

Data File : VL032517.D
Acq On : 24 Sep 2018 18:24
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Sep 24 18:57:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 24 18:32:13 2018
QLast Update : Mon Sep 24 18:32:13 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1572582	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3589155	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3469883	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2698444	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	104726	0.521	ppbv	97
3) Chlorodifluoromethane	3.03	51	71165	0.500	ppbv	99
4) Chloromethane	3.19	50	40889	0.474	ppbv	97
5) Vinyl Chloride	3.31	62	37084	0.436	ppbv	92
6) Bromomethane	3.53	94	21788	0.488	ppbv	91
7) Chloroethane	3.62	64	15230	0.517	ppbv	98
8) Dichlorotetrafluoroethane	3.24	85	90210	0.505	ppbv	98
9) Propene	3.05	41	27598	0.481	ppbv	99
10) Heptane	8.27	43	52417	0.254	ppbv #	42
11) Trichlorofluoromethane	4.02	101	99972	0.551	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.58	101	78514	0.639	ppbv	97
13) Ethanol	3.68	45	8516	0.476	ppbv	78
14) Bromoethene	3.81	108	25838	0.496	ppbv	97
15) Acetone	3.93	43	80791	0.570	ppbv	97
16) 1,3-Butadiene	3.38	39	29956	0.450	ppbv	93
18) 1,1-Dichloroethene	4.37	96	35217	0.627	ppbv	87
19) Isopropyl Alcohol	4.07	45	50690	0.546	ppbv #	92
20) Methylene Chloride	4.43	84	40708	0.754	ppbv	97
21) Allyl Chloride	4.50	41	57565	0.612	ppbv	98
22) trans-1,2-Dichloroethene	4.98	96	31701	0.520	ppbv	92
23) Vinyl Acetate	5.18	43	100528	0.428	ppbv #	92
24) 1,1-Dichloroethane	5.11	63	109437	0.566	ppbv	99
25) Ethyl Acetate	5.80	43	168654	0.504	ppbv	98
26) Hexane	5.80	57	73706	0.492	ppbv	89
27) Carbon Disulfide	4.65	76	80608	0.583	ppbv #	80
28) Methyl tert-Butyl Ether	5.15	73	80267	0.437	ppbv	99
29) Chloroform	5.87	83	128395	0.562	ppbv	98
30) Cyclohexane	7.28	84	50613	0.462	ppbv #	80
31) cis-1,2-Dichloroethene	5.66	61	62175	0.459	ppbv	95
32) 1,1,1-Trichloroethane	6.65	97	121059	0.569	ppbv	98
34) 2-Butanone	5.37	43	101355	0.425	ppbv	98
35) Carbon Tetrachloride	7.16	117	121768	0.505	ppbv	93
36) Benzene	7.03	78	132165	0.433	ppbv	96
37) 1,2-Dichloroethane	6.44	62	87158	0.466	ppbv	97
38) Trichloroethene	7.99	130	30148	0.260	ppbv #	84
39) 1,2-Dichloropropane	7.77	63	32378	0.248	ppbv	88
41) Tetrahydrofuran	6.20	42	23044	0.178	ppbv #	42
42) Bromodichloromethane	7.94	83	130896	0.507	ppbv	99
43) Methyl Methacrylate	8.17	69	48232	0.372	ppbv	98
44) 2,2,4-Trimethylpentane	8.02	57	252038	0.427	ppbv	94
45) t-1,3-Dichloropropene	9.45	75	55593	0.401	ppbv #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.87	75	65328	0.369	ppbv	94
47) 1,1,2-Trichloroethane	9.64	97	41092	0.296	ppbv	92
48) Dibromochloromethane	10.48	129	107822	0.560	ppbv	99
49) Bromoform	13.23	173	38144	0.228	ppbv #	27
50) 4-Methyl-2-Pentanone	8.92	43	145092	0.404	ppbv	97
51) 2-Hexanone	10.33	43	98336	0.425	ppbv #	93
52) Tetrachloroethene	11.41	164	44678	0.472	ppbv	93
53) Toluene	9.98	91	133585	0.418	ppbv	97
54) 1,2-Dibromoethane	10.79	107	93580	0.502	ppbv	92
56) 1,1,1,2-Tetrachloroethane	12.32	131	28300	0.181	ppbv #	1
57) Chlorobenzene	12.34	112	154372	0.557	ppbv #	94
58) Ethyl Benzene	12.90	91	166336	0.401	ppbv	95
59) m/p-Xylene	13.18	91	68340	0.185	ppbv #	1
60) o-Xylene	13.88	91	160040	0.440	ppbv	99
61) Styrene	13.72	104	80616	0.342	ppbv	97
62) Isopropylbenzene	14.86	105	238071	0.466	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.87	83	171936	0.529	ppbv	99
64) n-propylbenzene	15.76	120	28862	0.216	ppbv #	1
65) tert-Butylbenzene	16.94	119	202539	0.460	ppbv	98
66) Benzyl Chloride	17.19	91	105348	0.429	ppbv	94
67) sec-Butylbenzene	17.49	105	300928	0.454	ppbv	99
69) p-Isopropyltoluene	17.85	119	220583	0.430	ppbv	97
70) n-Butylbenzene	18.75	91	234857	0.404	ppbv	99
71) 2-Chlorotoluene	15.65	91	166781	0.427	ppbv	99
72) 4-Ethyltoluene	16.03	105	157857	0.398	ppbv #	96
73) 1,3,5-Trimethylbenzene	16.19	105	158460	0.398	ppbv	98
74) 1,2,4-Trimethylbenzene	16.96	105	197373	0.454	ppbv #	87
75) 1,3-Dichlorobenzene	17.19	146	69190	0.268	ppbv #	22
76) 1,4-Dichlorobenzene	17.34	146	114645	0.479	ppbv	98
77) 1,2-Dichlorobenzene	18.02	146	122571	0.492	ppbv	98
78) Hexachloro-1,3-Butadiene	23.57	225	46418	0.499	ppbv	86
79) Naphthalene	22.46	128	43498	0.123	ppbv	96
80) Naphthalene,2-methyl-	25.15	142	7517	0.080	ppbv	93
81) 1,2,4-Trichlorobenzene	22.17	180	27656	0.155	ppbv #	12

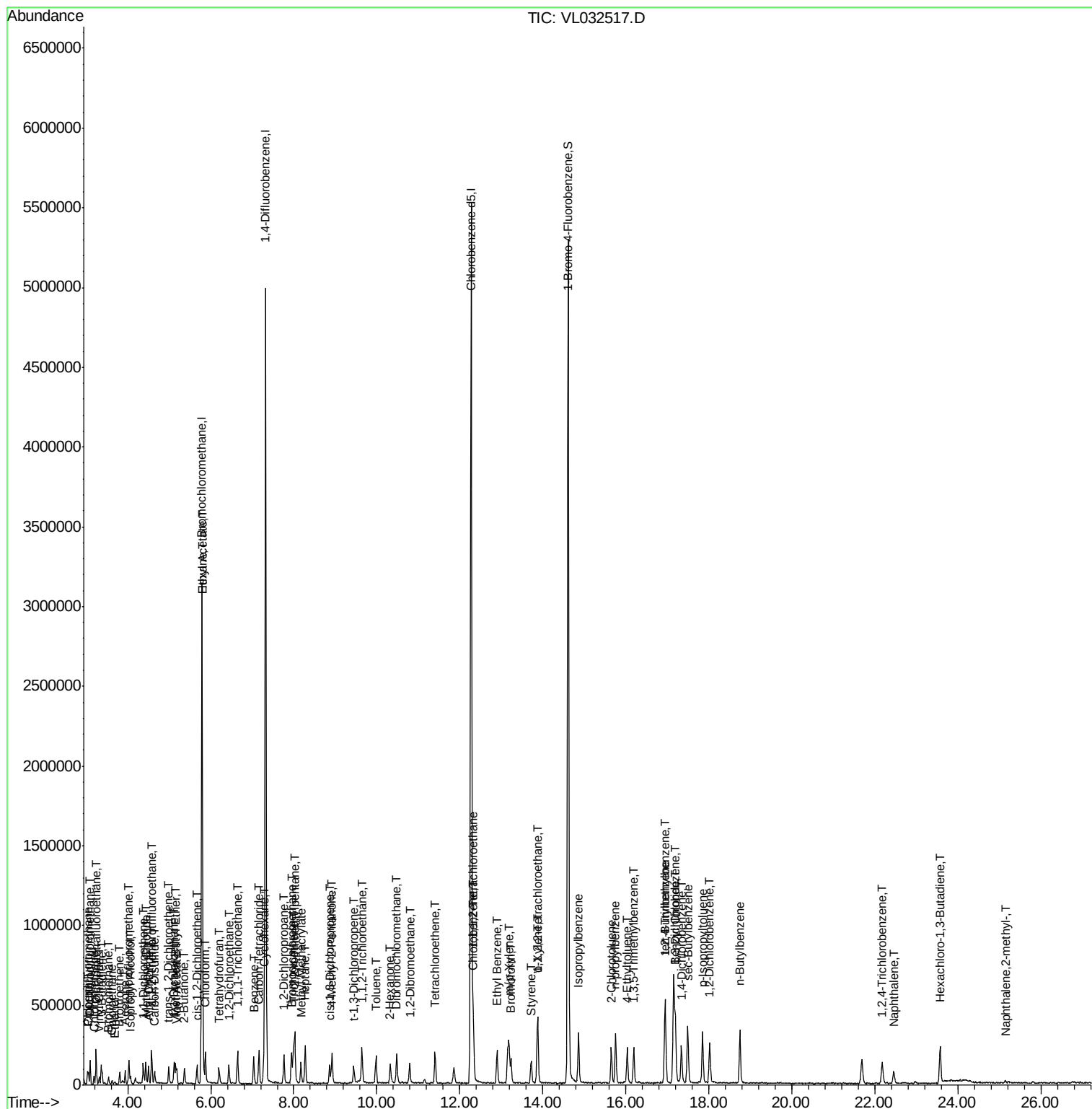
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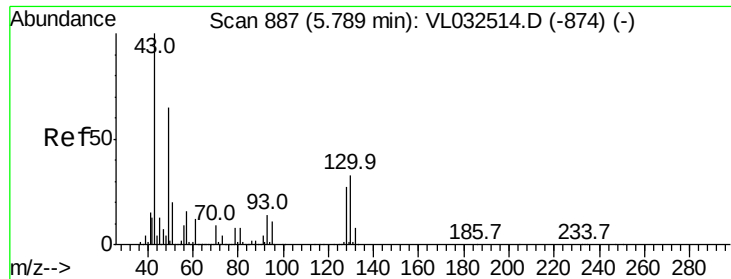
Data File : VL032517.D

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Acq On       : 24 Sep 2018  18:24
Operator     : SY/AP
Sample       : VSTDICC0.5
Misc         : 400ml/MSV0A_L
ALS Vial     : 1      Sample Multipl
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ClientSampleId :
VSTDICC0.5

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

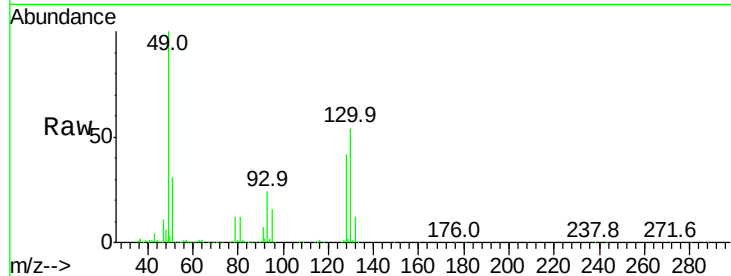
Tgt Ion: 49 Resp: 1572582

Ion Ratio Lower Upper

49 100

128 42.5 20.7 62.1

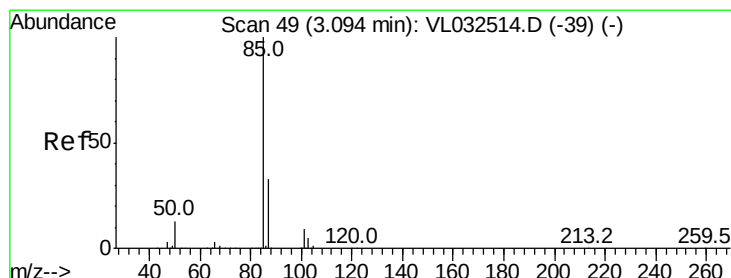
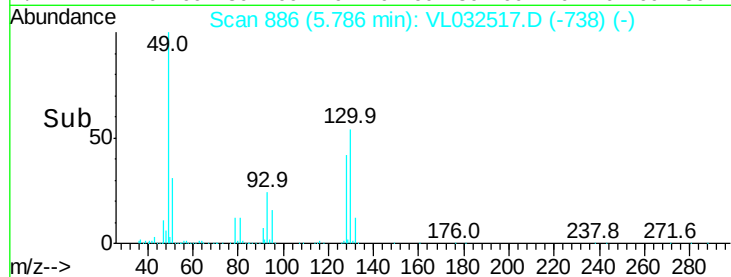
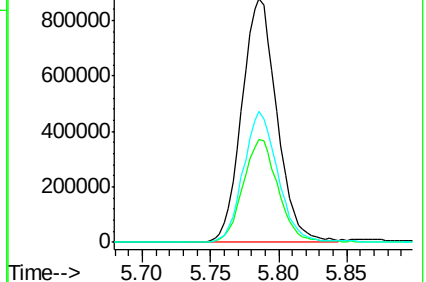
130 53.1 26.6 79.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.521 ppbv

RT: 3.09 min Scan# 48

Delta R.T. -0.02 min

Lab File: VL032517.D

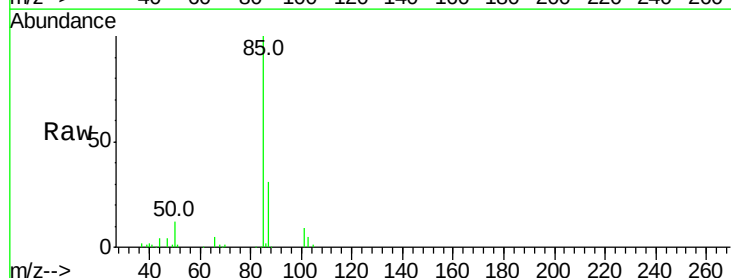
Acq: 24 Sep 2018 18:24

Tgt Ion: 85 Resp: 104726

Ion Ratio Lower Upper

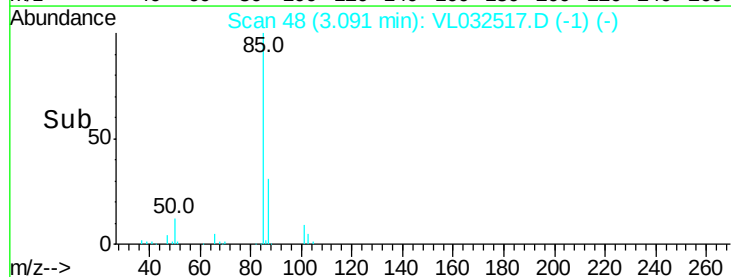
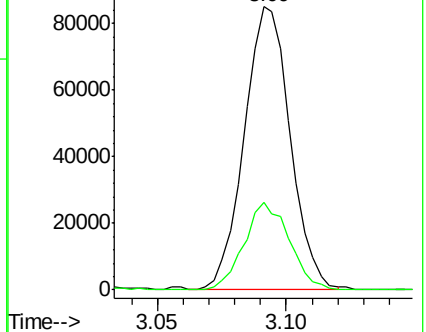
85 100

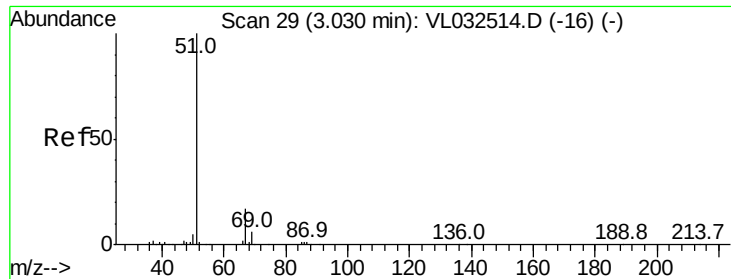
87 31.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.500 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

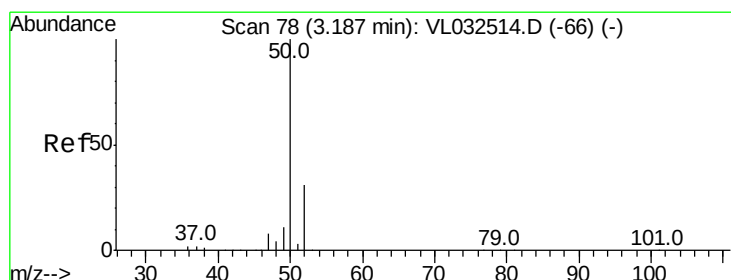
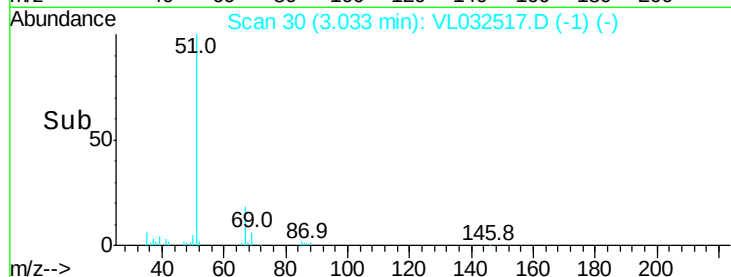
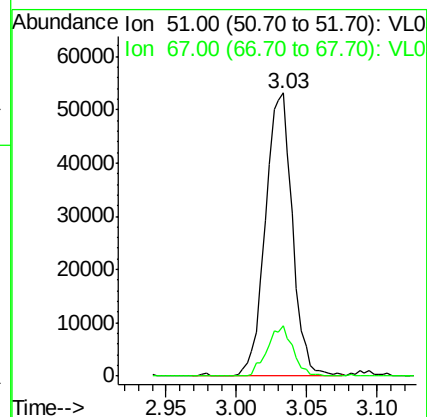
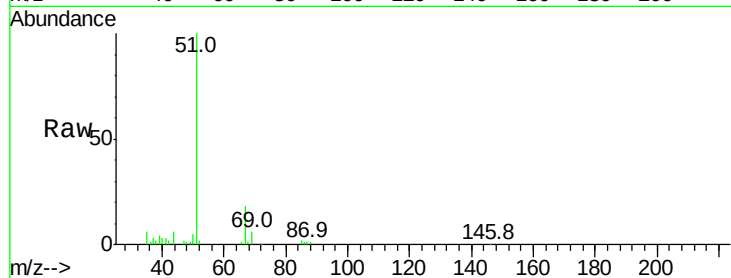
VSTDIC0.5

Tgt Ion: 51 Resp: 71165

Ion Ratio Lower Upper

51 100

67 16.8 13.8 20.8



#4

Chloromethane

Concen: 0.474 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032517.D

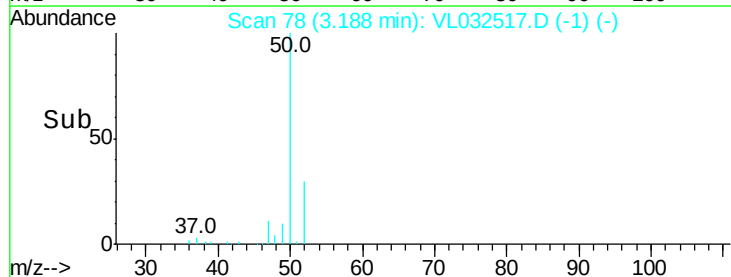
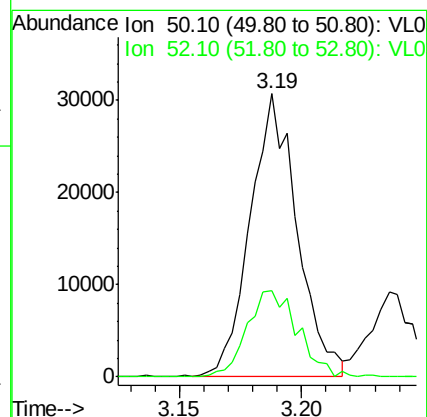
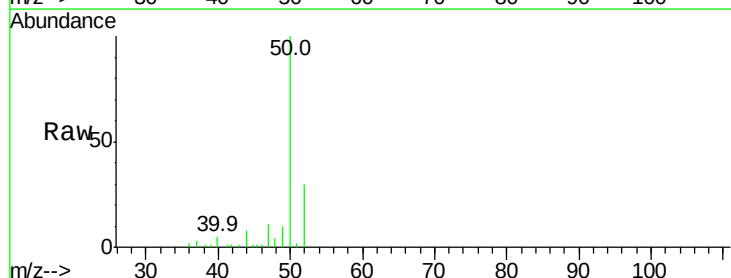
Acq: 24 Sep 2018 18:24

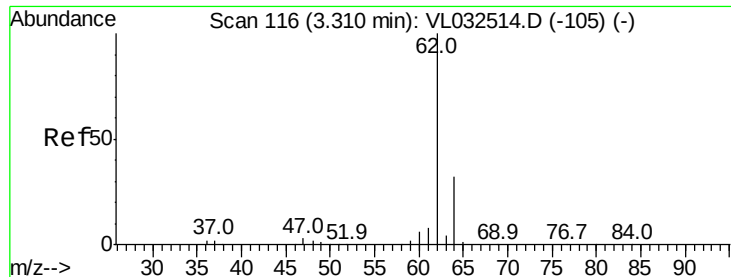
Tgt Ion: 50 Resp: 40889

Ion Ratio Lower Upper

50 100

52 30.3 25.6 38.4





#5

Vinyl Chloride

Concen: 0.436 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

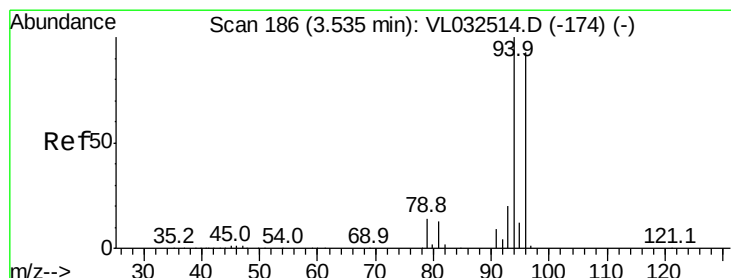
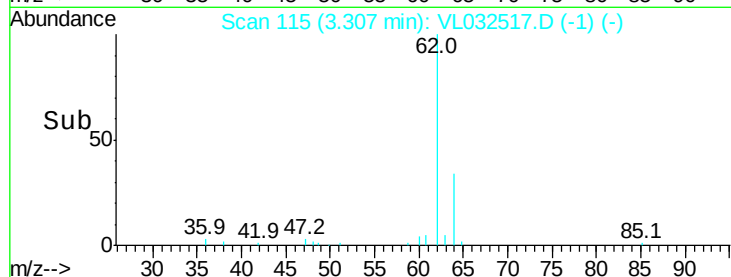
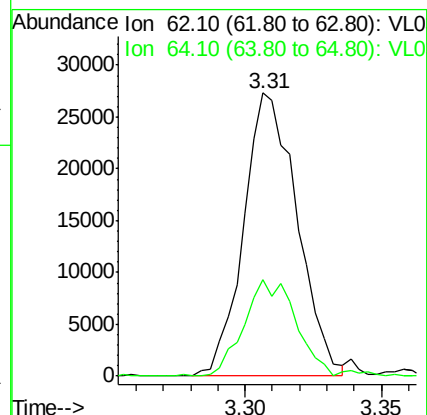
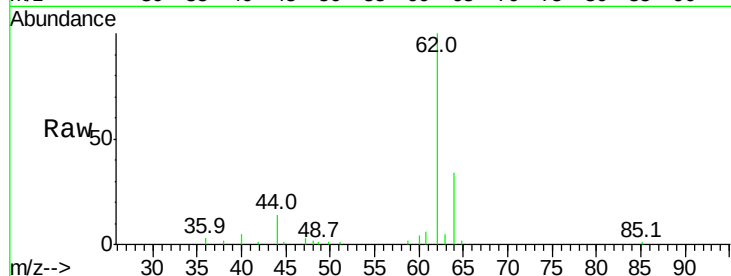
VSTDIC0.5

Tgt Ion: 62 Resp: 37084

Ion Ratio Lower Upper

62 100

64 35.6 25.0 37.6



#6

Bromomethane

Concen: 0.488 ppbv

RT: 3.53 min Scan# 186

Delta R.T. -0.01 min

Lab File: VL032517.D

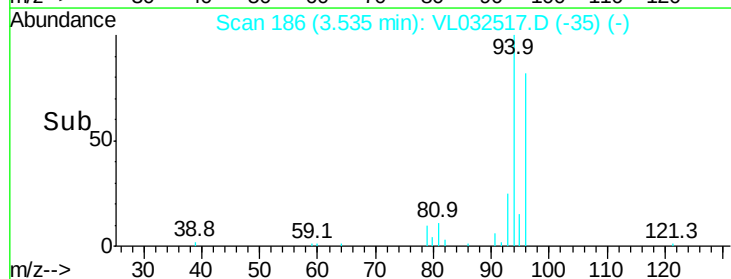
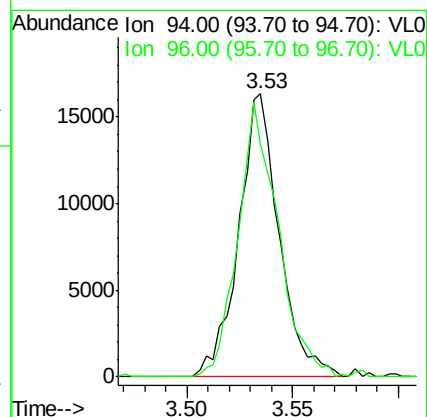
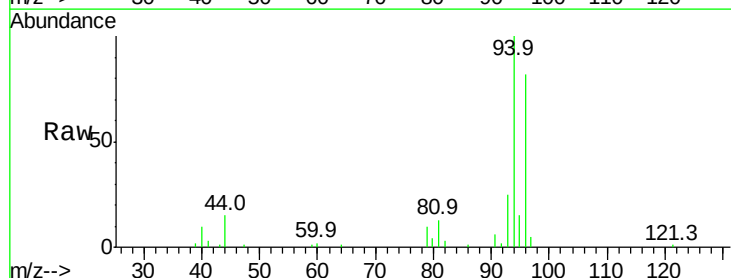
Acq: 24 Sep 2018 18:24

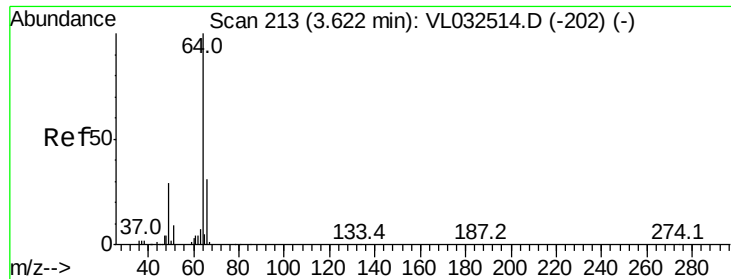
Tgt Ion: 94 Resp: 21788

Ion Ratio Lower Upper

94 100

96 82.5 72.8 109.2





#7

Chloroethane

Concen: 0.517 ppbv

RT: 3.62 min Scan# 214

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

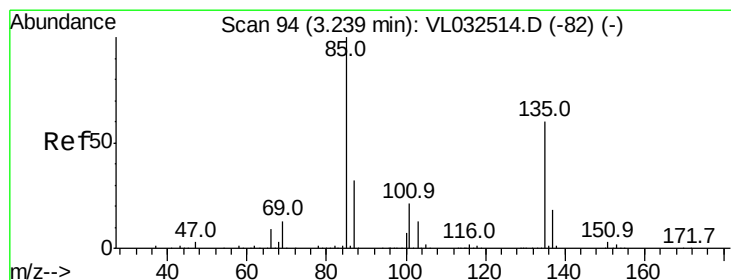
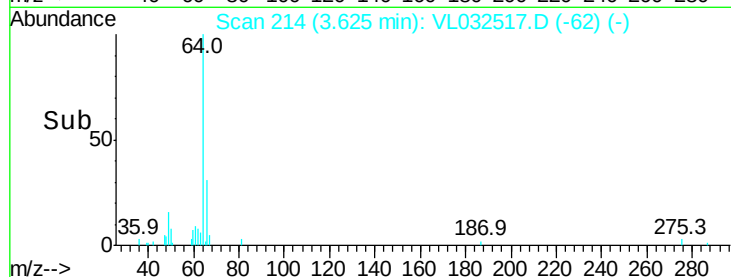
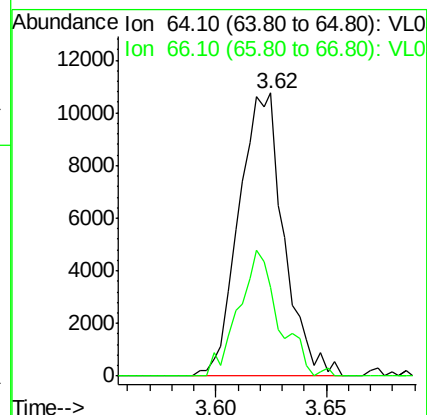
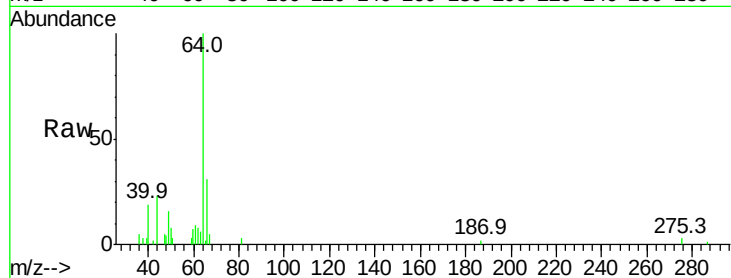
VSTDIC0.5

