

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
 Data File : VL032523.D
 Acq On : 25 Sep 2018 00:17
 Operator : SY/AP
 Sample : VL0924ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Quant Time: Sep 25 05:34:53 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	1441818	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3581440	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	4535444	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2793047	8.17	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	1814613	13.607	ppbv	100
3) Chlorodifluoromethane	3.03	51	1211719	10.106	ppbv	100
4) Chloromethane	3.19	50	699807	10.009	ppbv	99
5) Vinyl Chloride	3.31	62	680738	9.636	ppbv	99
6) Bromomethane	3.53	94	403610	10.447	ppbv	99
7) Chloroethane	3.62	64	272099	10.810	ppbv	99
8) Dichlorotetrafluoroethane	3.24	85	1515977	10.404	ppbv	100
9) Propene	3.05	41	551217	10.596	ppbv	99
10) Heptane	8.28	43	2082068	10.911	ppbv	99
11) Trichlorofluoromethane	4.02	101	1649672	10.406	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.58	101	1318854	10.177	ppbv	98
13) Ethanol	3.67	45	132040	8.444	ppbv	94
14) Bromoethene	3.81	108	504247	10.966	ppbv	99
15) Acetone	3.92	43	1226308	9.690	ppbv	100
16) 1,3-Butadiene	3.38	39	589069	11.477	ppbv	94
17) tert-Butyl alcohol	4.38	59	165993	10.437	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	632464	10.421	ppbv	95
19) Isopropyl Alcohol	4.04	45	881941	10.005	ppbv	99
20) Methylene Chloride	4.43	84	566498	9.243	ppbv	97
21) Allyl Chloride	4.50	41	1083767	10.478	ppbv	100
22) trans-1,2-Dichloroethene	4.99	96	604783	10.574	ppbv	97
23) Vinyl Acetate	5.18	43	2431301	10.872	ppbv	99
24) 1,1-Dichloroethane	5.12	63	1883117	10.112	ppbv	99
25) Ethyl Acetate	5.80	43	2896994	9.433	ppbv	100
26) Hexane	5.81	57	1346038	9.704	ppbv	99
27) Carbon Disulfide	4.64	76	1629132	10.925	ppbv	98
28) Methyl tert-Butyl Ether	5.14	73	1934146	11.193	ppbv	98
29) Chloroform	5.88	83	2054470	9.653	ppbv	98
30) Cyclohexane	7.28	84	1282396	11.354	ppbv	98
31) cis-1,2-Dichloroethene	5.67	61	1416255	10.720	ppbv	97
32) 1,1,1-Trichloroethane	6.65	97	2068271	9.119	ppbv	98
34) 2-Butanone	5.35	43	2089343	9.797	ppbv	100
35) Carbon Tetrachloride	7.16	117	2280584	9.164	ppbv	99
36) Benzene	7.04	78	2832037	9.785	ppbv	99
37) 1,2-Dichloroethane	6.44	62	1649681	9.458	ppbv	99
38) Trichloroethene	7.99	130	1124077	10.146	ppbv	98
39) 1,2-Dichloropropane	7.77	63	1250853	9.590	ppbv	99
40) 1,4-Dioxane	7.99	88	410345	10.260	ppbv	88
41) Tetrahydrofuran	6.17	42	1195749	10.320	ppbv	98
42) Bromodichloromethane	7.95	83	2579332	9.870	ppbv	98
43) Methyl Methacrylate	8.17	69	1289178	10.662	ppbv	99

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Instrument :
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Quant Time: Sep 25 05:34:53 2018
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5596501	9.894	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1735001	11.536	ppbv	98
46) cis-1,3-Dichloropropene	8.87	75	1712720	9.709	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1388963	9.588	ppbv	99
48) Dibromochloromethane	10.49	129	2280345	10.011	ppbv	100
49) Bromoform	13.24	173	1756503	10.091	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	2960818	8.832	ppbv	100
51) 2-Hexanone	10.30	43	2935190	10.586	ppbv #	99
52) Tetrachloroethene	11.41	164	977040	9.695	ppbv	99
53) Toluene	9.98	91	3851633	10.920	ppbv	100
54) 1,2-Dibromoethane	10.79	107	2066588	10.030	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.31	131	1534485	7.527	ppbv #	60
57) Chlorobenzene	12.34	112	2681970	7.341	ppbv	99
58) Ethyl Benzene	12.90	91	4801239	8.727	ppbv	97
59) m/p-Xylene	13.19	91	3954437	8.079	ppbv #	32
60) o-Xylene	13.88	91	3902252	8.188	ppbv	100
61) Styrene	13.72	104	2855590	9.160	ppbv	99
62) Isopropylbenzene	14.86	105	5462197	8.104	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.87	83	2960445	6.992	ppbv	99
64) n-propylbenzene	15.76	120	1422573	8.216	ppbv	98
65) tert-Butylbenzene	16.94	119	4601359	7.966	ppbv	100
66) Benzyl Chloride	17.19	91	2736179	8.218	ppbv	100
67) sec-Butylbenzene	17.50	105	6812188	7.932	ppbv	100
69) p-Isopropyltoluene	17.85	119	5424976	8.178	ppbv	100
70) n-Butylbenzene	18.75	91	5932234	8.187	ppbv	99
71) 2-Chlorotoluene	15.65	91	4270873	8.320	ppbv	100
72) 4-Ethyltoluene	16.04	105	4476296	8.654	ppbv	99
73) 1,3,5-Trimethylbenzene	16.19	105	4275784	8.506	ppbv	96
74) 1,2,4-Trimethylbenzene	16.96	105	4321239	7.983	ppbv	95
75) 1,3-Dichlorobenzene	17.20	146	2381311	7.130	ppbv	100
76) 1,4-Dichlorobenzene	17.34	146	2385812	7.801	ppbv	99
77) 1,2-Dichlorobenzene	18.03	146	2360463	7.515	ppbv	100
78) Hexachloro-1,3-Butadiene	23.58	225	761971	6.464	ppbv	99
79) Naphthalene	22.45	128	3741039	9.583	ppbv	98
80) Naphthalene,2-methyl-	25.14	142	1178794	12.862	ppbv	99
81) 1,2,4-Trichlorobenzene	22.17	180	1775986	8.876	ppbv	99

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

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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

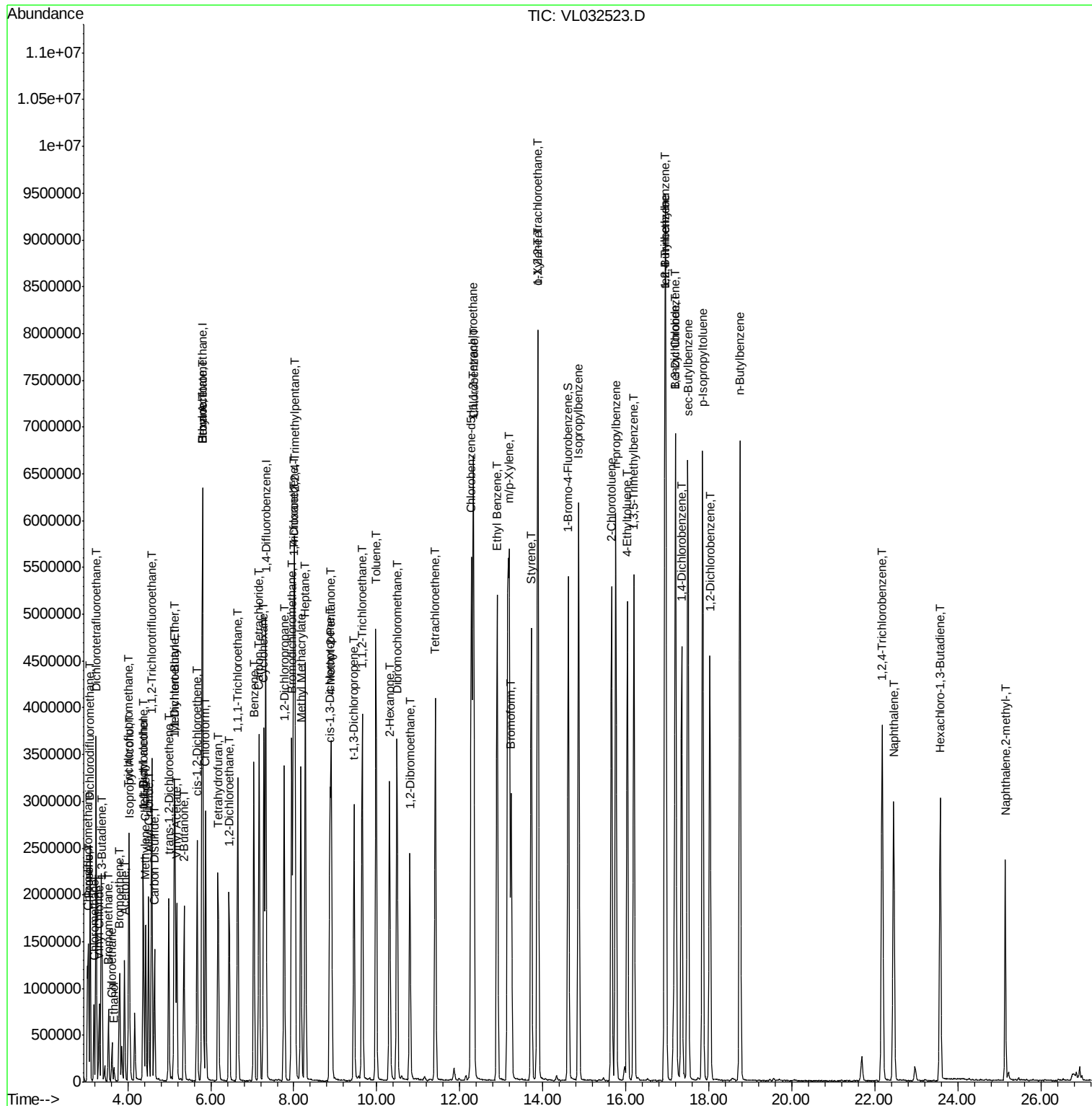
Quant Time: Sep 25 05:34:53 2018

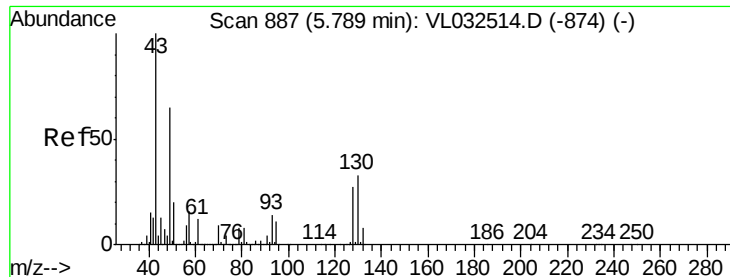
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

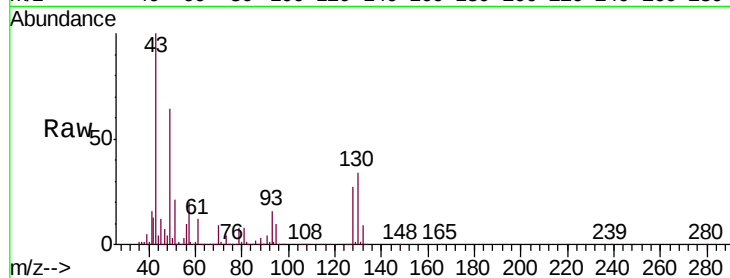
Tgt Ion: 49 Resp: 1441818

Ion Ratio Lower Upper

49 100

128 42.9 20.7 62.1

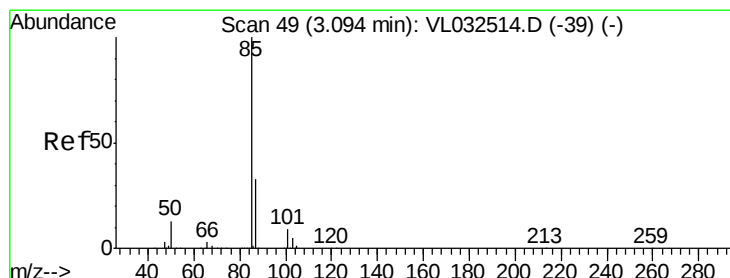
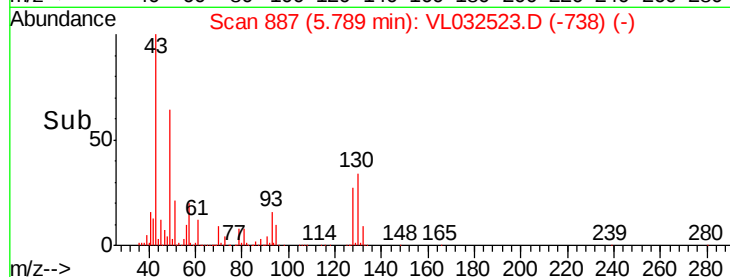
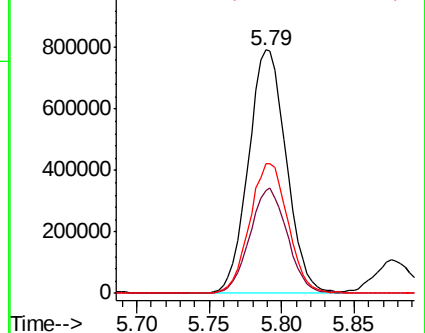
130 54.6 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 13.607 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032523.D

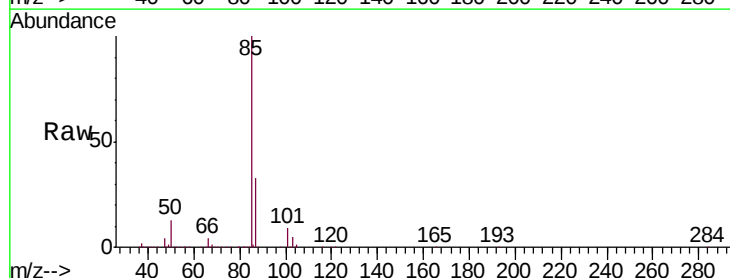
Acq: 25 Sep 2018 00:17

Tgt Ion: 85 Resp: 1814613

Ion Ratio Lower Upper

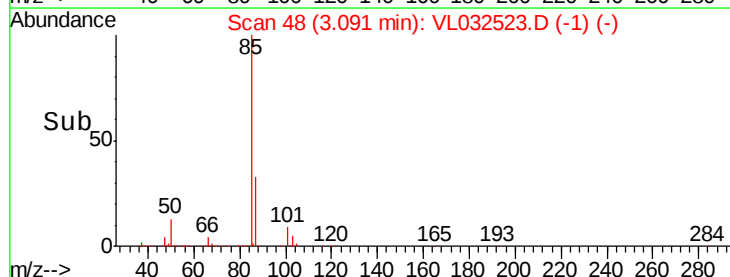
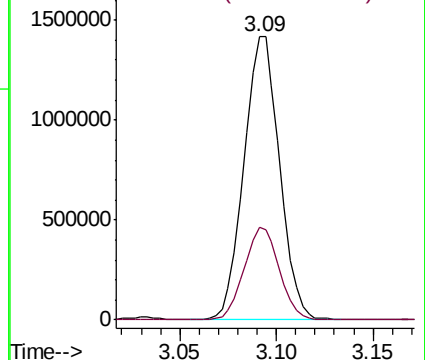
85 100

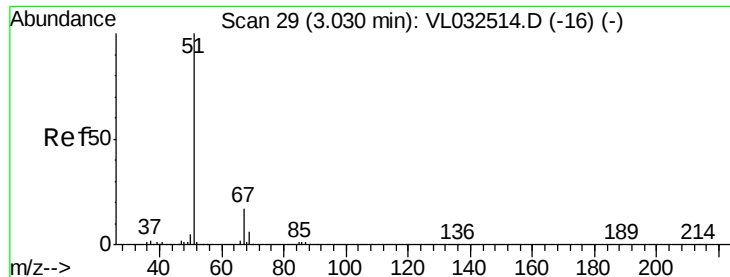
87 32.9 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.106 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

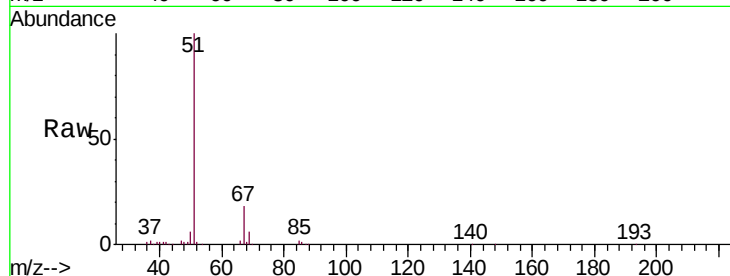
VL0924ABS01

Tgt Ion: 51 Resp: 1211719

Ion Ratio Lower Upper

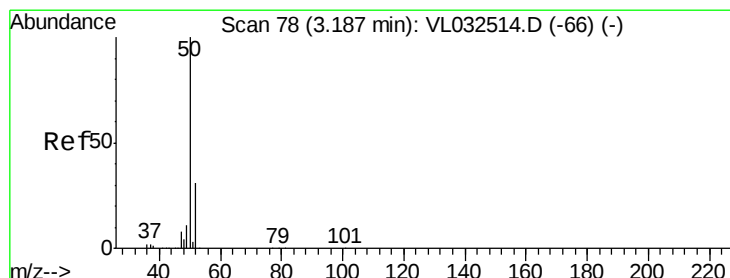
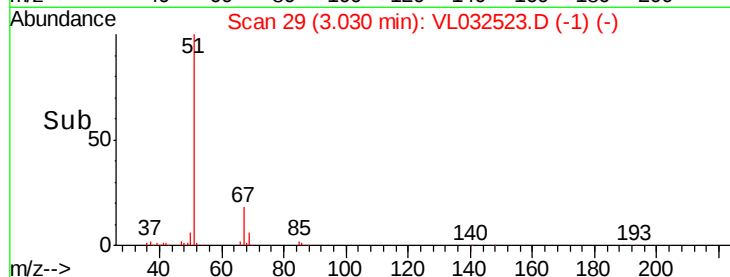
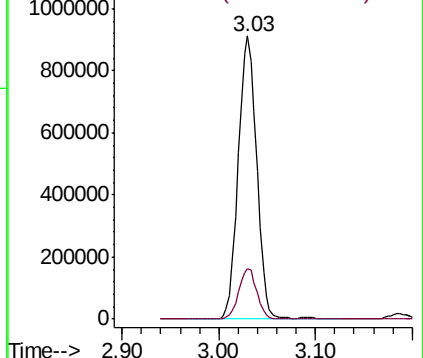
51 100

67 17.4 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: 10.009 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032523.D

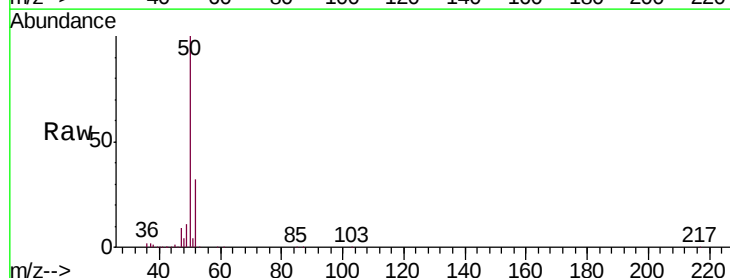
Acq: 25 Sep 2018 00:17

Tgt Ion: 50 Resp: 699807

Ion Ratio Lower Upper

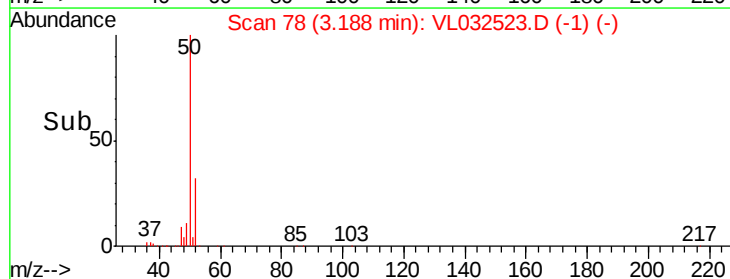
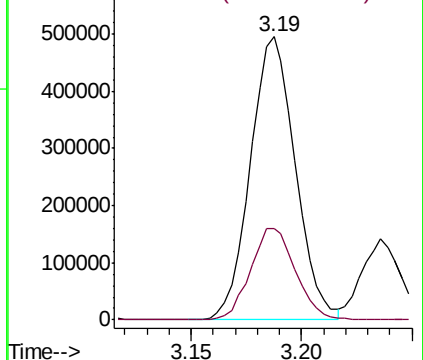
50 100

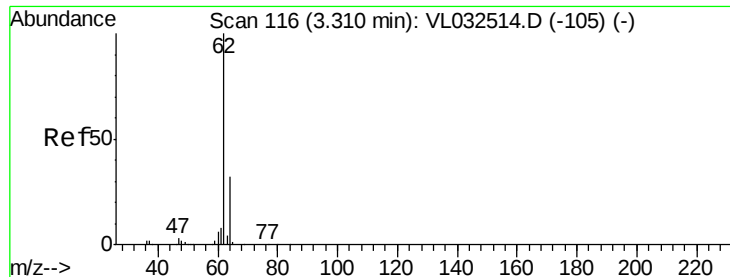
52 32.5 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.636 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

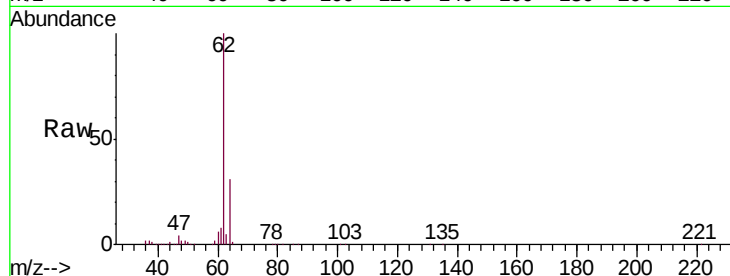
VL0924ABS01

Tgt Ion: 62 Resp: 680738

Ion Ratio Lower Upper

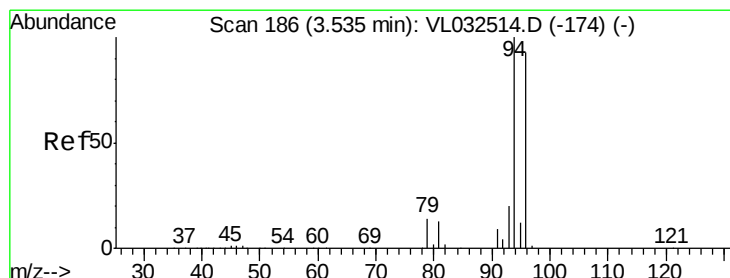
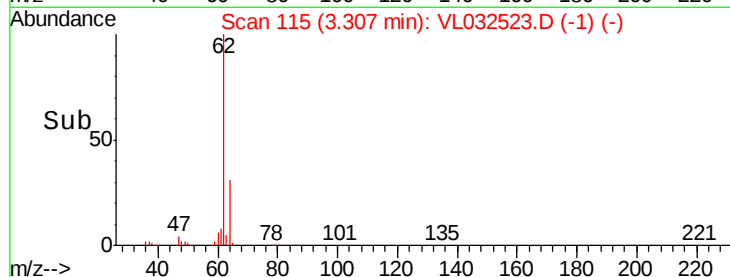
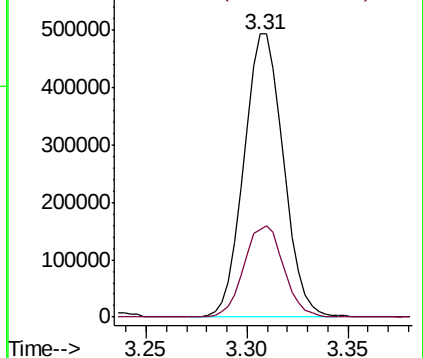
62 100

64 30.7 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: 10.447 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032523.D

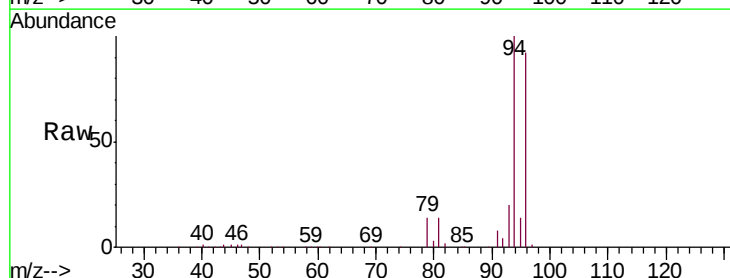
Acq: 25 Sep 2018 00:17

Tgt Ion: 94 Resp: 403610

Ion Ratio Lower Upper

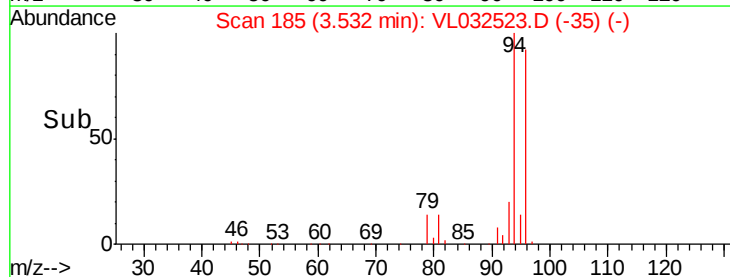
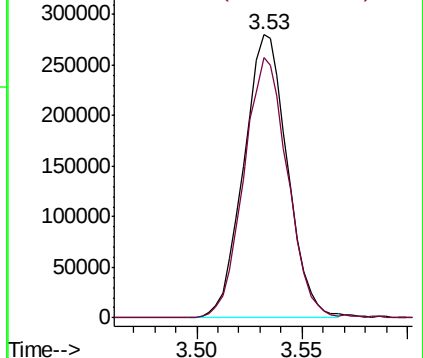
94 100

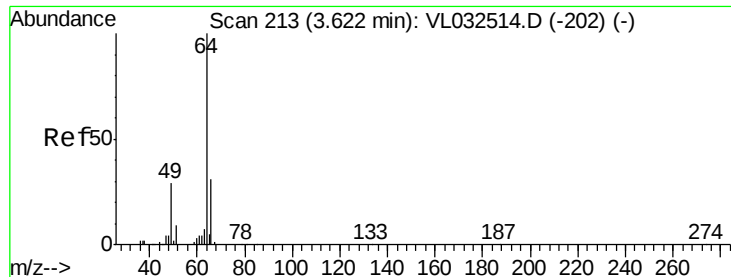
96 91.8 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.810 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

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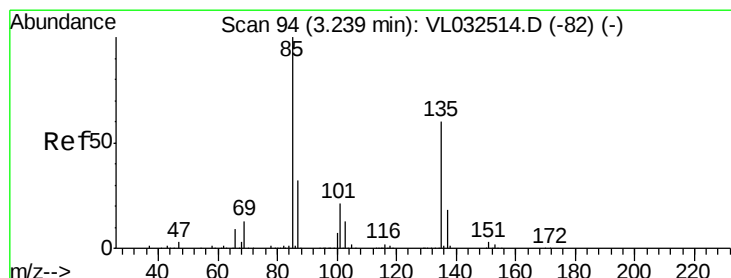
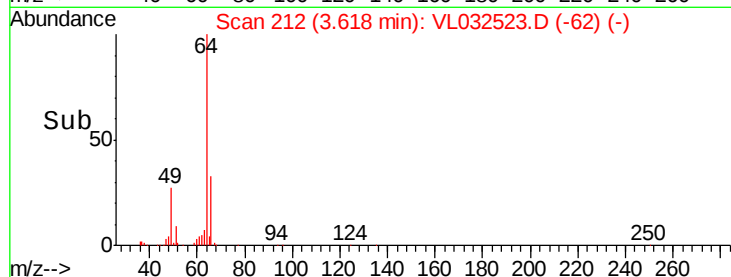
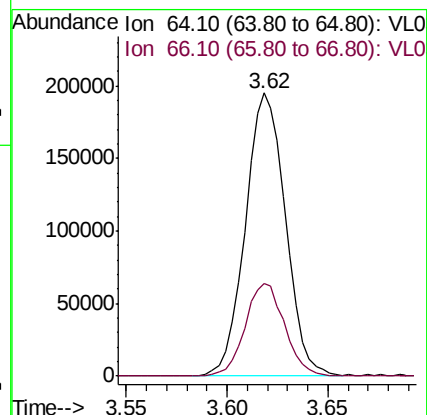
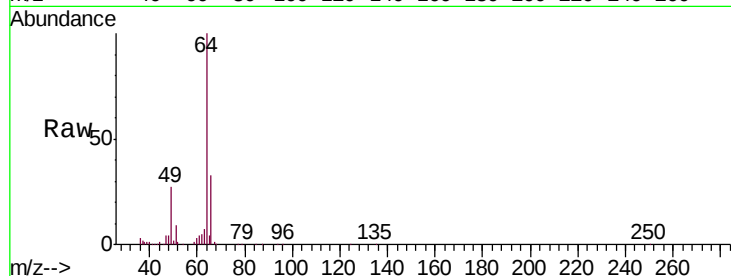
VL0924ABS01

