

Data File : VL032630.D
Acq On : 17 Oct 2018 4:41
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Oct 17 06:43:47 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	1206984	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2736890	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2586715	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2050232	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.09	85	97748	0.642	ppbv 96
3) Chlorodifluoromethane	3.02	51	53294	0.529	ppbv 97
4) Chloromethane	3.18	50	12024	0.217	ppbv # 79
5) Vinyl Chloride	3.30	62	28216	0.508	ppbv 100
6) Bromomethane	3.53	94	18903	0.541	ppbv 86
7) Chloroethane	3.61	64	4716	0.216	ppbv 98
8) Dichlorotetrafluoroethane	3.23	85	76244	0.560	ppbv 100
9) Propene	3.05	41	17766	0.472	ppbv 98
10) Heptane	8.26	43	53920	0.394	ppbv 98
11) Trichlorofluoromethane	4.02	101	83663	0.563	ppbv 96
12) 1,1,2-Trichlorotrifluoroet	4.57	101	62916	0.569	ppbv 99
13) Ethanol	3.68	45	5757	0.547	ppbv 91
14) Bromoethene	3.81	108	20596	0.499	ppbv # 95
15) Acetone	3.93	43	60077	0.567	ppbv 94
16) 1,3-Butadiene	3.38	39	18091	0.428	ppbv 95
17) tert-Butyl alcohol	4.37	59	541	0.062	ppbv # 100
18) 1,1-Dichloroethene	4.37	96	21526	0.437	ppbv # 76
19) Isopropyl Alcohol	4.06	45	37308	0.543	ppbv # 92
20) Methylene Chloride	4.43	84	28793	0.593	ppbv 92
21) Allyl Chloride	4.50	41	40252	0.499	ppbv 97
22) trans-1,2-Dichloroethene	4.99	96	30979	0.541	ppbv 95
23) Vinyl Acetate	5.18	43	67257	0.403	ppbv # 96
24) 1,1-Dichloroethane	5.10	63	79235	0.537	ppbv 99
25) Ethyl Acetate	5.80	43	125930	0.512	ppbv 98
26) Hexane	5.80	57	51994	0.462	ppbv 82
27) Carbon Disulfide	4.64	76	67478	0.502	ppbv # 78
28) Methyl tert-Butyl Ether	5.15	73	59358	0.447	ppbv 97
29) Chloroform	5.86	83	107528	0.559	ppbv 96
30) Cyclohexane	7.26	84	13733	0.155	ppbv # 1
31) cis-1,2-Dichloroethene	5.66	61	45585	0.427	ppbv 96
32) 1,1,1-Trichloroethane	6.63	97	98872	0.532	ppbv 97
34) 2-Butanone	5.36	43	67417	0.478	ppbv 97
35) Carbon Tetrachloride	7.15	117	103173	0.525	ppbv 94
36) Benzene	7.02	78	89915	0.415	ppbv 97
37) 1,2-Dichloroethane	6.43	62	33743	0.234	ppbv # 84
38) Trichloroethene	7.98	130	34535	0.433	ppbv # 83
39) 1,2-Dichloropropane	7.75	63	41865	0.473	ppbv 87
41) Tetrahydrofuran	6.19	42	27160	0.345	ppbv 96
42) Bromodichloromethane	7.93	83	99370	0.492	ppbv 95
43) Methyl Methacrylate	8.16	69	20133	0.239	ppbv # 1
44) 2,2,4-Trimethylpentane	8.01	57	75270	0.195	ppbv # 44