Tgt Ion: 64 Resp: 15230

Ion Ratio Lower Upper

64 100

66 31.3 25.8 38.6



#8

Dichlorotetrafluoroethane

Concen: 0.505 ppbv

RT: 3.24 min Scan# 94

Delta R.T. -0.01 min

Lab File: VL032517.D

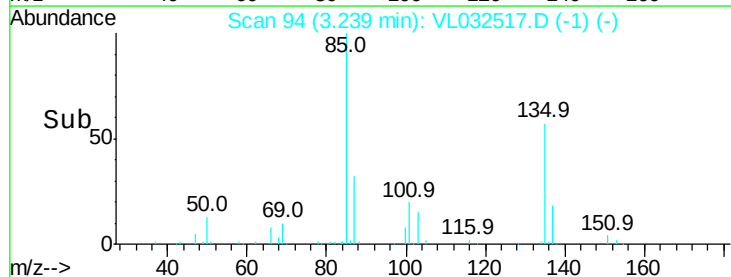
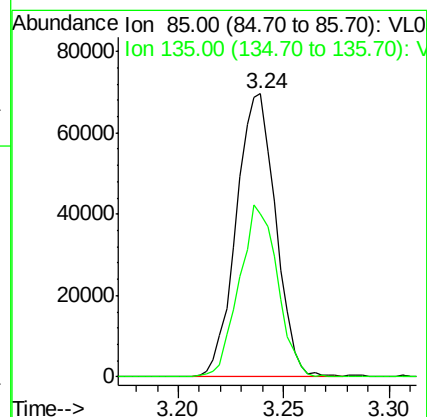
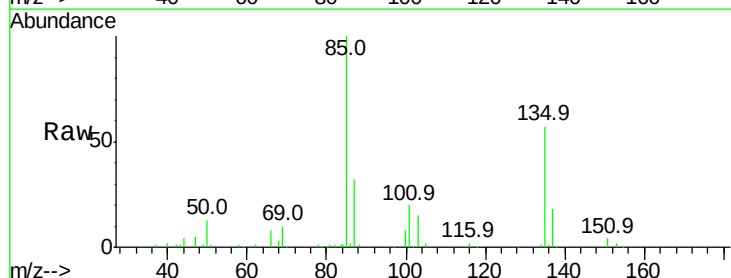
Acq: 24 Sep 2018 18:24

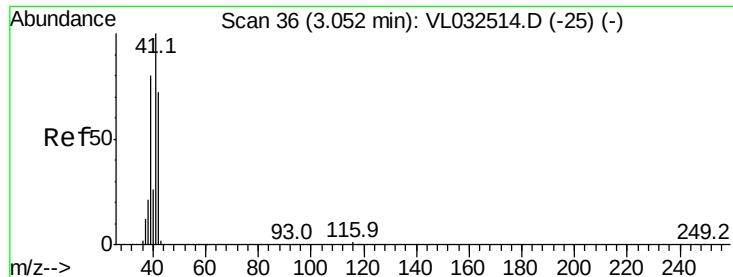
Tgt Ion: 85 Resp: 90210

Ion Ratio Lower Upper

85 100

135 59.3 48.6 72.8





#9

Propene

Concen: 0.481 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

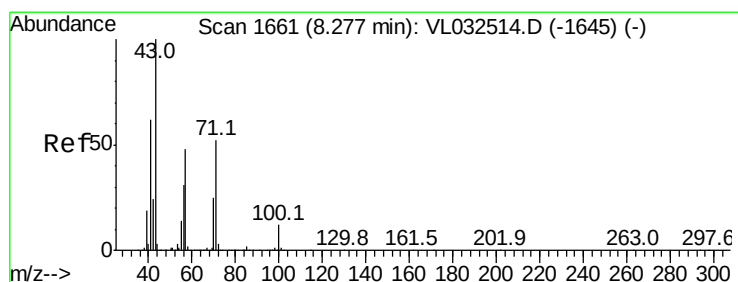
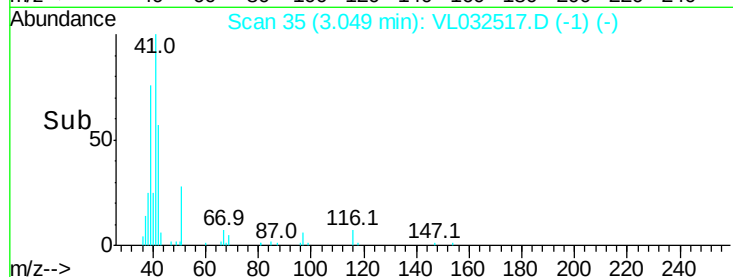
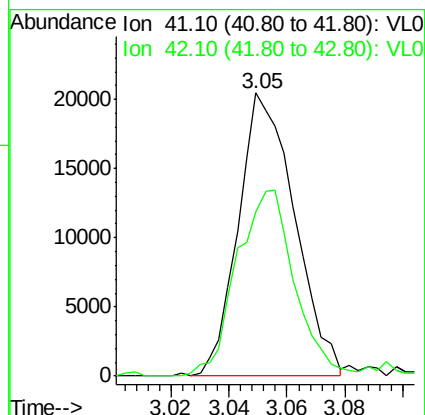
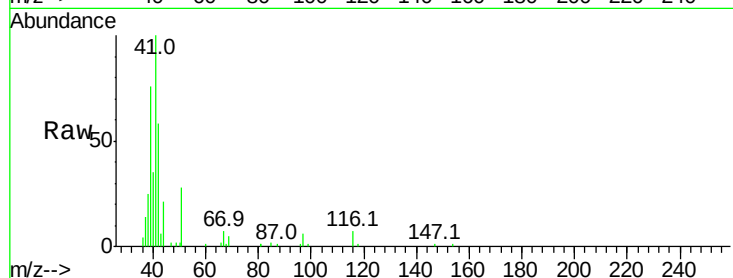
VSTDIC0.5

Tgt Ion: 41 Resp: 27598

Ion Ratio Lower Upper

41 100

42 69.6 56.6 84.8



#10

Heptane

Concen: 0.254 ppbv

RT: 8.27 min Scan# 1660

Delta R.T. -0.02 min

Lab File: VL032517.D

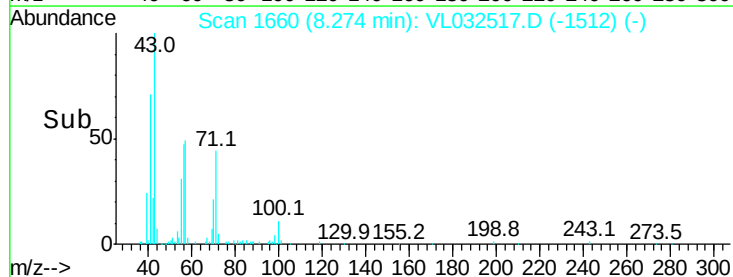
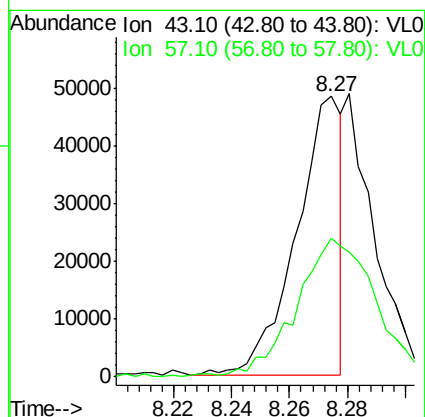
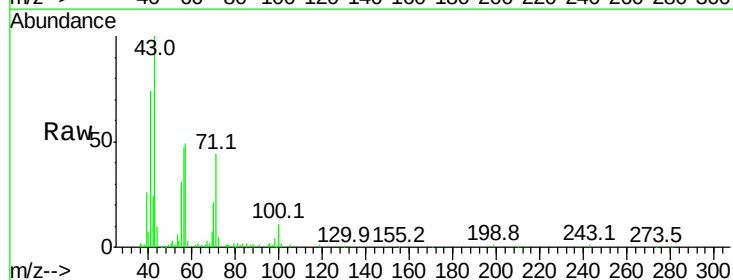
Acq: 24 Sep 2018 18:24

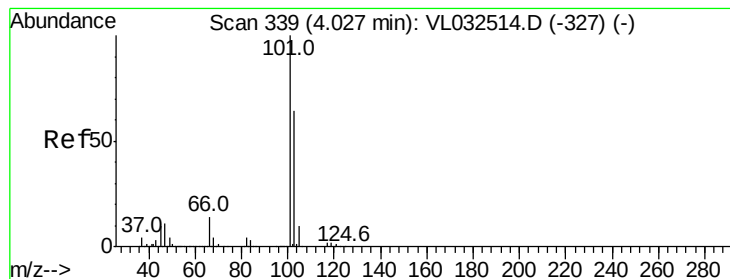
Tgt Ion: 43 Resp: 52417

Ion Ratio Lower Upper

43 100

57 89.1 39.6 59.4#





#11

Trichlorofluoromethane

Concen: 0.551 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

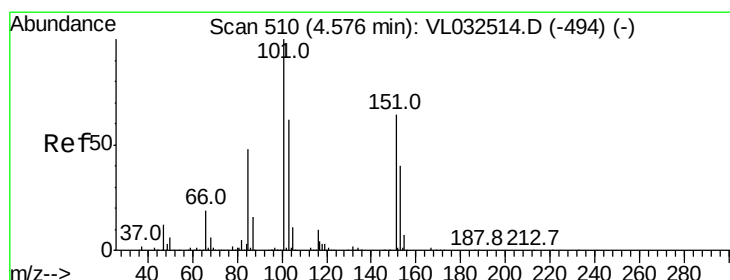
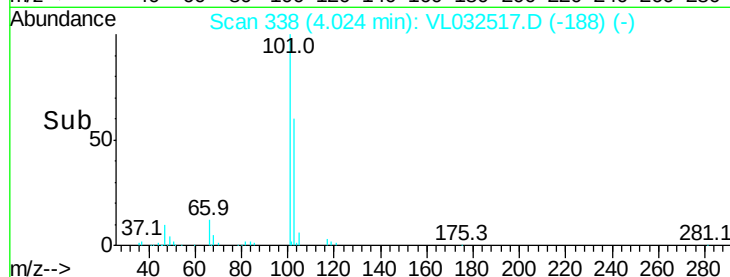
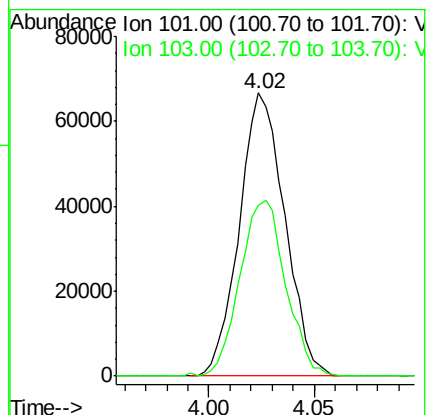
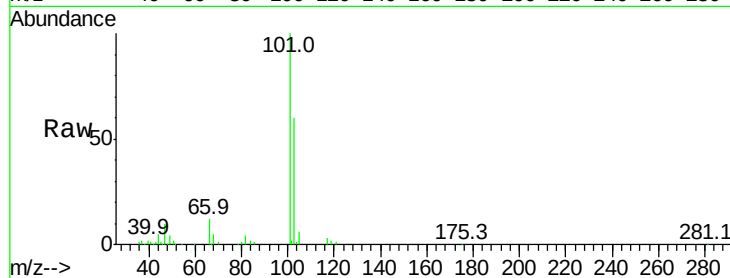
VSTDIC0.5

Tgt Ion:101 Resp: 99972

Ion Ratio Lower Upper

101 100

103 60.4 52.8 79.2



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.639 ppbv

RT: 4.58 min Scan# 510

Delta R.T. -0.02 min

Lab File: VL032517.D

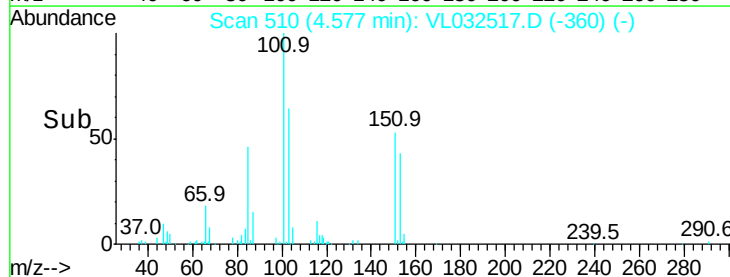
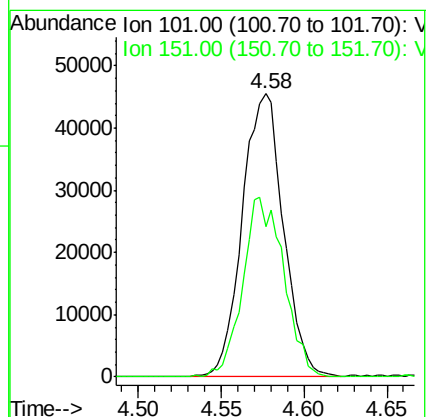
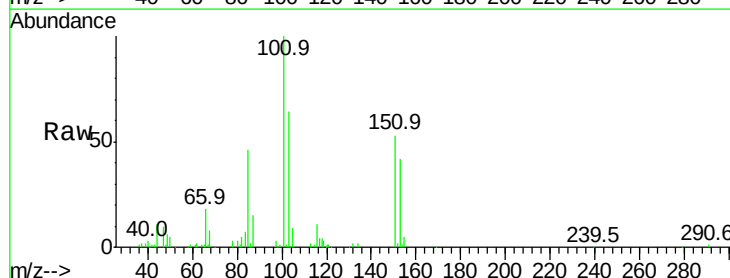
Acq: 24 Sep 2018 18:24

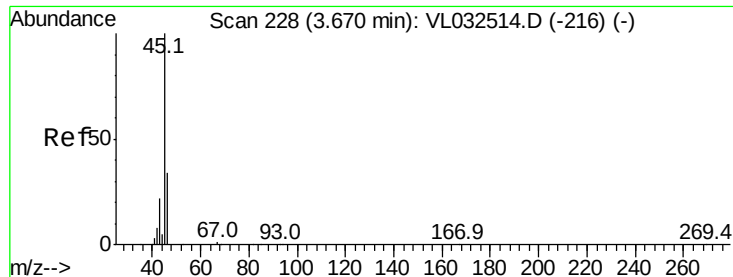
Tgt Ion:101 Resp: 78514

Ion Ratio Lower Upper

101 100

151 63.3 52.6 78.8





#13

Ethanol

Concen: 0.476 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

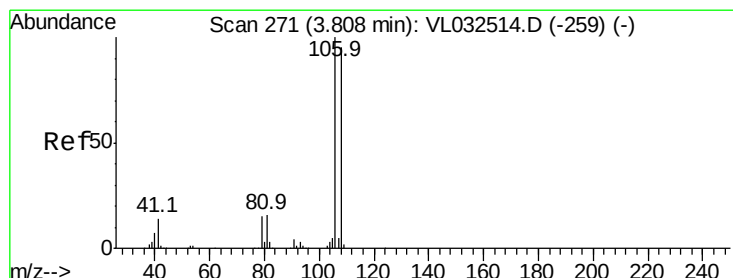
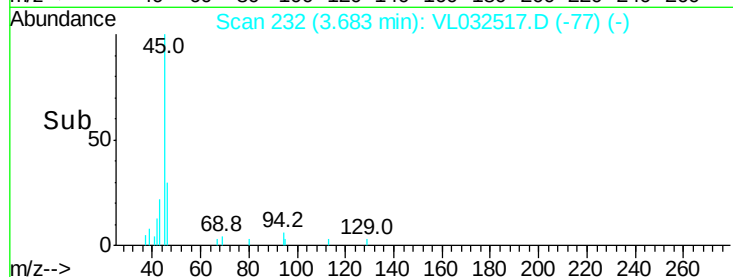
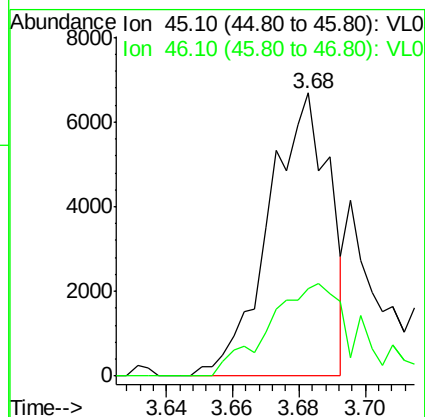
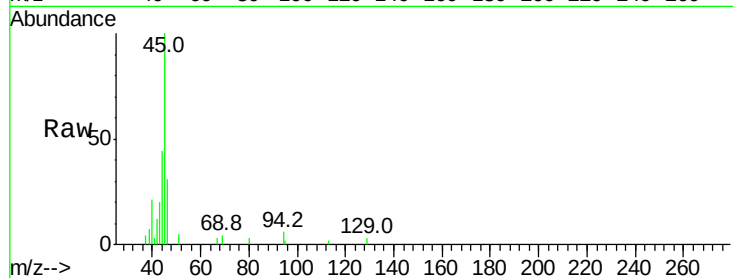
VSTDIC0.5

Tgt Ion: 45 Resp: 8516

Ion Ratio Lower Upper

45 100

46 48.1 14.2 56.8



#14

Bromoethene

Concen: 0.496 ppbv

RT: 3.81 min Scan# 271

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

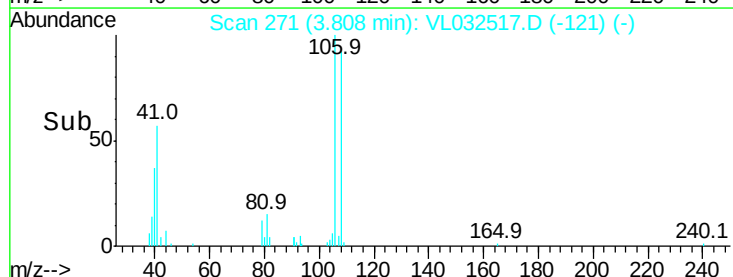
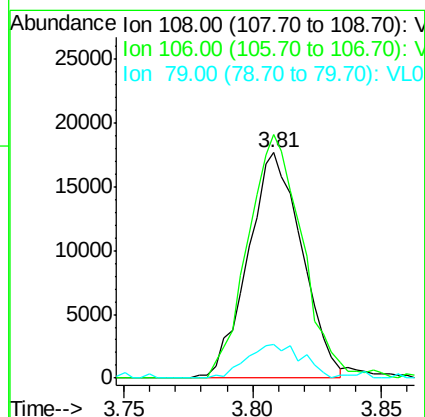
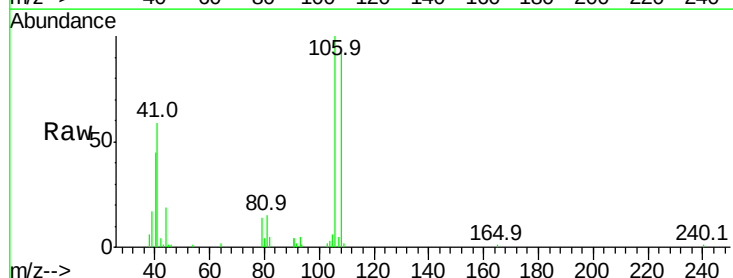
Tgt Ion: 108 Resp: 25838

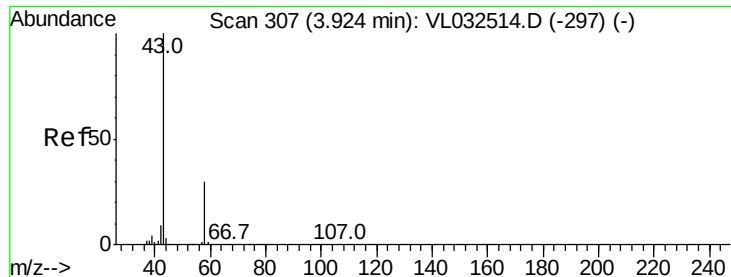
Ion Ratio Lower Upper

108 100

106 109.9 85.5 128.3

79 16.6 13.0 19.6





#15

Acetone

Concen: 0.570 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

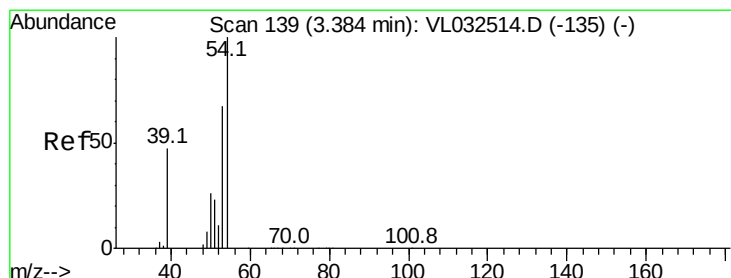
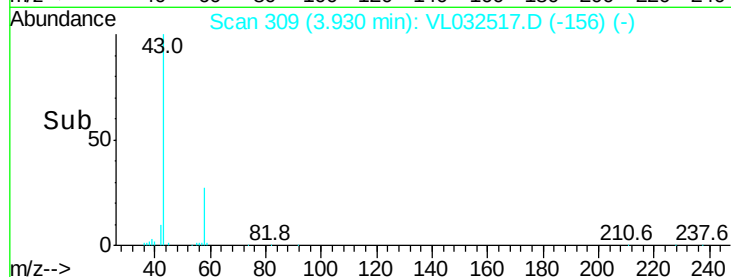
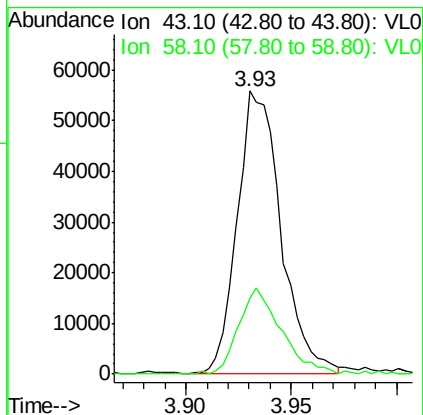
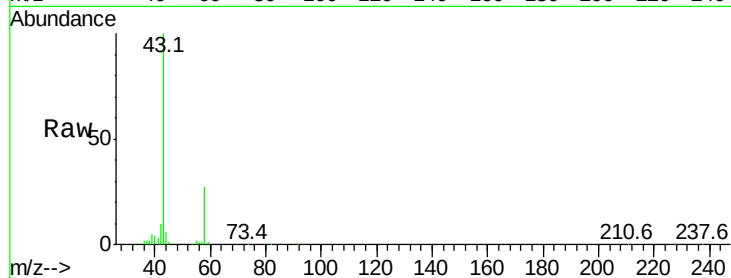
VSTDIC0.5

Tgt Ion: 43 Resp: 80791

Ion Ratio Lower Upper

43 100

58 30.0 22.6 33.8



#16

1,3-Butadiene

Concen: 0.450 ppbv

RT: 3.38 min Scan# 139

Delta R.T. -0.01 min

Lab File: VL032517.D

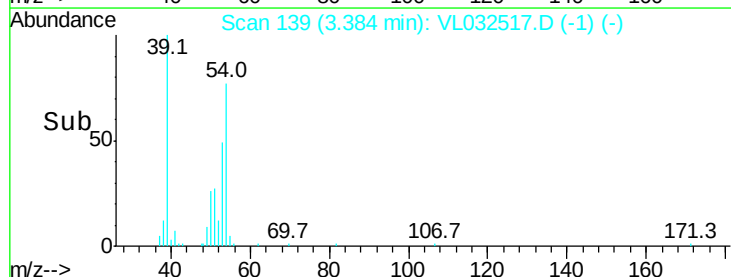
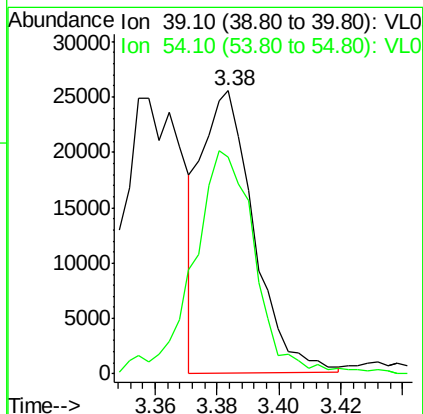
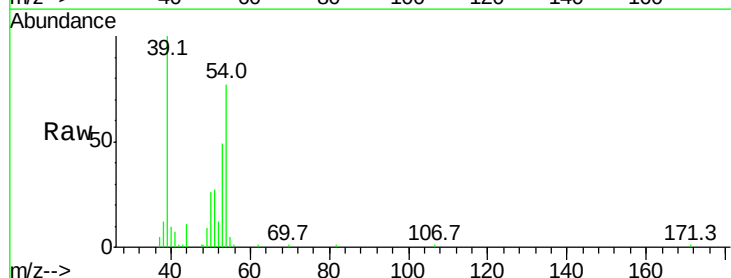
Acq: 24 Sep 2018 18:24

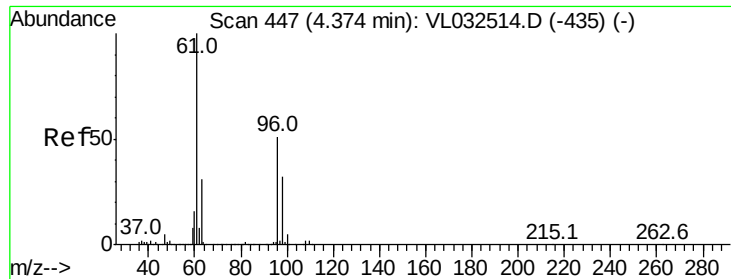
Tgt Ion: 39 Resp: 29956

Ion Ratio Lower Upper

39 100

54 94.0 80.8 121.2

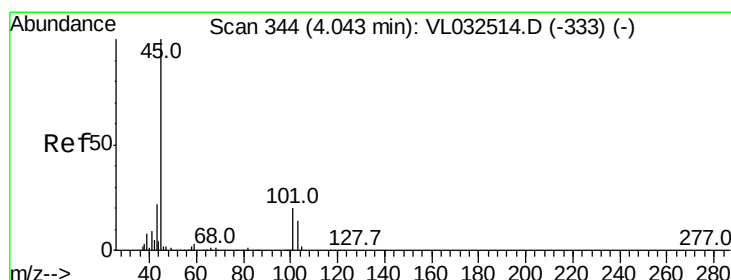
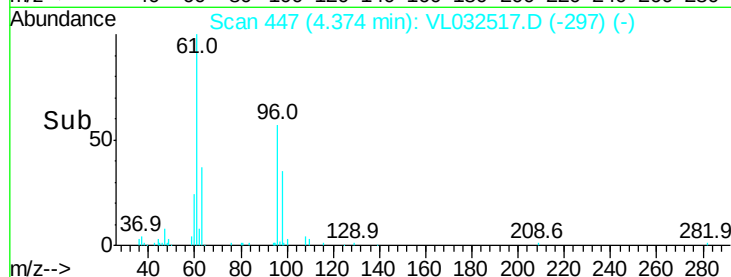
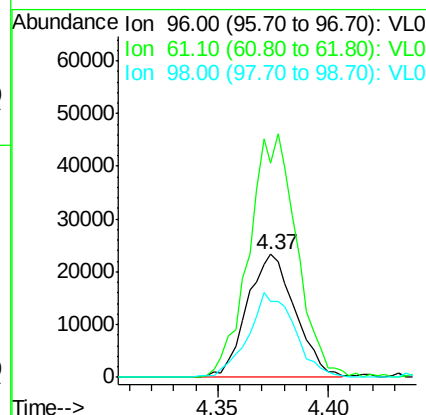
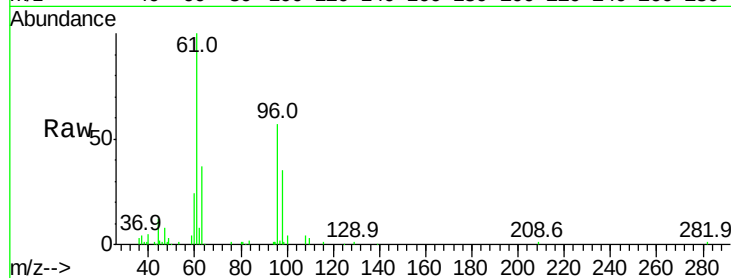