Tgt Ion: 64 Resp: 272099

Ion Ratio Lower Upper

64 100

66 32.8 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 10.404 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032523.D

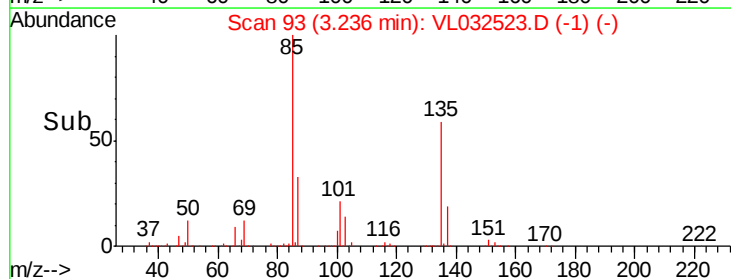
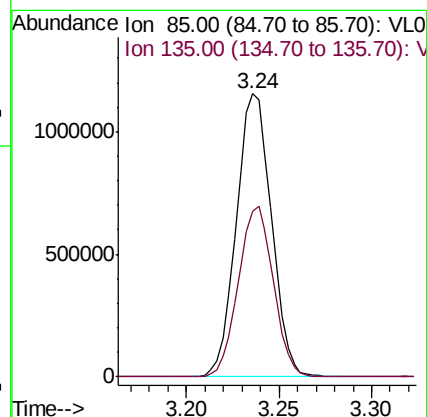
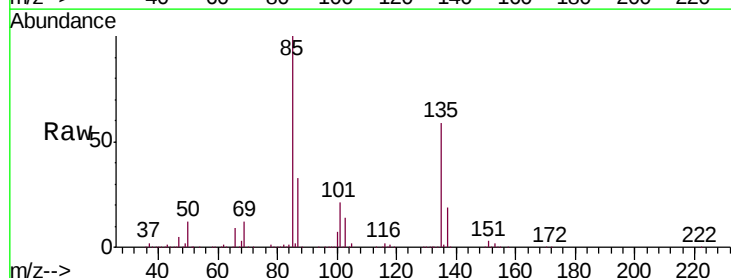
Acq: 25 Sep 2018 00:17

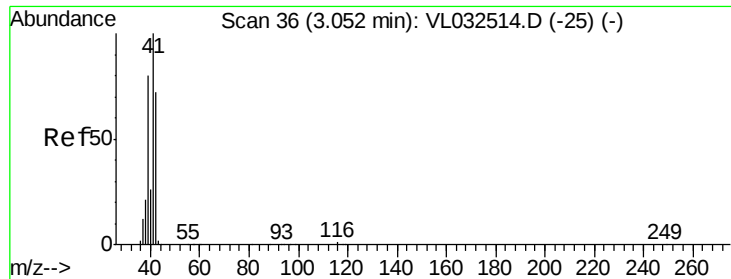
Tgt Ion: 85 Resp: 1515977

Ion Ratio Lower Upper

85 100

135 60.3 48.6 72.8





#9

Propene

Concen: 10.596 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

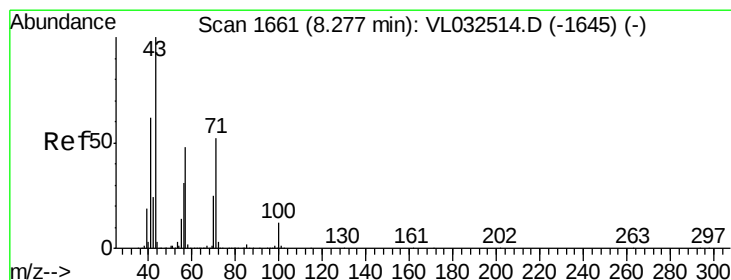
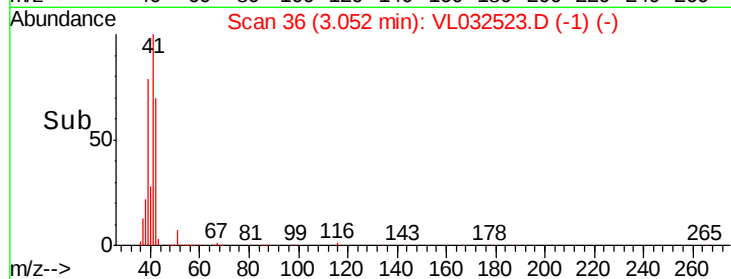
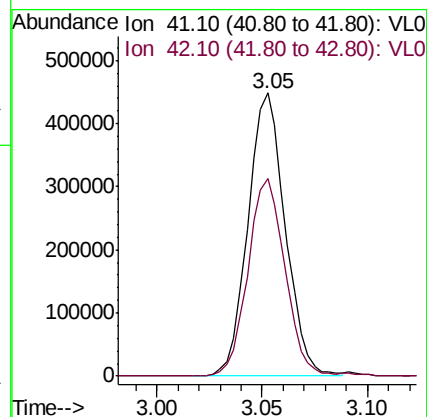
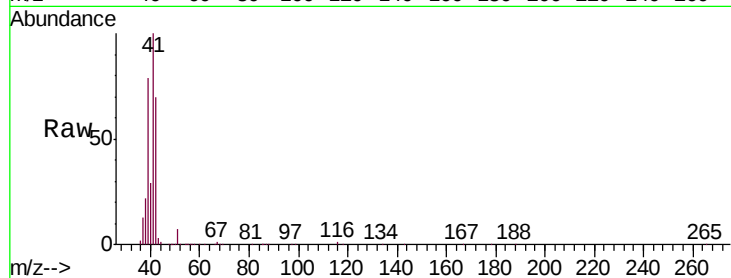
VL0924ABS01

Tgt Ion: 41 Resp: 551217

Ion Ratio Lower Upper

41 100

42 70.0 56.6 84.8



#10

Heptane

Concen: 10.911 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032523.D

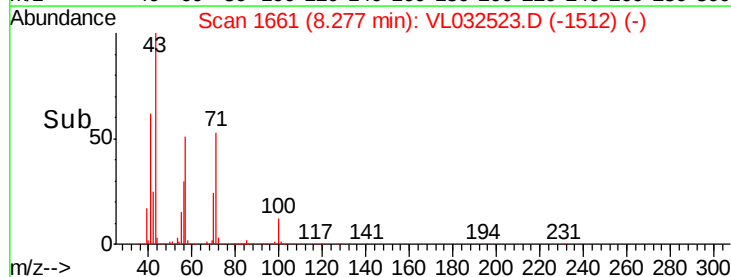
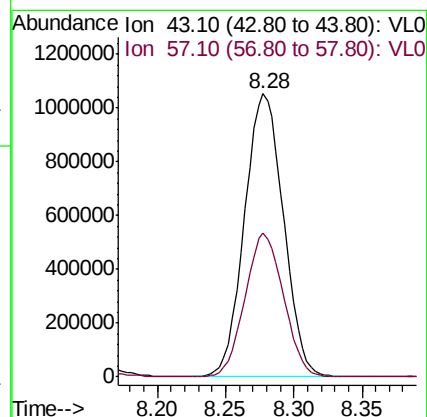
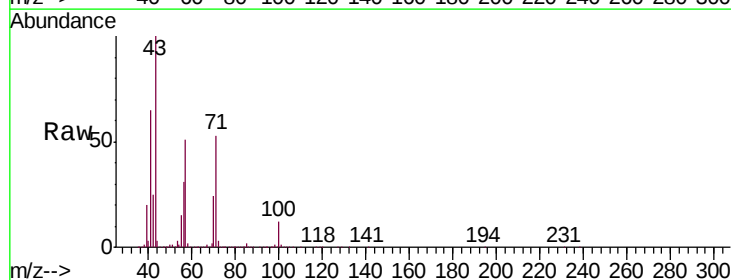
Acq: 25 Sep 2018 00:17

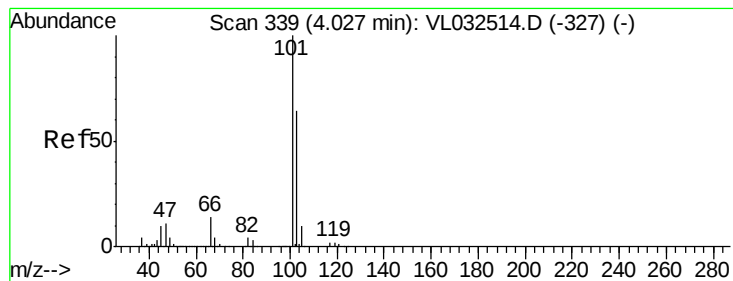
Tgt Ion: 43 Resp: 2082068

Ion Ratio Lower Upper

43 100

57 50.5 39.6 59.4





#11

Trichlorofluoromethane

Concen: 10.406 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

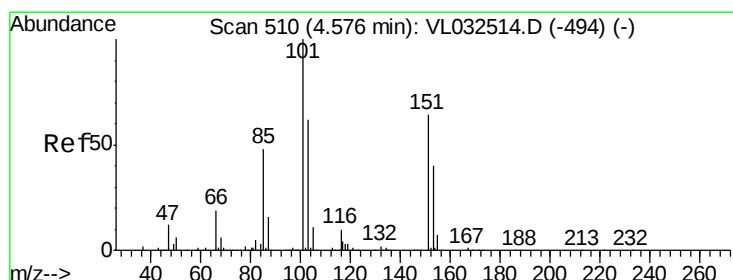
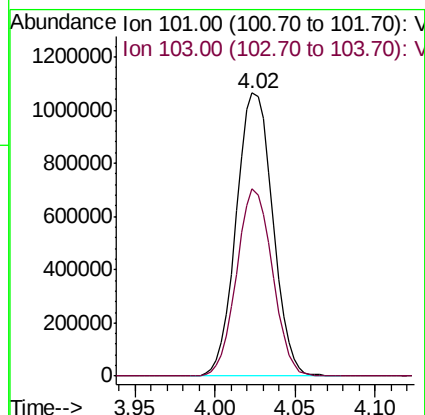
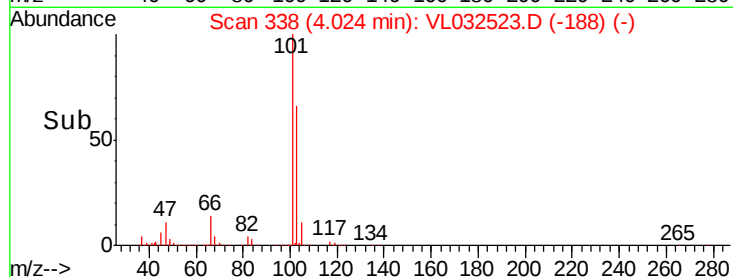
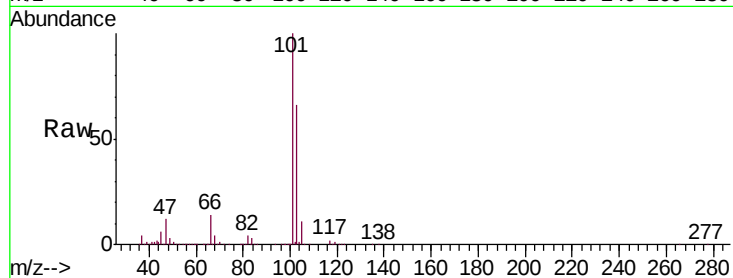
VL0924ABS01

Tgt Ion:101 Resp: 1649672

Ion Ratio Lower Upper

101 100

103 66.0 52.8 79.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.177 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032523.D

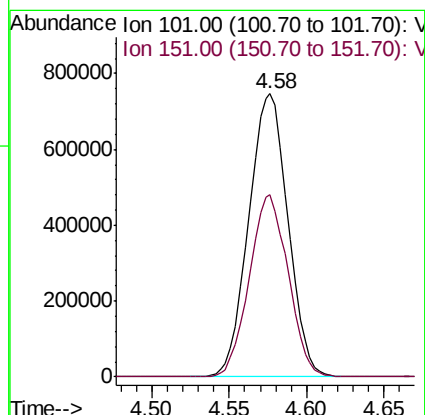
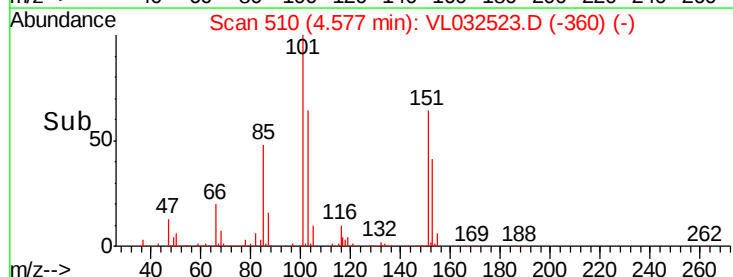
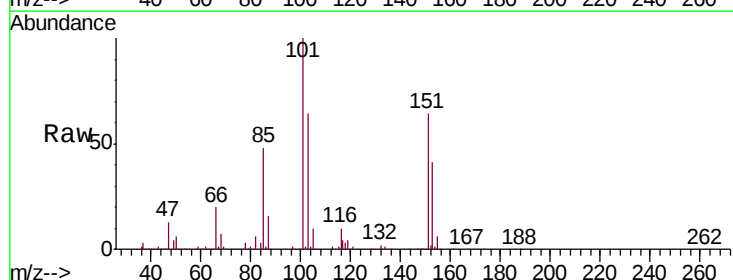
Acq: 25 Sep 2018 00:17

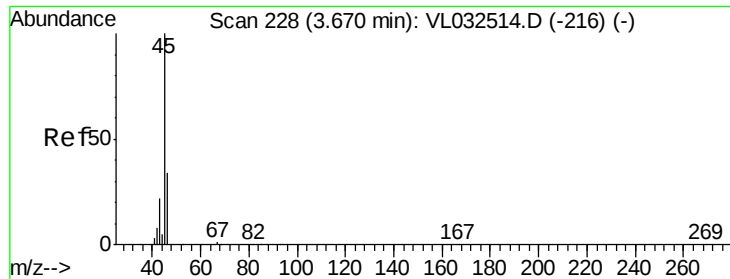
Tgt Ion:101 Resp: 1318854

Ion Ratio Lower Upper

101 100

151 63.8 52.6 78.8





#13

Ethanol

Concen: 8.444 ppbv

RT: 3.67 min Scan# 227

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

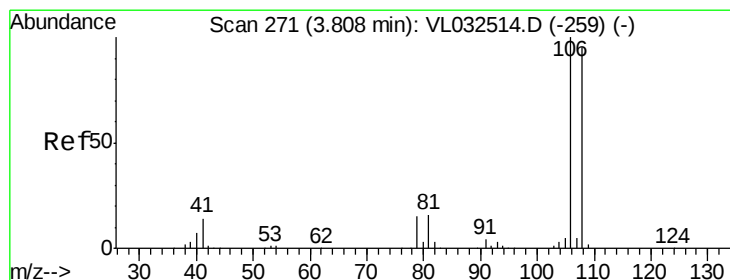
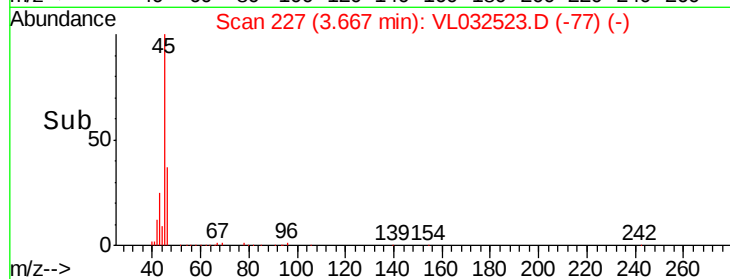
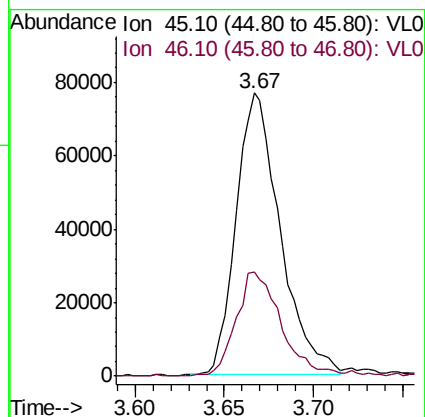
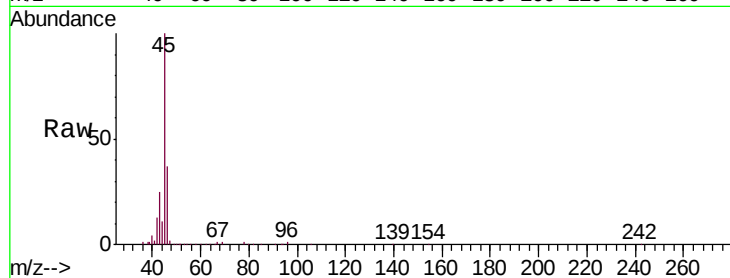
VL0924ABS01

Tgt Ion: 45 Resp: 132040

Ion Ratio Lower Upper

45 100

46 38.8 14.2 56.8



#14

Bromoethene

Concen: 10.966 ppbv

RT: 3.81 min Scan# 271

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

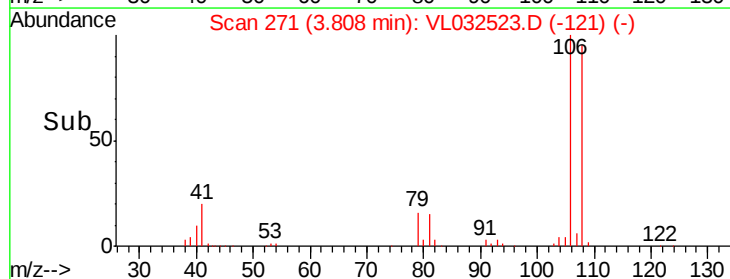
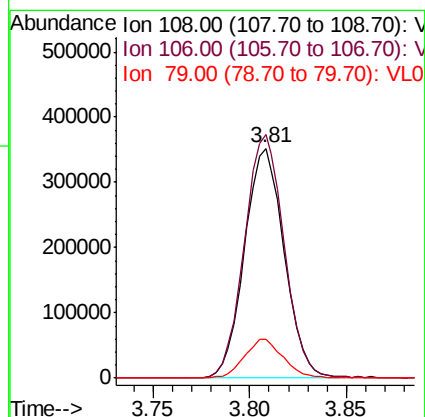
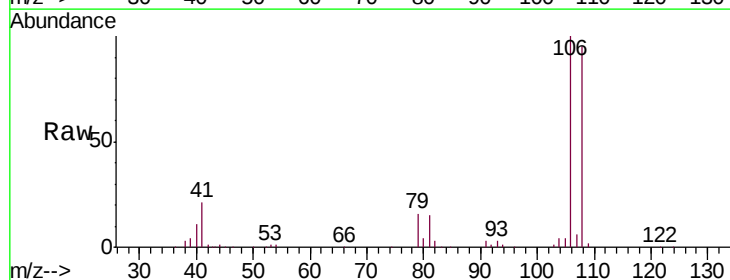
Tgt Ion: 108 Resp: 504247

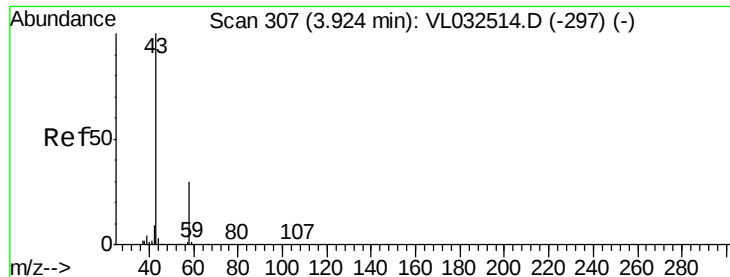
Ion Ratio Lower Upper

108 100

106 106.4 85.5 128.3

79 16.9 13.0 19.6





#15

Acetone

Concen: 9.690 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

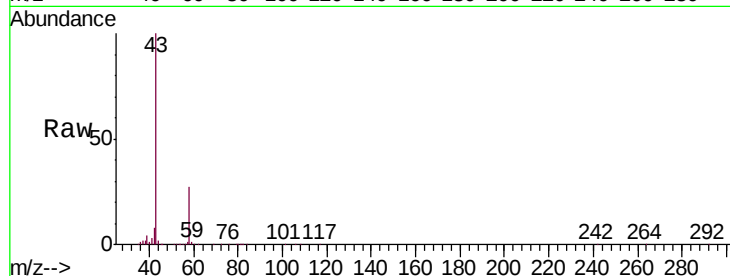
VL0924ABS01

Tgt Ion: 43 Resp: 1226308

Ion Ratio Lower Upper

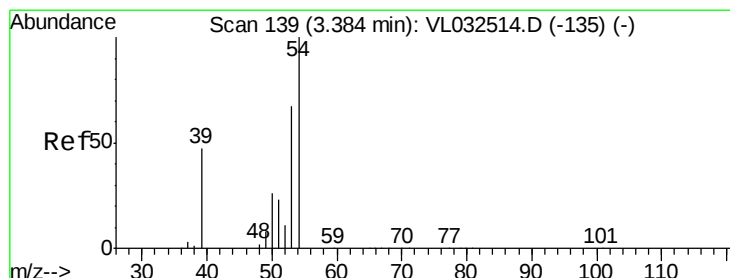
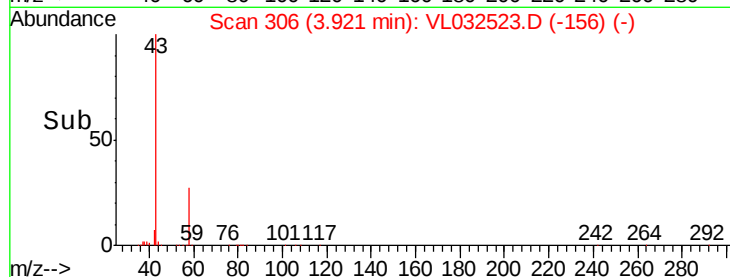
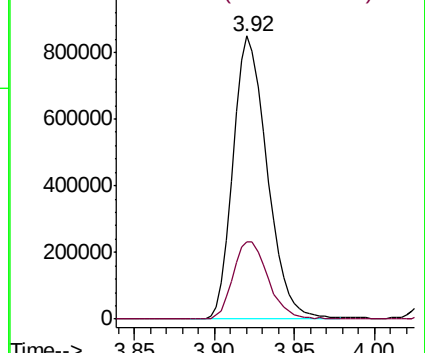
43 100

58 28.3 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: 11.477 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032523.D

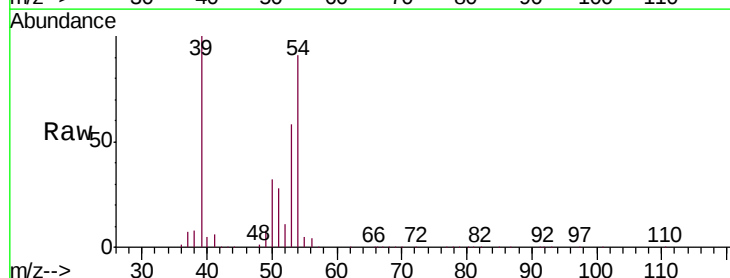
Acq: 25 Sep 2018 00:17

Tgt Ion: 39 Resp: 589069

Ion Ratio Lower Upper

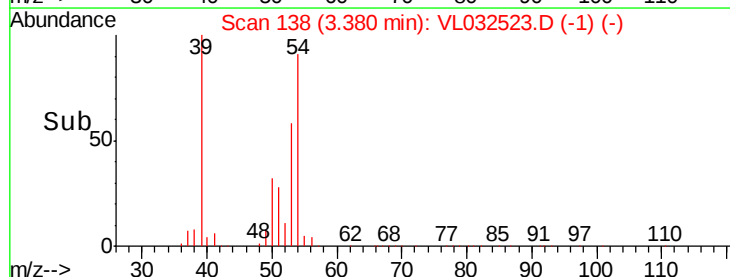
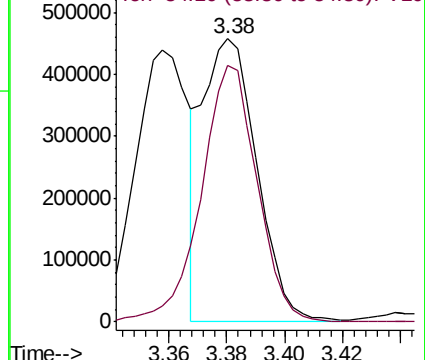
39 100

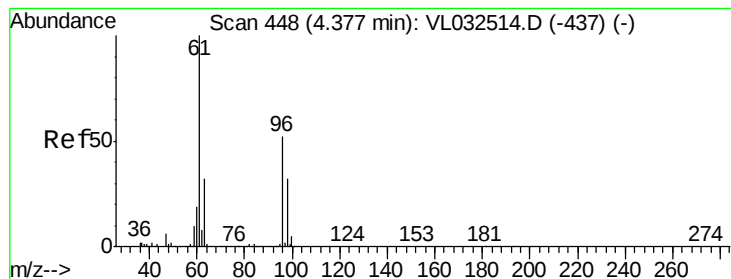
54 94.9 80.8 121.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 10.437 ppbv

RT: 4.38 min Scan# 450

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

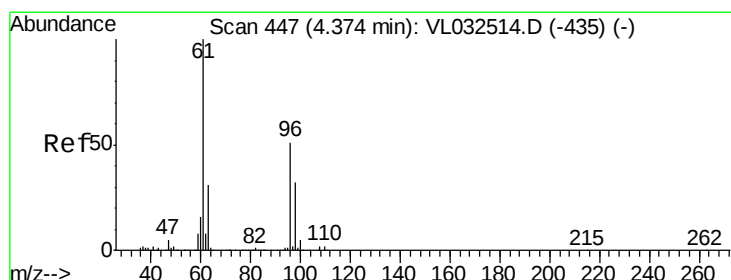
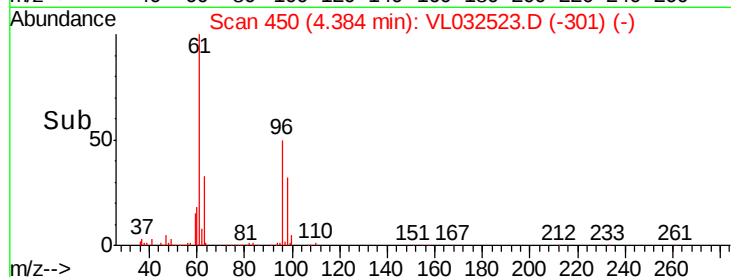
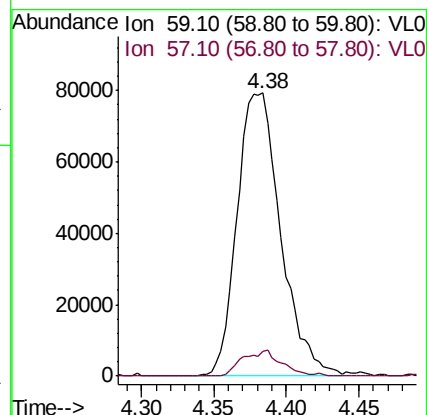
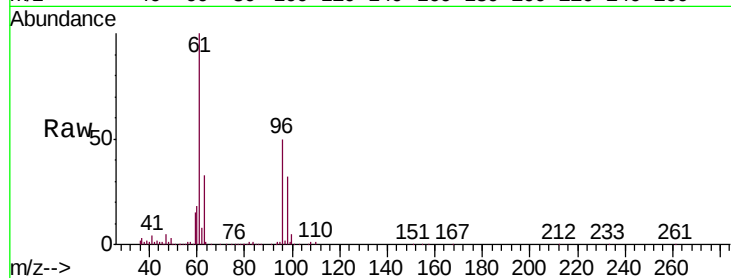
VL0924ABS01

