

Data File : VL032629.D
Acq On : 17 Oct 2018 4:04
Operator : SY/AP
Sample : VSTDIC001
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Quant Time: Oct 17 05:35:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Oct 17 05:31:40 2018
QLast Update : Wed Oct 17 05:31:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1243148	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2795030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2683841	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2085004	10.27	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.09	85	133005	0.848	ppbv	99
3) Chlorodifluoromethane	3.03	51	115437	1.113	ppbv	98
4) Chloromethane	3.18	50	59771	1.046	ppbv	98
5) Vinyl Chloride	3.30	62	60491	1.058	ppbv	99
6) Bromomethane	3.53	94	36778	1.023	ppbv	92
7) Chloroethane	3.62	64	23007	1.025	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	153669	1.096	ppbv	98
9) Propene	3.05	41	38278	0.988	ppbv	96
10) Heptane	8.26	43	133506	0.947	ppbv	93
11) Trichlorofluoromethane	4.02	101	173827	1.136	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.57	101	125861	1.106	ppbv	98
13) Ethanol	3.68	45	8923	0.823	ppbv	64
14) Bromoethene	3.81	108	41852	0.984	ppbv	95
15) Acetone	3.93	43	118037	1.082	ppbv	99
16) 1,3-Butadiene	3.38	39	39230	0.901	ppbv	94
17) tert-Butyl alcohol	4.37	59	2607	0.292	ppbv #	100
18) 1,1-Dichloroethene	4.37	96	53103	1.046	ppbv	93
19) Isopropyl Alcohol	4.05	45	87162	1.232	ppbv #	93
20) Methylene Chloride	4.43	84	51682	1.033	ppbv	95
21) Allyl Chloride	4.50	41	81558	0.983	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	61873	1.049	ppbv	93
23) Vinyl Acetate	5.17	43	160944	0.937	ppbv #	96
24) 1,1-Dichloroethane	5.11	63	167727	1.104	ppbv	97
25) Ethyl Acetate	5.79	43	265883	1.049	ppbv	100
26) Hexane	5.80	57	58485	0.505	ppbv #	1
27) Carbon Disulfide	4.64	76	153637	1.109	ppbv #	88
28) Methyl tert-Butyl Ether	5.14	73	140560	1.027	ppbv	98
29) Chloroform	5.86	83	220015	1.111	ppbv	94
30) Cyclohexane	7.26	84	79480	0.874	ppbv	94
31) cis-1,2-Dichloroethene	5.65	61	103503	0.942	ppbv	96
32) 1,1,1-Trichloroethane	6.64	97	203310	1.062	ppbv	98
34) 2-Butanone	5.35	43	158119	1.097	ppbv	98
35) Carbon Tetrachloride	7.15	117	206920	1.030	ppbv	97
36) Benzene	7.02	78	221848	1.003	ppbv	99
37) 1,2-Dichloroethane	6.43	62	158539	1.077	ppbv	99
38) Trichloroethene	7.98	130	82106	1.009	ppbv	97
39) 1,2-Dichloropropane	7.75	63	89912	0.994	ppbv	93
41) Tetrahydrofuran	6.18	42	74575	0.927	ppbv	99
42) Bromodichloromethane	7.93	83	216030	1.048	ppbv	97
43) Methyl Methacrylate	8.16	69	78591	0.915	ppbv	99
44) 2,2,4-Trimethylpentane	8.01	57	403510	1.025	ppbv	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.43	75	93659	0.866	ppbv	93
46) cis-1,3-Dichloropropene	8.86	75	114659	0.930	ppbv	95
47) 1,1,2-Trichloroethane	9.63	97	112252	1.046	ppbv	93
48) Dibromochloromethane	10.47	129	184893	1.036	ppbv	96
49) Bromoform	13.22	173	135831	0.997	ppbv	98
50) 4-Methyl-2-Pentanone	8.90	43	220857	0.997	ppbv	95
51) 2-Hexanone	10.31	43	153559	0.887	ppbv #	94
52) Tetrachloroethene	11.39	164	39720	0.558	ppbv	96
53) Toluene	9.97	91	226287	0.897	ppbv	97
54) 1,2-Dibromoethane	10.78	107	154253	1.026	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.30	131	133490	1.100	ppbv #	1
57) Chlorobenzene	12.32	112	161535	0.794	ppbv	87
58) Ethyl Benzene	12.89	91	293260	0.993	ppbv	100
59) m/p-Xylene	13.17	91	258224	0.964	ppbv #	23
60) o-Xylene	13.87	91	129926	0.492	ppbv #	23
61) Styrene	13.70	104	143111	0.882	ppbv	96
62) Isopropylbenzene	14.85	105	405511	1.077	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.85	83	252367	1.097	ppbv	99
64) n-propylbenzene	15.75	120	101569	1.070	ppbv	88
65) tert-Butylbenzene	16.93	119	346067	1.085	ppbv	96
66) Benzyl Chloride	17.17	91	180456	1.026	ppbv	99
67) sec-Butylbenzene	17.48	105	526657	1.107	ppbv	98
69) p-Isopropyltoluene	17.83	119	389440	1.067	ppbv	98
70) n-Butylbenzene	18.74	91	427775	1.076	ppbv	99
71) 2-Chlorotoluene	15.64	91	284795	1.029	ppbv	98
72) 4-Ethyltoluene	16.02	105	292185	1.024	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.18	105	304805	1.074	ppbv	96
74) 1,2,4-Trimethylbenzene	16.94	105	350639	1.120	ppbv #	92
75) 1,3-Dichlorobenzene	17.18	146	208519	1.146	ppbv	97
76) 1,4-Dichlorobenzene	17.33	146	174763	1.064	ppbv	97
77) 1,2-Dichlorobenzene	18.00	146	129047	0.755	ppbv #	38
78) Hexachloro-1,3-Butadiene	23.56	225	63617	0.768	ppbv #	43
79) Naphthalene	22.44	128	197348	0.935	ppbv #	95
80) Naphthalene,2-methyl-	25.14	142	22802	0.555	ppbv	98
81) 1,2,4-Trichlorobenzene	22.16	180	61277	0.587	ppbv #	34

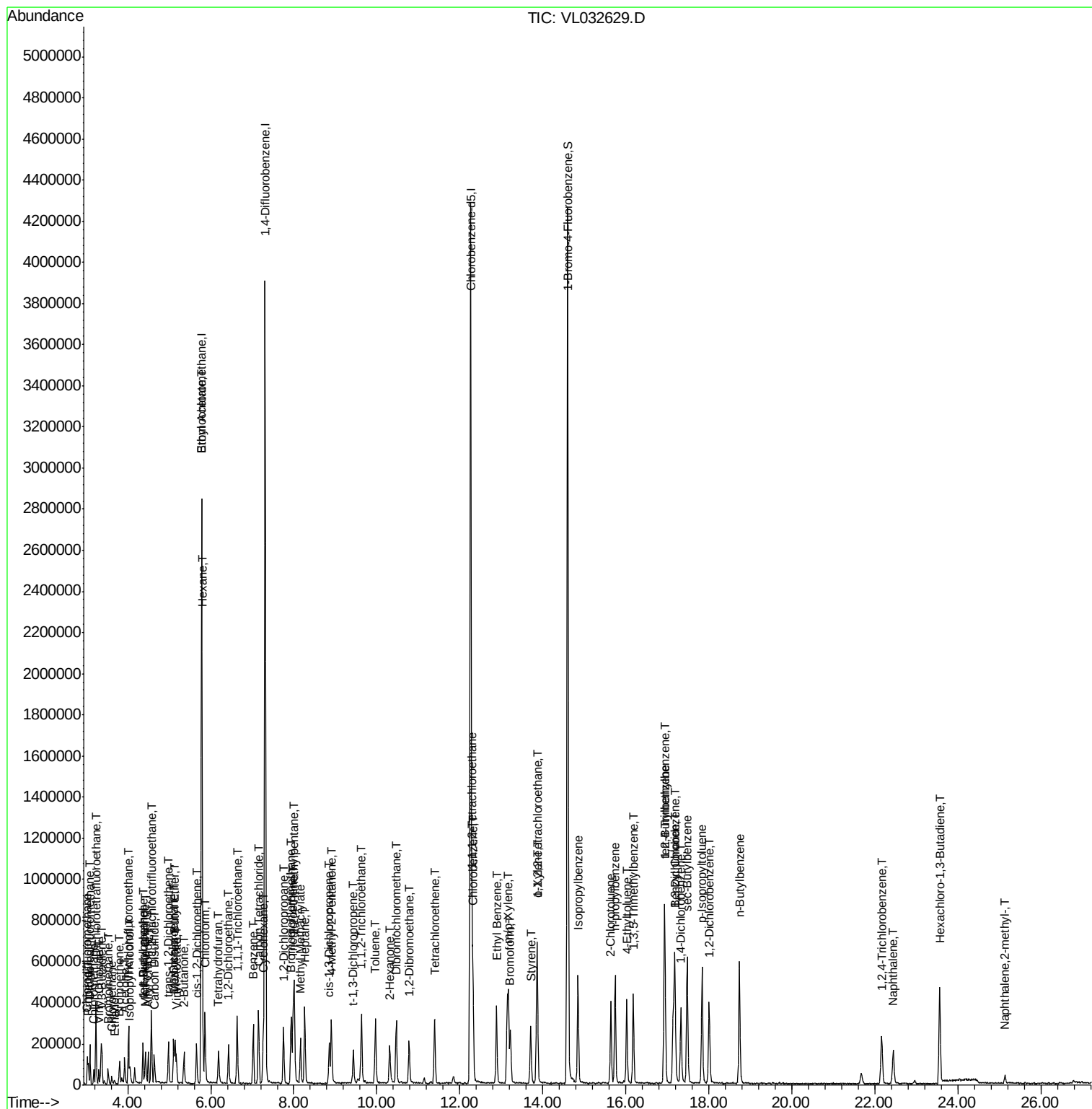
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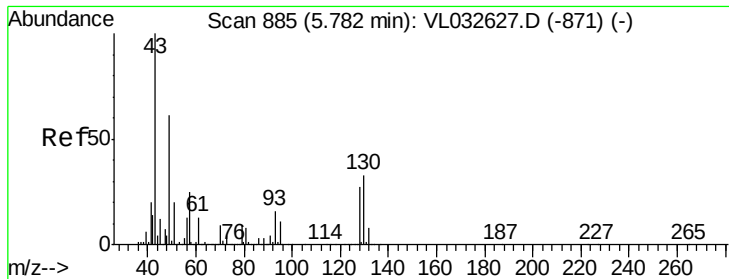
Data File : VL032629.D

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Acq On       : 17 Oct 2018   4:04
Operator     : SY/AP
Sample       : VSTDICC001
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ALS Vial     : 1      Sample Multipl
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ClientSampleId :
VSTDICC001

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

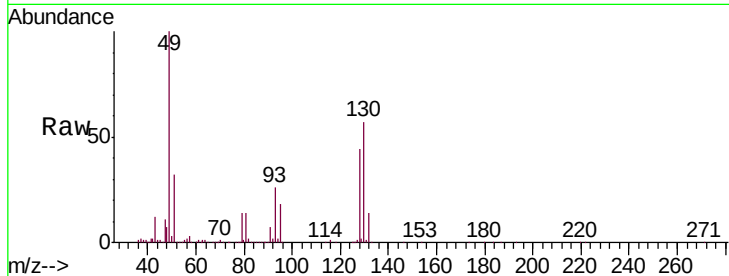
Tgt Ion: 49 Resp: 1243148

Ion Ratio Lower Upper

49 100

128 45.9 22.3 66.8

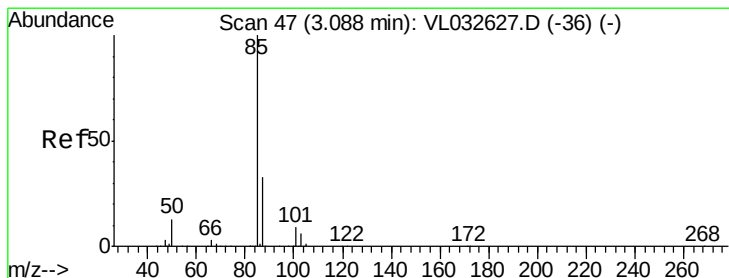
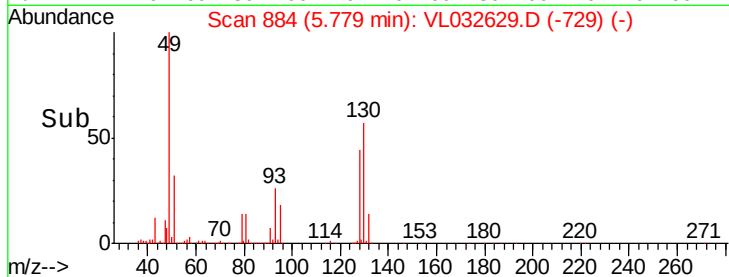
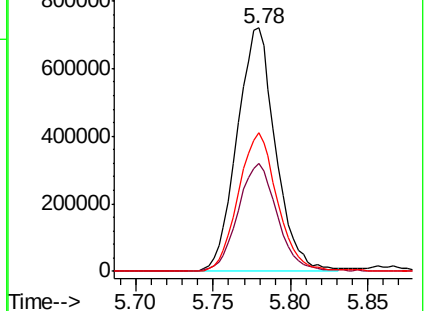
130 58.2 28.4 85.3



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: 0.848 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032629.D

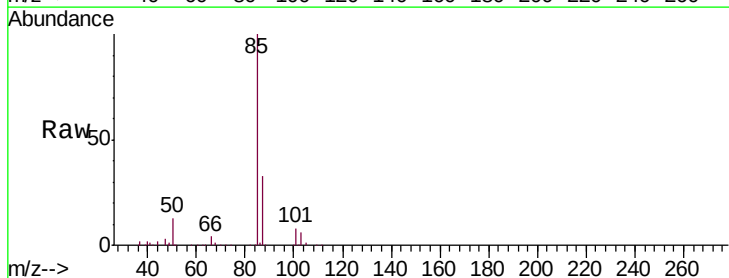
Acq: 17 Oct 2018 4:04

Tgt Ion: 85 Resp: 133005

Ion Ratio Lower Upper

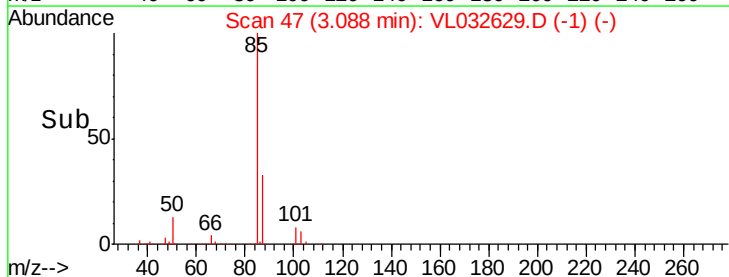
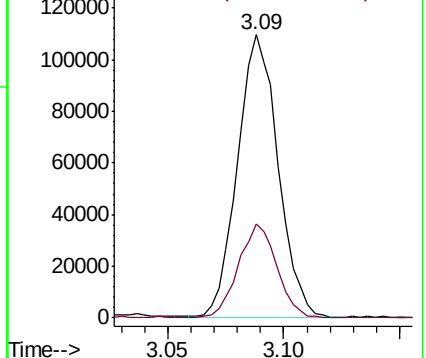
85 100

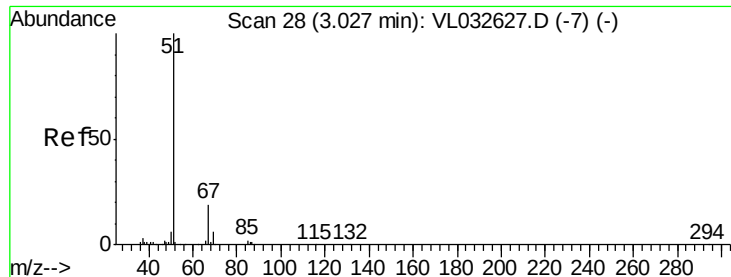
87 33.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

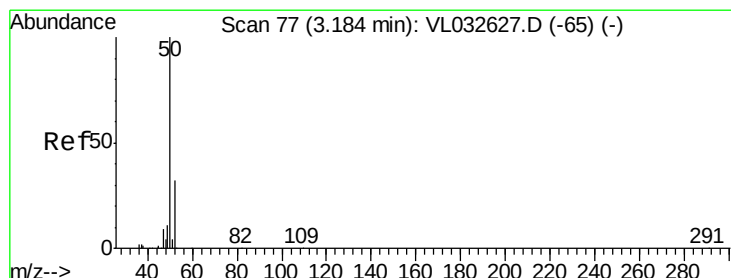
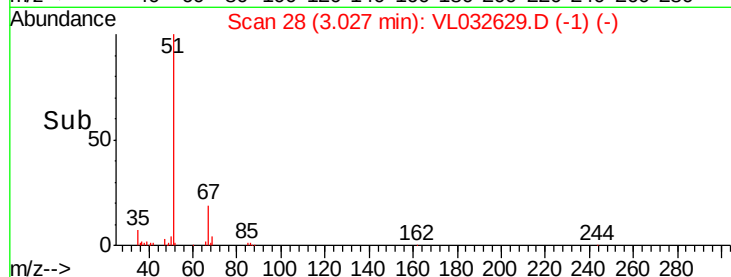
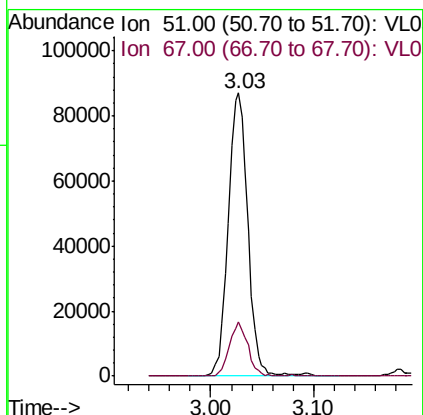
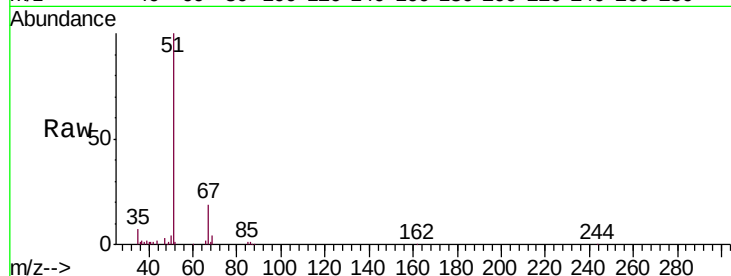




#3
Chlorodifluoromethane
Concen: 1.113 ppbv
RT: 3.03 min Scan# 28
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

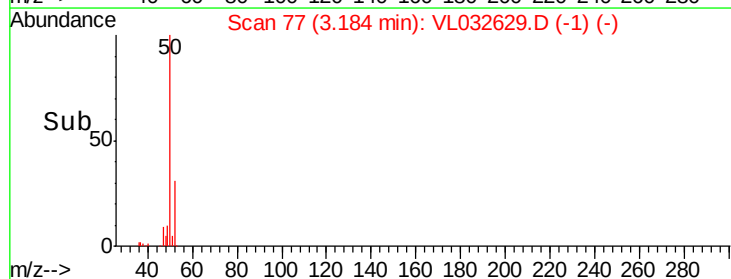
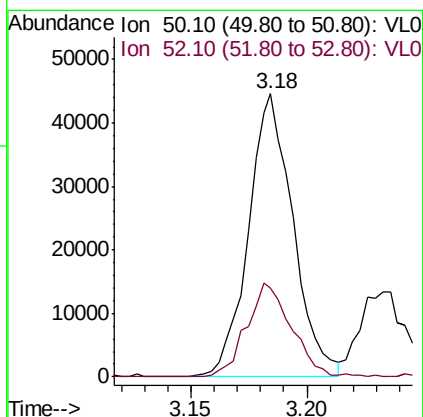
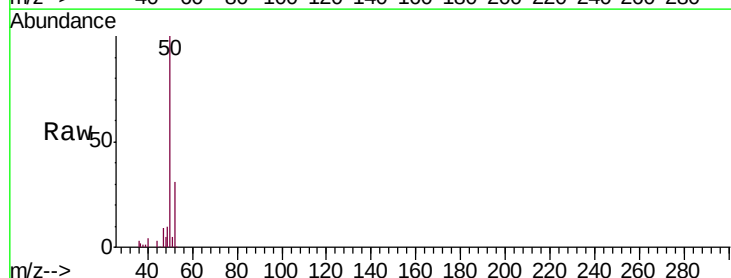
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

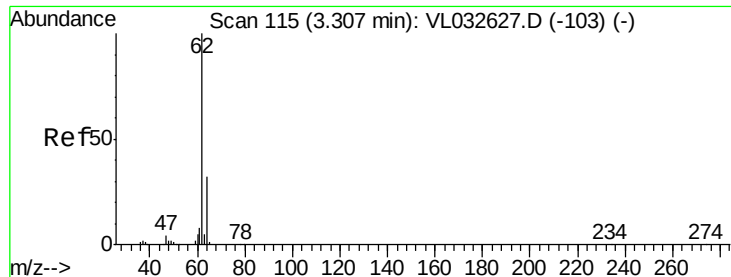
Tgt Ion: 51 Resp: 115437
Ion Ratio Lower Upper
51 100
67 18.1 15.2 22.8



#4
Chloromethane
Concen: 1.046 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 50 Resp: 59771
Ion Ratio Lower Upper
50 100
52 31.5 25.9 38.9





#5

Vinyl Chloride

Concen: 1.058 ppbv

RT: 3.30 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

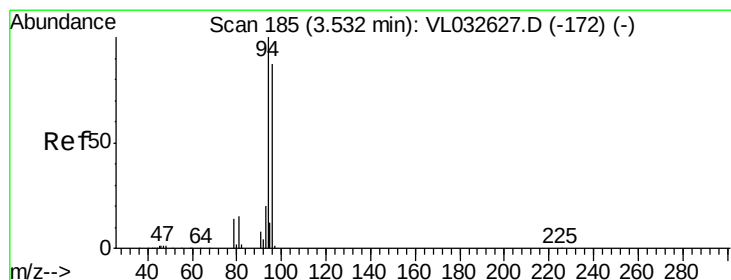
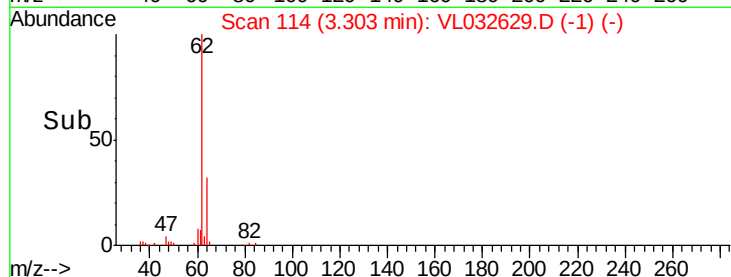
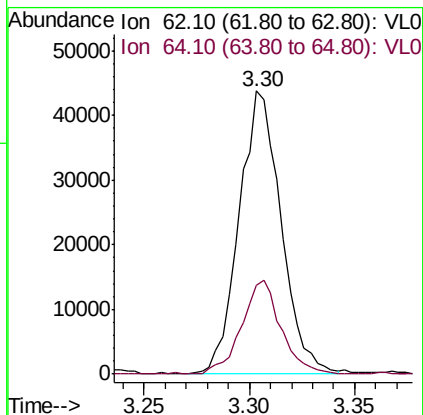
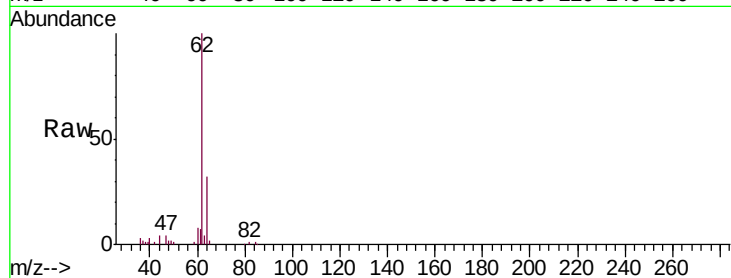
VSTDIC001

Tgt Ion: 62 Resp: 60491

Ion Ratio Lower Upper

62 100

64 31.5 25.5 38.3



#6

Bromomethane

Concen: 1.023 ppbv

RT: 3.53 min Scan# 184

Delta R.T. -0.00 min

Lab File: VL032629.D

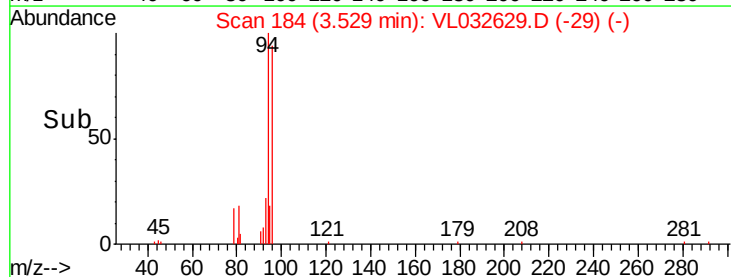
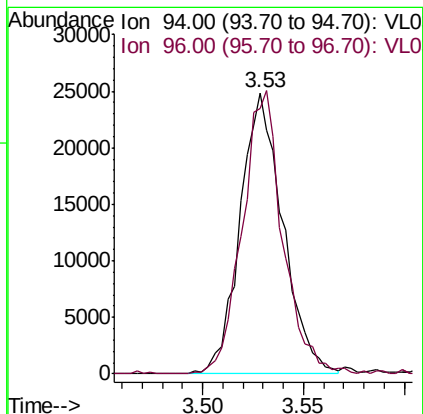
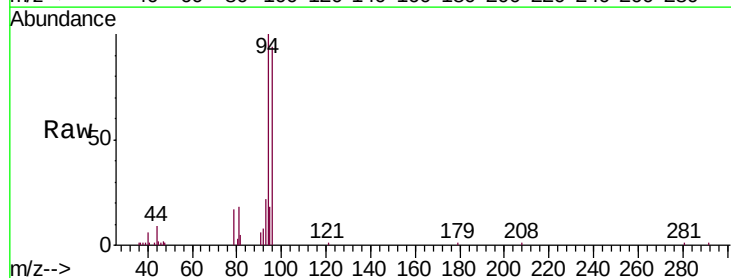
Acq: 17 Oct 2018 4:04

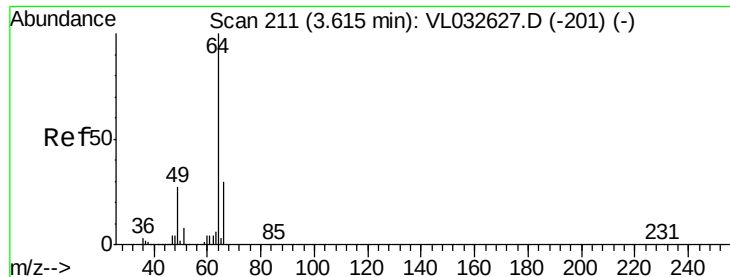
Tgt Ion: 94 Resp: 36778

Ion Ratio Lower Upper

94 100

96 94.3 69.8 104.8





#7

Chloroethane

Concen: 1.025 ppbv

RT: 3.62 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

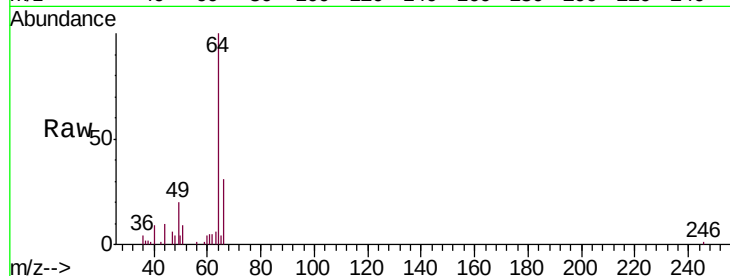
VSTDIC001

Tgt Ion: 64 Resp: 23007

Ion Ratio Lower Upper

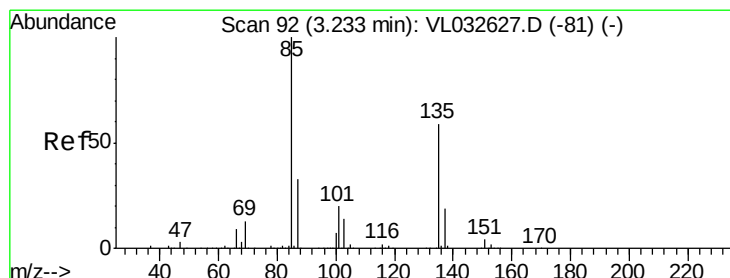
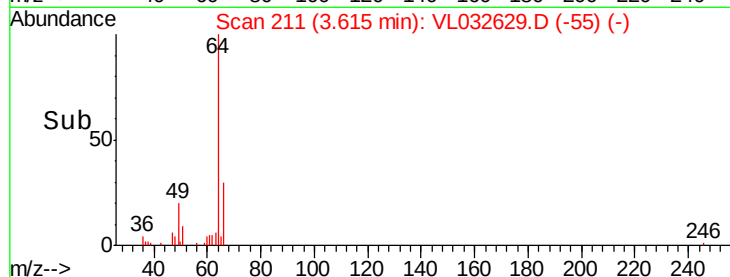
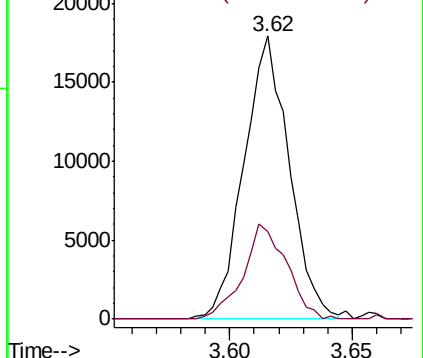
64 100