#18
 1,1-Dichloroethene
 Concen: 0.627 ppbv
 RT: 4.37 min Scan# 447
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

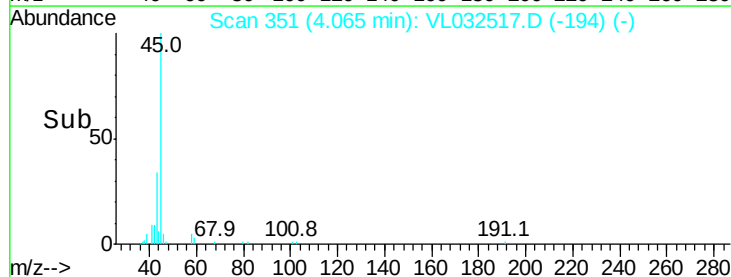
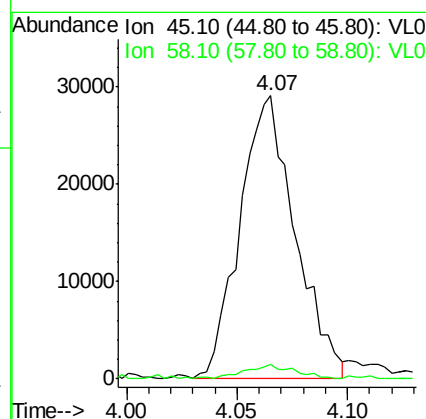
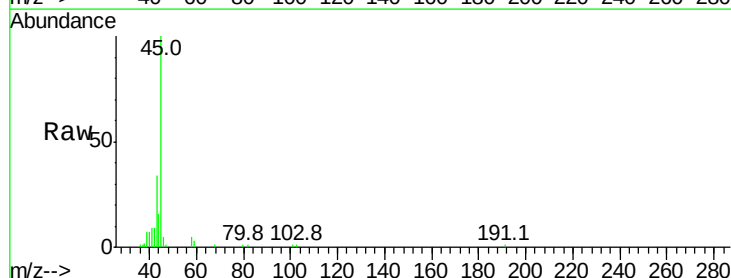
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

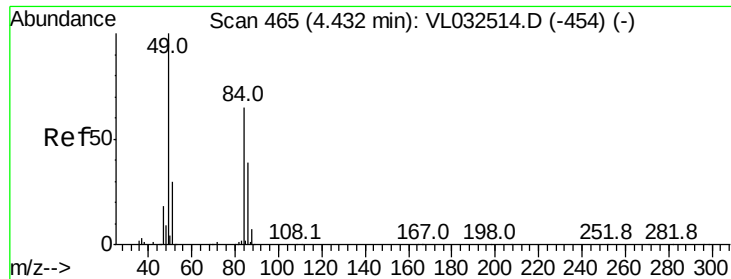
Tgt Ion: 96 Resp: 35217
 Ion Ratio Lower Upper
 96 100
 61 173.2 159.2 238.8
 98 62.3 51.0 76.4



#19
 Isopropyl Alcohol
 Concen: 0.546 ppbv
 RT: 4.07 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion: 45 Resp: 50690
 Ion Ratio Lower Upper
 45 100
 58 5.1 2.0 3.0#

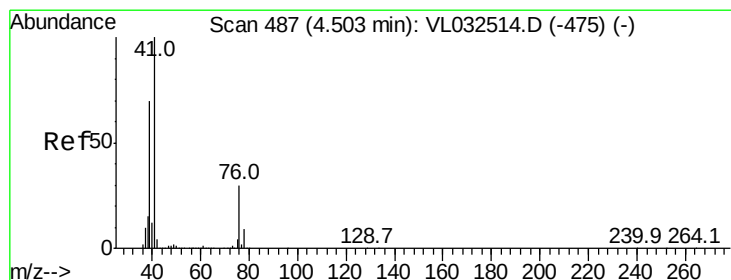
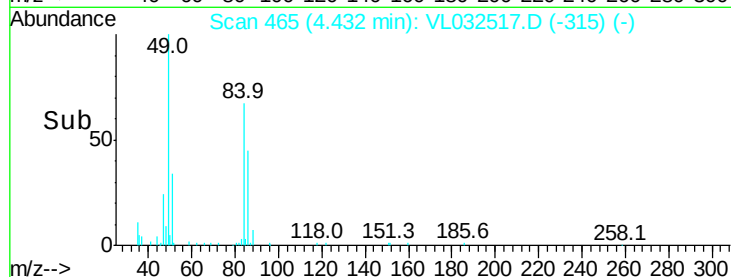
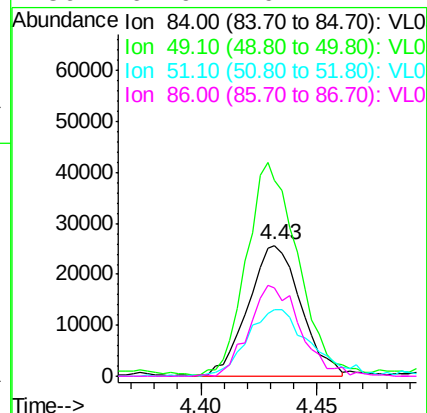
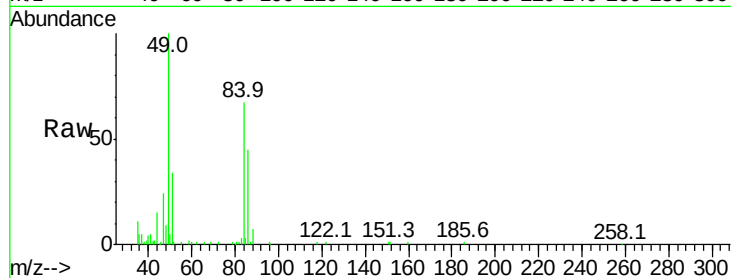




#20
Methylene Chloride
Concen: 0.754 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

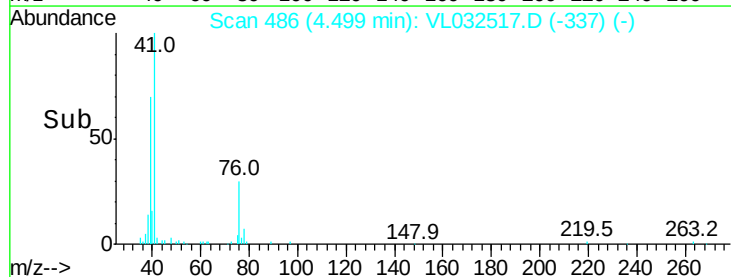
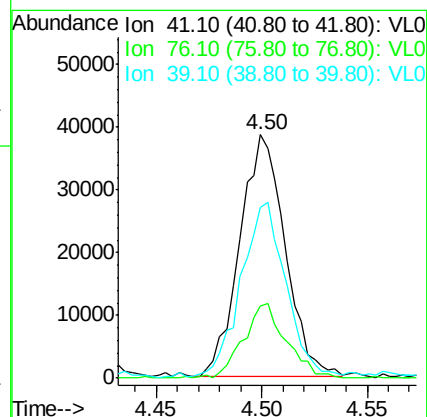
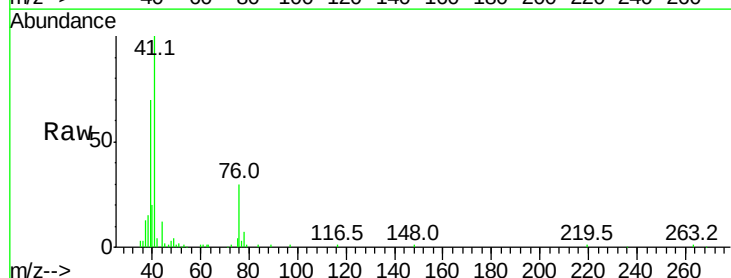
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

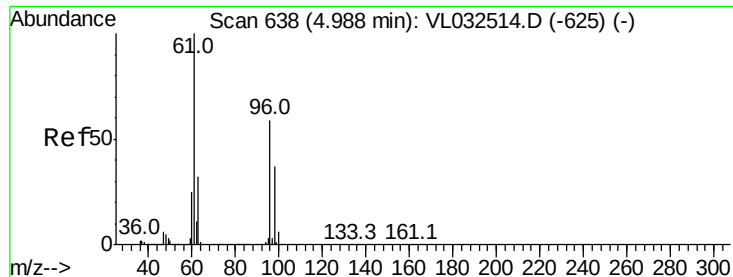
Tgt Ion:	84	Resp:	40708
Ion	Ratio	Lower	Upper
84	100		
49	148.9	119.1	178.7
51	49.5	35.2	52.8
86	67.9	49.4	74.2



#21
Allyl Chloride
Concen: 0.612 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion:	41	Resp:	57565
Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.6	35.4
39	73.7	57.7	86.5





#22

trans-1,2-Dichloroethene

Concen: 0.520 ppbv

RT: 4.98 min Scan# 637

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

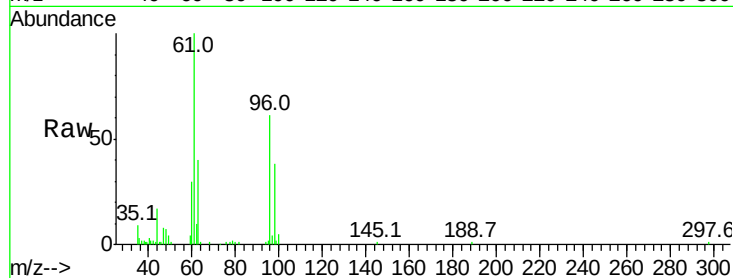
Tgt Ion: 96 Resp: 31701

Ion Ratio Lower Upper

96 100

61 155.4 136.2 204.4

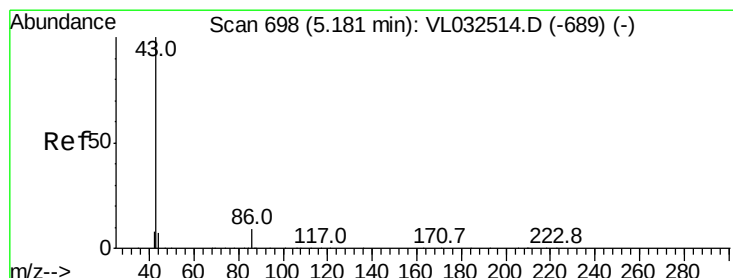
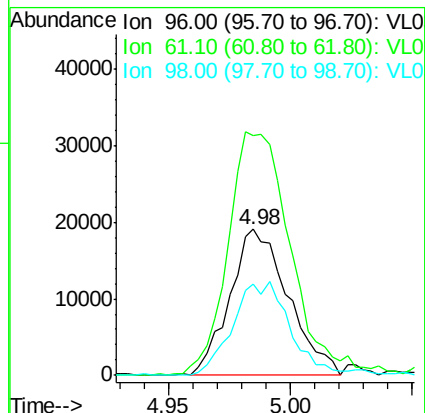
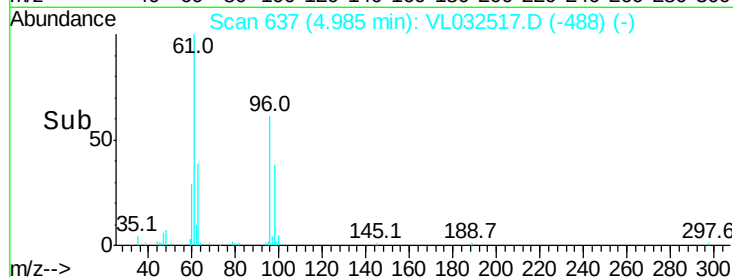
98 62.2 50.4 75.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#23

Vinyl Acetate

Concen: 0.428 ppbv

RT: 5.18 min Scan# 699

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion: 43 Resp: 100528

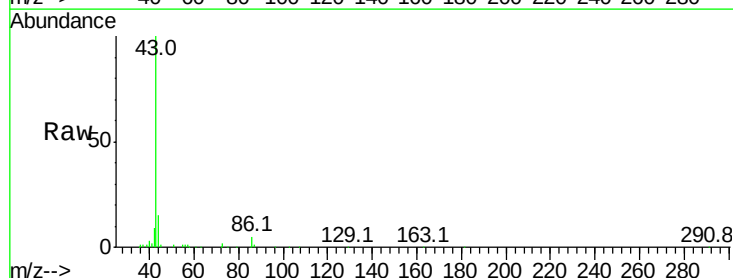
Ion Ratio Lower Upper

43 100

86 5.1 5.9 8.9#

42 7.5 6.9 10.3

44 11.4 4.6 7.0#

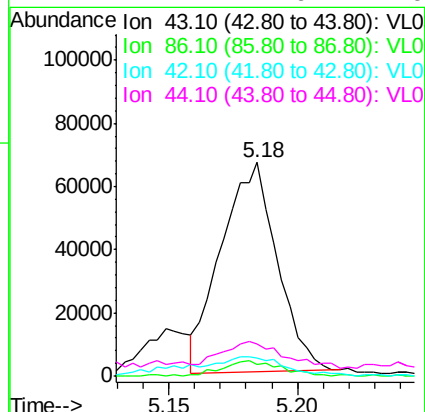
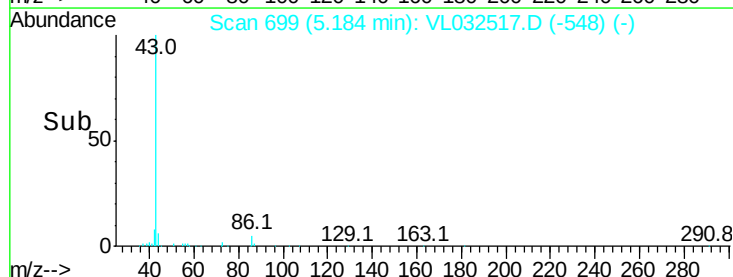


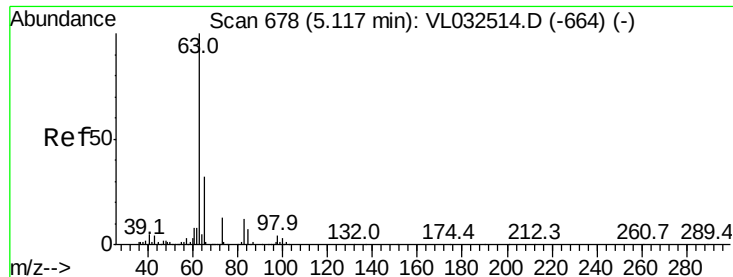
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.566 ppbv

RT: 5.11 min Scan# 677

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

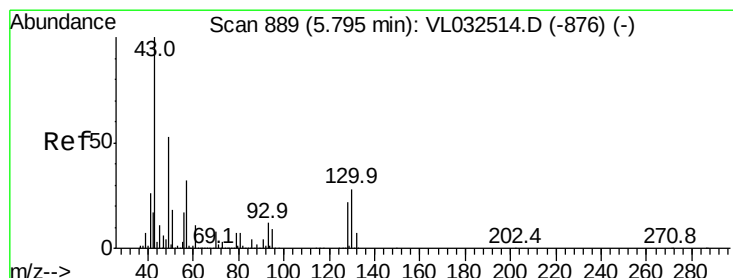
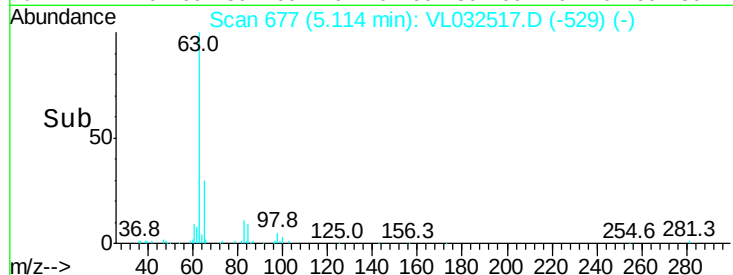
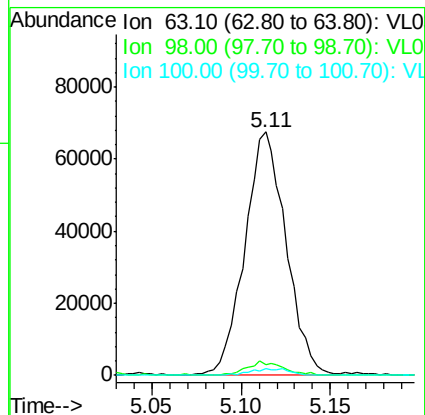
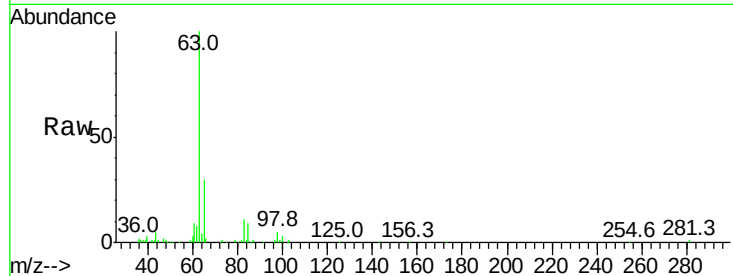
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	63	Resp:	109437
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.5
100	2.8	1.5	4.4



#25

Ethyl Acetate

Concen: 0.504 ppbv

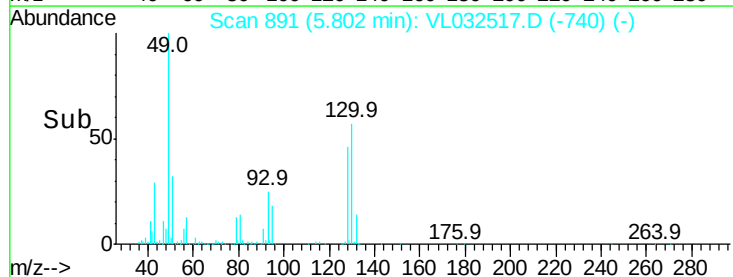
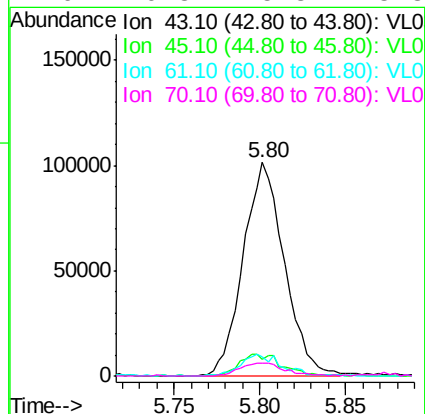
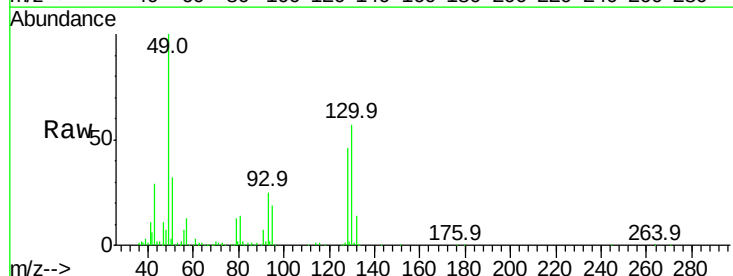
RT: 5.80 min Scan# 891

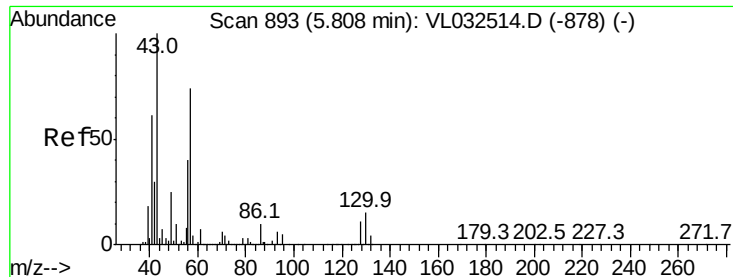
Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:	43	Resp:	168654
Ion	Ratio	Lower	Upper
43	100		
45	11.1	8.0	12.0
61	10.3	7.6	11.4
70	6.8	5.8	8.8

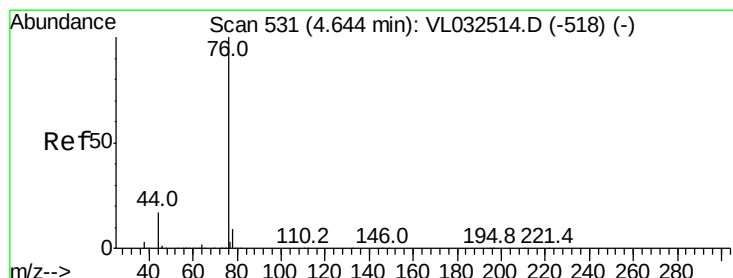
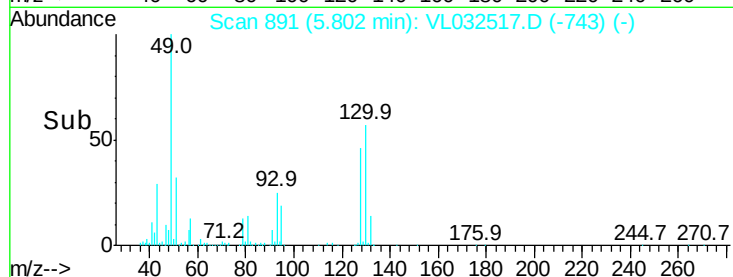
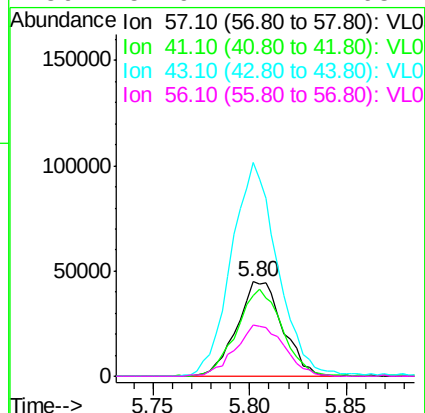
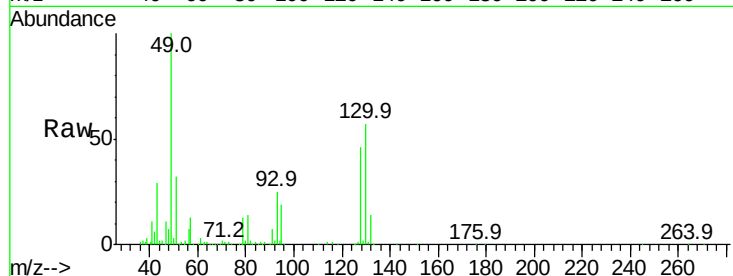




#26
Hexane
Concen: 0.492 ppbv
RT: 5.80 min Scan# 891
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

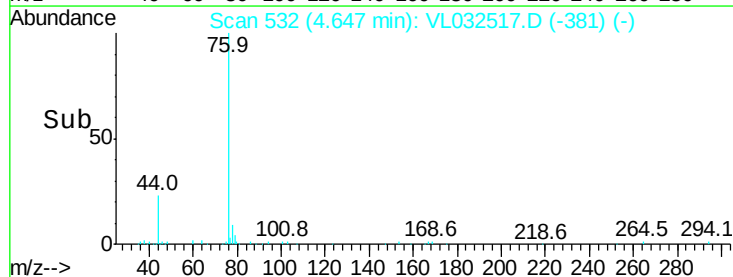
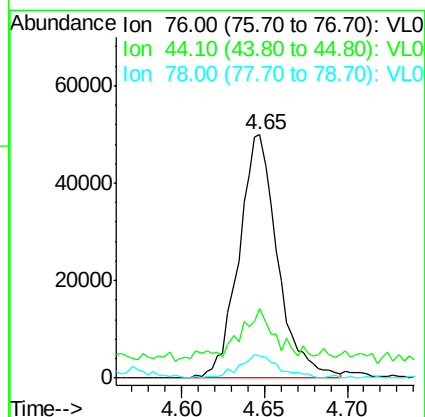
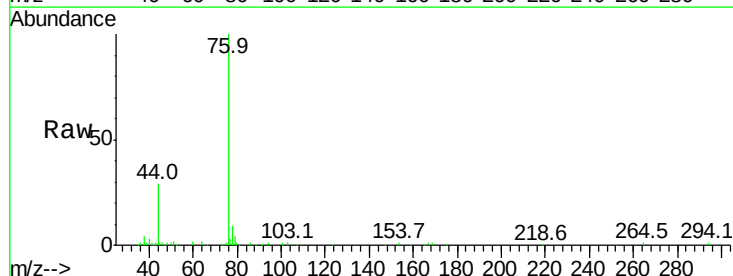
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

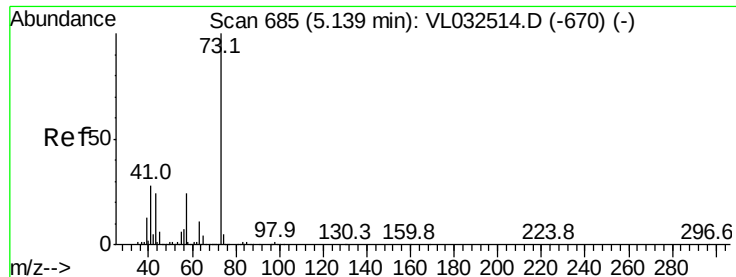
Tgt Ion:	57	Resp:	73706
Ion	Ratio	Lower	Upper
57	100		
41	92.5	69.0	103.4
43	235.5	172.1	258.1
56	57.9	42.2	63.2



#27
Carbon Disulfide
Concen: 0.583 ppbv
RT: 4.65 min Scan# 532
Delta R.T. -0.01 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion:	76	Resp:	80608
Ion	Ratio	Lower	Upper
76	100		
44	30.6	14.0	21.0#
78	10.0	7.5	11.3



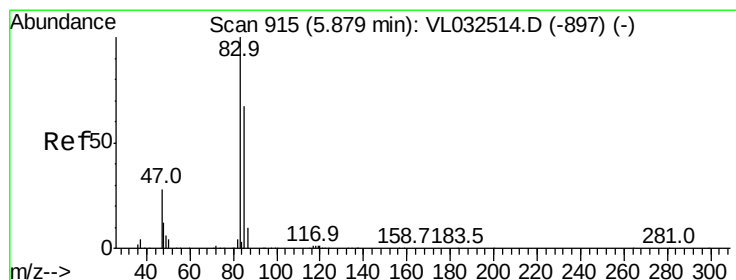
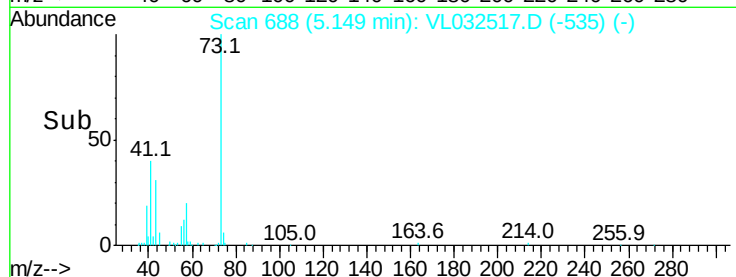
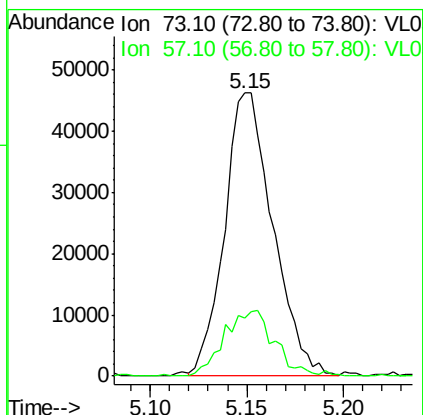
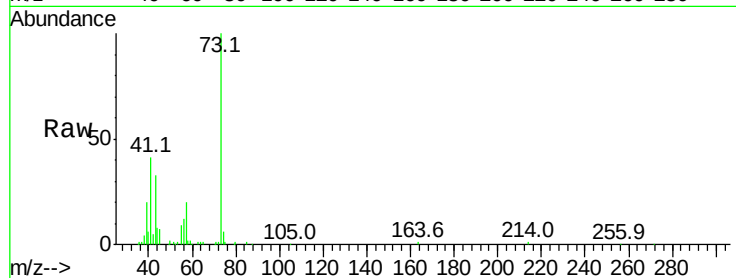


