

Data File : VL032631.D
Acq On : 17 Oct 2018 5:19
Operator : SY/AP
Sample : VSTDIC0.1
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Quant Time: Oct 17 06:44:27 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	1238979	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2682350	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2579221	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	1981299	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

Target Compounds

						Qvalue
3) Chlorodifluoromethane	3.03	51	11104	0.107	ppbv	97
4) Chloromethane	3.18	50	2086	0.037	ppbv	89
5) Vinyl Chloride	3.31	62	5427	0.095	ppbv #	77
6) Bromomethane	3.53	94	2846	0.079	ppbv	93
7) Chloroethane	3.61	64	1312	0.059	ppbv #	80
8) Dichlorotetrafluoroethane	3.24	85	16913	0.121	ppbv	93
9) Propene	3.05	41	3750	0.097	ppbv	87
11) Trichlorofluoromethane	4.02	101	12793	0.084	ppbv	86
12) 1,1,2-Trichlorotrifluoroet	4.56	101	5976	0.053	ppbv #	17
13) Ethanol	3.68	45	627	0.058	ppbv #	46
14) Bromoethene	3.80	108	3278	0.077	ppbv #	72
15) Acetone	3.95	43	18807	0.173	ppbv	93
16) 1,3-Butadiene	3.38	39	3168	0.073	ppbv #	63
20) Methylene Chloride	4.43	84	8648	0.173	ppbv #	90
21) Allyl Chloride	4.49	41	3503	0.042	ppbv #	19
22) trans-1,2-Dichloroethene	4.98	96	6950	0.118	ppbv #	66
23) Vinyl Acetate	5.18	43	5482	0.032	ppbv #	88
24) 1,1-Dichloroethane	5.10	63	16051	0.106	ppbv #	90
25) Ethyl Acetate	5.80	43	21553	0.085	ppbv #	93
26) Hexane	5.80	57	10547	0.091	ppbv	90
27) Carbon Disulfide	4.64	76	14432	0.105	ppbv #	32
28) Methyl tert-Butyl Ether	5.16	73	10173	0.075	ppbv	97
29) Chloroform	5.87	83	22096	0.112	ppbv	87
31) cis-1,2-Dichloroethene	5.66	61	8640	0.079	ppbv #	82
32) 1,1,1-Trichloroethane	6.63	97	21037	0.110	ppbv	100
35) Carbon Tetrachloride	7.15	117	18889	0.098	ppbv	86
36) Benzene	7.02	78	6523	0.031	ppbv #	81
37) 1,2-Dichloroethane	6.44	62	8334	0.059	ppbv #	73
38) Trichloroethene	7.97	130	4153	0.053	ppbv #	42
39) 1,2-Dichloropropane	7.31	63	719423	8.288	ppbv	26
42) Bromodichloromethane	7.94	83	20086	0.102	ppbv #	83
44) 2,2,4-Trimethylpentane	8.01	57	13439	0.036	ppbv #	38
45) t-1,3-Dichloropropene	9.43	75	4543	0.044	ppbv	90
46) cis-1,3-Dichloropropene	8.85	75	6808	0.058	ppbv #	68
47) 1,1,2-Trichloroethane	9.62	97	4005	0.039	ppbv #	63
48) Dibromochloromethane	10.47	129	6957	0.041	ppbv #	1
49) Bromoform	13.23	173	8081	0.062	ppbv #	74
54) 1,2-Dibromoethane	10.78	107	8302	0.058	ppbv #	72
57) Chlorobenzene	12.32	112	19833	0.101	ppbv #	64
61) Styrene	13.70	104	5869	0.038	ppbv #	72
62) Isopropylbenzene	14.85	105	22327	0.062	ppbv #	73

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Quantitation Report (Not Reviewed)

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QLast Update : Wed Oct 17 05:31:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,1,2,2-Tetrachloroethane	13.86	83	21253	0.096	ppbv	92
75) 1,3-Dichlorobenzene	17.19	146	5450	0.031	ppbv #	23
76) 1,4-Dichlorobenzene	17.33	146	5796	0.037	ppbv #	23
77) 1,2-Dichlorobenzene	18.01	146	5848	0.036	ppbv #	18
78) Hexachloro-1,3-Butadiene	23.56	225	2716	0.034	ppbv #	1
80) Naphthalene,2-methyl-	25.14	142	1473	0.037	ppbv #	80

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

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Operator : SY/AP

Sample : VSTDICC0.1

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

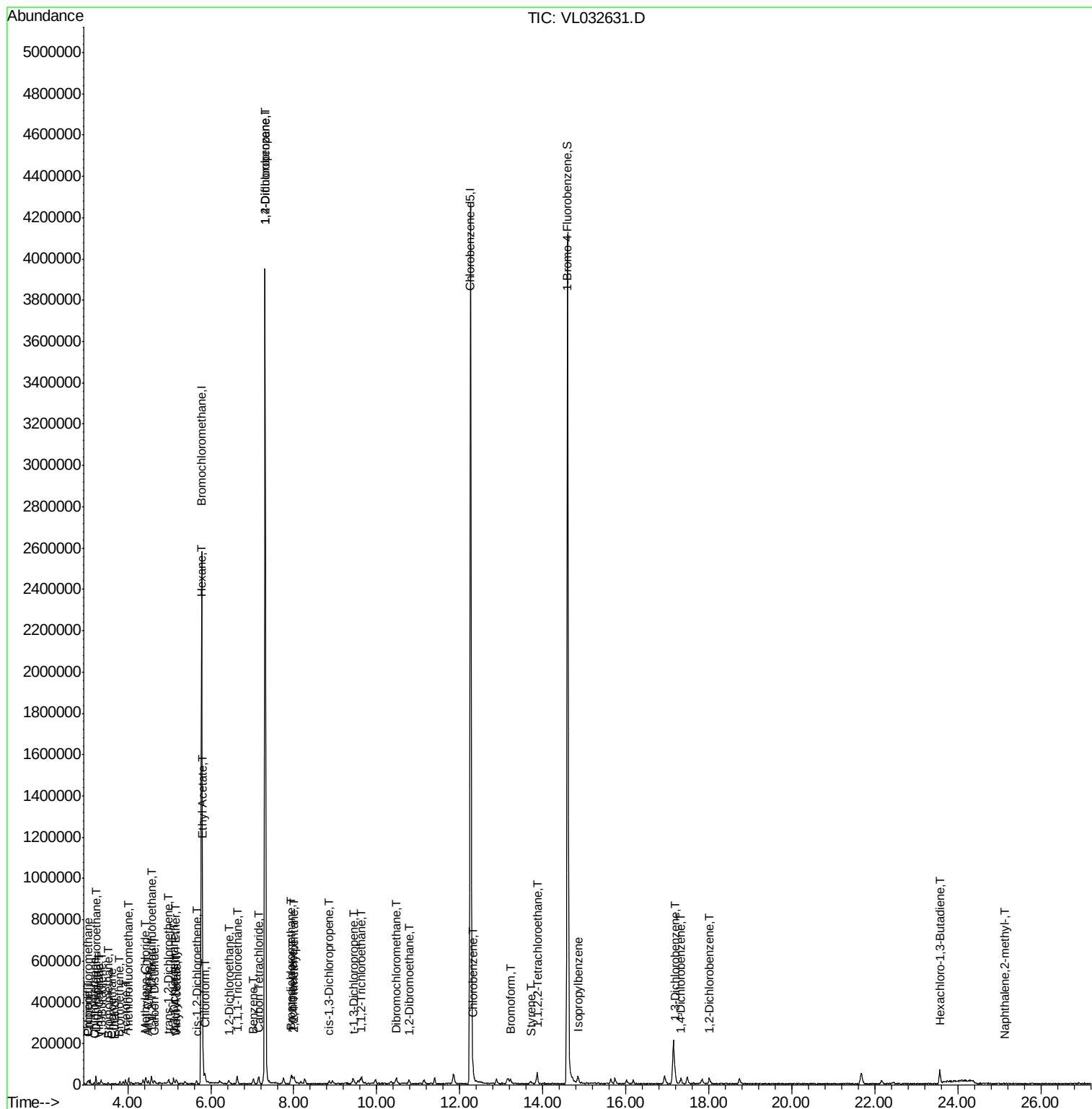
Quant Time: Oct 17 06:44:27 2018

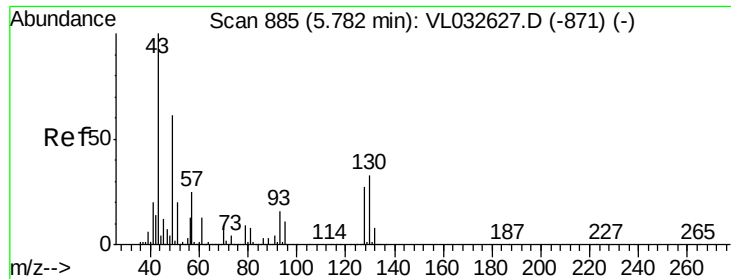
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL101718AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Oct 17 05:31:40 2018

QLast Update : Wed Oct 17 05:31:40 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032631.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

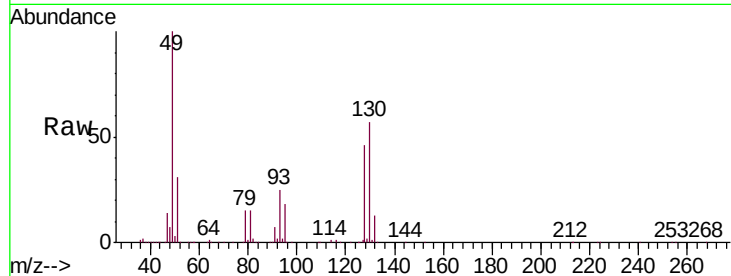
Tgt Ion: 49 Resp: 1238979

Ion Ratio Lower Upper

49 100

128 46.2 22.3 66.8

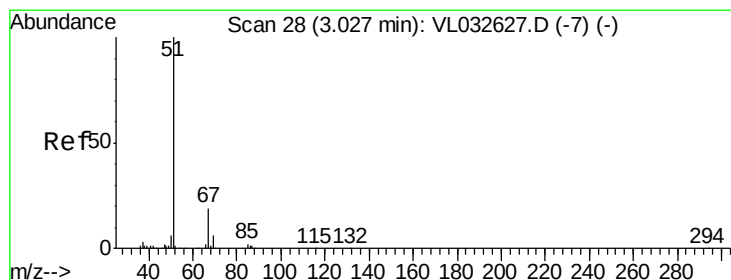
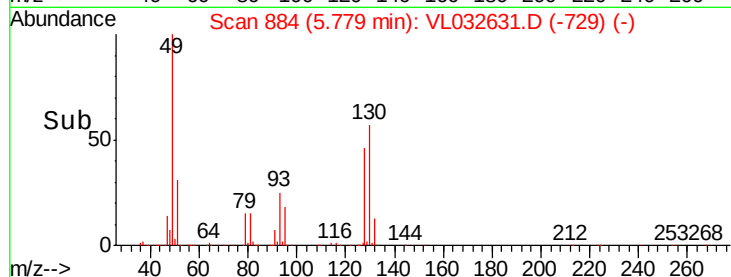
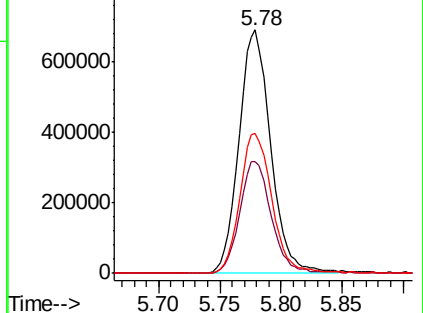
130 58.8 28.4 85.3



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



#3

Chlorodifluoromethane

Concen: 0.107 ppbv

RT: 3.03 min Scan# 29

Delta R.T. 0.00 min

Lab File: VL032631.D

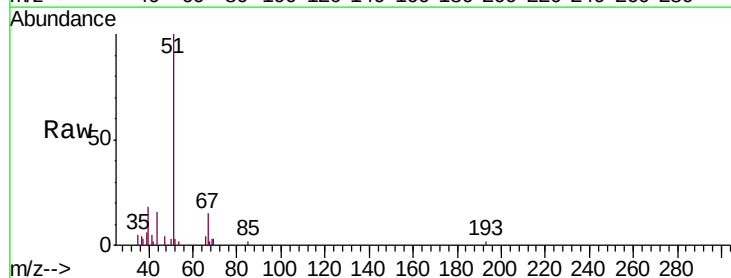
Acq: 17 Oct 2018 5:19

Tgt Ion: 51 Resp: 11104

Ion Ratio Lower Upper

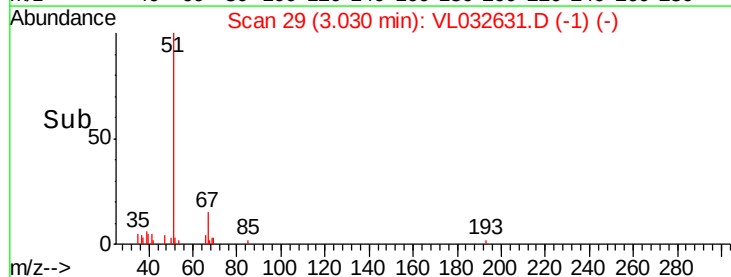
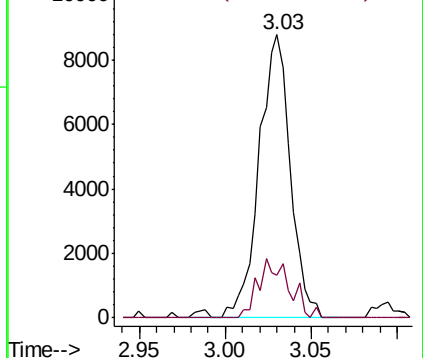
51 100

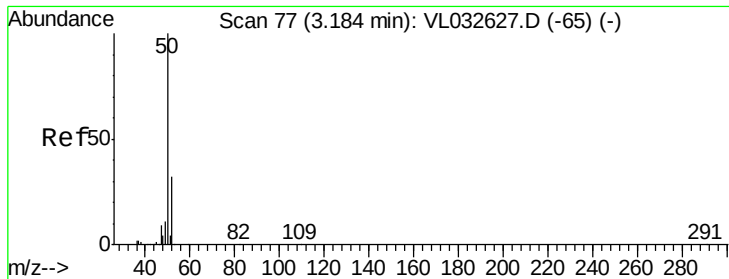
67 20.5 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.037 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

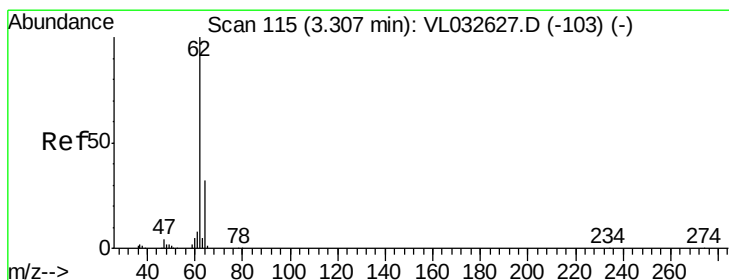
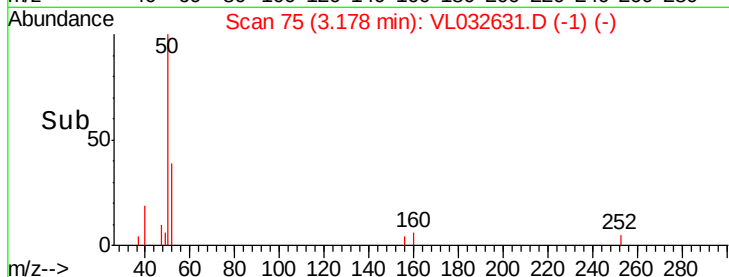
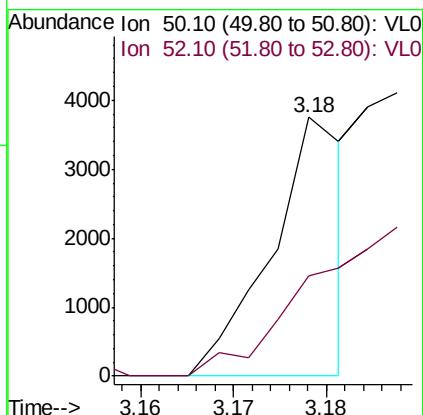
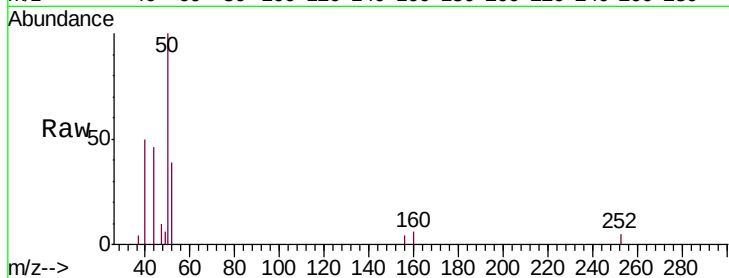
VSTDIC0.1

Tgt Ion: 50 Resp: 2086

Ion Ratio Lower Upper

50 100

52 38.6 25.9 38.9



#5

Vinyl Chloride

Concen: 0.095 ppbv

RT: 3.31 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL032631.D

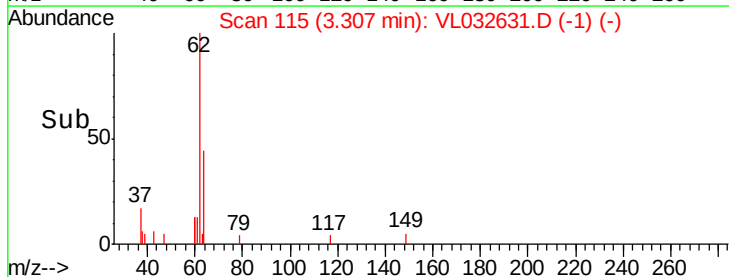
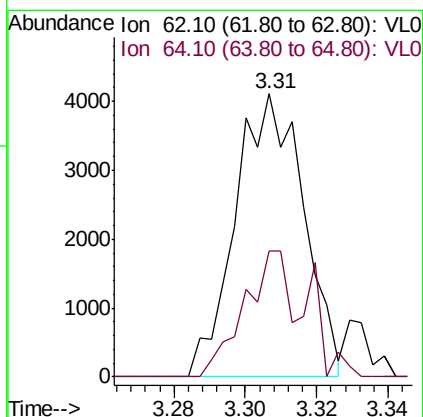
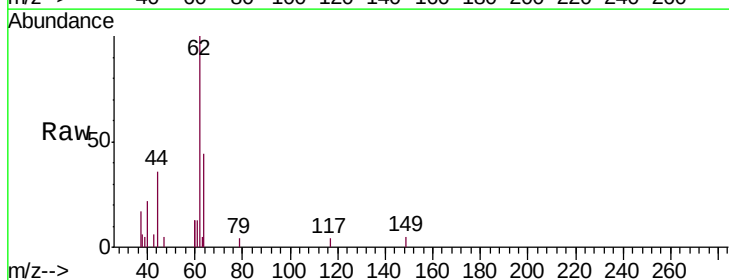
Acq: 17 Oct 2018 5:19