66 30.9 24.4 36.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.096 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032629.D

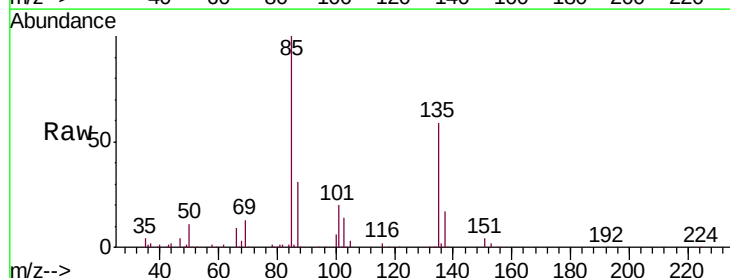
Acq: 17 Oct 2018 4:04

Tgt Ion: 85 Resp: 153669

Ion Ratio Lower Upper

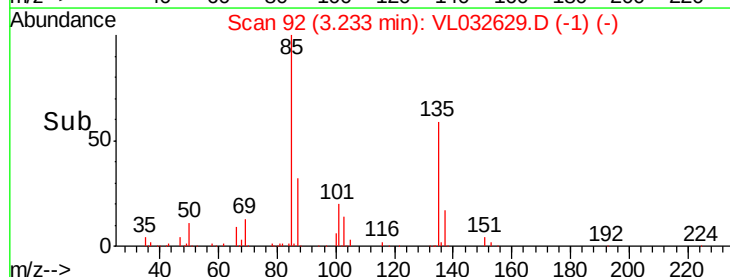
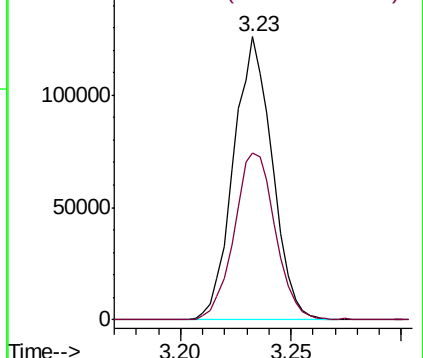
85 100

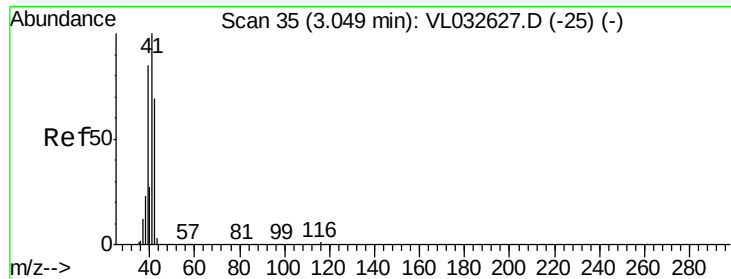
135 62.5 49.0 73.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.988 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

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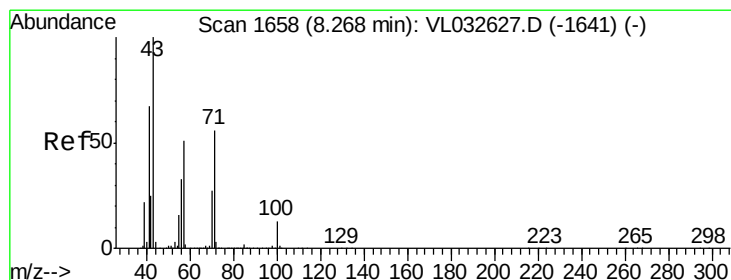
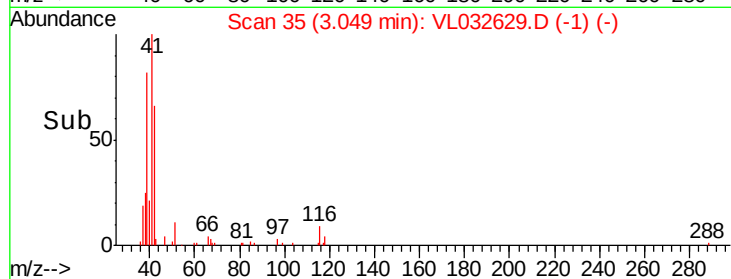
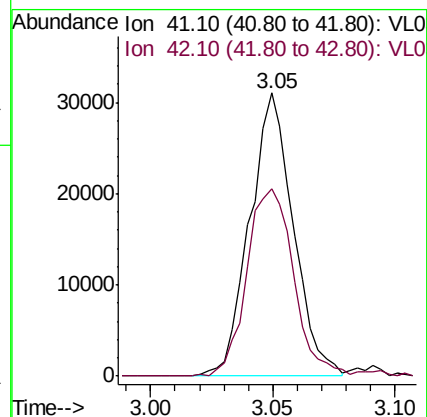
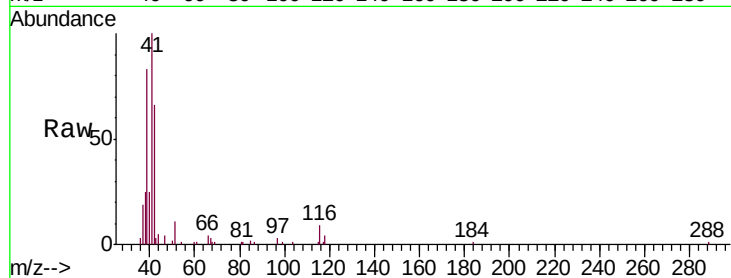
VSTDIC001

Tgt Ion: 41 Resp: 38278

Ion Ratio Lower Upper

41 100

42 72.4 55.4 83.0



#10

Heptane

Concen: 0.947 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL032629.D

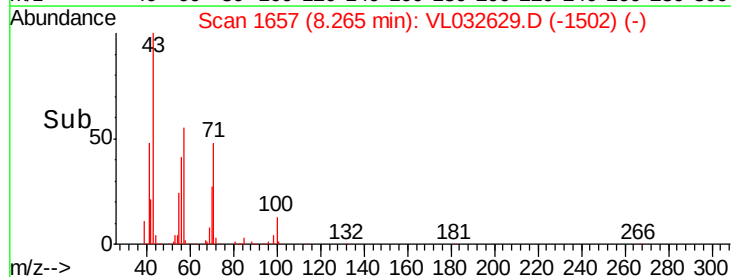
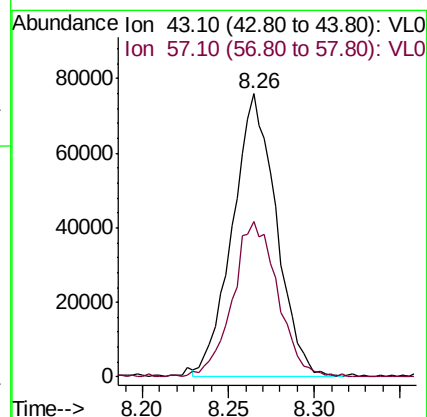
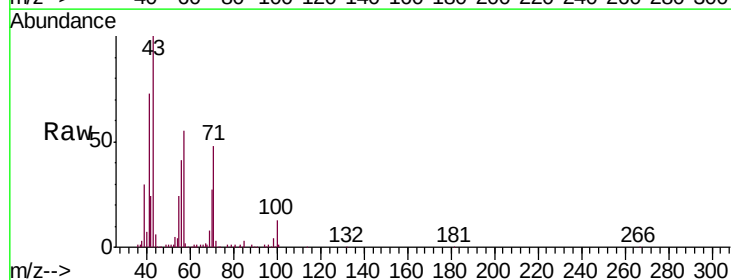
Acq: 17 Oct 2018 4:04

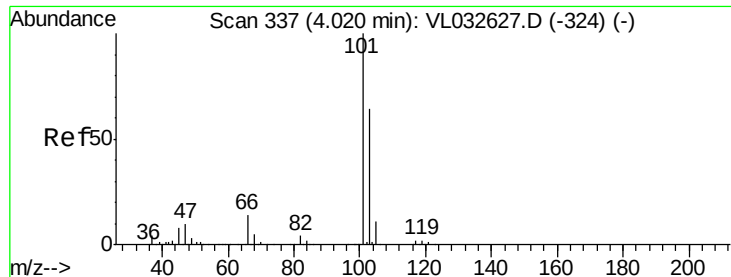
Tgt Ion: 43 Resp: 133506

Ion Ratio Lower Upper

43 100

57 57.1 41.5 62.3





#11

Trichlorofluoromethane

Concen: 1.136 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

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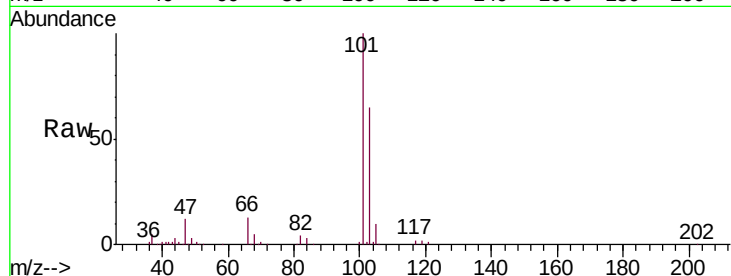
VSTDIC001

Tgt Ion:101 Resp: 173827

Ion Ratio Lower Upper

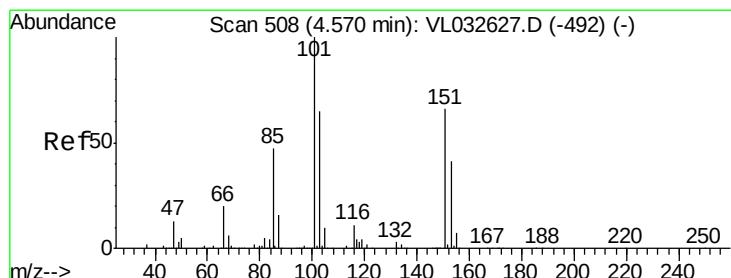
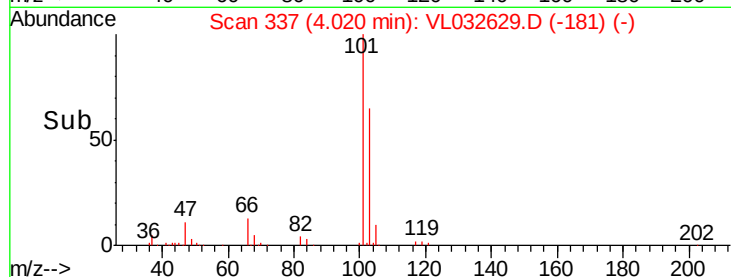
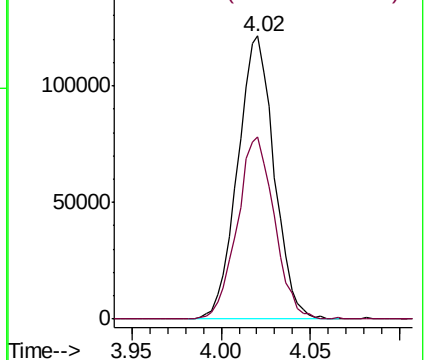
101 100

103 64.6 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.106 ppbv

RT: 4.57 min Scan# 507

Delta R.T. -0.00 min

Lab File: VL032629.D

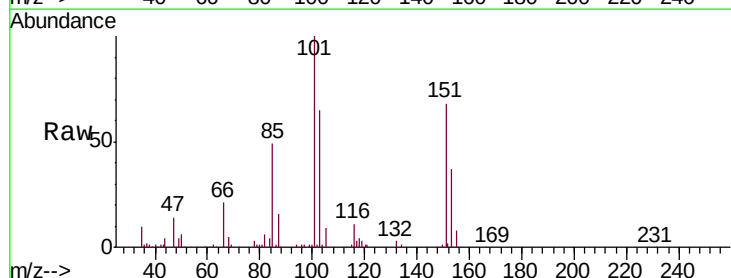
Acq: 17 Oct 2018 4:04

Tgt Ion:101 Resp: 125861

Ion Ratio Lower Upper

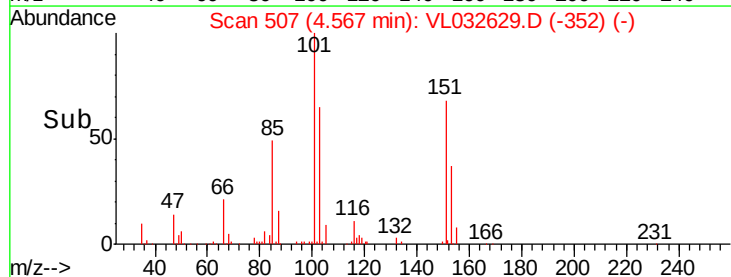
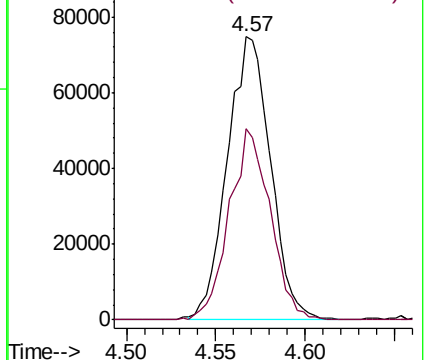
101 100

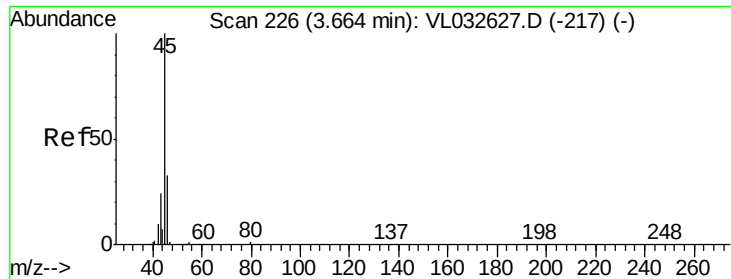
151 63.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.823 ppbv

RT: 3.68 min Scan# 230

Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

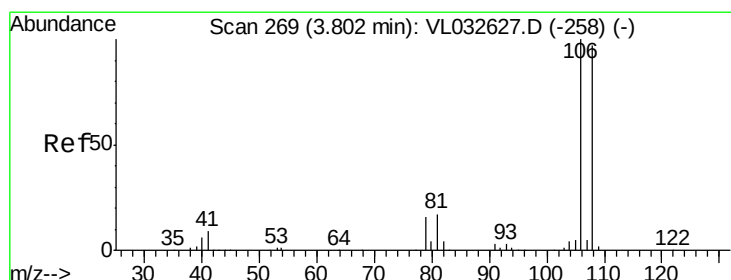
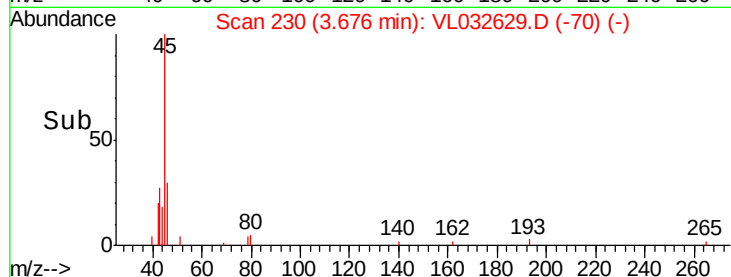
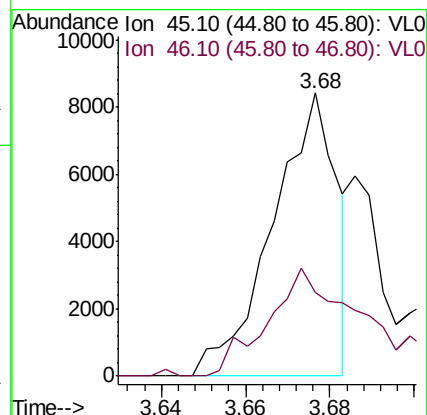
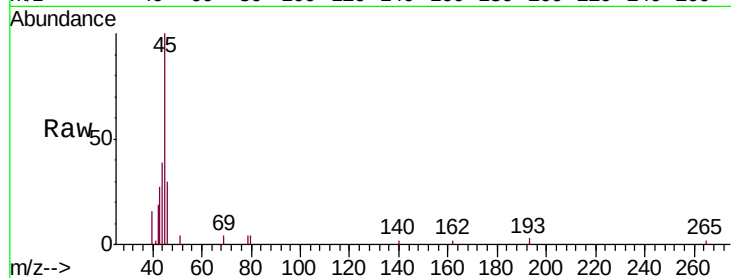
VSTDIC001

Tgt Ion: 45 Resp: 8923

Ion Ratio Lower Upper

45 100

46 60.7 15.4 61.8



#14

Bromoethene

Concen: 0.984 ppbv

RT: 3.81 min Scan# 270

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

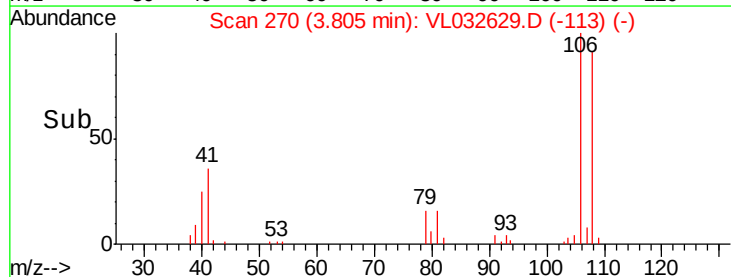
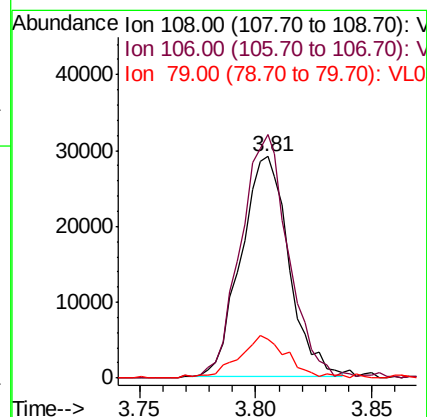
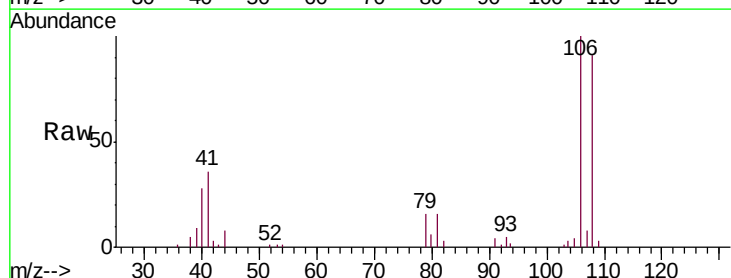
Tgt Ion: 108 Resp: 41852

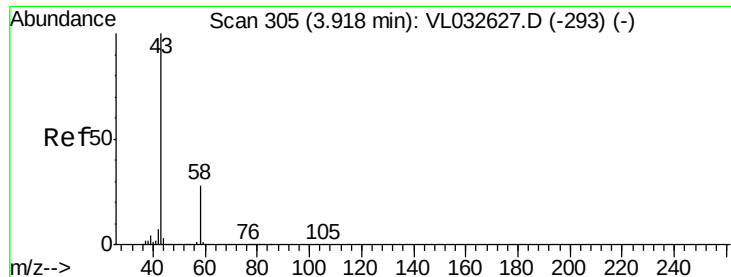
Ion Ratio Lower Upper

108 100

106 111.6 85.0 127.4

79 19.9 13.7 20.5

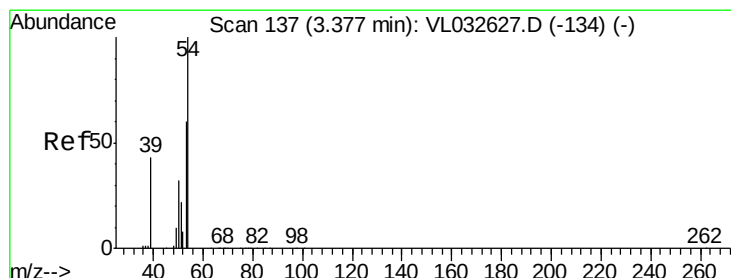
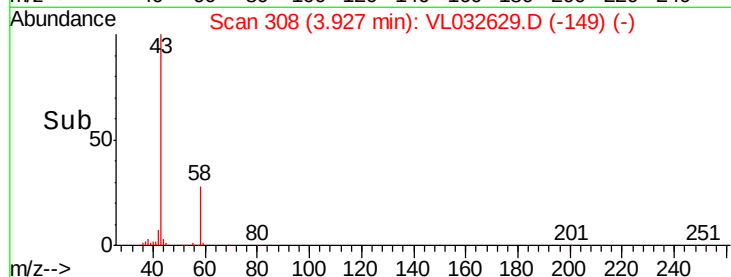
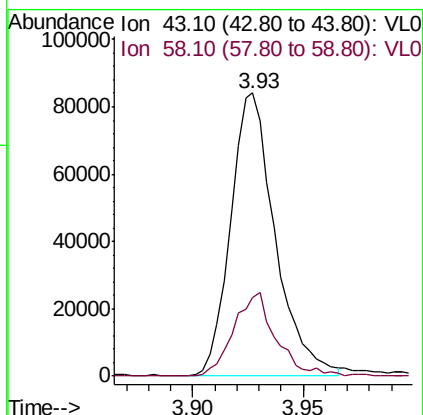
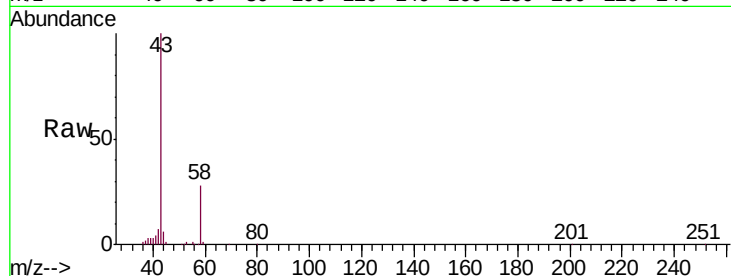




#15
Acetone
Concen: 1.082 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

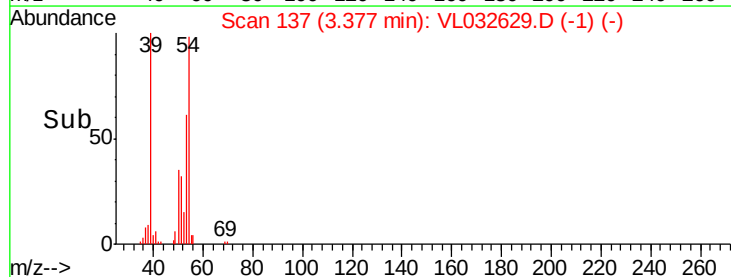
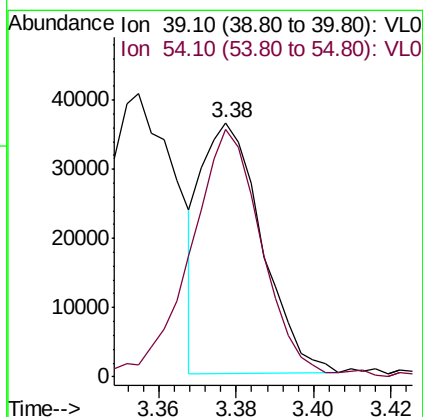
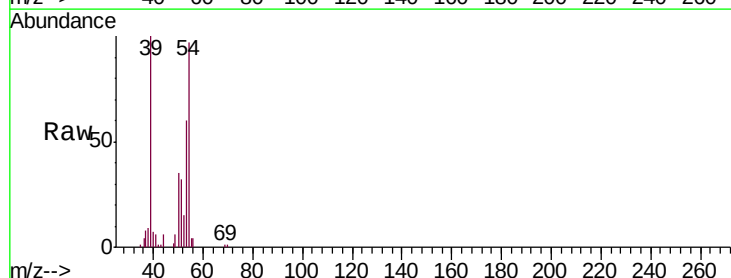
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

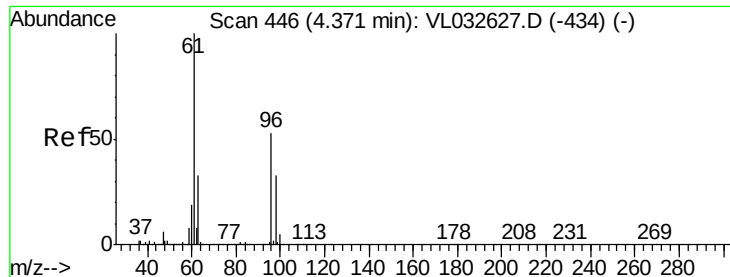
Tgt Ion: 43 Resp: 118037
Ion Ratio Lower Upper
43 100
58 28.2 22.1 33.1



#16
1,3-Butadiene
Concen: 0.901 ppbv
RT: 3.38 min Scan# 137
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 39 Resp: 39230
Ion Ratio Lower Upper
39 100
54 120.0 90.4 135.6

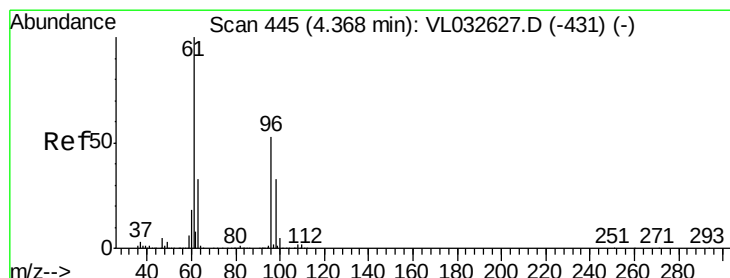
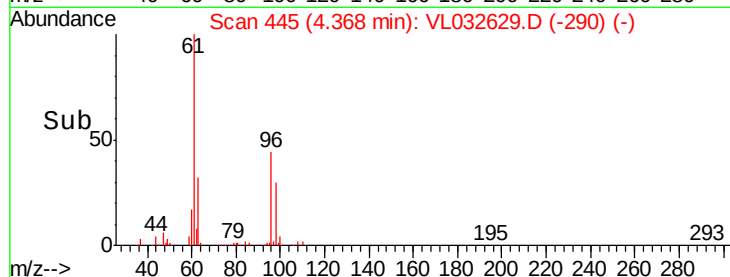
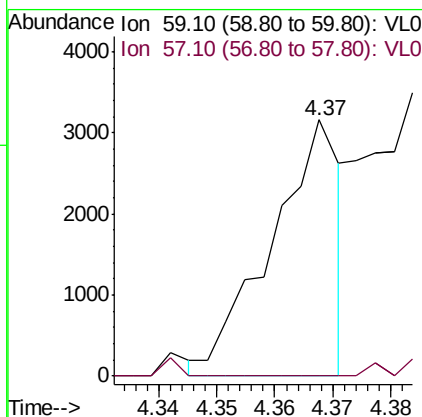
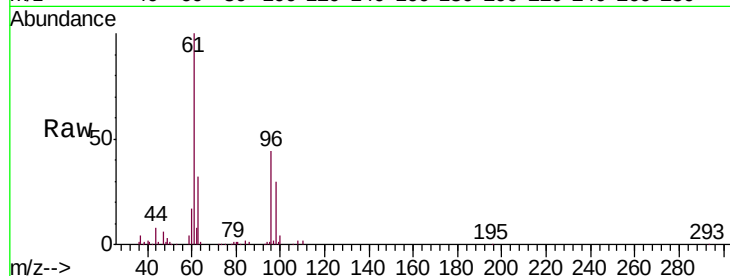




