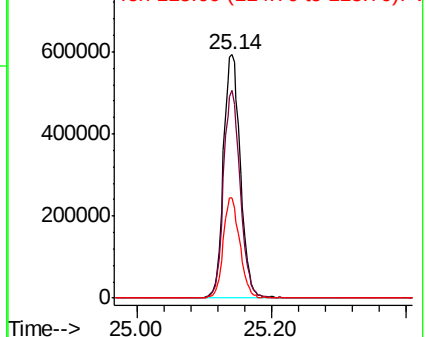
142 100

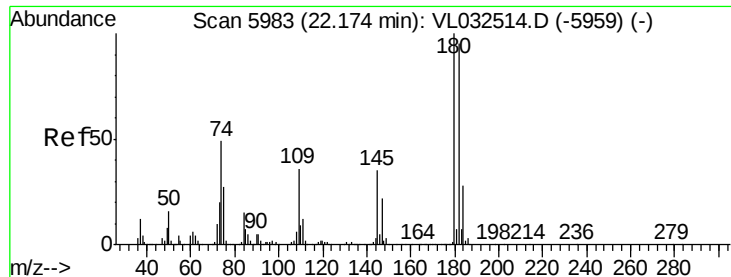
141 83.9 67.0 100.6

115 40.4 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





#81

1,2,4-Trichlorobenzene

Concen: 8.817 ppbv

RT: 22.18 min Scan# 5984

Delta R.T. -0.03 min

Lab File: VL032551.D

Acq: 27 Sep 2018 15:48

Instrument :

MSVOA_L

ClientSampleId :

VL0927ABS01

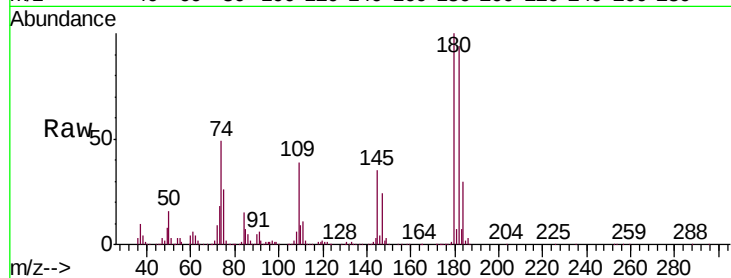
Tgt Ion:180 Resp: 1643358

Ion Ratio Lower Upper

180 100

182 95.6 76.1 114.1

184 30.5 23.8 35.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