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 17 05:31:40 2018
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) t-1,3-Dichloropropene	9.43	75	14579	0.138	ppbv	92
46) cis-1,3-Dichloropropene	8.85	75	24245	0.201	ppbv	94
47) 1,1,2-Trichloroethane	9.63	97	47851	0.455	ppbv	95
48) Dibromochloromethane	10.47	129	84368	0.483	ppbv	100
49) Bromoform	13.22	173	63846	0.479	ppbv	98
50) 4-Methyl-2-Pentanone	8.92	43	79299	0.366	ppbv	97
51) 2-Hexanone	10.32	43	53926	0.318	ppbv #	90
52) Tetrachloroethene	11.40	164	12221	0.175	ppbv	89
53) Toluene	9.97	91	84369	0.341	ppbv	99
54) 1,2-Dibromoethane	10.78	107	65098	0.442	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.30	131	28015	0.239	ppbv #	9
57) Chlorobenzene	12.32	112	101060	0.516	ppbv	89
58) Ethyl Benzene	12.89	91	71742	0.252	ppbv	90
59) m/p-Xylene	13.16	91	43331	0.168	ppbv #	1
60) o-Xylene	13.87	91	65522	0.257	ppbv #	64
61) Styrene	13.71	104	45222	0.289	ppbv	90
62) Isopropylbenzene	14.85	105	158959	0.438	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	55531	0.250	ppbv #	16