#17
 tert-Butyl alcohol
 Concen: 0.292 ppbv
 RT: 4.37 min Scan# 445
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

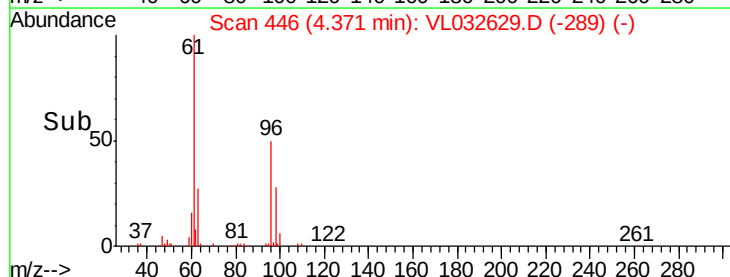
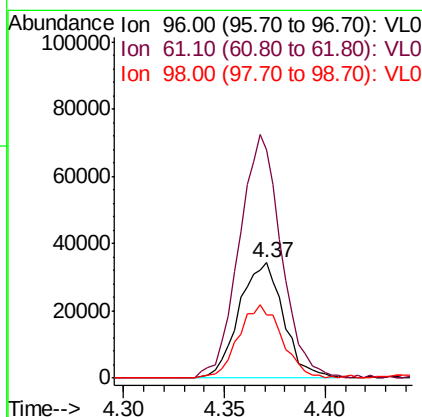
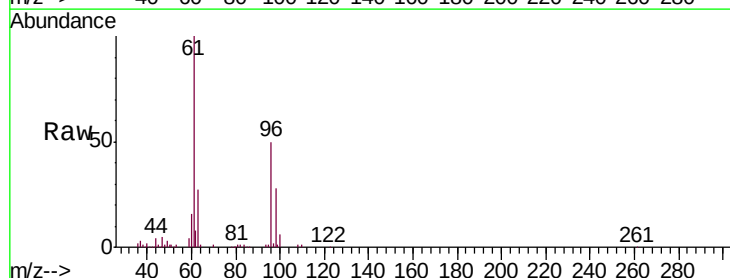
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

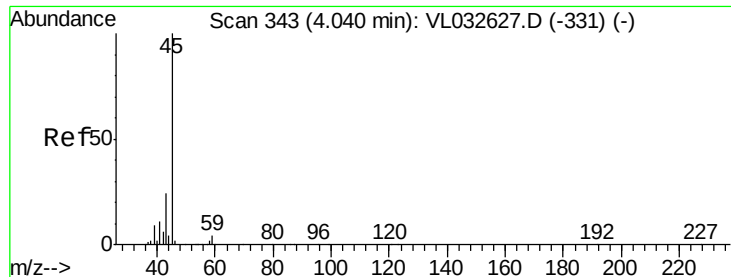
Tgt Ion: 59 Resp: 2607
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0



#18
 1,1-Dichloroethene
 Concen: 1.046 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 96 Resp: 53103
 Ion Ratio Lower Upper
 96 100
 61 198.0 151.6 227.4
 98 54.6 50.6 75.8





#19

Isopropyl Alcohol

Concen: 1.232 ppbv

RT: 4.05 min Scan# 346

Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

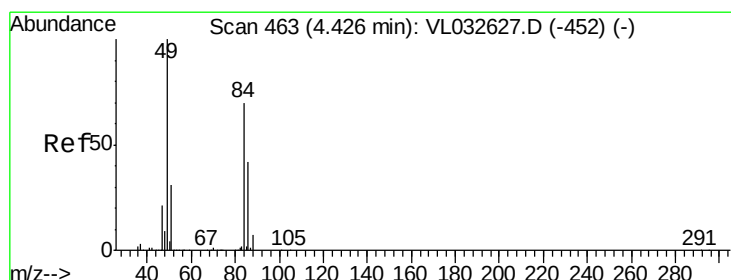
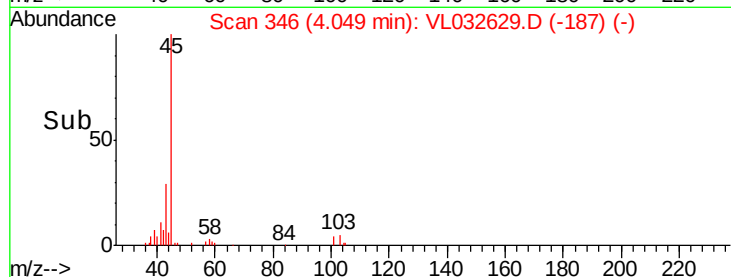
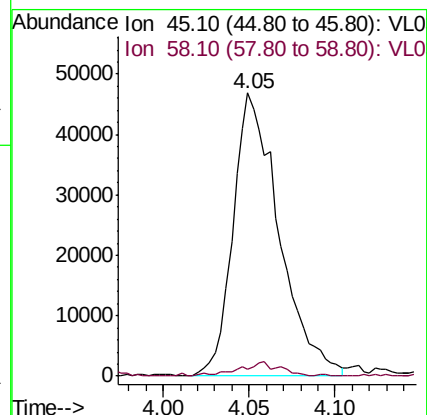
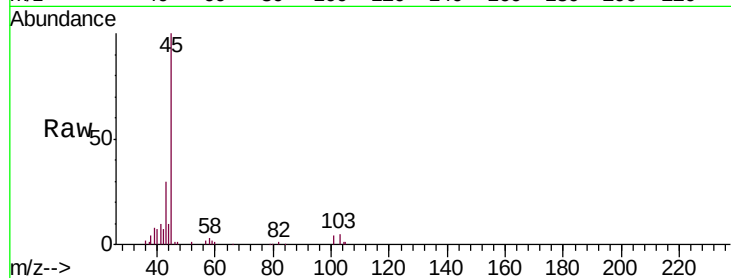
VSTDIC001

Tgt Ion: 45 Resp: 87162

Ion Ratio Lower Upper

45 100

58 4.8 2.0 3.0#



#20

Methylene Chloride

Concen: 1.033 ppbv

RT: 4.43 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion: 84 Resp: 51682

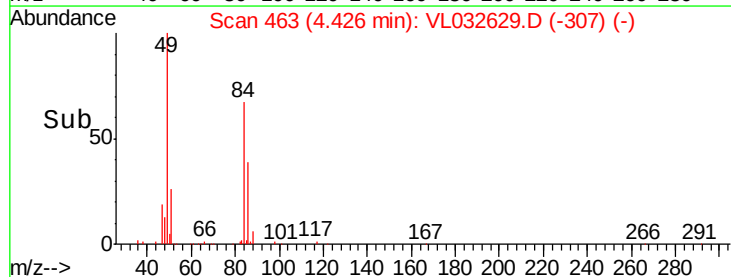
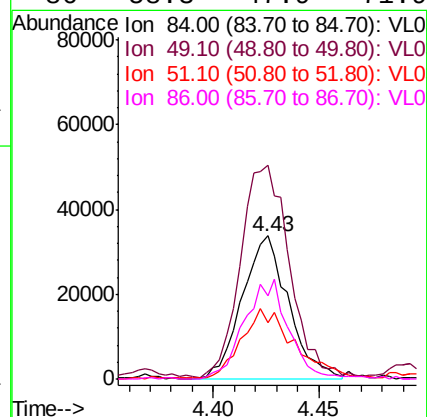
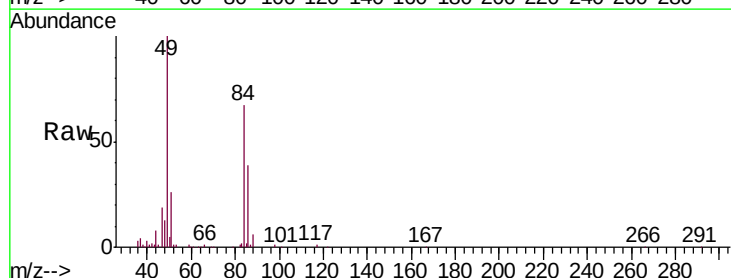
Ion Ratio Lower Upper

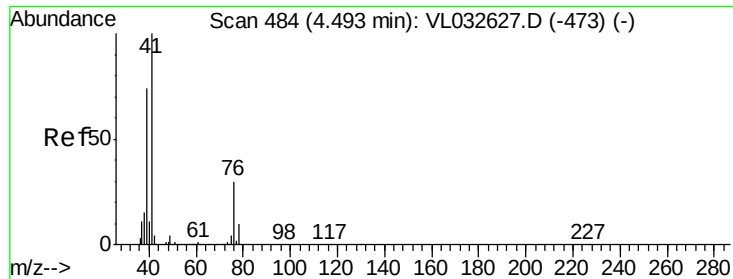
84 100

49 147.9 113.5 170.3

51 38.8 34.8 52.2

86 58.3 47.9 71.9

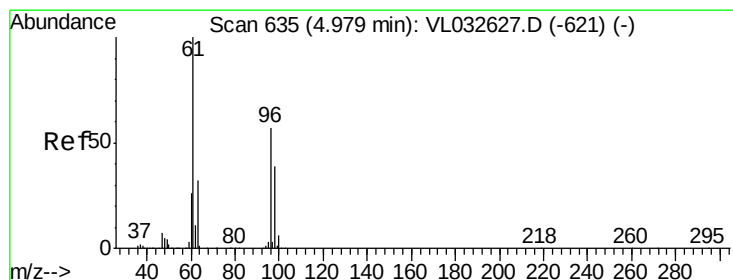
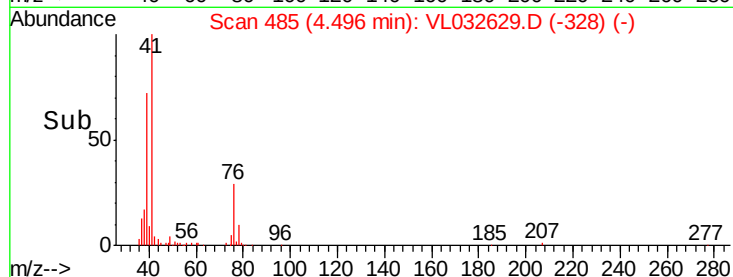
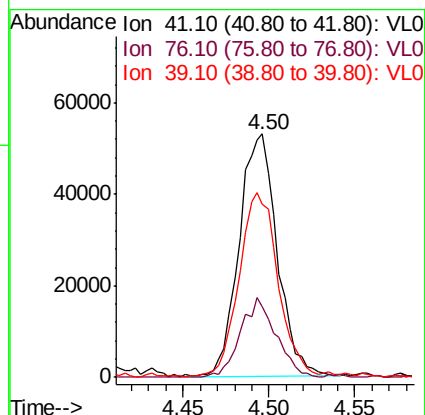
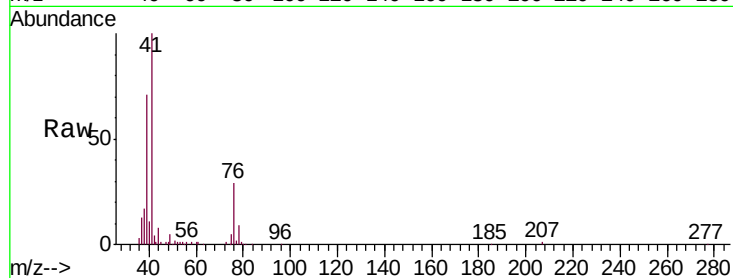




#21
 Allyl Chloride
 Concen: 0.983 ppbv
 RT: 4.50 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

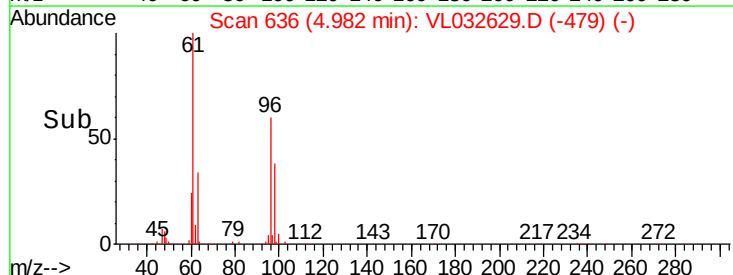
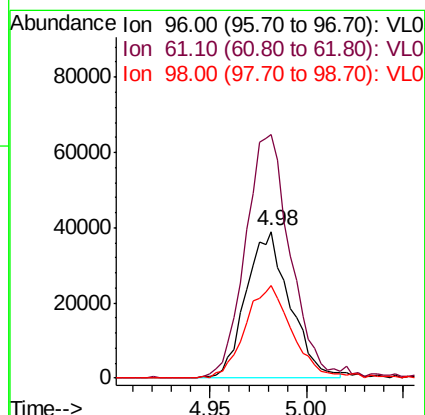
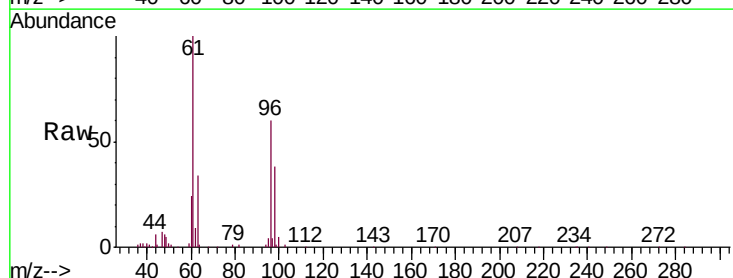
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

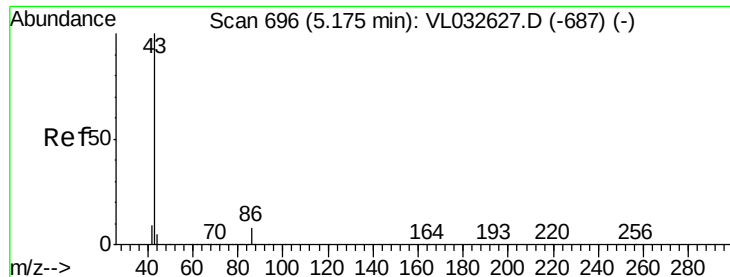
Tgt Ion: 41 Resp: 81558
 Ion Ratio Lower Upper
 41 100
 76 31.4 24.3 36.5
 39 78.7 60.3 90.5



#22
 trans-1,2-Dichloroethene
 Concen: 1.049 ppbv
 RT: 4.98 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 96 Resp: 61873
 Ion Ratio Lower Upper
 96 100
 61 166.4 140.4 210.6
 98 63.3 55.0 82.6





#23

Vinyl Acetate

Concen: 0.937 ppbv

RT: 5.17 min Scan# 696

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 160944

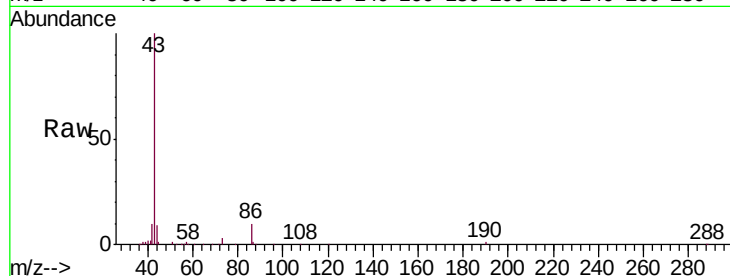
Ion Ratio Lower Upper

43 100

86 9.4 6.1 9.1#

42 9.7 7.4 11.2

44 7.3 4.2 6.2#

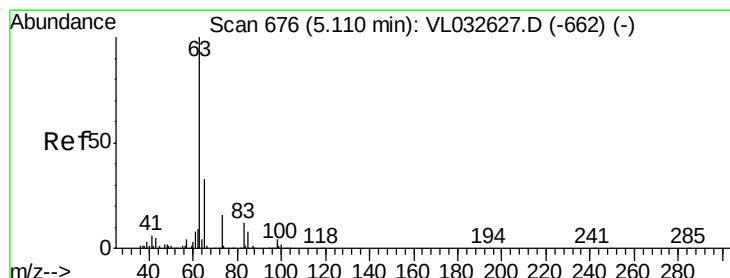
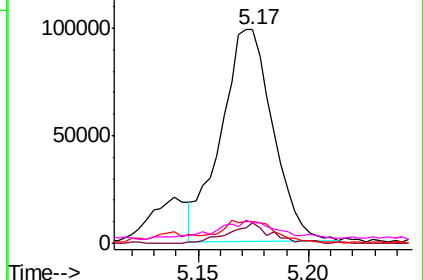
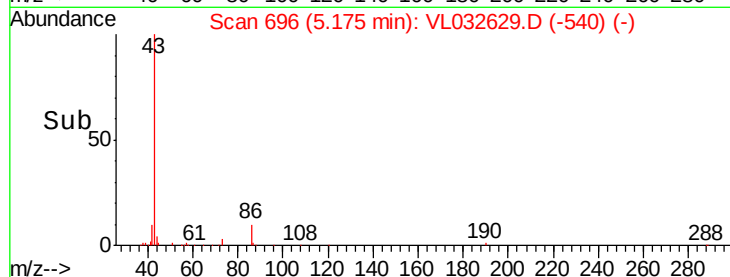


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 1.104 ppbv

RT: 5.11 min Scan# 675

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

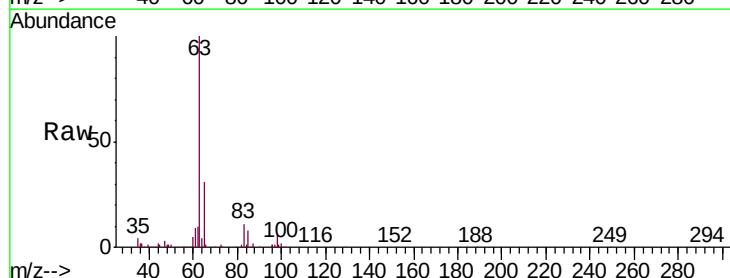
Tgt Ion: 63 Resp: 167727

Ion Ratio Lower Upper

63 100

98 5.7 2.1 6.3

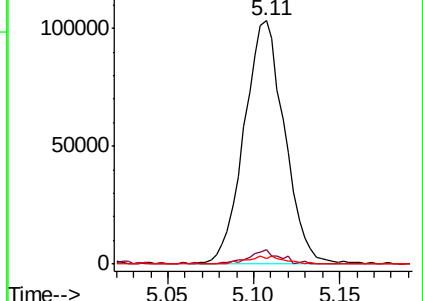
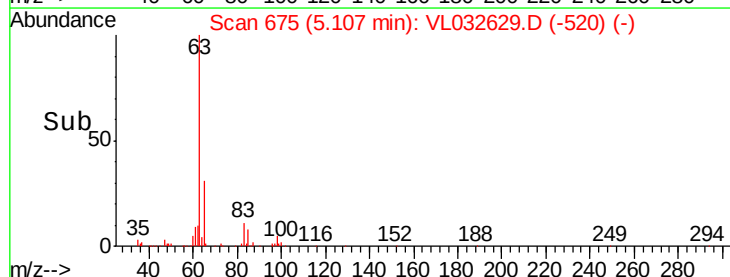
100 2.5 1.2 3.6

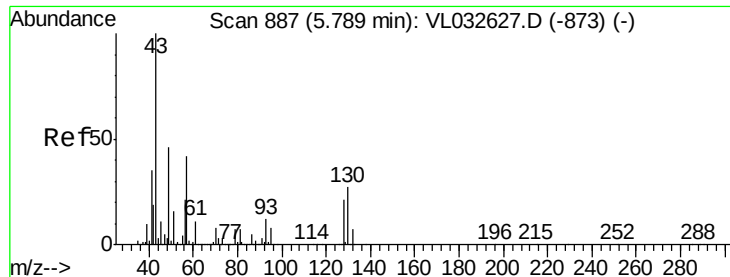


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 1.049 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion: 43 Resp: 265883

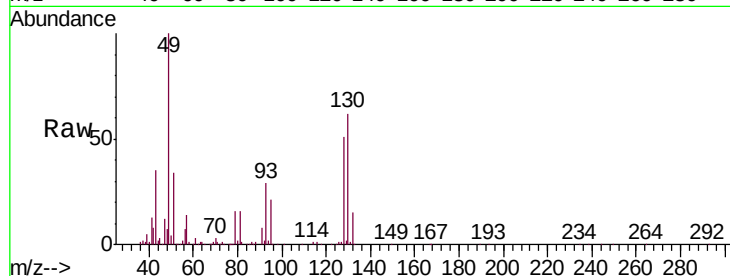
Ion Ratio Lower Upper

43 100

45 10.3 8.0 12.0

61 9.9 8.0 12.0

70 7.4 5.9 8.9

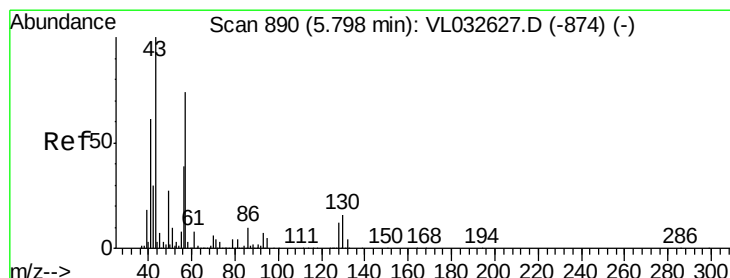
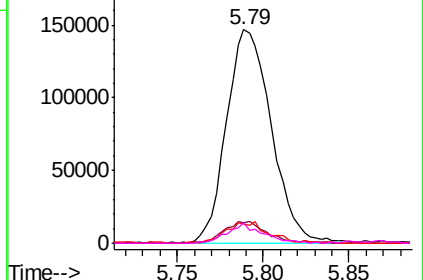
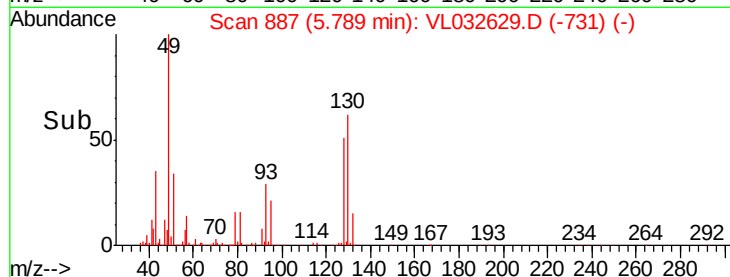


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.505 ppbv

RT: 5.80 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Tgt Ion: 57 Resp: 58485

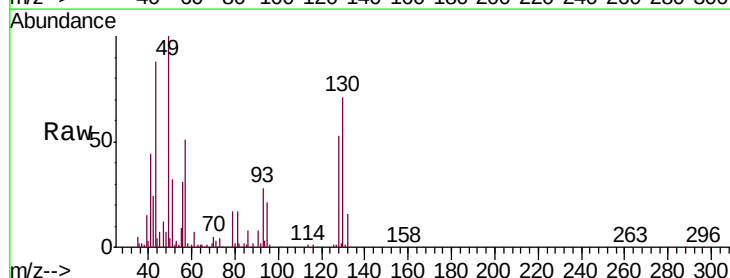
Ion Ratio Lower Upper

57 100

41 0.0 67.4 101.0#

43 0.0 171.9 257.9#

56 116.8 42.6 63.8#

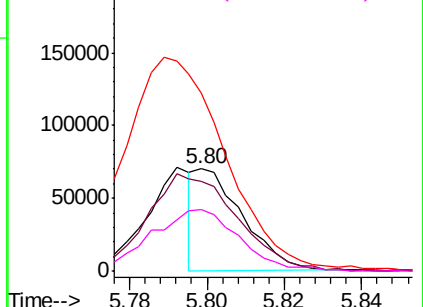
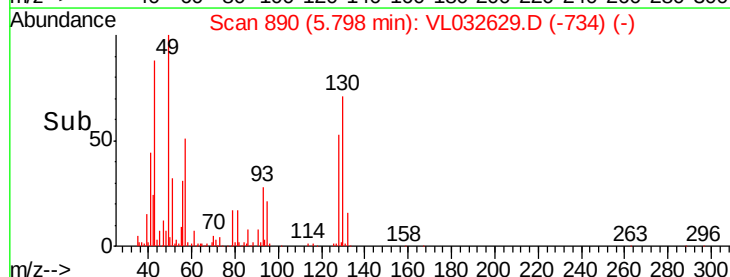


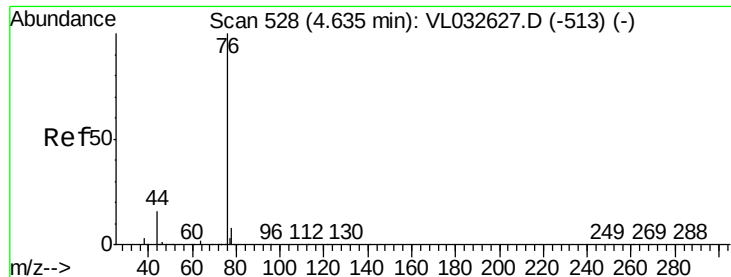
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

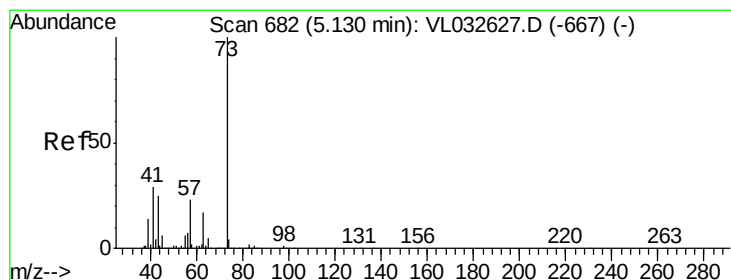
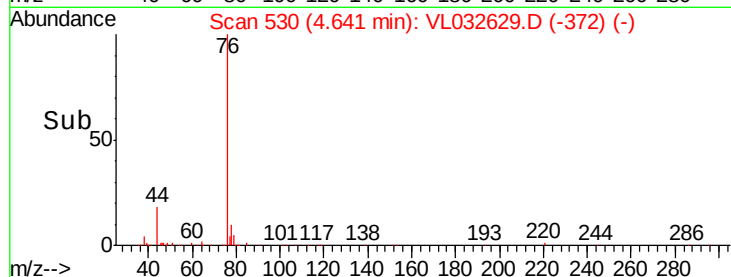
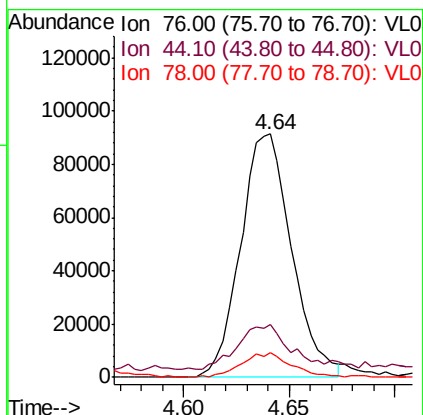
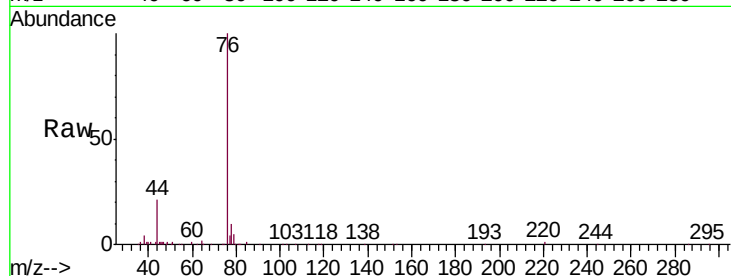




#27
Carbon Disulfide
Concen: 1.109 ppbv
RT: 4.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