Tgt Ion: 59 Resp: 165993

Ion Ratio Lower Upper

59 100

57 8.3 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 10.421 ppbv

RT: 4.37 min Scan# 447

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

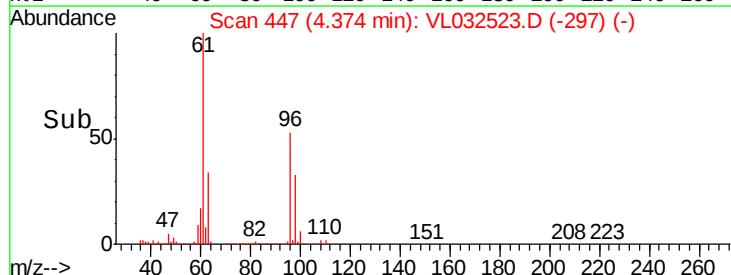
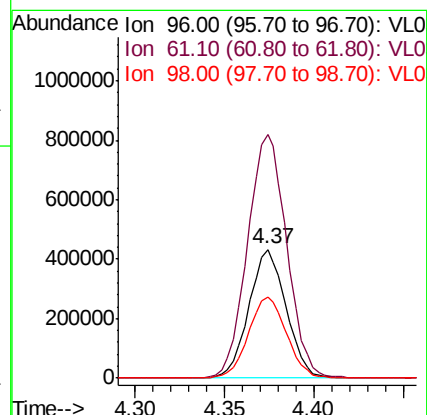
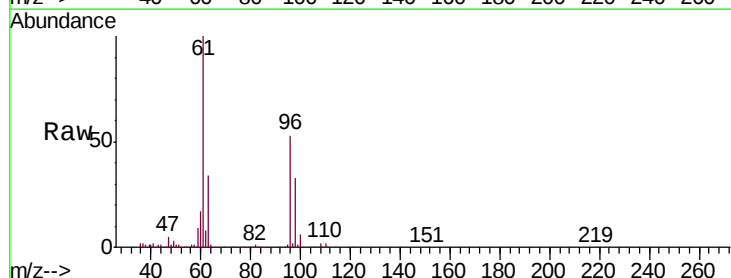
Tgt Ion: 96 Resp: 632464

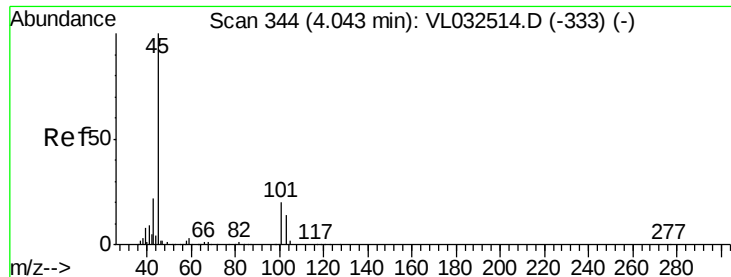
Ion Ratio Lower Upper

96 100

61 189.0 159.2 238.8

98 63.1 51.0 76.4





#19

Isopropyl Alcohol

Concen: 10.005 ppbv

RT: 4.04 min Scan# 344

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

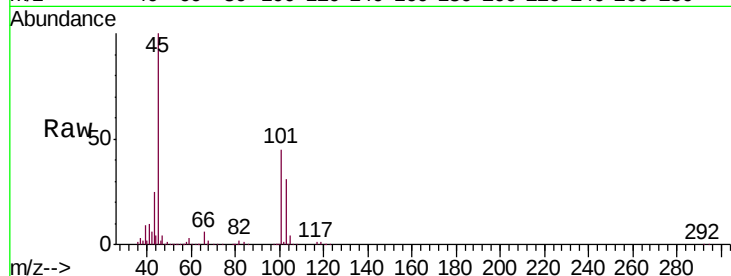
VL0924ABS01

Tgt Ion: 45 Resp: 881941

Ion Ratio Lower Upper

45 100

58 2.2 2.0 3.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.04

500000

400000

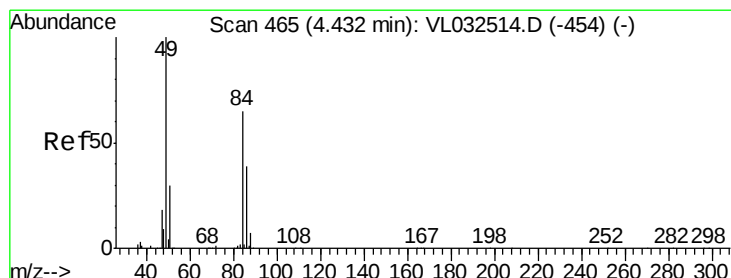
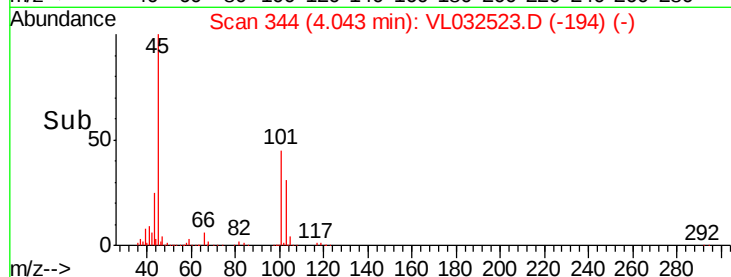
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 9.243 ppbv

RT: 4.43 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion: 84 Resp: 566498

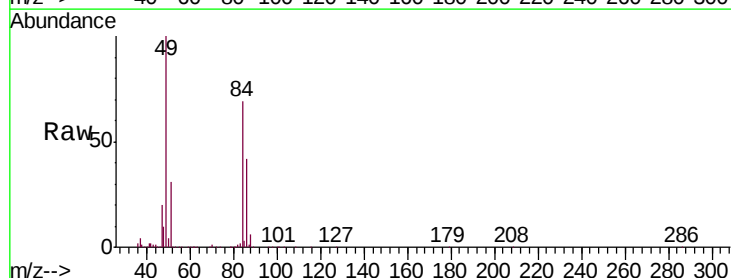
Ion Ratio Lower Upper

84 100

49 144.0 119.1 178.7

51 44.7 35.2 52.8

86 60.1 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

800000

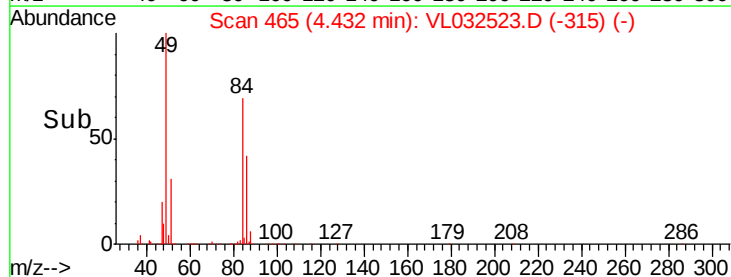
600000

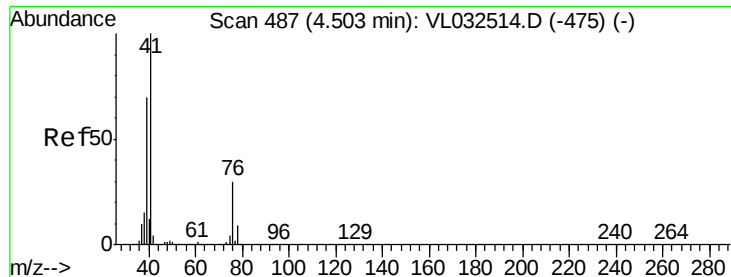
400000

200000

0

Time-->

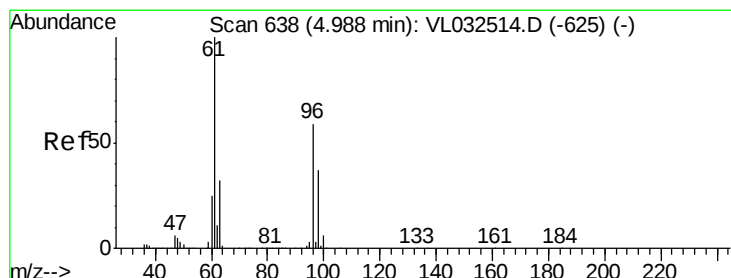
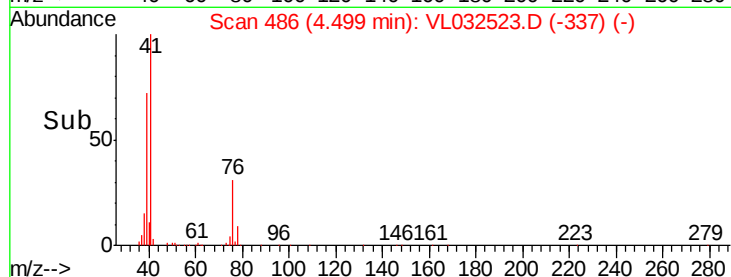
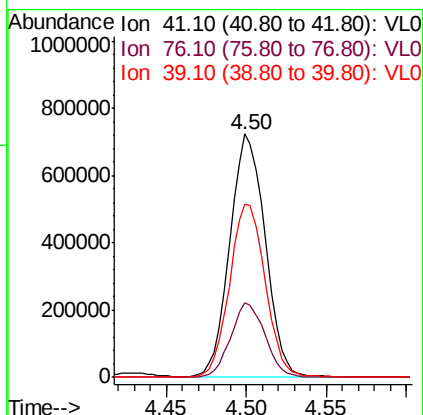
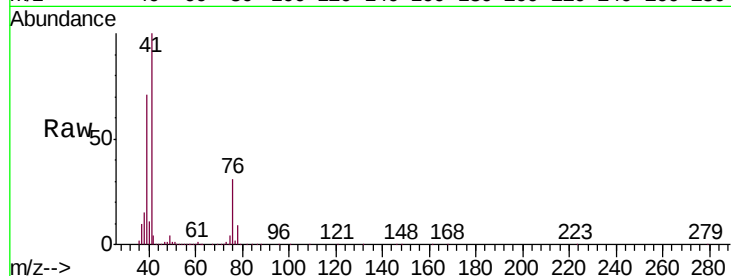




#21
 Allyl Chloride
 Concen: 10.478 ppbv
 RT: 4.50 min Scan# 486
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

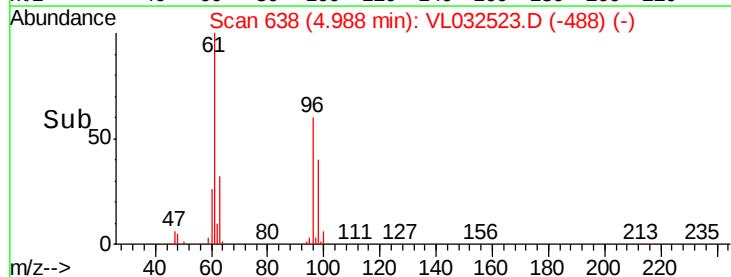
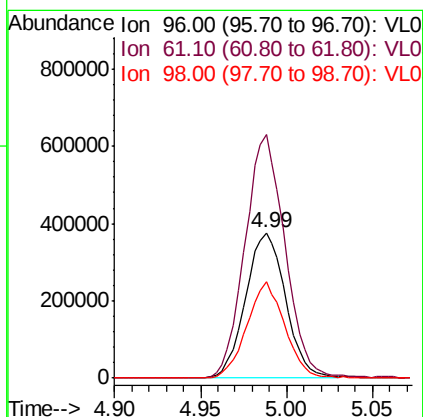
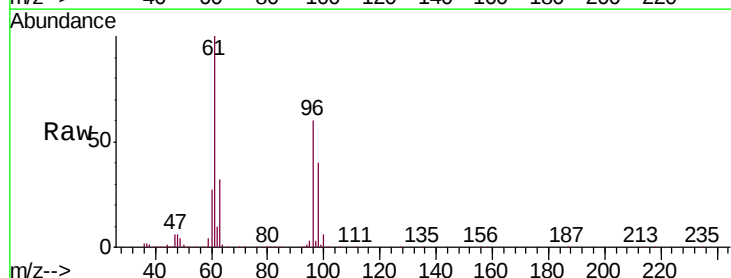
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

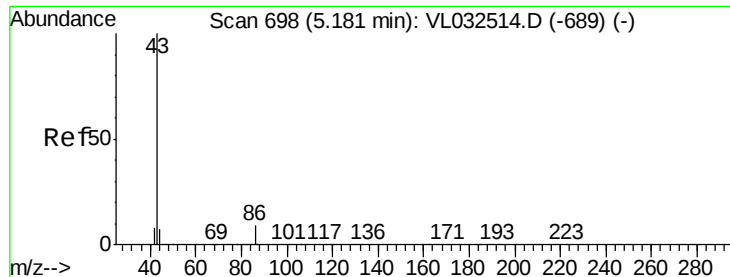
Tgt Ion: 41 Resp: 1083767
 Ion Ratio Lower Upper
 41 100
 76 30.0 23.6 35.4
 39 72.0 57.7 86.5



#22
 trans-1,2-Dichloroethene
 Concen: 10.574 ppbv
 RT: 4.99 min Scan# 638
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion: 96 Resp: 604783
 Ion Ratio Lower Upper
 96 100
 61 167.6 136.2 204.4
 98 66.7 50.4 75.6





#23

Vinyl Acetate

Concen: 10.872 ppbv

RT: 5.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tgt Ion: 43 Resp: 2431301

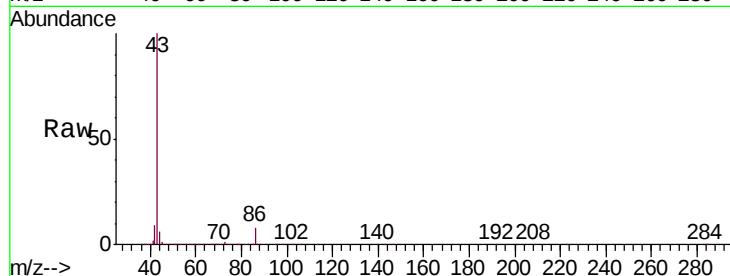
Ion Ratio Lower Upper

43 100

86 7.6 5.9 8.9

42 8.8 6.9 10.3

44 6.0 4.6 7.0

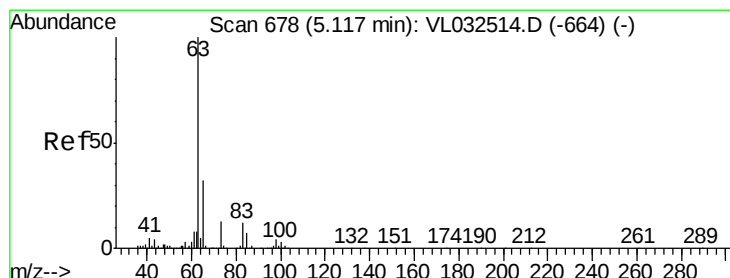
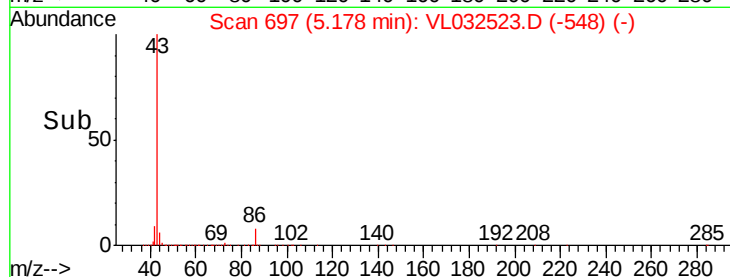
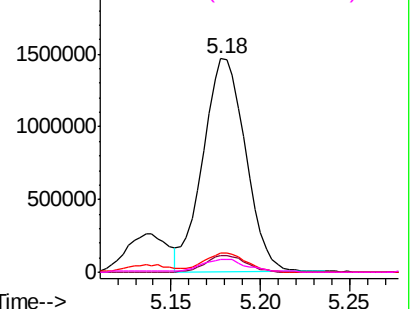


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 10.112 ppbv

RT: 5.12 min Scan# 678

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

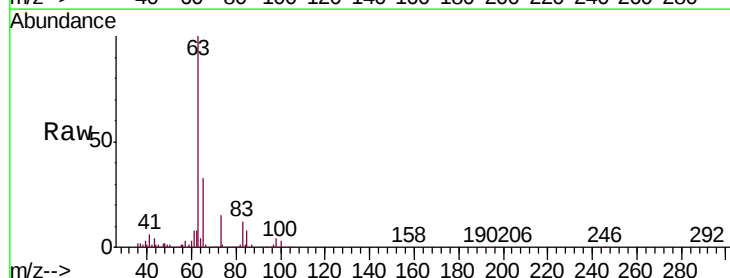
Tgt Ion: 63 Resp: 1883117

Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

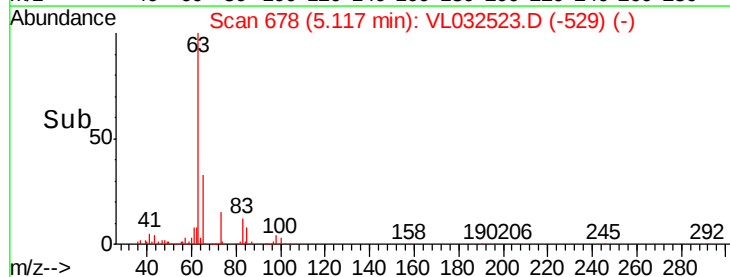
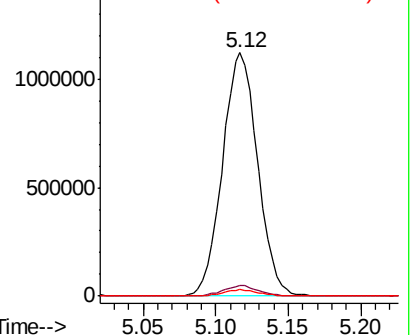
100 2.5 1.5 4.4

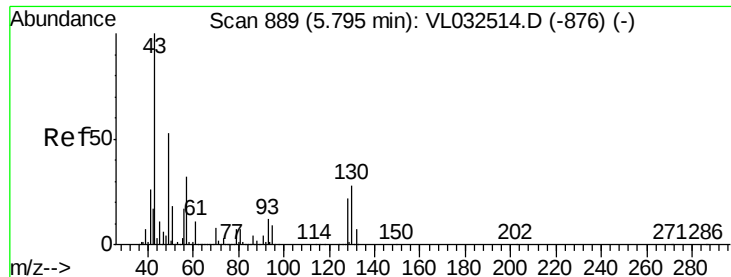


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.433 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tgt Ion: 43 Resp: 2896994

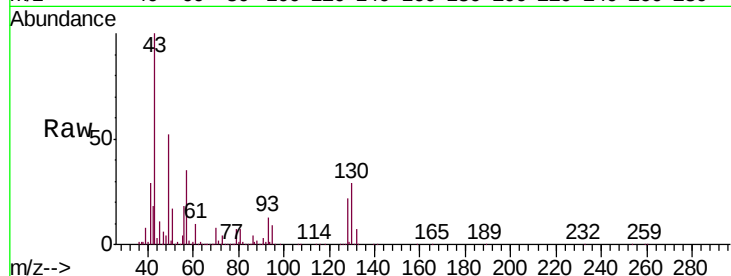
Ion Ratio Lower Upper

43 100

45 10.1 8.0 12.0

61 9.6 7.6 11.4

70 7.3 5.8 8.8

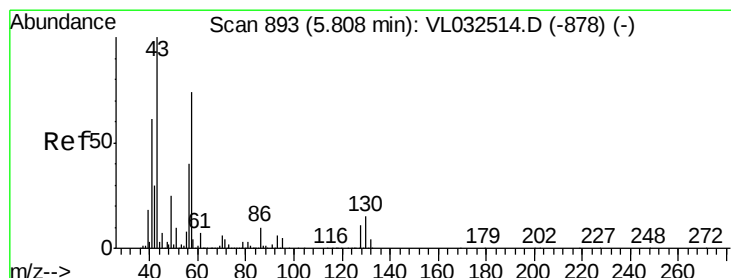
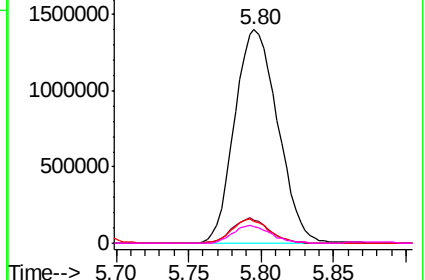
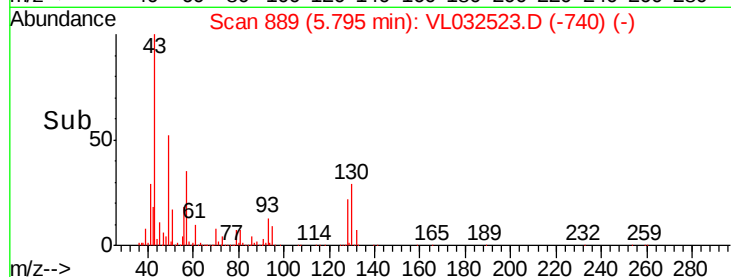


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.704 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion: 57 Resp: 1346038

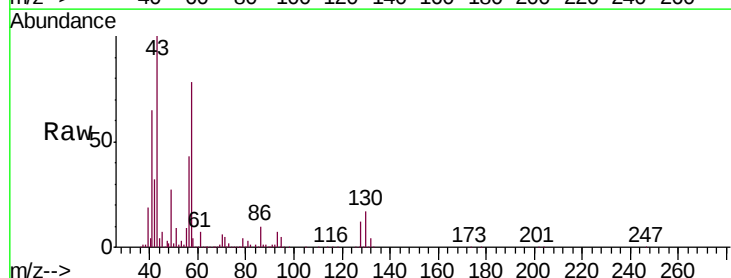
Ion Ratio Lower Upper

57 100

41 85.4 69.0 103.4

43 216.0 172.1 258.1

56 53.5 42.2 63.2

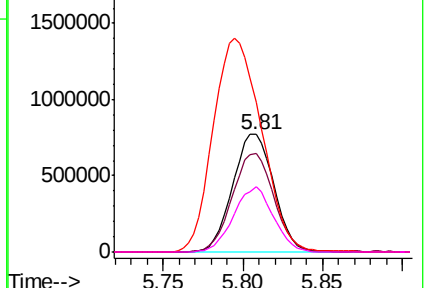
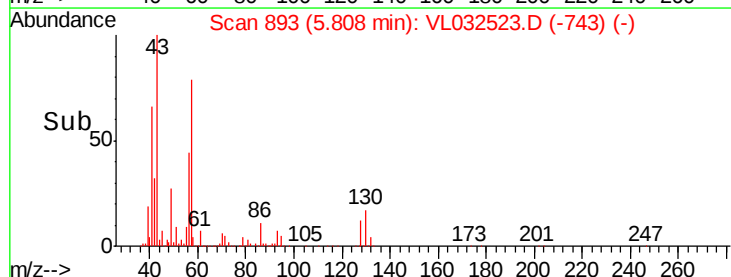


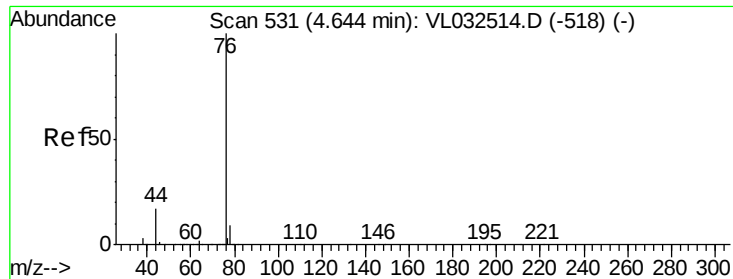
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

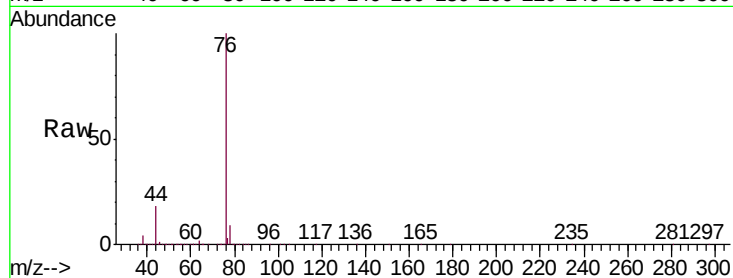




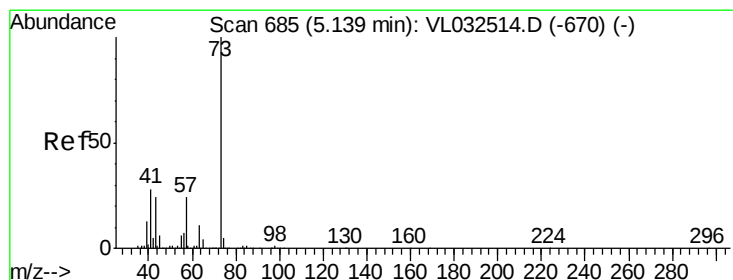
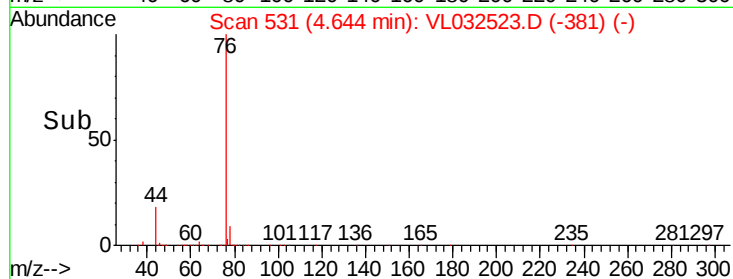
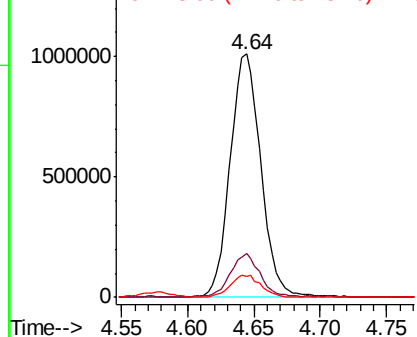
#27
Carbon Disulfide
Concen: 10.925 ppbv
RT: 4.64 min Scan# 531
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

Tgt Ion: 76 Resp: 1629132
Ion Ratio Lower Upper
76 100
44 16.5 14.0 21.0
78 9.1 7.5 11.3

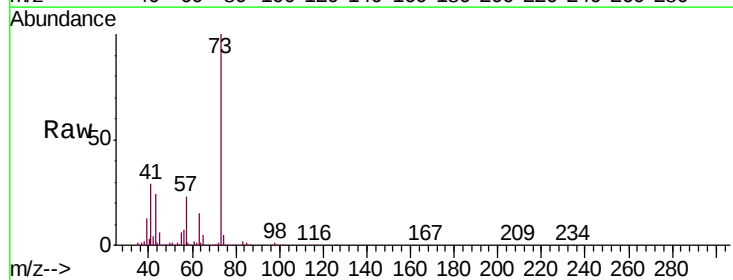


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

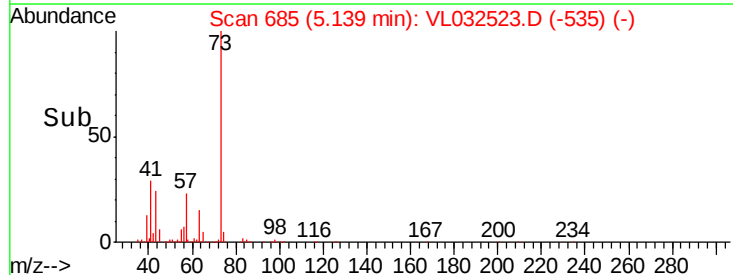
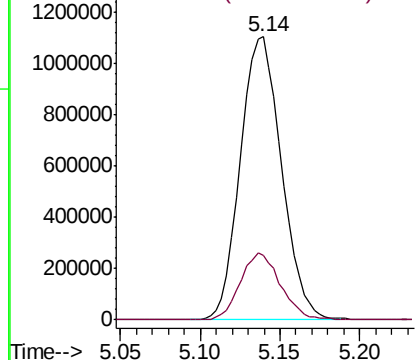


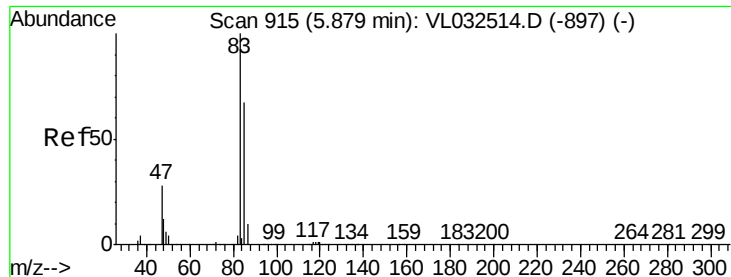
#28
Methyl tert-Butyl Ether
Concen: 11.193 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 73 Resp: 1934146
Ion Ratio Lower Upper
73 100
57 23.3 19.3 28.9