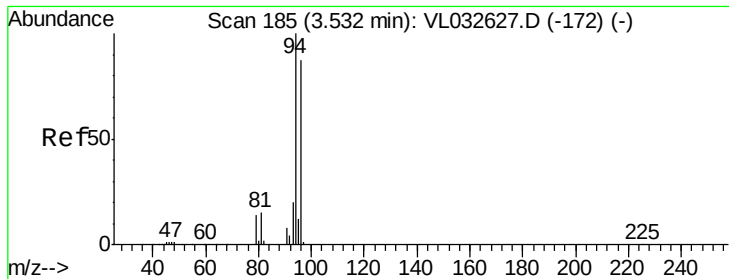
Tgt Ion: 62 Resp: 5427

Ion Ratio Lower Upper

62 100

64 44.5 25.5 38.3#





#6

Bromomethane

Concen: 0.079 ppbv

RT: 3.53 min Scan# 185

Delta R.T. 0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

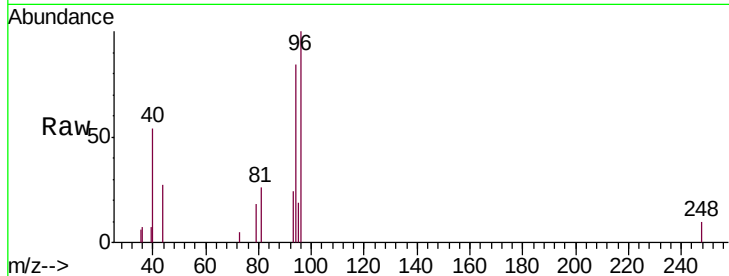
VSTDIC0.1

Tgt Ion: 94 Resp: 2846

Ion Ratio Lower Upper

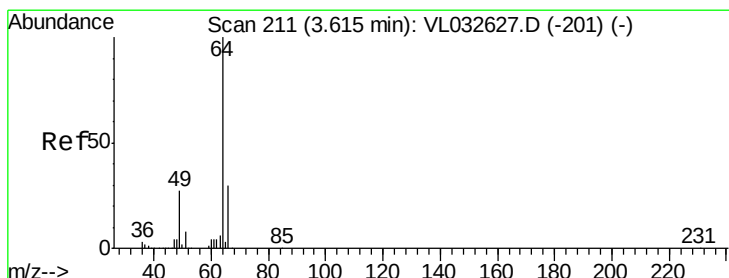
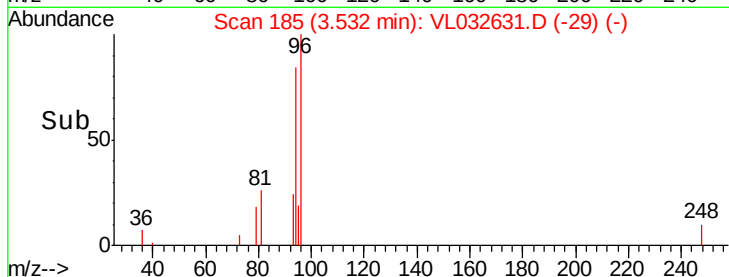
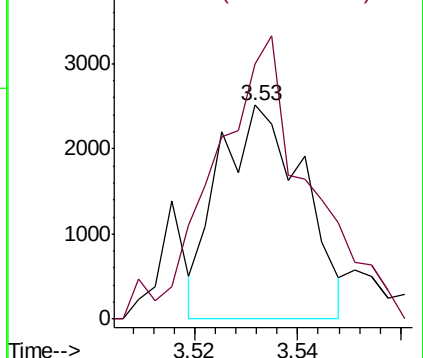
94 100

96 94.1 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



#7

Chloroethane

Concen: 0.059 ppbv

RT: 3.61 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL032631.D

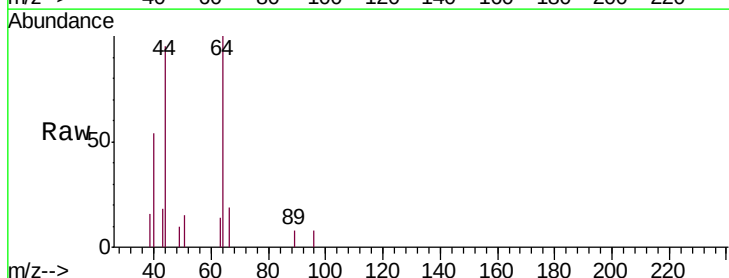
Acq: 17 Oct 2018 5:19

Tgt Ion: 64 Resp: 1312

Ion Ratio Lower Upper

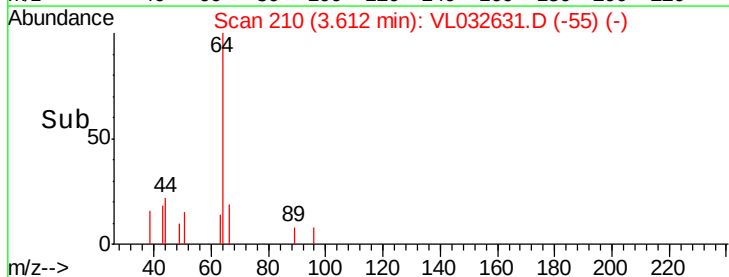
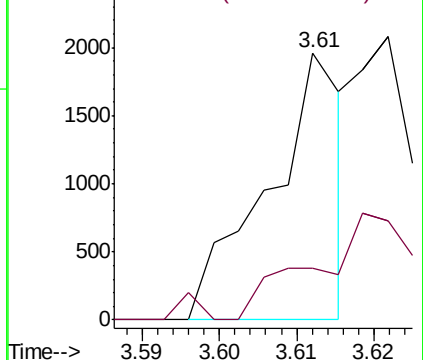
64 100

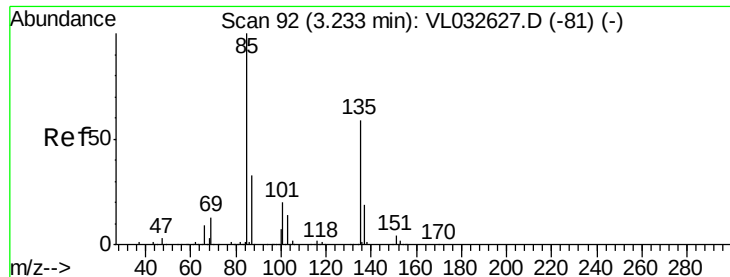
66 19.3 24.4 36.6#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.121 ppbv

RT: 3.24 min Scan# 94

Delta R.T. 0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

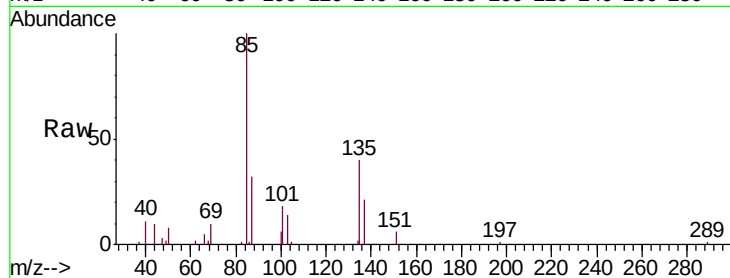
VSTDIC0.1

Tgt Ion: 85 Resp: 16913

Ion Ratio Lower Upper

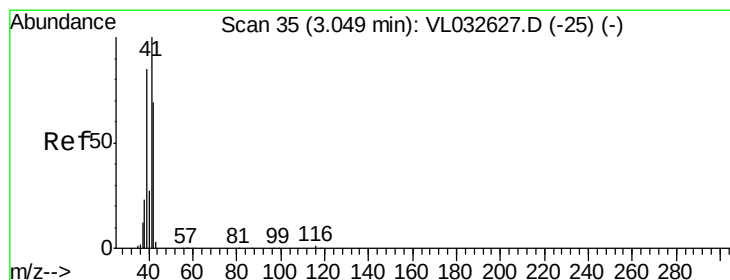
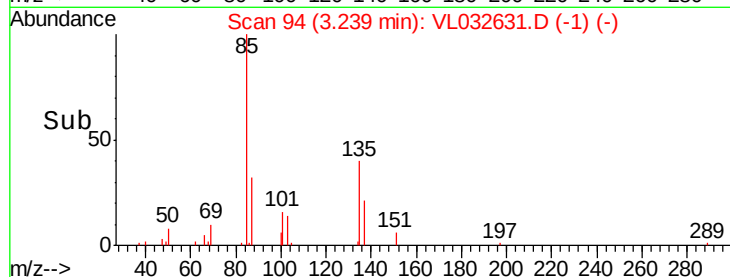
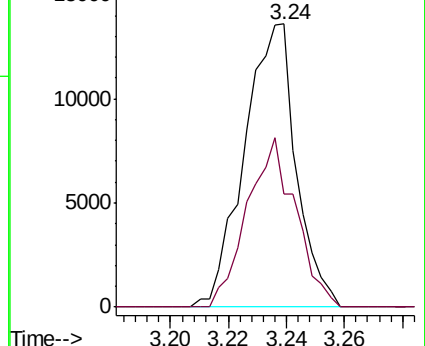
85 100

135 55.6 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: 0.097 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL032631.D

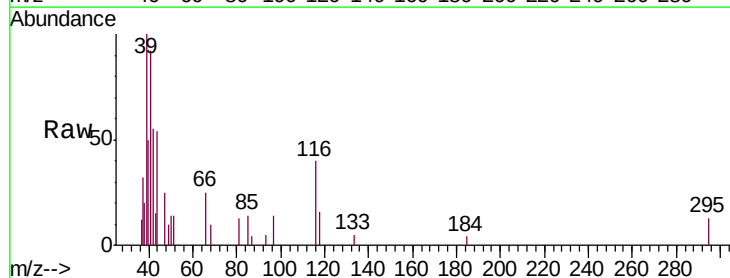
Acq: 17 Oct 2018 5:19

Tgt Ion: 41 Resp: 3750

Ion Ratio Lower Upper

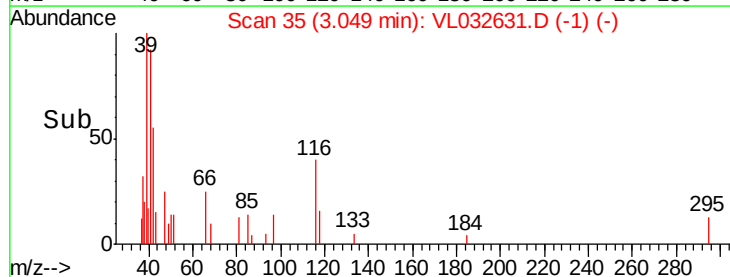
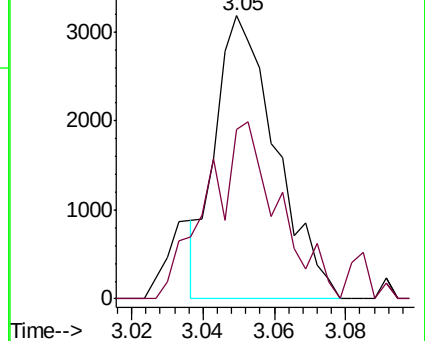
41 100

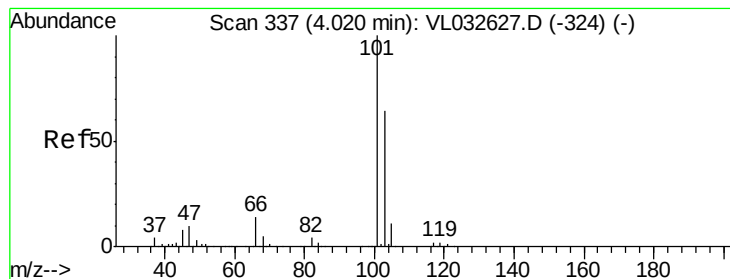
42 80.1 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.084 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

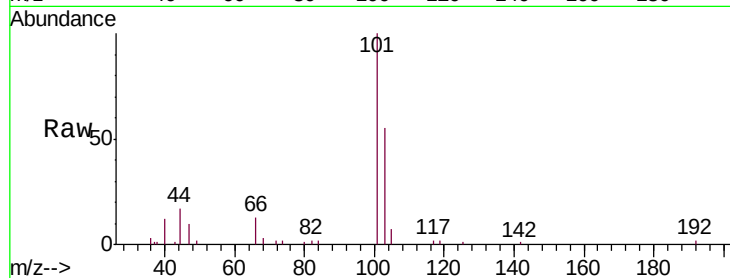
VSTDIC0.1

Tgt Ion:101 Resp: 12793

Ion Ratio Lower Upper

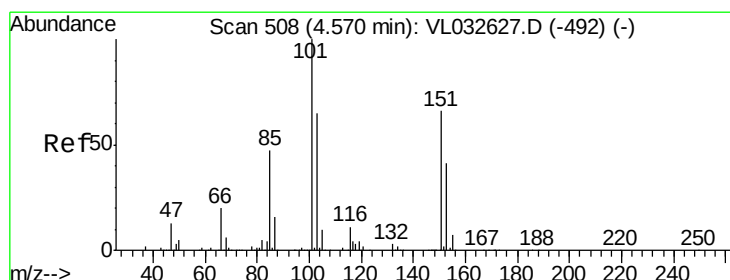
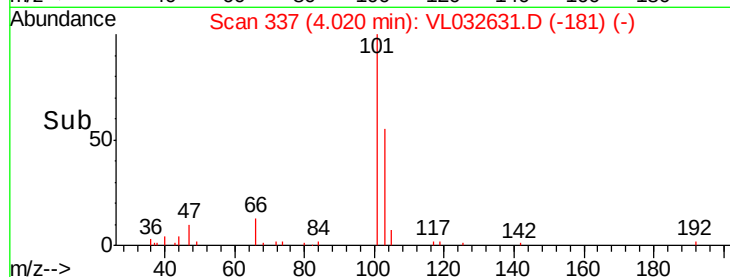
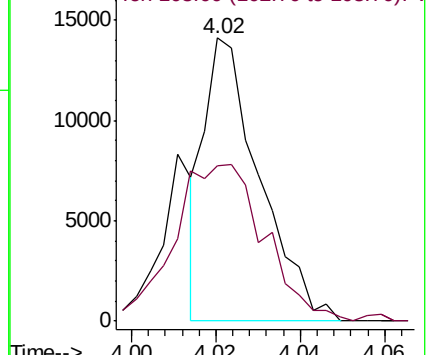
101 100

103 53.1 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: 0.053 ppbv

RT: 4.56 min Scan# 506

Delta R.T. -0.01 min

Lab File: VL032631.D

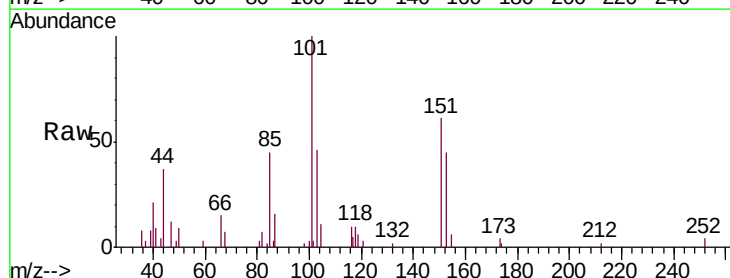
Acq: 17 Oct 2018 5:19

Tgt Ion:101 Resp: 5976

Ion Ratio Lower Upper

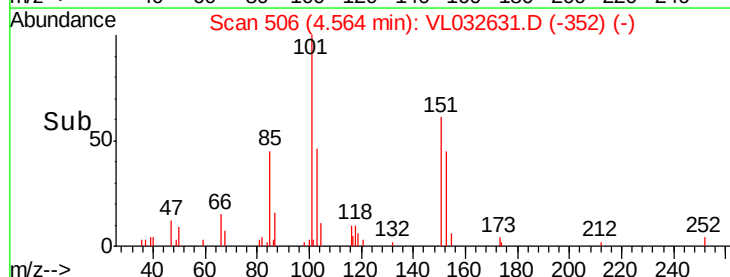
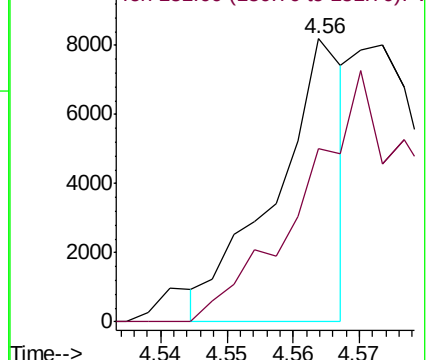
101 100

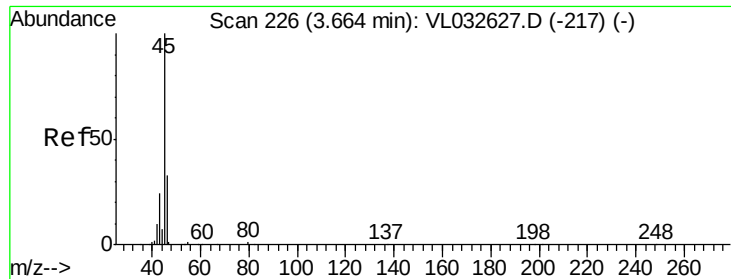
151 0.0 52.3 78.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