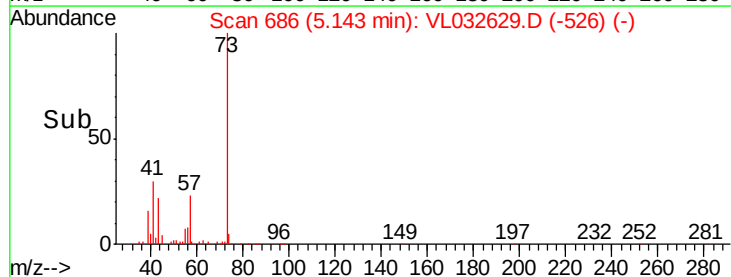
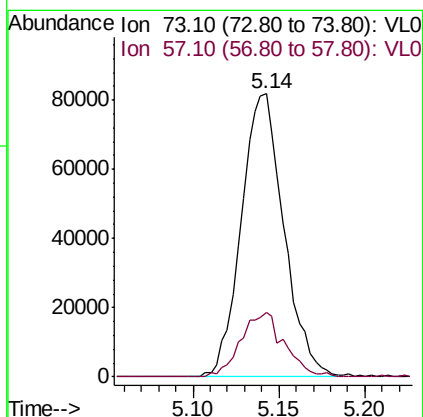
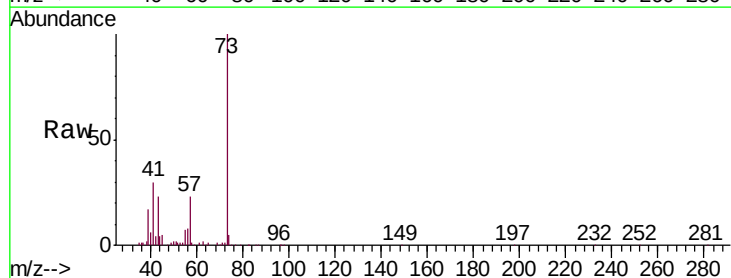
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

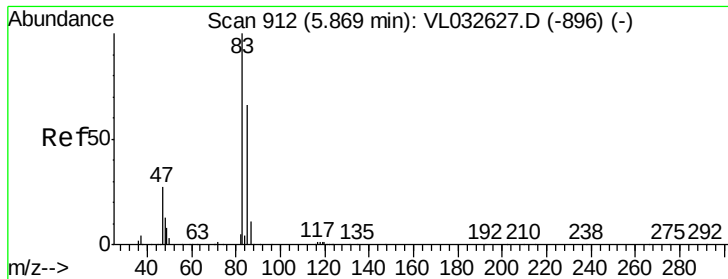
Tgt Ion: 76 Resp: 153637
Ion Ratio Lower Upper
76 100
44 24.4 13.7 20.5#
78 10.2 7.4 11.2



#28
Methyl tert-Butyl Ether
Concen: 1.027 ppbv
RT: 5.14 min Scan# 686
Delta R.T. 0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 73 Resp: 140560
Ion Ratio Lower Upper
73 100
57 23.5 18.0 27.0

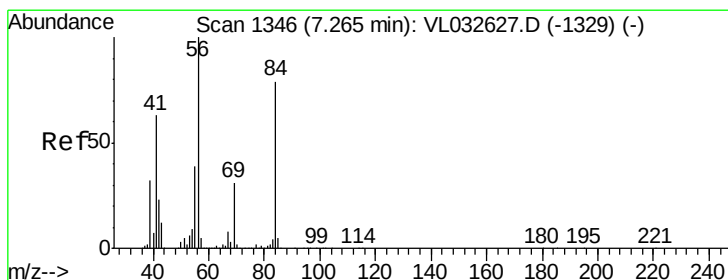
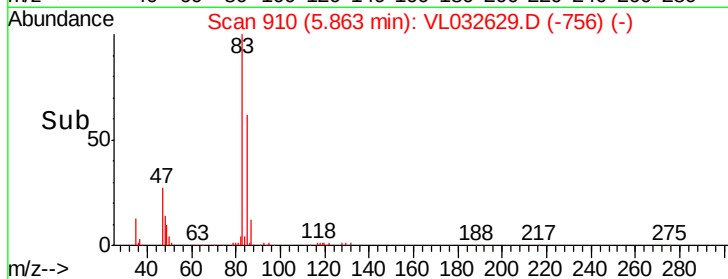
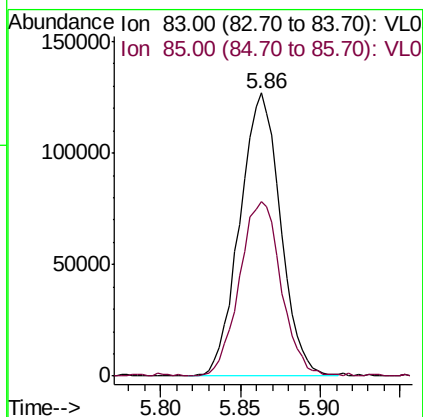
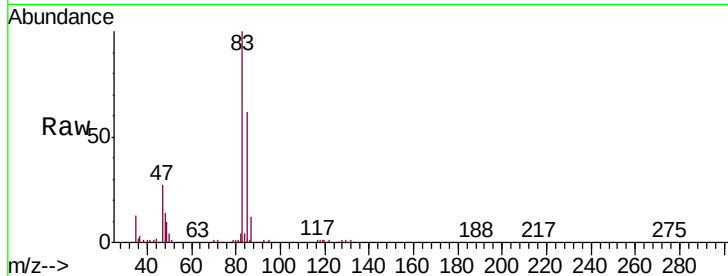




#29
Chloroform
Concen: 1.111 ppbv
RT: 5.86 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

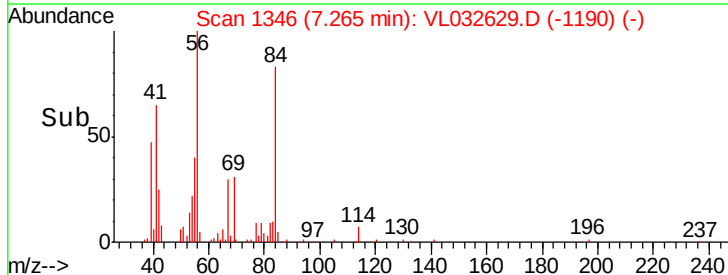
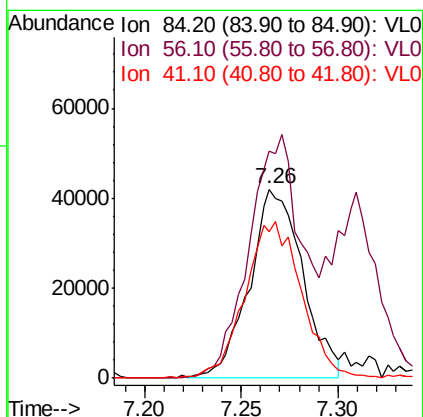
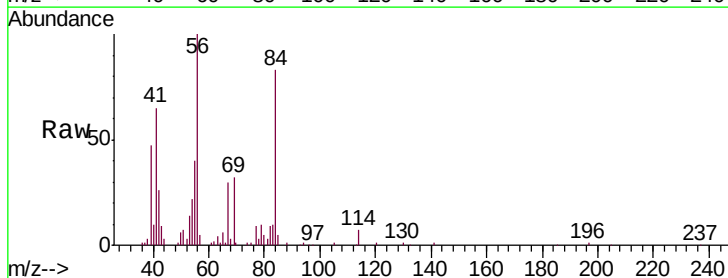
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

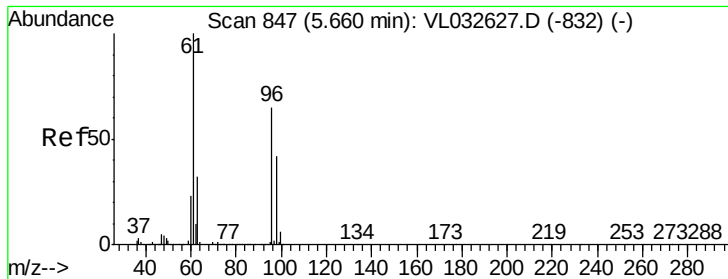
Tgt Ion: 83 Resp: 220015
Ion Ratio Lower Upper
83 100
85 61.6 53.0 79.6



#30
Cyclohexane
Concen: 0.874 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 84 Resp: 79480
Ion Ratio Lower Upper
84 100
56 130.0 108.3 162.5
41 89.0 64.8 97.2





#31

cis-1,2-Dichloroethene

Concen: 0.942 ppbv

RT: 5.65 min Scan# 845

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

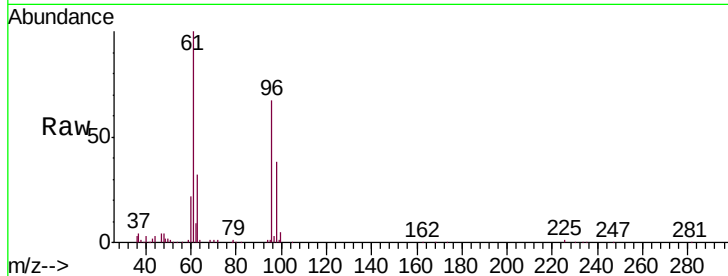
Tgt Ion: 61 Resp: 103503

Ion Ratio Lower Upper

61 100

96 66.7 51.8 77.6

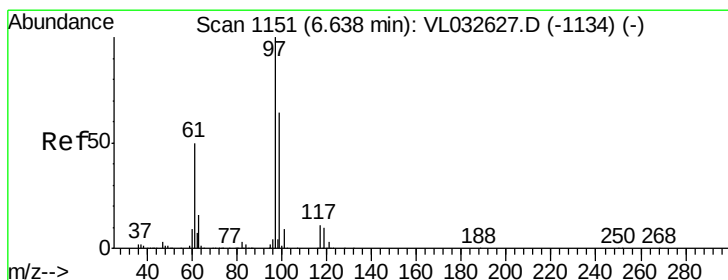
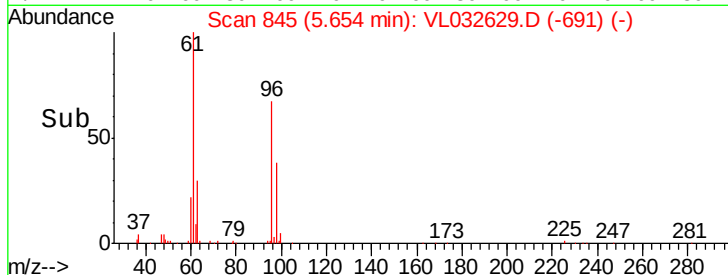
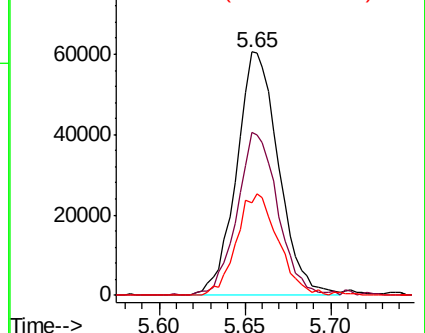
98 38.0 33.8 50.6



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.062 ppbv

RT: 6.64 min Scan# 1151

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

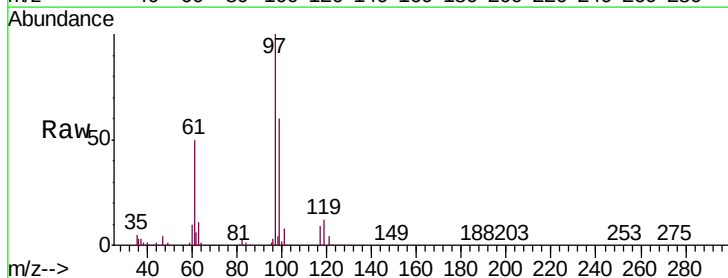
Tgt Ion: 97 Resp: 203310

Ion Ratio Lower Upper

97 100

99 62.2 52.0 78.0

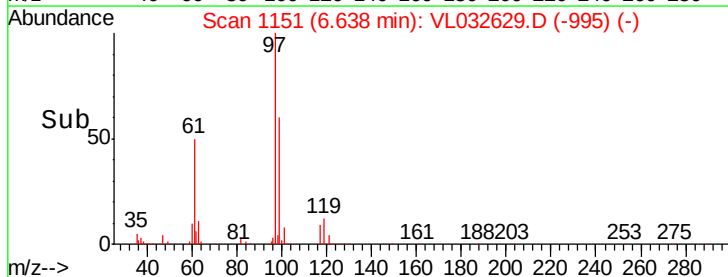
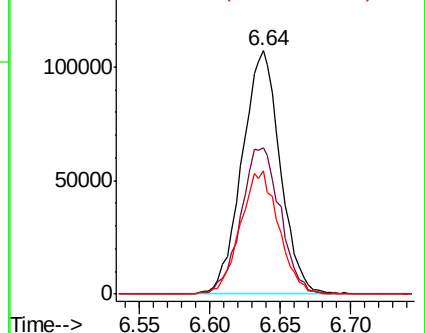
61 51.1 40.7 61.1

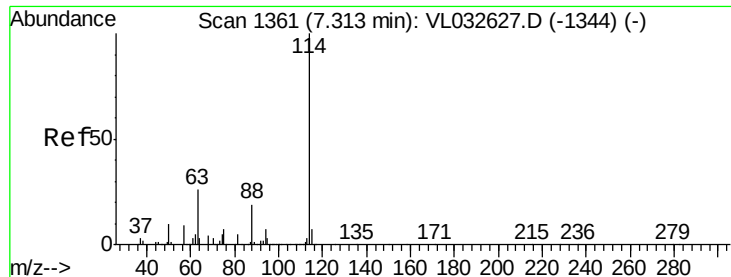


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

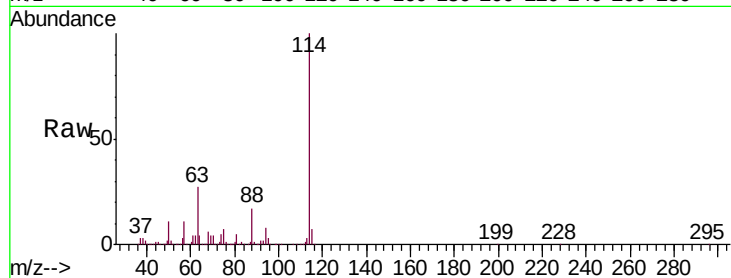




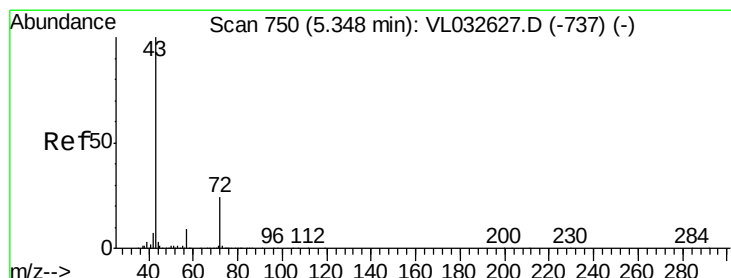
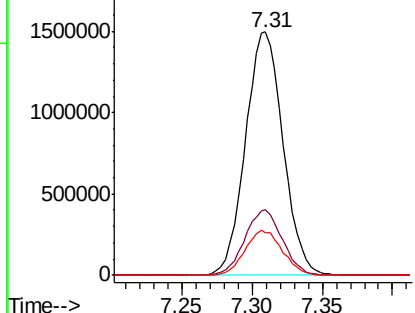
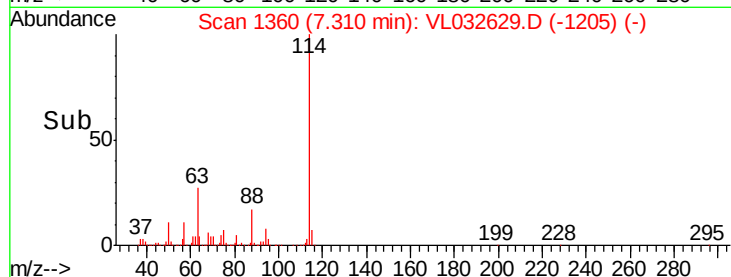
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 114 Resp: 2795030
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.7 32.5
 88 18.5 14.9 22.3

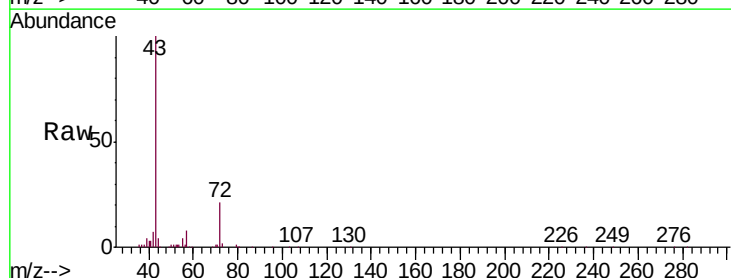


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

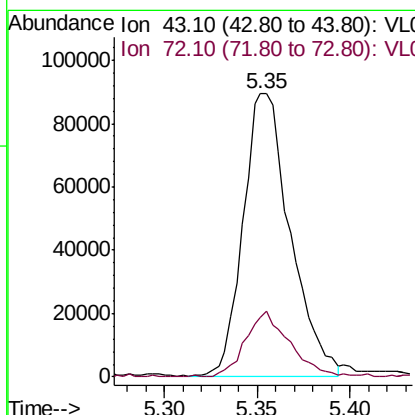
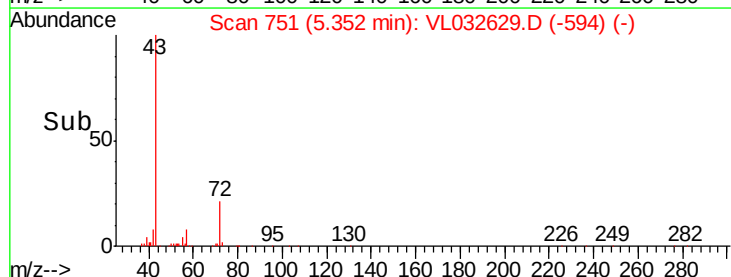


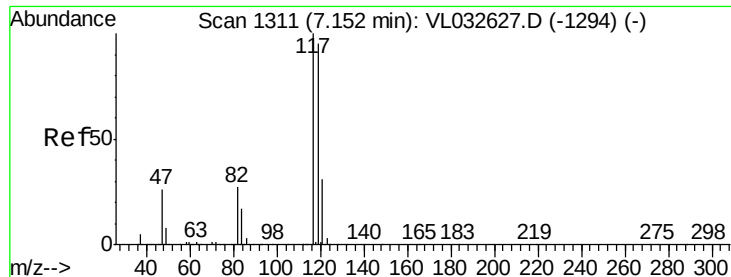
#34
 2-Butanone
 Concen: 1.097 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 43 Resp: 158119
 Ion Ratio Lower Upper
 43 100
 72 22.1 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

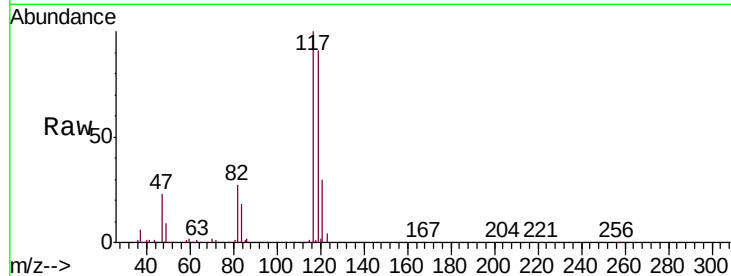




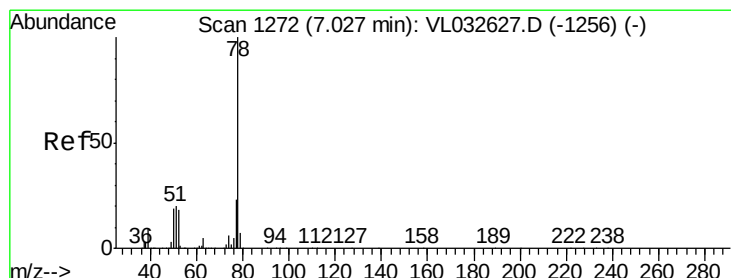
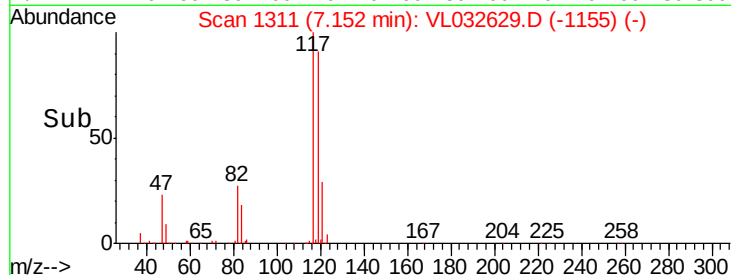
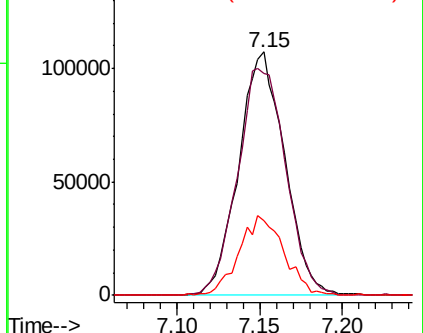
#35
Carbon Tetrachloride
Concen: 1.030 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.8	75.7	113.5
121	30.3	24.7	37.1

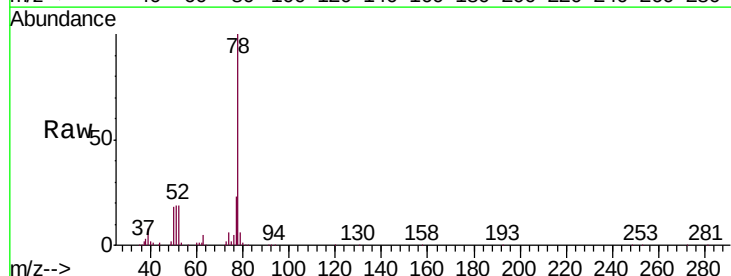


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

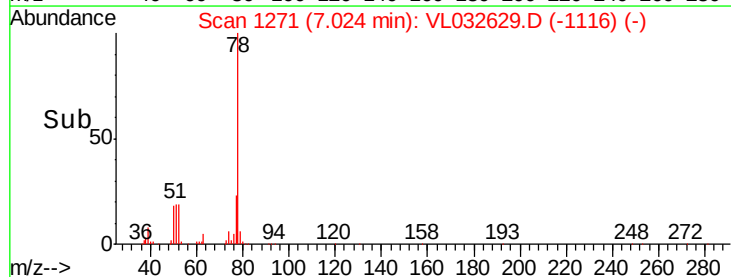
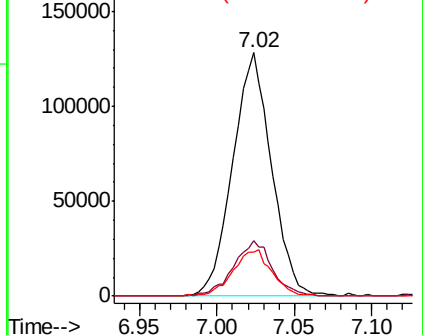


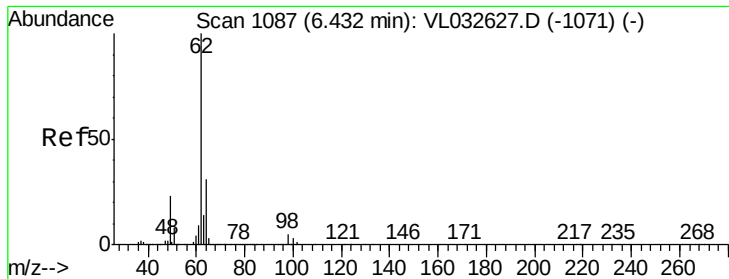
#36
Benzene
Concen: 1.003 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	18.1	27.1
50	17.9	15.1	22.7



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

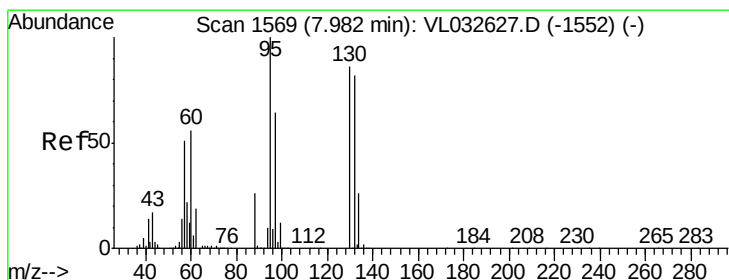
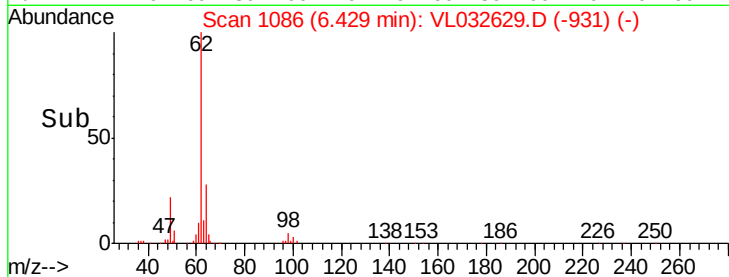
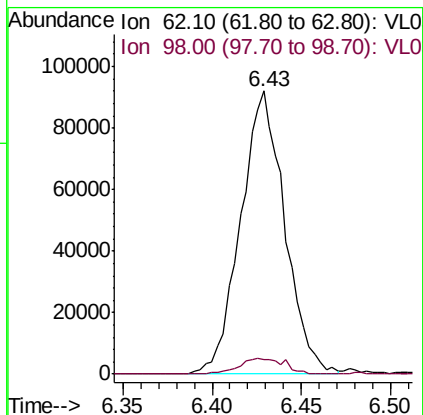
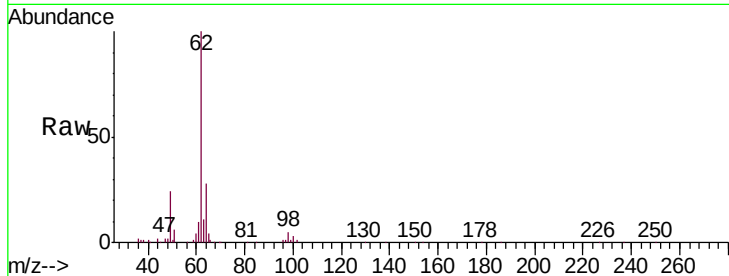




#37
 1,2-Dichloroethane
 Concen: 1.077 ppbv
 RT: 6.43 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

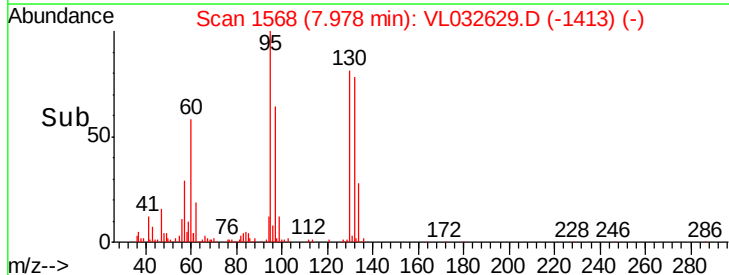
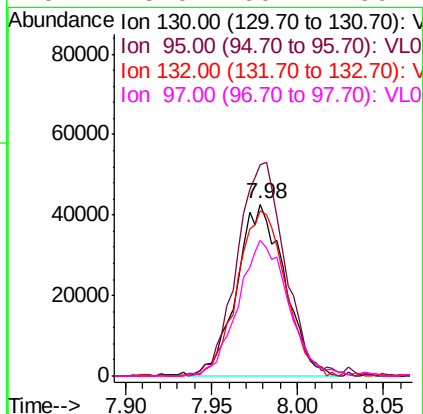
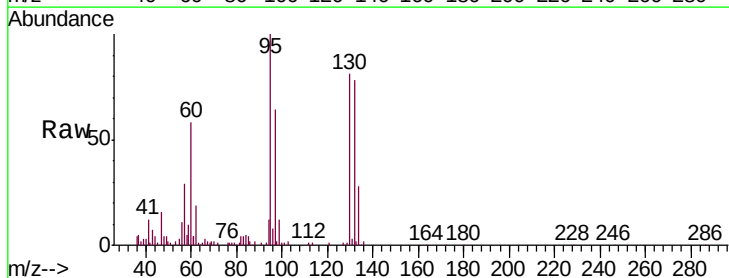
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

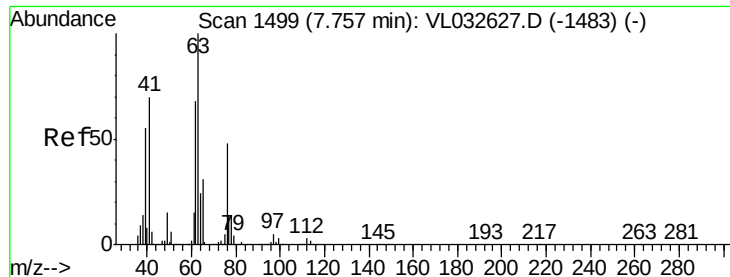
Tgt Ion: 62 Resp: 158539
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.4 6.6