#28

Methyl tert-Butyl Ether
 Concen: 0.437 ppbv
 RT: 5.15 min Scan# 688
 Delta R.T. -0.01 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

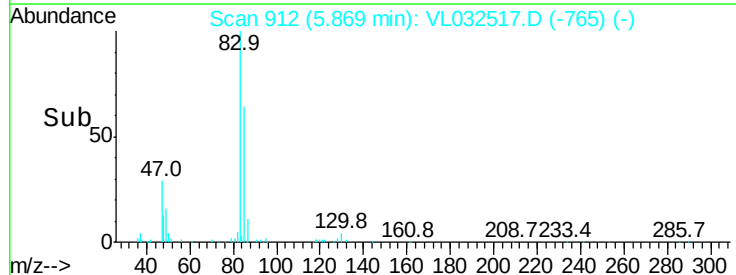
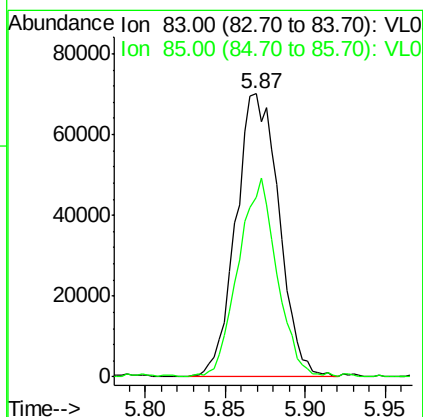
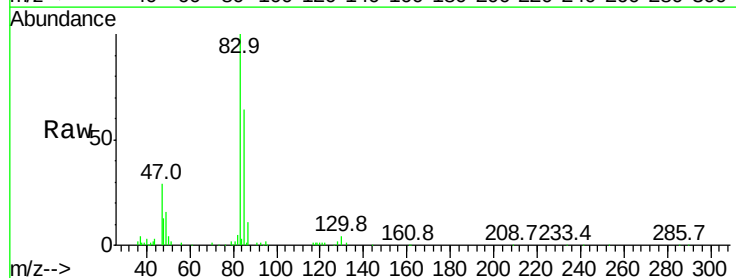
Tgt Ion: 73 Resp: 80267
 Ion Ratio Lower Upper
 73 100
 57 24.4 19.3 28.9

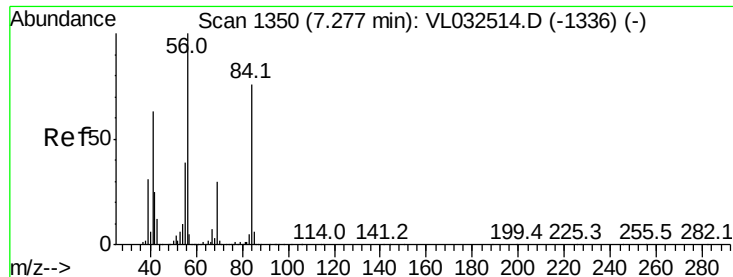


#29

Chloroform
 Concen: 0.562 ppbv
 RT: 5.87 min Scan# 912
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion: 83 Resp: 128395
 Ion Ratio Lower Upper
 83 100
 85 63.7 52.5 78.7

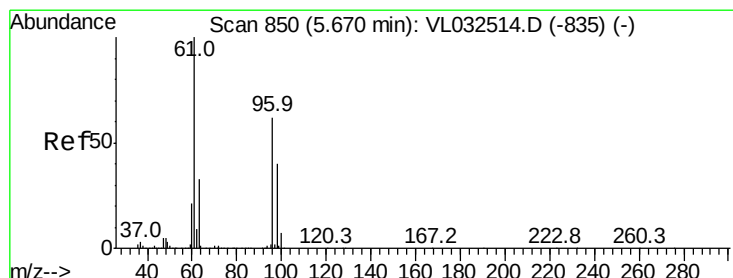
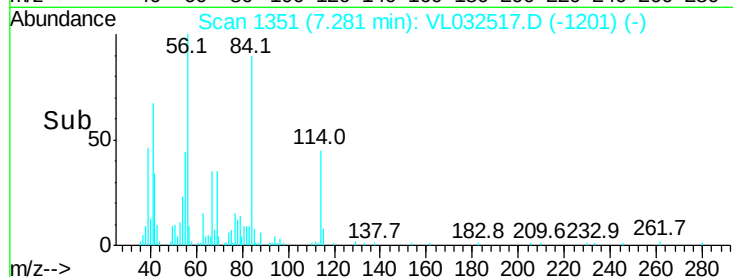
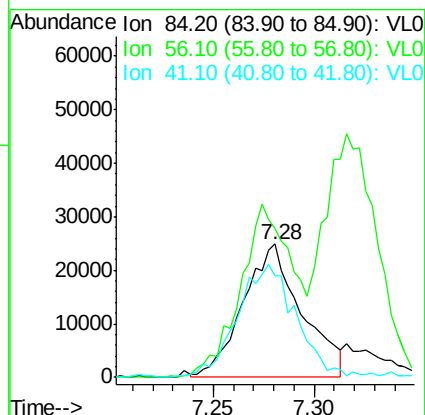
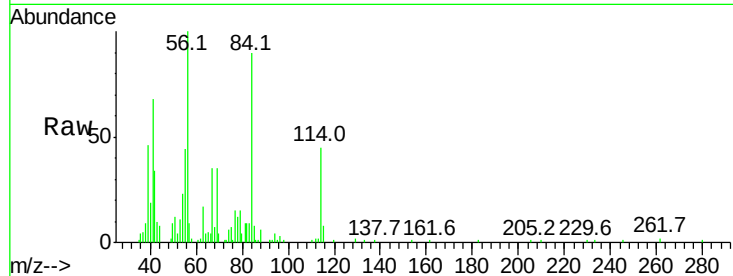




#30
Cyclohexane
Concen: 0.462 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

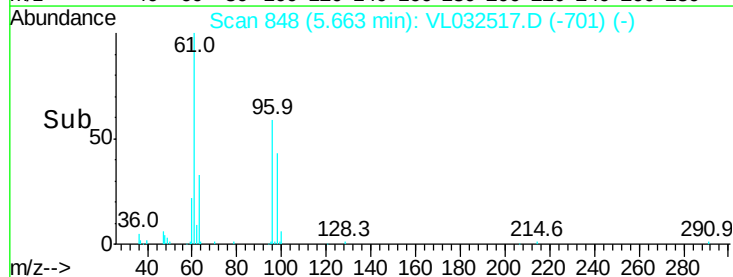
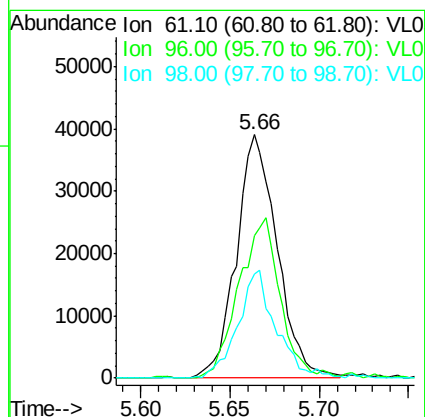
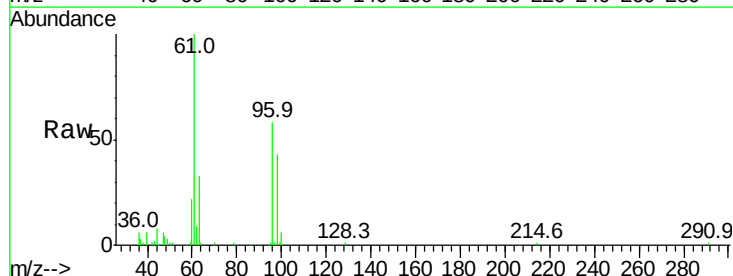
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

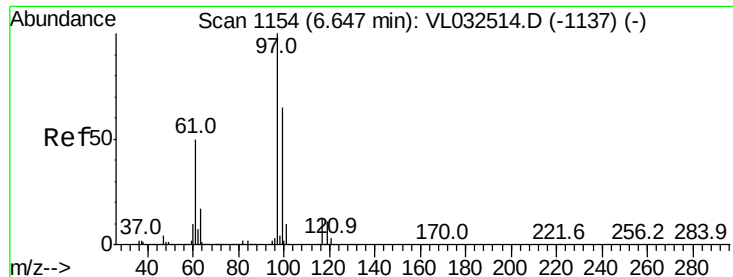
Tgt Ion: 84 Resp: 50613
Ion Ratio Lower Upper
84 100
56 103.9 113.5 170.3#
41 86.8 68.1 102.1



#31
cis-1,2-Dichloroethene
Concen: 0.459 ppbv
RT: 5.66 min Scan# 848
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion: 61 Resp: 62175
Ion Ratio Lower Upper
61 100
96 58.0 49.2 73.8
98 42.5 30.7 46.1





#32

1,1,1-Trichloroethane

Concen: 0.569 ppbv

RT: 6.65 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

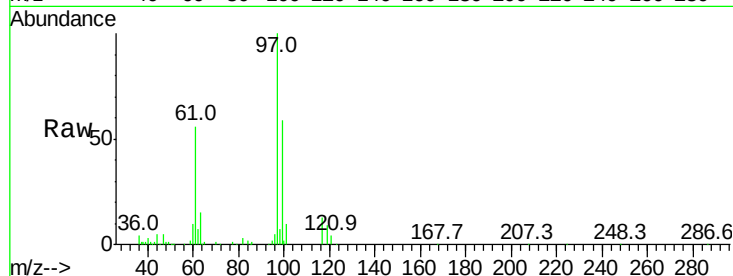
Tgt Ion: 97 Resp: 121059

Ion Ratio Lower Upper

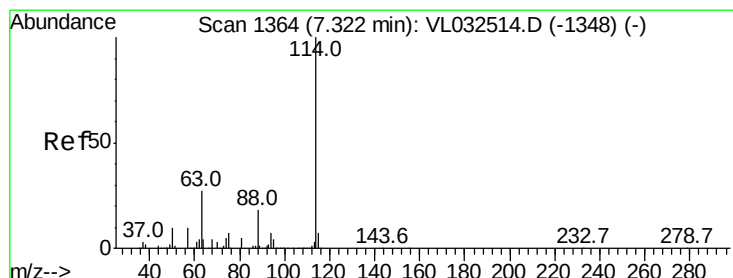
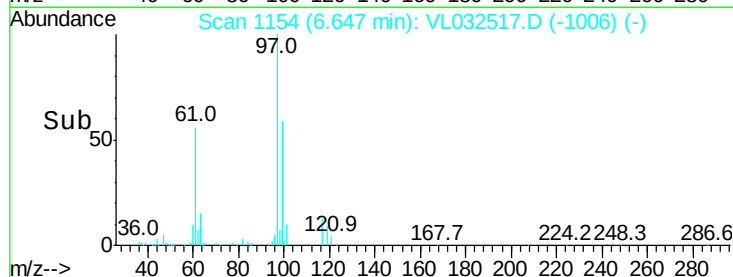
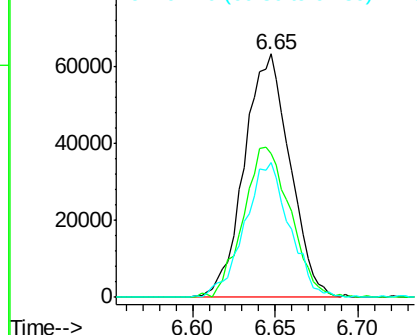
97 100

99 63.5 52.1 78.1

61 54.5 42.5 63.7



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

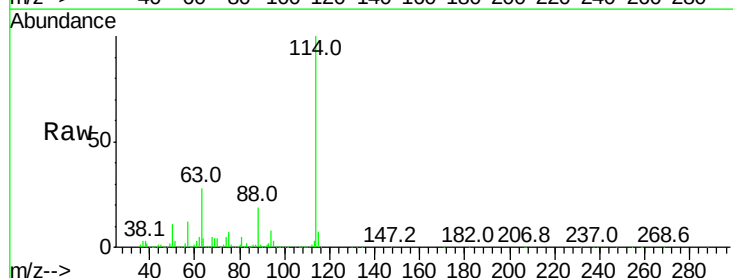
Tgt Ion: 114 Resp: 3589155

Ion Ratio Lower Upper

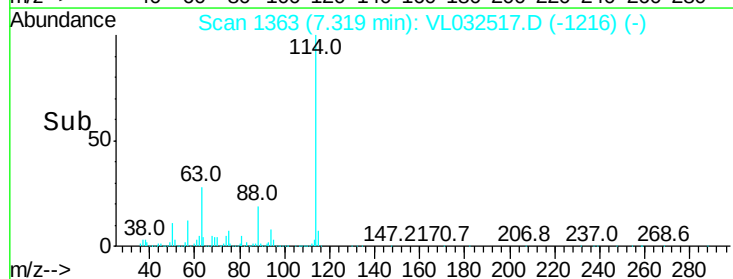
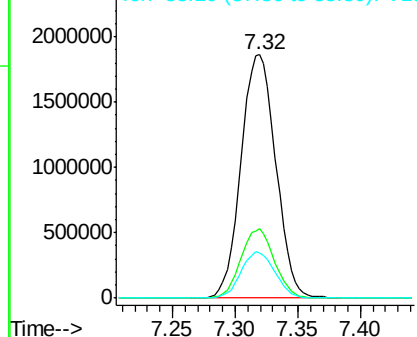
114 100

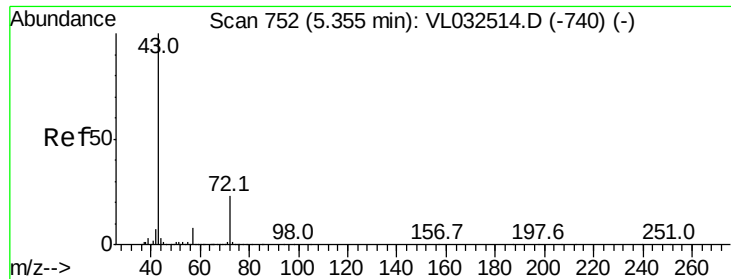
63 27.6 22.2 33.4

88 18.7 15.0 22.4



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





#34

2-Butanone

Concen: 0.425 ppbv

RT: 5.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

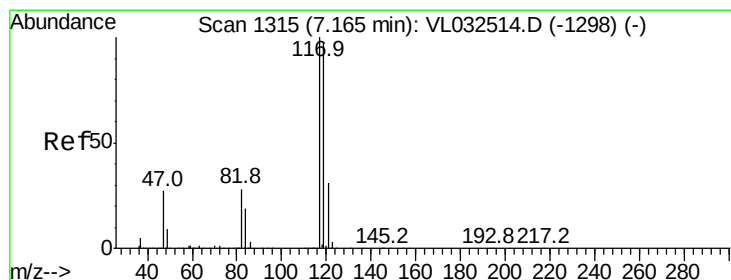
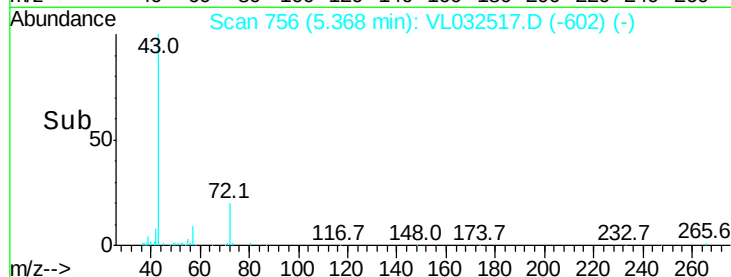
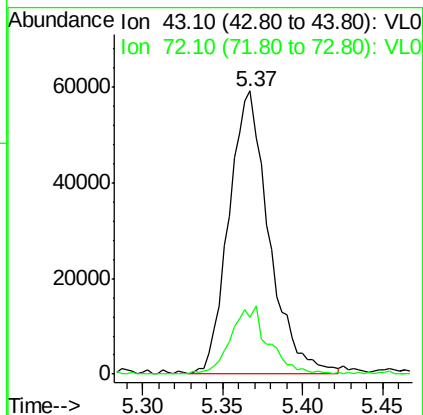
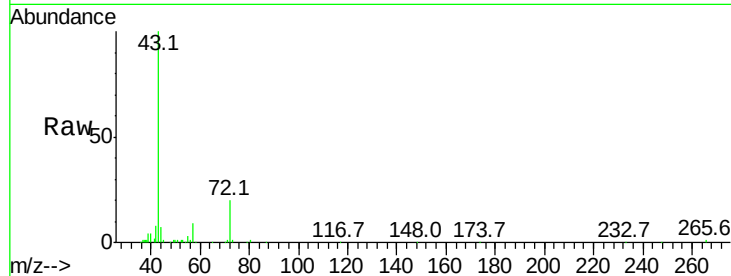
VSTDIC0.5

Tgt Ion: 43 Resp: 101355

Ion Ratio Lower Upper

43 100

72 22.9 17.8 26.6



#35

Carbon Tetrachloride

Concen: 0.505 ppbv

RT: 7.16 min Scan# 1313

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

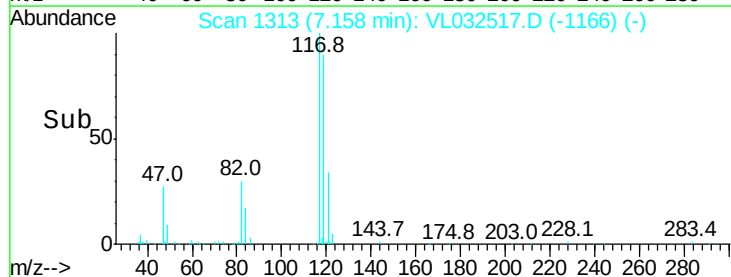
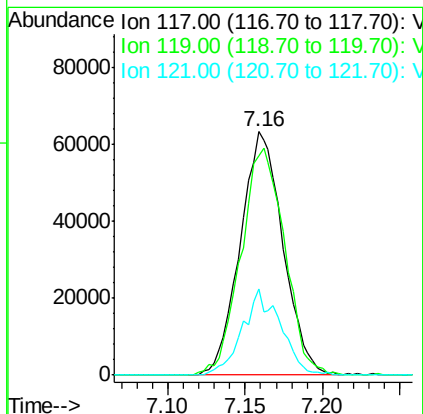
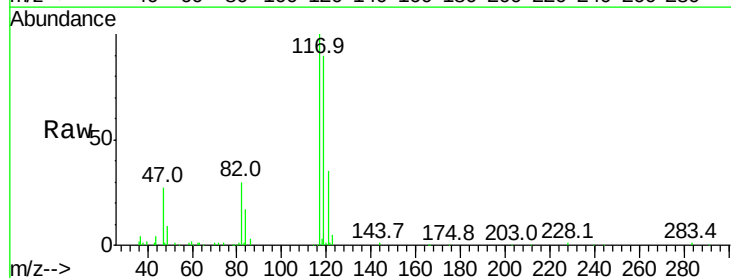
Tgt Ion: 117 Resp: 121768

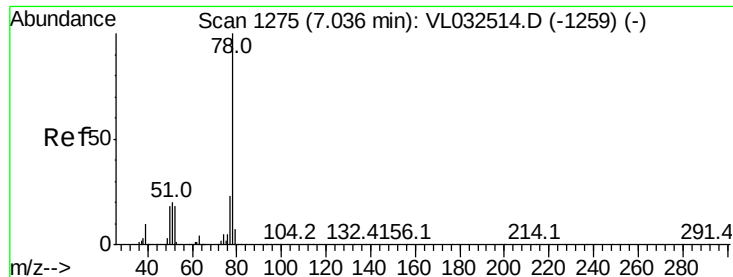
Ion Ratio Lower Upper

117 100

119 89.8 76.6 115.0

121 35.3 24.6 36.8





#36

Benzene

Concen: 0.433 ppbv

RT: 7.03 min Scan# 1274

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

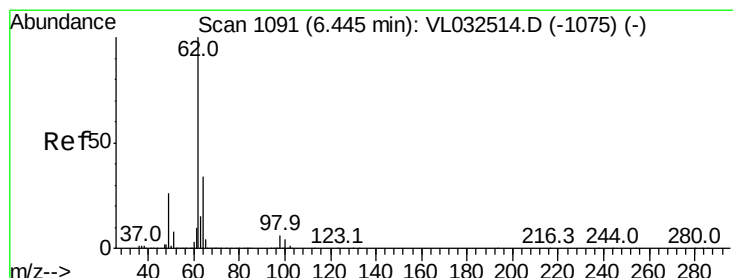
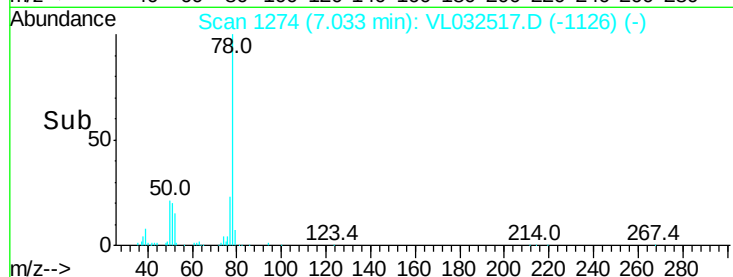
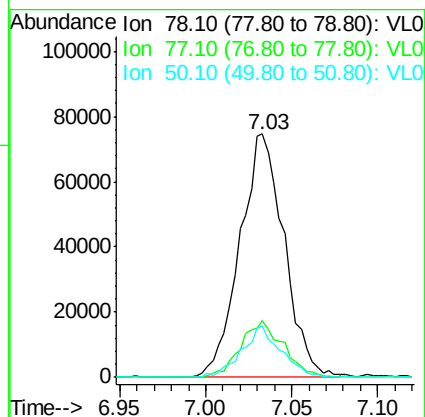
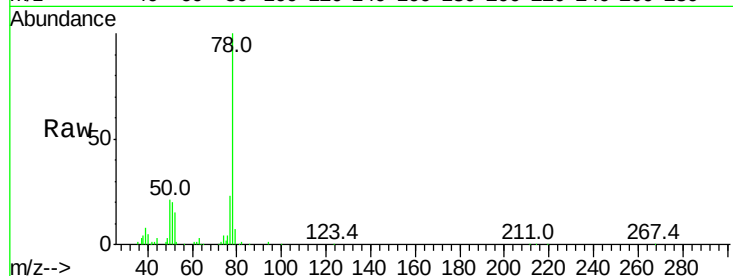
Tgt Ion: 78 Resp: 132165

Ion Ratio Lower Upper

78 100

77 23.5 18.4 27.6

50 21.3 14.4 21.6



#37

1,2-Dichloroethane

Concen: 0.466 ppbv

RT: 6.44 min Scan# 1089

Delta R.T. -0.02 min

Lab File: VL032517.D

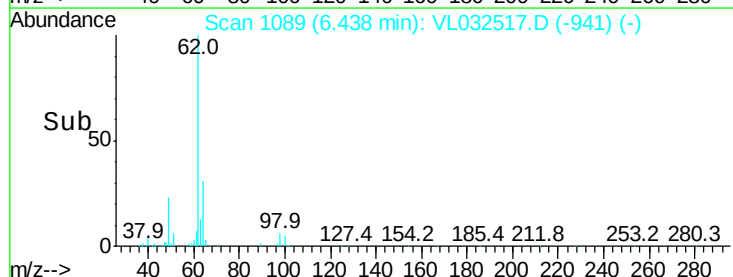
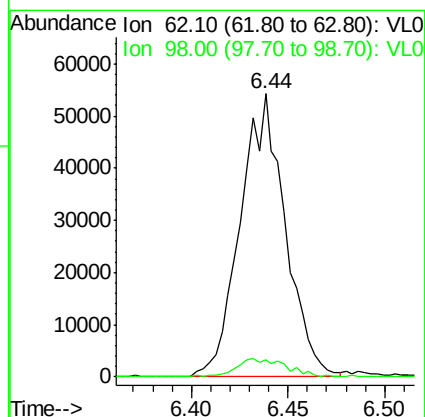
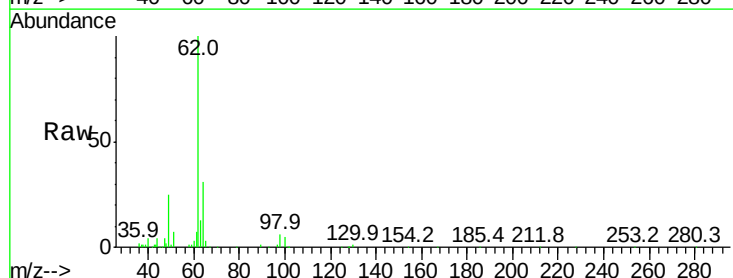
Acq: 24 Sep 2018 18:24

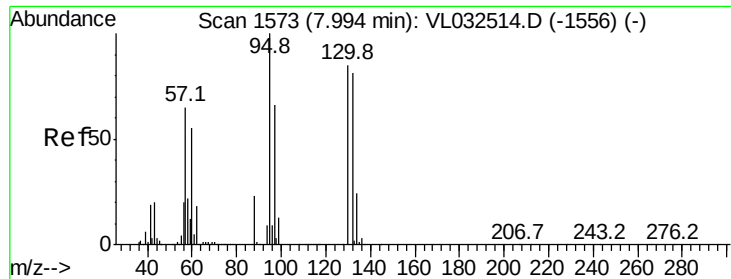
Tgt Ion: 62 Resp: 87158

Ion Ratio Lower Upper

62 100

98 7.3 5.0 7.6





#38

Trichloroethene

Concen: 0.260 ppbv

RT: 7.99 min Scan# 1571

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:130 Resp: 30148

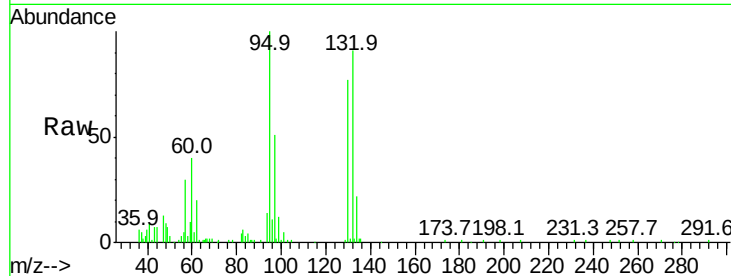
Ion Ratio Lower Upper

130 100

95 128.8 94.2 141.4

132 119.4 76.2 114.4#

97 62.6 60.8 91.2

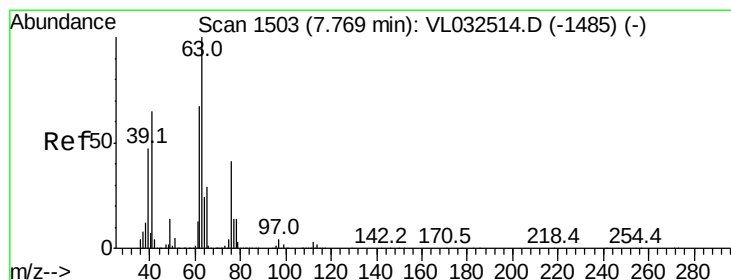
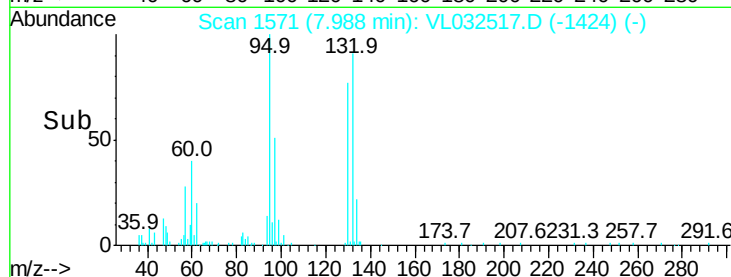
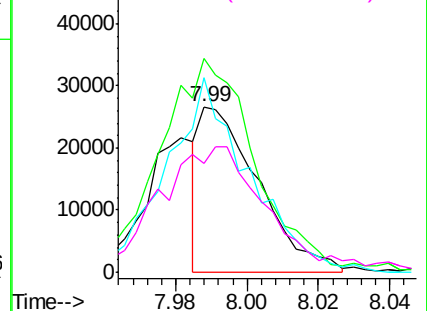