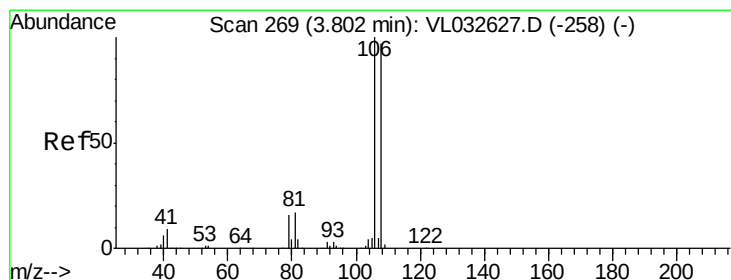
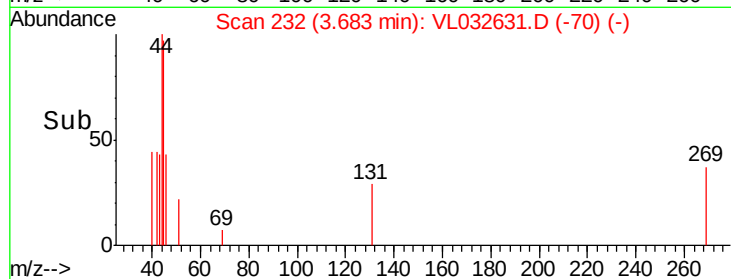
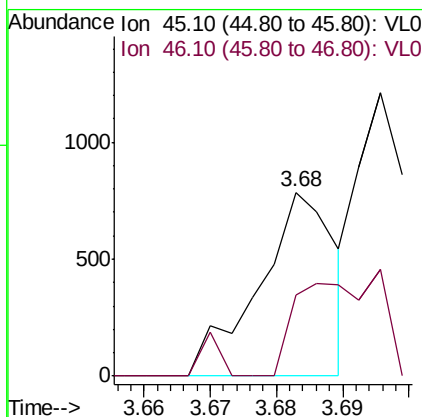
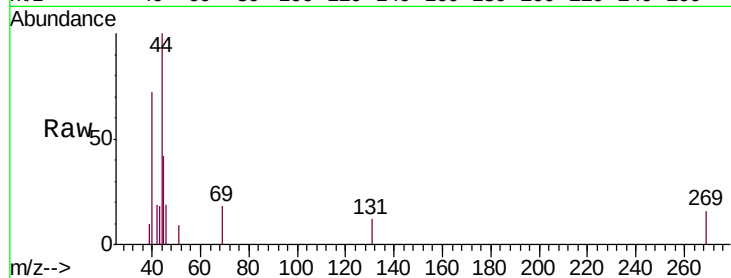




#13
Ethanol
Concen: 0.058 ppbv
RT: 3.68 min Scan# 232
Delta R.T. 0.02 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

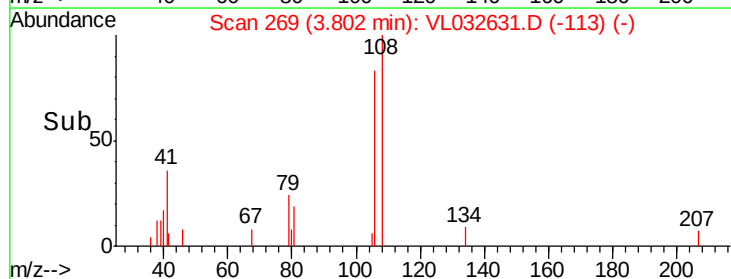
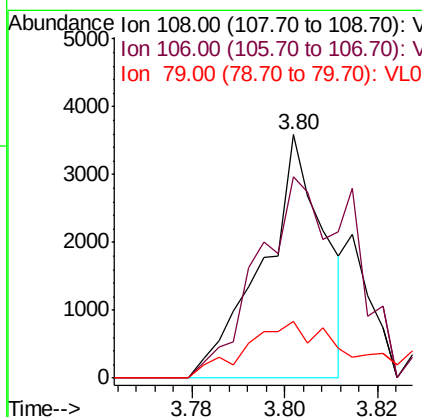
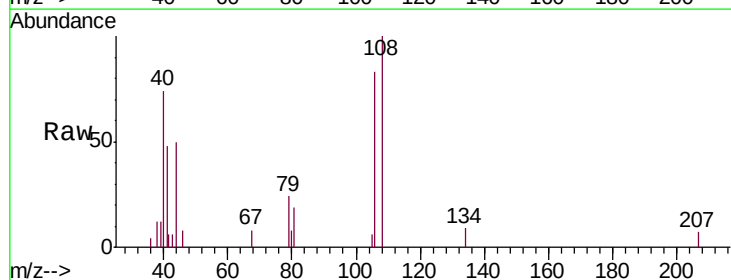
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

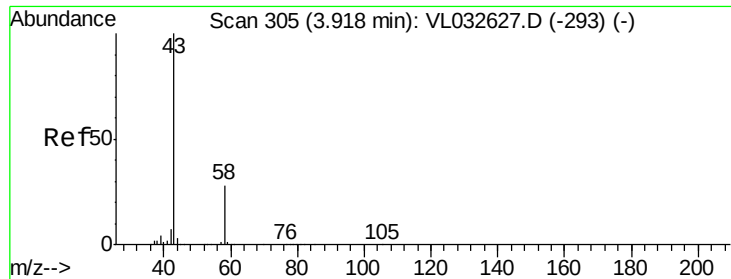
Tgt Ion: 45 Resp: 627
Ion Ratio Lower Upper
45 100
46 5.9 15.4 61.8#



#14
Bromoethene
Concen: 0.077 ppbv
RT: 3.80 min Scan# 269
Delta R.T. 0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Tgt Ion: 108 Resp: 3278
Ion Ratio Lower Upper
108 100
106 130.9 85.0 127.4#
79 39.6 13.7 20.5#





#15

Acetone

Concen: 0.173 ppbv

RT: 3.95 min Scan# 314

Delta R.T. 0.03 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

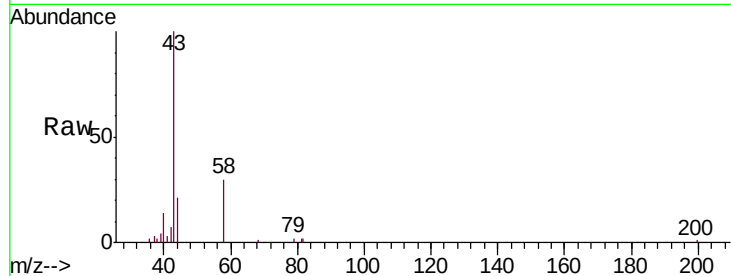
VSTDIC0.1

Tgt Ion: 43 Resp: 18807

Ion Ratio Lower Upper

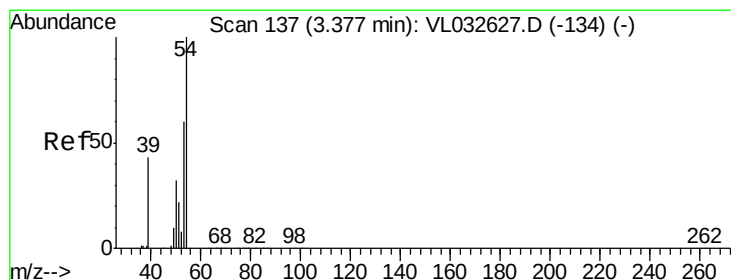
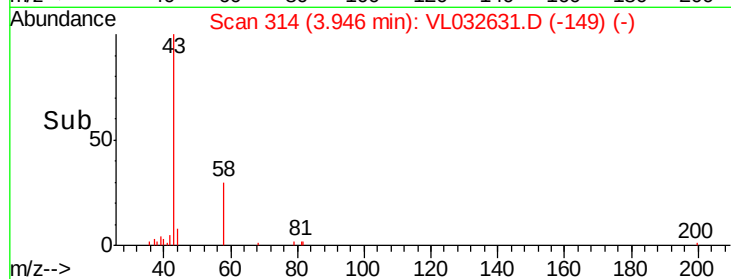
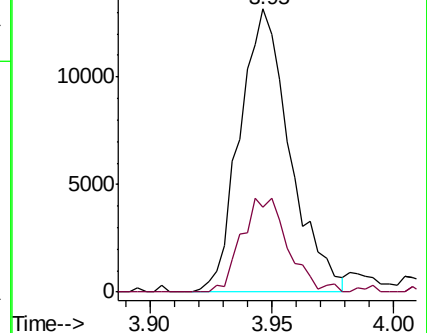
43 100

58 31.4 22.1 33.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.073 ppbv

RT: 3.38 min Scan# 138

Delta R.T. 0.00 min

Lab File: VL032631.D

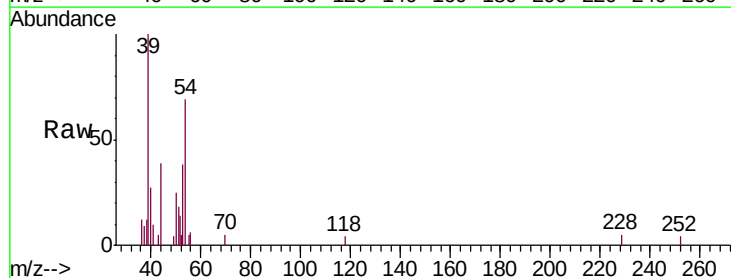
Acq: 17 Oct 2018 5:19

Tgt Ion: 39 Resp: 3168

Ion Ratio Lower Upper

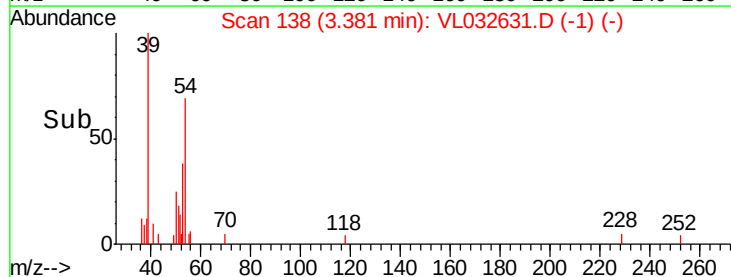
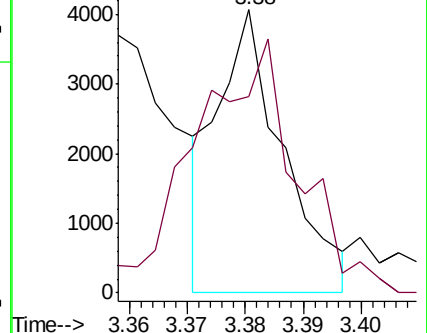
39 100

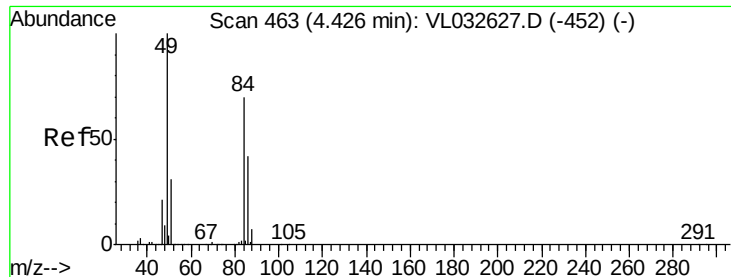
54 152.5 90.4 135.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

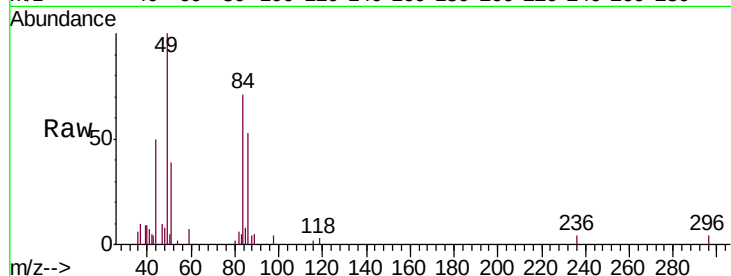




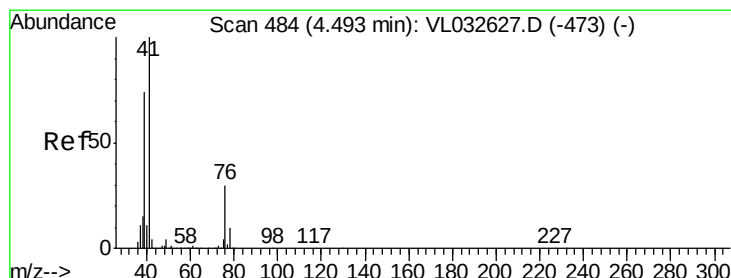
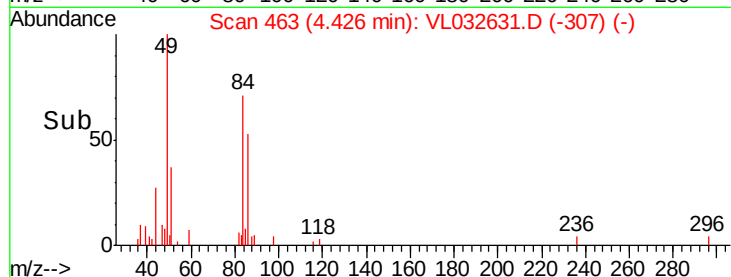
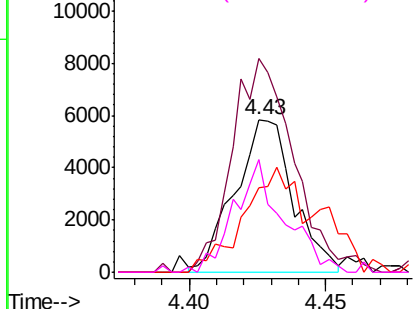
#20
Methylene Chloride
Concen: 0.173 ppbv
RT: 4.43 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 84 Resp: 8648
Ion Ratio Lower Upper
84 100
49 145.3 113.5 170.3
51 57.3 34.8 52.2#
86 73.3 47.9 71.9#

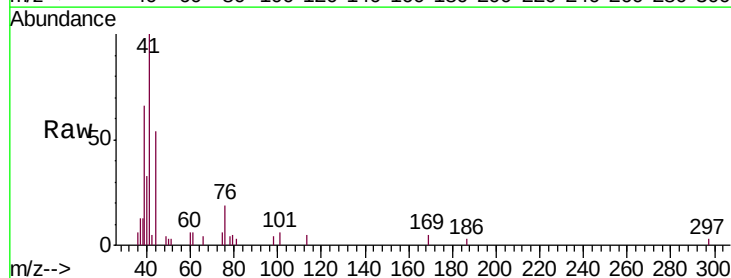


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

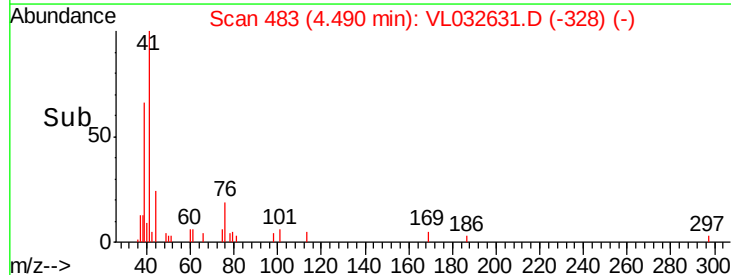
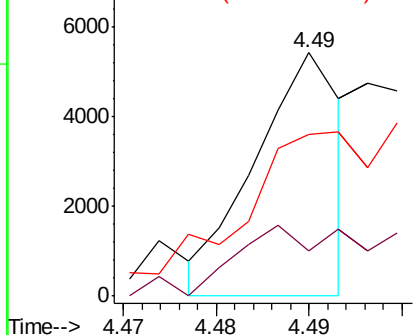


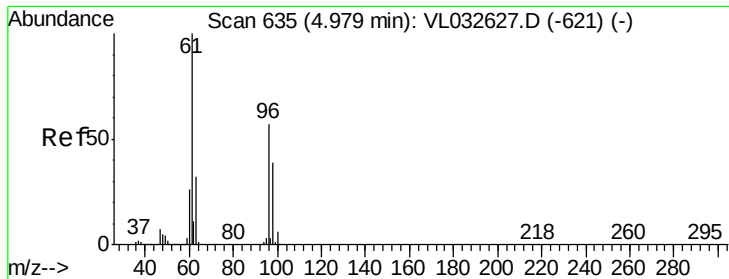
#21
Allyl Chloride
Concen: 0.042 ppbv
RT: 4.49 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Tgt Ion: 41 Resp: 3503
Ion Ratio Lower Upper
41 100
76 65.6 24.3 36.5#
39 0.0 60.3 90.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.118 ppbv

RT: 4.98 min Scan# 636

Delta R.T. 0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

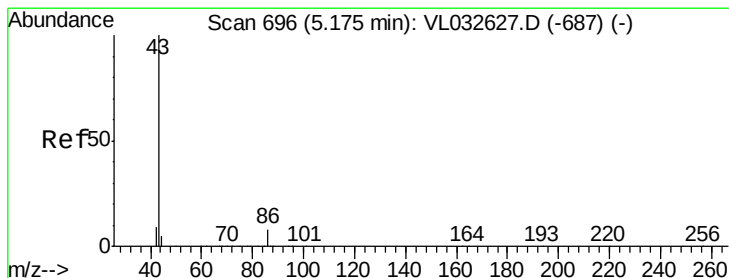
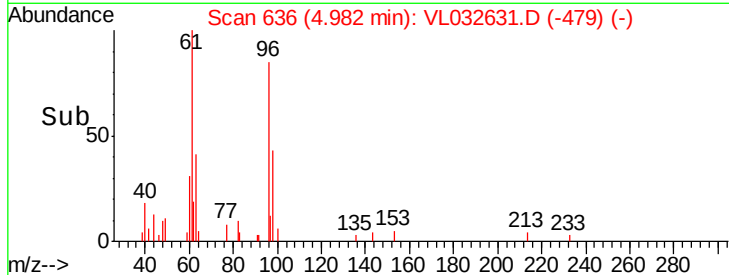
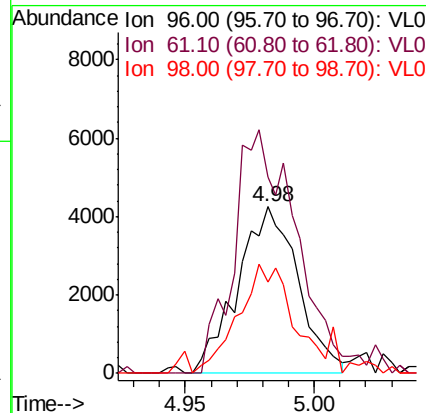
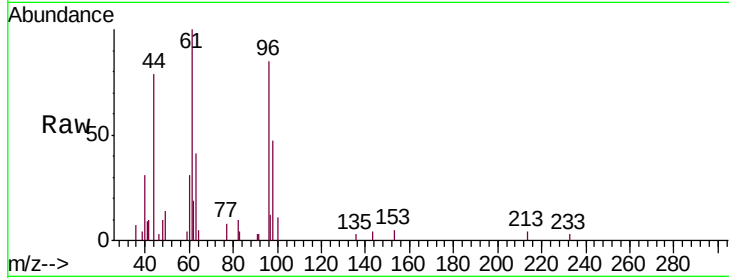
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:	96	Resp:	6950
Ion	Ratio	Lower	Upper
96	100		
61	117.8	140.4	210.6#
98	54.9	55.0	82.6#