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

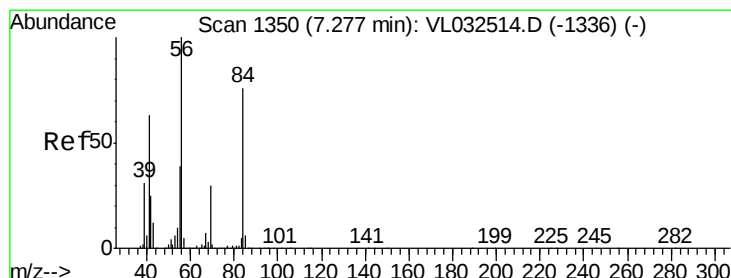
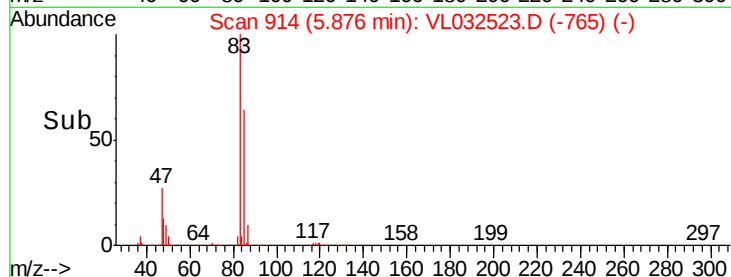
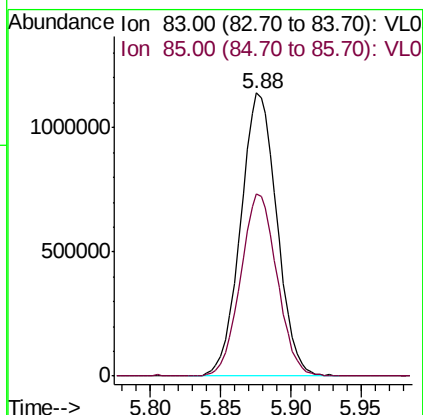
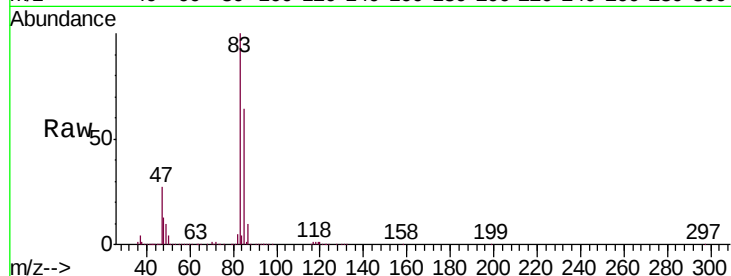




#29
Chloroform
Concen: 9.653 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

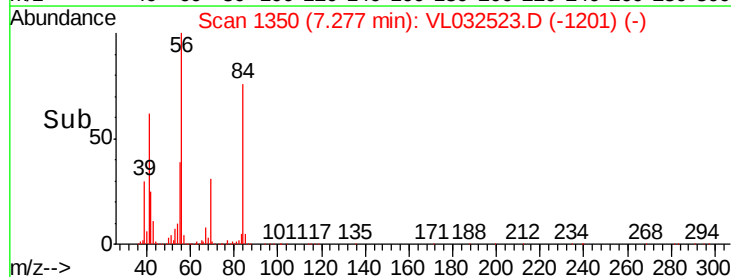
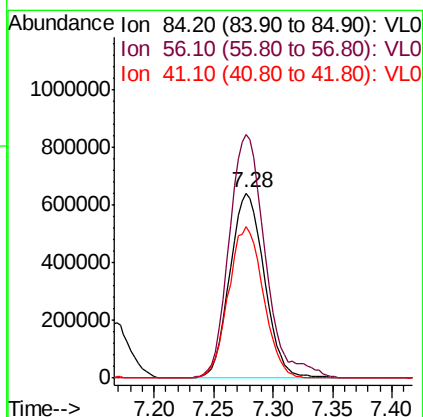
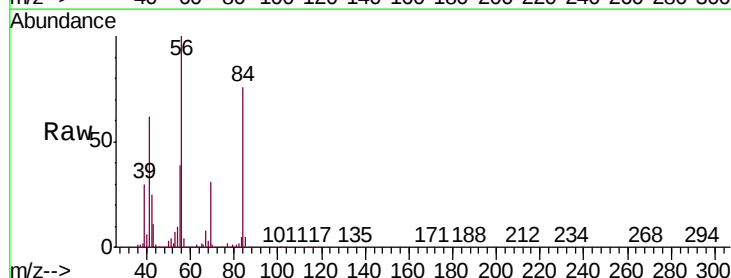
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

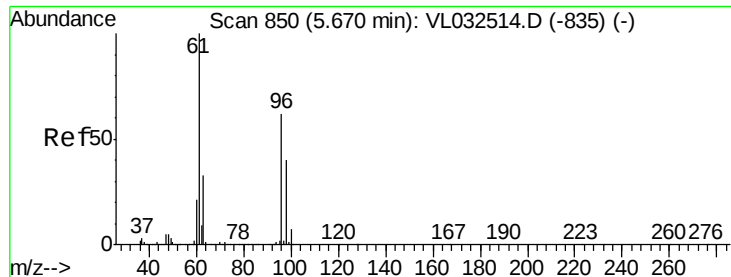
Tgt Ion: 83 Resp: 2054470
Ion Ratio Lower Upper
83 100
85 64.4 52.5 78.7



#30
Cyclohexane
Concen: 11.354 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 84 Resp: 1282396
Ion Ratio Lower Upper
84 100
56 139.0 113.5 170.3
41 83.1 68.1 102.1



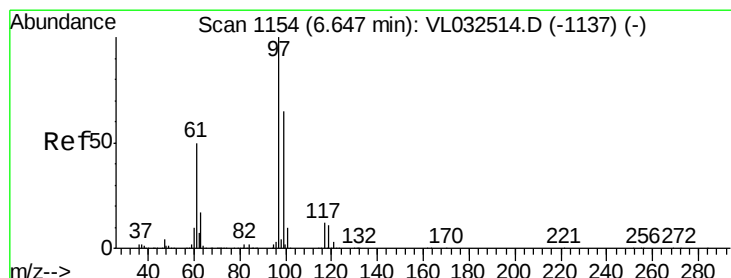
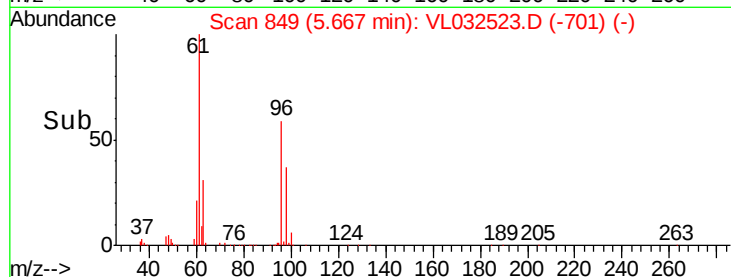
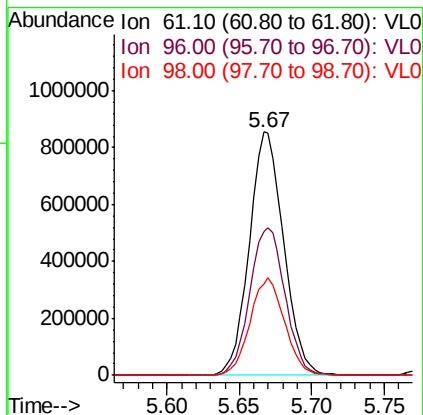
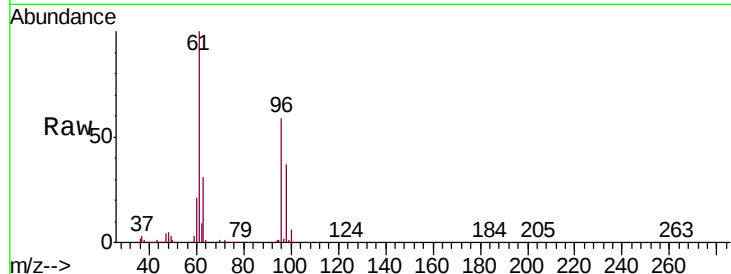


#31

cis-1,2-Dichloroethene
 Concen: 10.720 ppbv
 RT: 5.67 min Scan# 849
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

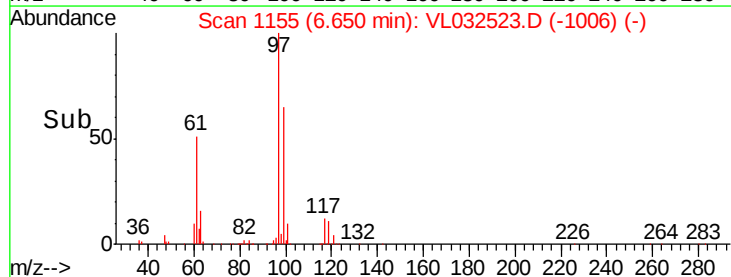
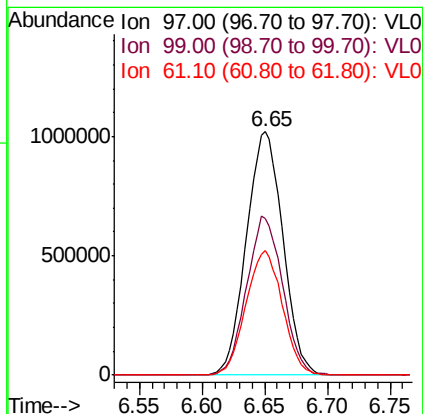
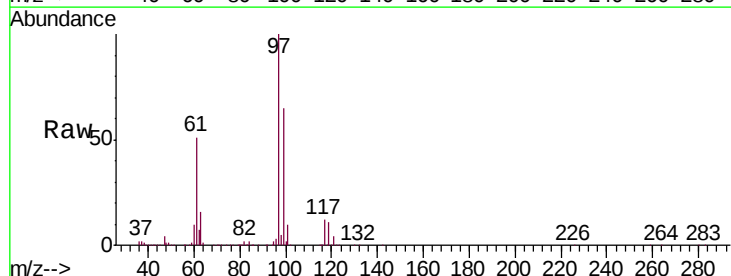
Tgt Ion: 61 Resp: 1416255
 Ion Ratio Lower Upper
 61 100
 96 58.9 49.2 73.8
 98 37.4 30.7 46.1

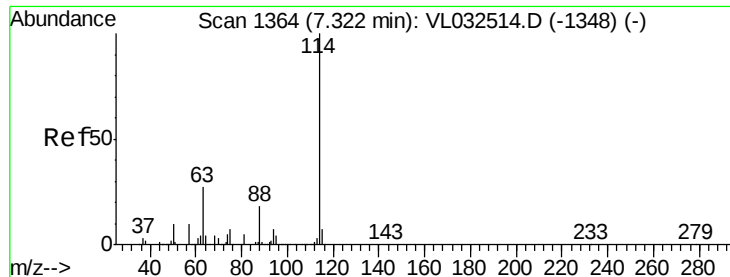


#32

1,1,1-Trichloroethane
 Concen: 9.119 ppbv
 RT: 6.65 min Scan# 1155
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion: 97 Resp: 2068271
 Ion Ratio Lower Upper
 97 100
 99 64.3 52.1 78.1
 61 51.2 42.5 63.7

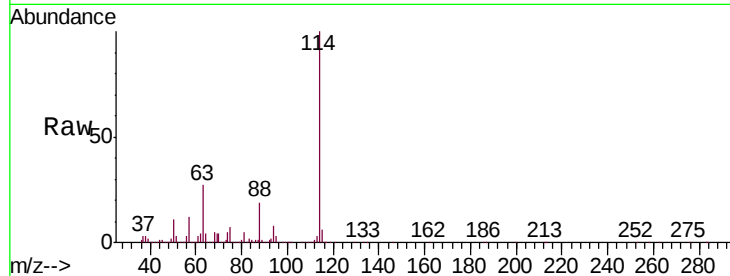




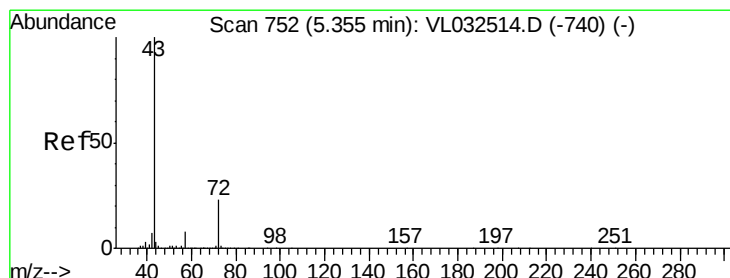
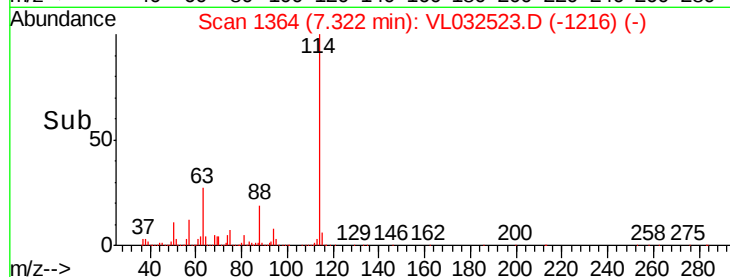
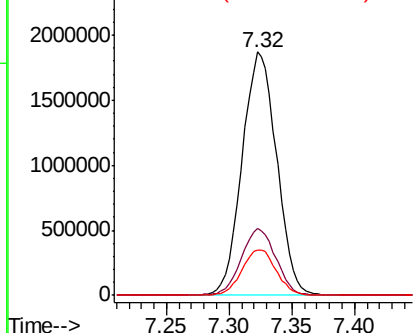
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tgt Ion: 114 Resp: 3581440
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.2 33.4
 88 18.7 15.0 22.4

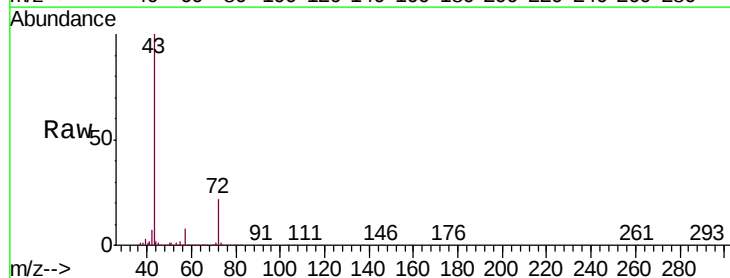


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

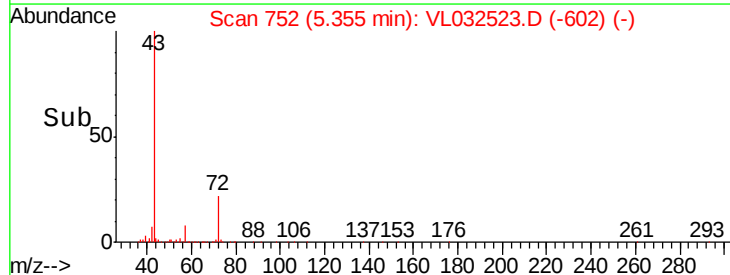
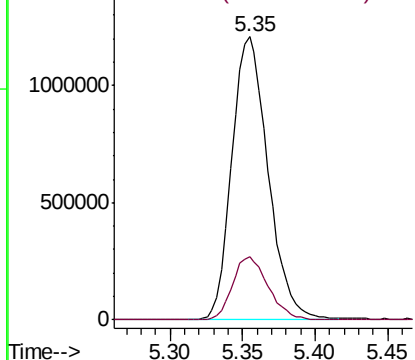


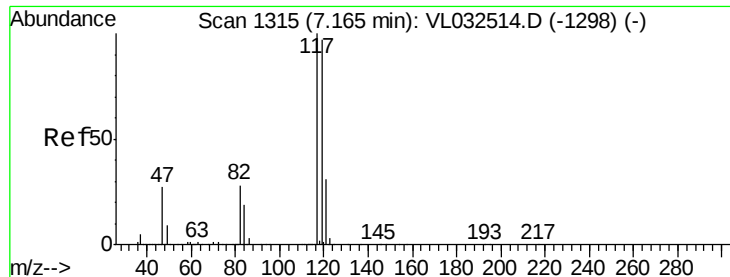
#34
 2-Butanone
 Concen: 9.797 ppbv
 RT: 5.35 min Scan# 752
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion: 43 Resp: 2089343
 Ion Ratio Lower Upper
 43 100
 72 22.2 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: 9.164 ppbv

RT: 7.16 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

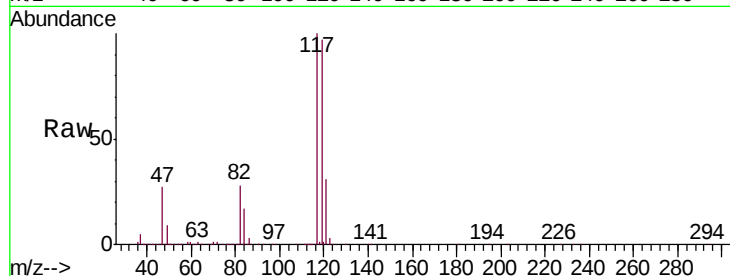
Tgt Ion:117 Resp: 2280584

Ion Ratio Lower Upper

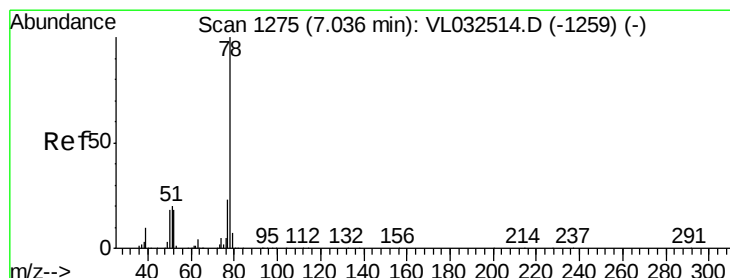
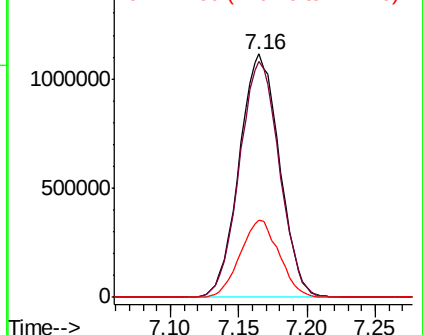
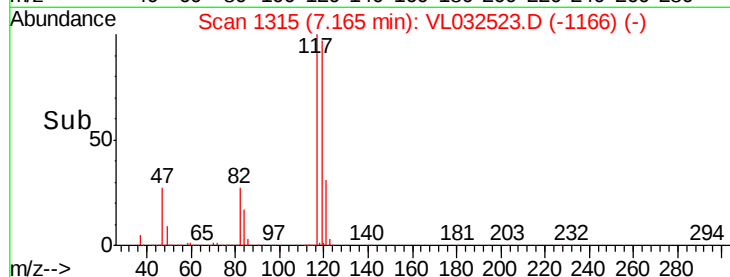
117 100

119 97.0 76.6 115.0

121 31.5 24.6 36.8



Abundance Ion 117.00 (116.70 to 117.70): V
1500000 Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.785 ppbv

RT: 7.04 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

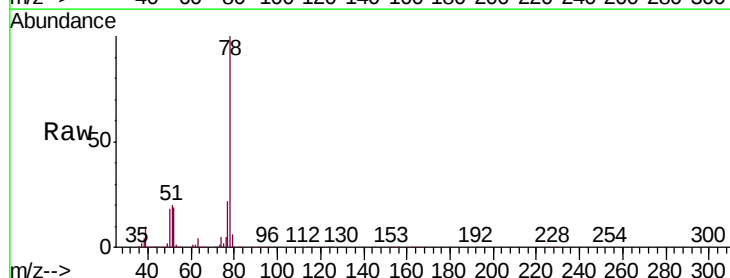
Tgt Ion: 78 Resp: 2832037

Ion Ratio Lower Upper

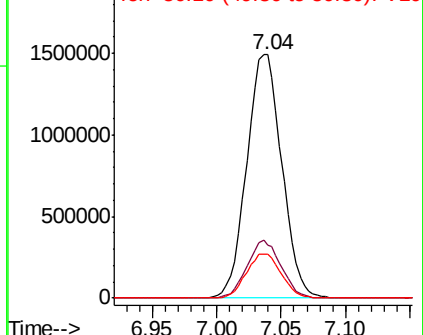
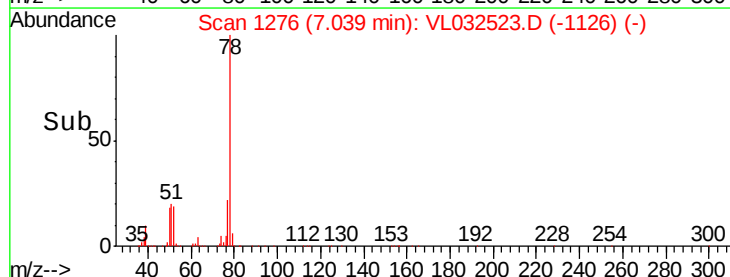
78 100

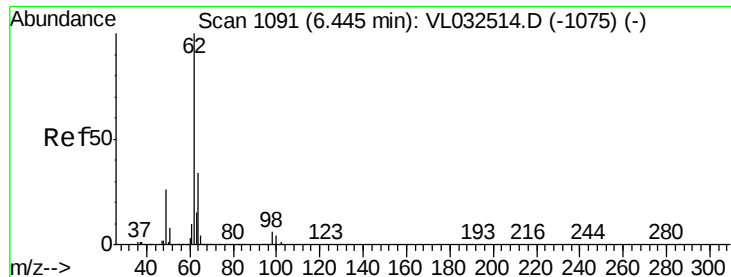
77 22.0 18.4 27.6

50 18.2 14.4 21.6



Abundance Ion 78.10 (77.80 to 78.80): VL0
2000000 Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

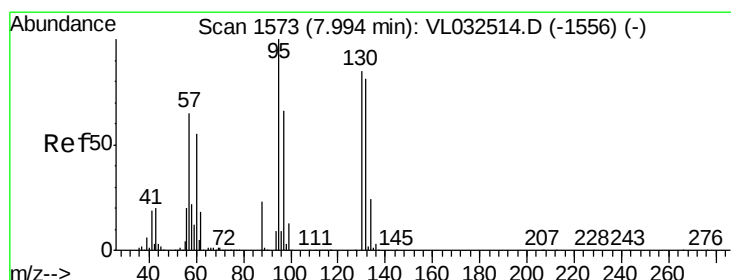
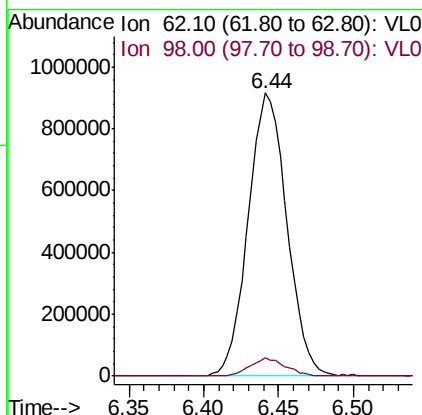
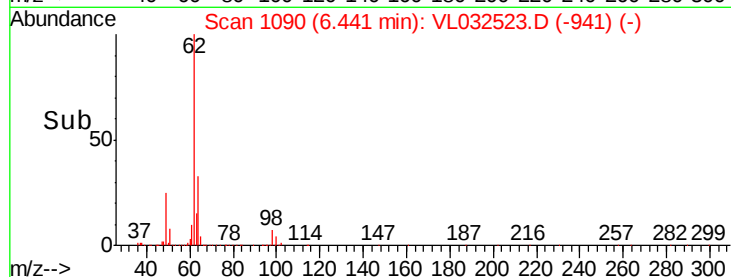
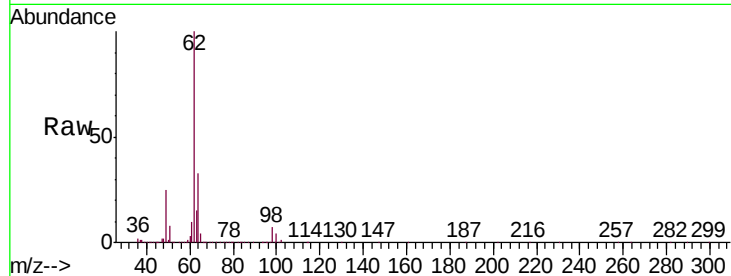




#37
 1,2-Dichloroethane
 Concen: 9.458 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

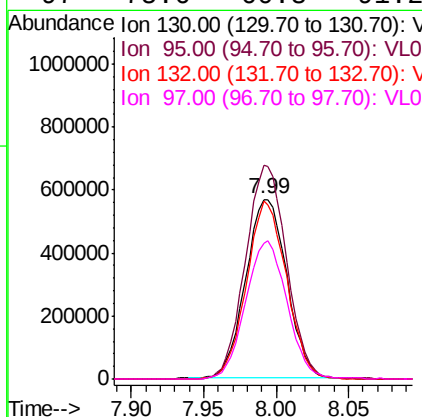
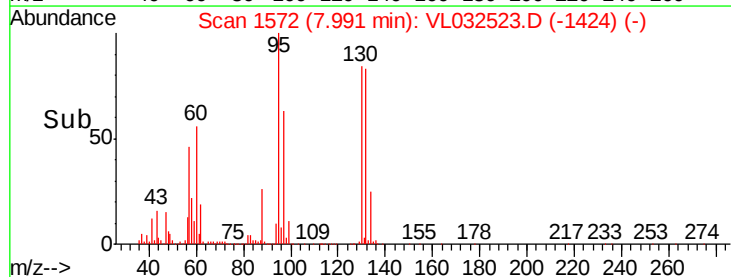
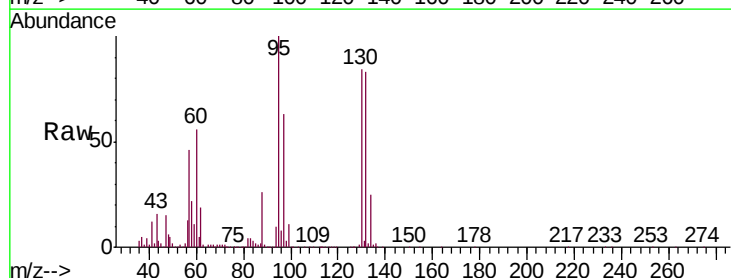
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

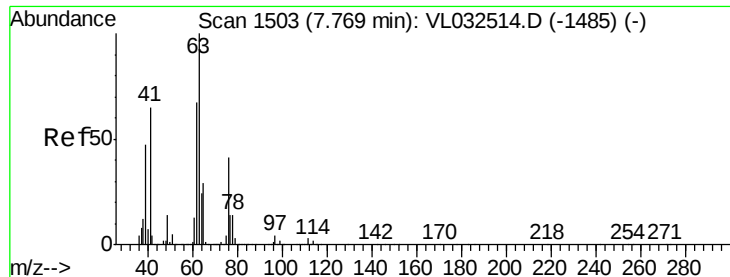
Tgt Ion: 62 Resp: 1649681
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.0 7.6



#38
 Trichloroethene
 Concen: 10.146 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion: 130 Resp: 1124077
 Ion Ratio Lower Upper
 130 100
 95 119.5 94.2 141.4
 132 99.5 76.2 114.4
 97 75.6 60.8 91.2





#39

1,2-Dichloropropane

Concen: 9.590 ppbv

RT: 7.77 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

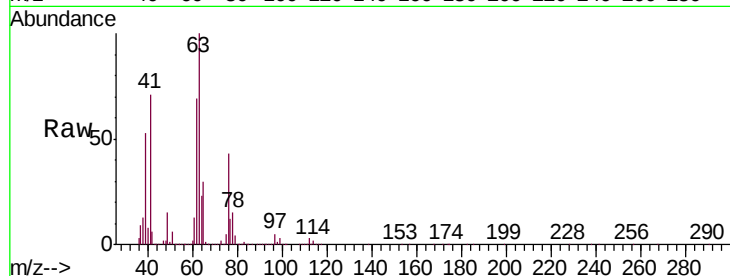
Tgt Ion: 63 Resp: 1250853

Ion Ratio Lower Upper

63 100

41 70.9 55.4 83.0

62 69.4 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

800000

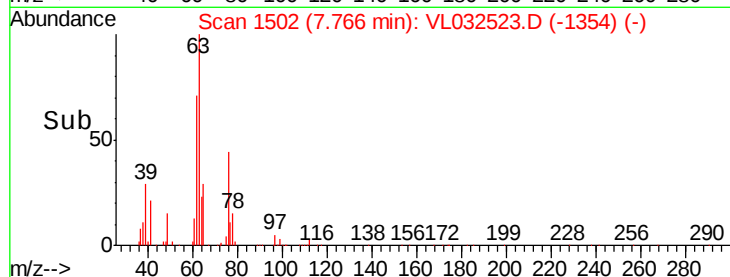
600000

400000

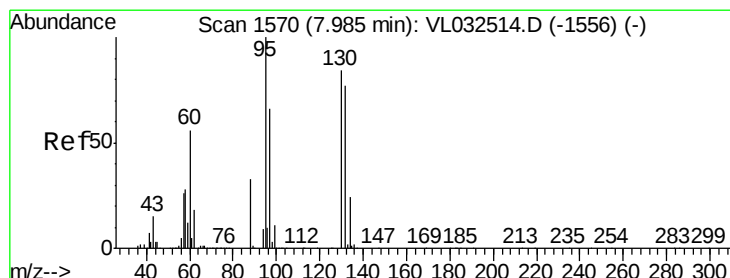
200000

0

Time-->



Time-->



#40

1,4-Dioxane

Concen: 10.260 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion: 88 Resp: 410345