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 0.248 ppbv

RT: 7.77 min Scan# 1502

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

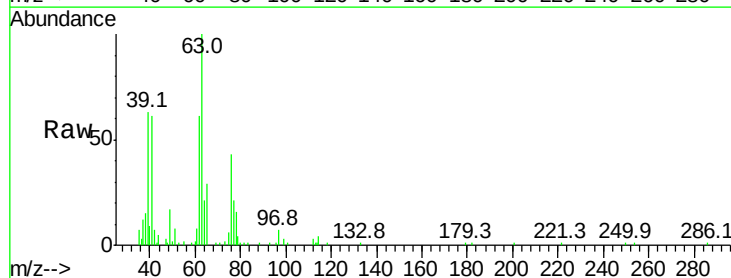
Tgt Ion: 63 Resp: 32378

Ion Ratio Lower Upper

63 100

41 58.4 55.4 83.0

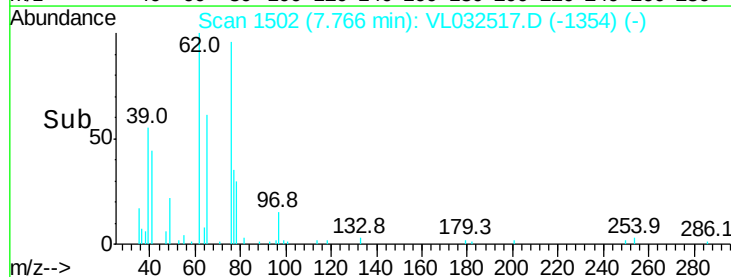
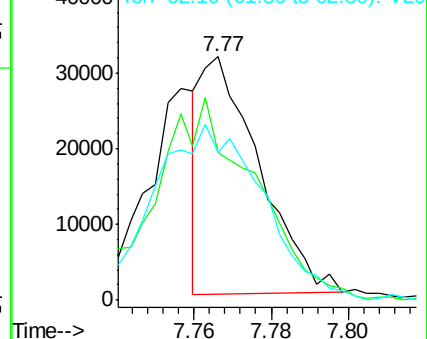
62 59.7 55.4 83.0

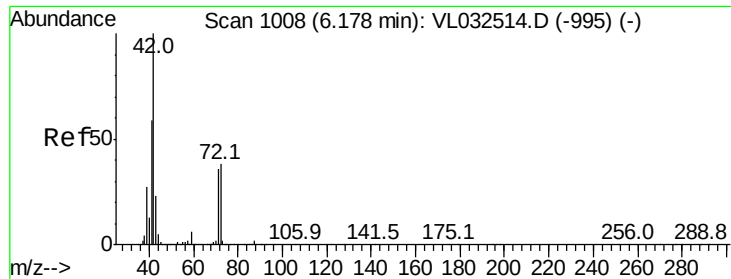


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

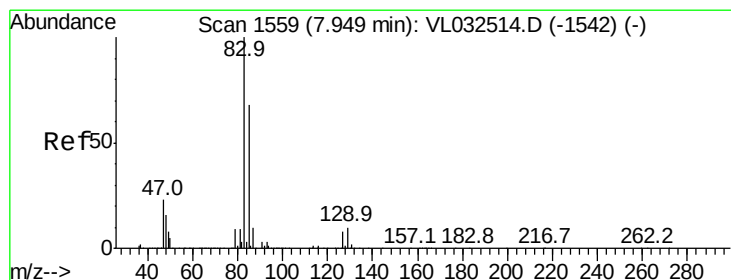
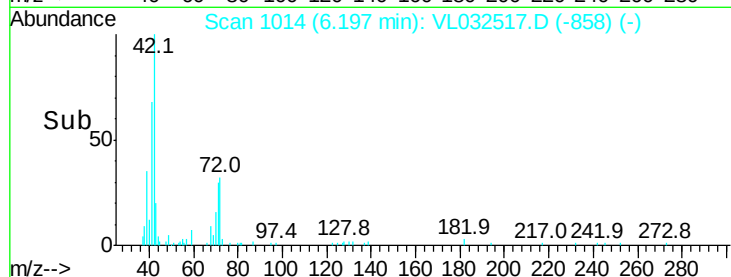
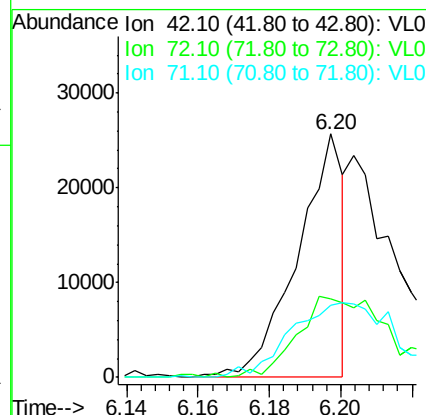
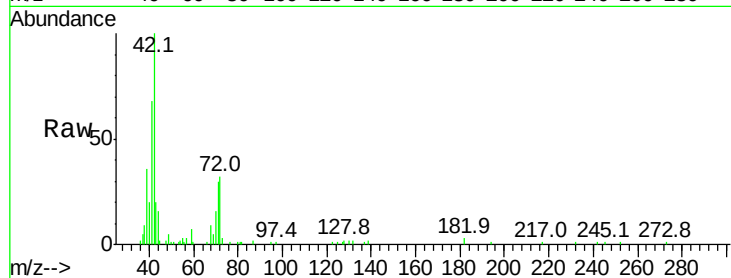




#41
Tetrahydrofuran
Concen: 0.178 ppbv
RT: 6.20 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

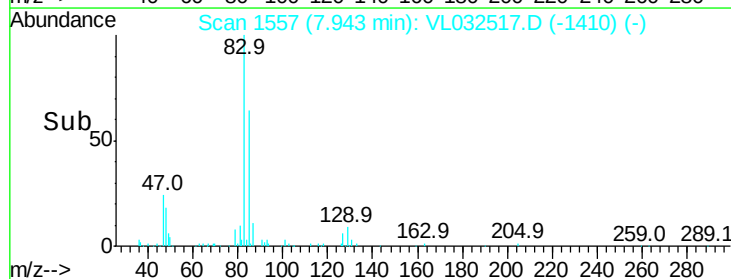
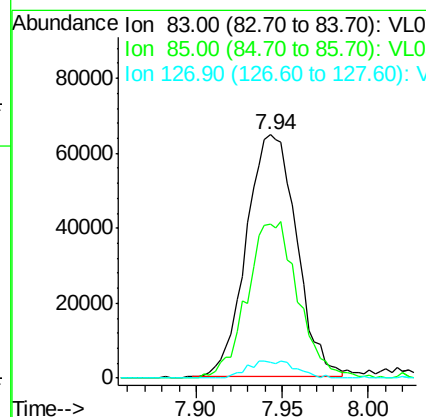
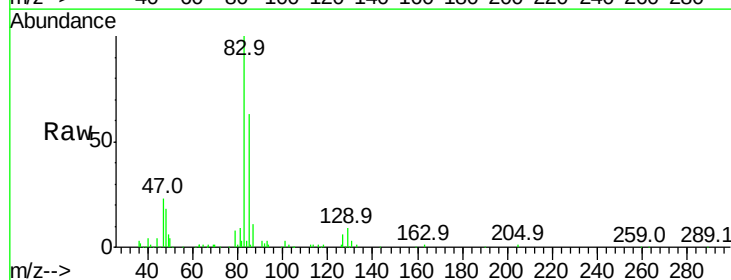
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

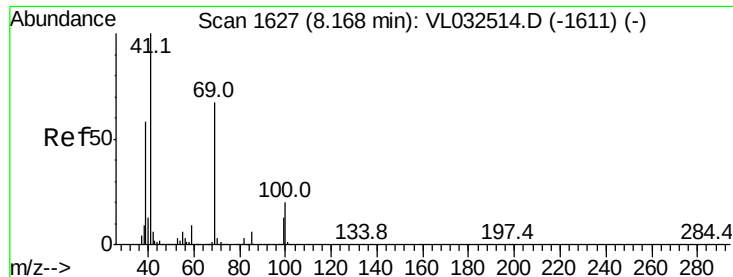
Tgt Ion: 42 Resp: 23044
Ion Ratio Lower Upper
42 100
72 70.0 29.5 44.3#
71 0.0 28.3 42.5#



#42
Bromodichloromethane
Concen: 0.507 ppbv
RT: 7.94 min Scan# 1557
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion: 83 Resp: 130896
Ion Ratio Lower Upper
83 100
85 63.0 51.1 76.7
127 6.4 5.8 8.8

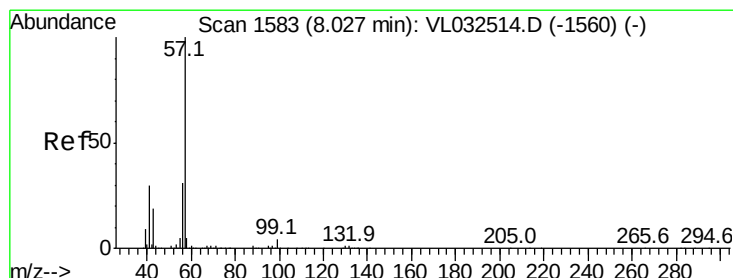
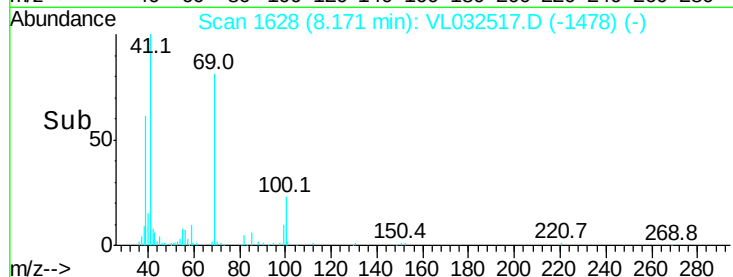
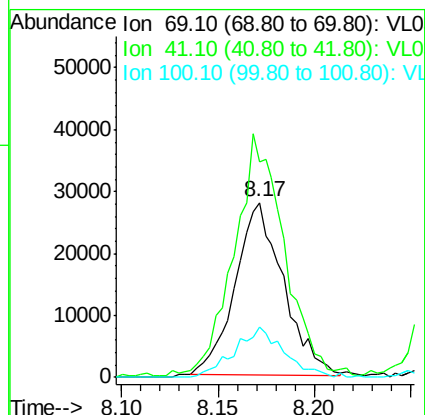
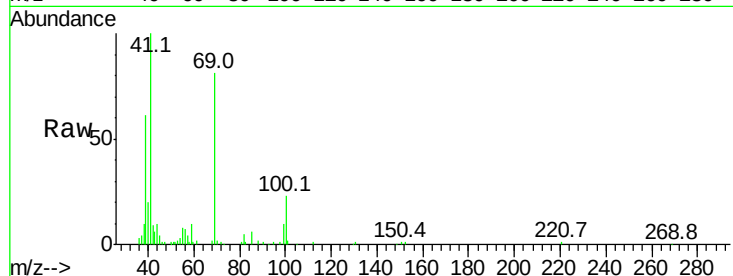




#43
Methyl Methacrylate
Concen: 0.372 ppbv
RT: 8.17 min Scan# 1628
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

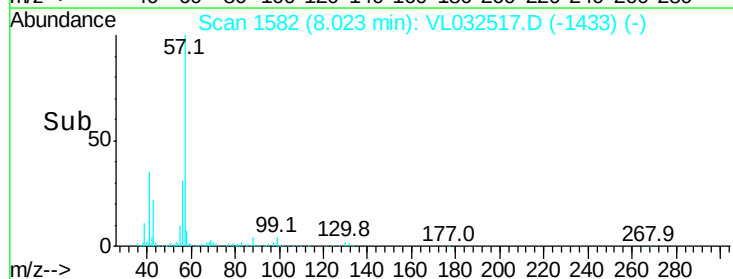
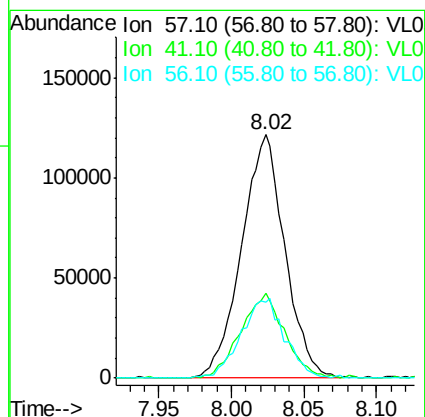
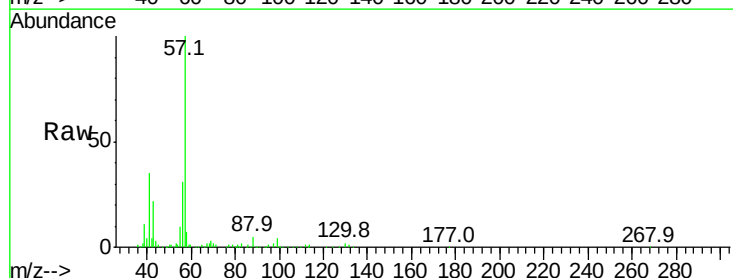
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

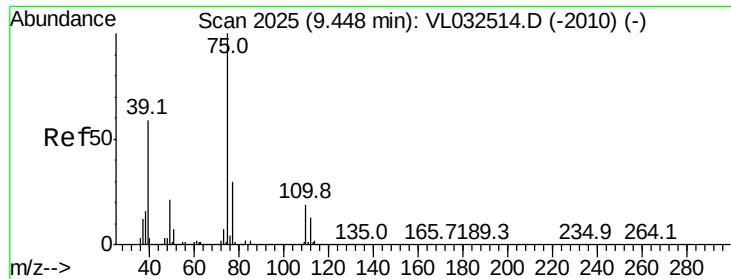
Tgt Ion: 69 Resp: 48232
Ion Ratio Lower Upper
69 100
41 149.8 117.1 175.7
100 30.0 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 0.427 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion: 57 Resp: 252038
Ion Ratio Lower Upper
57 100
41 36.0 24.4 36.6
56 33.5 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 0.401 ppbv

RT: 9.45 min Scan# 2025

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

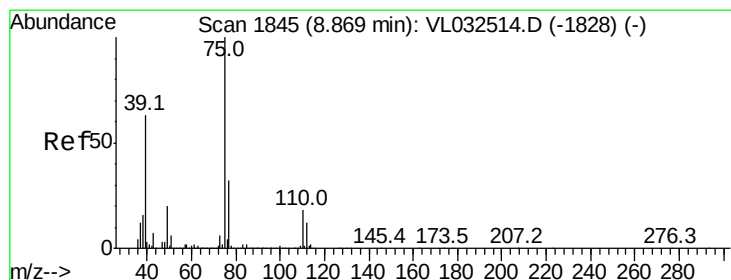
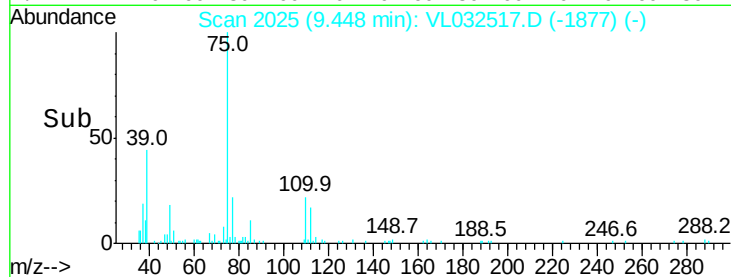
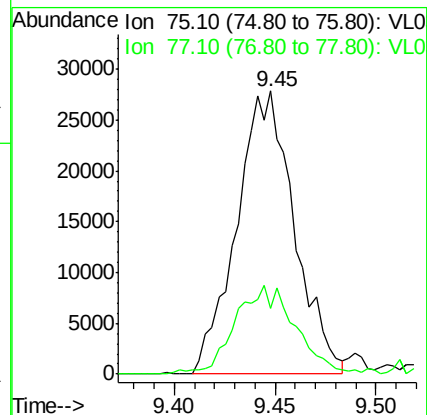
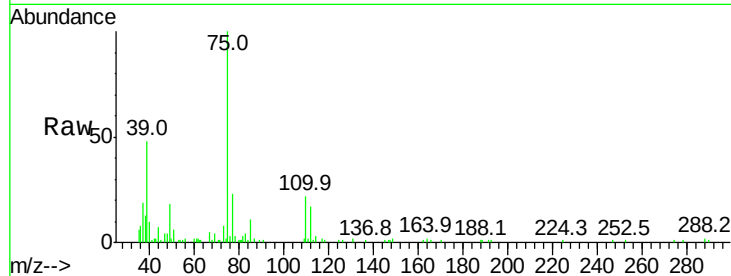
VSTDIC0.5

Tgt Ion: 75 Resp: 55593

Ion Ratio Lower Upper

75 100

77 23.0 26.2 39.2#



#46

cis-1,3-Dichloropropene

Concen: 0.369 ppbv

RT: 8.87 min Scan# 1844

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

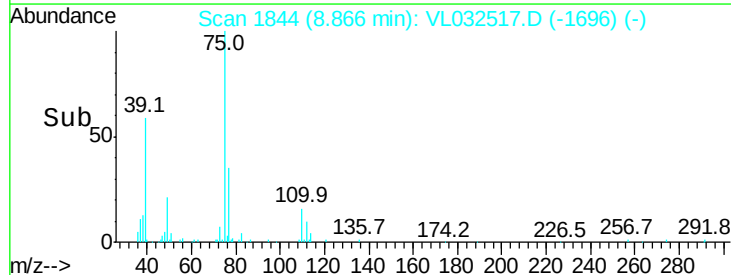
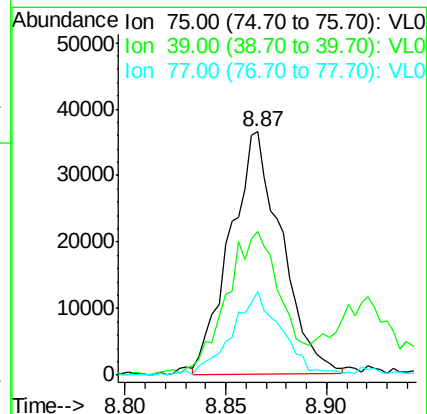
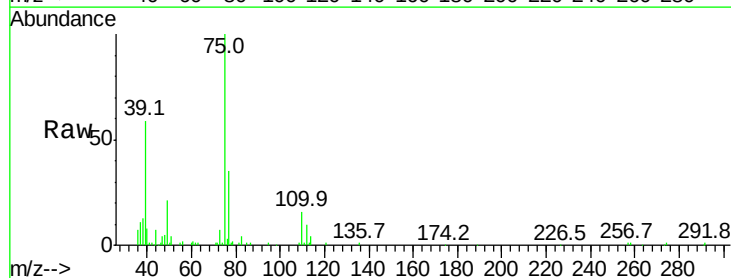
Tgt Ion: 75 Resp: 65328

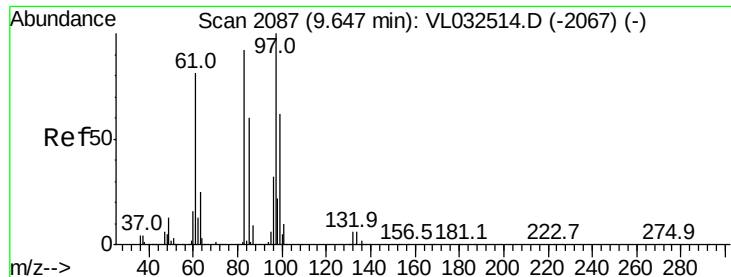
Ion Ratio Lower Upper

75 100

39 56.8 48.9 73.3

77 35.4 25.4 38.0

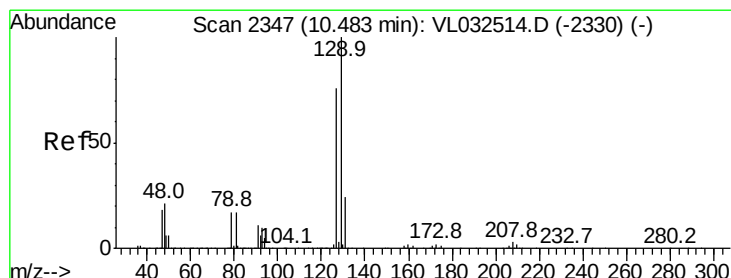
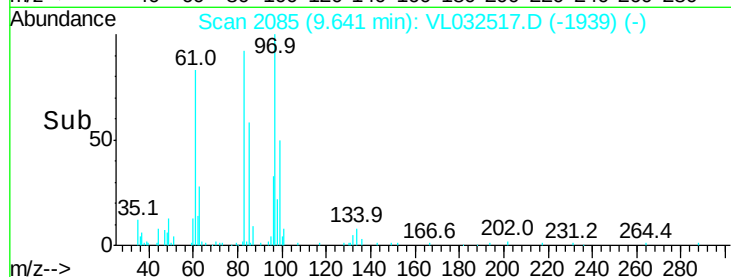
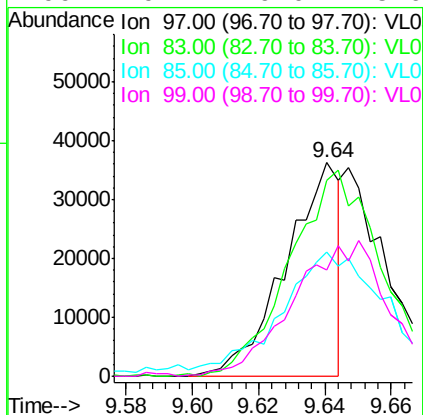
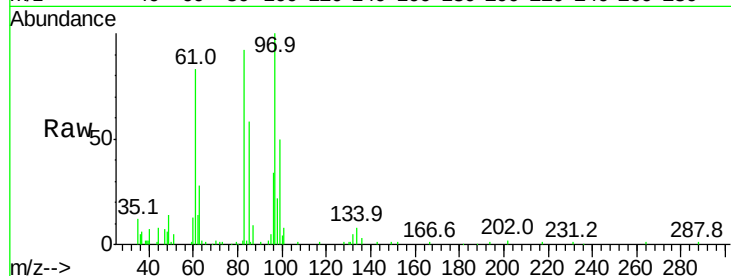




#47
 1,1,2-Trichloroethane
 Concen: 0.296 ppbv
 RT: 9.64 min Scan# 2085
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

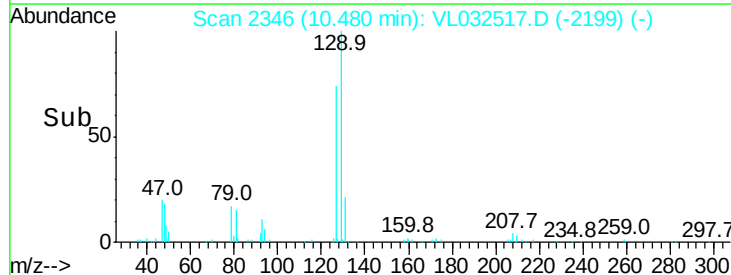
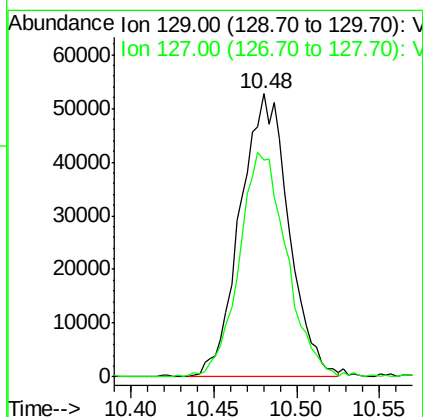
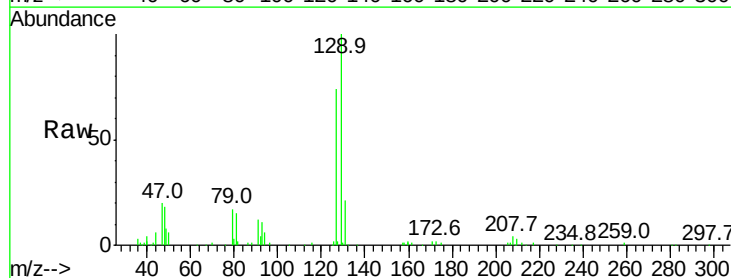
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

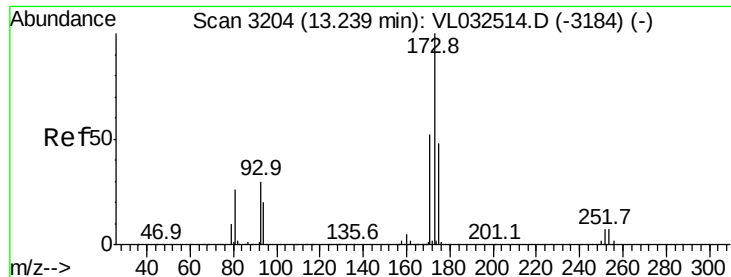
Tgt Ion: 97 Resp: 41092
 Ion Ratio Lower Upper
 97 100
 83 90.4 75.0 112.4
 85 54.9 47.5 71.3
 99 49.2 49.0 73.6



#48
 Dibromochloromethane
 Concen: 0.560 ppbv
 RT: 10.48 min Scan# 2346
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion: 129 Resp: 107822
 Ion Ratio Lower Upper
 129 100
 127 77.7 39.5 118.3





#49

Bromoform

Concen: 0.228 ppbv

RT: 13.23 min Scan# 3200

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

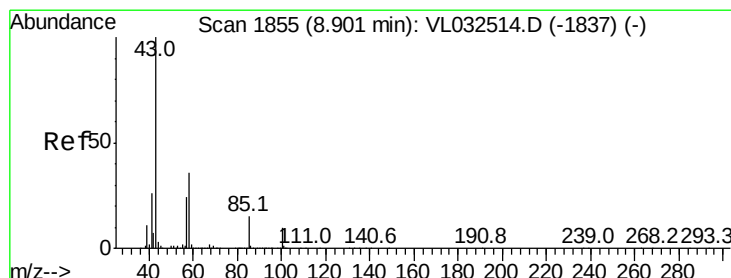
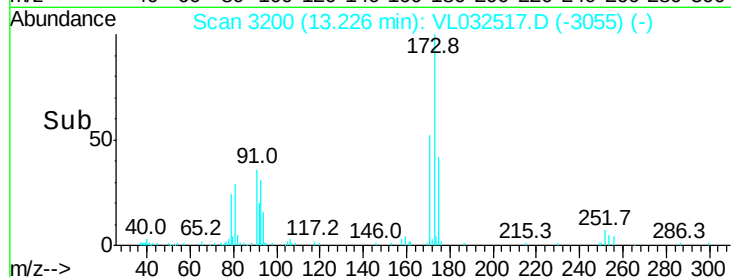
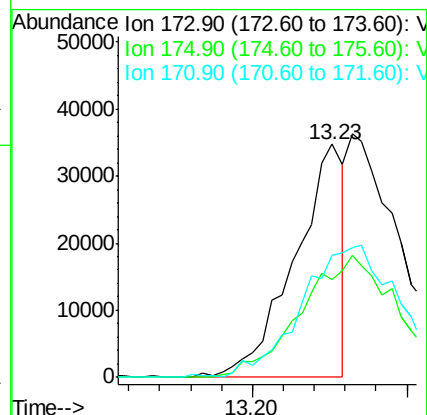
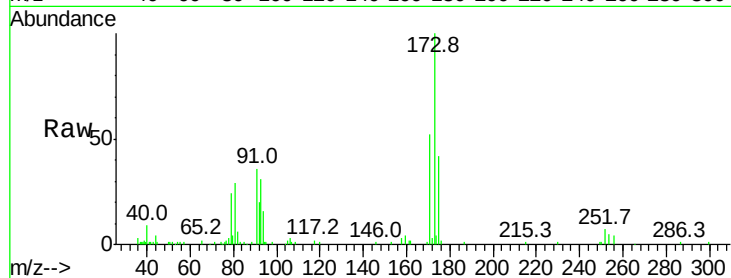
Tgt Ion:173 Resp: 38144