64) n-propylbenzene	15.74	120	18729	0.205	ppbv #	1
65) tert-Butylbenzene	16.93	119	128513	0.418	ppbv	89
66) Benzyl Chloride	17.17	91	34924	0.206	ppbv #	66
67) sec-Butylbenzene	17.48	105	204002	0.445	ppbv	100
69) p-Isopropyltoluene	17.84	119	133363	0.379	ppbv	93
70) n-Butylbenzene	18.74	91	155035	0.404	ppbv	97
71) 2-Chlorotoluene	15.63	91	53170	0.199	ppbv #	45
72) 4-Ethyltoluene	16.02	105	99867	0.363	ppbv #	94
73) 1,3,5-Trimethylbenzene	16.18	105	104616	0.382	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	137701	0.456	ppbv	92
75) 1,3-Dichlorobenzene	17.18	146	90656	0.517	ppbv	92
76) 1,4-Dichlorobenzene	17.32	146	41218	0.260	ppbv #	27
77) 1,2-Dichlorobenzene	18.00	146	39686	0.241	ppbv #	12
78) Hexachloro-1,3-Butadiene	23.56	225	23774	0.298	ppbv #	19
79) Naphthalene	22.45	128	18424	0.091	ppbv	95
80) Naphthalene,2-methyl-	25.14	142	7346	0.186	ppbv	87
81) 1,2,4-Trichlorobenzene	22.15	180	3199	0.032	ppbv #	12

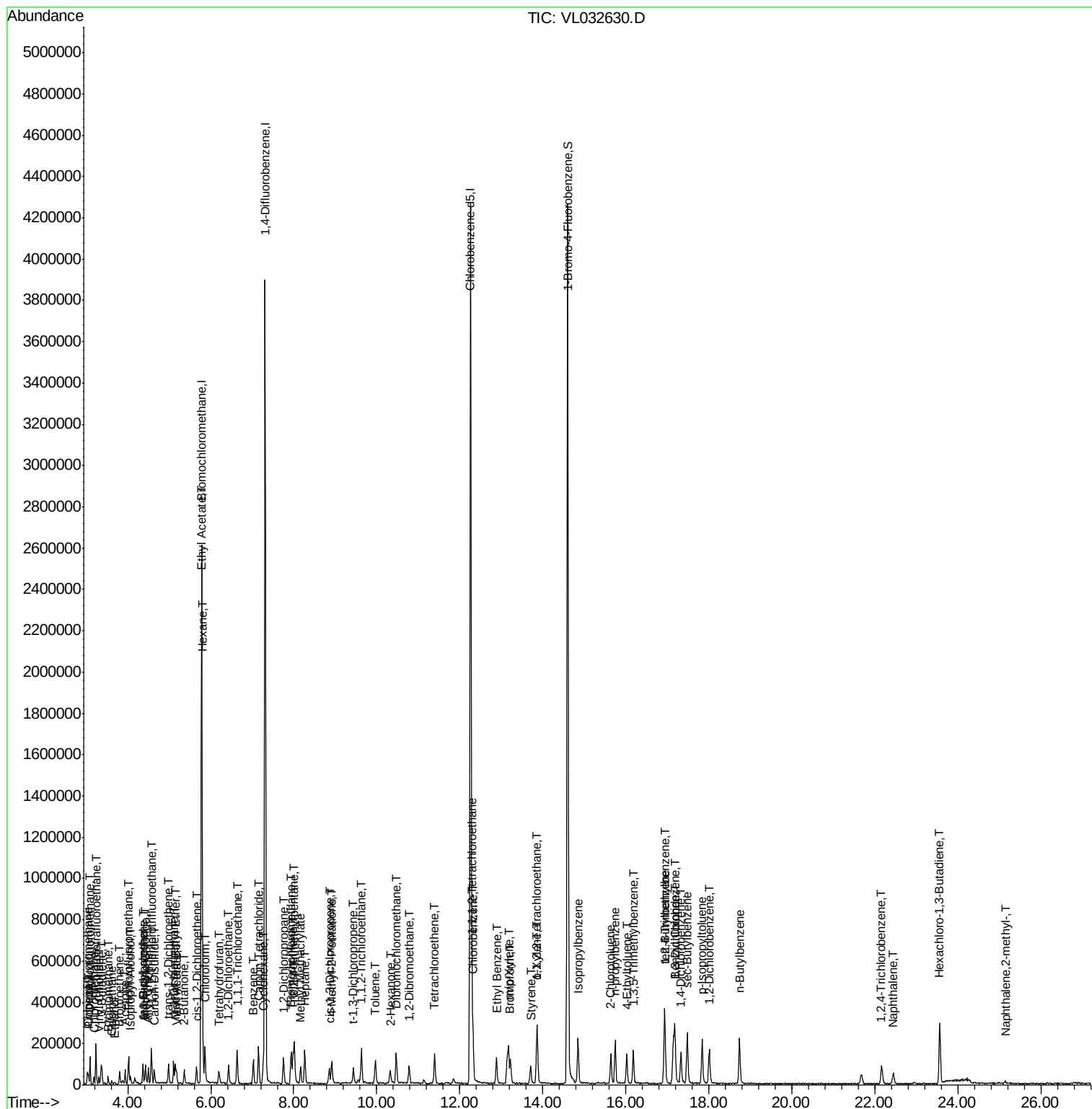
(#) = qualifier out of range (m) = manual integration (+) = signals summed