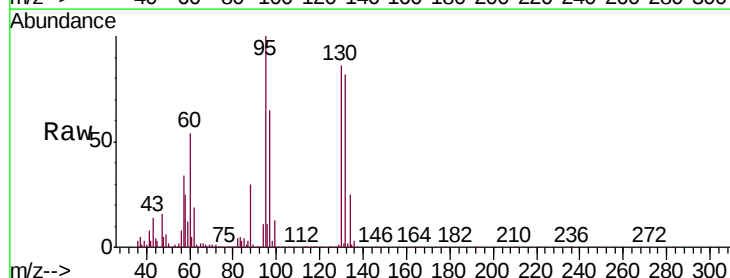
Ion Ratio Lower Upper

88 100

58 144.3 119.7 179.5

43 296.6 253.0 379.4

57 1365.4 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

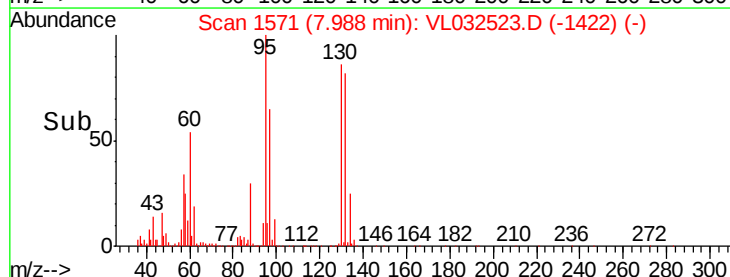
3000000

2000000

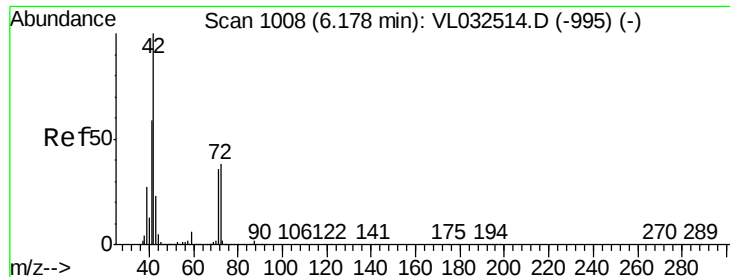
1000000

0

Time-->



Time-->



#41

Tetrahydrofuran

Concen: 10.320 ppbv

RT: 6.17 min Scan# 1007

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

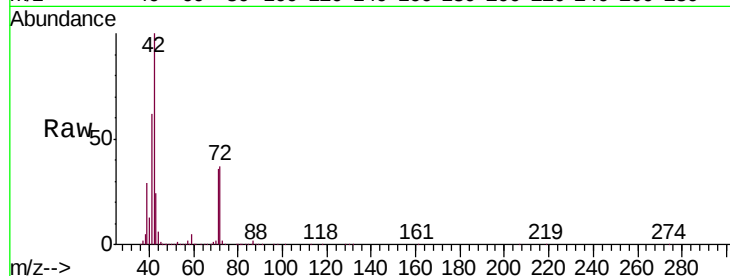
Tgt Ion: 42 Resp: 1195749

Ion Ratio Lower Upper

42 100

72 38.1 29.5 44.3

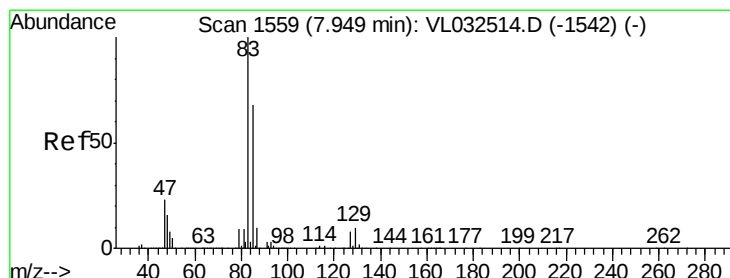
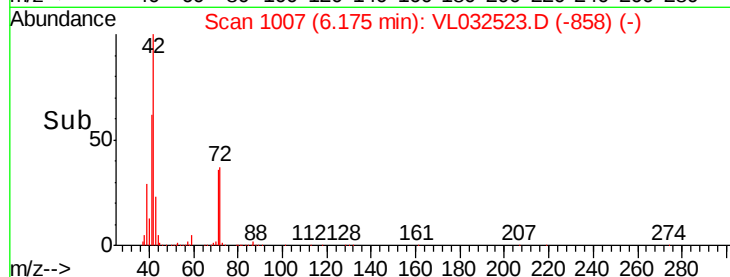
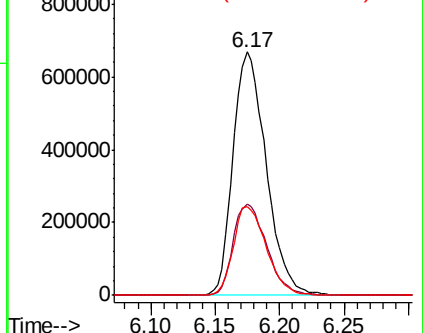
71 36.6 28.3 42.5



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: 9.870 ppbv

RT: 7.95 min Scan# 1559

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

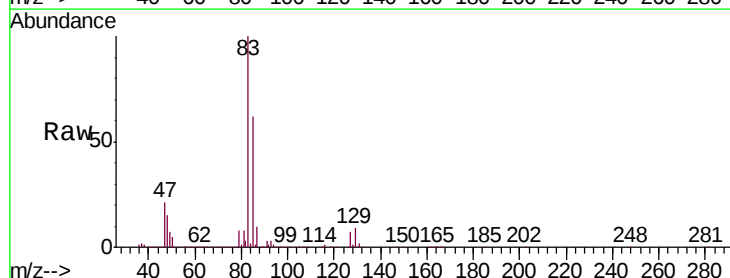
Tgt Ion: 83 Resp: 2579332

Ion Ratio Lower Upper

83 100

85 62.4 51.1 76.7

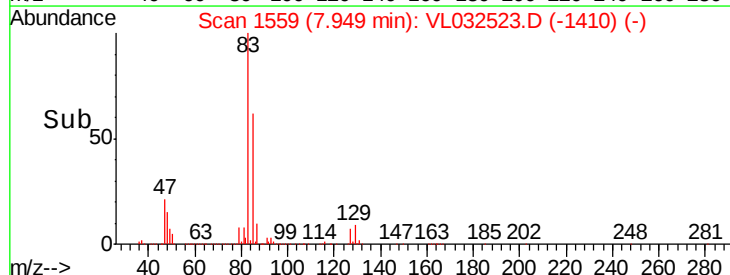
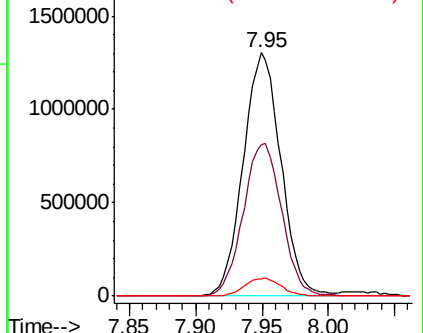
127 7.2 5.8 8.8

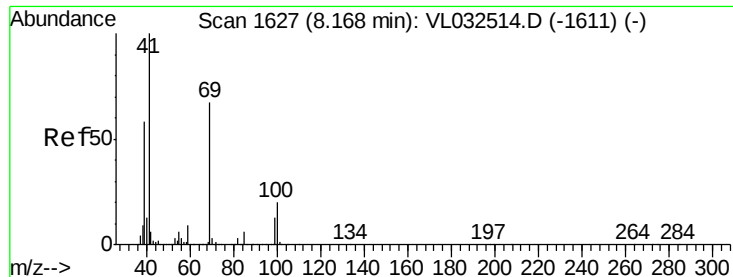


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

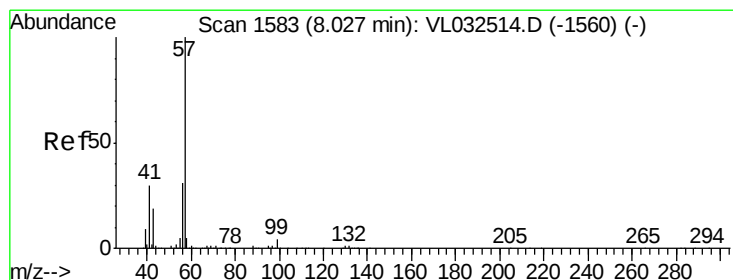
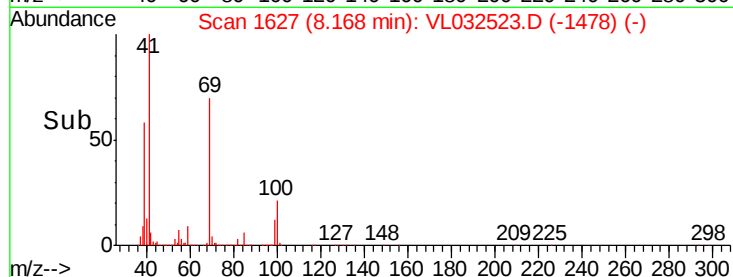
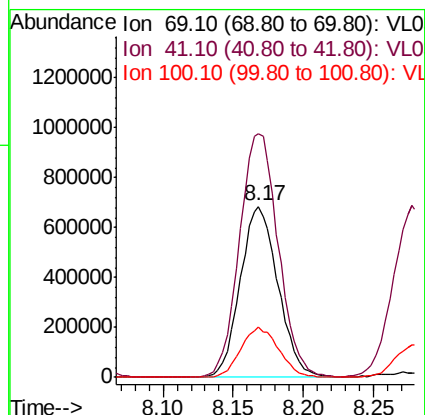
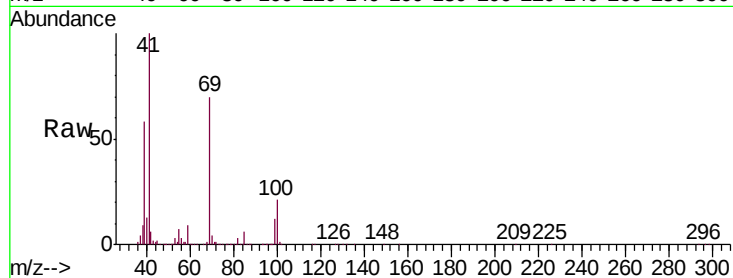




#43
Methyl Methacrylate
Concen: 10.662 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

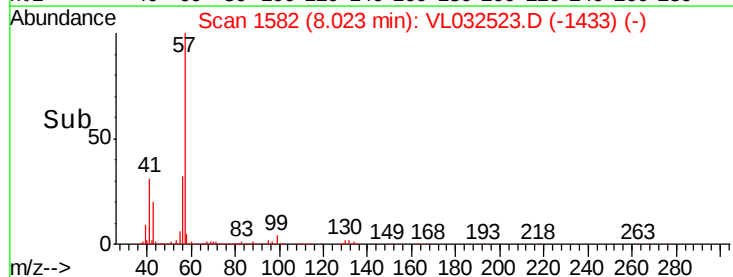
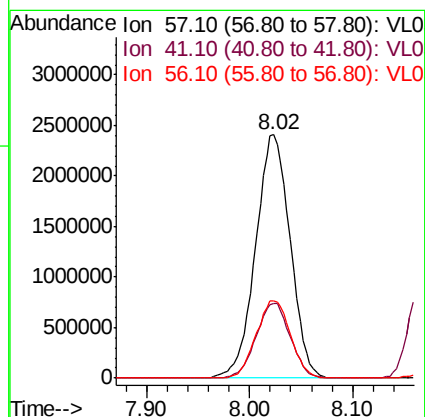
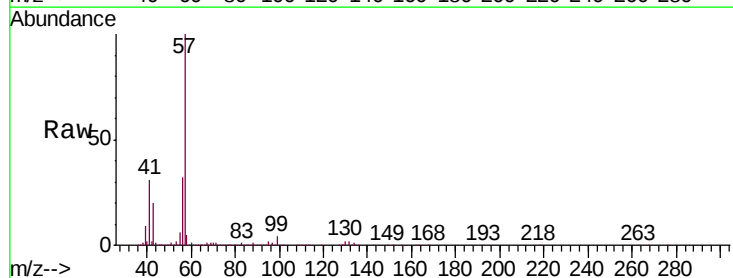
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

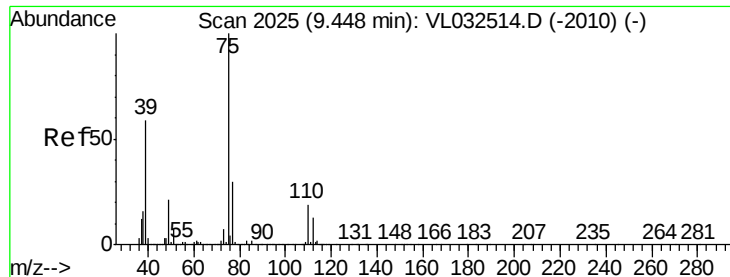
Tgt Ion: 69 Resp: 1289178
Ion Ratio Lower Upper
69 100
41 145.5 117.1 175.7
100 29.5 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 9.894 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 57 Resp: 5596501
Ion Ratio Lower Upper
57 100
41 30.4 24.4 36.6
56 31.7 25.7 38.5

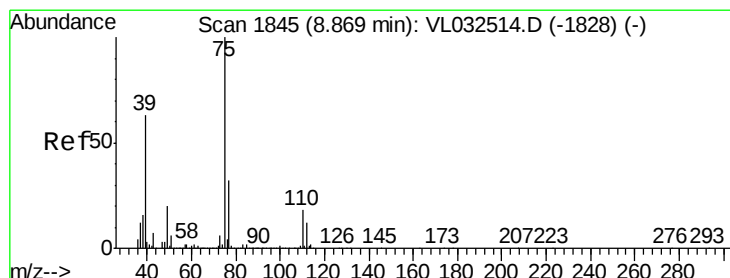
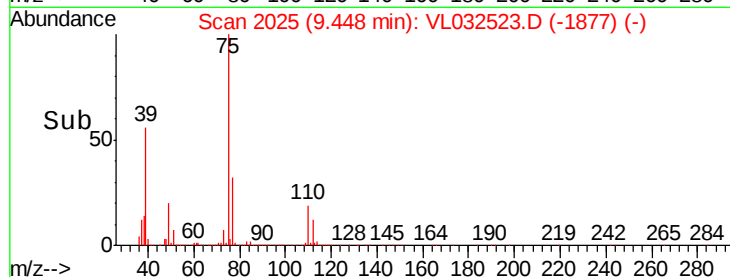
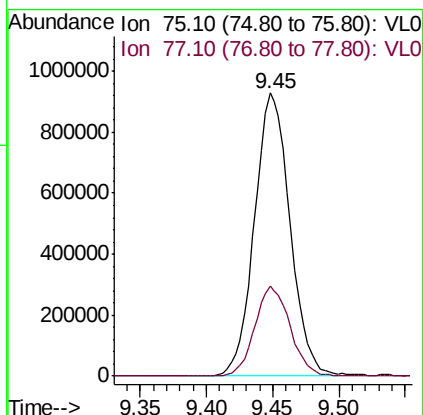
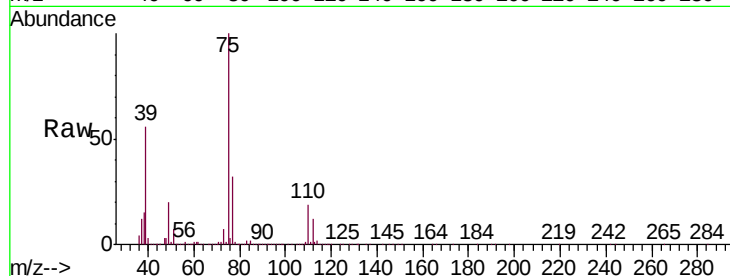




#45
 t-1,3-Dichloropropene
 Concen: 11.536 ppbv
 RT: 9.45 min Scan# 2025
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

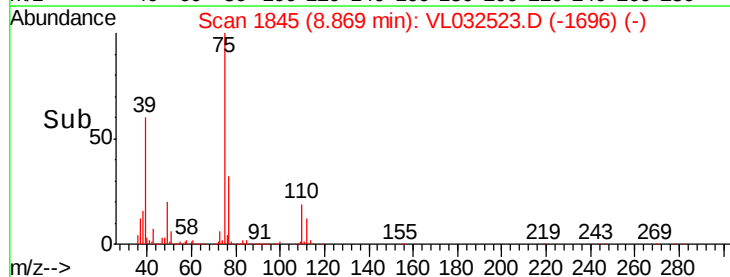
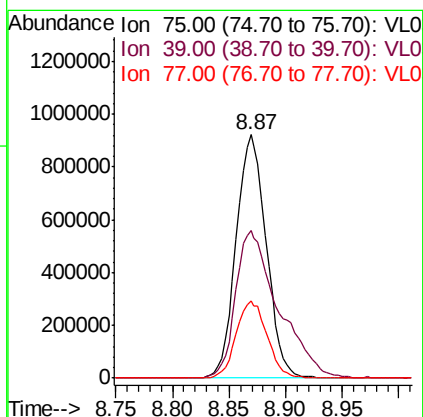
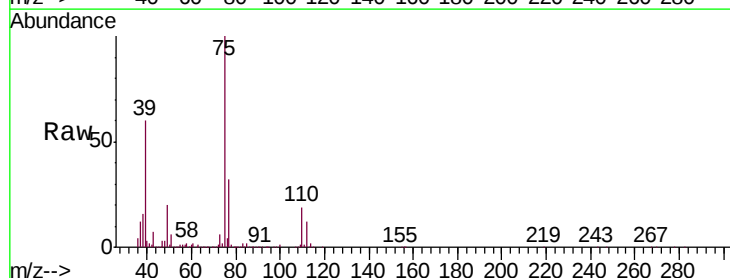
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

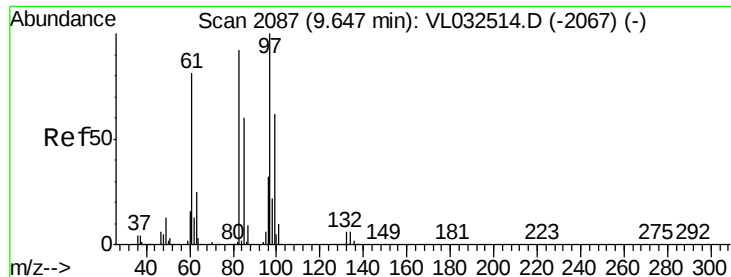
Tgt Ion: 75 Resp: 1735001
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.2



#46
 cis-1,3-Dichloropropene
 Concen: 9.709 ppbv
 RT: 8.87 min Scan# 1845
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion: 75 Resp: 1712720
 Ion Ratio Lower Upper
 75 100
 39 60.3 48.9 73.3
 77 31.5 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 9.588 ppbv

RT: 9.65 min Scan# 2088

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

Tgt Ion: 97 Resp: 1388963

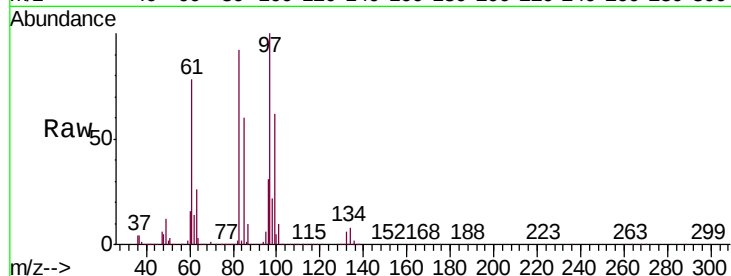
Ion Ratio Lower Upper

97 100

83 92.3 75.0 112.4

85 60.0 47.5 71.3

99 62.3 49.0 73.6

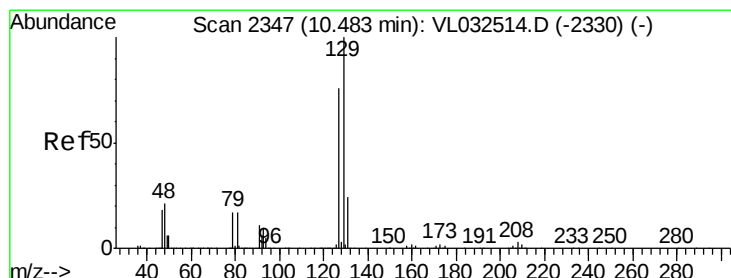
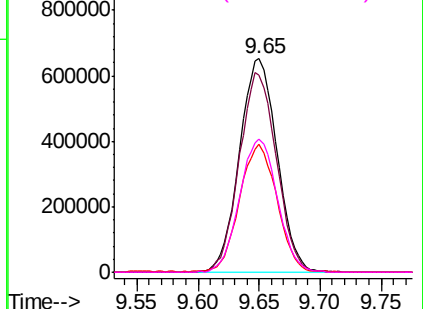
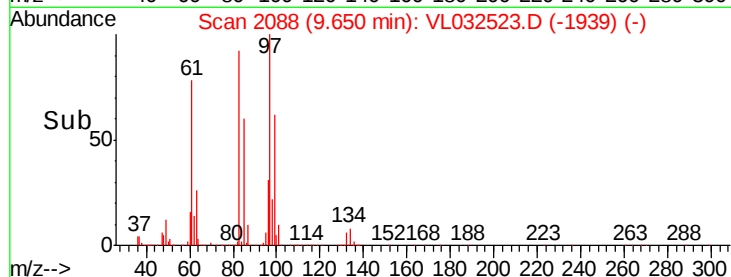


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.011 ppbv

RT: 10.49 min Scan# 2348

Delta R.T. -0.02 min

Lab File: VL032523.D

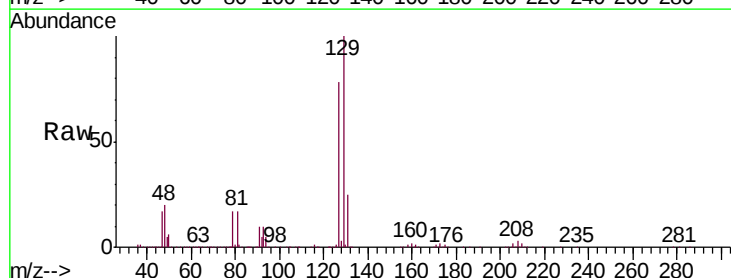
Acq: 25 Sep 2018 00:17

Tgt Ion: 129 Resp: 2280345

Ion Ratio Lower Upper

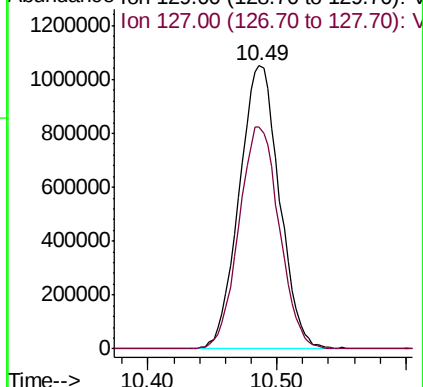
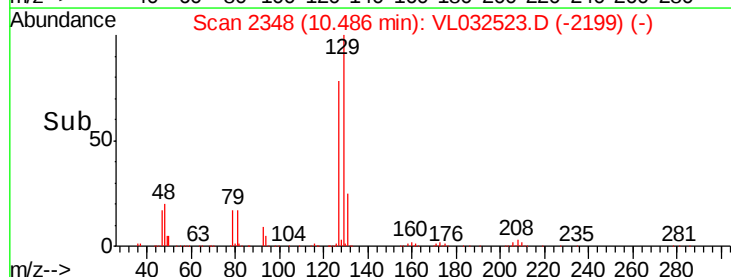
129 100

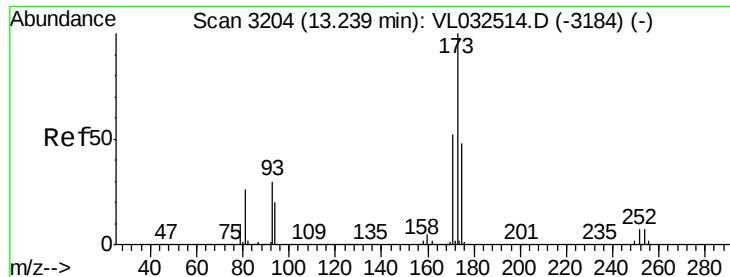
127 78.9 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.091 ppbv

RT: 13.24 min Scan# 3203

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

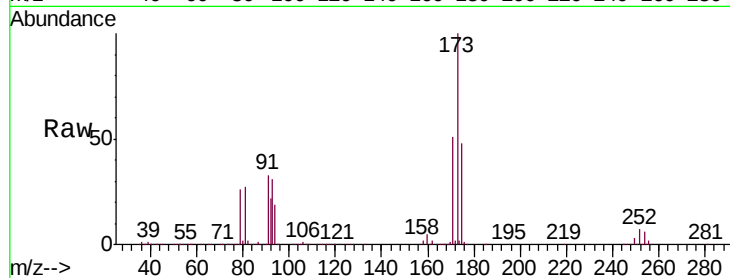
Tgt Ion:173 Resp: 1756503

Ion Ratio Lower Upper

173 100

175 48.6 38.9 58.3

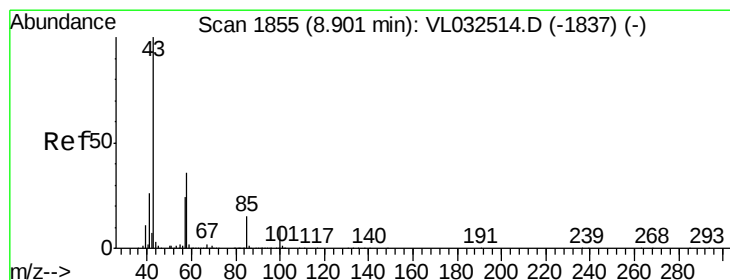
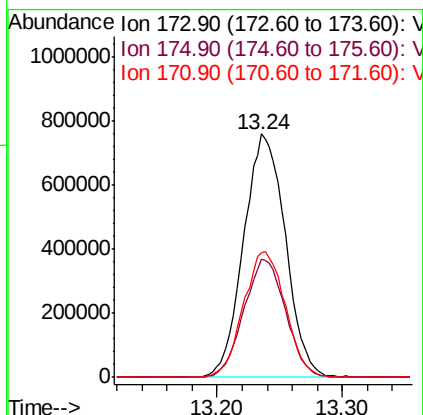
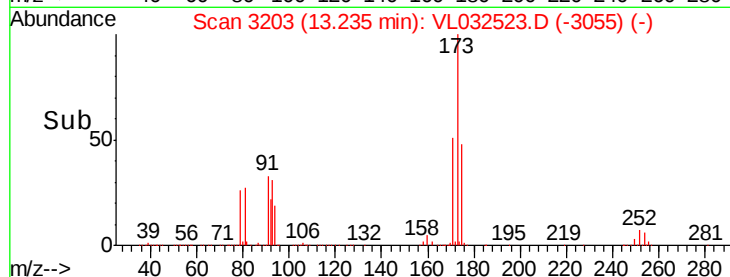
171 52.2 41.6 62.4