Ion Ratio Lower Upper

173 100

175 0.0 38.9 58.3#

171 0.0 41.6 62.4#



#50

4-Methyl-2-Pentanone

Concen: 0.404 ppbv

RT: 8.92 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VL032517.D

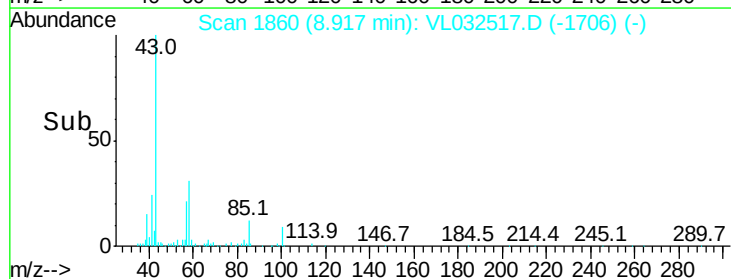
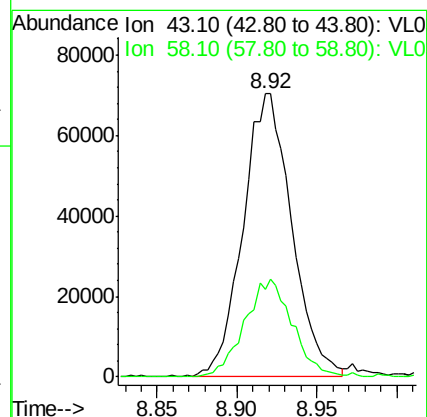
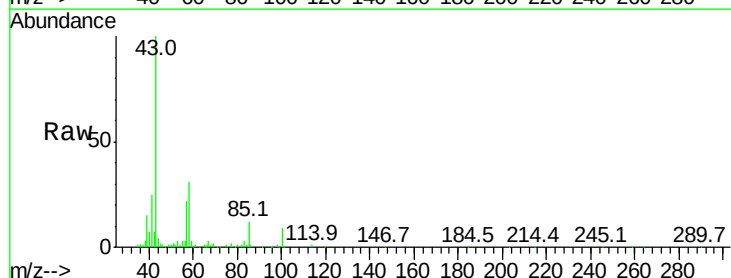
Acq: 24 Sep 2018 18:24

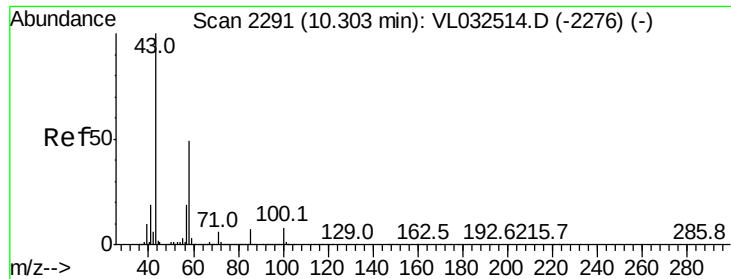
Tgt Ion: 43 Resp: 145092

Ion Ratio Lower Upper

43 100

58 34.5 29.0 43.4





#51

2-Hexanone

Concen: 0.425 ppbv

RT: 10.33 min Scan# 2299

Delta R.T. 0.00 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

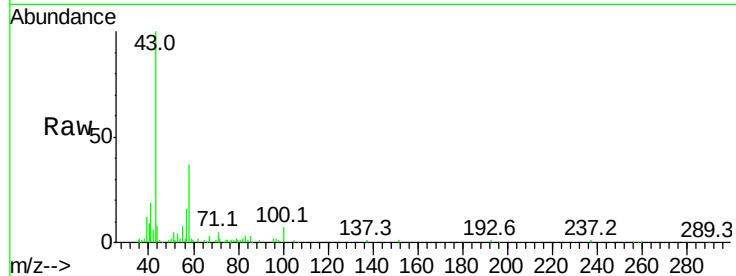
Tgt Ion: 43 Resp: 98336

Ion Ratio Lower Upper

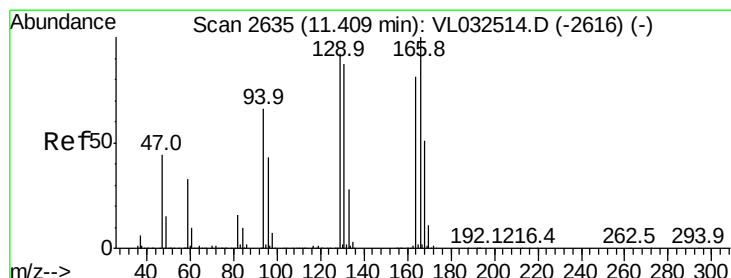
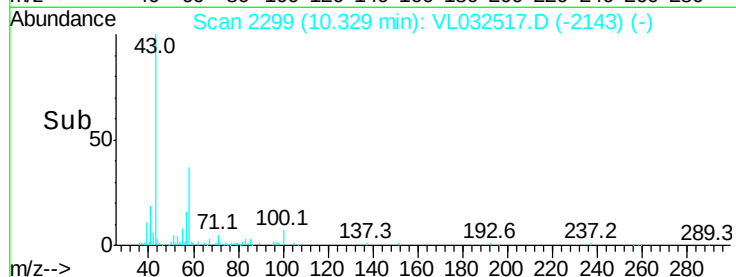
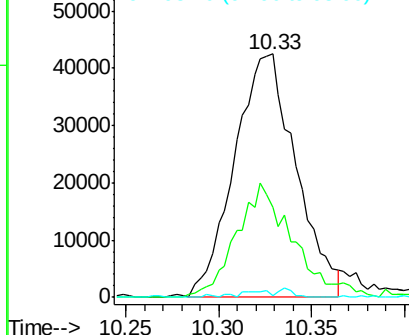
43 100

58 44.2 39.2 58.8

98 2.3 0.4 0.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.472 ppbv

RT: 11.41 min Scan# 2634

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion: 164 Resp: 44678

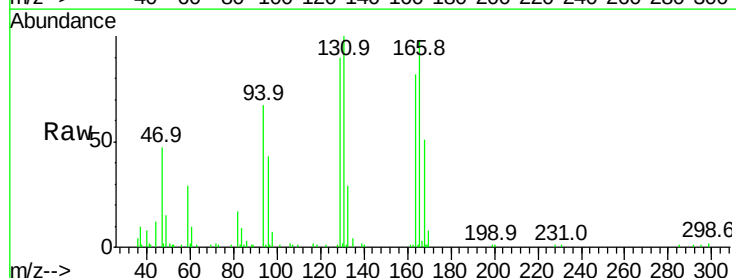
Ion Ratio Lower Upper

164 100

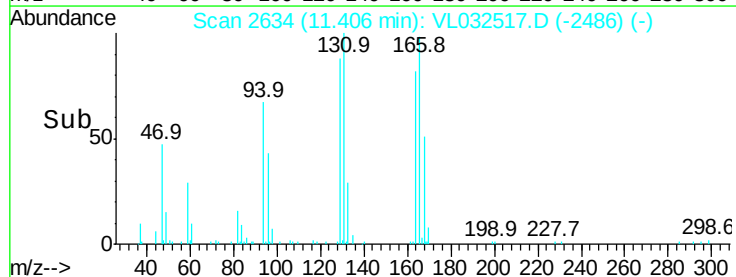
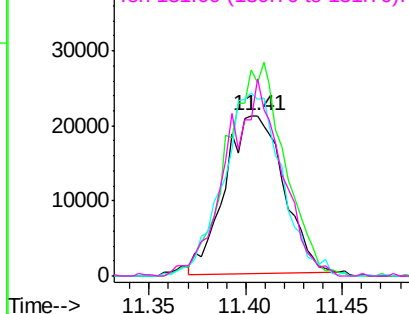
166 121.0 100.6 150.8

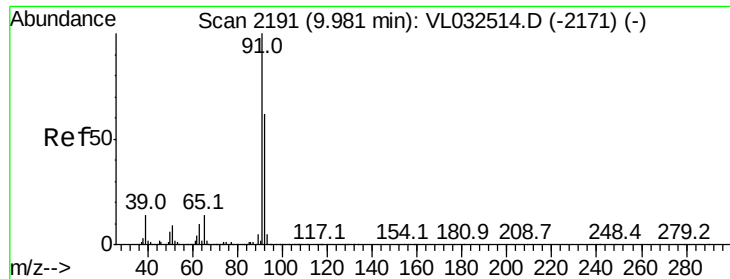
129 111.6 89.9 134.9

131 125.7 85.9 128.9



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.418 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

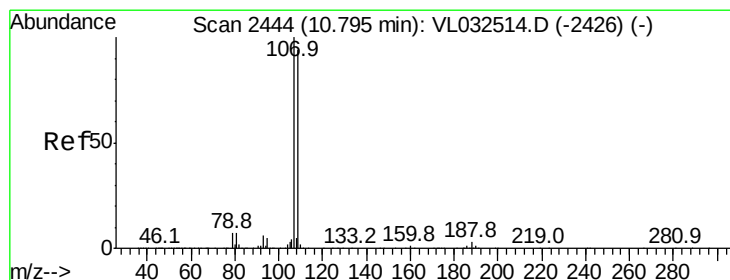
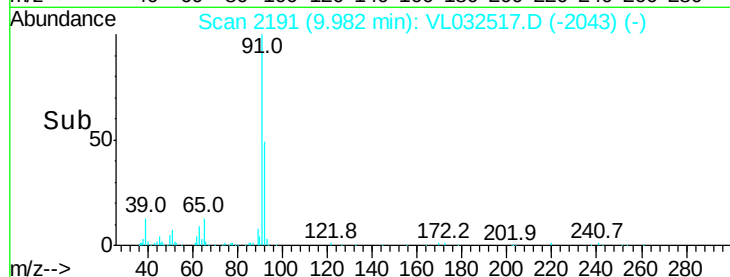
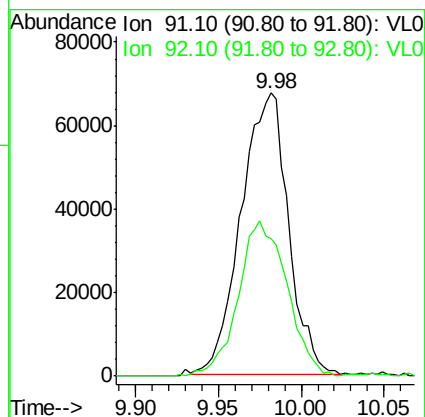
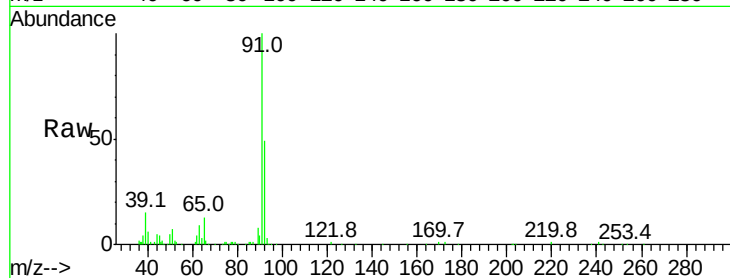
VSTDIC0.5

Tgt Ion: 91 Resp: 133585

Ion Ratio Lower Upper

91 100

92 57.7 48.1 72.1



#54

1,2-Dibromoethane

Concen: 0.502 ppbv

RT: 10.79 min Scan# 2443

Delta R.T. -0.02 min

Lab File: VL032517.D

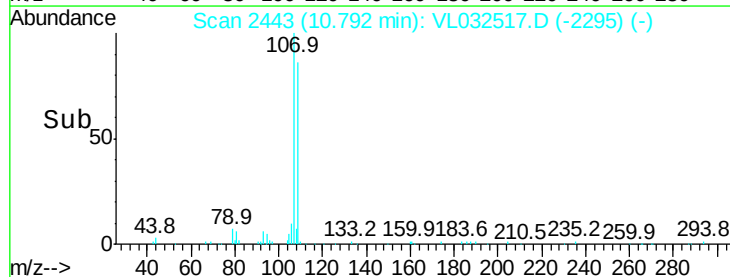
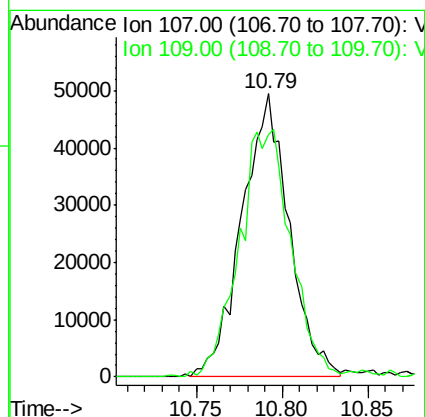
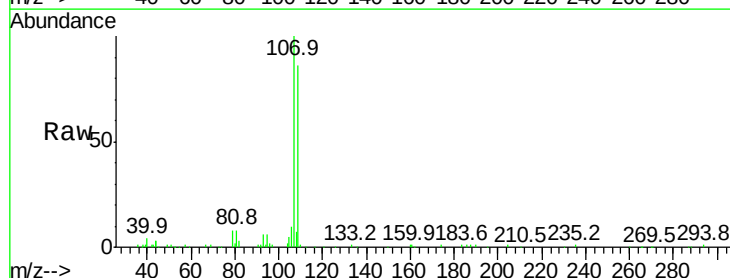
Acq: 24 Sep 2018 18:24

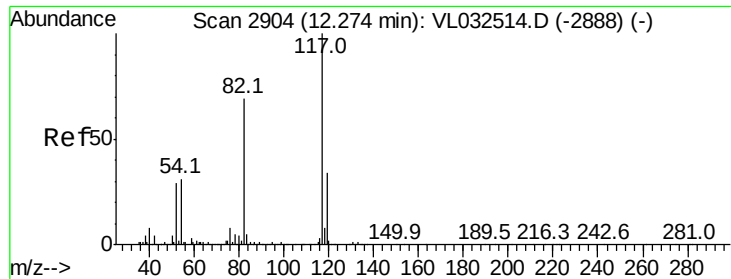
Tgt Ion: 107 Resp: 93580

Ion Ratio Lower Upper

107 100

109 84.7 73.9 110.9

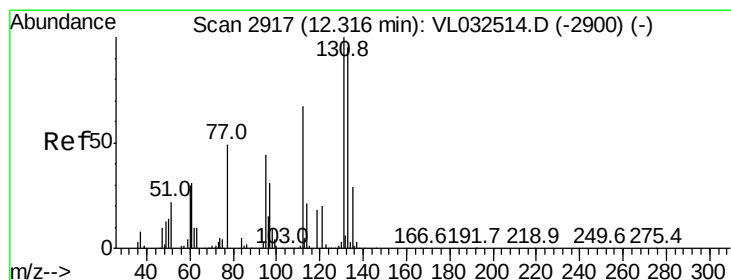
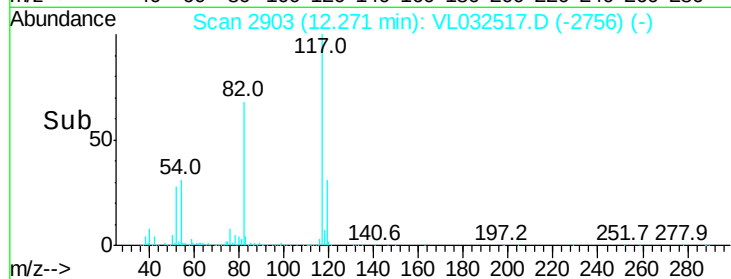
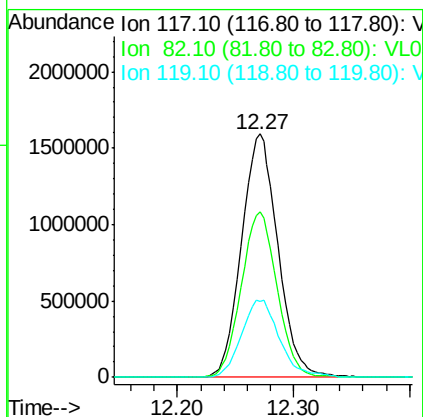
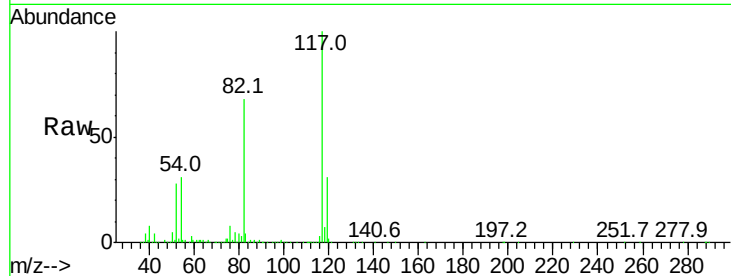




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

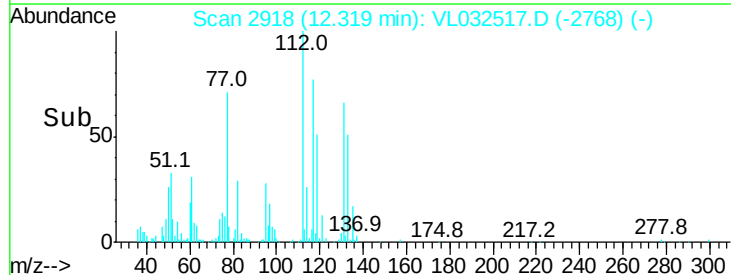
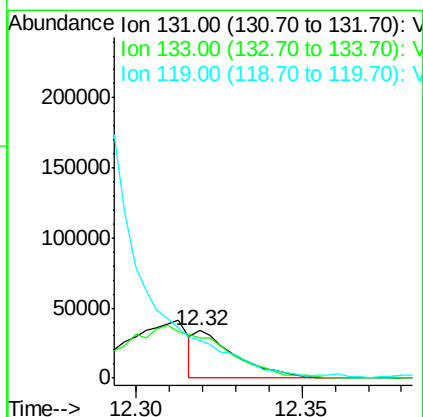
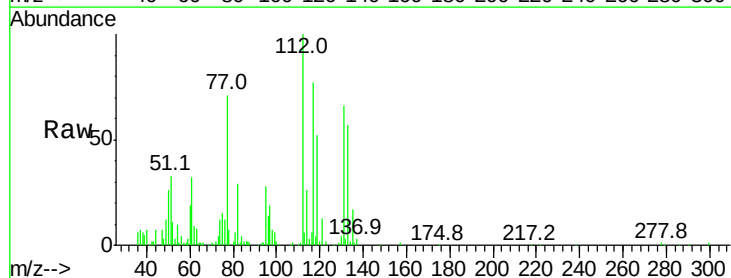
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

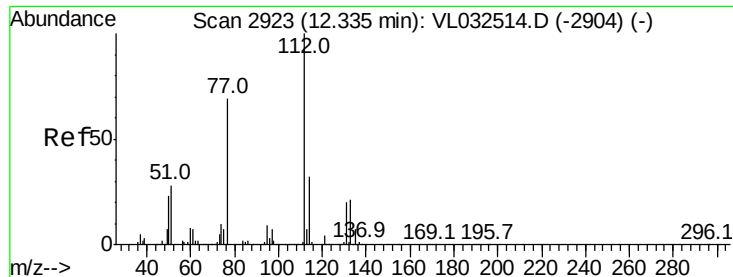
Tgt Ion:117 Resp: 3469883
Ion Ratio Lower Upper
117 100
82 67.3 53.0 79.6
119 33.4 45.9 68.9#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.181 ppbv
RT: 12.32 min Scan# 2918
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion:131 Resp: 28300
Ion Ratio Lower Upper
131 100
133 0.0 77.0 115.4#
119 0.0 114.2 171.2#

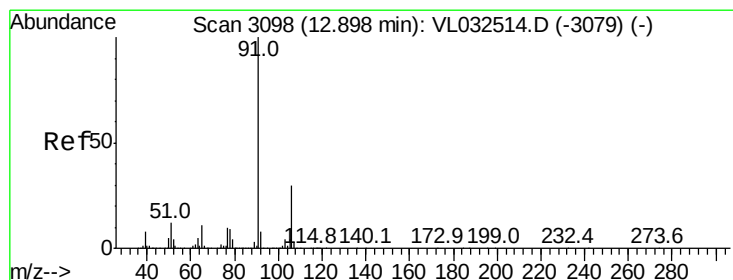
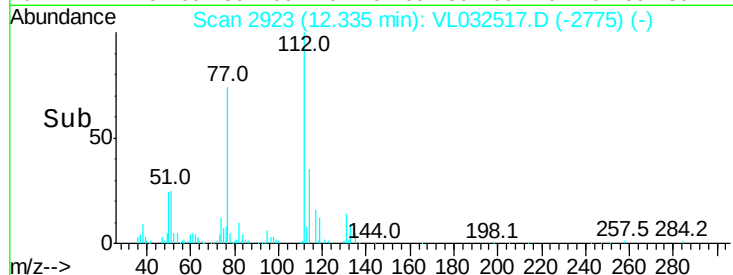
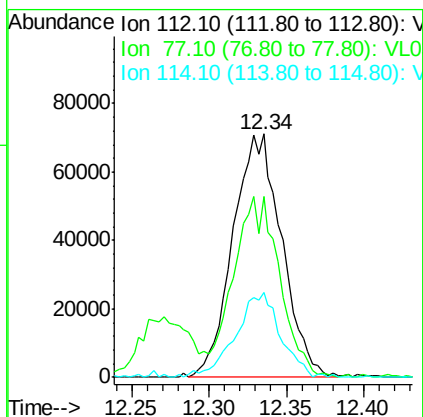
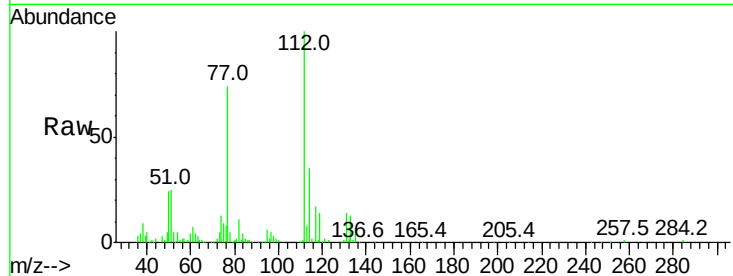




#57
Chlorobenzene
Concen: 0.557 ppbv
RT: 12.34 min Scan# 2923
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

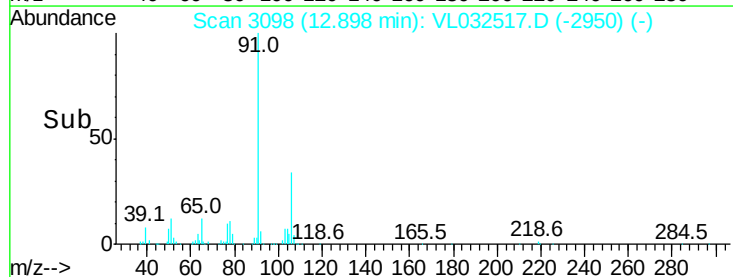
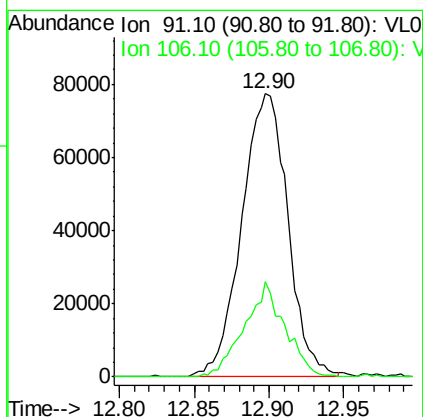
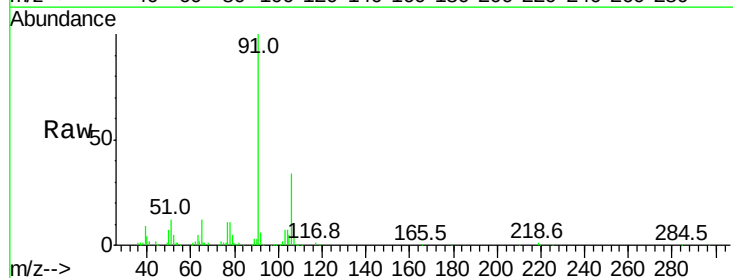
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

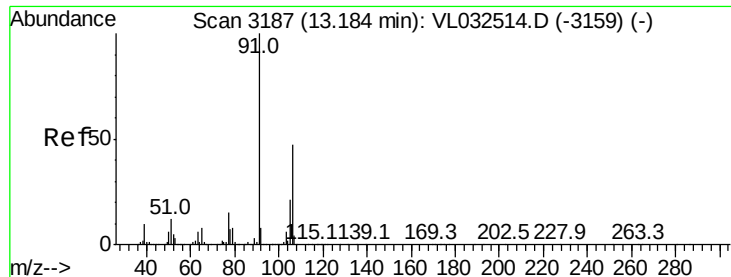
Tgt Ion: 112 Resp: 154372
Ion Ratio Lower Upper
112 100
77 74.3 56.1 84.1
114 34.7 27.8 34.0#



#58
Ethyl Benzene
Concen: 0.401 ppbv
RT: 12.90 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL032517.D
Acq: 24 Sep 2018 18:24

Tgt Ion: 91 Resp: 166336
Ion Ratio Lower Upper
91 100
106 33.6 24.8 37.2





#59

m/p-Xylene

Concen: 0.185 ppbv

RT: 13.18 min Scan# 3185

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

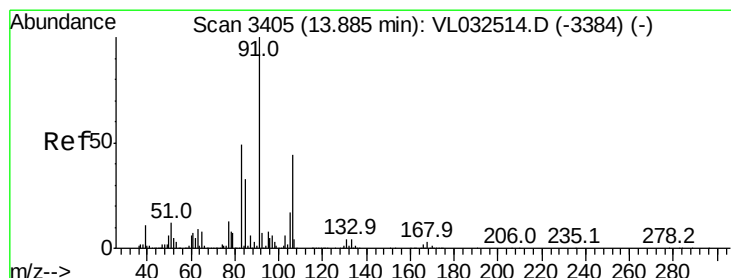
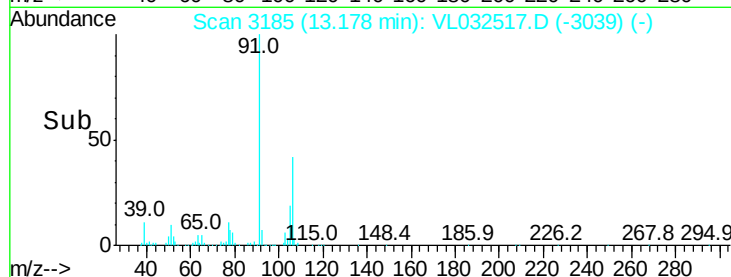
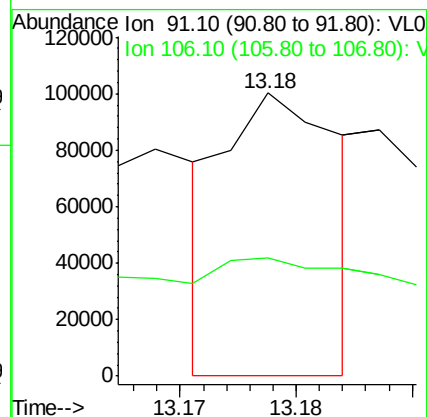
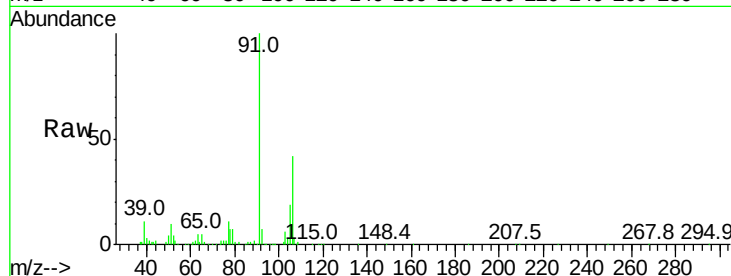
VSTDIC0.5