#23

Vinyl Acetate

Concen: 0.032 ppbv

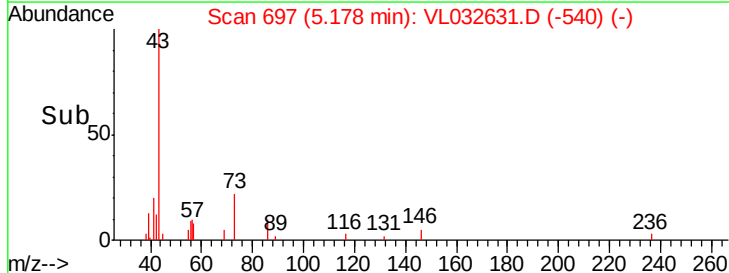
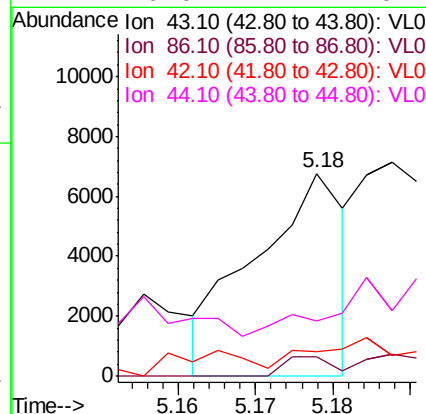
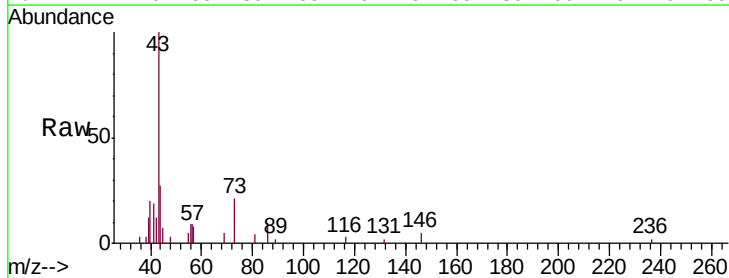
RT: 5.18 min Scan# 697

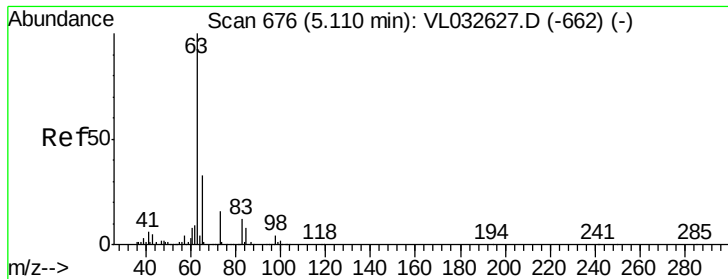
Delta R.T. 0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Tgt Ion:	43	Resp:	5482
Ion	Ratio	Lower	Upper
43	100		
86	13.6	6.1	9.1#
42	7.0	7.4	11.2#
44	0.0	4.2	6.2#





#24

1,1-Dichloroethane

Concen: 0.106 ppbv

RT: 5.10 min Scan# 674

Delta R.T. -0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

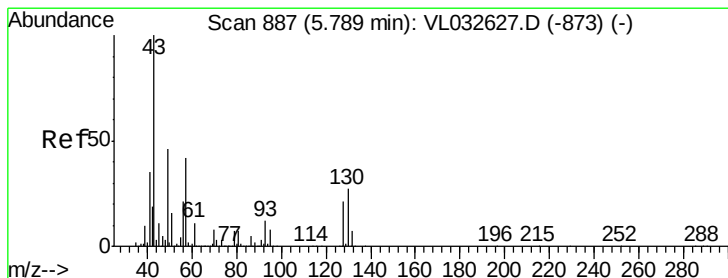
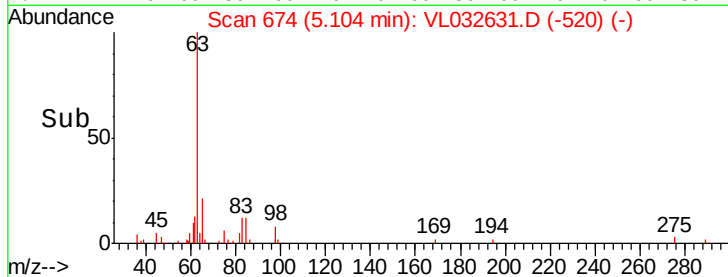
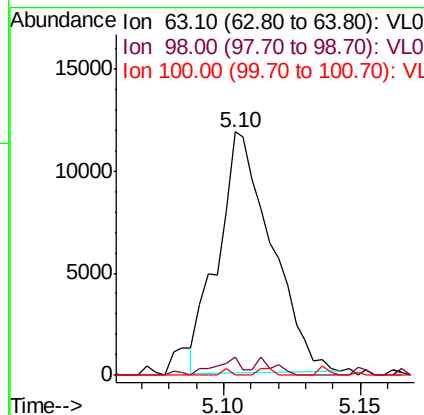
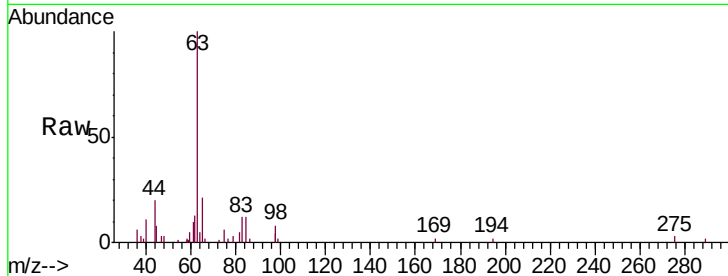
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:	63	Resp:	16051
Ion	Ratio	Lower	Upper
63	100		
98	7.8	2.1	6.3#
100	0.0	1.2	3.6#



#25

Ethyl Acetate

Concen: 0.085 ppbv

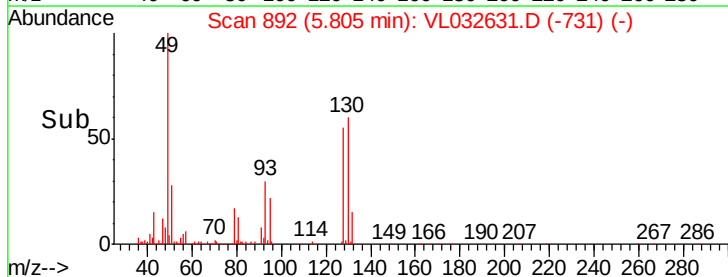
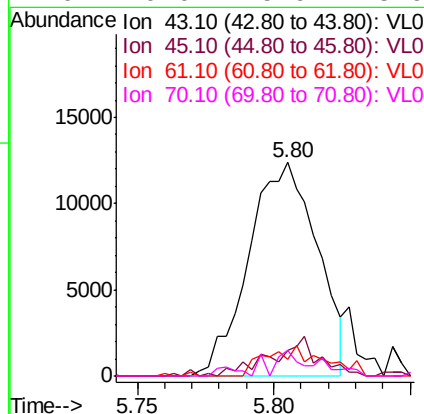
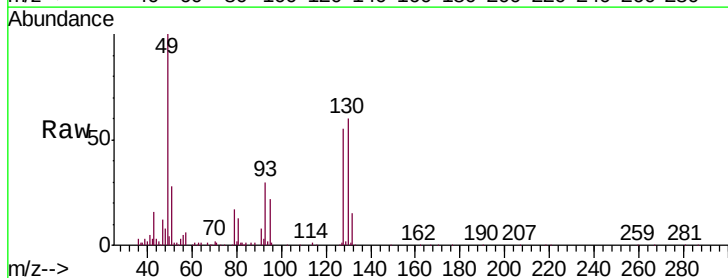
RT: 5.80 min Scan# 892

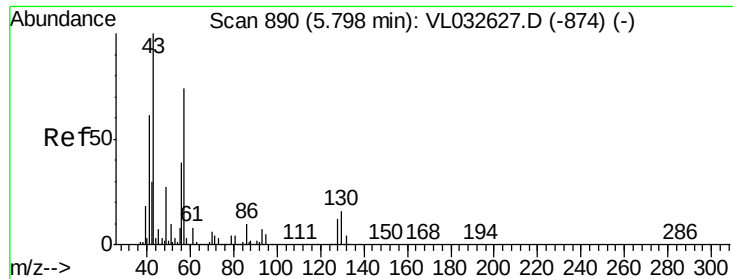
Delta R.T. 0.02 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Tgt Ion:	43	Resp:	21553
Ion	Ratio	Lower	Upper
43	100		
45	13.9	8.0	12.0#
61	11.9	8.0	12.0
70	9.0	5.9	8.9#

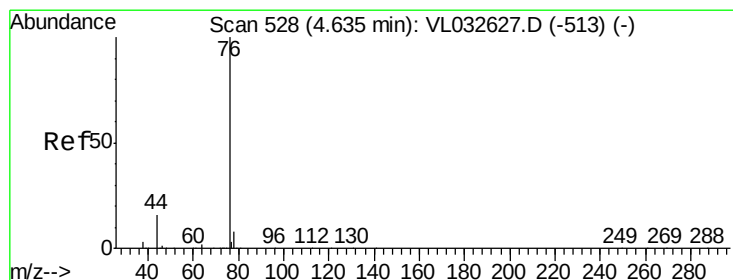
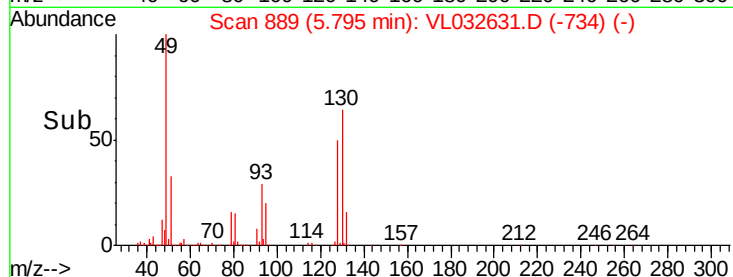
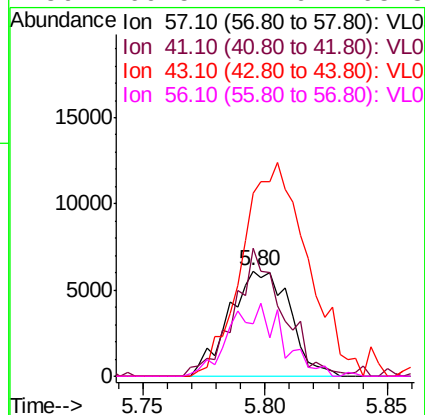
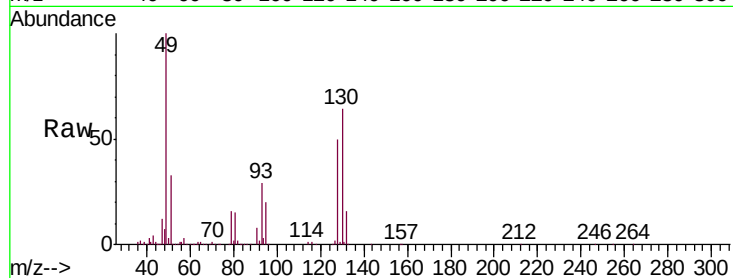




#26
Hexane
Concen: 0.091 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

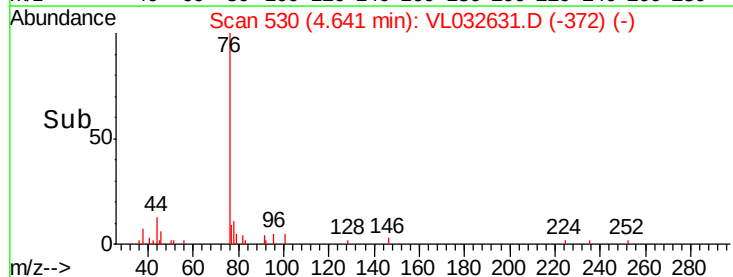
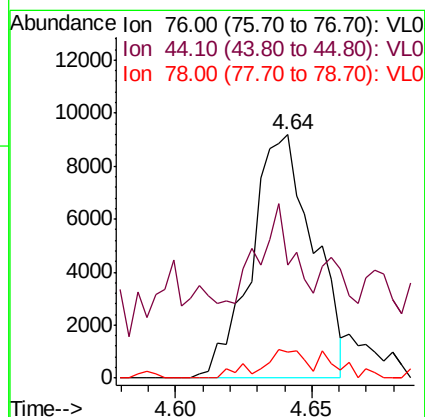
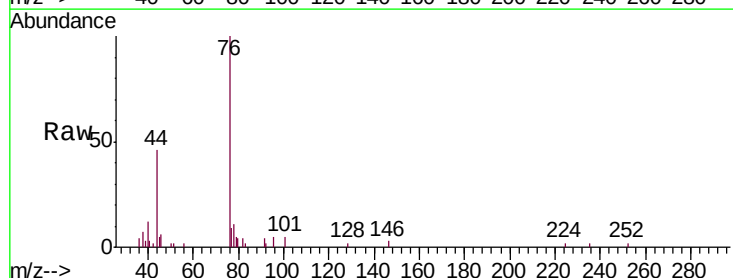
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

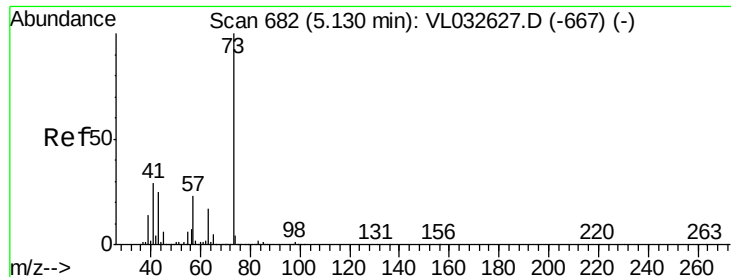
Tgt Ion:	57	Resp:	10547
Ion	Ratio	Lower	Upper
57	100		
41	100.1	67.4	101.0
43	227.3	171.9	257.9
56	60.5	42.6	63.8



#27
Carbon Disulfide
Concen: 0.105 ppbv
RT: 4.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Tgt Ion:	76	Resp:	14432
Ion	Ratio	Lower	Upper
76	100		
44	60.7	13.7	20.5#
78	12.8	7.4	11.2#





#28

Methyl tert-Butyl Ether

Concen: 0.075 ppbv

RT: 5.16 min Scan# 692

Delta R.T. 0.03 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

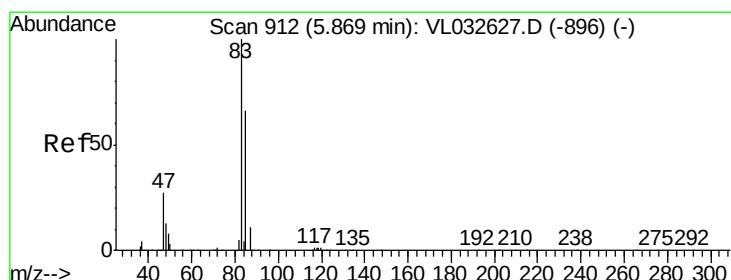
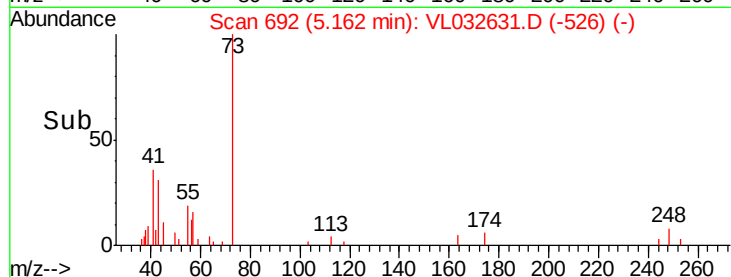
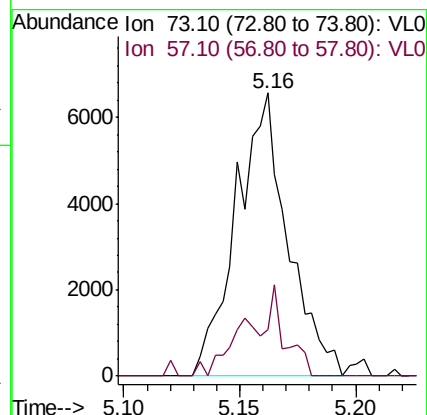
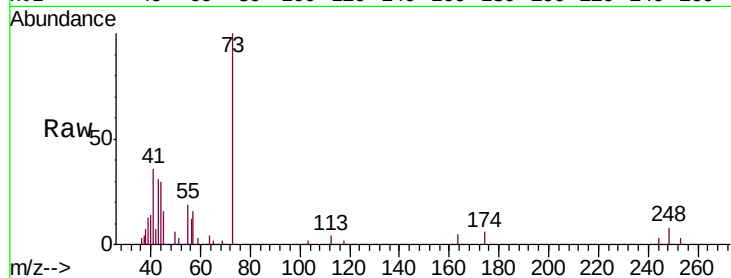
VSTDIC0.1

Tgt Ion: 73 Resp: 10173

Ion Ratio Lower Upper

73 100

57 23.8 18.0 27.0



#29

Chloroform

Concen: 0.112 ppbv

RT: 5.87 min Scan# 911

Delta R.T. -0.00 min

Lab File: VL032631.D

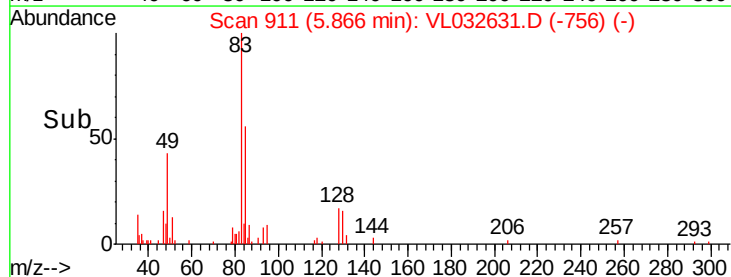
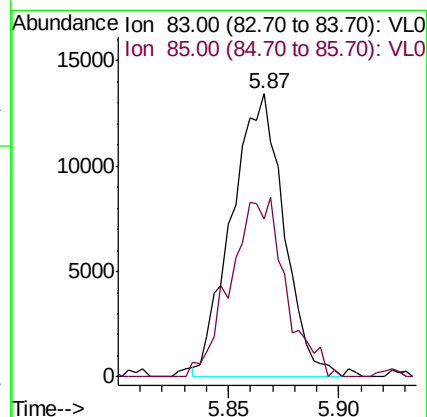
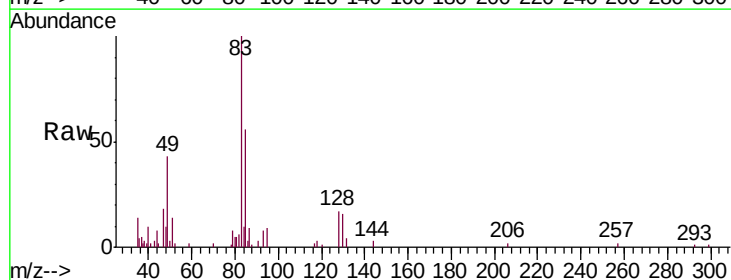
Acq: 17 Oct 2018 5:19