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: 8.832 ppbv

RT: 8.90 min Scan# 1855

Delta R.T. -0.02 min

Lab File: VL032523.D

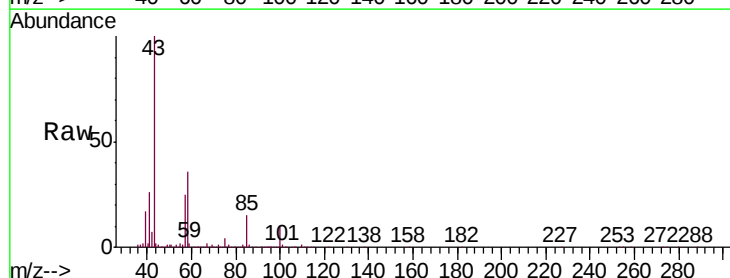
Acq: 25 Sep 2018 00:17

Tgt Ion: 43 Resp: 2960818

Ion Ratio Lower Upper

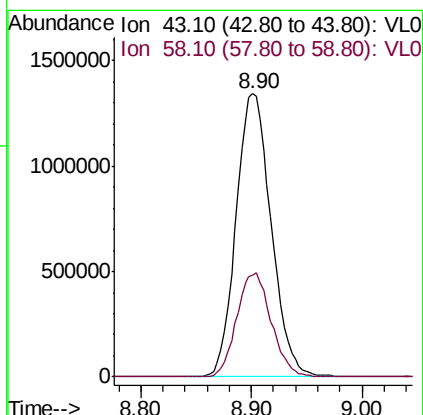
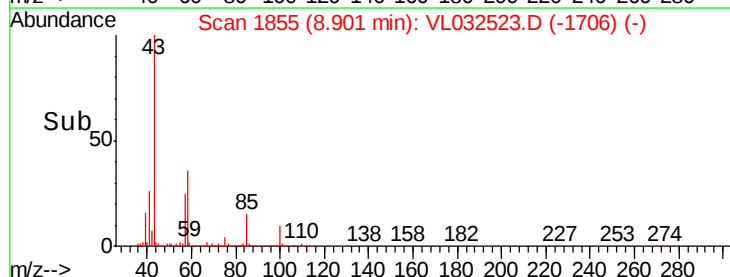
43 100

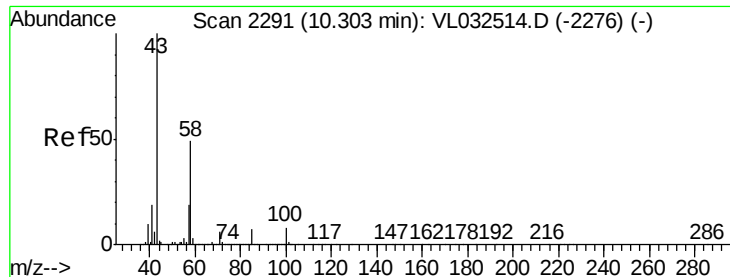
58 36.3 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

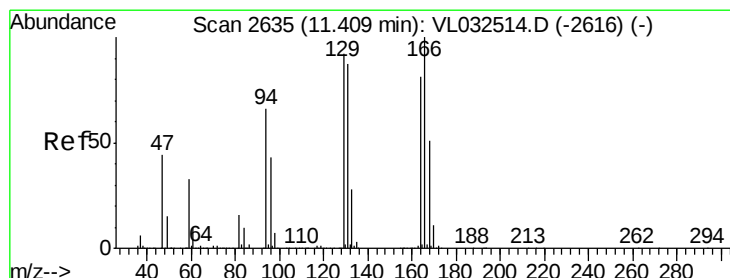
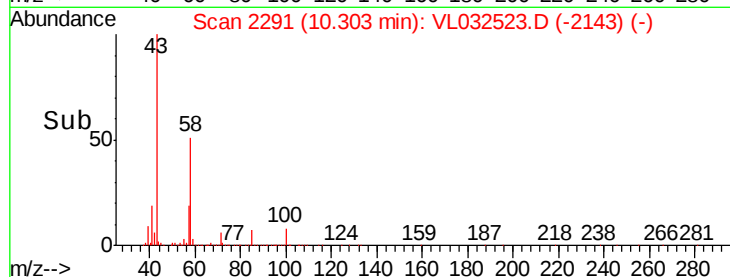
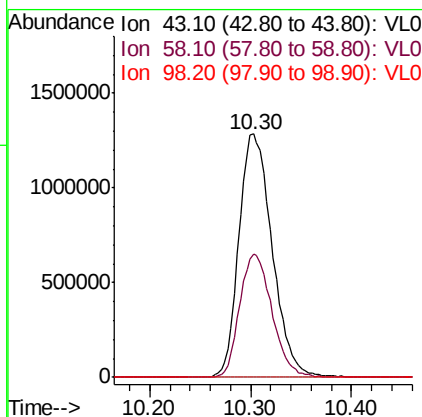
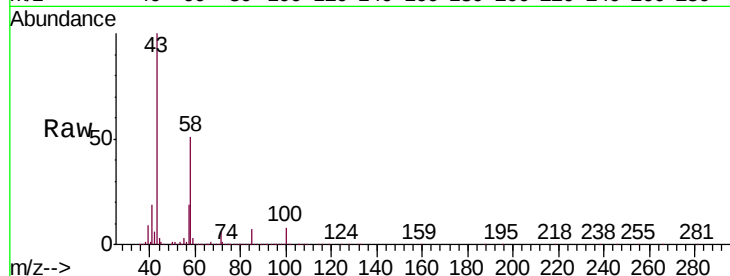




#51
2-Hexanone
Concen: 10.586 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

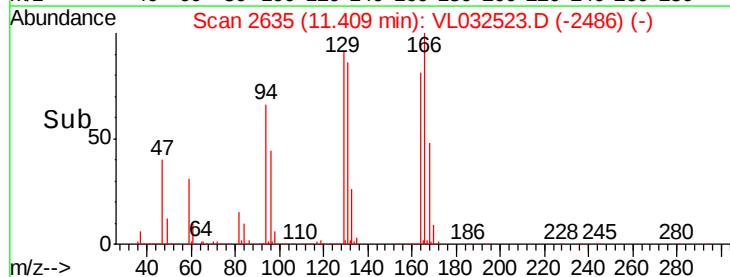
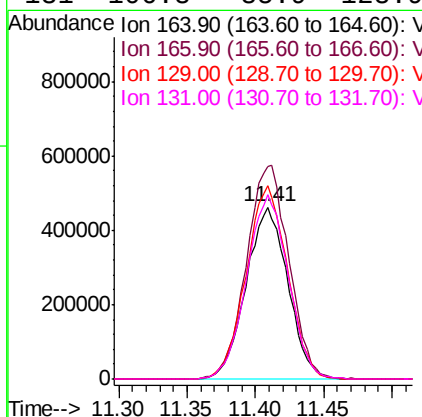
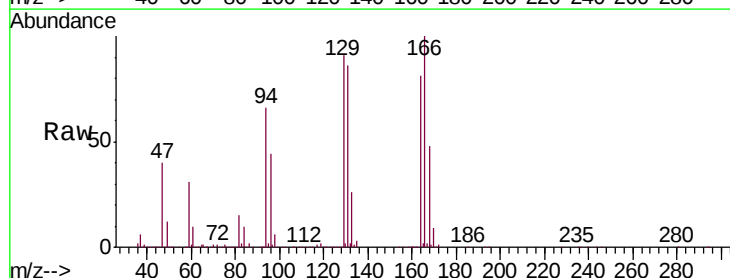
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

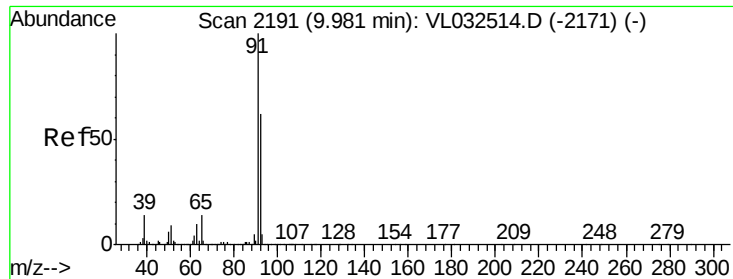
Tgt Ion: 43 Resp: 2935190
Ion Ratio Lower Upper
43 100
58 49.6 39.2 58.8
98 0.2 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.695 ppbv
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 164 Resp: 977040
Ion Ratio Lower Upper
164 100
166 123.7 100.6 150.8
129 112.4 89.9 134.9
131 106.8 85.9 128.9





#53

Toluene

Concen: 10.920 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

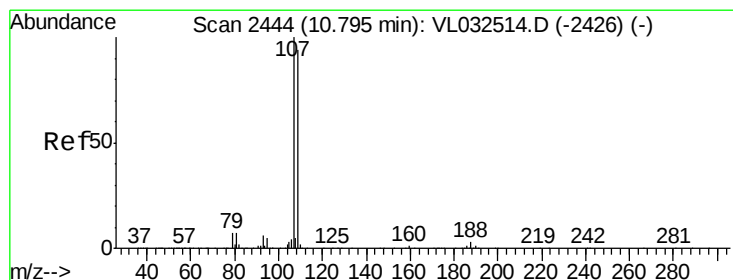
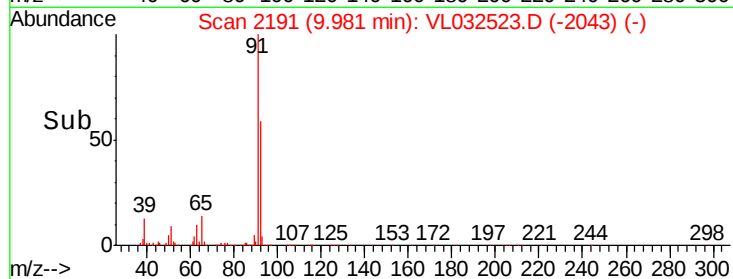
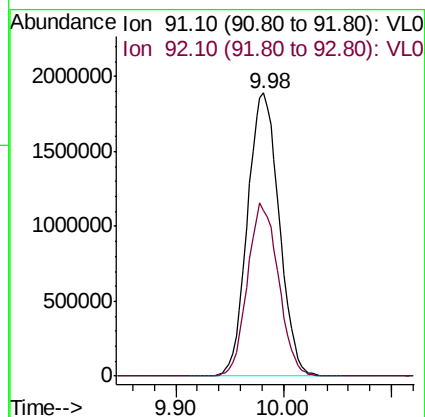
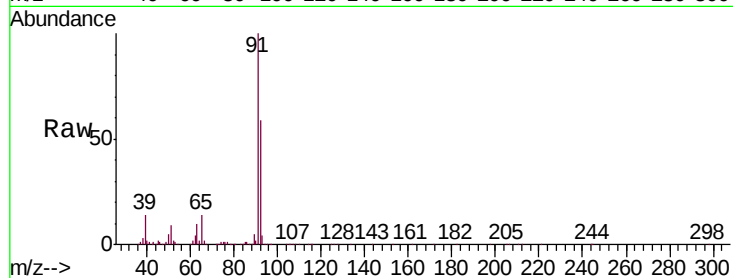
VL0924ABS01

Tgt Ion: 91 Resp: 3851633

Ion Ratio Lower Upper

91 100

92 60.0 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.030 ppbv

RT: 10.79 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032523.D

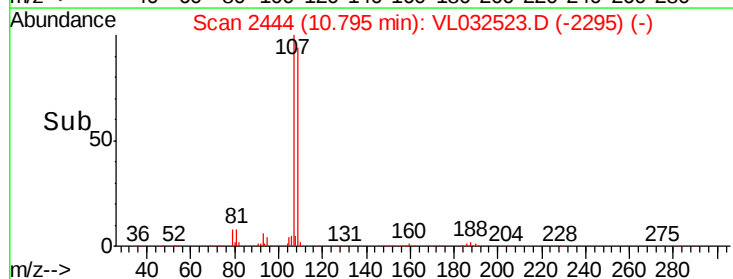
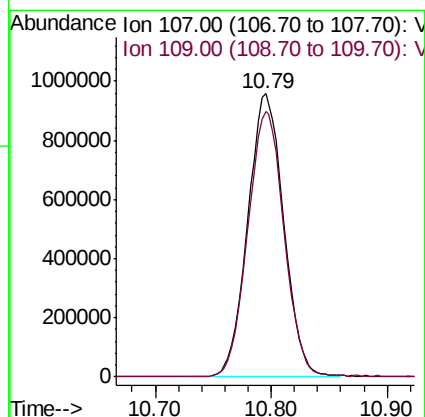
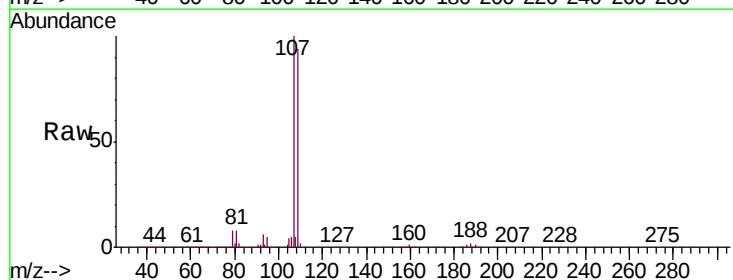
Acq: 25 Sep 2018 00:17

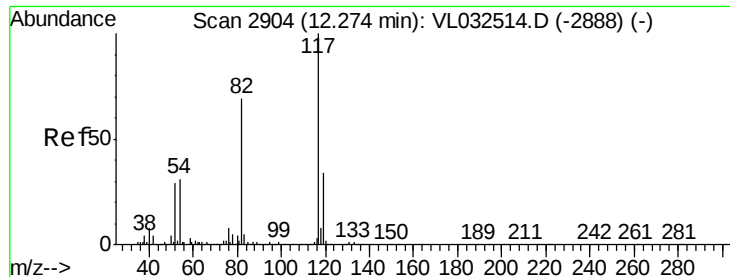
Tgt Ion: 107 Resp: 2066588

Ion Ratio Lower Upper

107 100

109 93.6 73.9 110.9

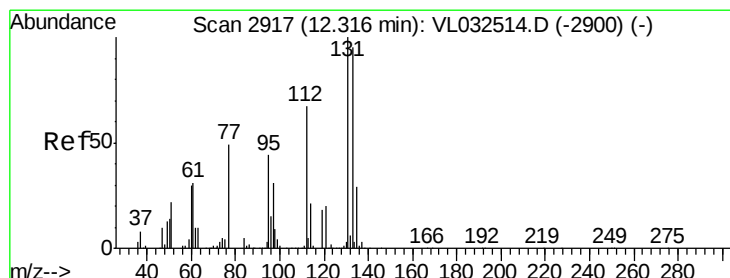
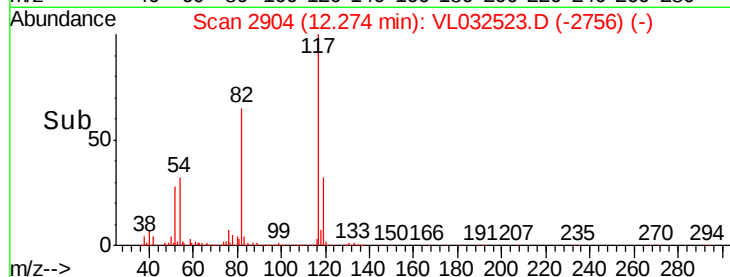
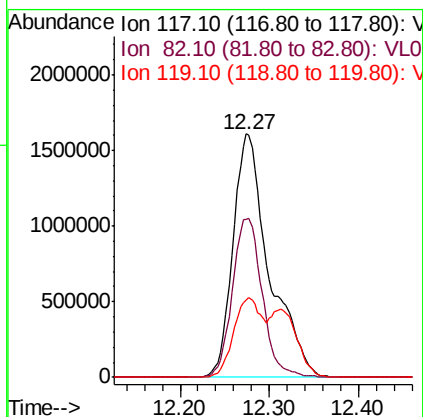
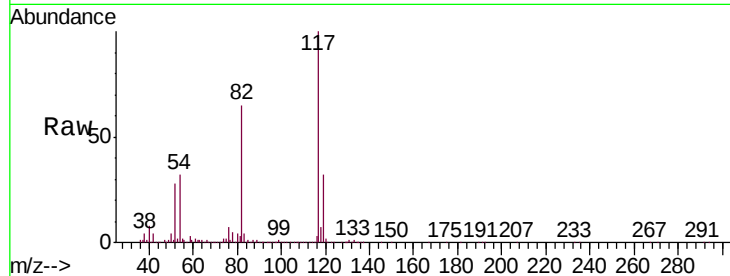




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

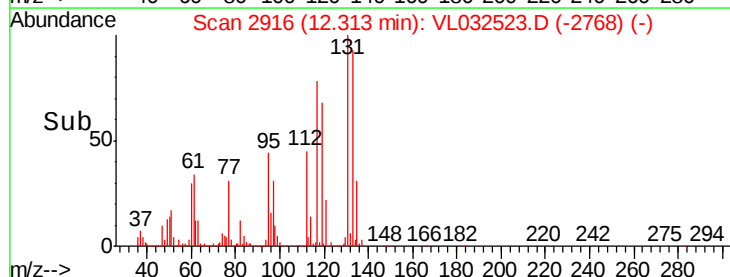
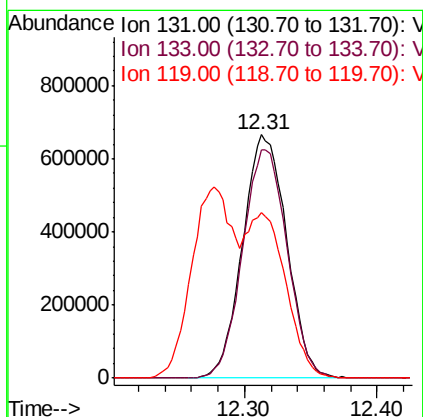
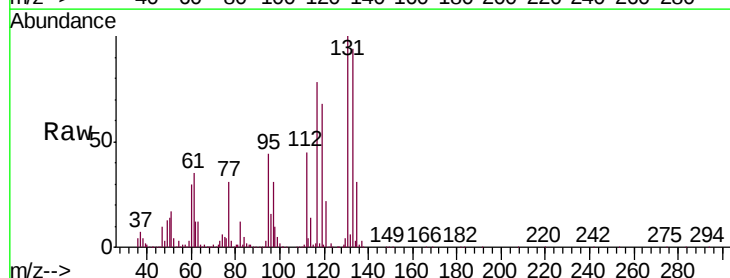
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

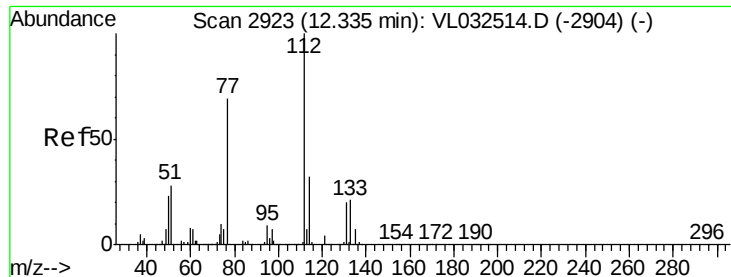
Tgt Ion:117 Resp: 4535444
Ion Ratio Lower Upper
117 100
82 54.0 53.0 79.6
119 46.8 45.9 68.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.527 ppbv
RT: 12.31 min Scan# 2916
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion:131 Resp: 1534485
Ion Ratio Lower Upper
131 100
133 95.3 77.0 115.4
119 61.7 114.2 171.2#





#57

Chlorobenzene

Concen: 7.341 ppbv

RT: 12.34 min Scan# 2924

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

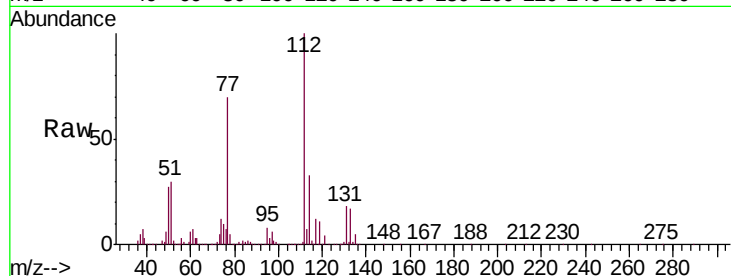
Tgt Ion: 112 Resp: 2681970

Ion Ratio Lower Upper

112 100

77 69.7 56.1 84.1

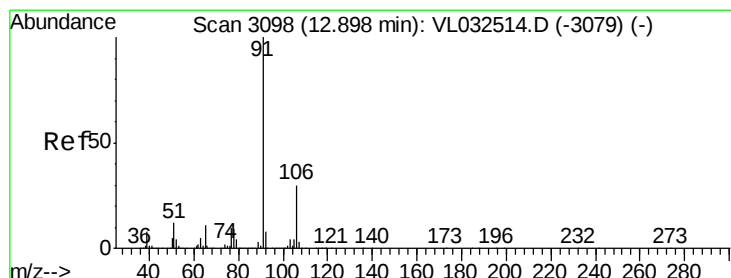
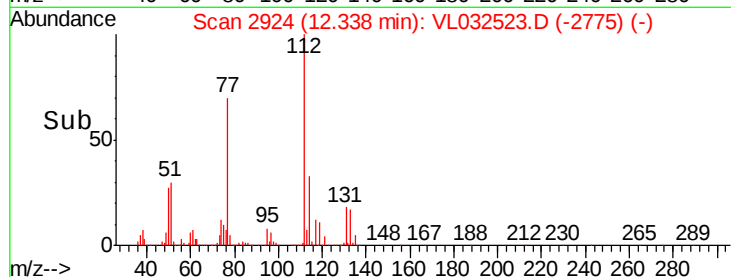
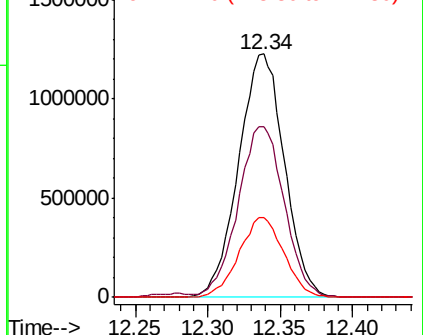
114 32.8 27.8 34.0



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: 8.727 ppbv

RT: 12.90 min Scan# 3099

Delta R.T. -0.02 min

Lab File: VL032523.D

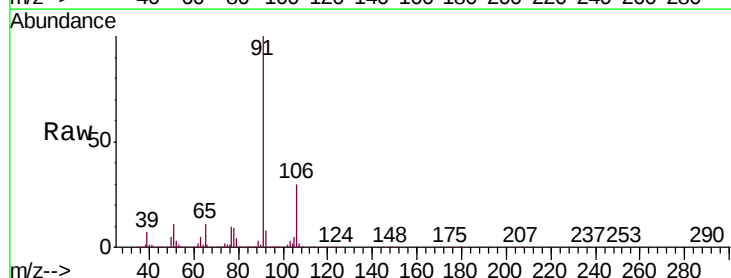
Acq: 25 Sep 2018 00:17

Tgt Ion: 91 Resp: 4801239

Ion Ratio Lower Upper

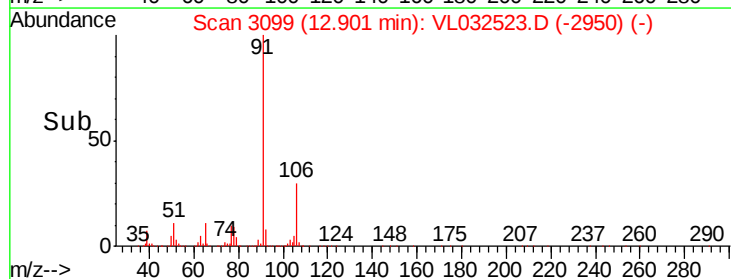
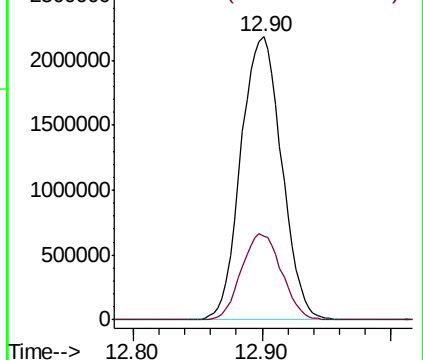
91 100

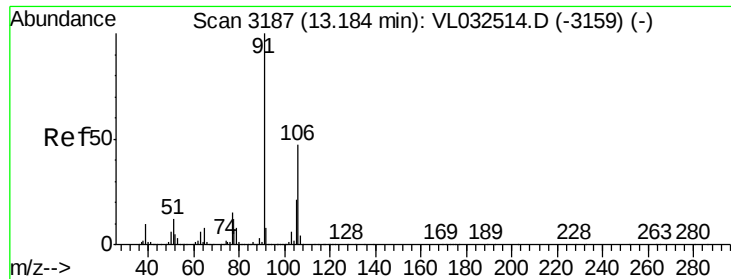
106 29.6 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

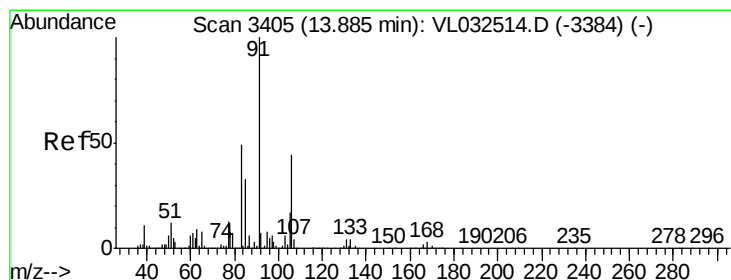
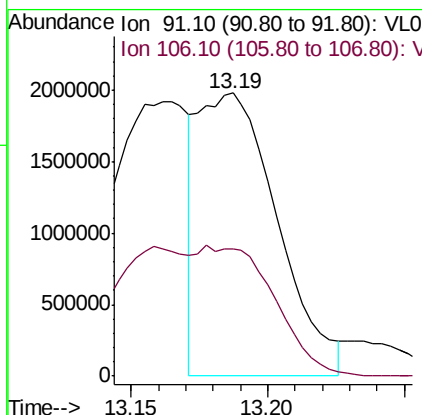
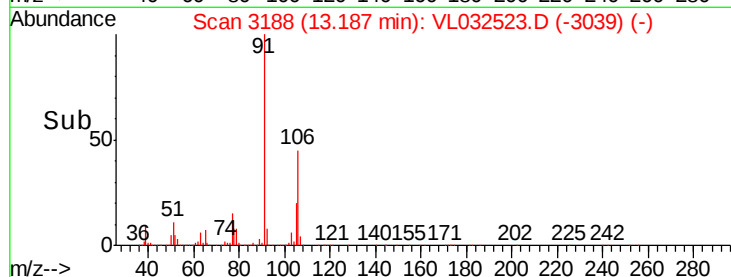
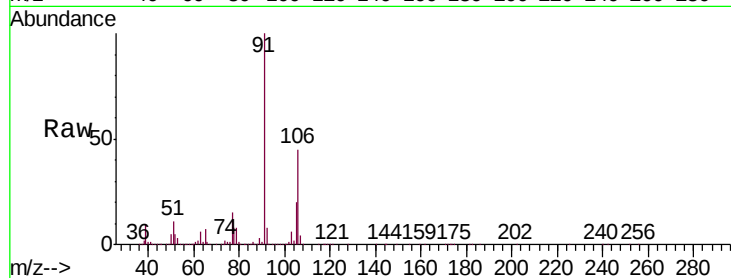




#59
m/p-Xylene
Concen: 8.079 ppbv
RT: 13.19 min Scan# 3188
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

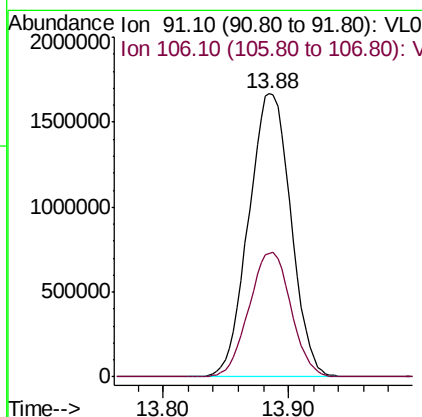
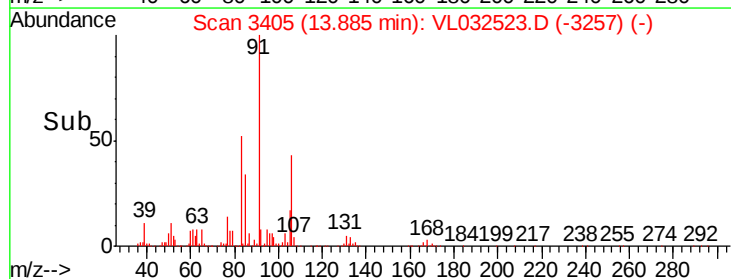
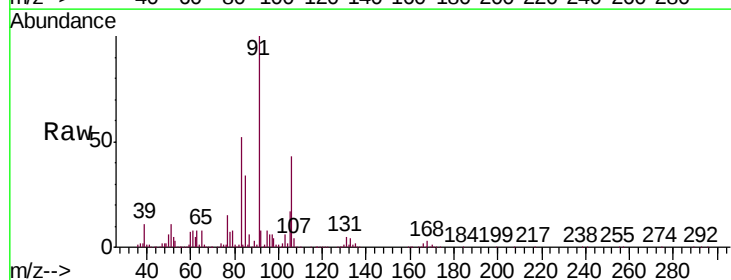
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