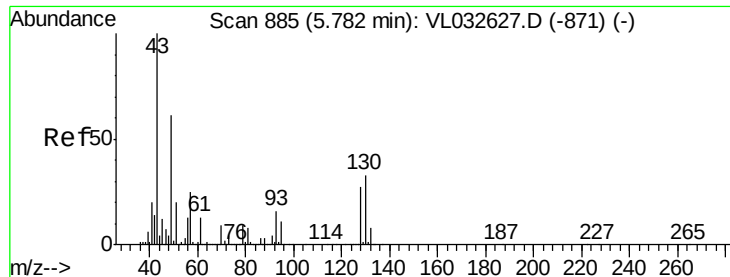
Data File : VL032630.D

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Acq On       : 17 Oct 2018    4:41
Operator     : SY/AP
Sample       : VSTDICC0.5
Misc         : 400ml/MSV0A_L
ALS Vial     : 1      Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.5

Quant Time: Oct 17 06:43:47 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

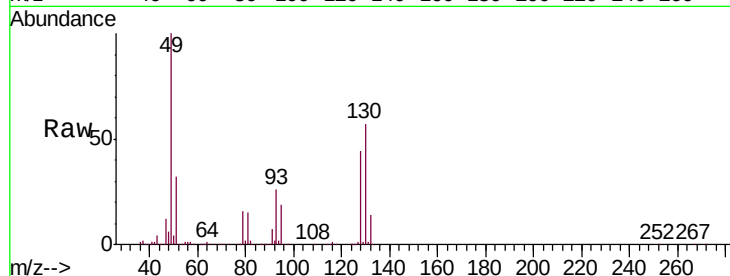
Tgt Ion: 49 Resp: 1206984

Ion Ratio Lower Upper

49 100

128 46.8 22.3 66.8

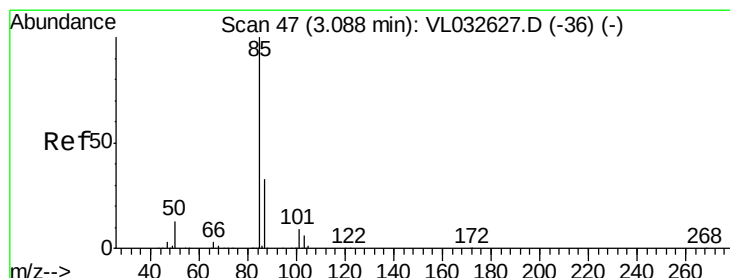
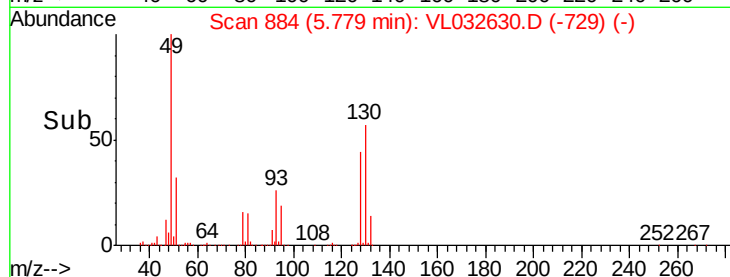
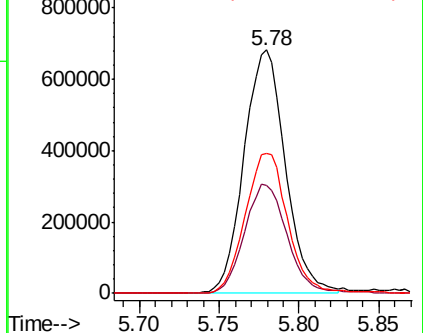
130 60.1 28.4 85.3



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: 0.642 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032630.D

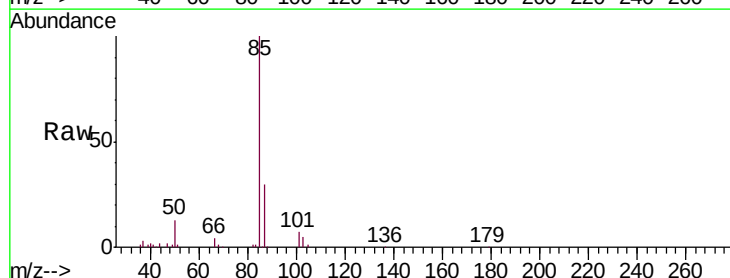
Acq: 17 Oct 2018 4:41

Tgt Ion: 85 Resp: 97748

Ion Ratio Lower Upper

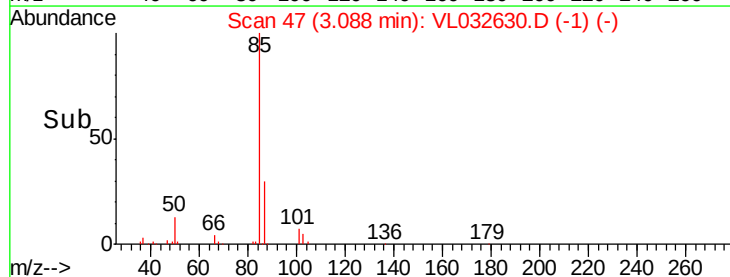
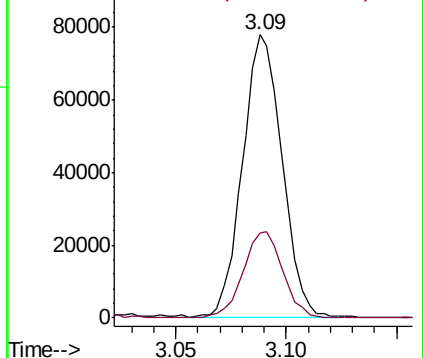
85 100

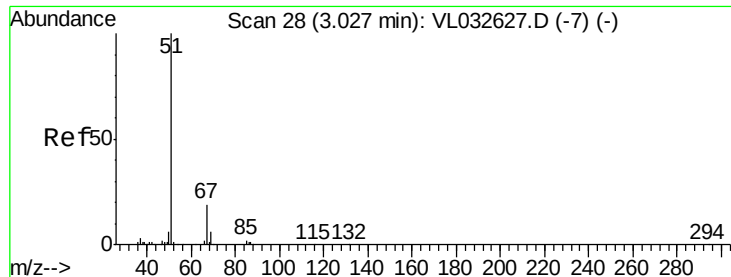
87 30.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