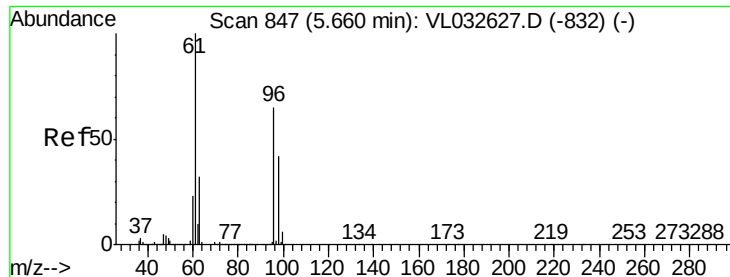
Tgt Ion: 83 Resp: 22096

Ion Ratio Lower Upper

83 100

85 55.8 53.0 79.6





#31

cis-1,2-Dichloroethene

Concen: 0.079 ppbv

RT: 5.66 min Scan# 846

Delta R.T. -0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

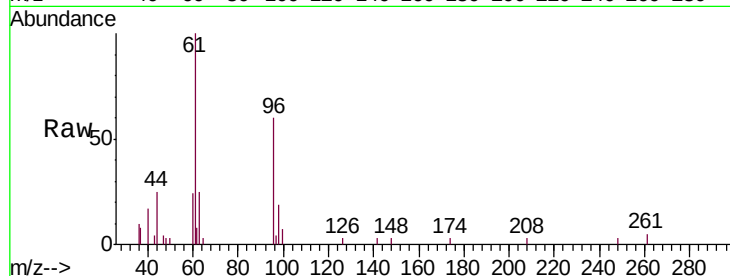
Tgt Ion: 61 Resp: 8640

Ion Ratio Lower Upper

61 100

96 59.9 51.8 77.6

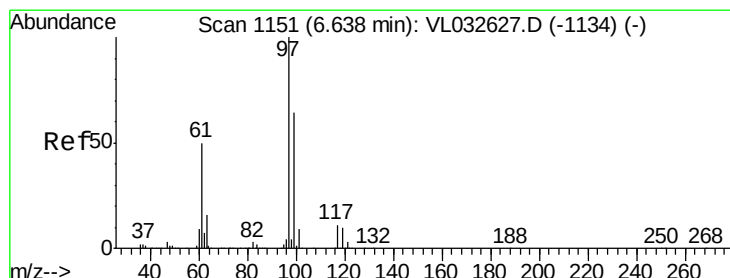
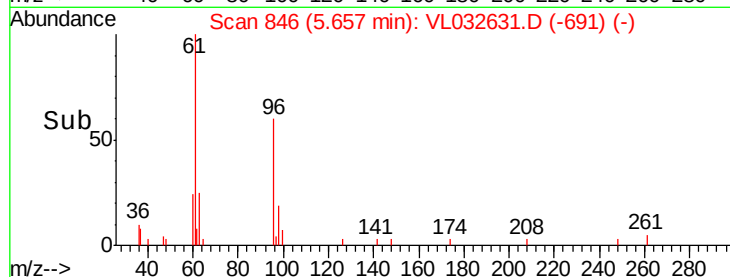
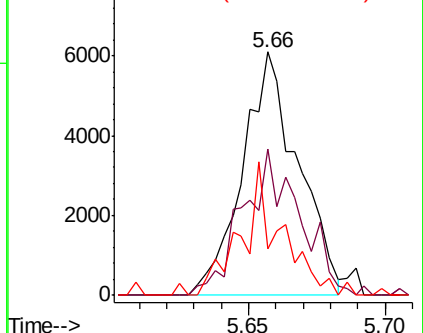
98 19.2 33.8 50.6#



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: 0.110 ppbv

RT: 6.63 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

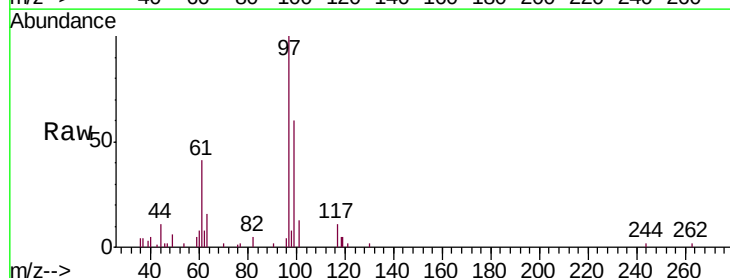
Tgt Ion: 97 Resp: 21037

Ion Ratio Lower Upper

97 100

99 64.9 52.0 78.0

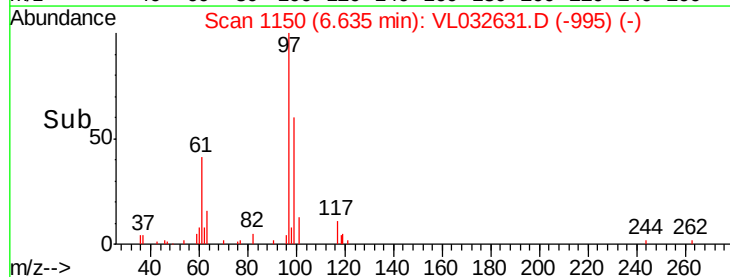
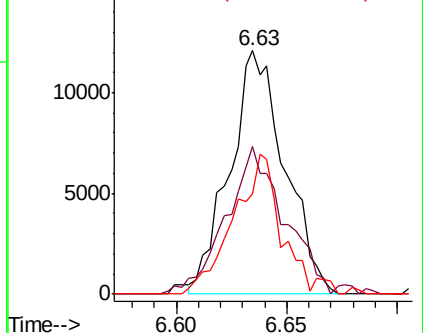
61 50.6 40.7 61.1

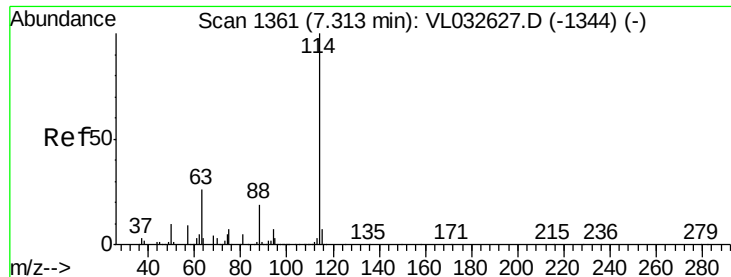


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

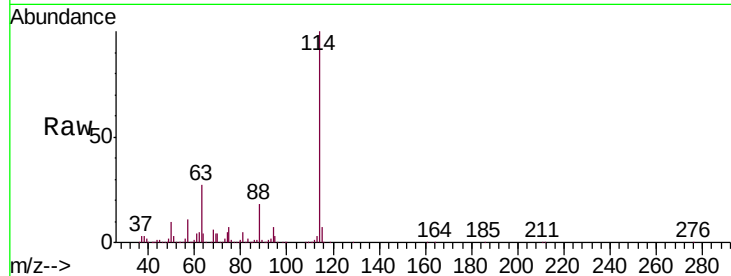




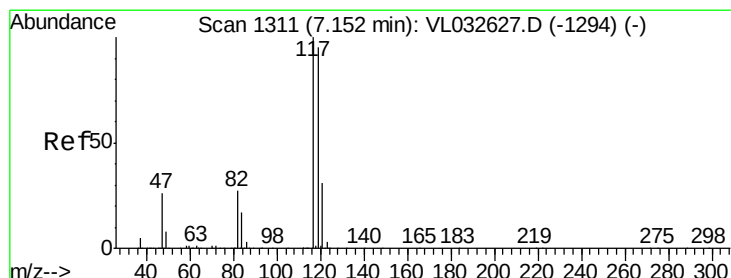
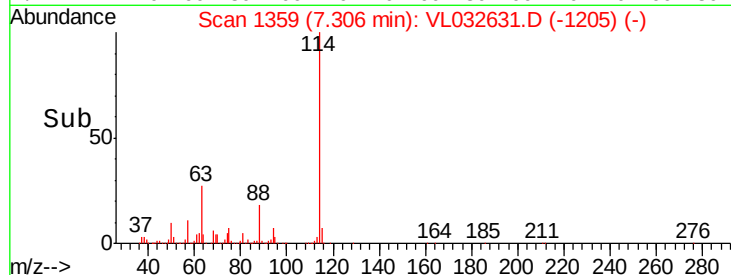
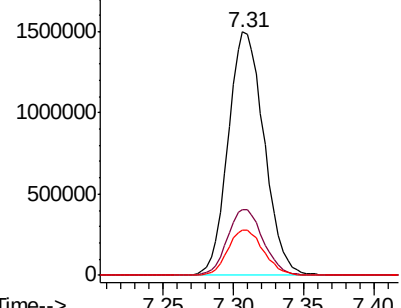
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1359
 Delta R.T. -0.01 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion:114 Resp: 2682350
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.7 32.5
 88 18.6 14.9 22.3

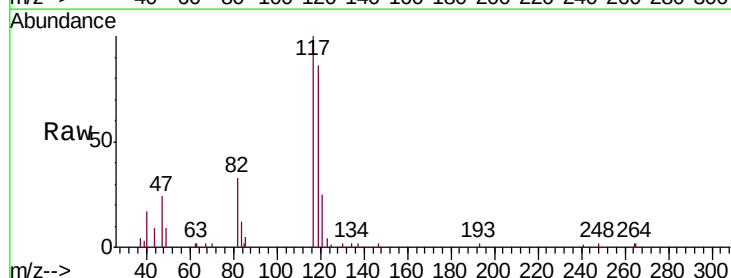


Abundance Ion 114.10 (113.80 to 114.80): V
 2000000 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

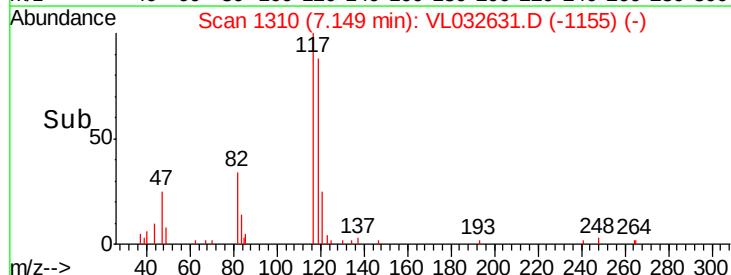
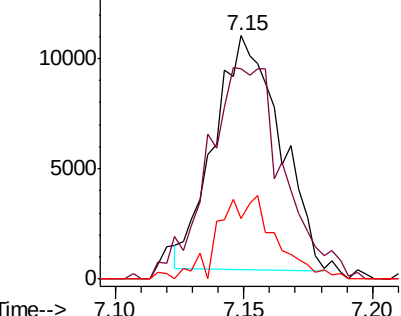


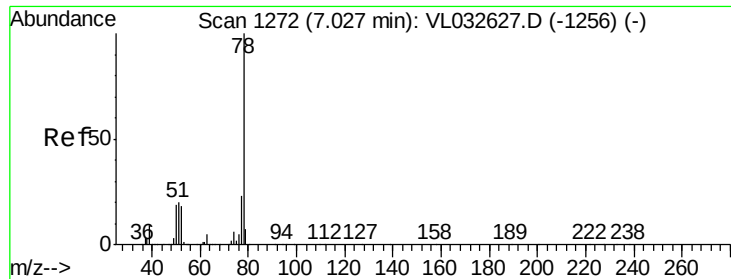
#35
 Carbon Tetrachloride
 Concen: 0.098 ppbv
 RT: 7.15 min Scan# 1310
 Delta R.T. -0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Tgt Ion:117 Resp: 18889
 Ion Ratio Lower Upper
 117 100
 119 80.1 75.7 113.5
 121 25.9 24.7 37.1



Abundance Ion 117.00 (116.70 to 117.70): V
 15000 Ion 119.00 (118.70 to 119.70): V
 Ion 121.00 (120.70 to 121.70): V

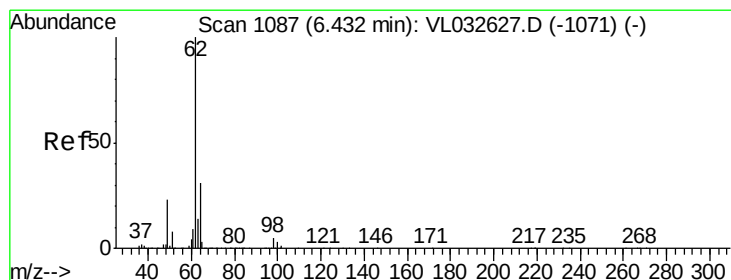
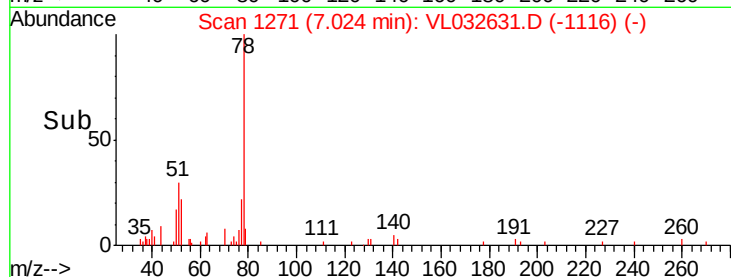
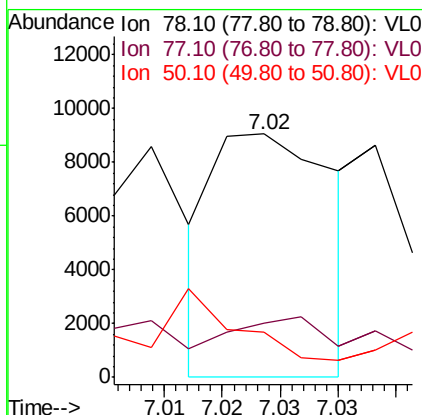
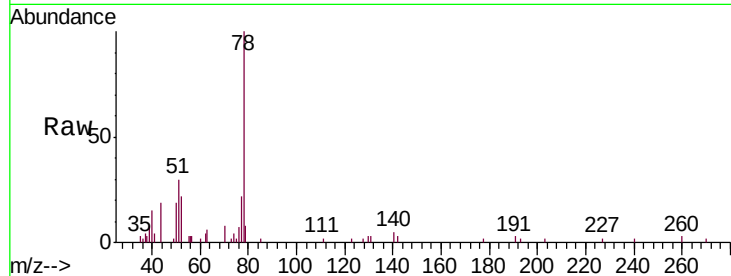




#36
Benzene
Concen: 0.031 ppbv
RT: 7.02 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

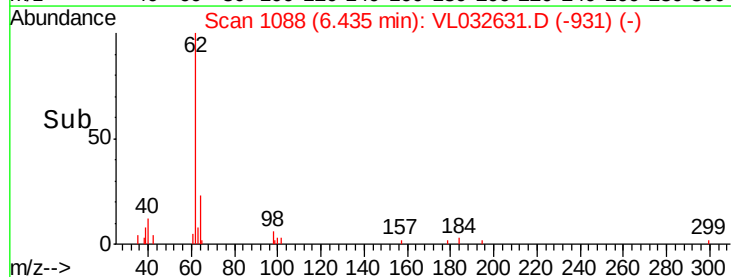
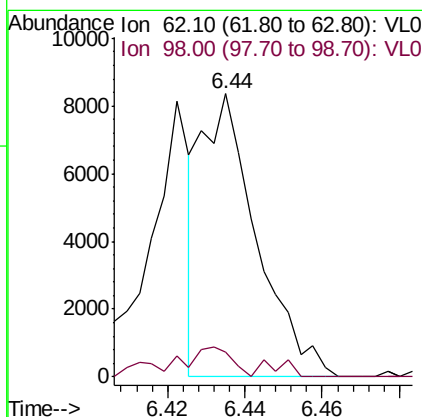
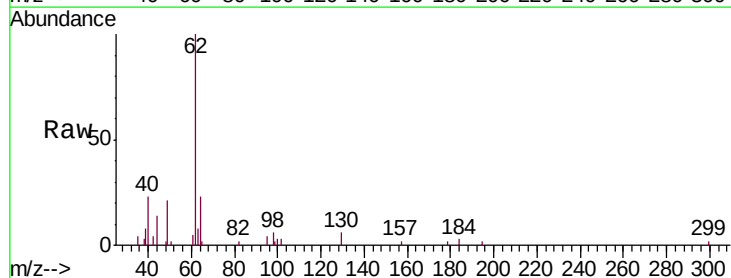
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

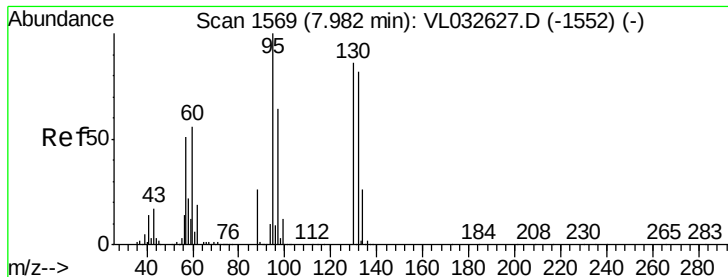
Tgt Ion: 78 Resp: 6523
Ion Ratio Lower Upper
78 100
77 28.1 18.1 27.1#
50 31.5 15.1 22.7#



#37
1,2-Dichloroethane
Concen: 0.059 ppbv
RT: 6.44 min Scan# 1088
Delta R.T. 0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Tgt Ion: 62 Resp: 8334
Ion Ratio Lower Upper
62 100
98 14.5 4.4 6.6#





#38

Trichloroethene

Concen: 0.053 ppbv

RT: 7.97 min Scan# 1566

Delta R.T. -0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 130 Resp: 4153