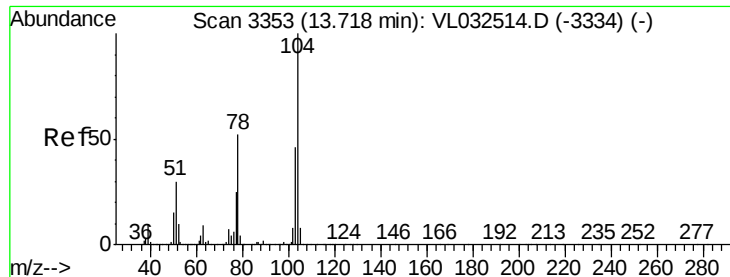
Tgt Ion: 91 Resp: 3954437
Ion Ratio Lower Upper
91 100
106 90.8 36.6 55.0#



#60
o-Xylene
Concen: 8.188 ppbv
RT: 13.88 min Scan# 3405
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 91 Resp: 3902252
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.7





#61

Styrene

Concen: 9.160 ppbv

RT: 13.72 min Scan# 3354

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

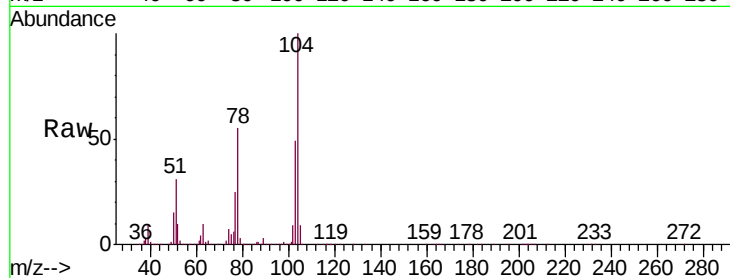
Tgt Ion:104 Resp: 2855590

Ion Ratio Lower Upper

104 100

78 52.6 41.8 62.8

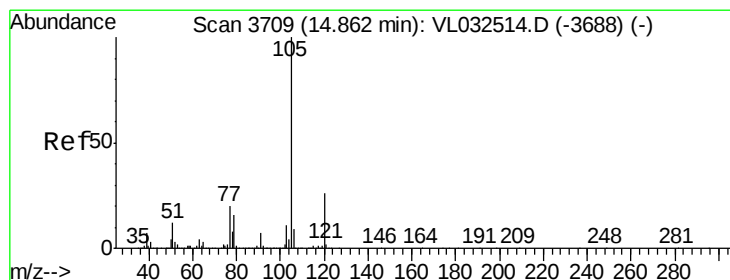
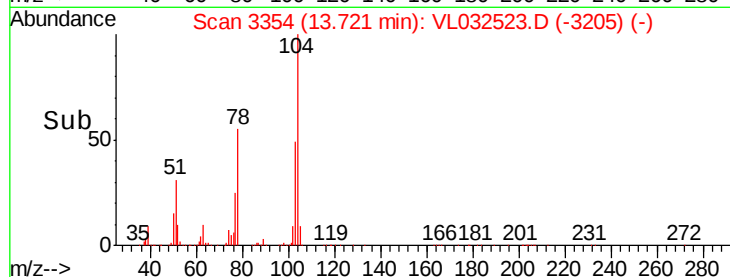
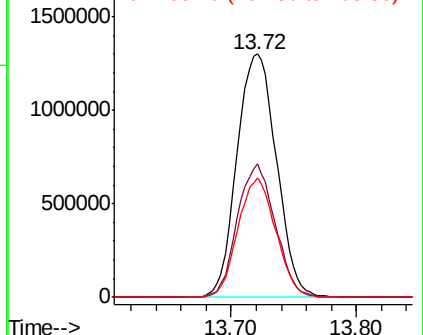
103 47.0 38.0 57.0



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: 8.104 ppbv

RT: 14.86 min Scan# 3709

Delta R.T. -0.02 min

Lab File: VL032523.D

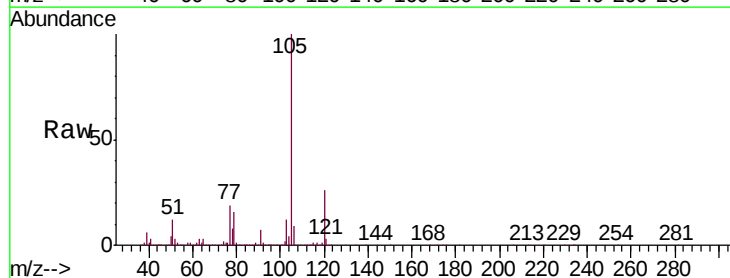
Acq: 25 Sep 2018 00:17

Tgt Ion:105 Resp: 5462197

Ion Ratio Lower Upper

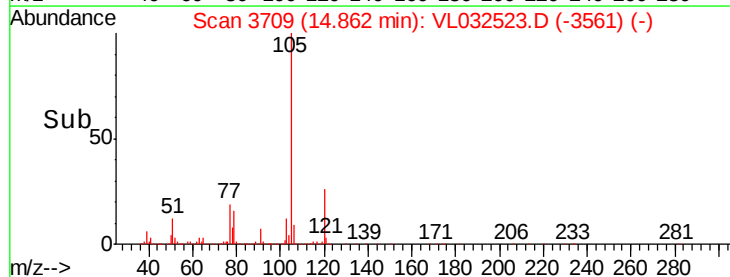
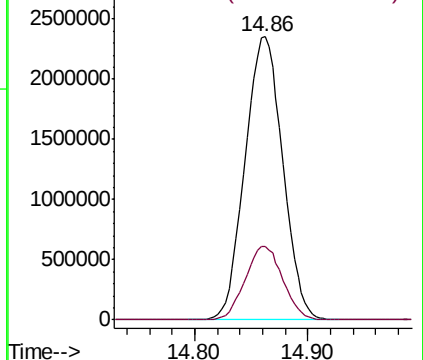
105 100

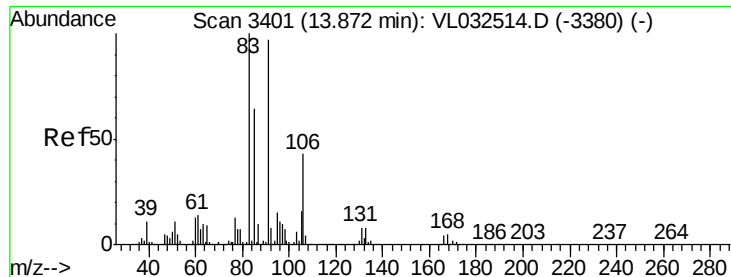
120 25.8 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

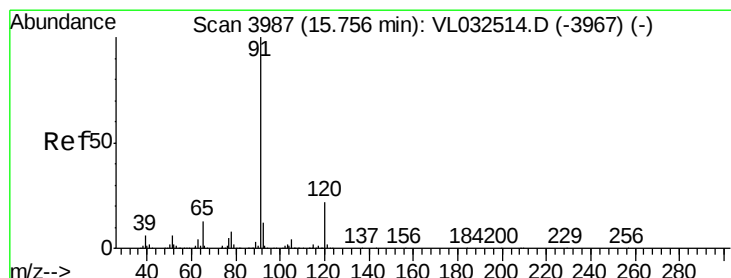
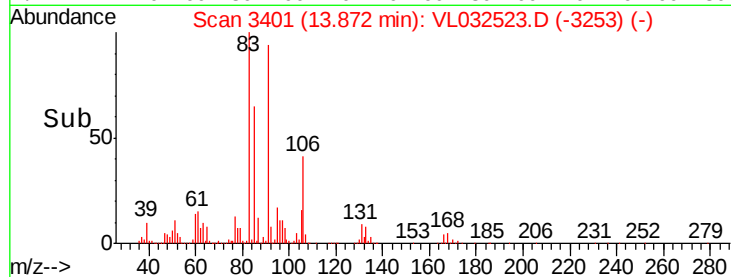
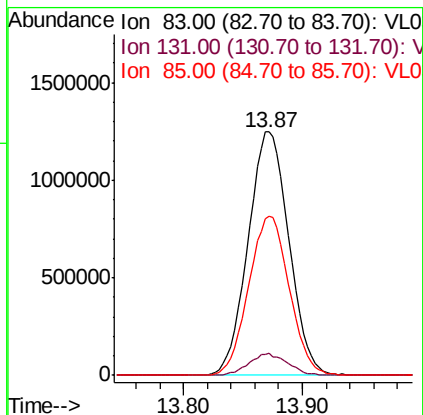
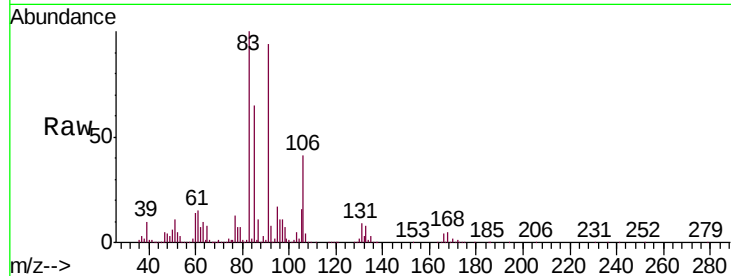




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.992 ppbv
 RT: 13.87 min Scan# 3401
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

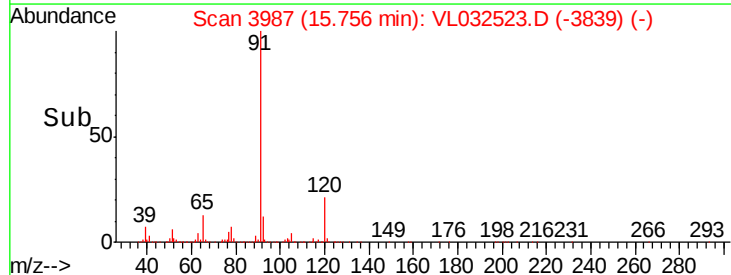
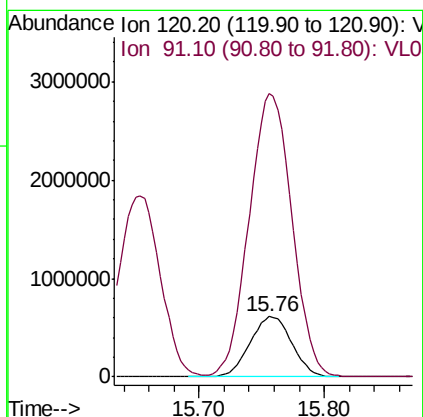
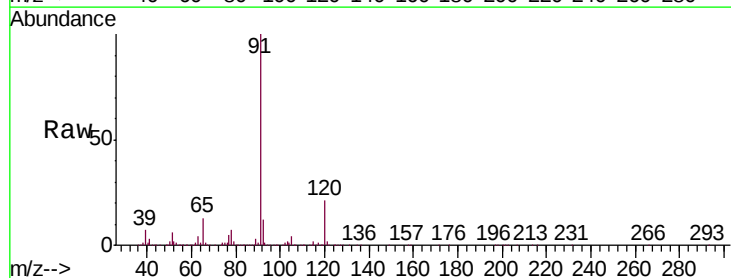
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

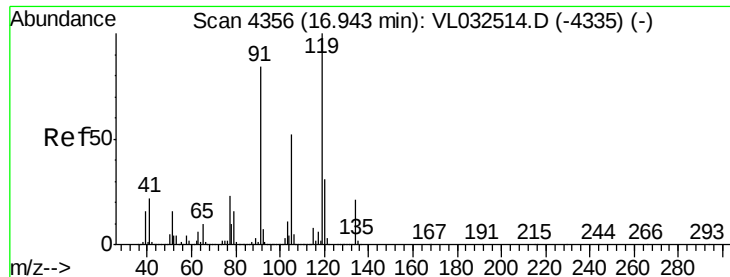
Tgt Ion: 83 Resp: 2960445
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.3 12.8
 85 65.1 32.3 96.8



#64
 n-propylbenzene
 Concen: 8.216 ppbv
 RT: 15.76 min Scan# 3987
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion: 120 Resp: 1422573
 Ion Ratio Lower Upper
 120 100
 91 482.0 381.8 572.6





#65

tert-Butylbenzene

Concen: 7.966 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

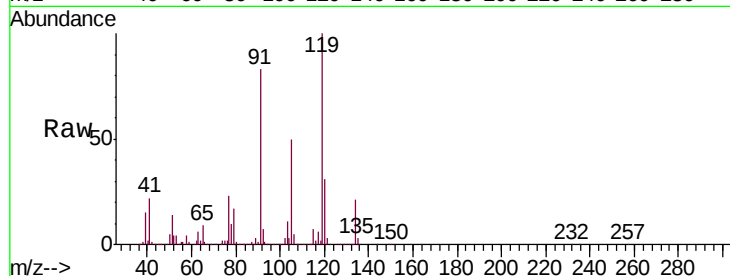
Tgt Ion: 119 Resp: 4601359

Ion Ratio Lower Upper

119 100

91 83.4 66.5 99.7

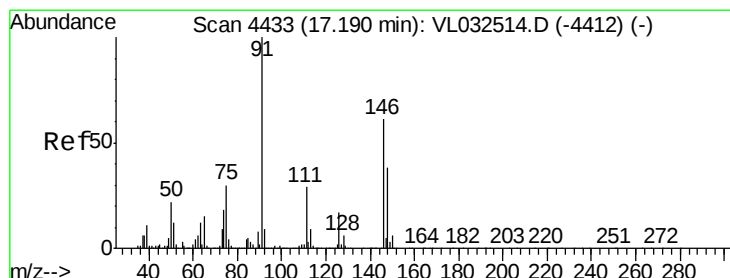
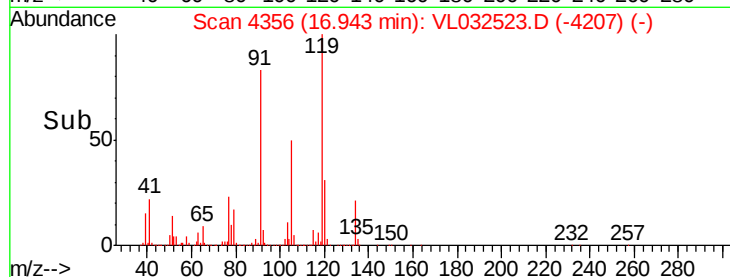
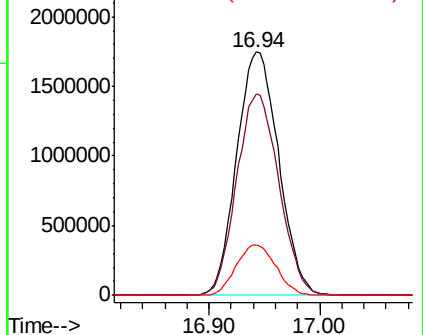
134 19.9 16.0 24.0



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.218 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

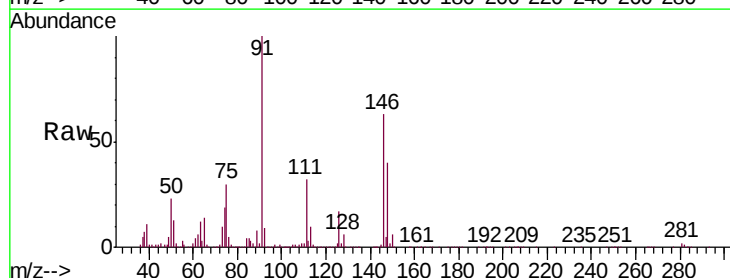
Tgt Ion: 91 Resp: 2736179

Ion Ratio Lower Upper

91 100

126 17.4 13.8 20.8

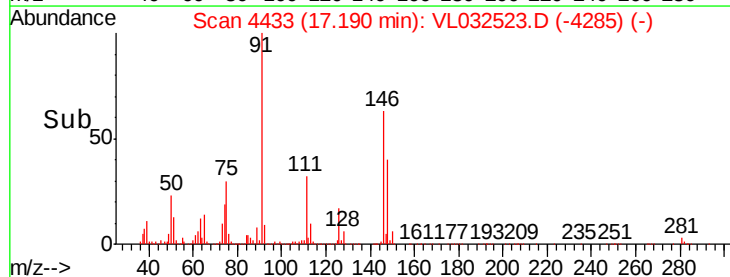
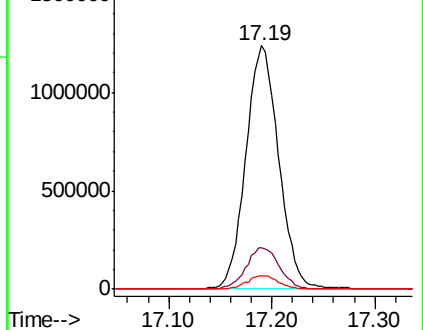
128 5.4 4.4 6.6

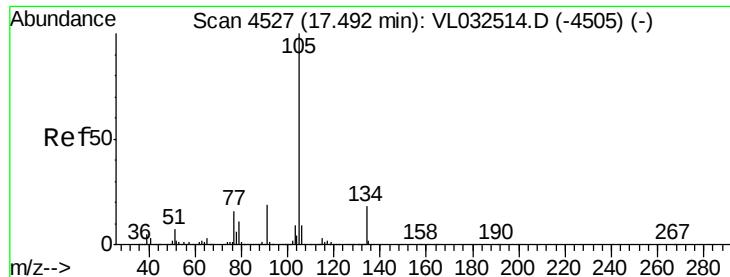


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.932 ppbv

RT: 17.50 min Scan# 4528

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

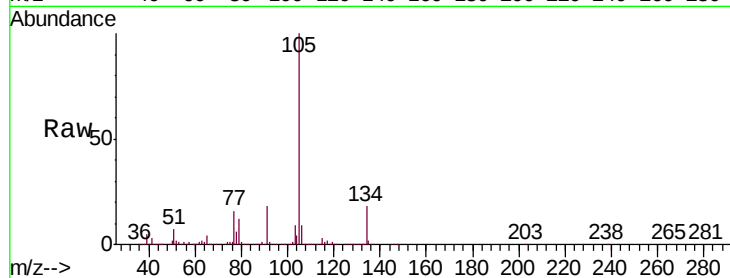
VL0924ABS01

Tgt Ion:105 Resp: 6812188

Ion Ratio Lower Upper

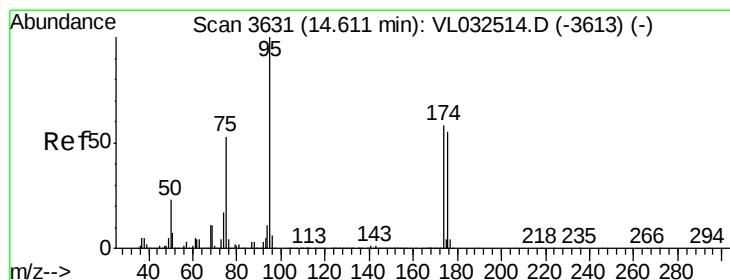
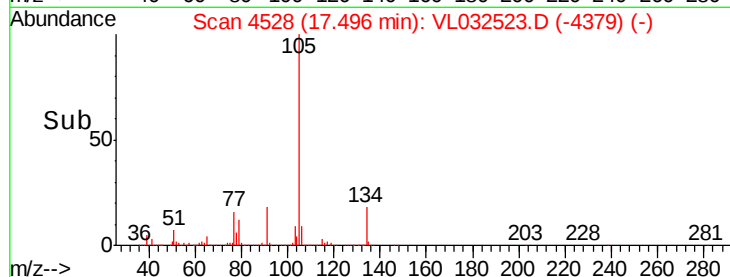
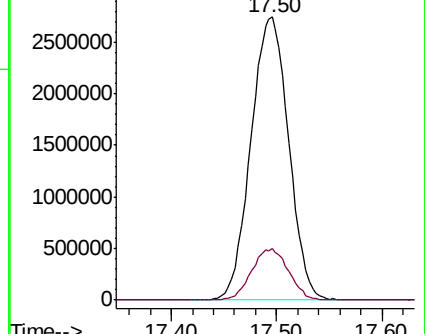
105 100

134 17.9 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.166 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

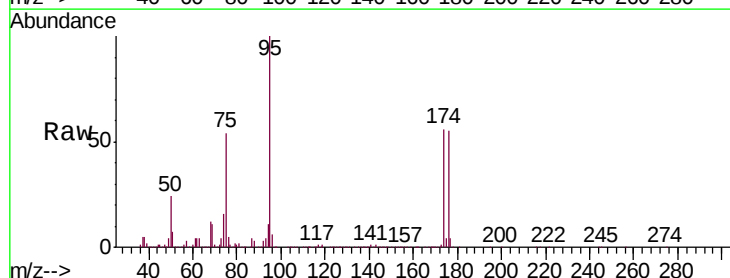
Tgt Ion: 95 Resp: 2793047

Ion Ratio Lower Upper

95 100

174 58.0 46.3 69.5

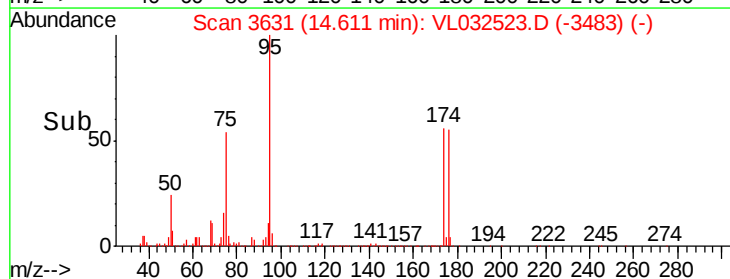
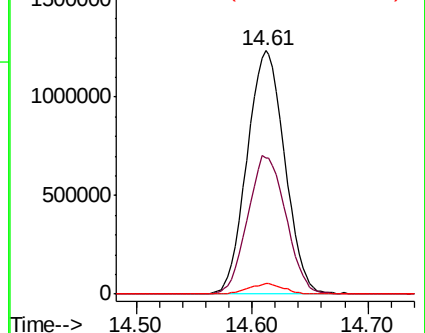
175 4.1 3.4 5.0

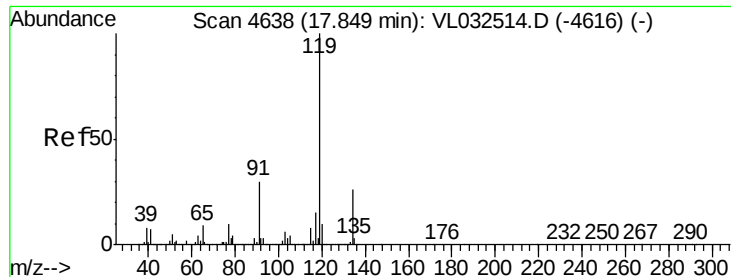


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

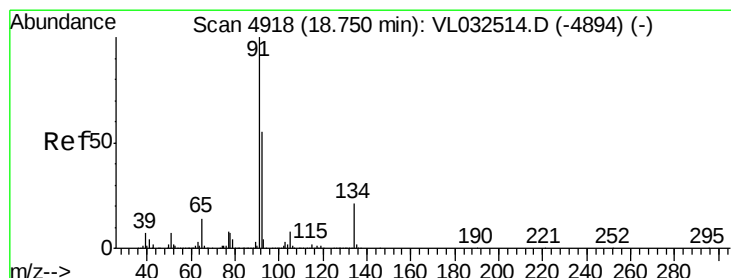
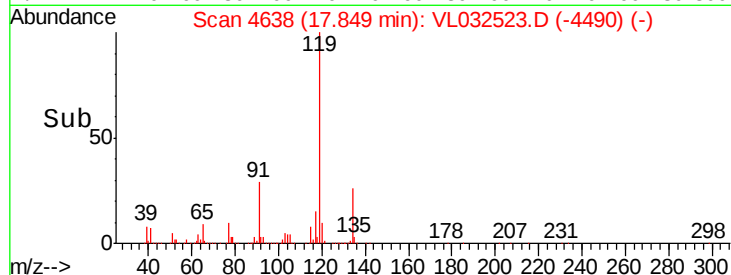
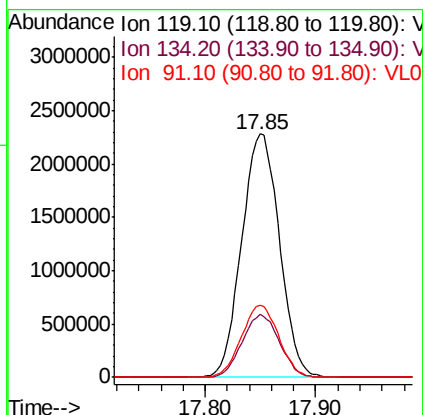
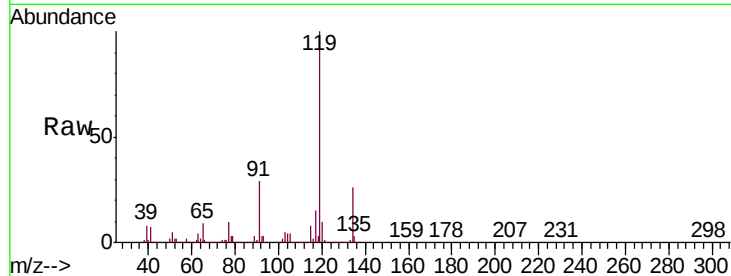




#69
p-Isopropyltoluene
Concen: 8.178 ppbv
RT: 17.85 min Scan# 4638
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

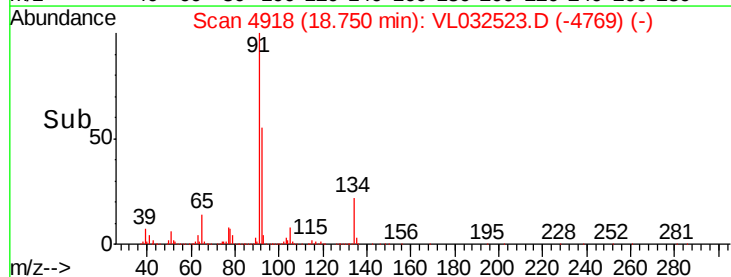
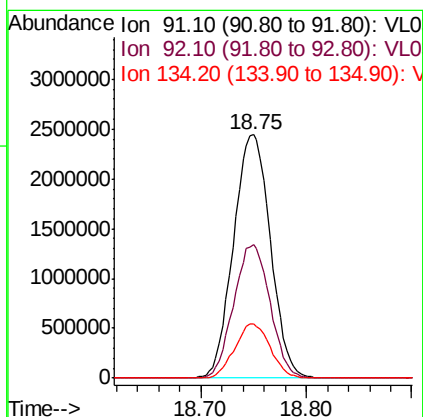
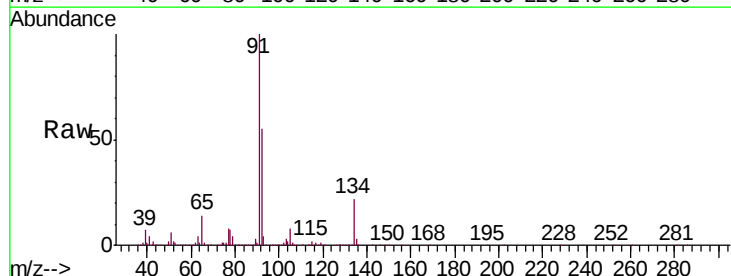
Instrument :
MSVOA_L
ClientSampleId :
VL0924ABS01

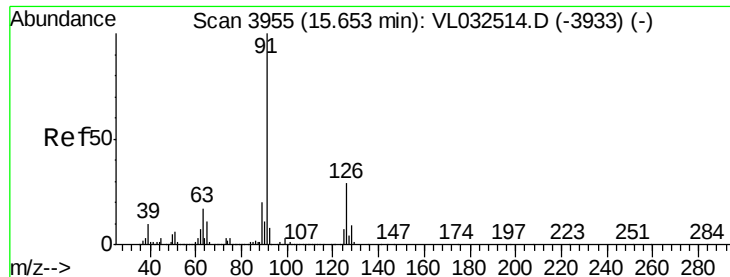
Tgt Ion: 119 Resp: 5424976
Ion Ratio Lower Upper
119 100
134 25.5 20.4 30.6
91 29.5 23.4 35.2



#70
n-Butylbenzene
Concen: 8.187 ppbv
RT: 18.75 min Scan# 4918
Delta R.T. -0.02 min
Lab File: VL032523.D
Acq: 25 Sep 2018 00:17

Tgt Ion: 91 Resp: 5932234
Ion Ratio Lower Upper
91 100
92 54.1 43.8 65.8
134 21.5 17.4 26.0