Tgt Ion: 91 Resp: 68340

Ion Ratio Lower Upper

91 100

106 207.7 36.6 55.0#



#60

o-Xylene

Concen: 0.440 ppbv

RT: 13.88 min Scan# 3404

Delta R.T. -0.03 min

Lab File: VL032517.D

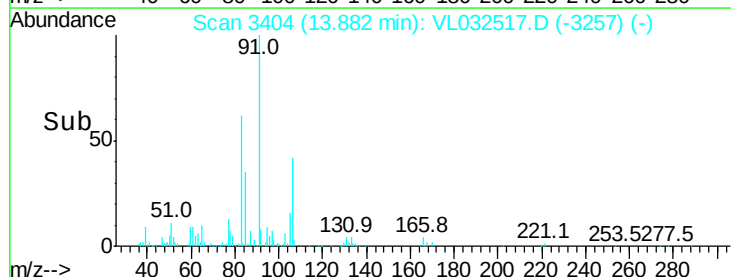
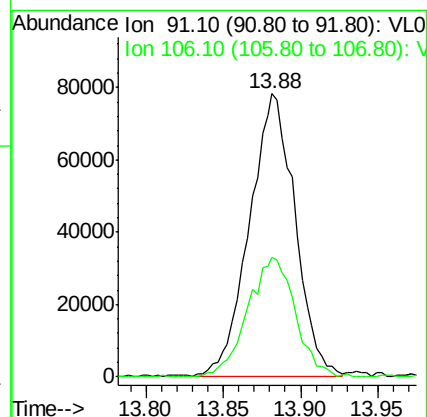
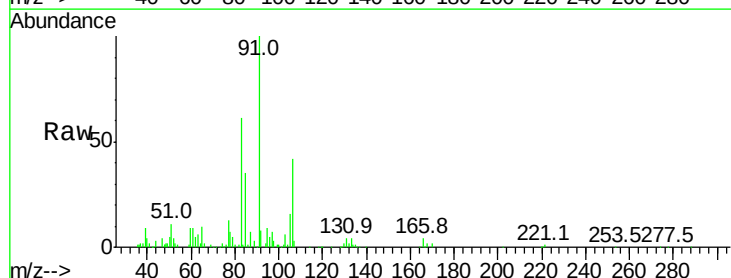
Acq: 24 Sep 2018 18:24

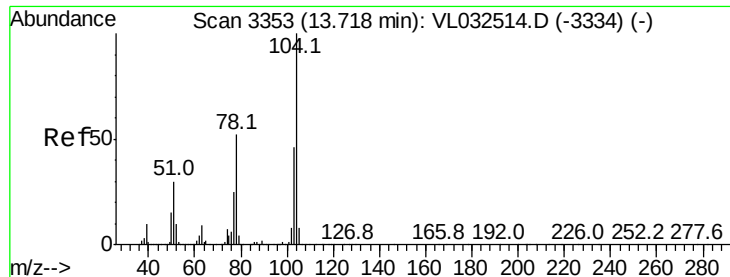
Tgt Ion: 91 Resp: 160040

Ion Ratio Lower Upper

91 100

106 44.3 21.9 65.7





#61

Styrene

Concen: 0.342 ppbv

RT: 13.72 min Scan# 3353

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

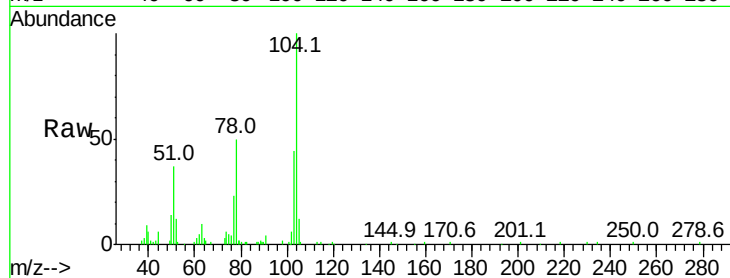
Tgt Ion:104 Resp: 80616

Ion Ratio Lower Upper

104 100

78 55.4 41.8 62.8

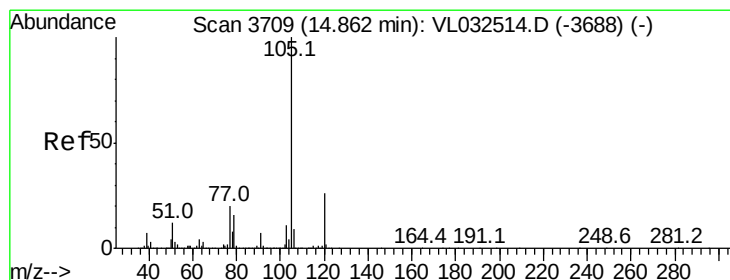
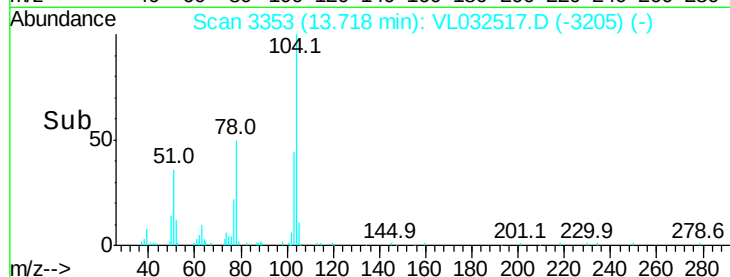
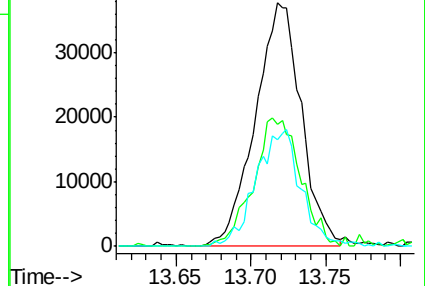
103 47.0 38.0 57.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.466 ppbv

RT: 14.86 min Scan# 3708

Delta R.T. -0.03 min

Lab File: VL032517.D

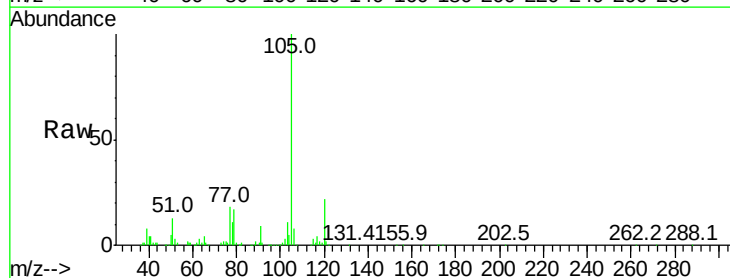
Acq: 24 Sep 2018 18:24

Tgt Ion:105 Resp: 238071

Ion Ratio Lower Upper

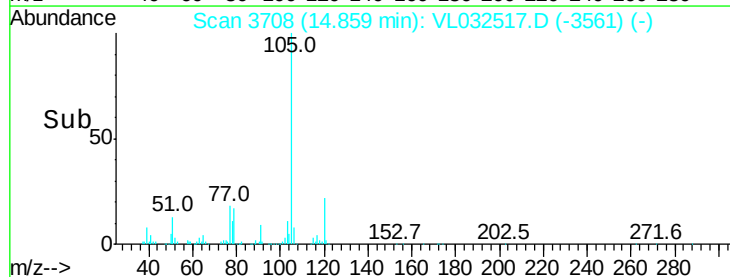
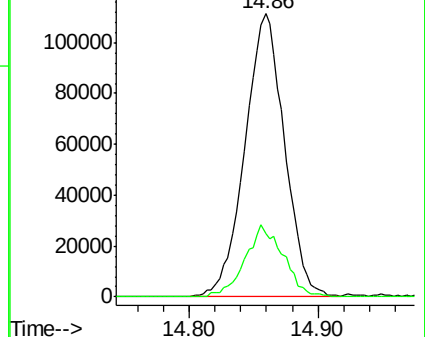
105 100

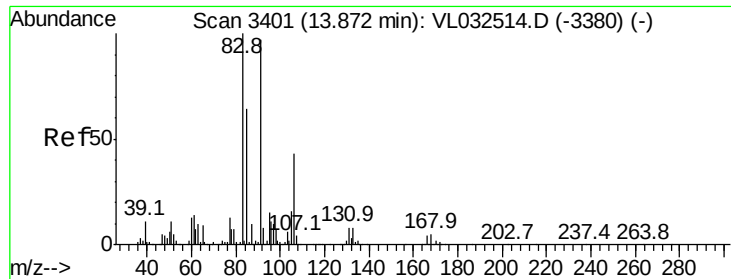
120 24.5 20.6 31.0



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: 0.529 ppbv

RT: 13.87 min Scan# 3399

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

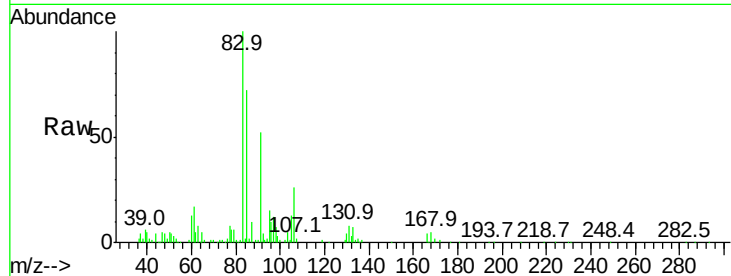
Tgt Ion: 83 Resp: 171936

Ion Ratio Lower Upper

83 100

131 8.2 4.3 12.8

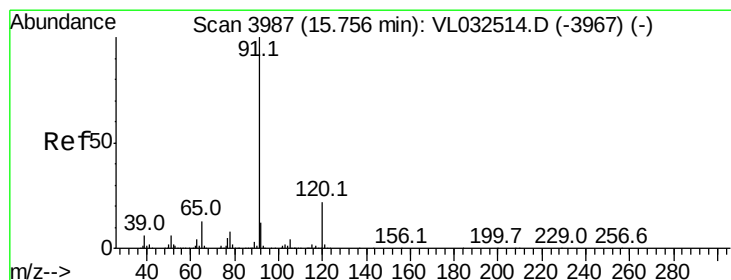
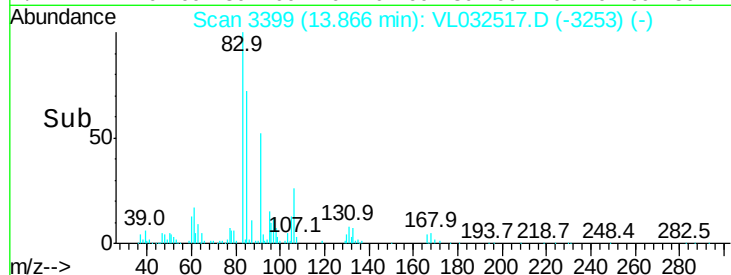
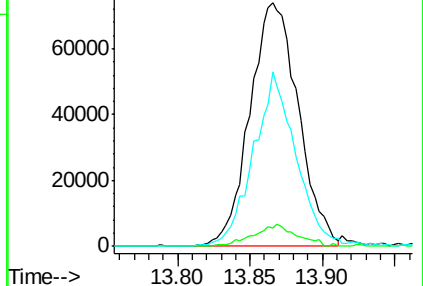
85 63.5 32.3 96.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.216 ppbv

RT: 15.76 min Scan# 3987

Delta R.T. -0.02 min

Lab File: VL032517.D

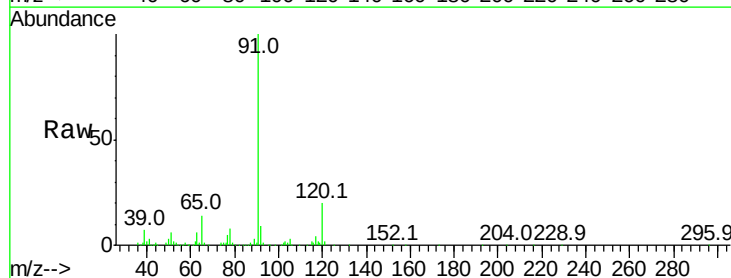
Acq: 24 Sep 2018 18:24

Tgt Ion: 120 Resp: 28862

Ion Ratio Lower Upper

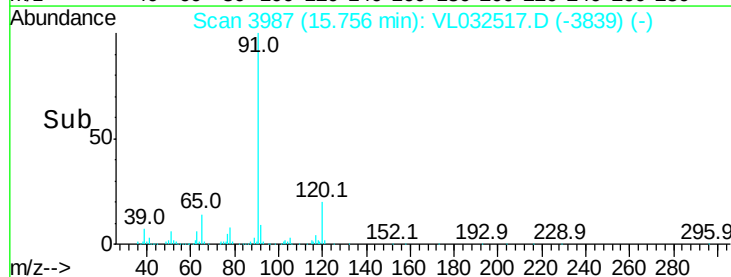
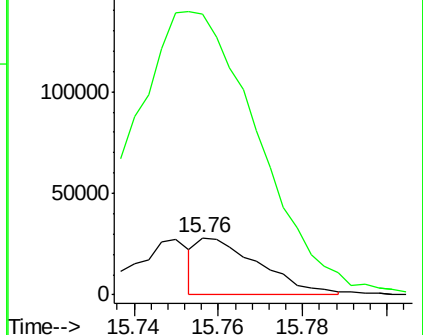
120 100

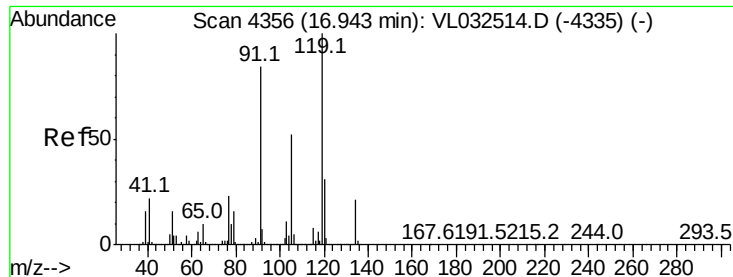
91 1048.6 381.8 572.6#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

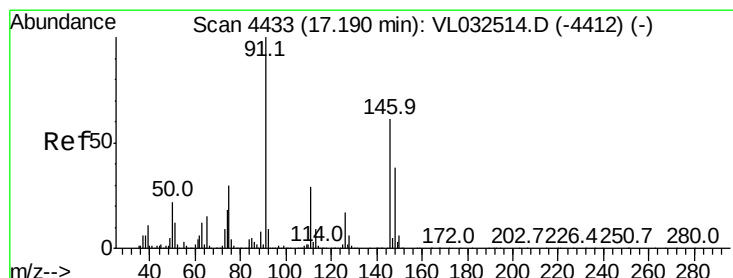
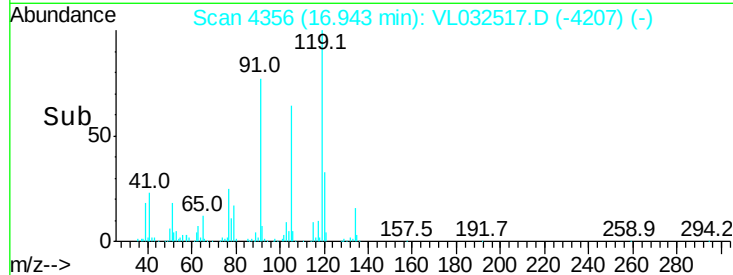
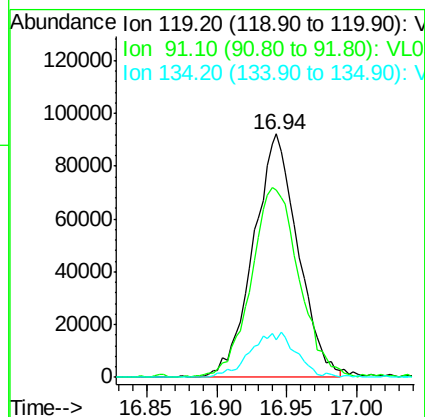
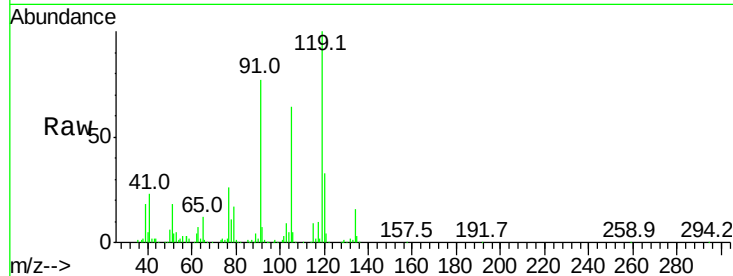




#65
 tert-Butylbenzene
 Concen: 0.460 ppbv
 RT: 16.94 min Scan# 4356
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

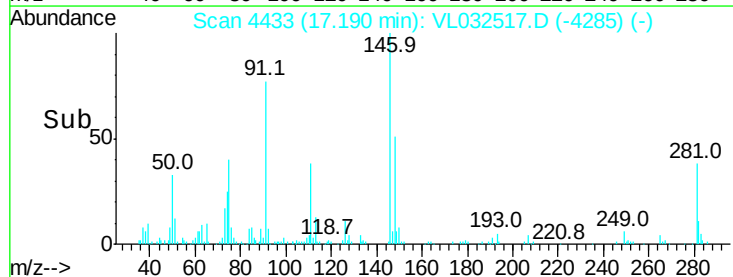
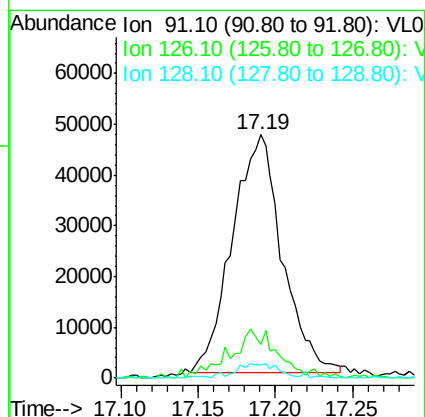
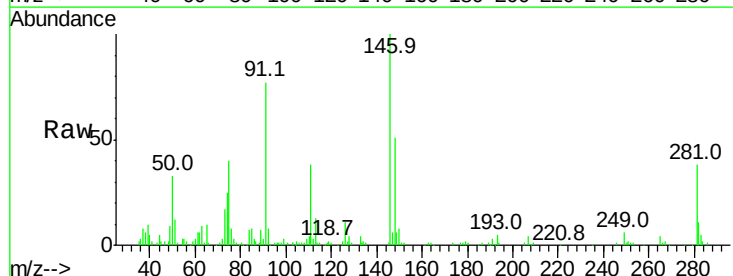
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

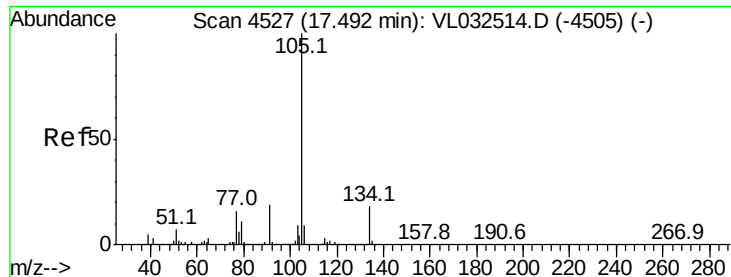
Tgt Ion:	119	Resp:	202539
Ion	Ratio	Lower	Upper
119	100		
91	84.6	66.5	99.7
134	19.4	16.0	24.0



#66
 Benzyl Chloride
 Concen: 0.429 ppbv
 RT: 17.19 min Scan# 4433
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion:	91	Resp:	105348
Ion	Ratio	Lower	Upper
91	100		
126	20.6	13.8	20.8
128	5.9	4.4	6.6





#67

sec-Butylbenzene

Concen: 0.454 ppbv

RT: 17.49 min Scan# 4527

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

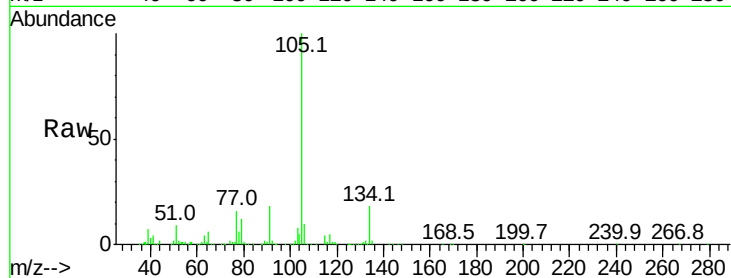
VSTDIC0.5

Tgt Ion:105 Resp: 300928

Ion Ratio Lower Upper

105 100

134 17.6 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.49

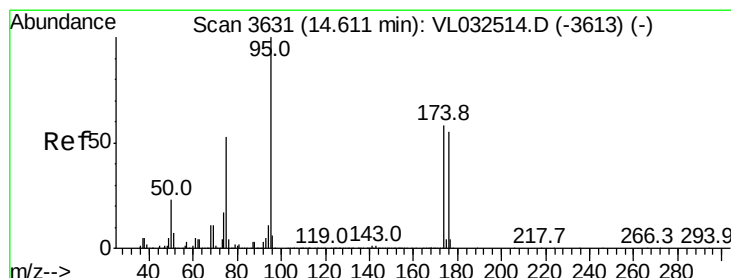
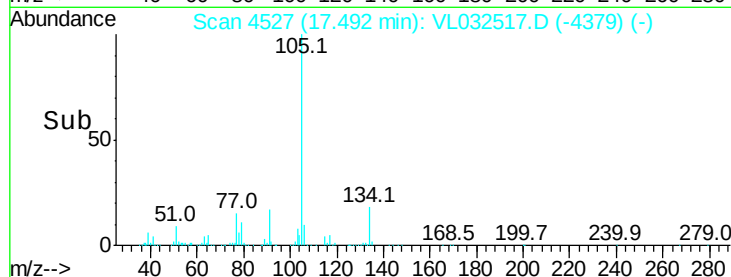
150000

100000

50000

0

Time--> 17.40 17.45 17.50 17.55



#68

1-Bromo-4-Fluorobenzene

Concen: 10.475 ppbv

RT: 14.61 min Scan# 3630

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

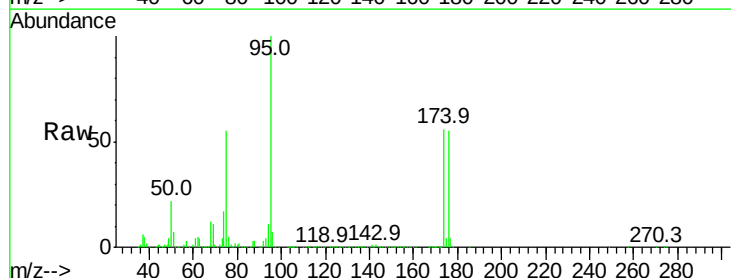
Tgt Ion: 95 Resp: 2698444

Ion Ratio Lower Upper

95 100

174 57.1 46.3 69.5

175 4.0 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

14.61

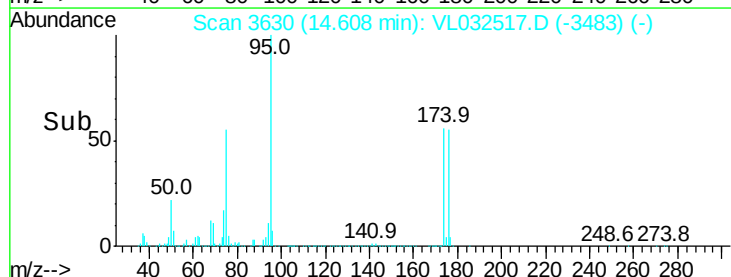
1500000

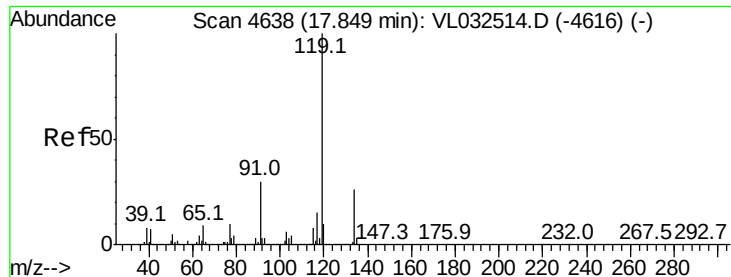
1000000

500000

0

Time--> 14.50 14.60 14.70

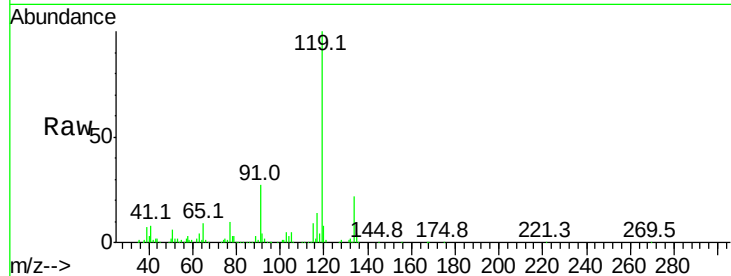




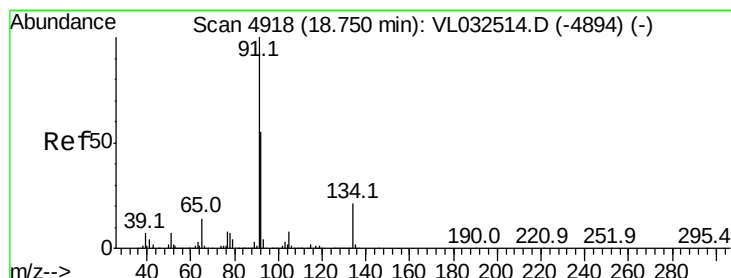
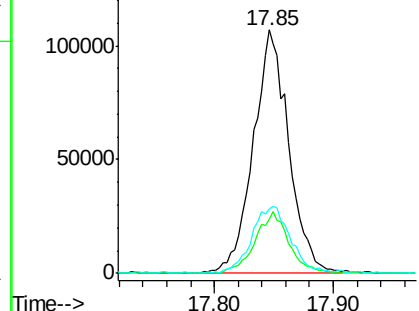
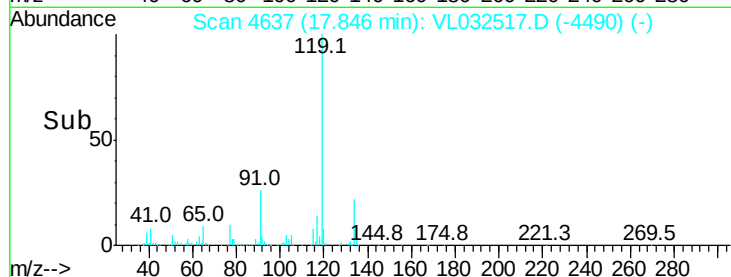
#69
 p-Isopropyltoluene
 Concen: 0.430 ppbv
 RT: 17.85 min Scan# 4637
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.2	20.4	30.6
91	30.8	23.4	35.2

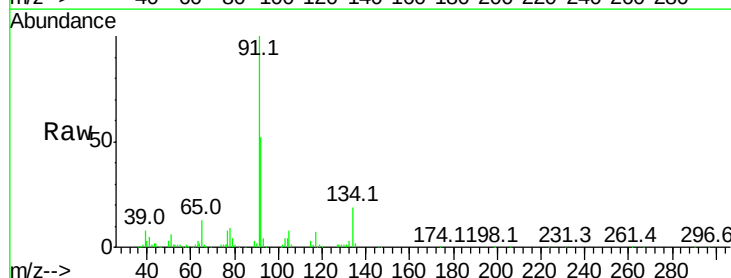


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

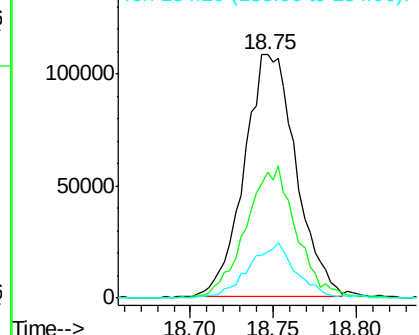
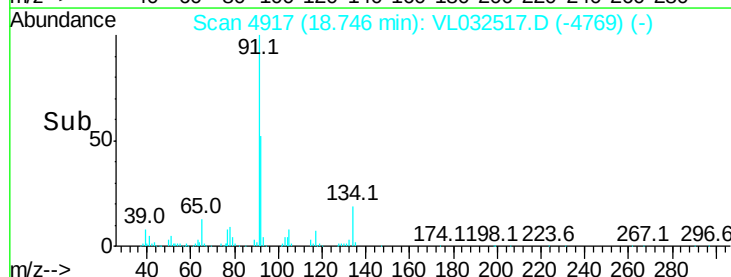