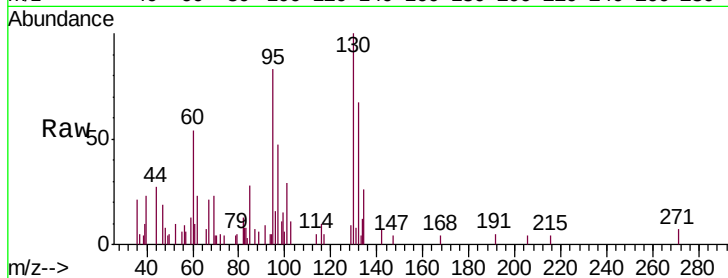
Ion Ratio Lower Upper

130 100

95 46.4 93.4 140.0#

132 42.5 76.5 114.7#

97 29.4 60.2 90.2#



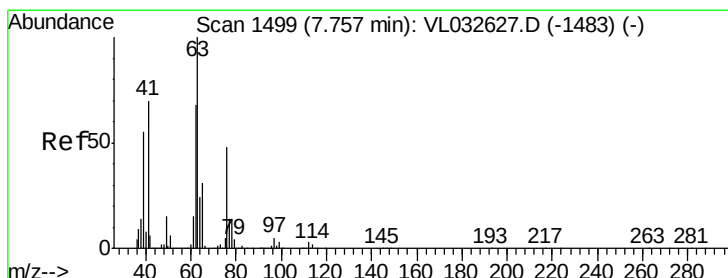
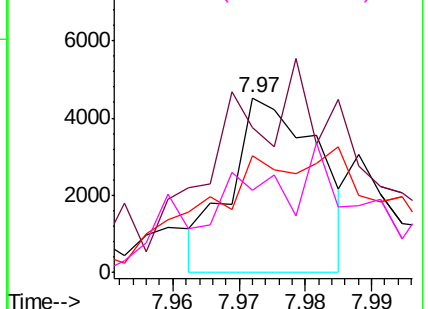
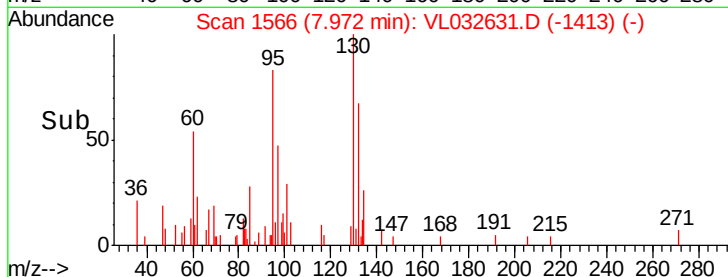
Abundance

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: 8.288 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

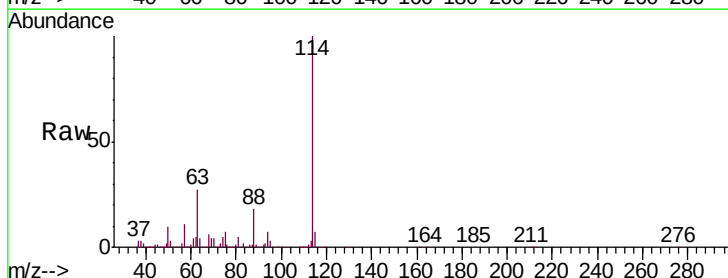
Tgt Ion: 63 Resp: 719423

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

62 17.4 54.4 81.6#

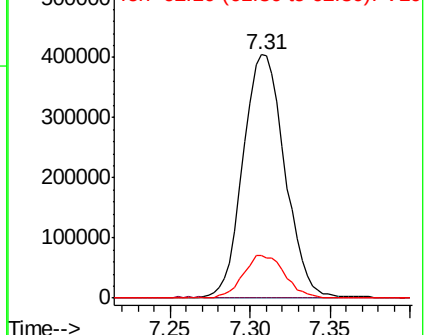
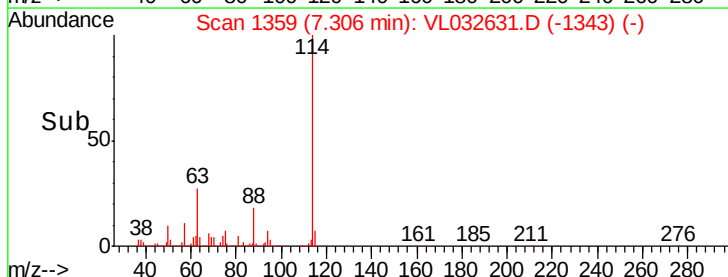


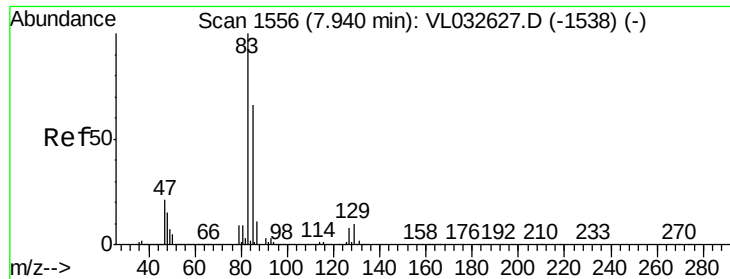
Abundance

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





#42

Bromodichloromethane

Concen: 0.102 ppbv

RT: 7.94 min Scan# 1555

Delta R.T. -0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

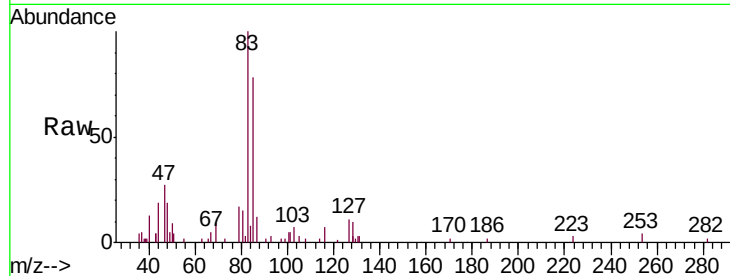
Tgt Ion: 83 Resp: 20086

Ion Ratio Lower Upper

83 100

85 79.3 52.4 78.6#

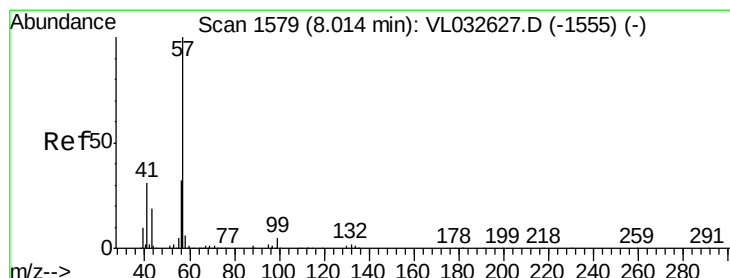
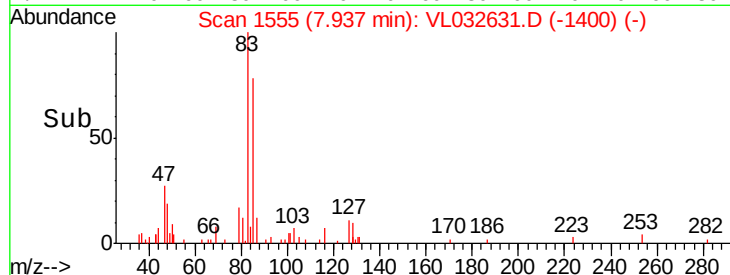
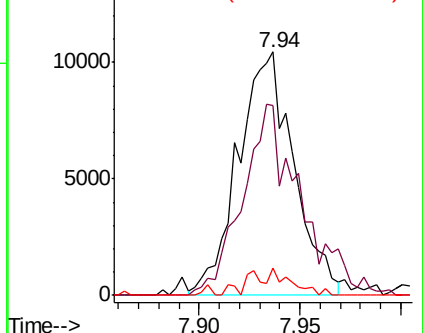
127 11.6 6.1 9.1#



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



#44

2,2,4-Trimethylpentane

Concen: 0.036 ppbv

RT: 8.01 min Scan# 1577

Delta R.T. -0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

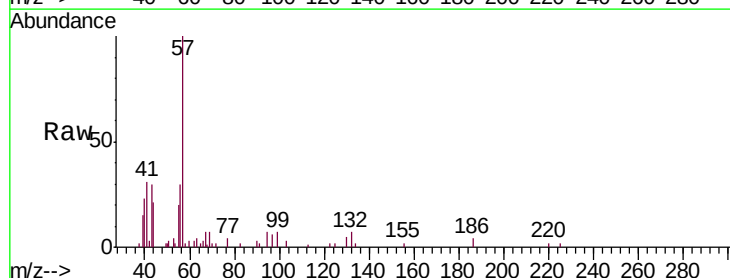
Tgt Ion: 57 Resp: 13439

Ion Ratio Lower Upper

57 100

41 69.9 24.7 37.1#

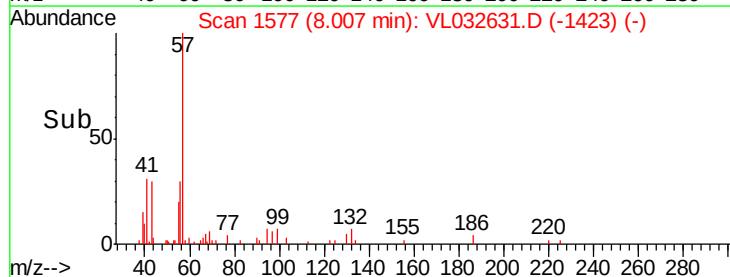
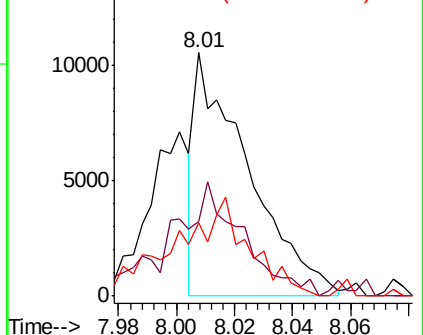
56 60.1 25.0 37.4#

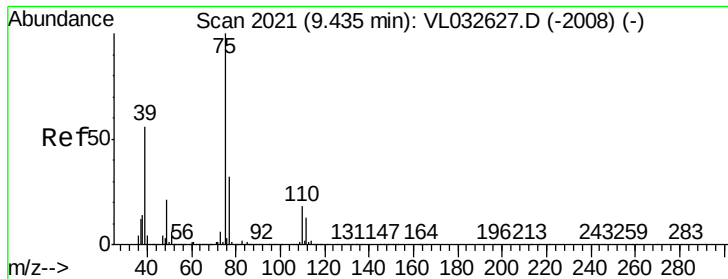


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

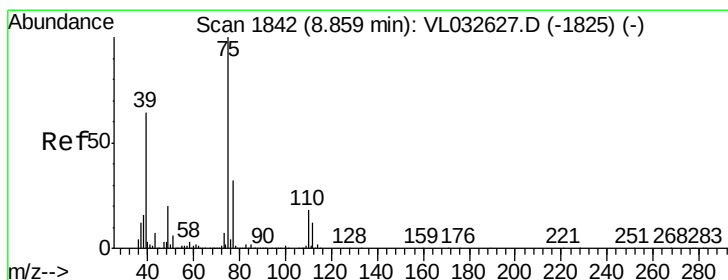
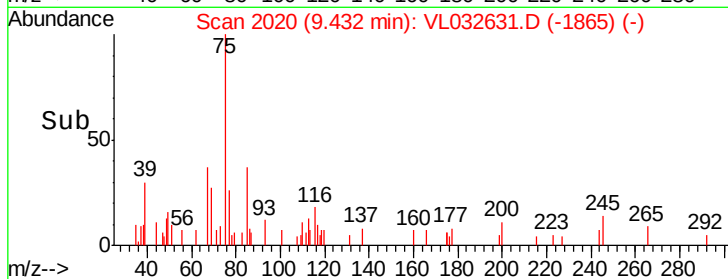
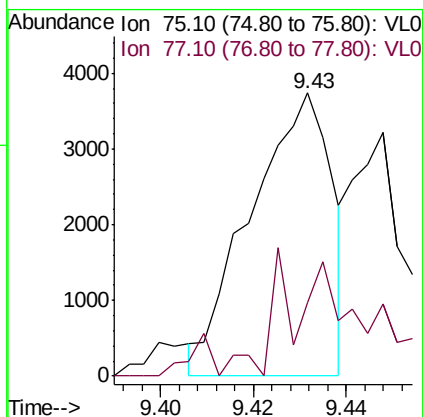
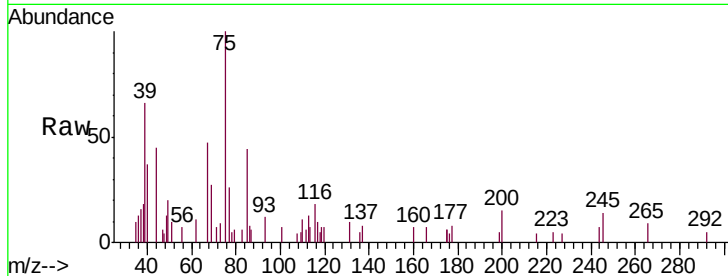




#45
 t-1,3-Dichloropropene
 Concen: 0.044 ppbv
 RT: 9.43 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

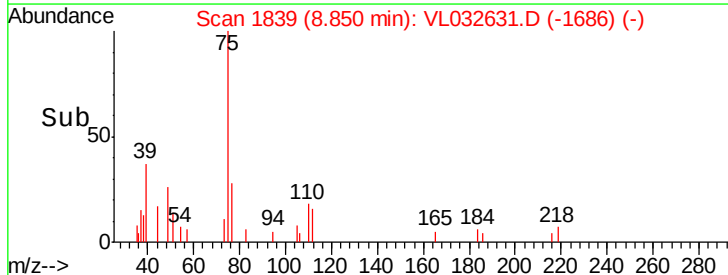
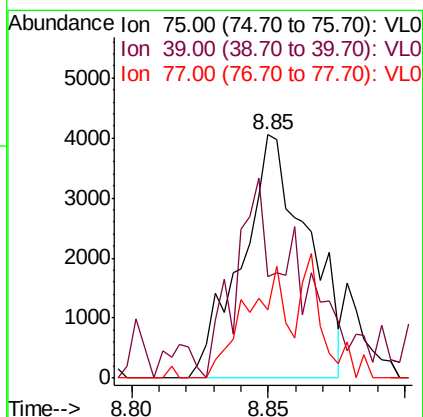
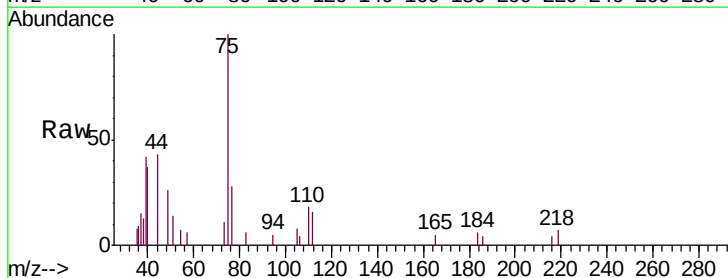
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

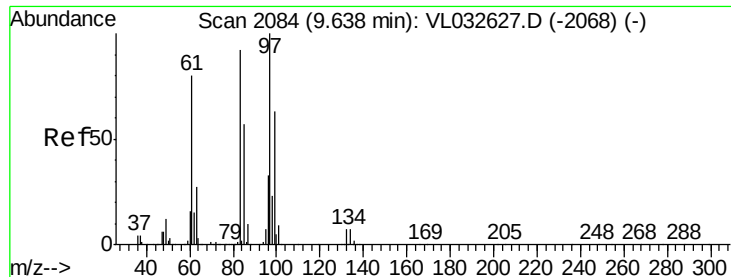
Tgt Ion: 75 Resp: 4543
 Ion Ratio Lower Upper
 75 100
 77 26.1 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 0.058 ppbv
 RT: 8.85 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Tgt Ion: 75 Resp: 6808
 Ion Ratio Lower Upper
 75 100
 39 29.0 50.9 76.3#
 77 27.8 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 0.039 ppbv

RT: 9.62 min Scan# 2079

Delta R.T. -0.02 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 4005

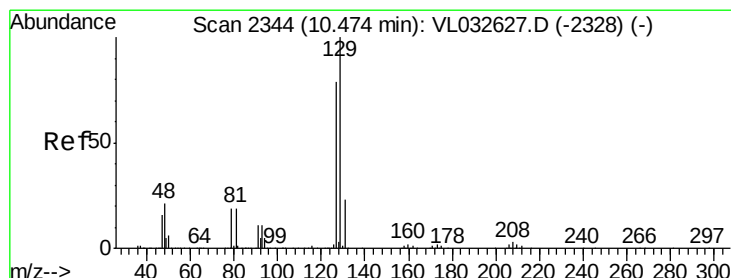
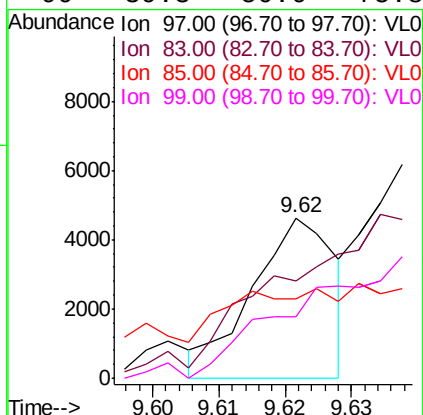
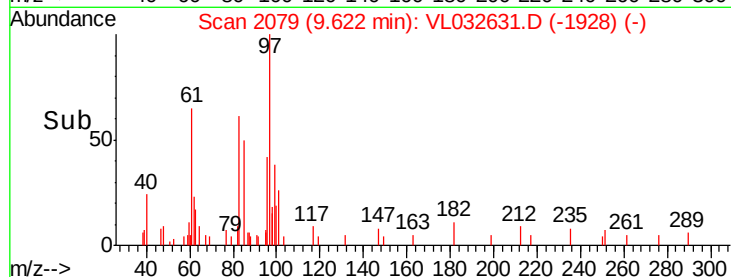
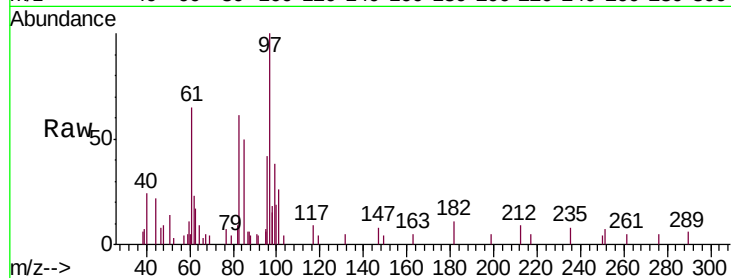
Ion Ratio Lower Upper