#38
 Trichloroethene
 Concen: 1.009 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 130 Resp: 82106
 Ion Ratio Lower Upper
 130 100
 95 121.7 93.4 140.0
 132 95.8 76.5 114.7
 97 78.0 60.2 90.2





#39

1,2-Dichloropropane

Concen: 0.994 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

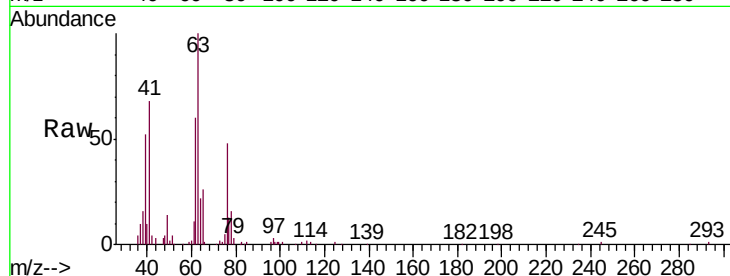
Tgt Ion: 63 Resp: 89912

Ion Ratio Lower Upper

63 100

41 67.6 56.2 84.4

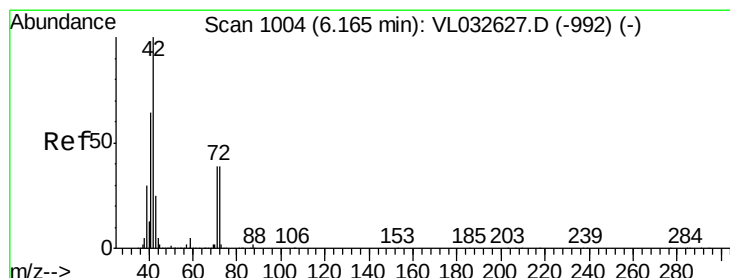
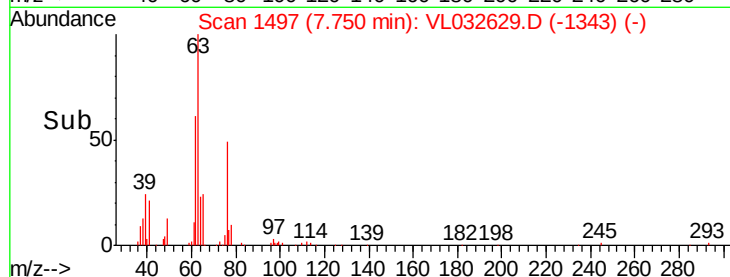
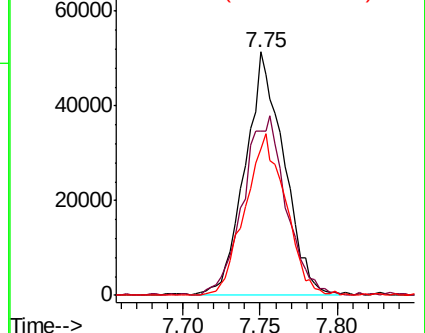
62 59.9 54.4 81.6



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: 0.927 ppbv

RT: 6.18 min Scan# 1010

Delta R.T. 0.02 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

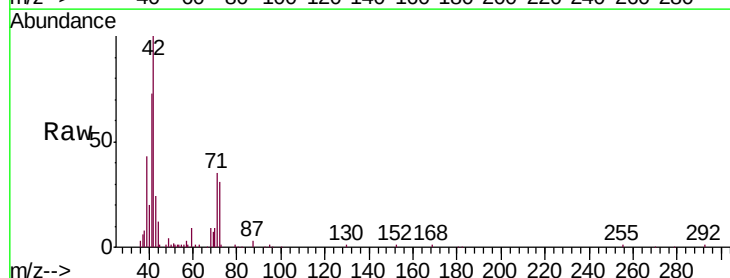
Tgt Ion: 42 Resp: 74575

Ion Ratio Lower Upper

42 100

72 41.2 32.4 48.6

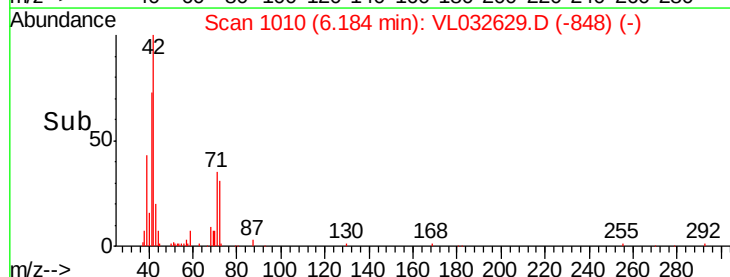
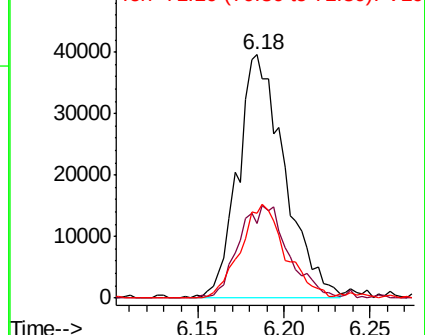
71 38.9 31.3 46.9

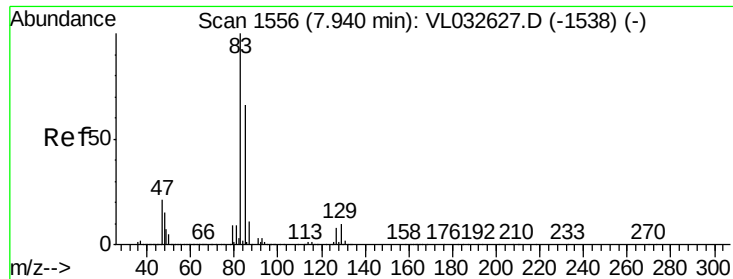


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 1.048 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

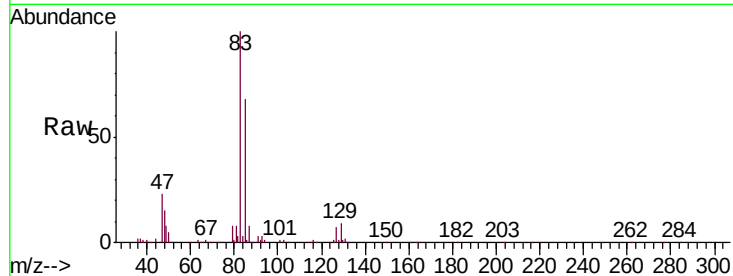
Tgt Ion: 83 Resp: 216030

Ion Ratio Lower Upper

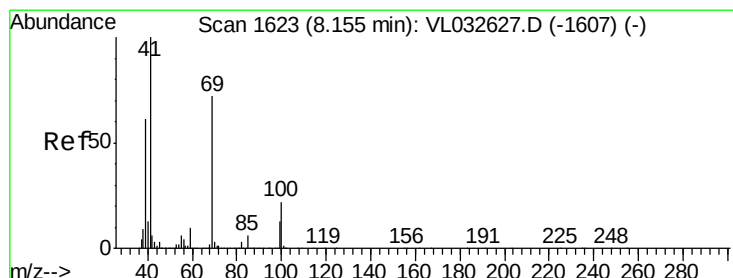
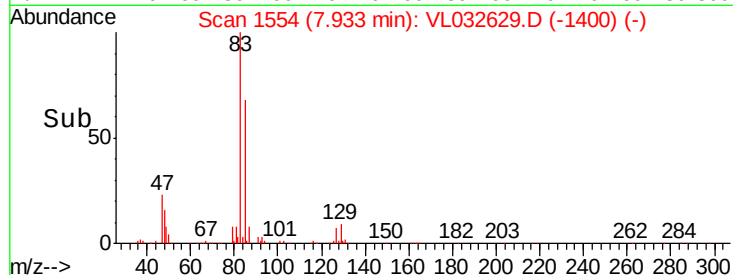
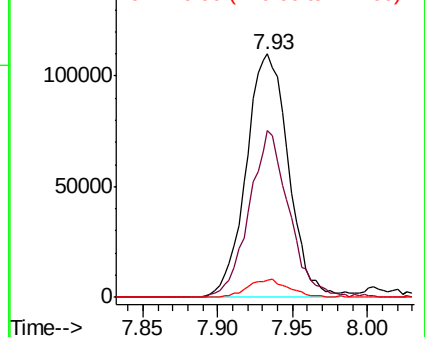
83 100

85 68.3 52.4 78.6

127 6.8 6.1 9.1



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): VL0



#43

Methyl Methacrylate

Concen: 0.915 ppbv

RT: 8.16 min Scan# 1625

Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

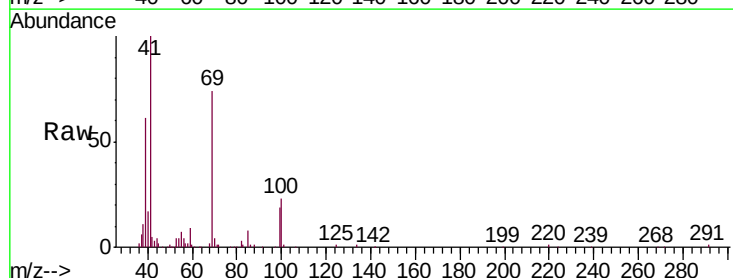
Tgt Ion: 69 Resp: 78591

Ion Ratio Lower Upper

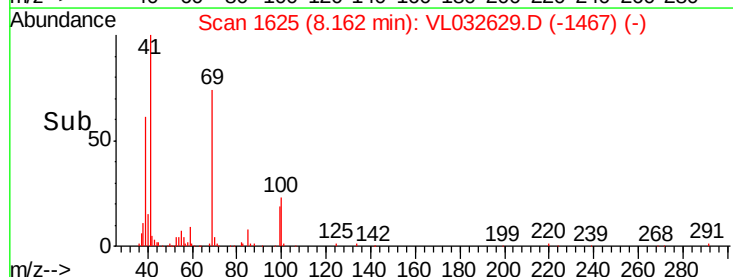
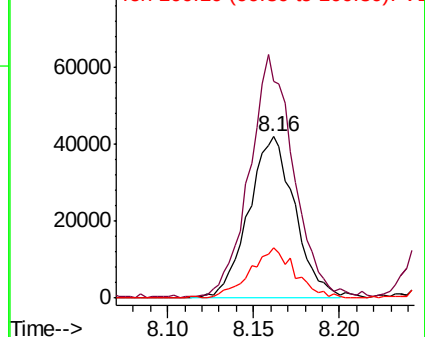
69 100

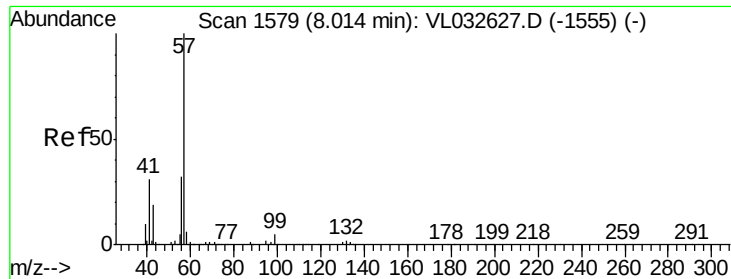
41 143.1 113.2 169.8

100 30.6 24.4 36.6



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

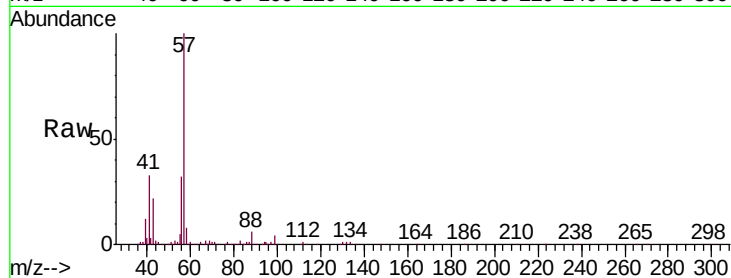




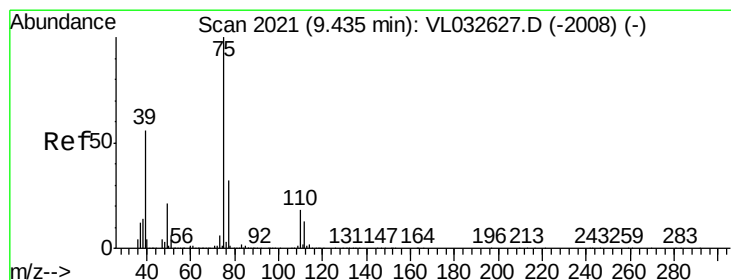
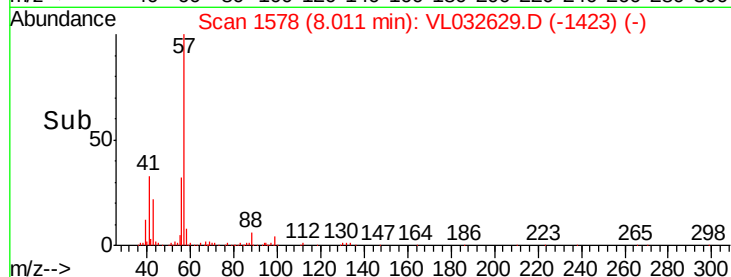
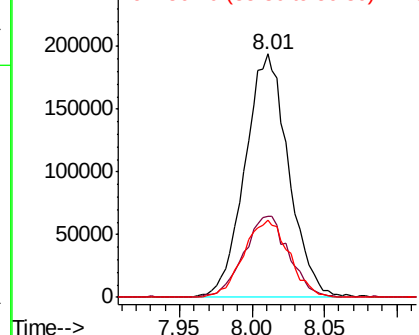
#44
 2,2,4-Trimethylpentane
 Concen: 1.025 ppbv
 RT: 8.01 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tgt Ion: 57 Resp: 403510
 Ion Ratio Lower Upper
 57 100
 41 35.1 24.7 37.1
 56 33.4 25.0 37.4

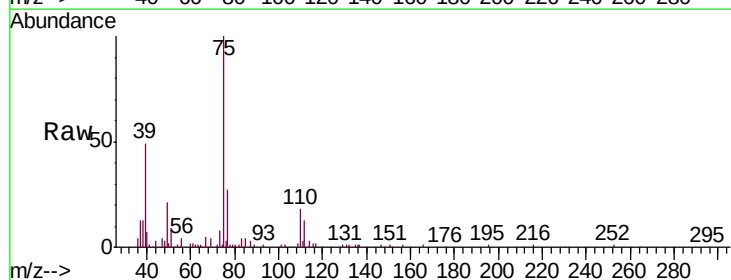


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

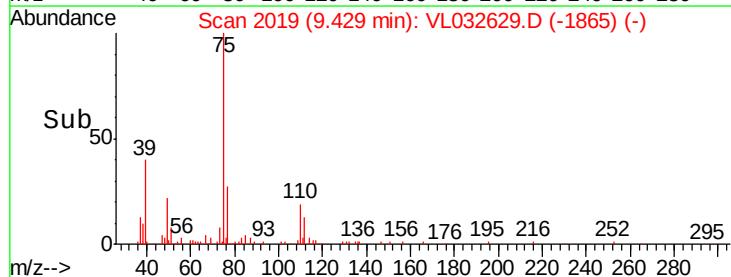
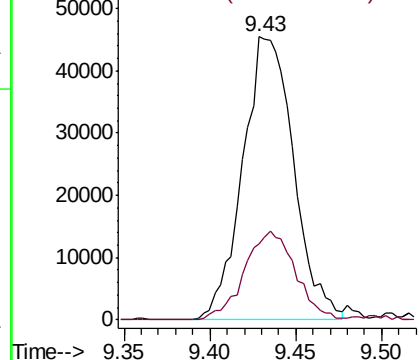


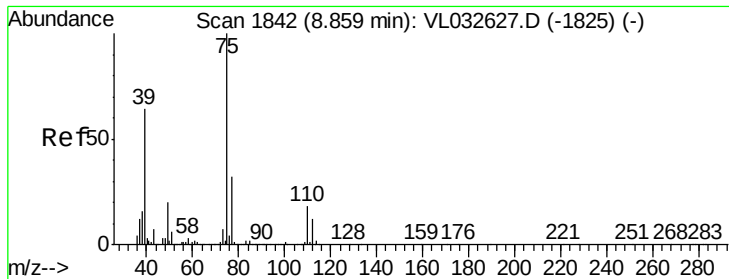
#45
 t-1,3-Dichloropropene
 Concen: 0.866 ppbv
 RT: 9.43 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 75 Resp: 93659
 Ion Ratio Lower Upper
 75 100
 77 27.6 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0



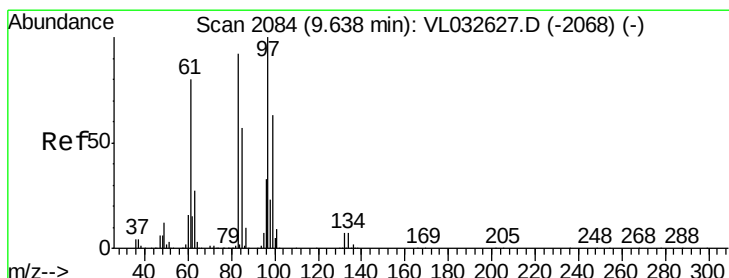
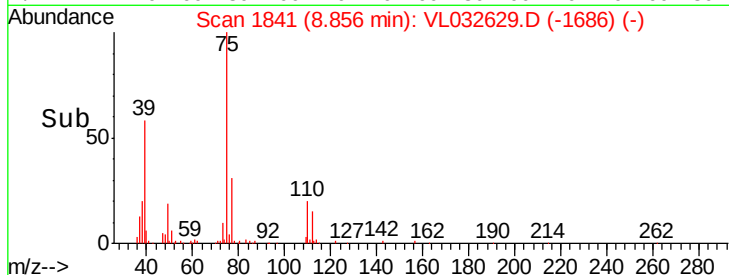
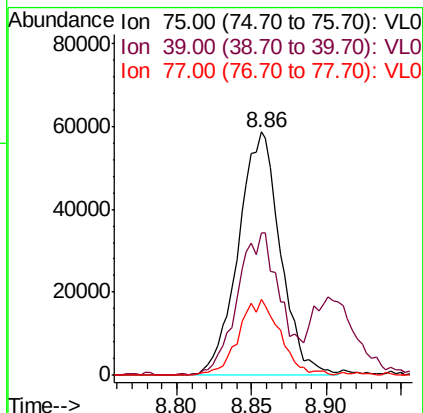
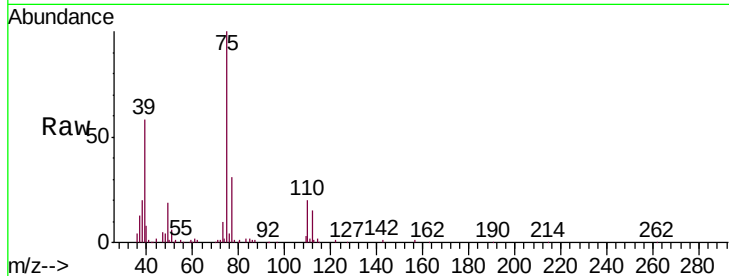


#46

cis-1,3-Dichloropropene
 Concen: 0.930 ppbv
 RT: 8.86 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

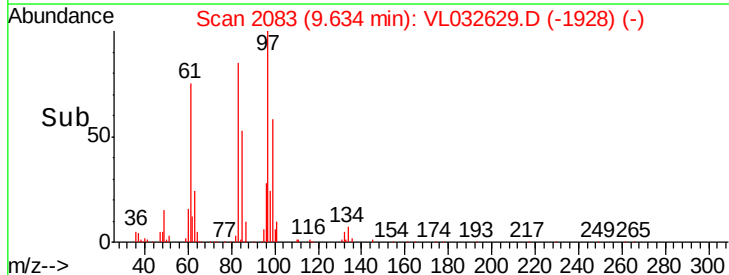
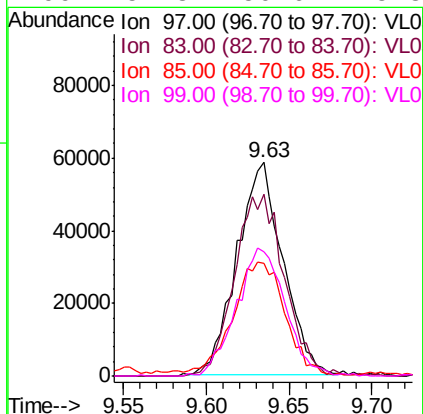
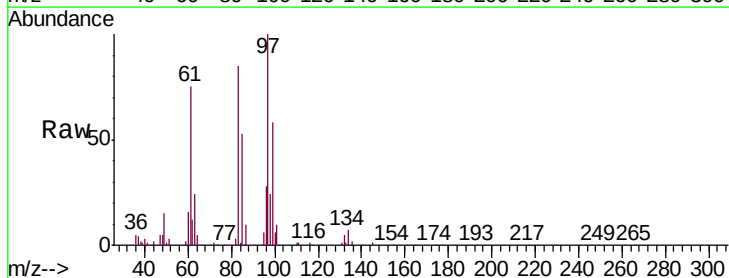
Tgt Ion	Ratio	Lower	Upper
75	100		
39	58.0	50.9	76.3
77	31.3	25.8	38.6

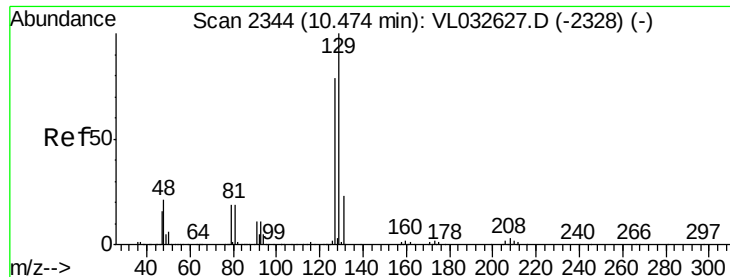


#47

1,1,2-Trichloroethane
 Concen: 1.046 ppbv
 RT: 9.63 min Scan# 2083
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	73.5	110.3
85	51.4	45.8	68.6
99	57.8	50.6	75.8





#48

Dibromochloromethane

Concen: 1.036 ppbv

RT: 10.47 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

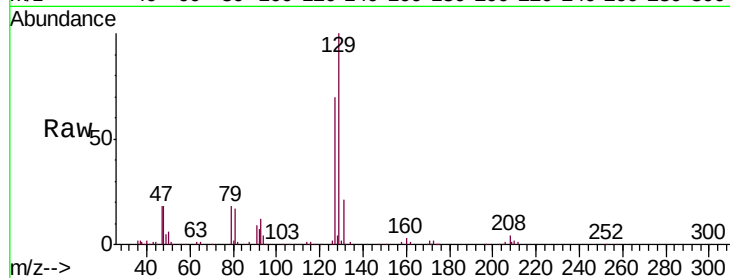
VSTDIC001

Tgt Ion:129 Resp: 184893

Ion Ratio Lower Upper

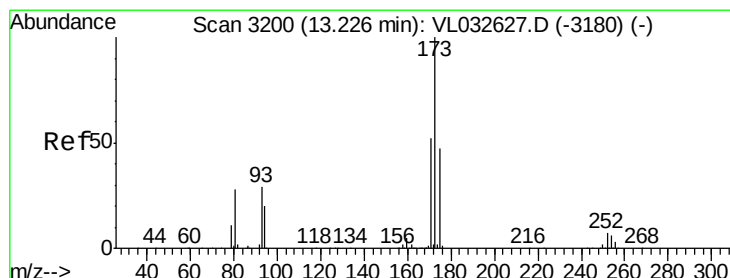
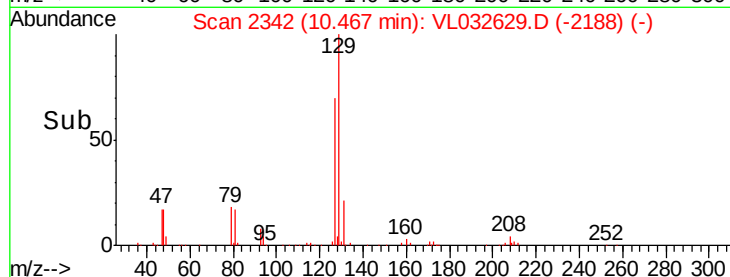
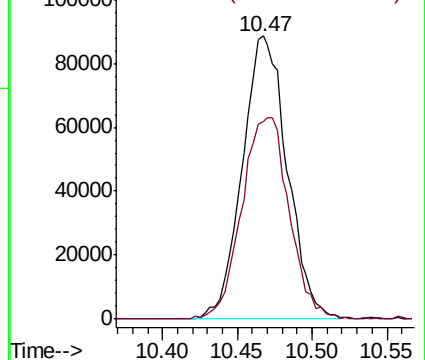
129 100

127 74.9 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.997 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

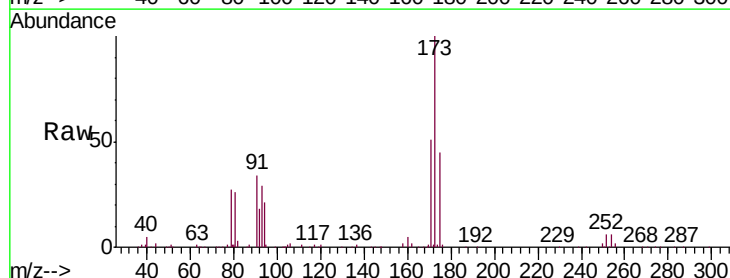
Tgt Ion:173 Resp: 135831

Ion Ratio Lower Upper

173 100

175 50.2 39.0 58.4

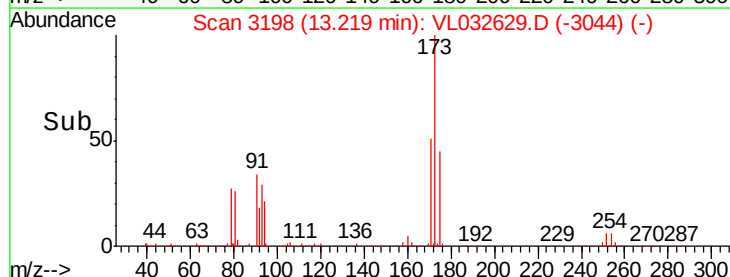
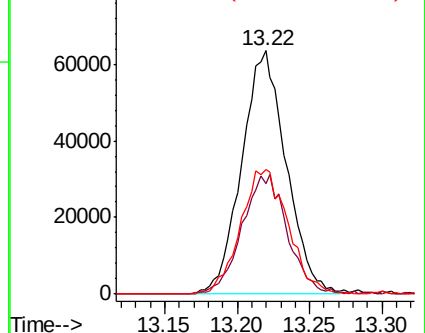
171 54.5 42.2 63.2

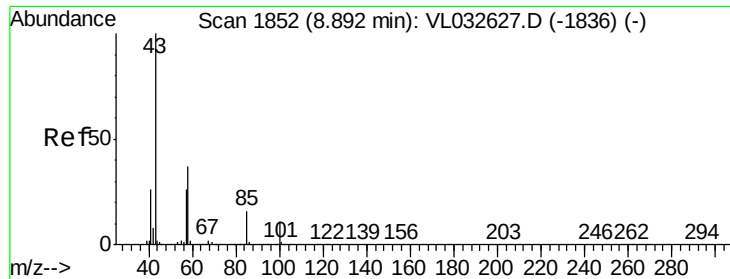


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

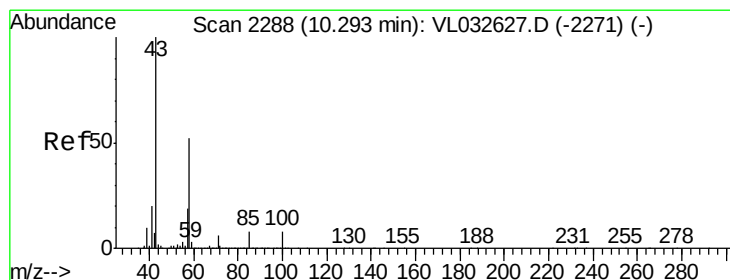
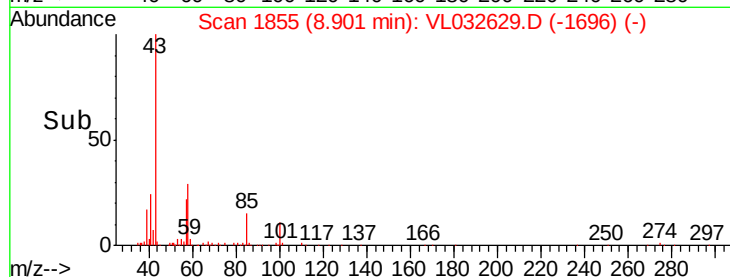
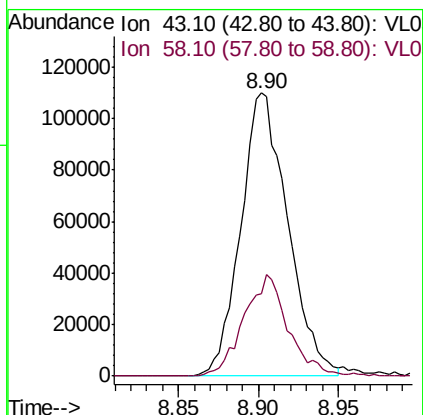
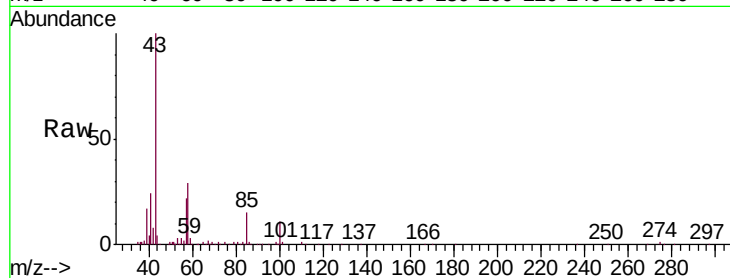