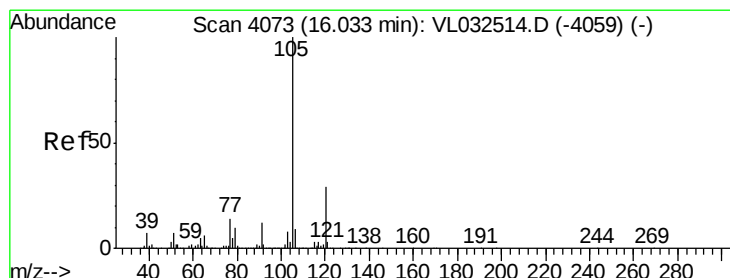
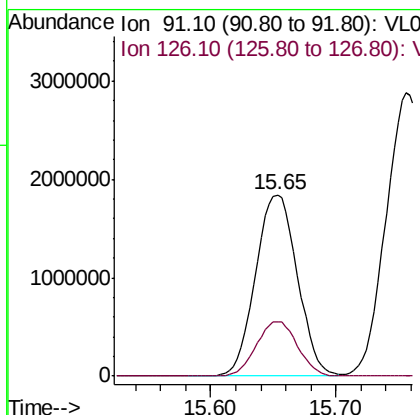
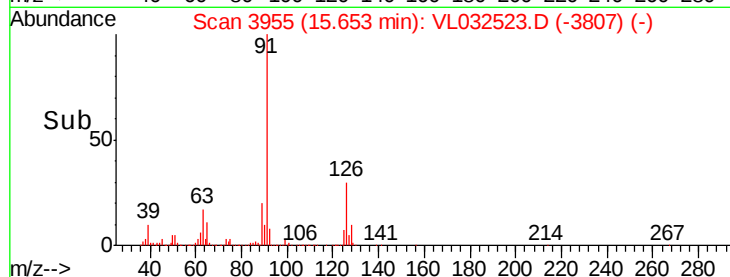
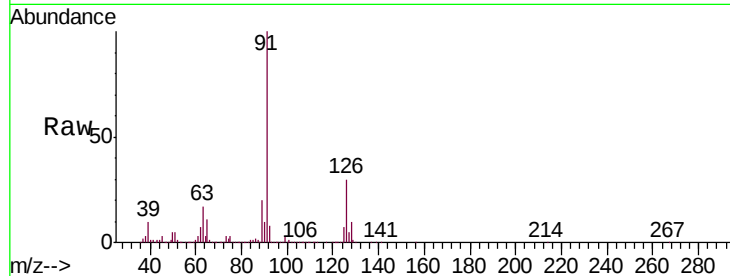




#71
 2-Chlorotoluene
 Concen: 8.320 ppbv
 RT: 15.65 min Scan# 3955
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

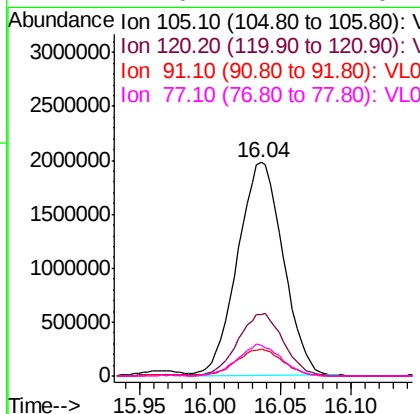
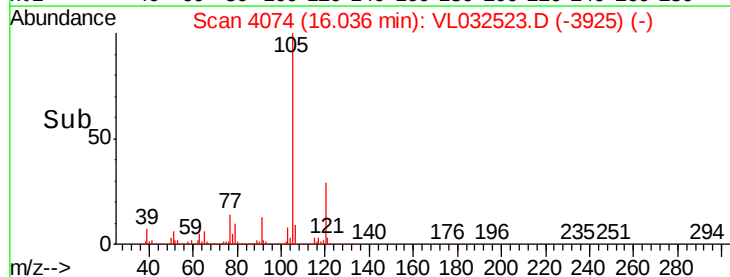
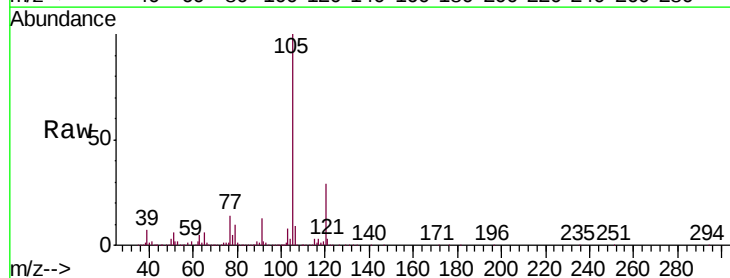
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

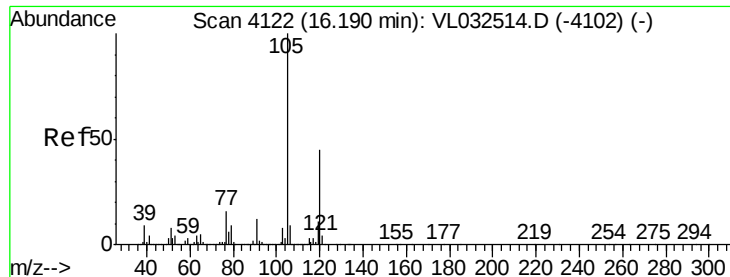
Tgt Ion: 91 Resp: 4270873
 Ion Ratio Lower Upper
 91 100
 126 29.8 11.9 47.7



#72
 4-Ethyltoluene
 Concen: 8.654 ppbv
 RT: 16.04 min Scan# 4074
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion: 105 Resp: 4476296
 Ion Ratio Lower Upper
 105 100
 120 29.1 23.5 35.3
 91 12.7 10.2 15.2
 77 14.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.506 ppbv

RT: 16.19 min Scan# 4123

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

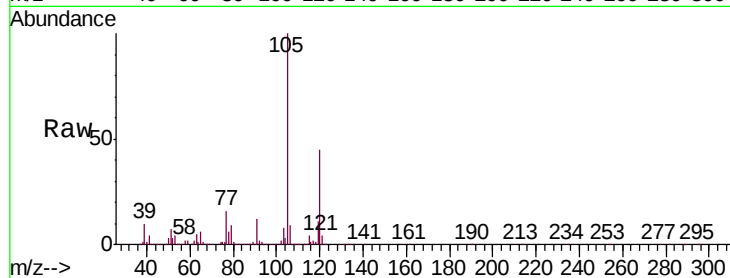
VL0924ABS01

Tgt Ion:105 Resp: 4275784

Ion Ratio Lower Upper

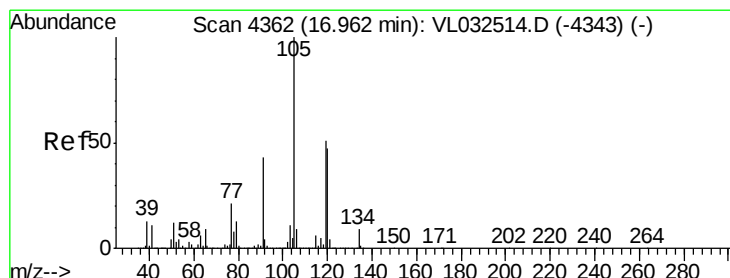
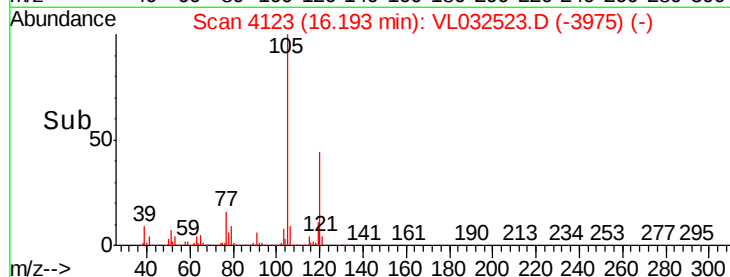
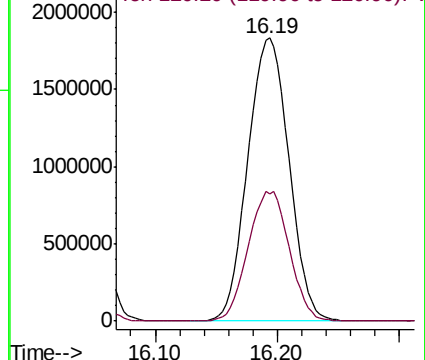
105 100

120 44.9 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.983 ppbv

RT: 16.96 min Scan# 4362

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Tgt Ion:105 Resp: 4321239

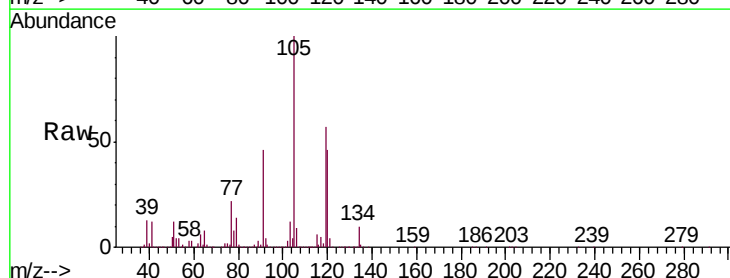
Ion Ratio Lower Upper

105 100

120 46.3 37.8 56.8

91 45.7 41.4 62.0

77 22.4 18.6 28.0

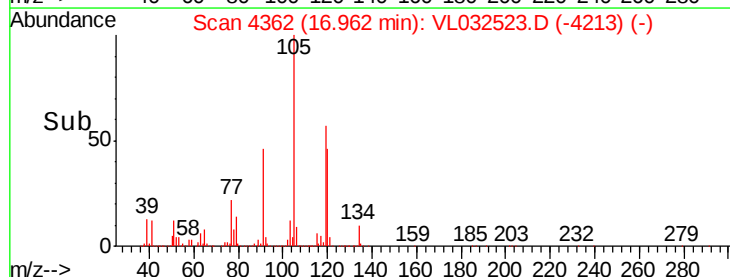
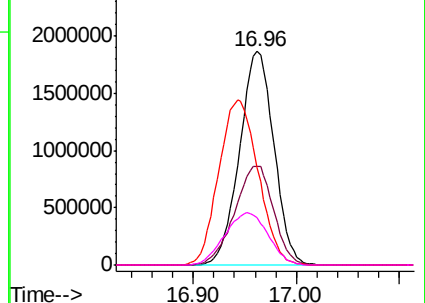


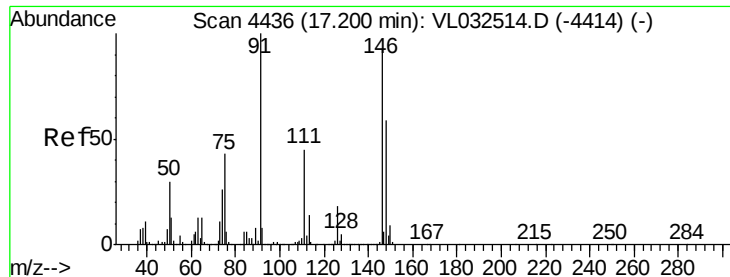
Abundance Ion 105.10 (104.80 to 105.80): V

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





#75

1,3-Dichlorobenzene

Concen: 7.130 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

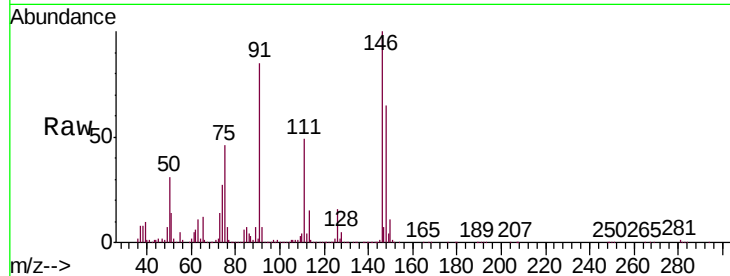
Tgt Ion:146 Resp: 2381311

Ion Ratio Lower Upper

146 100

111 48.8 24.5 73.5

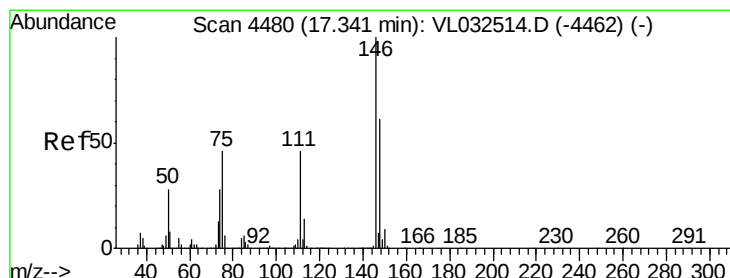
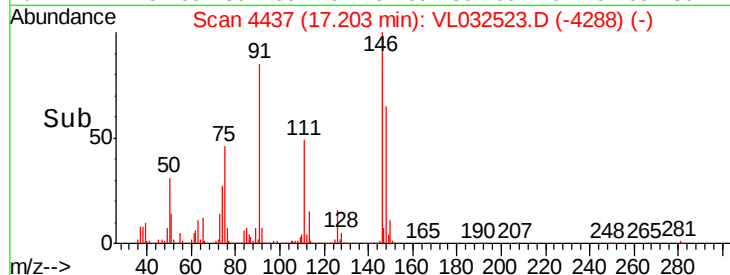
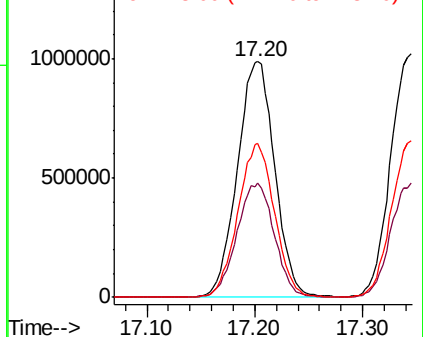
148 63.9 32.0 96.2



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: 7.801 ppbv

RT: 17.34 min Scan# 4481

Delta R.T. -0.02 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

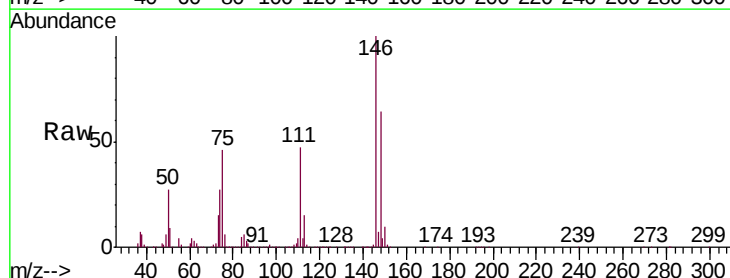
Tgt Ion:146 Resp: 2385812

Ion Ratio Lower Upper

146 100

111 46.8 23.4 70.2

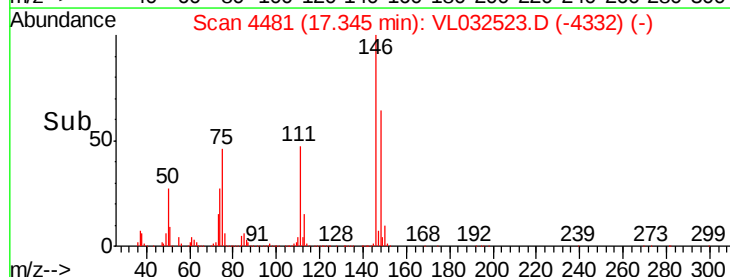
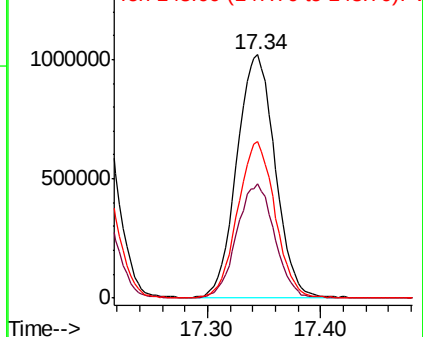
148 63.4 32.0 96.2

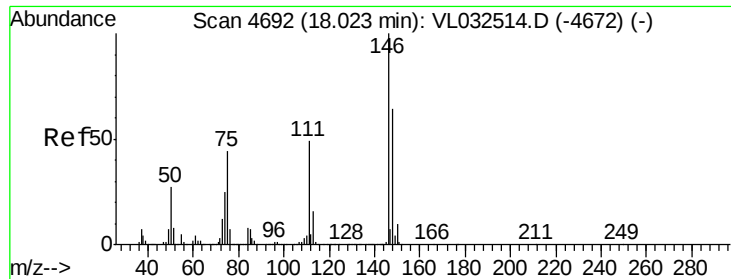


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

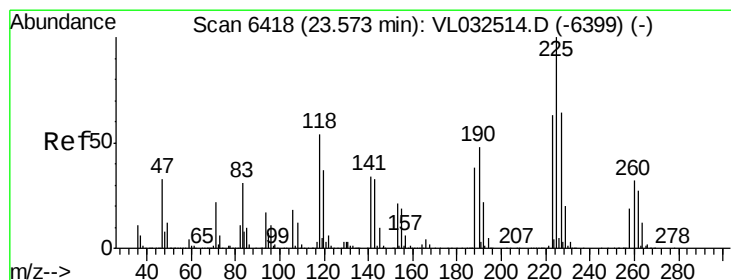
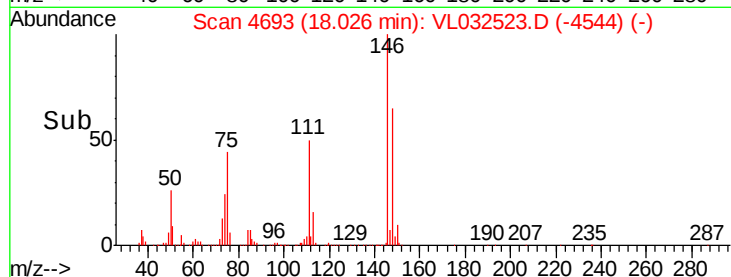
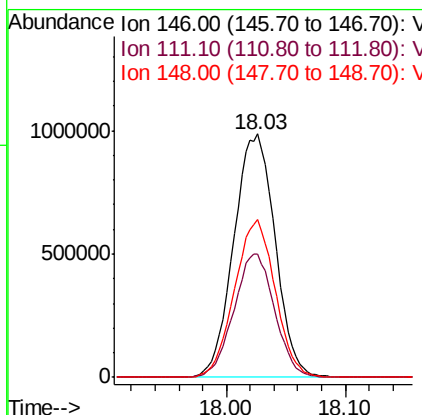
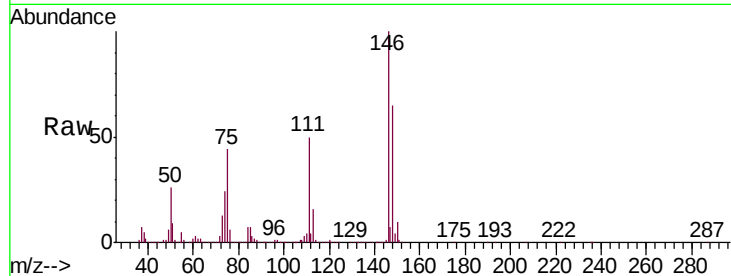




#77
 1,2-Dichlorobenzene
 Concen: 7.515 ppbv
 RT: 18.03 min Scan# 4693
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

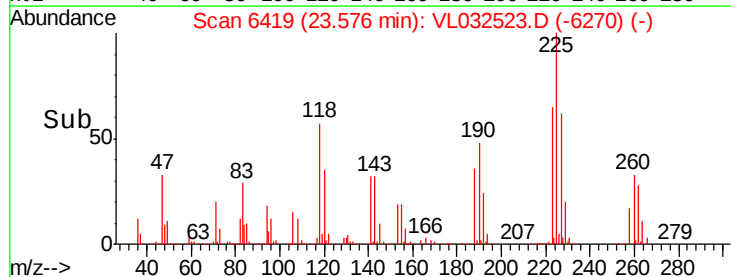
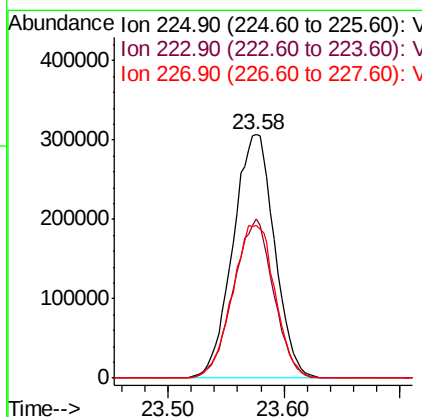
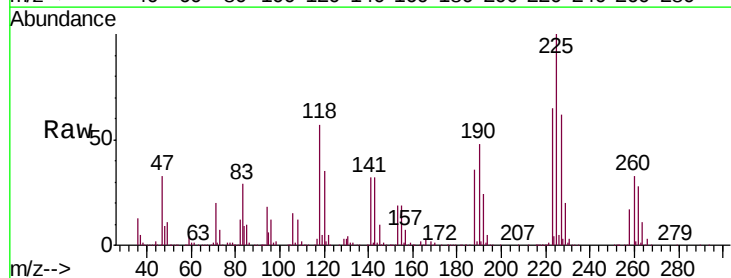
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

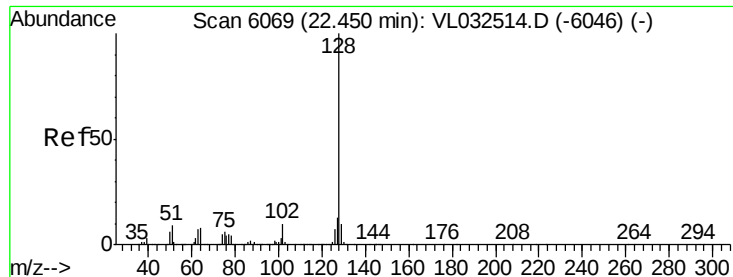
Tgt Ion:146 Resp: 2360463
 Ion Ratio Lower Upper
 146 100
 111 50.2 24.9 74.8
 148 63.9 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 6.464 ppbv
 RT: 23.58 min Scan# 6419
 Delta R.T. -0.02 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Tgt Ion:225 Resp: 761971
 Ion Ratio Lower Upper
 225 100
 223 63.0 50.6 76.0
 227 64.6 51.2 76.8





#79

Naphthalene

Concen: 9.583 ppbv

RT: 22.45 min Scan# 6069

Delta R.T. -0.03 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

Instrument :

MSVOA_L

ClientSampleId :

VL0924ABS01

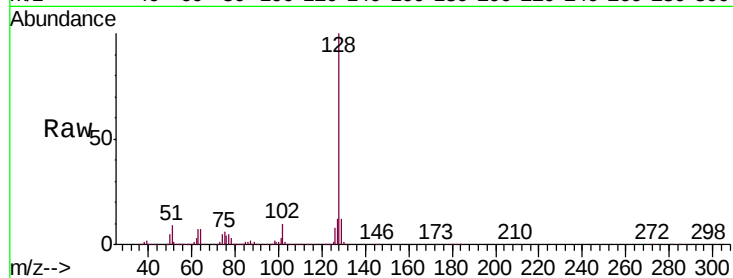
Tgt Ion:128 Resp: 3741039

Ion Ratio Lower Upper

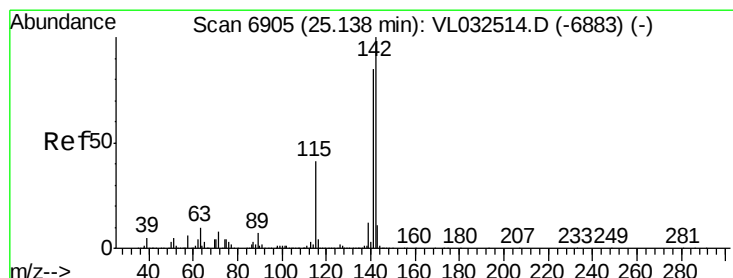
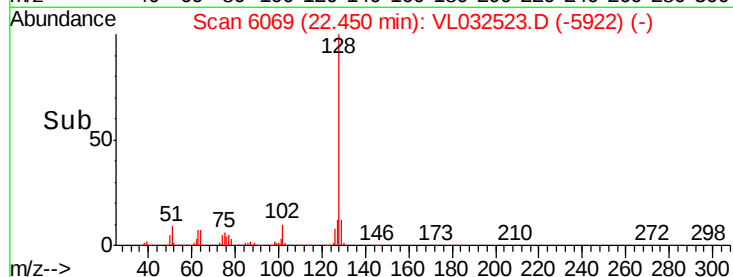
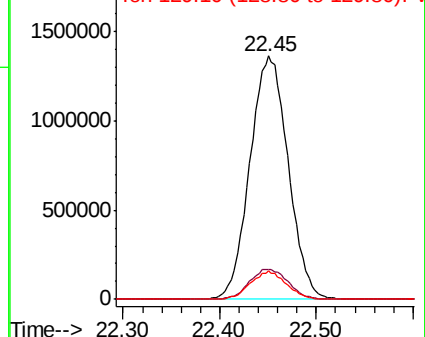
128 100

127 12.4 10.2 15.2

129 11.6 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: 12.862 ppbv

RT: 25.14 min Scan# 6905

Delta R.T. -0.01 min

Lab File: VL032523.D

Acq: 25 Sep 2018 00:17

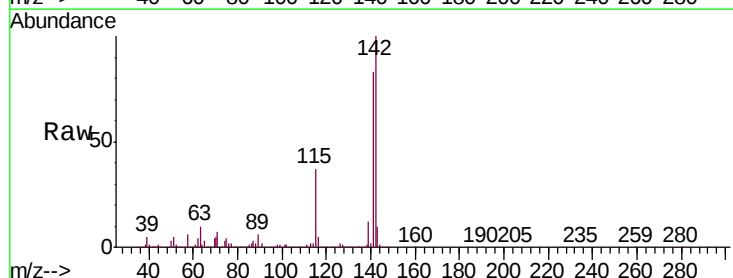
Tgt Ion:142 Resp: 1178794

Ion Ratio Lower Upper

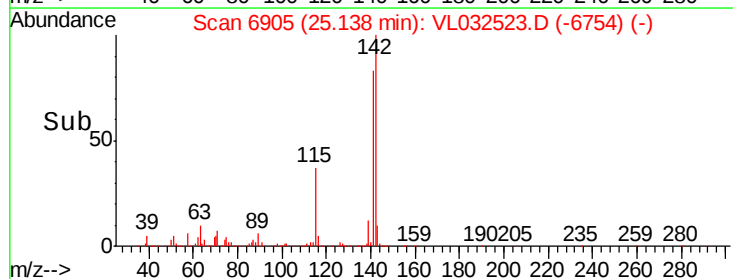
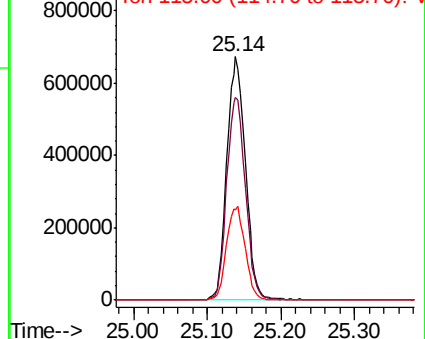
142 100

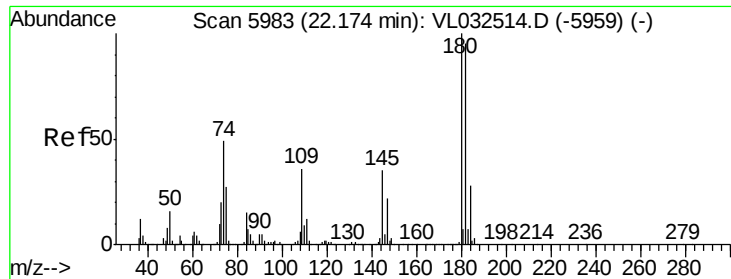
141 84.3 67.0 100.6

115 38.8 31.3 46.9



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V

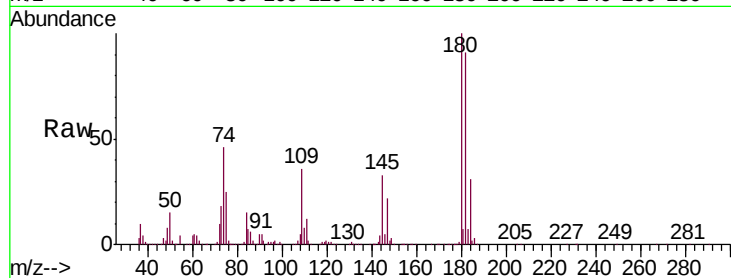




#81
 1,2,4-Trichlorobenzene
 Concen: 8.876 ppbv
 RT: 22.17 min Scan# 5983
 Delta R.T. -0.03 min
 Lab File: VL032523.D
 Acq: 25 Sep 2018 00:17

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0924ABS01

Tgt Ion:180 Resp: 1775986
 Ion Ratio Lower Upper
 180 100
 182 94.7 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