97 100

83 55.5 73.5 110.3#

85 27.5 45.8 68.6#

99 39.3 50.6 75.8#



#48

Dibromochloromethane

Concen: 0.041 ppbv

RT: 10.47 min Scan# 2343

Delta R.T. -0.00 min

Lab File: VL032631.D

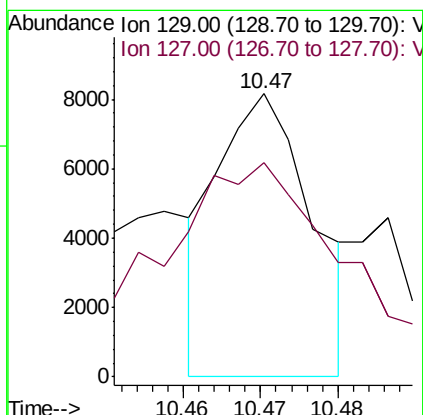
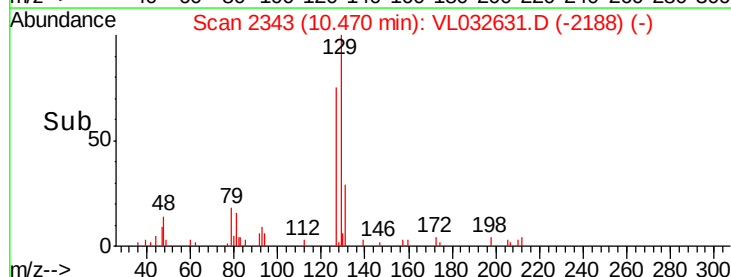
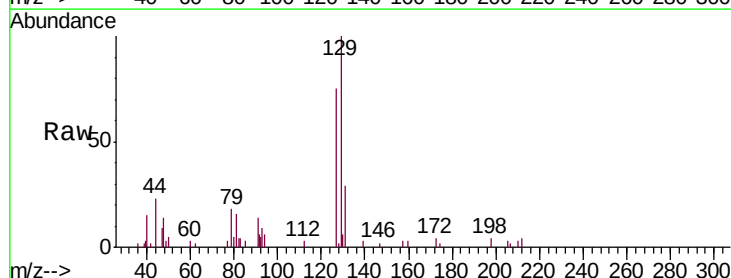
Acq: 17 Oct 2018 5:19

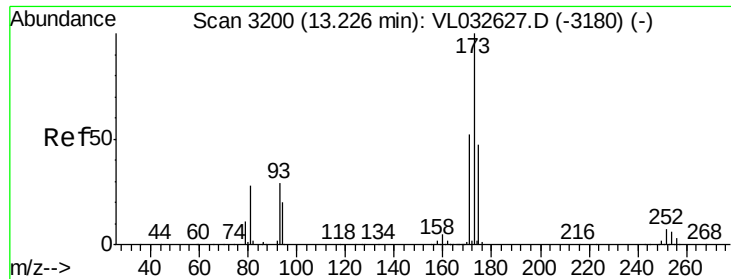
Tgt Ion: 129 Resp: 6957

Ion Ratio Lower Upper

129 100

127 174.5 39.1 117.5#





#49

Bromoform

Concen: 0.062 ppbv

RT: 13.23 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

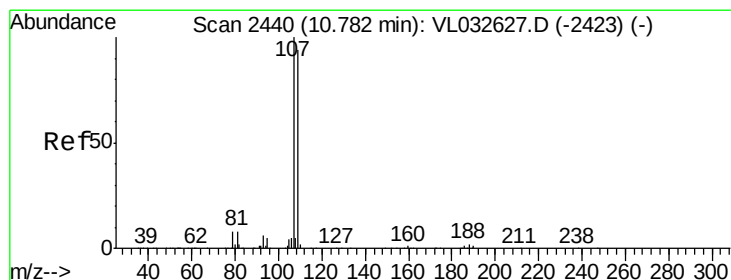
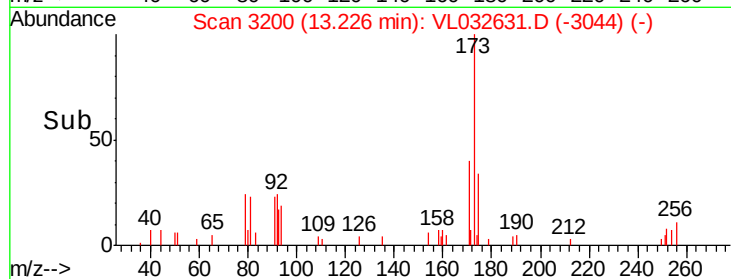
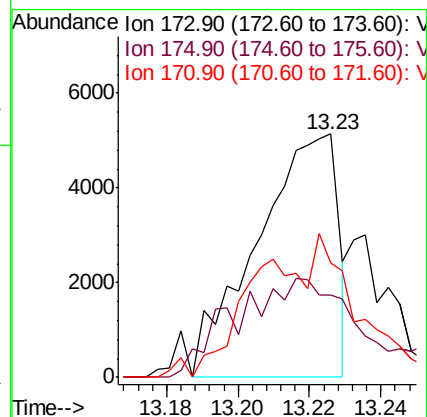
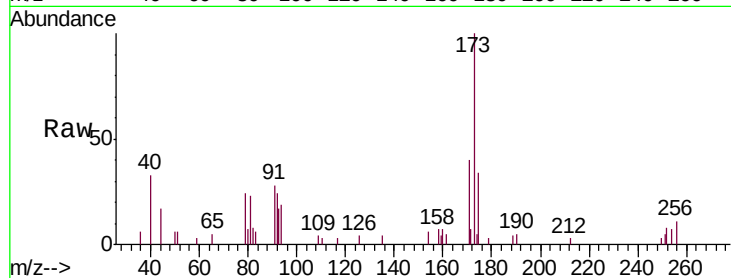
Tgt Ion:173 Resp: 8081

Ion Ratio Lower Upper

173 100

175 62.8 39.0 58.4#

171 74.9 42.2 63.2#



#54

1,2-Dibromoethane

Concen: 0.058 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL032631.D

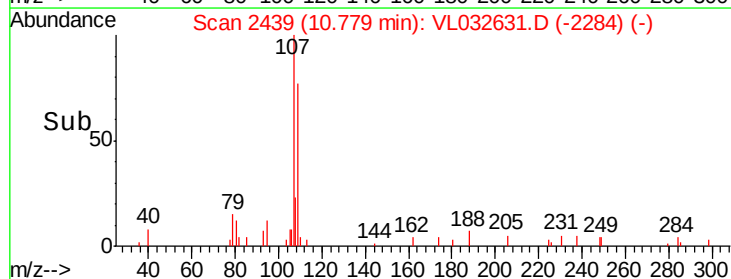
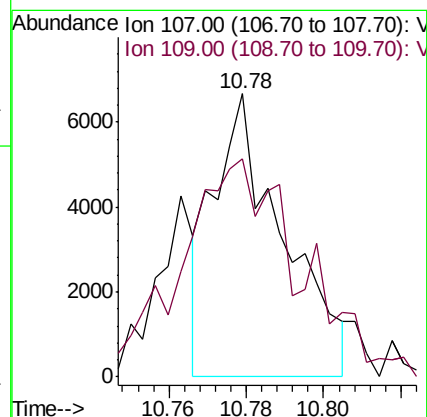
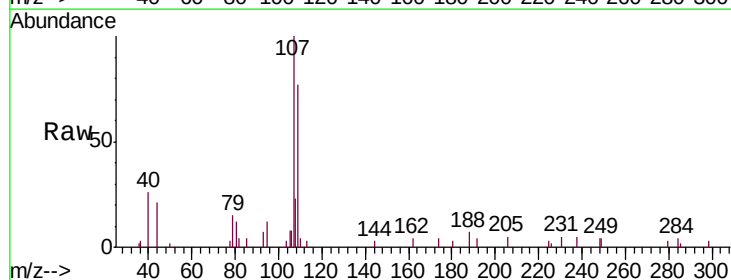
Acq: 17 Oct 2018 5:19

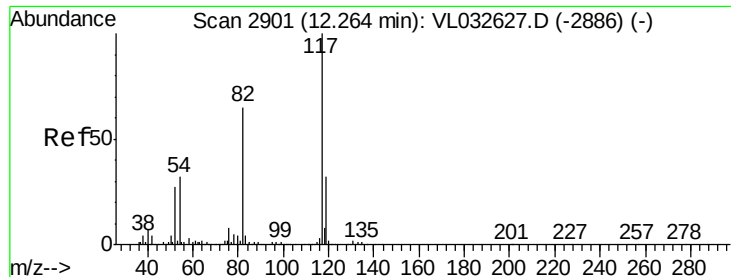
Tgt Ion:107 Resp: 8302

Ion Ratio Lower Upper

107 100

109 67.2 75.3 112.9#

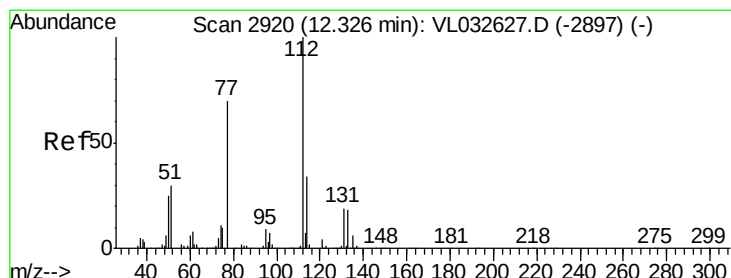
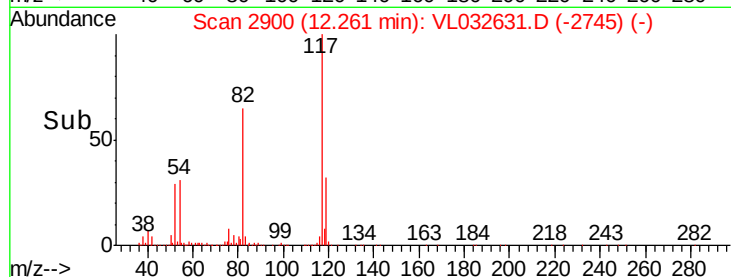
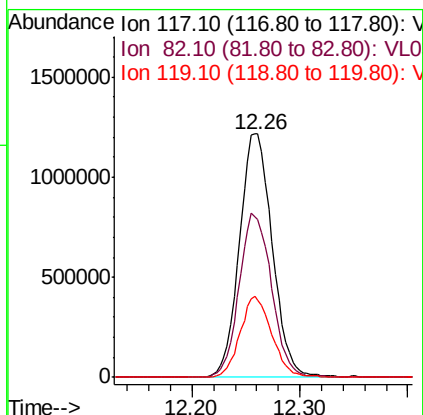
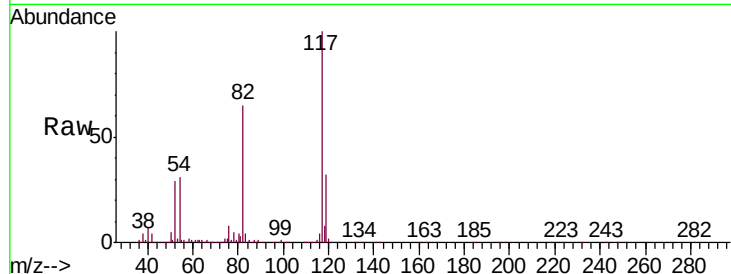




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

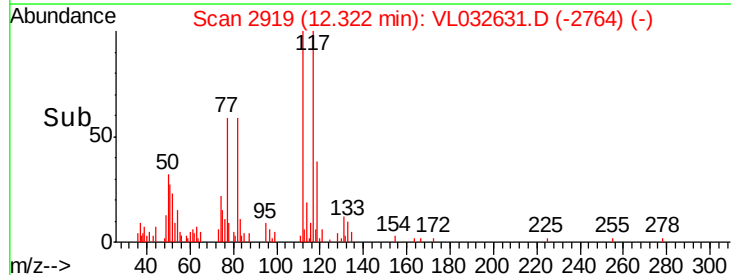
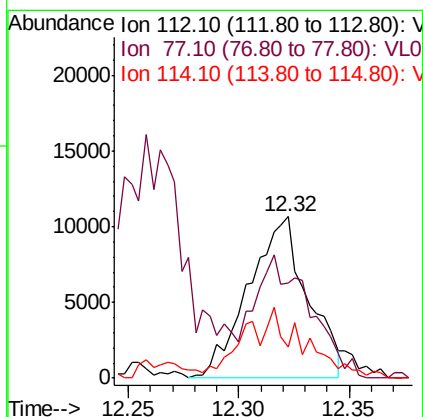
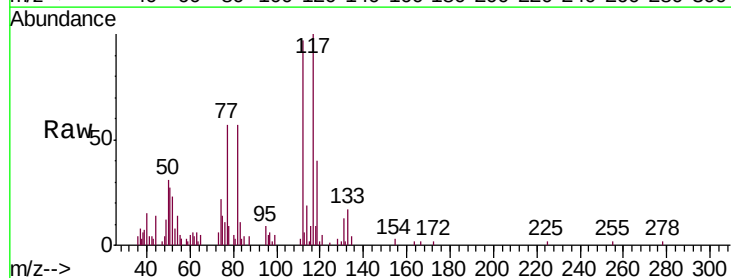
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

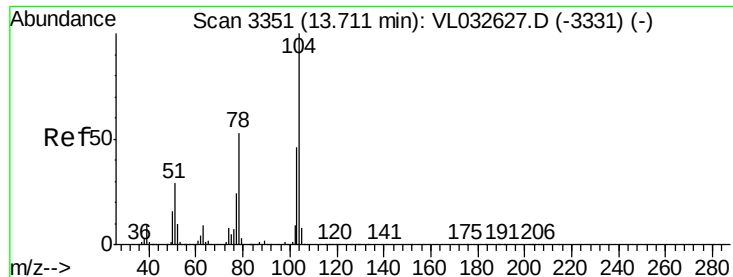
Tgt Ion:117 Resp: 2579221
Ion Ratio Lower Upper
117 100
82 67.1 52.7 79.1
119 32.2 26.7 40.1



#57
Chlorobenzene
Concen: 0.101 ppbv
RT: 12.32 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL032631.D
Acq: 17 Oct 2018 5:19

Tgt Ion:112 Resp: 19833
Ion Ratio Lower Upper
112 100
77 41.2 56.8 85.2#
114 13.3 30.3 37.1#





#61

Styrene

Concen: 0.038 ppbv

RT: 13.70 min Scan# 3349

Delta R.T. -0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

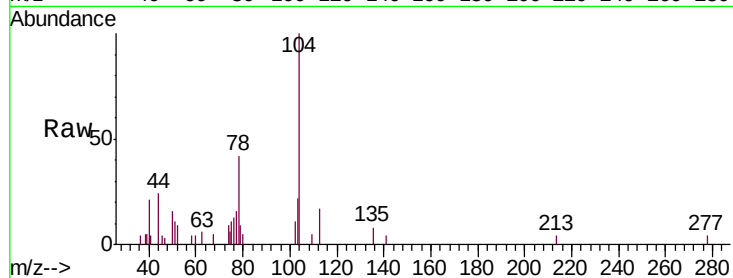
Tgt Ion:104 Resp: 5869

Ion Ratio Lower Upper

104 100

78 79.2 42.8 64.2#

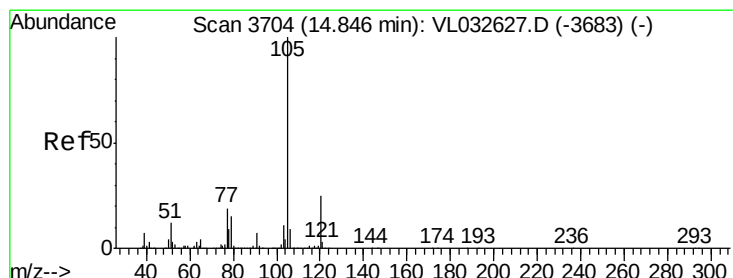
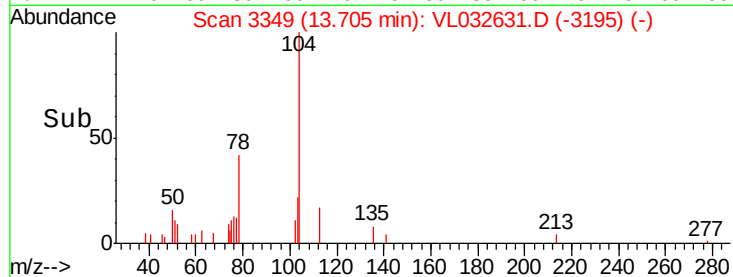
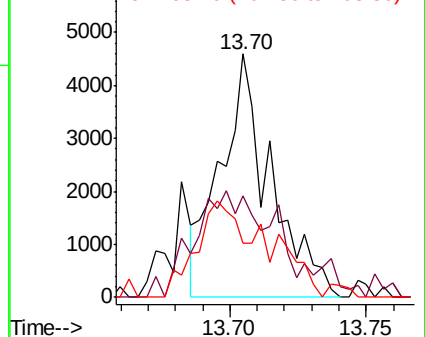
103 58.9 37.4 56.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.062 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032631.D

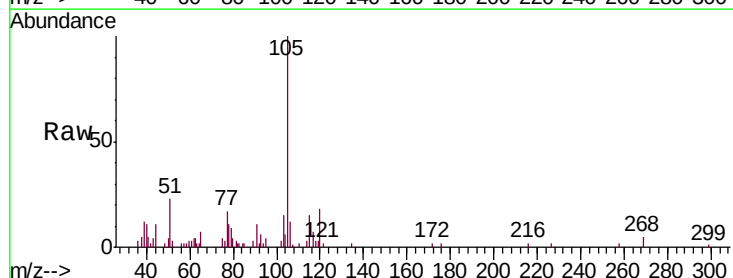
Acq: 17 Oct 2018 5:19

Tgt Ion:105 Resp: 22327

Ion Ratio Lower Upper

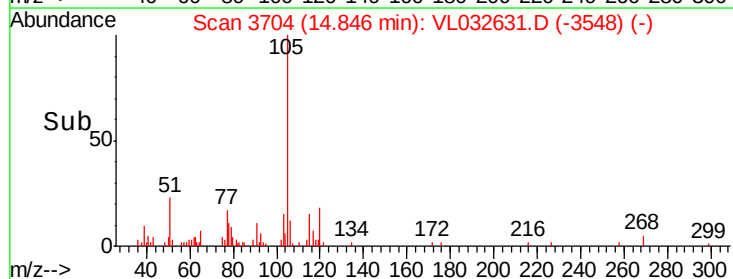
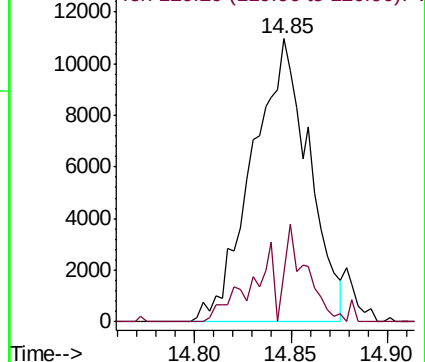
105 100