#50
 4-Methyl-2-Pentanone
 Concen: 0.997 ppbv
 RT: 8.90 min Scan# 1855
 Delta R.T. 0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

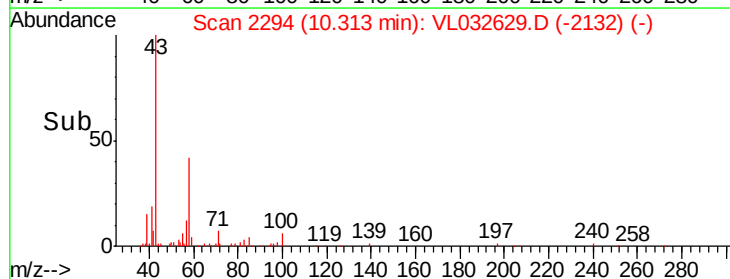
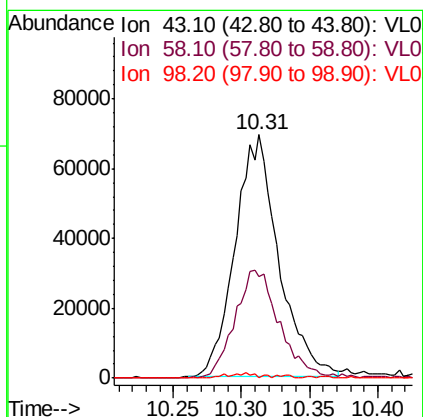
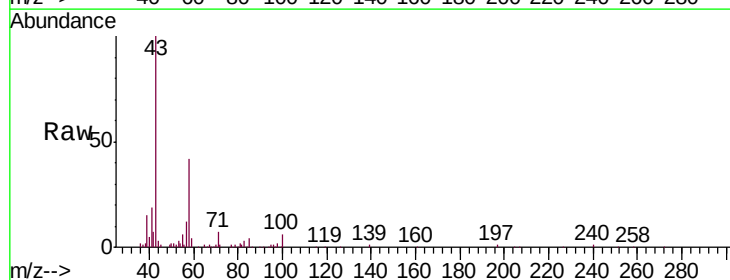
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

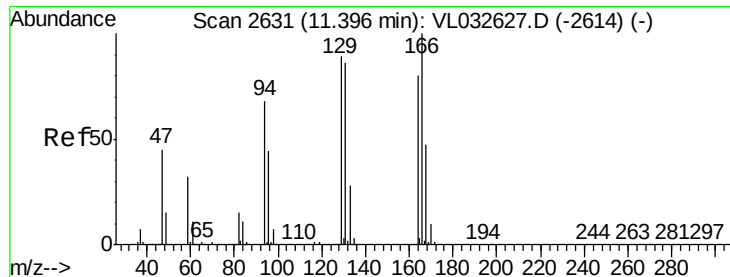
Tgt Ion: 43 Resp: 220857
 Ion Ratio Lower Upper
 43 100
 58 34.1 29.7 44.5



#51
 2-Hexanone
 Concen: 0.887 ppbv
 RT: 10.31 min Scan# 2294
 Delta R.T. 0.02 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 43 Resp: 153559
 Ion Ratio Lower Upper
 43 100
 58 46.2 40.4 60.6
 98 1.8 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.558 ppbv

RT: 11.39 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 39720

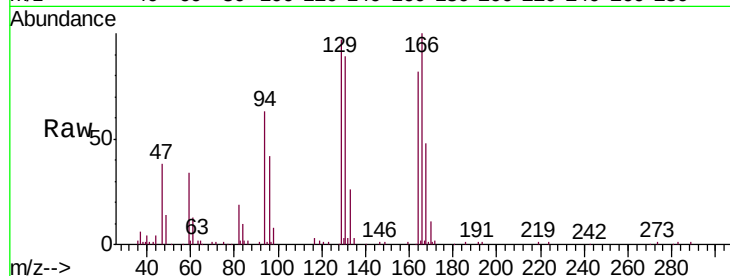
Ion Ratio Lower Upper

164 100

166 119.7 100.5 150.7

129 118.1 90.0 135.0

131 107.7 86.6 129.8

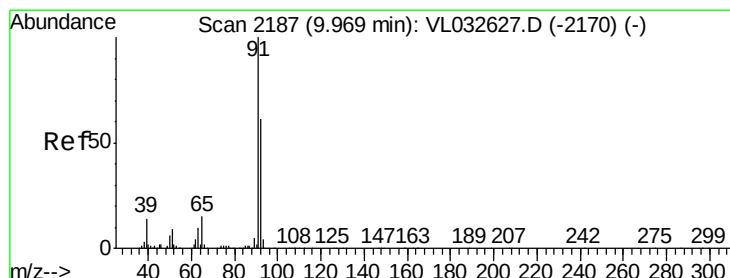
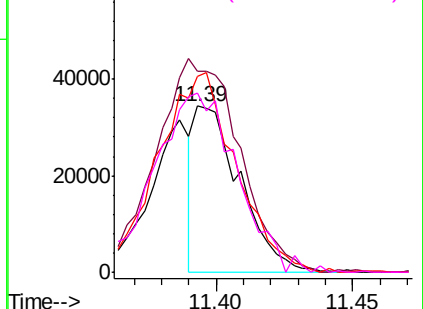
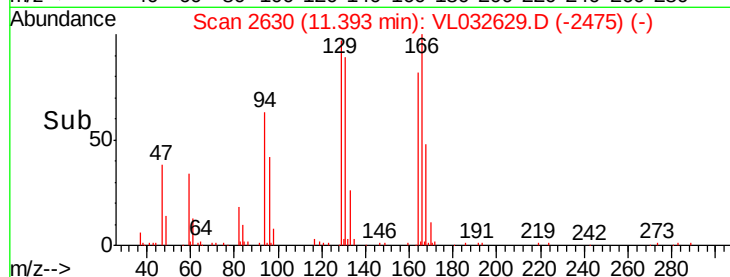


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.897 ppbv

RT: 9.97 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL032629.D

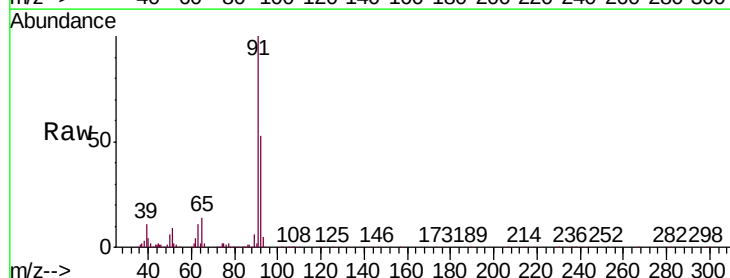
Acq: 17 Oct 2018 4:04

Tgt Ion: 91 Resp: 226287

Ion Ratio Lower Upper

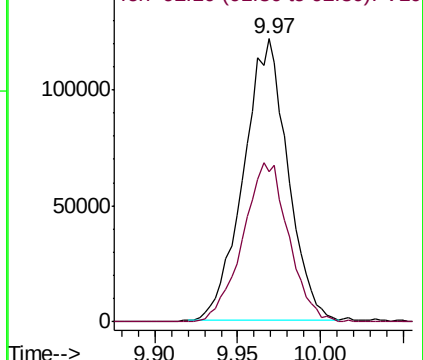
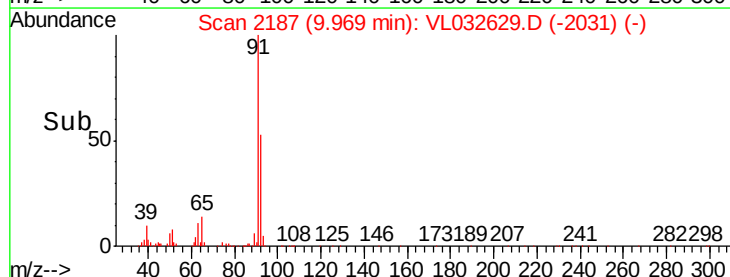
91 100

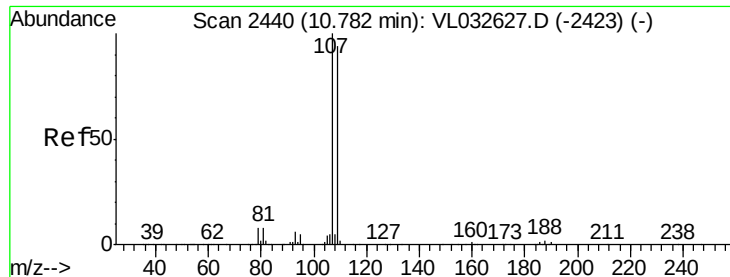
92 58.5 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

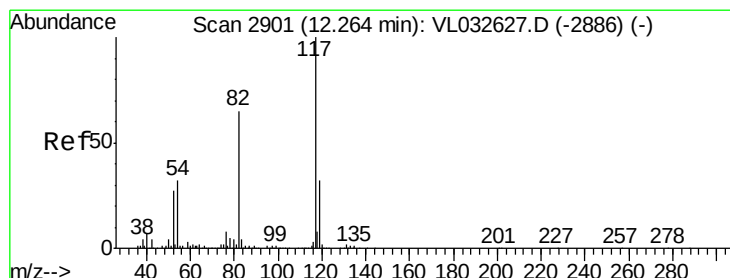
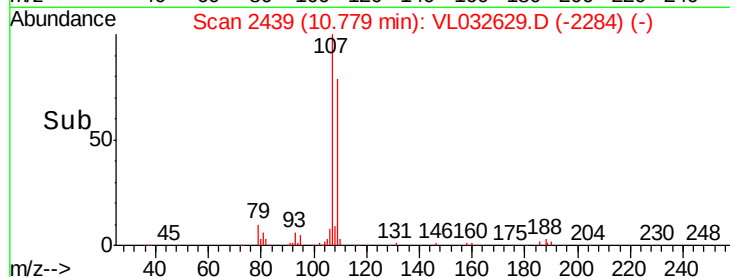
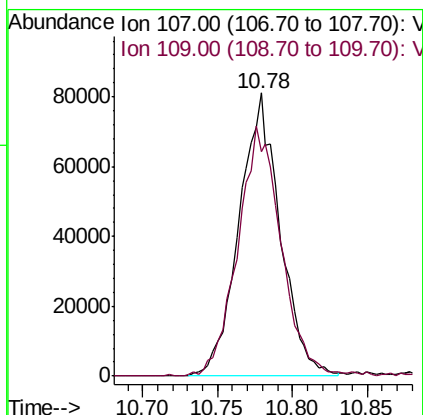
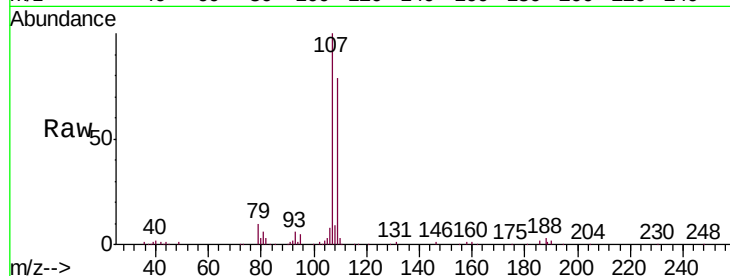




#54
 1,2-Dibromoethane
 Concen: 1.026 ppbv
 RT: 10.78 min Scan# 2439
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

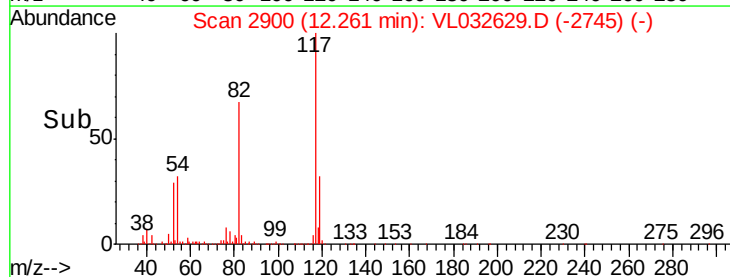
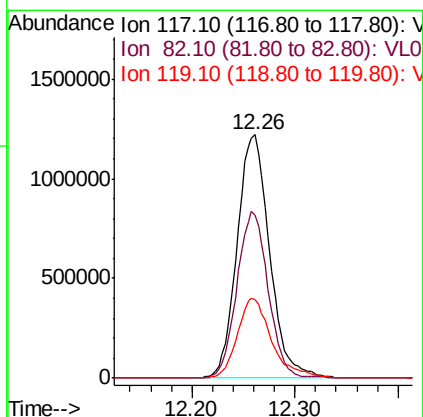
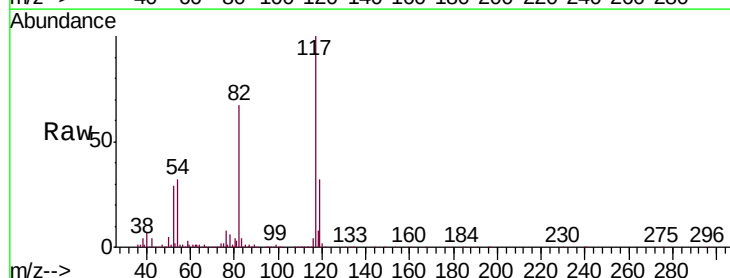
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

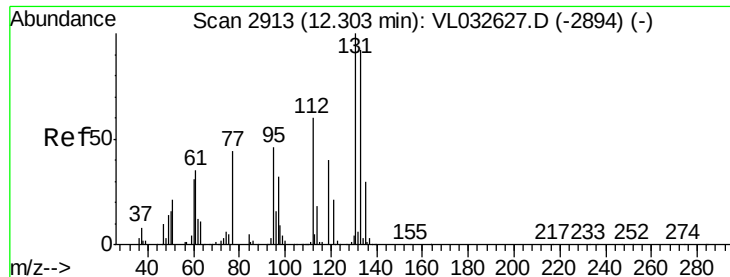
Tgt Ion:107 Resp: 154253
 Ion Ratio Lower Upper
 107 100
 109 78.6 75.3 112.9



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.26 min Scan# 2900
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion:117 Resp: 2683841
 Ion Ratio Lower Upper
 117 100
 82 66.1 52.7 79.1
 119 34.7 26.7 40.1

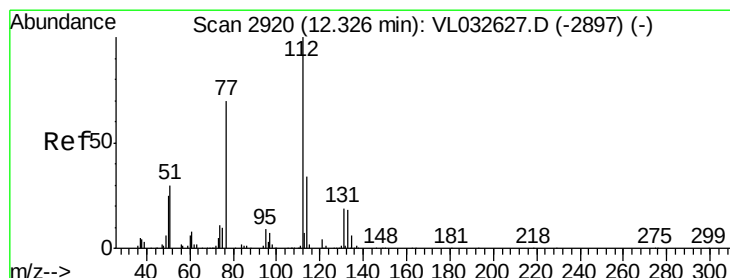
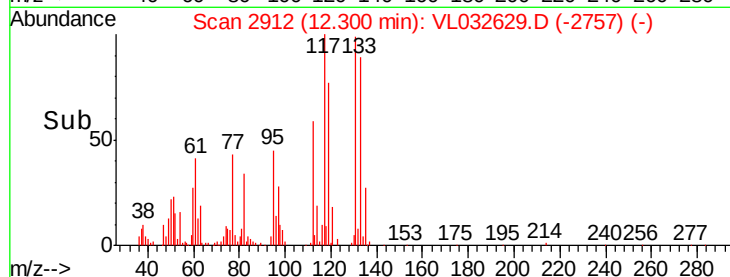
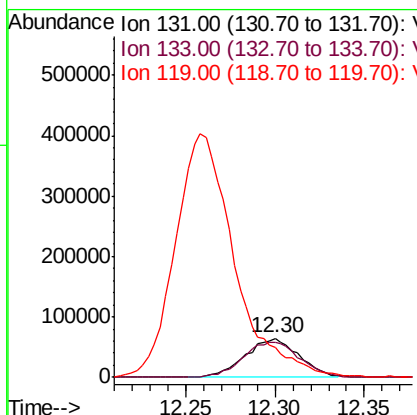
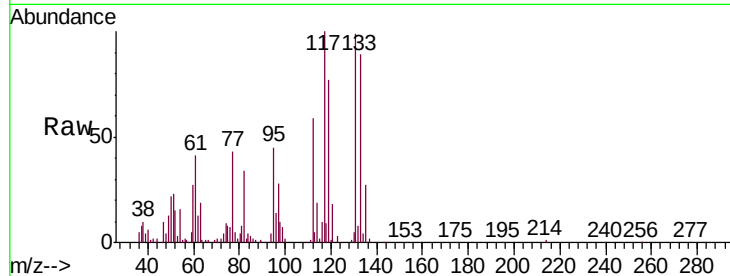




#56
 1,1,1,2-Tetrachloroethane
 Concen: 1.100 ppbv
 RT: 12.30 min Scan# 2912
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

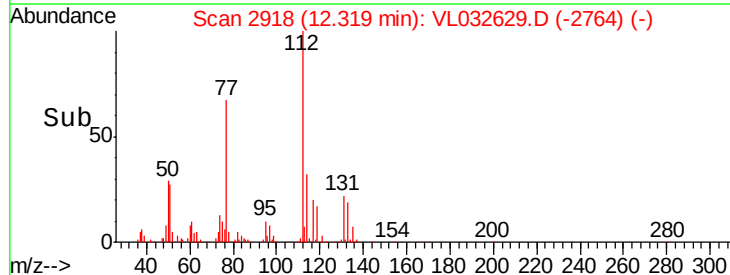
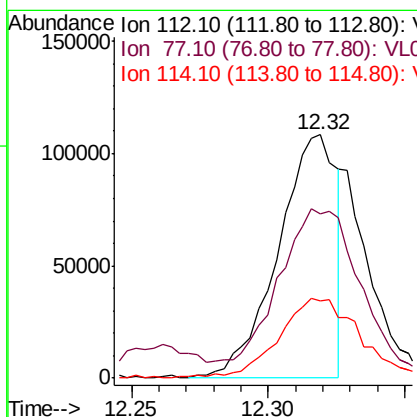
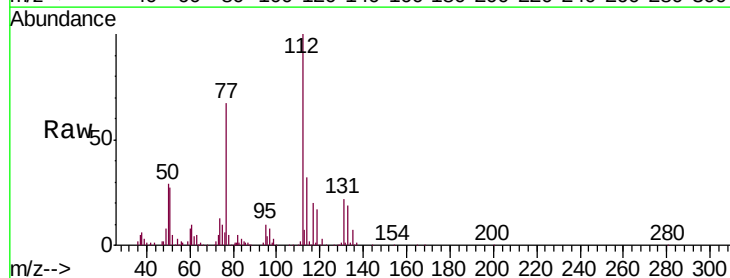
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

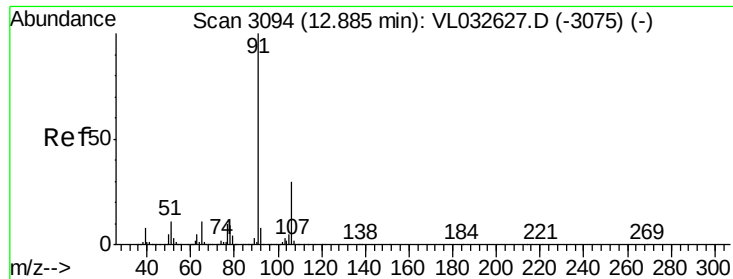
Tgt Ion:131 Resp: 133490
 Ion Ratio Lower Upper
 131 100
 133 96.9 75.4 113.2
 119 697.0 49.1 73.7#



#57
 Chlorobenzene
 Concen: 0.794 ppbv
 RT: 12.32 min Scan# 2918
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion:112 Resp: 161535
 Ion Ratio Lower Upper
 112 100
 77 57.2 56.8 85.2
 114 31.1 30.3 37.1





#58

Ethyl Benzene

Concen: 0.993 ppbv

RT: 12.89 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

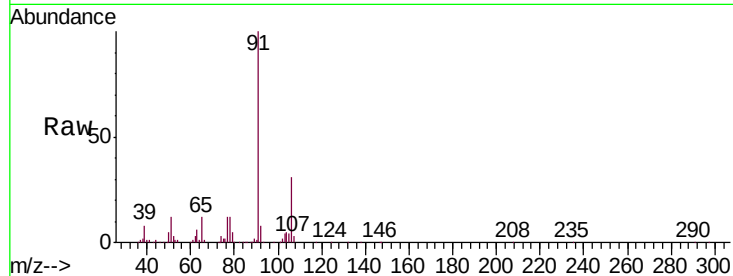
VSTDIC001

Tgt Ion: 91 Resp: 293260

Ion Ratio Lower Upper

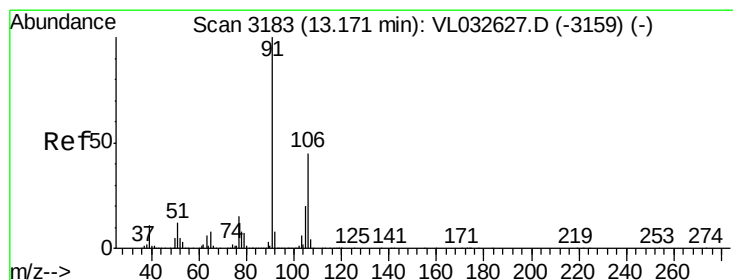
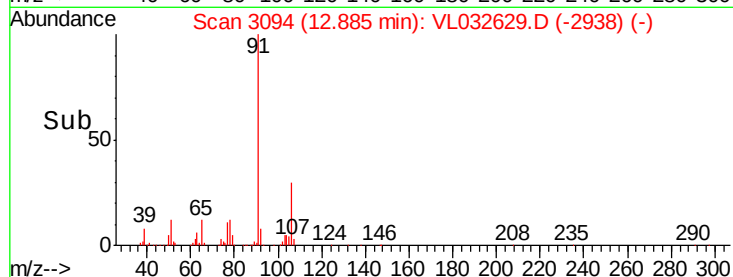
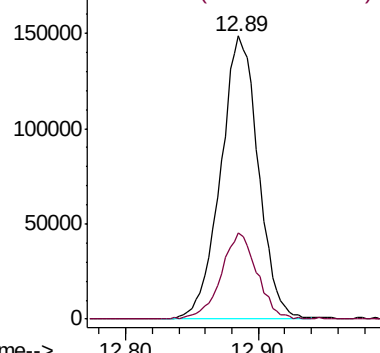
91 100

106 30.3 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.964 ppbv

RT: 13.17 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VL032629.D

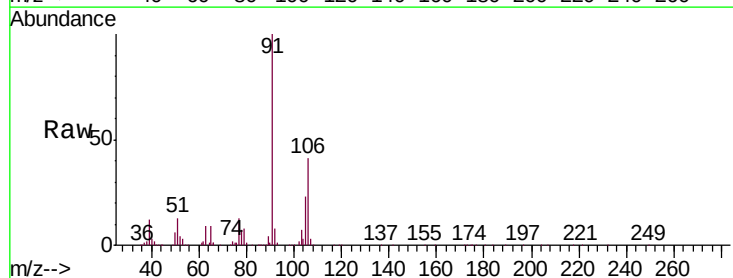
Acq: 17 Oct 2018 4:04

Tgt Ion: 91 Resp: 258224

Ion Ratio Lower Upper

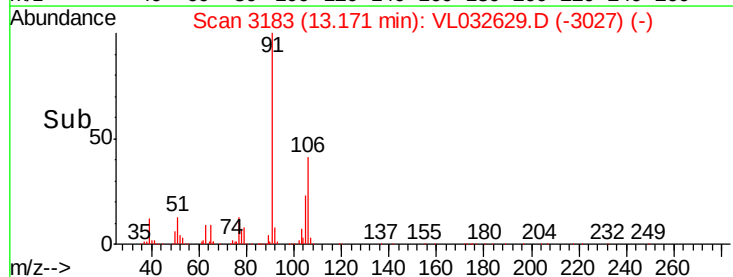
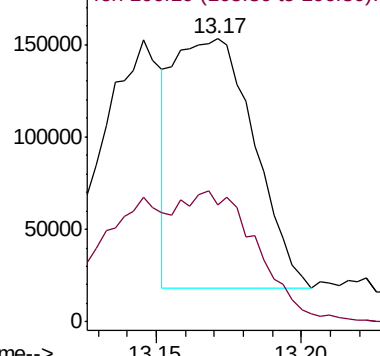
91 100

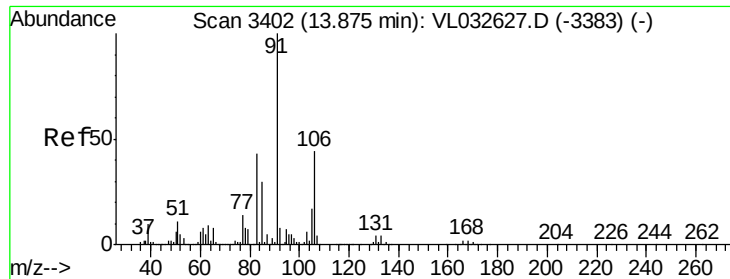
106 95.1 35.9 53.9#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

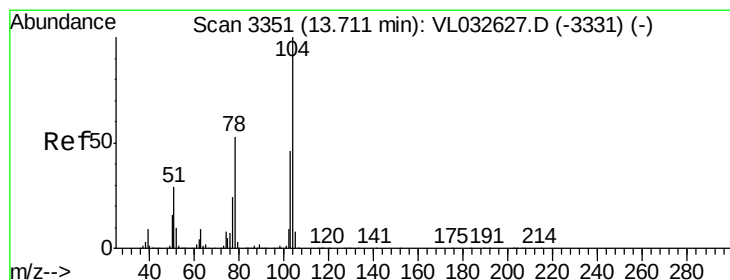
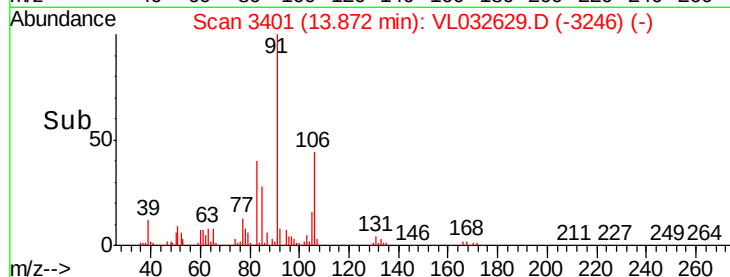
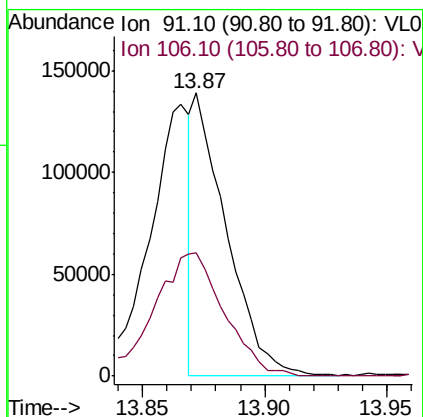
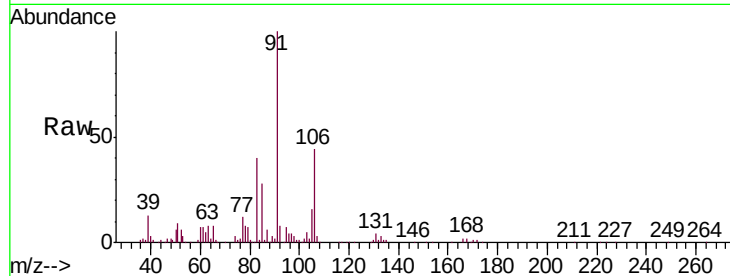