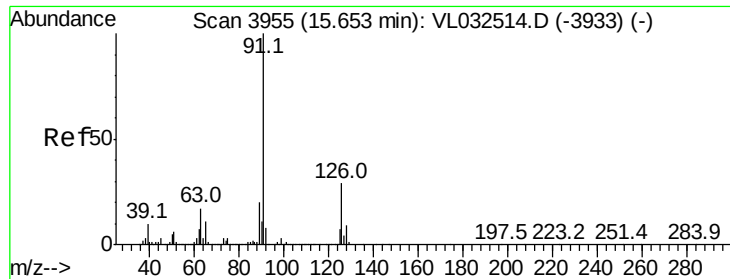
#70
 n-Butylbenzene
 Concen: 0.404 ppbv
 RT: 18.75 min Scan# 4917
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	43.8	65.8
134	21.4	17.4	26.0



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.427 ppbv

RT: 15.65 min Scan# 3954

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

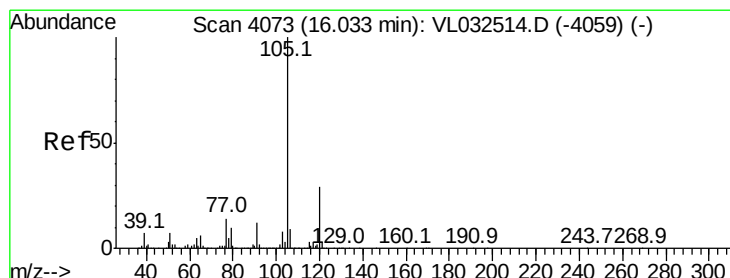
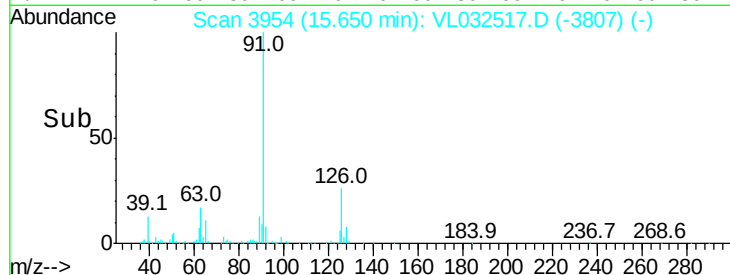
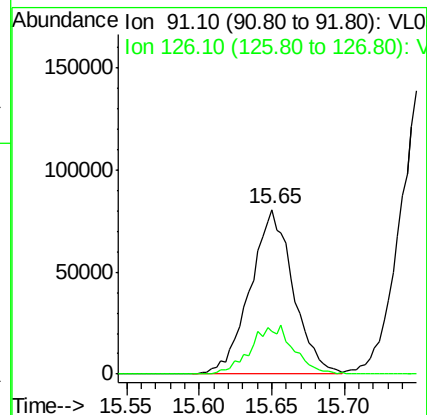
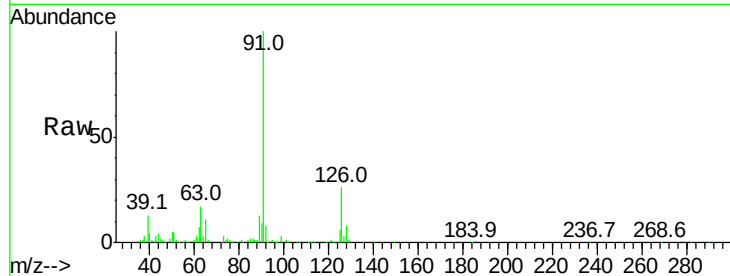
VSTDIC0.5

Tgt Ion: 91 Resp: 166781

Ion Ratio Lower Upper

91 100

126 29.1 11.9 47.7



#72

4-Ethyltoluene

Concen: 0.398 ppbv

RT: 16.03 min Scan# 4073

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion: 105 Resp: 157857

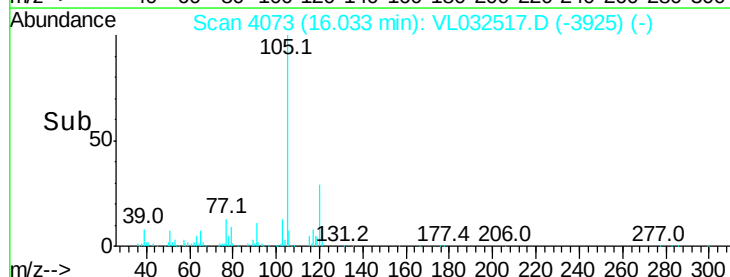
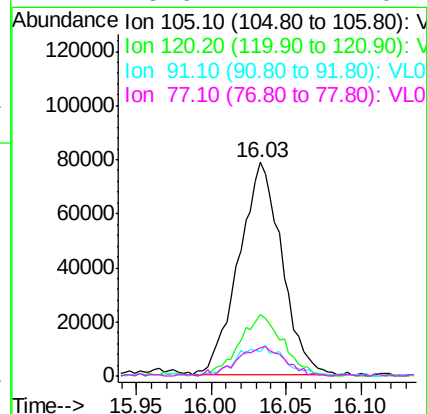
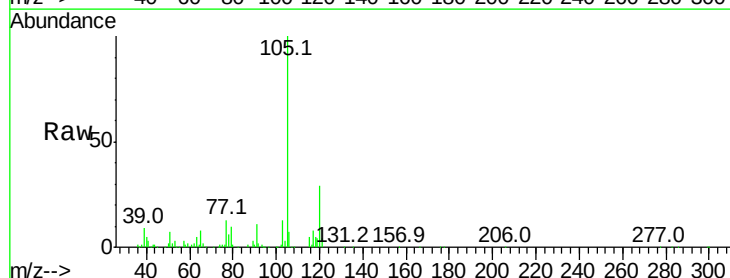
Ion Ratio Lower Upper

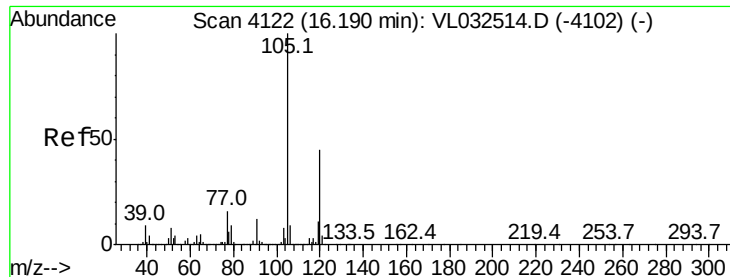
105 100

120 30.0 23.5 35.3

91 16.2 10.2 15.2#

77 15.6 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 0.398 ppbv

RT: 16.19 min Scan# 4121

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

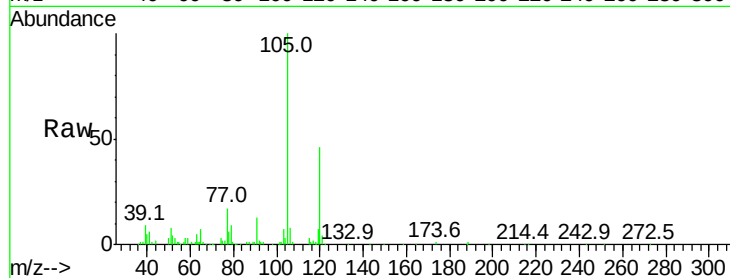
VSTDIC0.5

Tgt Ion:105 Resp: 158460

Ion Ratio Lower Upper

105 100

120 45.9 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.19

80000

60000

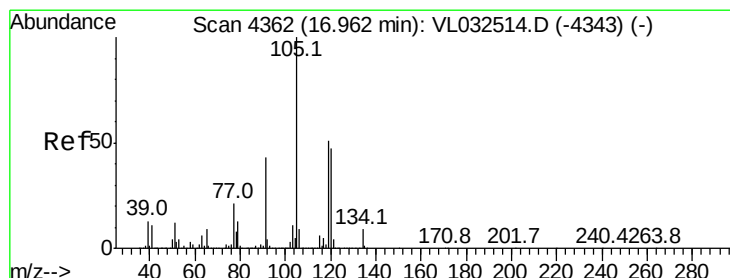
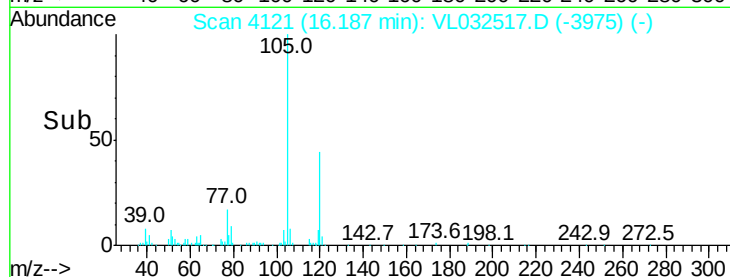
40000

20000

0

Time-->

16.10 16.15 16.20 16.25



#74

1,2,4-Trimethylbenzene

Concen: 0.454 ppbv

RT: 16.96 min Scan# 4361

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Tgt Ion:105 Resp: 197373

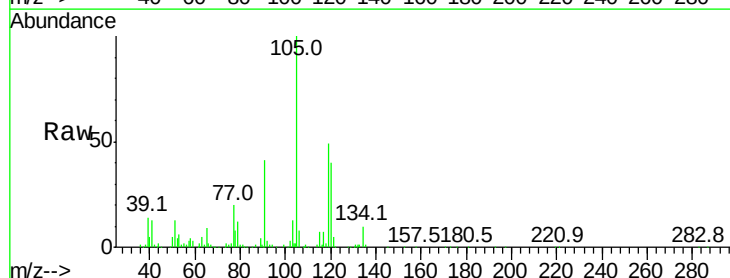
Ion Ratio Lower Upper

105 100

120 39.9 37.8 56.8

91 39.2 41.4 62.0#

77 19.2 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

16.96

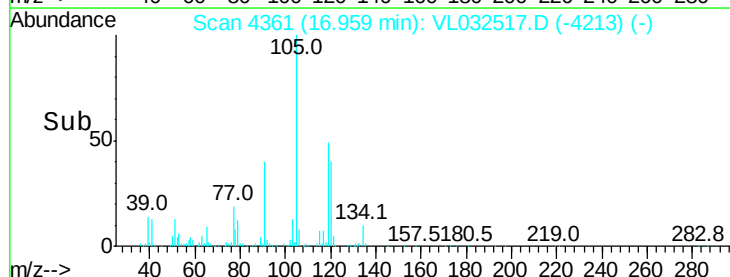
100000

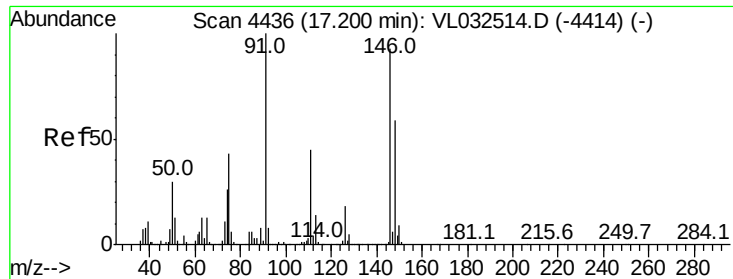
50000

0

Time-->

16.90 16.95 17.00





#75

1,3-Dichlorobenzene

Concen: 0.268 ppbv

RT: 17.19 min Scan# 4433

Delta R.T. -0.03 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

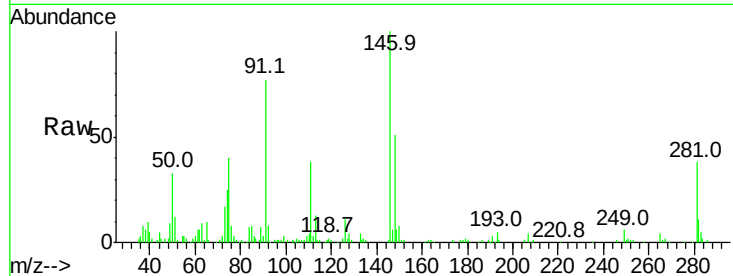
Tgt Ion:146 Resp: 69190

Ion Ratio Lower Upper

146 100

111 0.0 24.5 73.5#

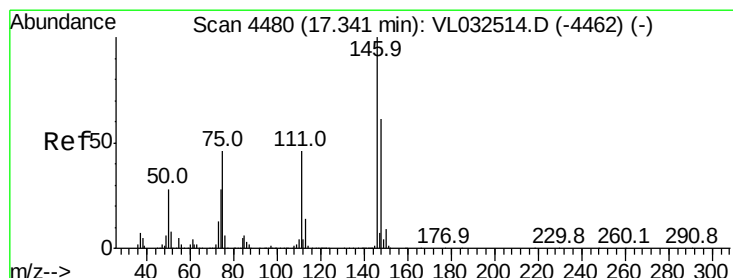
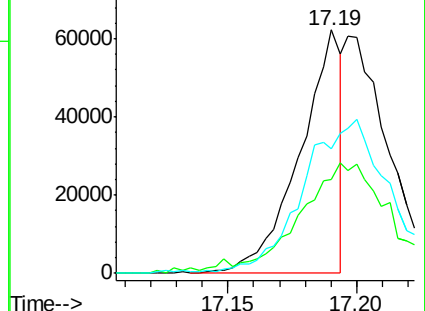
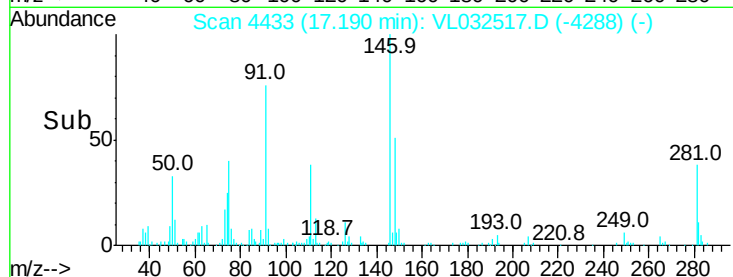
148 0.0 32.0 96.2#



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



#76

1,4-Dichlorobenzene

Concen: 0.479 ppbv

RT: 17.34 min Scan# 4480

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

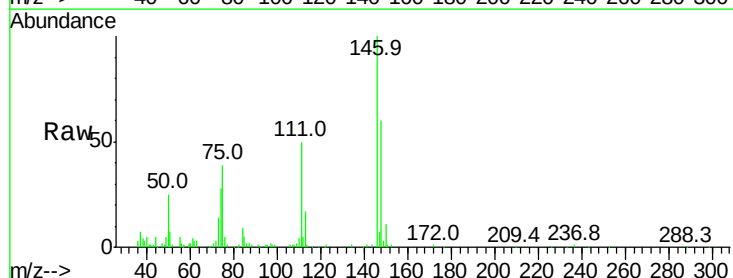
Tgt Ion:146 Resp: 114645

Ion Ratio Lower Upper

146 100

111 47.4 23.4 70.2

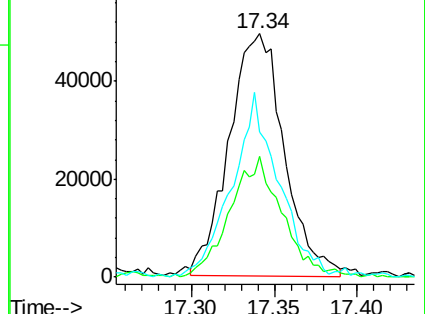
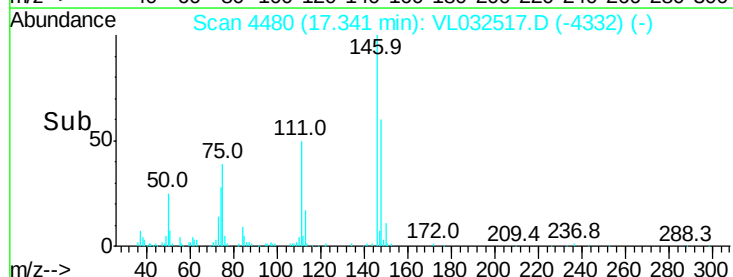
148 66.1 32.0 96.2

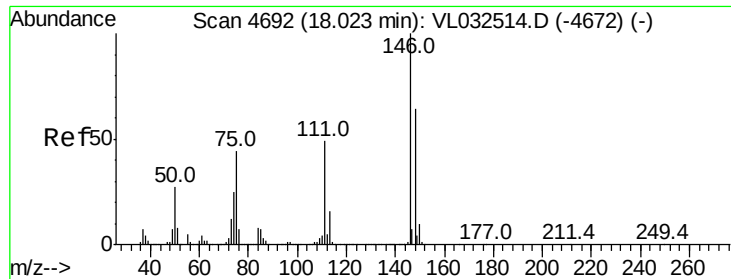


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

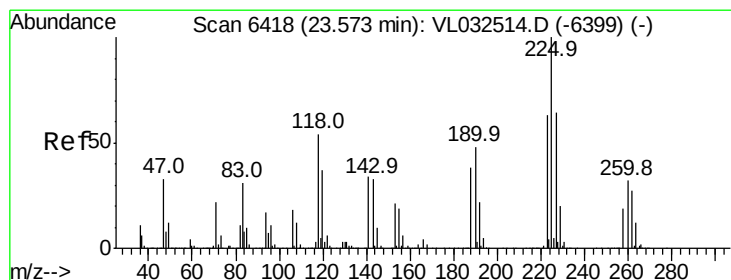
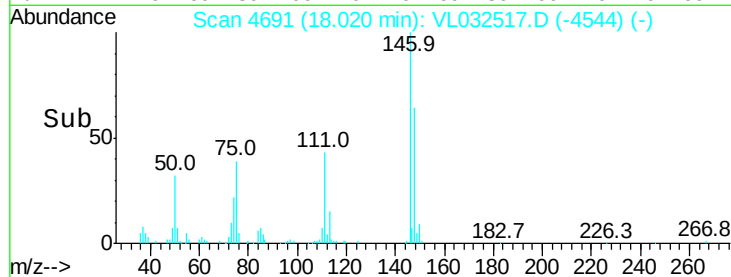
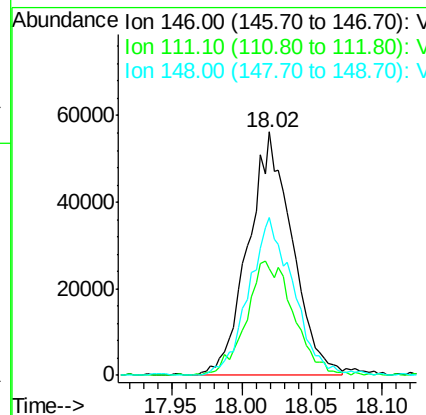
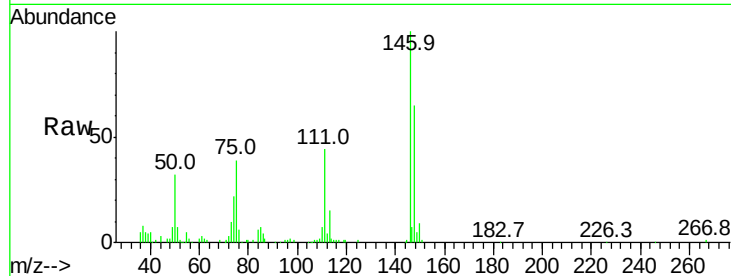




#77
 1,2-Dichlorobenzene
 Concen: 0.492 ppbv
 RT: 18.02 min Scan# 4691
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

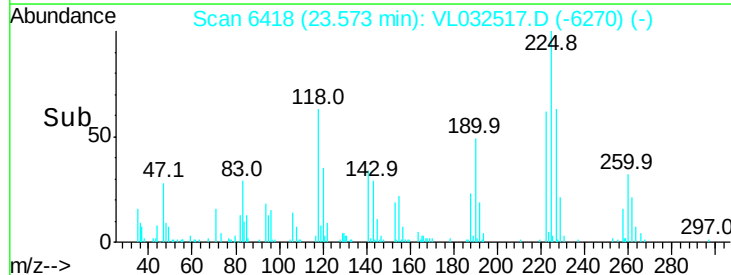
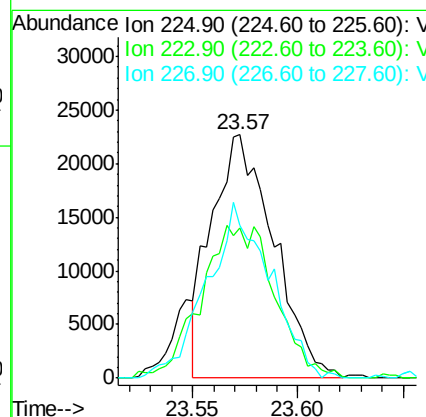
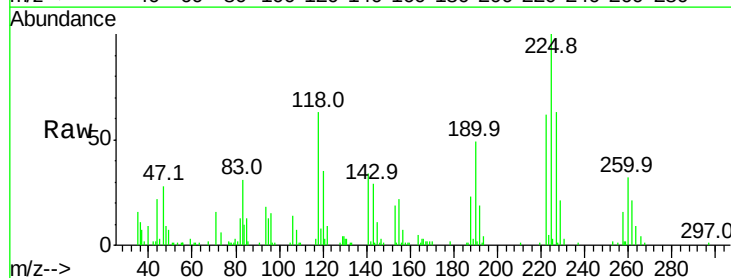
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

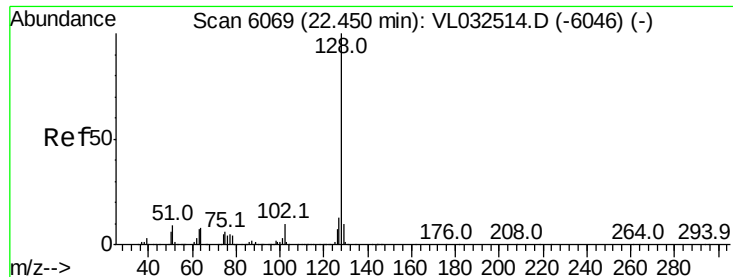
Tgt Ion:146 Resp: 122571
 Ion Ratio Lower Upper
 146 100
 111 50.4 24.9 74.8
 148 66.2 32.0 96.0



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.499 ppbv
 RT: 23.57 min Scan# 6418
 Delta R.T. -0.02 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Tgt Ion:225 Resp: 46418
 Ion Ratio Lower Upper
 225 100
 223 74.6 50.6 76.0
 227 73.8 51.2 76.8





#79

Naphthalene

Concen: 0.123 ppbv

RT: 22.46 min Scan# 6071

Delta R.T. -0.02 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

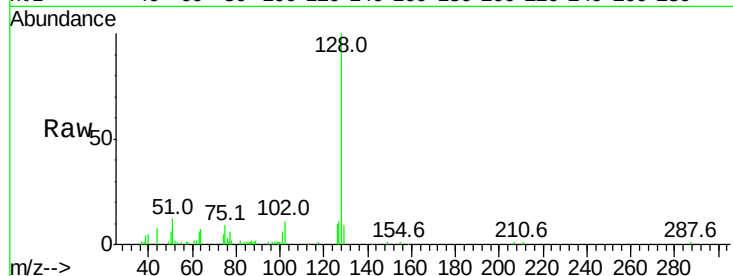
Tgt Ion:128 Resp: 43498

Ion Ratio Lower Upper

128 100

127 11.3 10.2 15.2

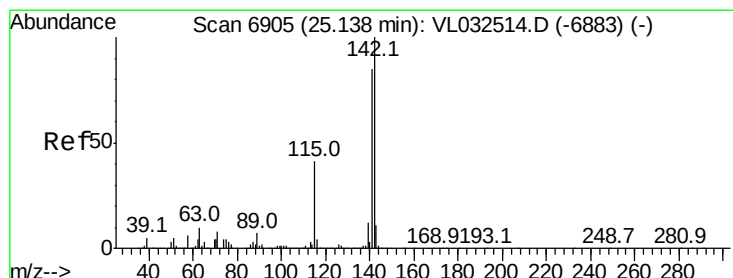
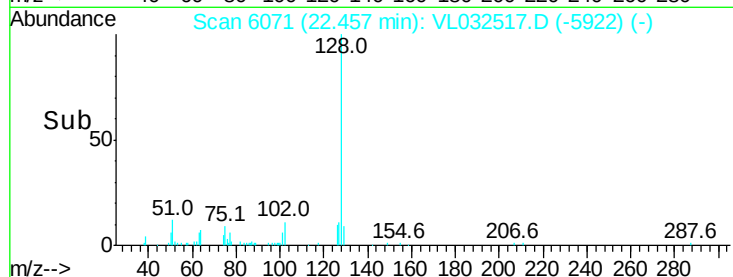
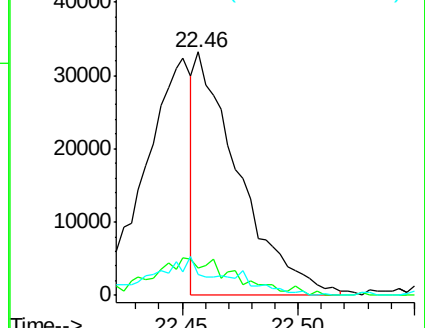
129 8.8 8.5 12.7



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: 0.080 ppbv

RT: 25.15 min Scan# 6910

Delta R.T. 0.00 min

Lab File: VL032517.D

Acq: 24 Sep 2018 18:24

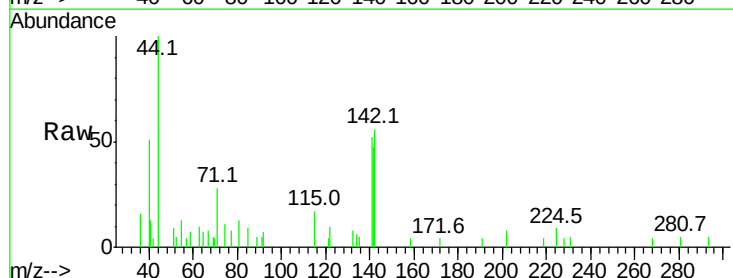
Tgt Ion:142 Resp: 7517

Ion Ratio Lower Upper

142 100

141 88.7 67.0 100.6

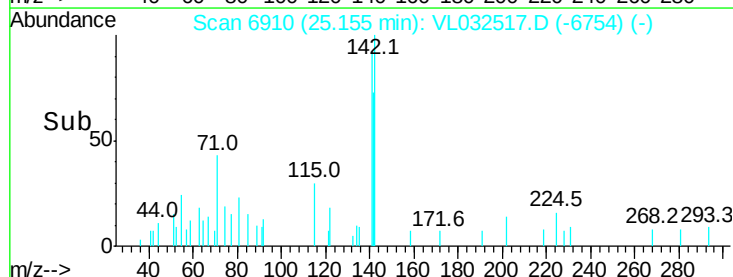
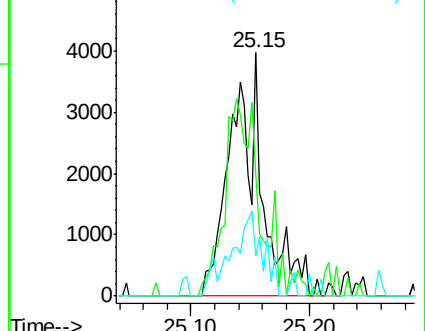
115 33.5 31.3 46.9

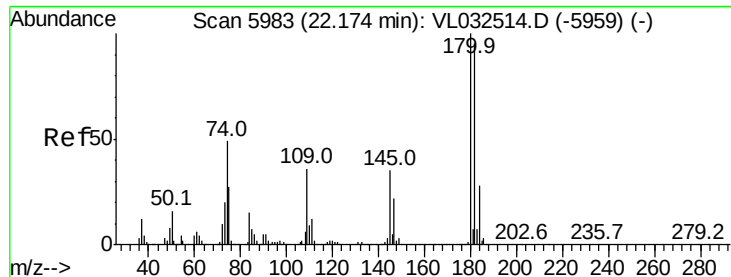


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.155 ppbv
 RT: 22.17 min Scan# 5982
 Delta R.T. -0.03 min
 Lab File: VL032517.D
 Acq: 24 Sep 2018 18:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 27656
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.1 114.1#
 184 0.0 23.8 35.8#