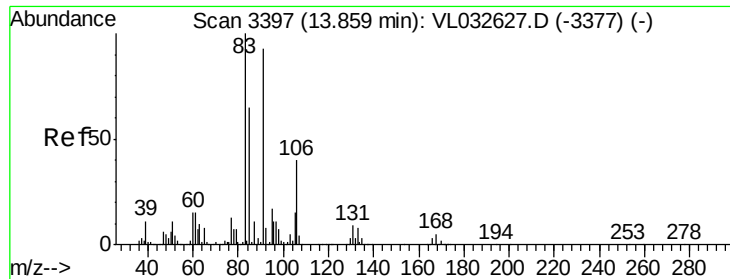
120 11.9 20.5 30.7#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

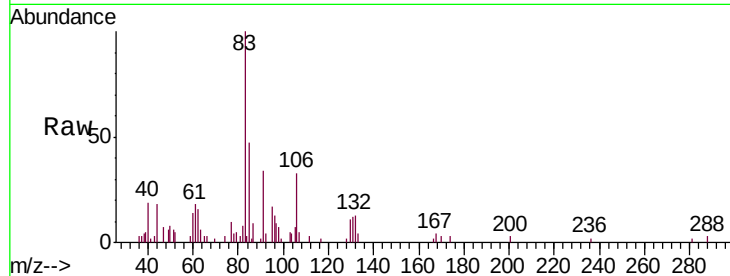




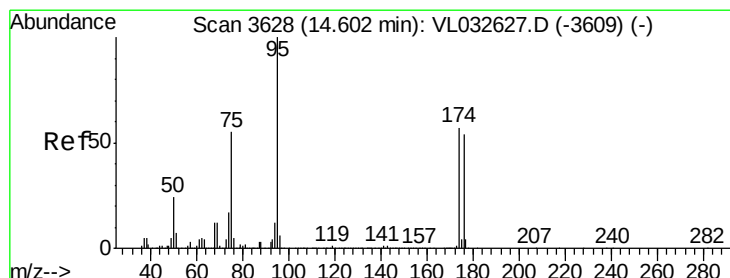
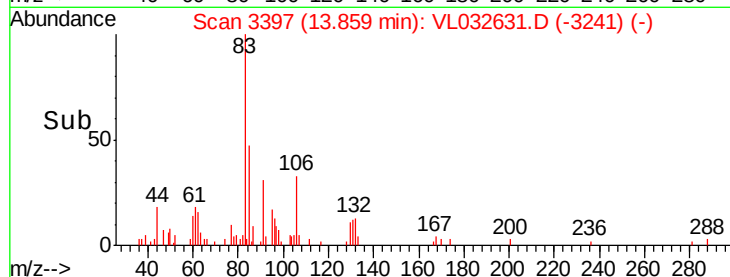
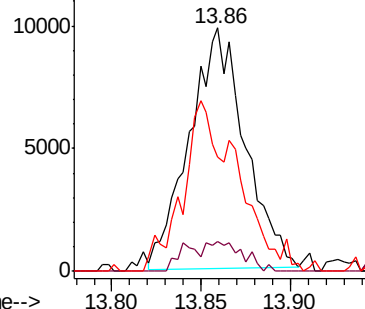
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.096 ppbv
 RT: 13.86 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Tgt Ion: 83 Resp: 21253
 Ion Ratio Lower Upper
 83 100
 131 12.4 4.3 12.9
 85 70.9 32.3 96.9

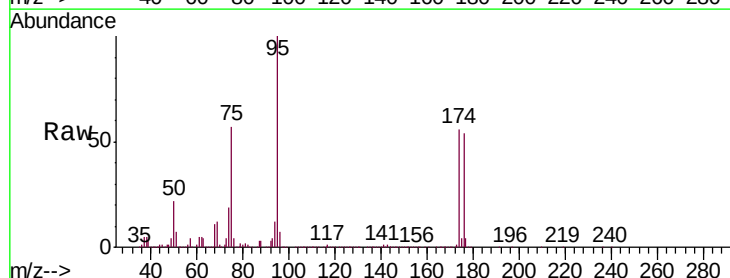


Abundance Ion 83.00 (82.70 to 83.70): VL0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VL0

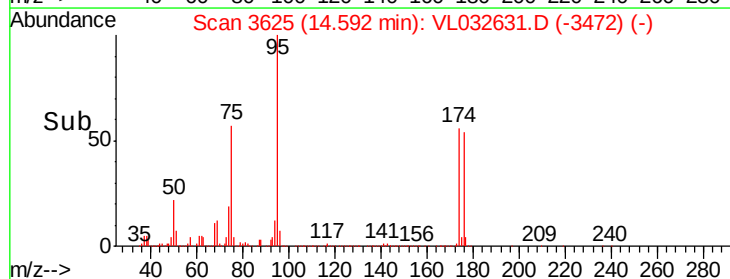
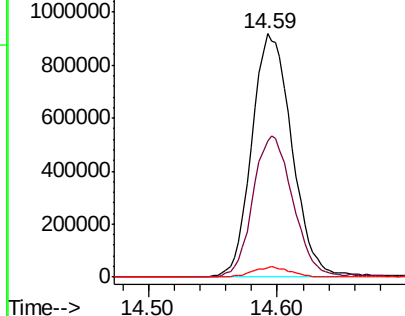


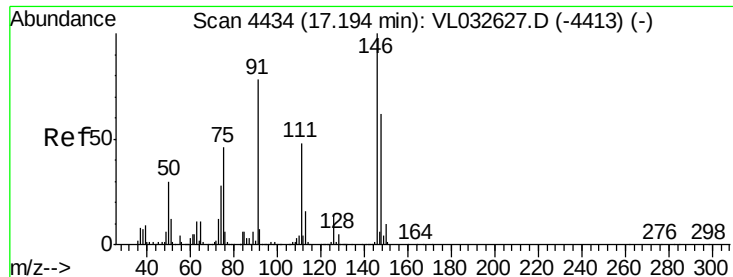
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.152 ppbv
 RT: 14.59 min Scan# 3625
 Delta R.T. -0.01 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Tgt Ion: 95 Resp: 1981299
 Ion Ratio Lower Upper
 95 100
 174 59.1 46.0 69.0
 175 4.1 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

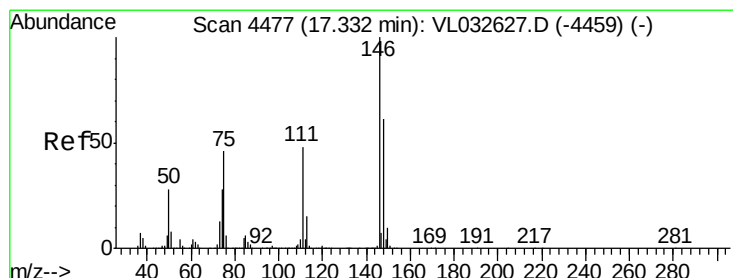
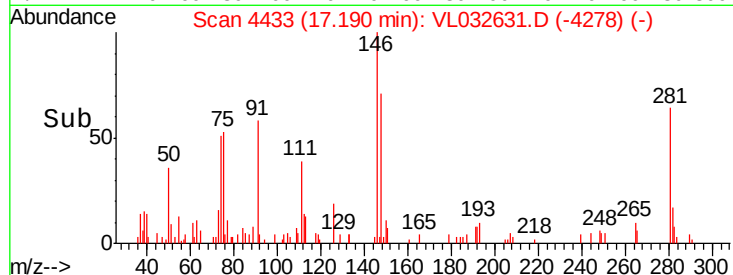
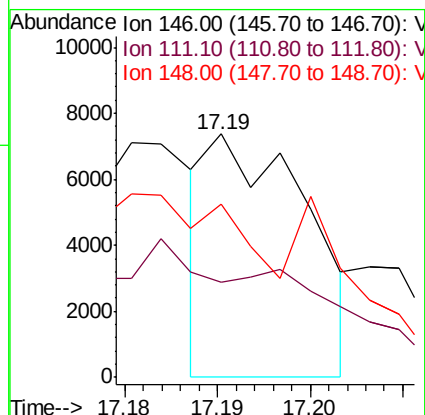
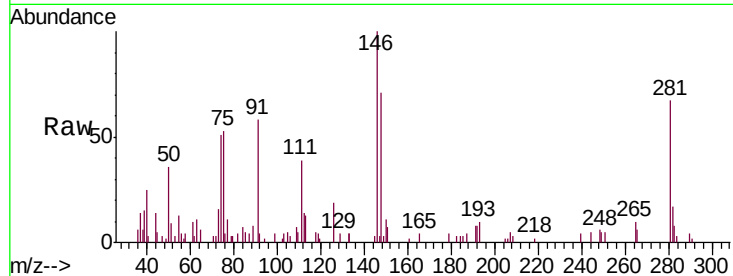




#75
 1,3-Dichlorobenzene
 Concen: 0.031 ppbv
 RT: 17.19 min Scan# 4433
 Delta R.T. -0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

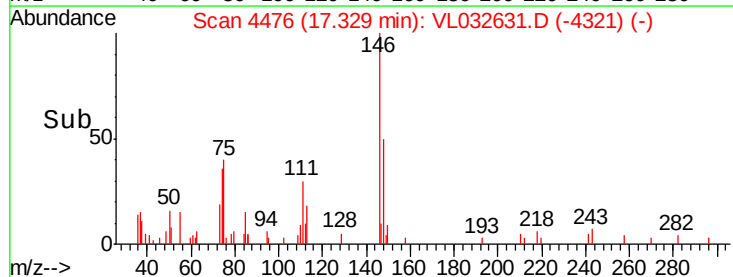
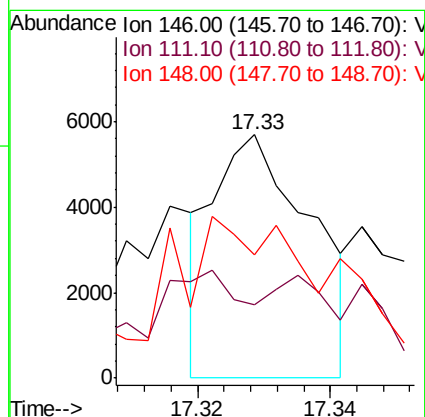
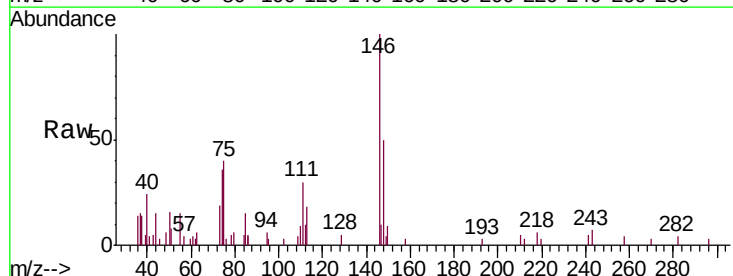
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

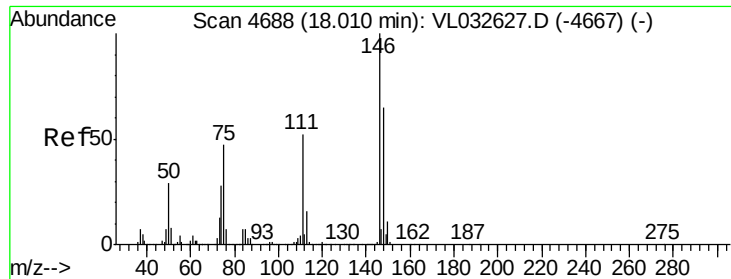
Tgt Ion:146 Resp: 5450
 Ion Ratio Lower Upper
 146 100
 111 0.0 24.4 73.2#
 148 0.0 31.9 95.9#



#76
 1,4-Dichlorobenzene
 Concen: 0.037 ppbv
 RT: 17.33 min Scan# 4476
 Delta R.T. -0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Tgt Ion:146 Resp: 5796
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.7 71.1#
 148 0.0 32.1 96.3#

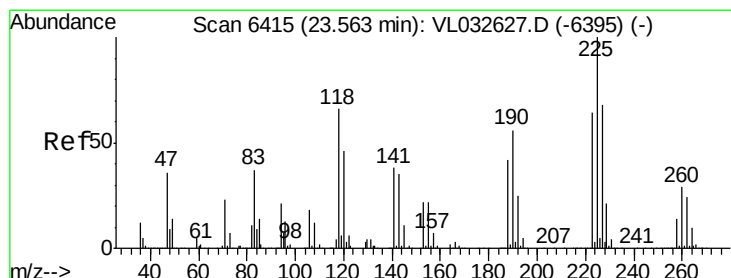
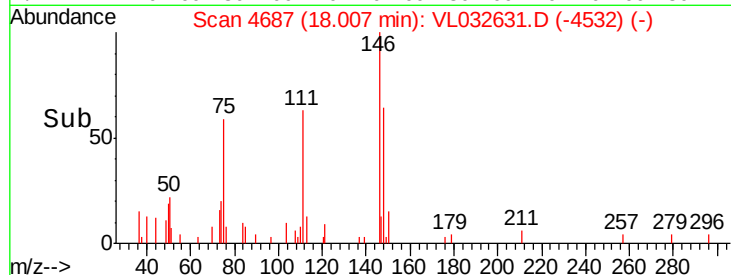
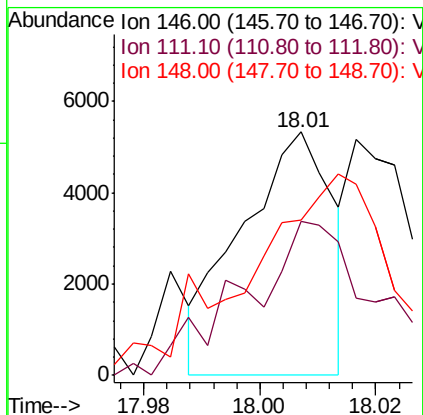
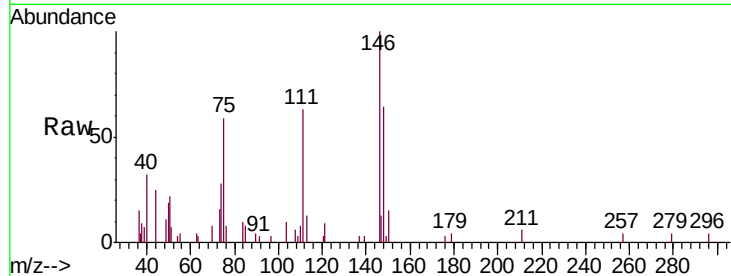




#77
 1,2-Dichlorobenzene
 Concen: 0.036 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

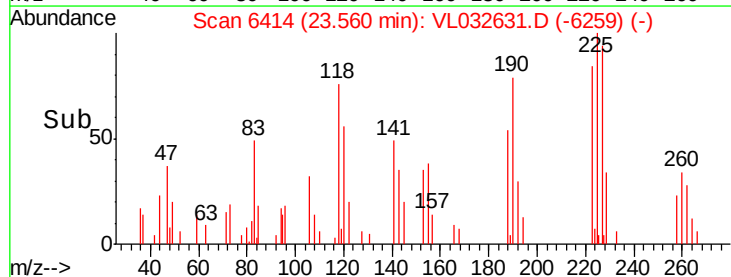
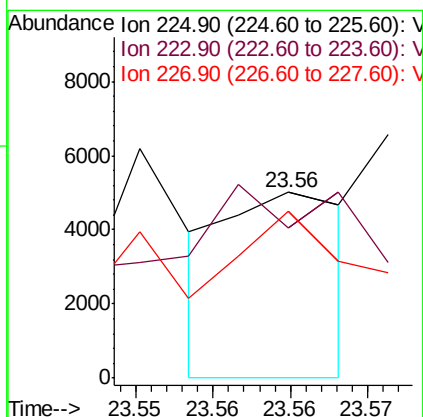
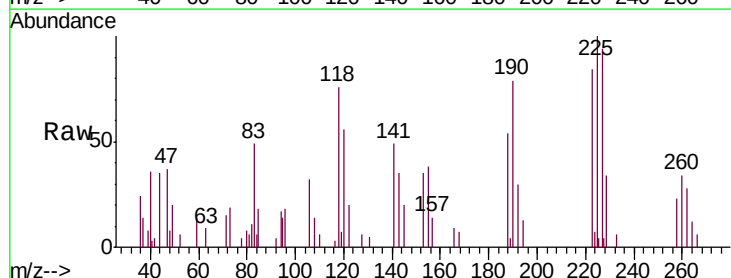
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

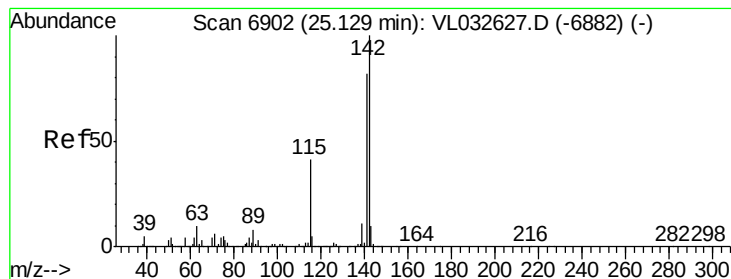
Tgt Ion:146 Resp: 5848
 Ion Ratio Lower Upper
 146 100
 111 107.0 25.3 75.8#
 148 0.0 31.9 95.9#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.034 ppbv
 RT: 23.56 min Scan# 6414
 Delta R.T. -0.00 min
 Lab File: VL032631.D
 Acq: 17 Oct 2018 5:19

Tgt Ion:225 Resp: 2716
 Ion Ratio Lower Upper
 225 100
 223 353.1 50.7 76.1#
 227 349.4 50.7 76.1#





#80

Naphthalene, 2-methyl-

Concen: 0.037 ppbv

RT: 25.14 min Scan# 6904

Delta R.T. 0.01 min

Lab File: VL032631.D

Acq: 17 Oct 2018 5:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

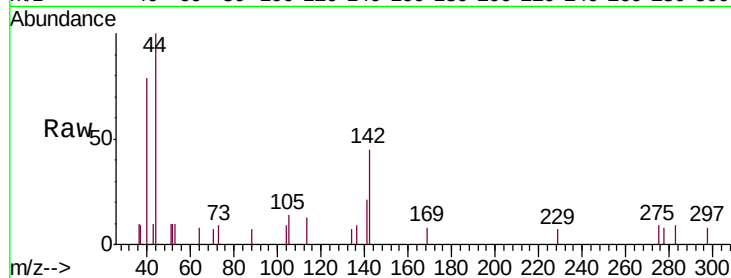
Tgt Ion:142 Resp: 1473

Ion Ratio Lower Upper

142 100

141 82.5 67.5 101.3

115 7.3 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