#60
o-Xylene
Concen: 0.492 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

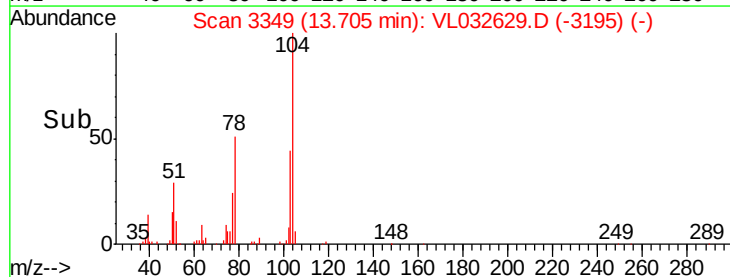
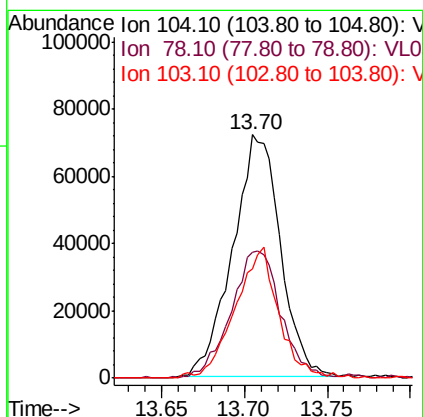
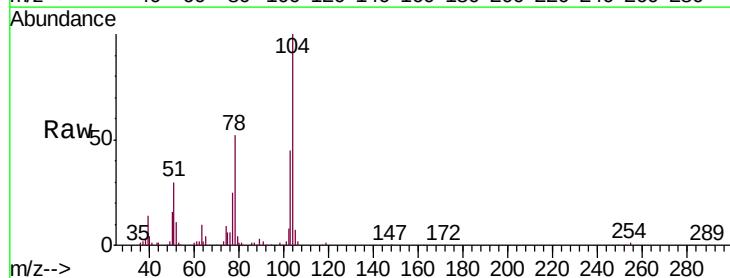
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

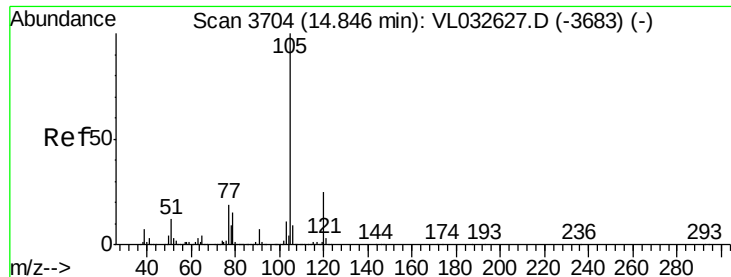
Tgt Ion: 91 Resp: 129926
Ion Ratio Lower Upper
91 100
106 93.6 22.1 66.1#



#61
Styrene
Concen: 0.882 ppbv
RT: 13.70 min Scan# 3349
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 104 Resp: 143111
Ion Ratio Lower Upper
104 100
78 56.0 42.8 64.2
103 49.8 37.4 56.0





#62

Isopropylbenzene

Concen: 1.077 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

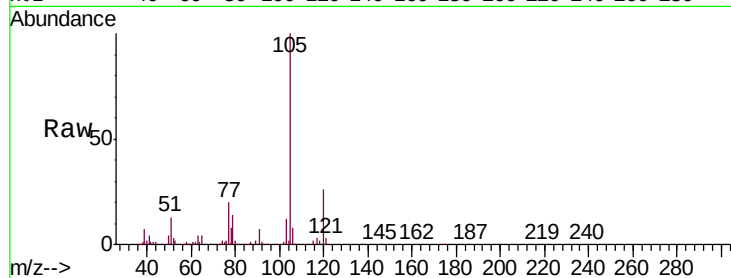
VSTDIC001

Tgt Ion: 105 Resp: 405511

Ion Ratio Lower Upper

105 100

120 24.5 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

200000

150000

100000

50000

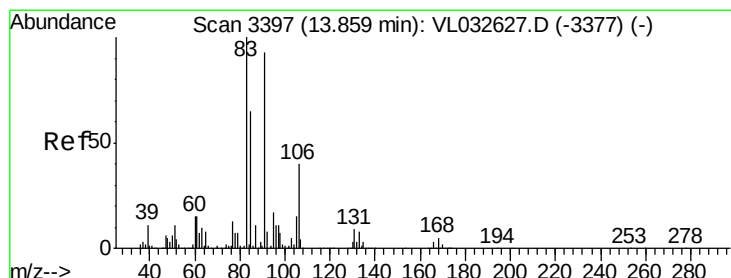
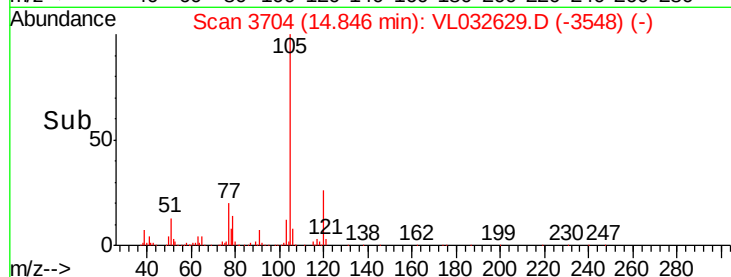
0

14.85

14.80

14.90

Time-->



#63

1,1,2,2-Tetrachloroethane

Concen: 1.097 ppbv

RT: 13.85 min Scan# 3395

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

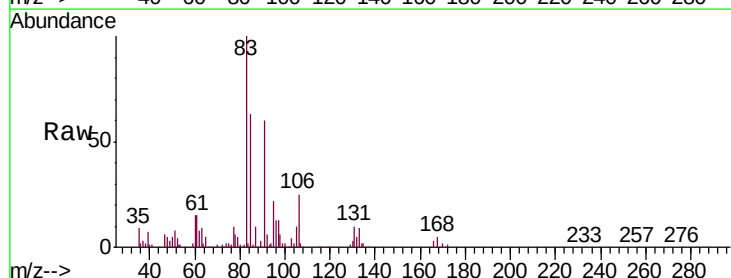
Tgt Ion: 83 Resp: 252367

Ion Ratio Lower Upper

83 100

131 8.4 4.3 12.9

85 65.2 32.3 96.9



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0

150000

100000

50000

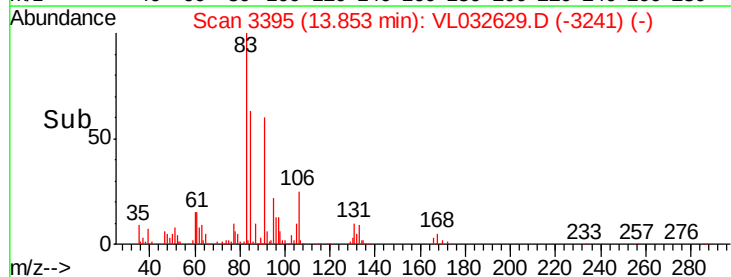
0

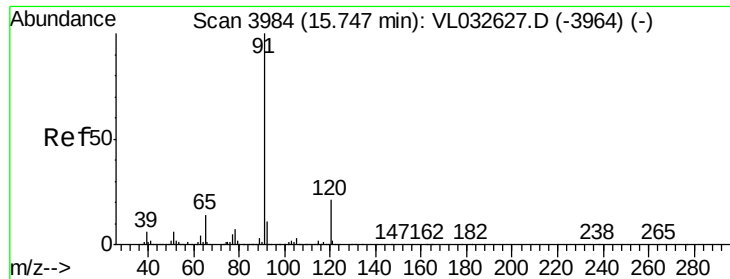
13.85

13.80

13.90

Time-->

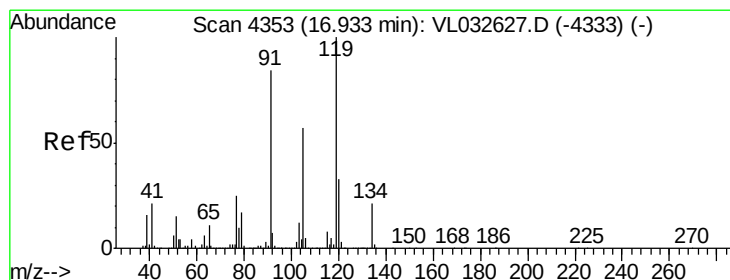
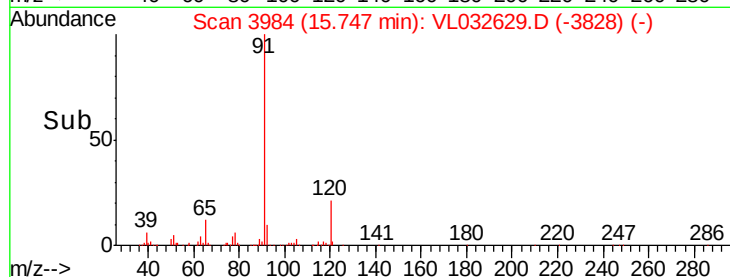
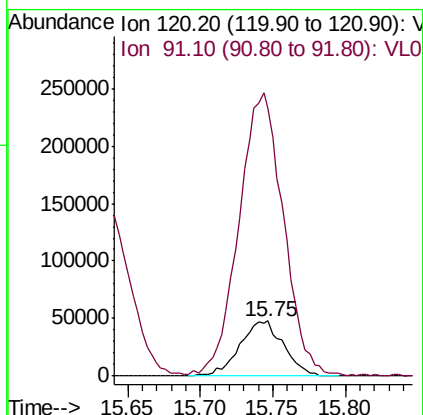
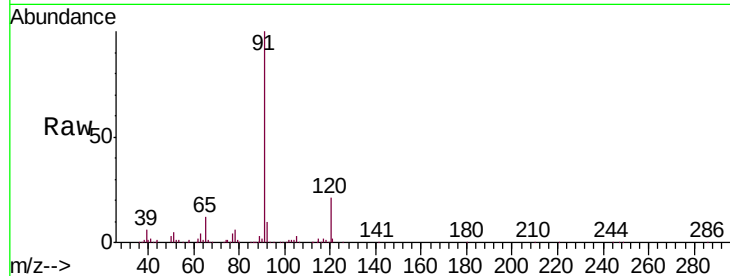




#64
n-propylbenzene
Concen: 1.070 ppbv
RT: 15.75 min Scan# 3984
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

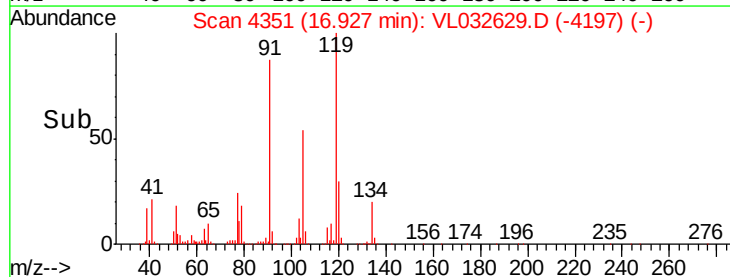
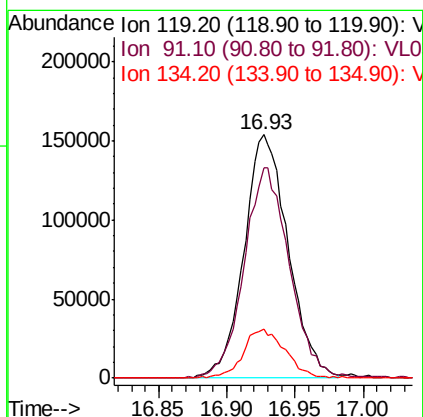
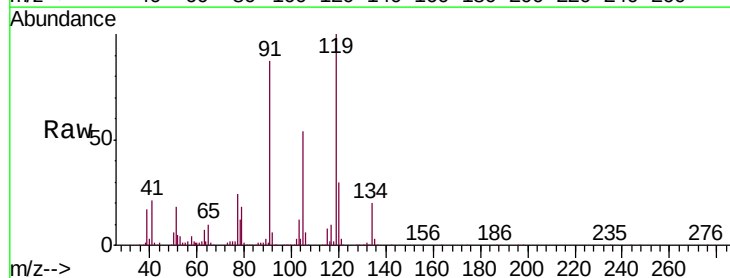
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

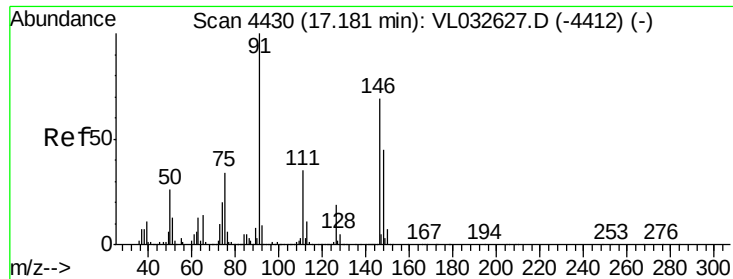
Tgt Ion:120 Resp: 101569
Ion Ratio Lower Upper
120 100
91 520.6 390.2 585.2



#65
tert-Butylbenzene
Concen: 1.085 ppbv
RT: 16.93 min Scan# 4351
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion:119 Resp: 346067
Ion Ratio Lower Upper
119 100
91 89.0 67.8 101.8
134 19.0 15.8 23.8

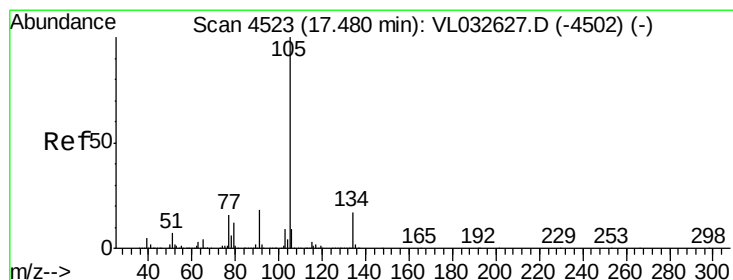
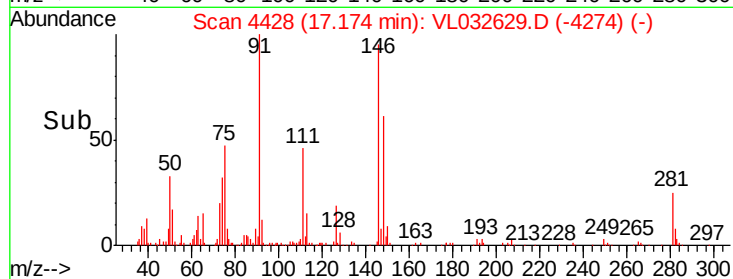
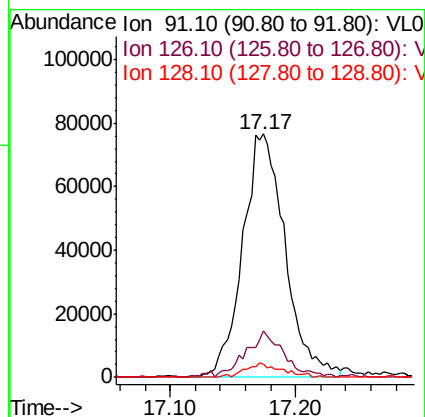
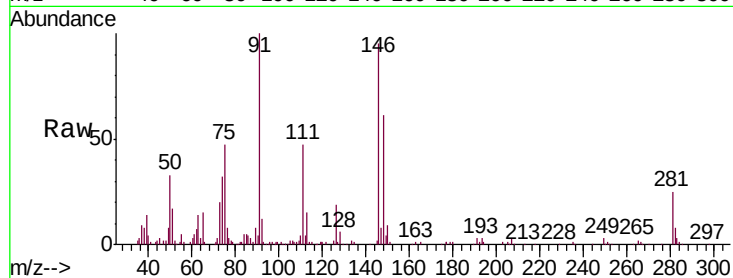




#66
Benzyl Chloride
Concen: 1.026 ppbv
RT: 17.17 min Scan# 4428
Delta R.T. -0.01 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

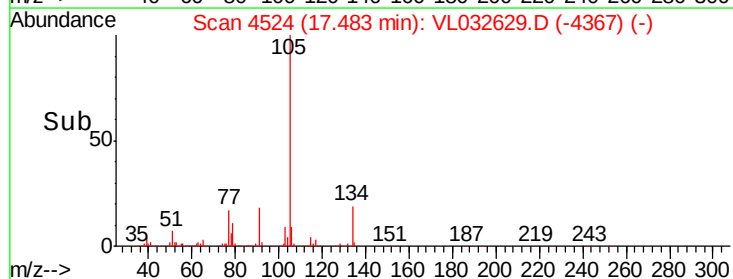
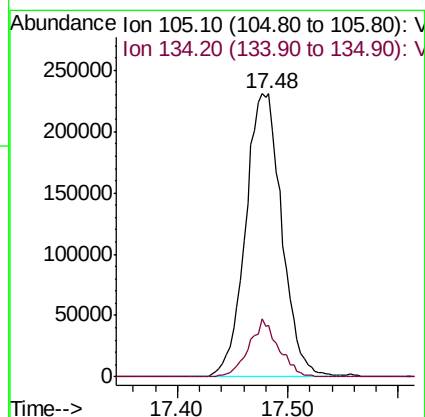
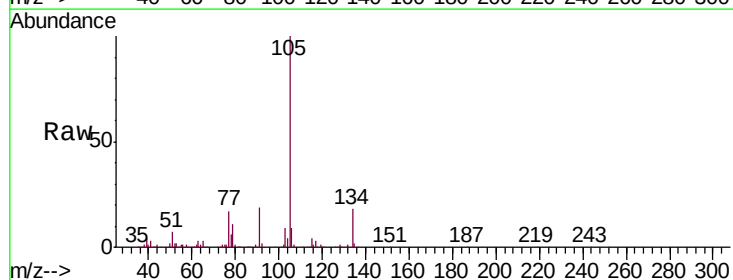
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

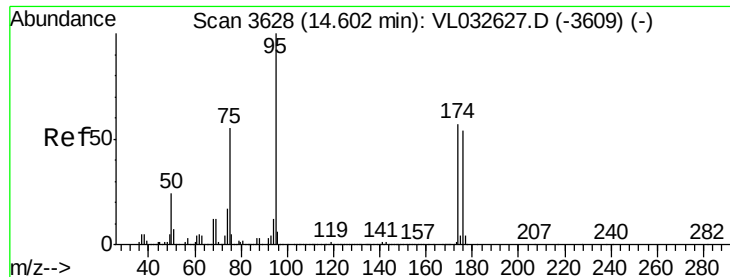
Tgt Ion: 91 Resp: 180456
Ion Ratio Lower Upper
91 100
126 18.0 13.9 20.9
128 5.0 4.3 6.5



#67
sec-Butylbenzene
Concen: 1.107 ppbv
RT: 17.48 min Scan# 4524
Delta R.T. 0.00 min
Lab File: VL032629.D
Acq: 17 Oct 2018 4:04

Tgt Ion: 105 Resp: 526657
Ion Ratio Lower Upper
105 100
134 16.8 14.2 21.2

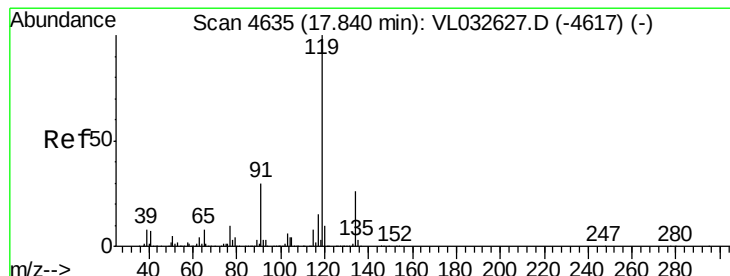
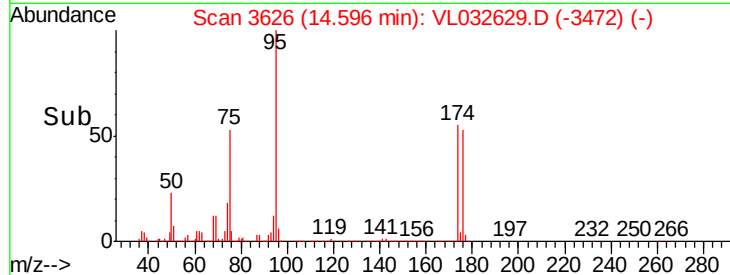
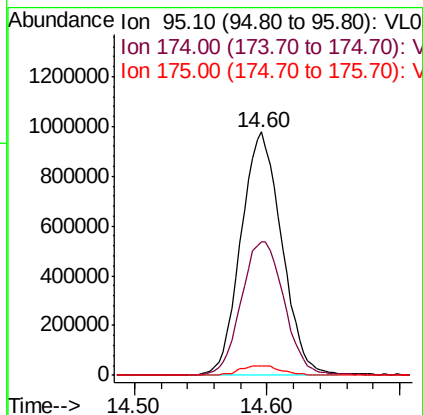
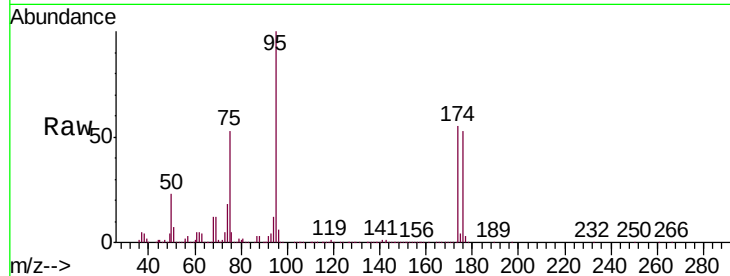




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.267 ppbv
 RT: 14.60 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

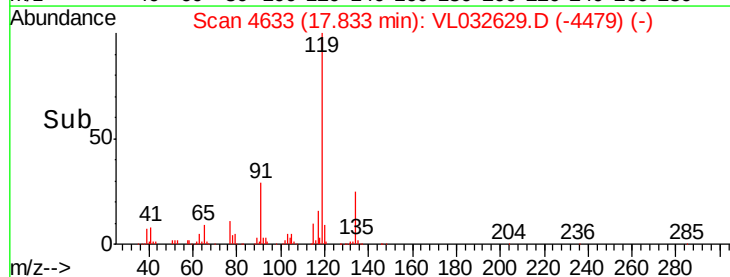
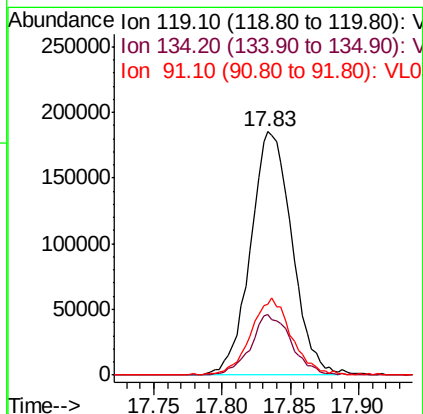
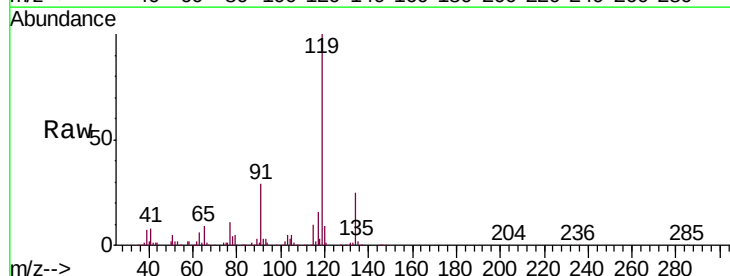
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

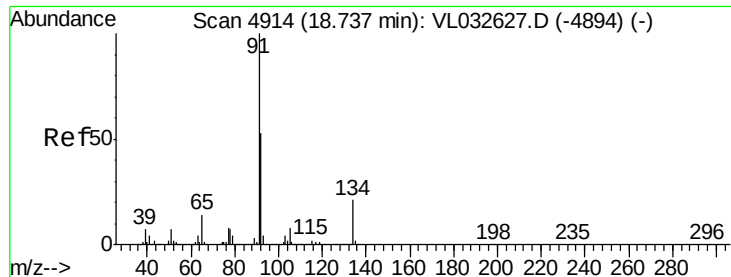
Tgt Ion: 95 Resp: 2085004
 Ion Ratio Lower Upper
 95 100
 174 58.5 46.0 69.0
 175 4.1 3.4 5.0



#69
 p-Isopropyltoluene
 Concen: 1.067 ppbv
 RT: 17.83 min Scan# 4633
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion: 119 Resp: 389440
 Ion Ratio Lower Upper
 119 100
 134 24.6 20.2 30.2
 91 31.6 24.0 36.0





#70

n-Butylbenzene

Concen: 1.076 ppbv

RT: 18.74 min Scan# 4914

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

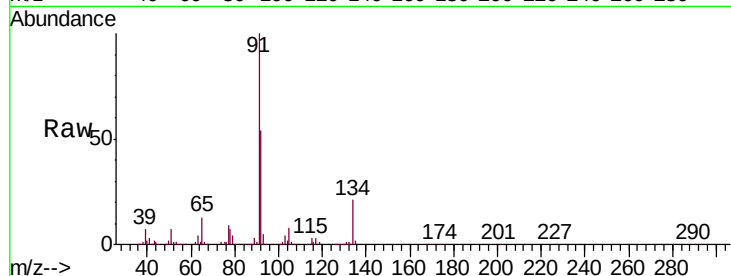
Tgt Ion: 91 Resp: 427775

Ion Ratio Lower Upper

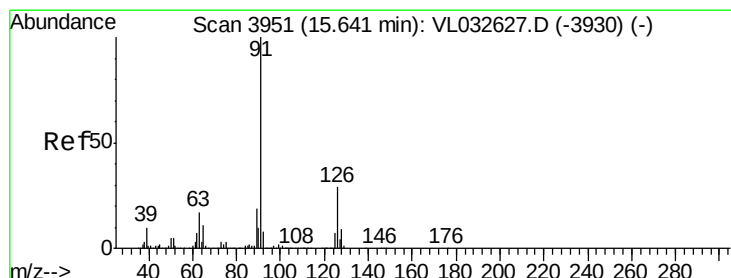
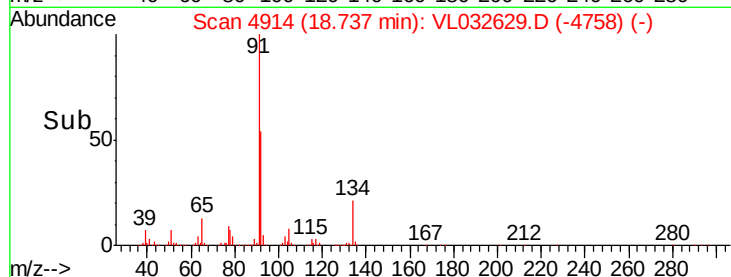
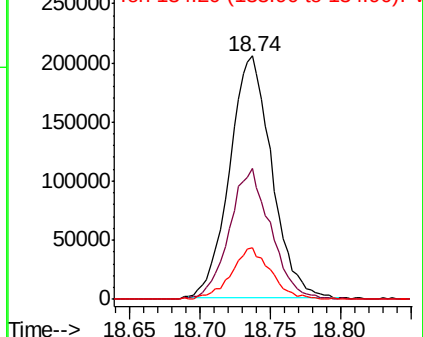
91 100

92 53.3 43.0 64.4

134 20.2 17.0 25.6



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: 1.029 ppbv

RT: 15.64 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VL032629.D

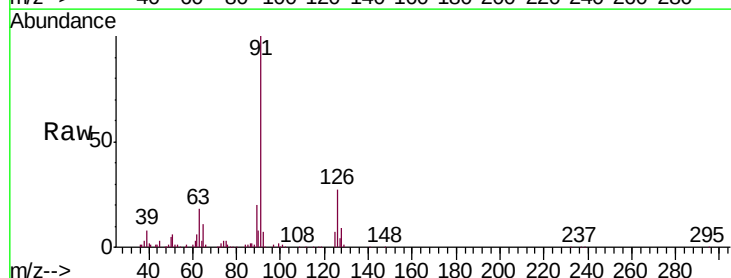
Acq: 17 Oct 2018 4:04

Tgt Ion: 91 Resp: 284795

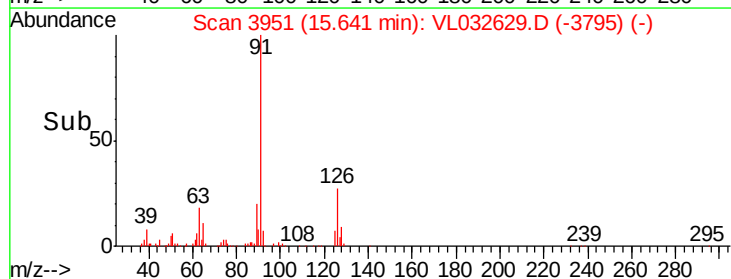
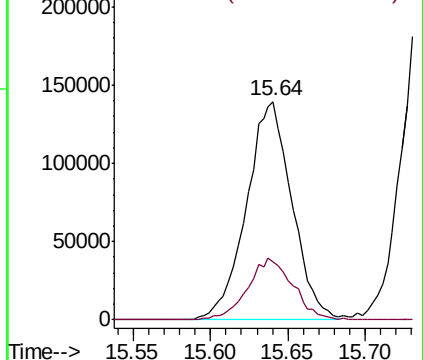
Ion Ratio Lower Upper

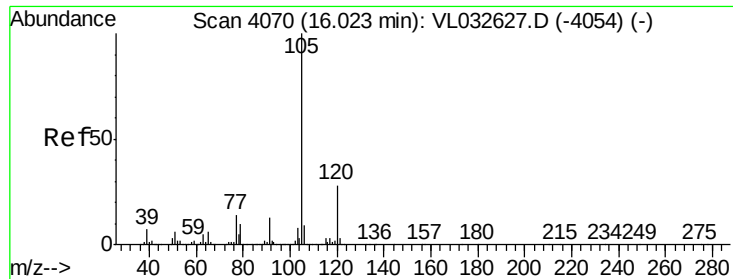
91 100

126 28.4 11.8 47.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V





#72

4-Ethyltoluene

Concen: 1.024 ppbv

RT: 16.02 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

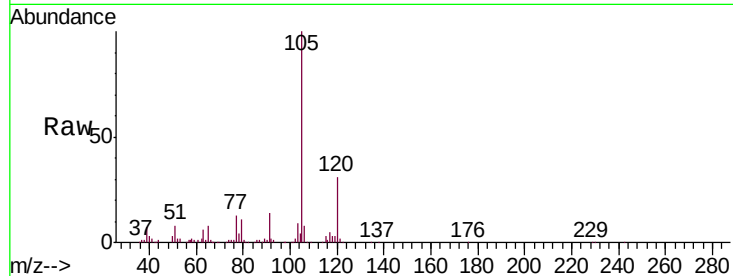
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	292185
Ion Ratio	Lower	Upper	
105	100		
120	29.1	23.7	35.5
91	16.4	10.4	15.6
77	15.7	11.4	17.2

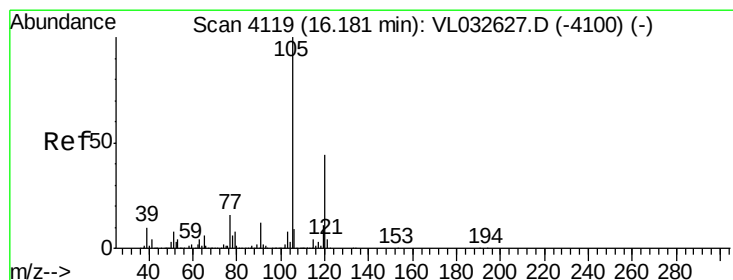
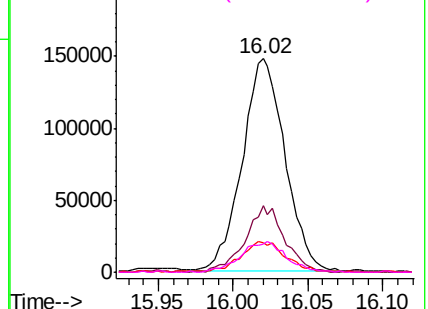
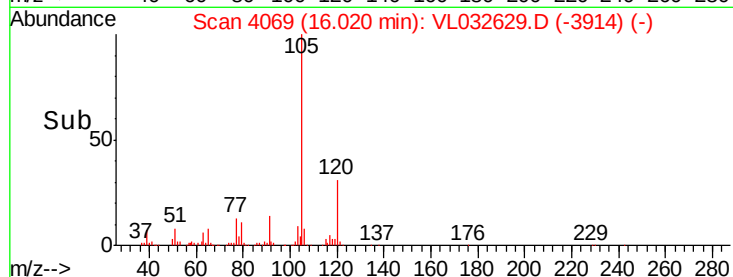


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 1.074 ppbv

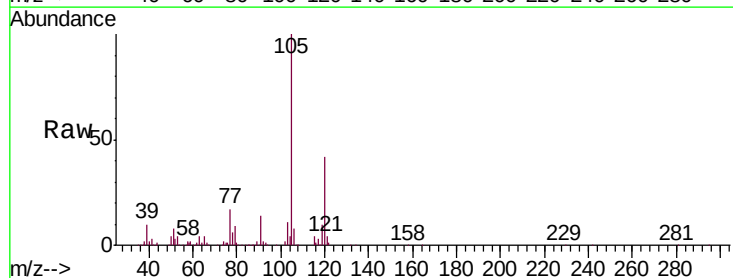
RT: 16.18 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL032629.D

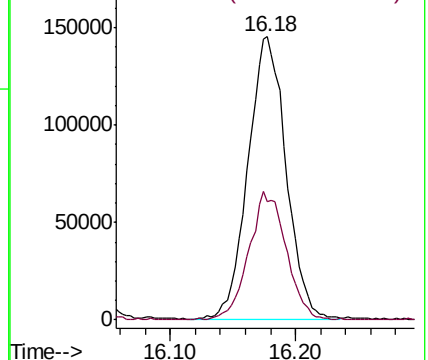
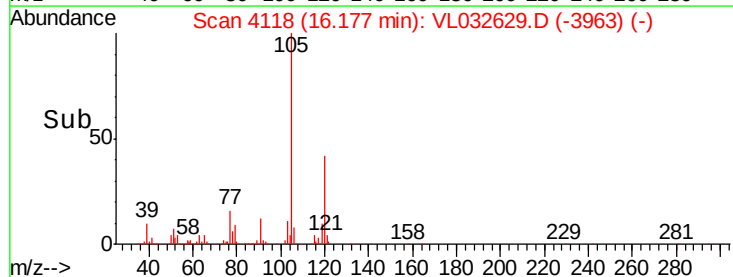
Acq: 17 Oct 2018 4:04

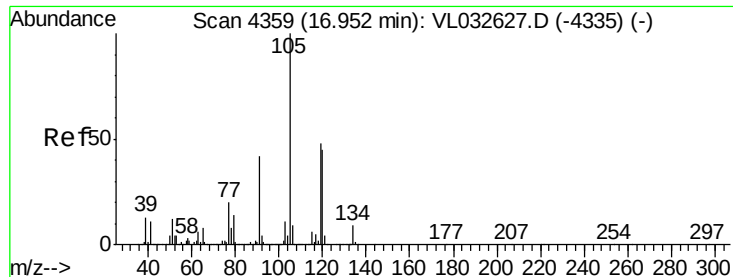
Tgt Ion:	105	Resp:	304805
Ion Ratio	Lower	Upper	
105	100		
120	41.6	35.4	53.2



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: 1.120 ppbv

RT: 16.94 min Scan# 4356

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

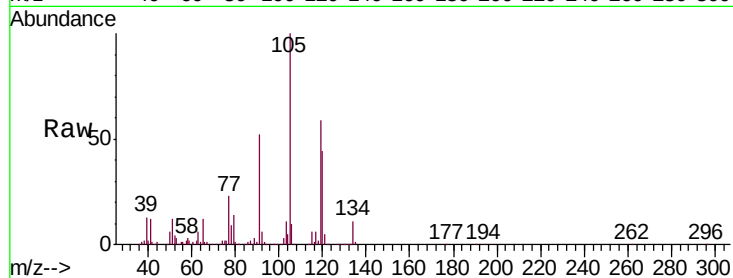
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tgt Ion:	105	Resp:	350639
Ion Ratio	Lower	Upper	
105	100		
120	43.3	35.8	53.8
91	51.3	33.2	49.8
77	23.1	16.2	24.4

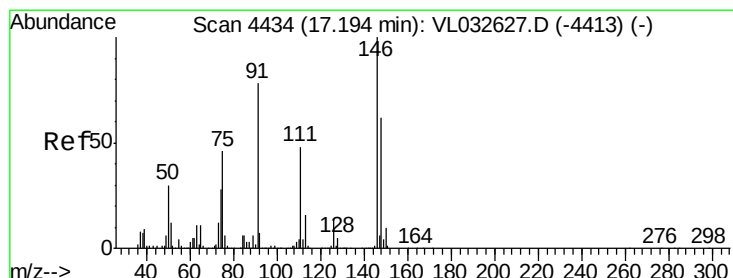
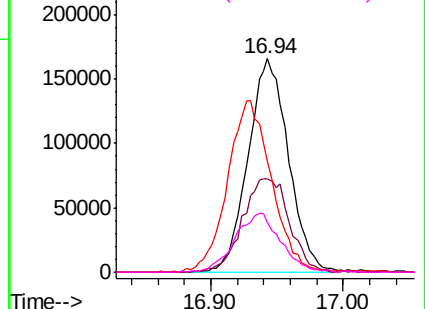
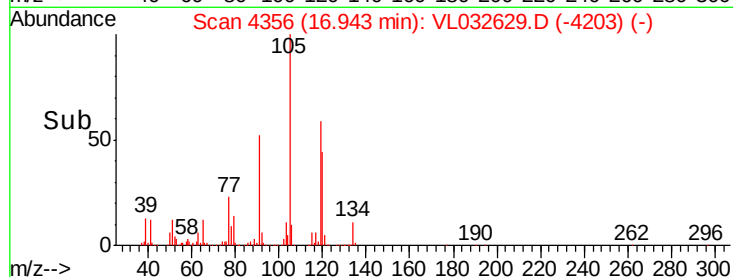


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO



#75

1,3-Dichlorobenzene

Concen: 1.146 ppbv

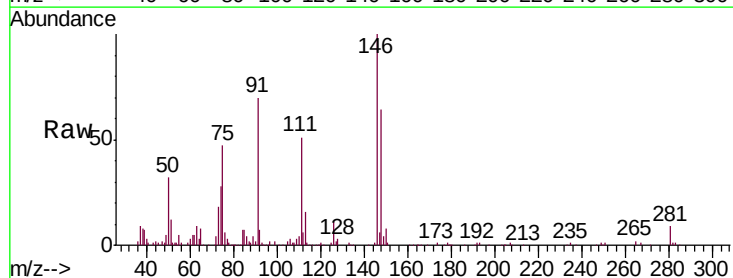
RT: 17.18 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

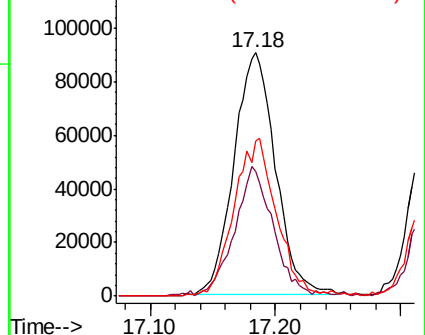
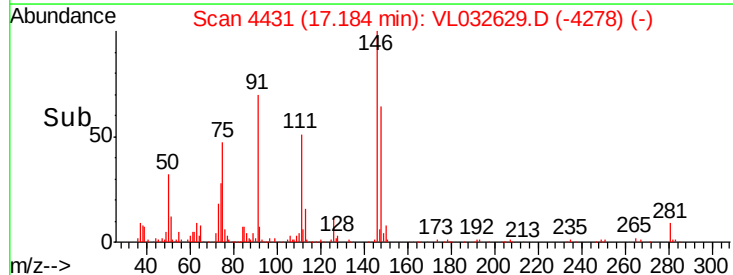
Tgt Ion:	146	Resp:	208519
Ion Ratio	Lower	Upper	
146	100		
111	50.5	24.4	73.2
148	66.9	31.9	95.9

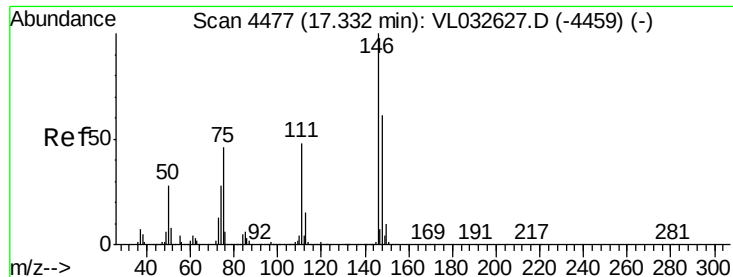


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

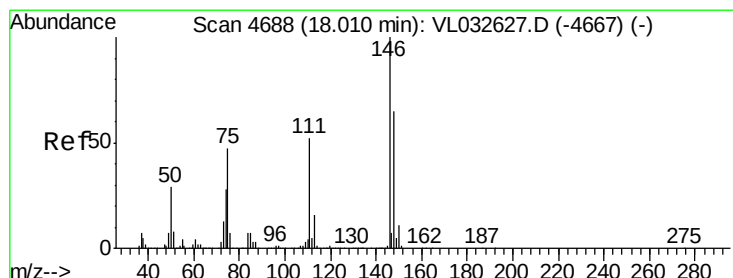
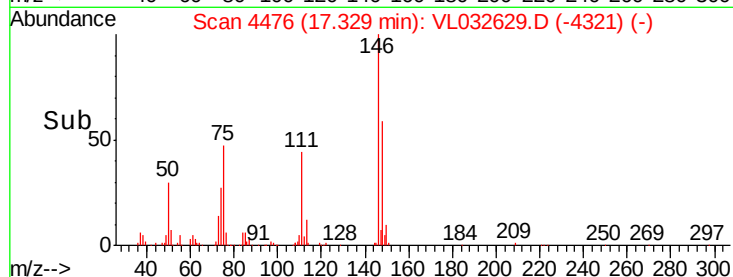
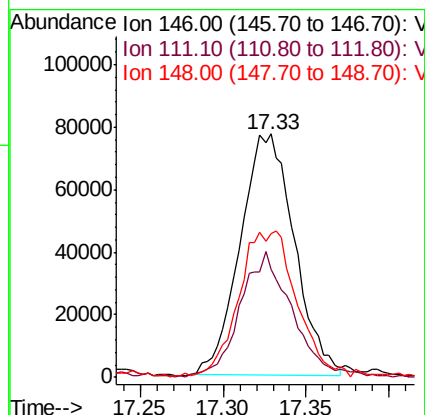
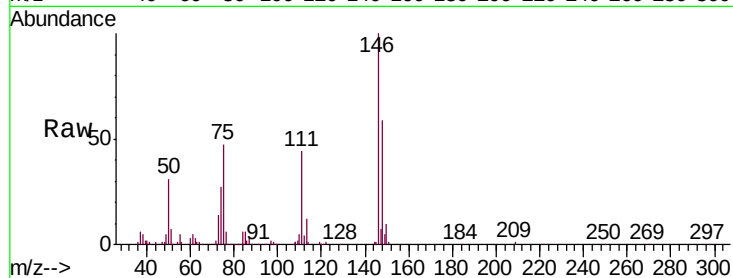




#76
 1,4-Dichlorobenzene
 Concen: 1.064 ppbv
 RT: 17.33 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

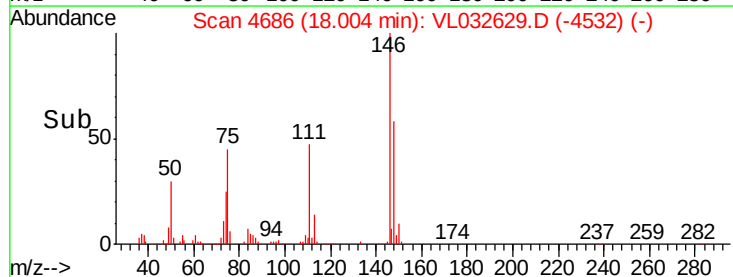
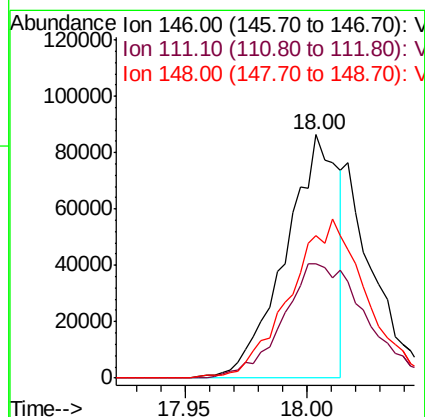
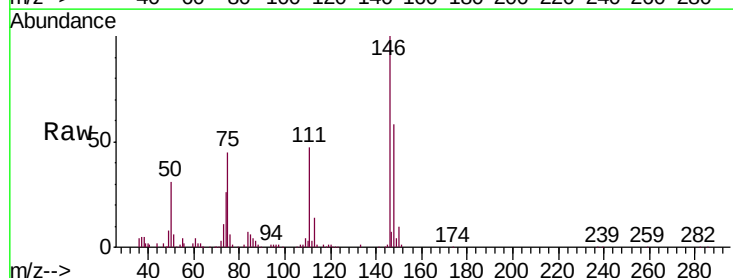
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

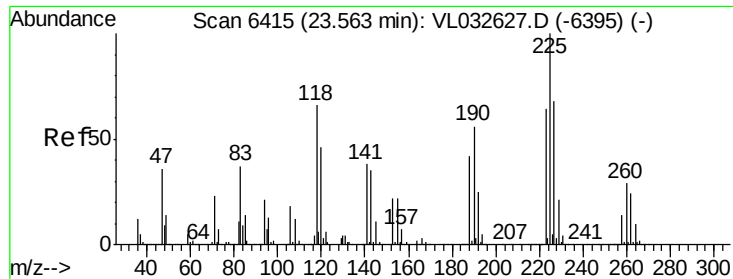
Tgt Ion:146 Resp: 174763
 Ion Ratio Lower Upper
 146 100
 111 50.7 23.7 71.1
 148 65.7 32.1 96.3



#77
 1,2-Dichlorobenzene
 Concen: 0.755 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL032629.D
 Acq: 17 Oct 2018 4:04

Tgt Ion:146 Resp: 129047
 Ion Ratio Lower Upper
 146 100
 111 75.5 25.3 75.8
 148 0.0 31.9 95.9#





#78

Hexachloro-1,3-Butadiene

Concen: 0.768 ppbv

RT: 23.56 min Scan# 6414

Delta R.T. -0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

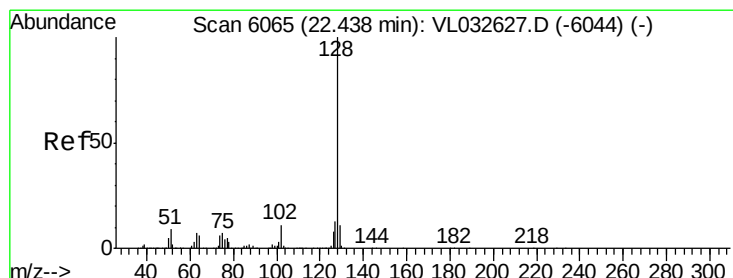
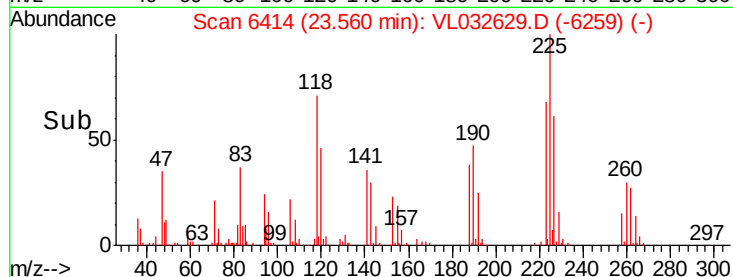
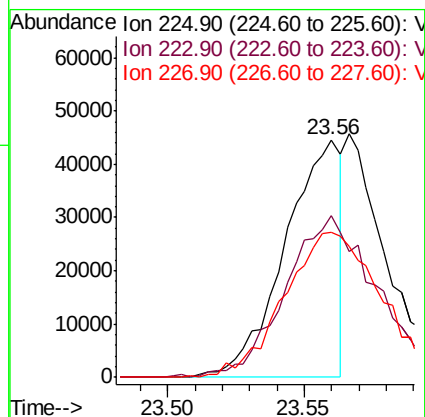
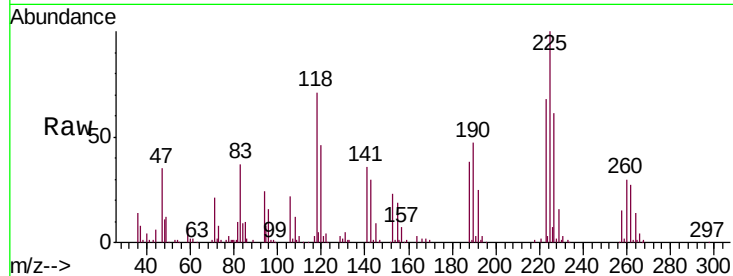
Tgt Ion:225 Resp: 63617

Ion Ratio Lower Upper

225 100

223 110.3 50.7 76.1#

227 105.5 50.7 76.1#



#79

Naphthalene

Concen: 0.935 ppbv

RT: 22.44 min Scan# 6065

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

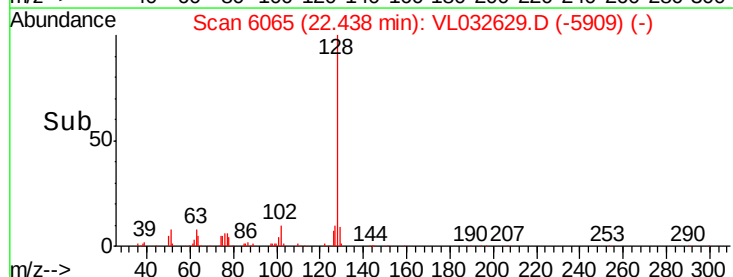
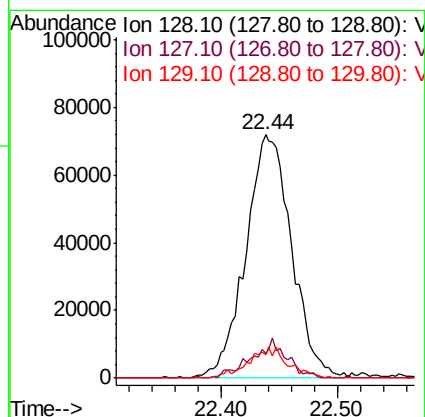
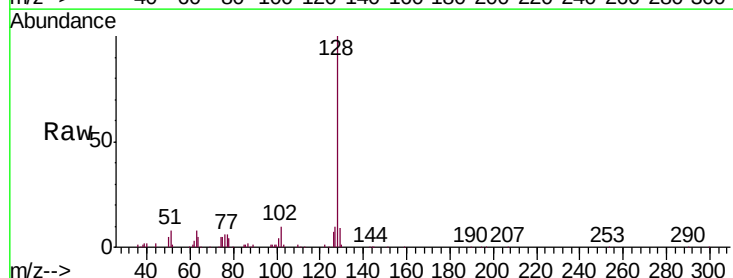
Tgt Ion:128 Resp: 197348

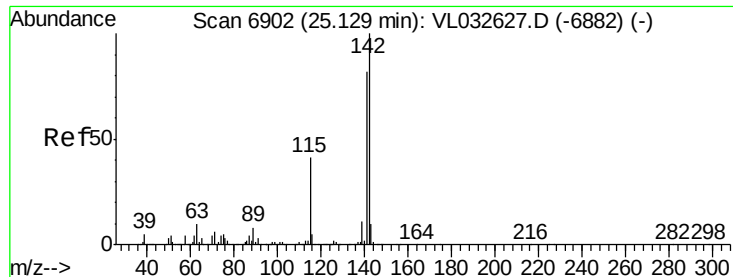
Ion Ratio Lower Upper

128 100

127 10.2 10.3 15.5#

129 9.4 8.6 13.0





#80

Naphthalene, 2-methyl-

Concen: 0.555 ppbv

RT: 25.14 min Scan# 6904

Delta R.T. 0.01 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

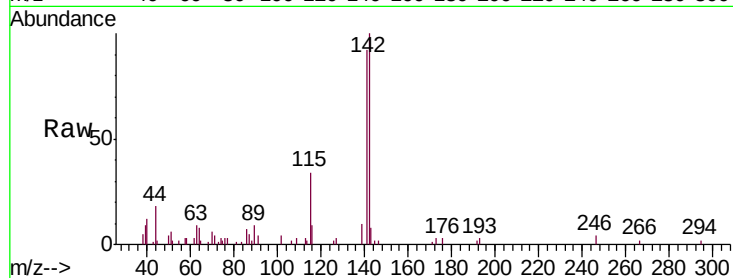
Tgt Ion:142 Resp: 22802

Ion Ratio Lower Upper

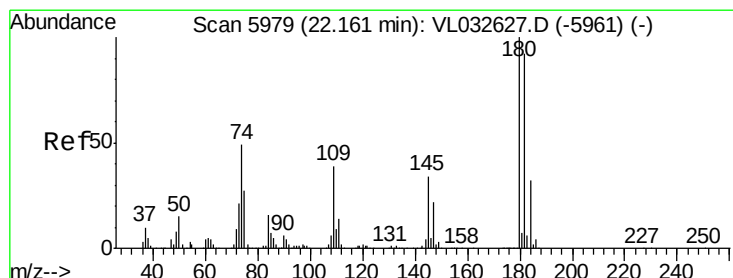
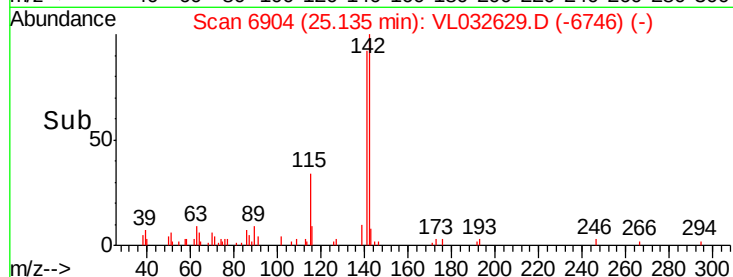
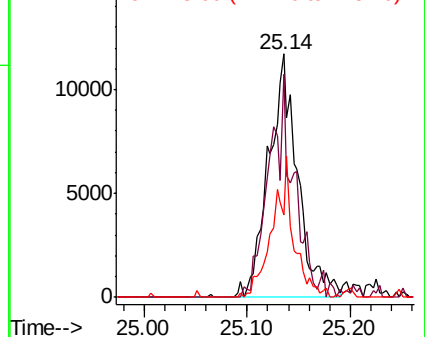
142 100

141 81.5 67.5 101.3

115 41.6 33.5 50.3



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: 0.587 ppbv

RT: 22.16 min Scan# 5979

Delta R.T. 0.00 min

Lab File: VL032629.D

Acq: 17 Oct 2018 4:04

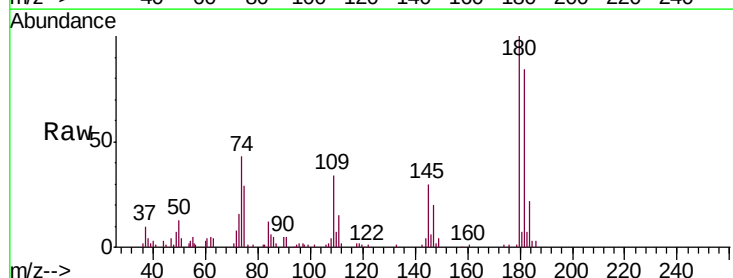
Tgt Ion:180 Resp: 61277

Ion Ratio Lower Upper

180 100

182 163.4 76.5 114.7#

184 0.0 24.7 37.1#



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