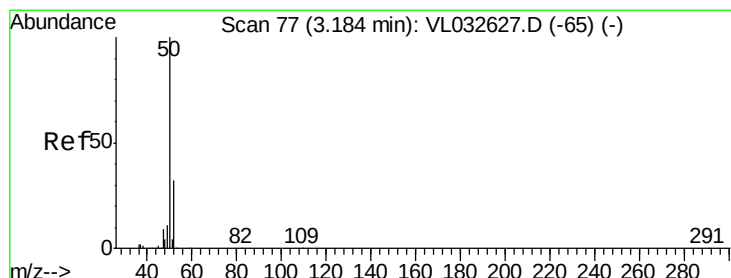
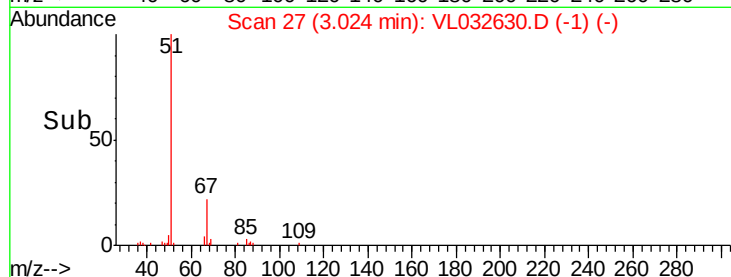
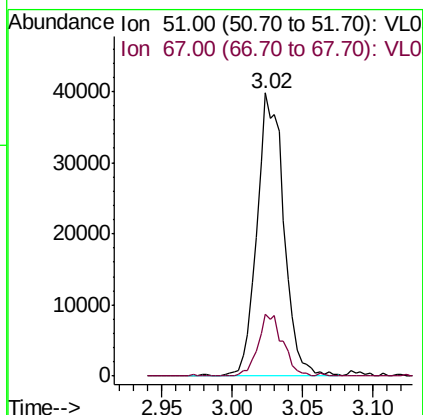
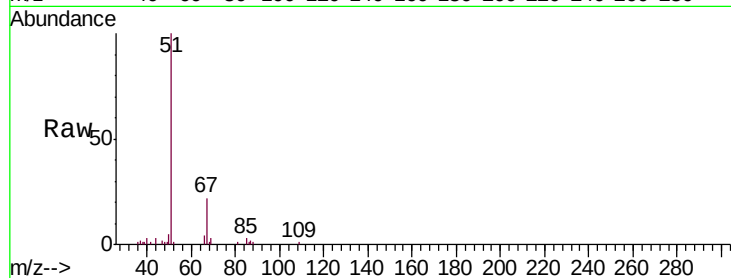




#3
Chlorodifluoromethane
Concen: 0.529 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

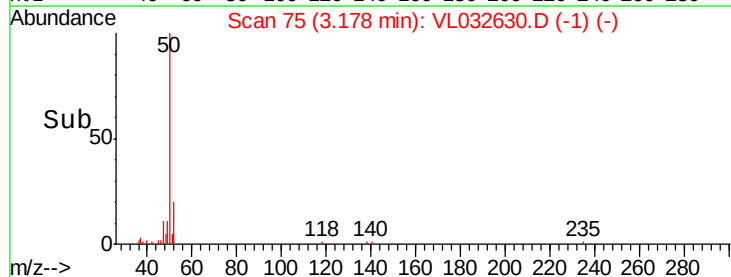
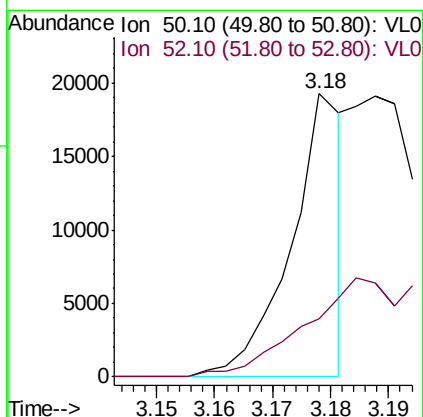
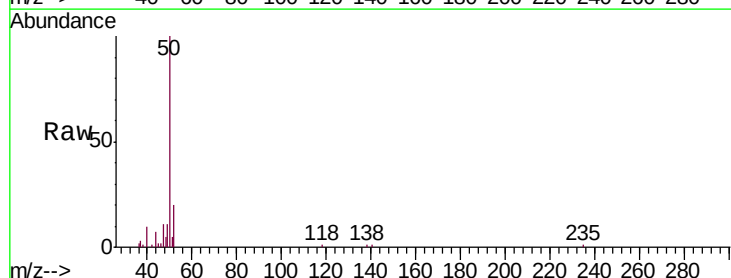
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

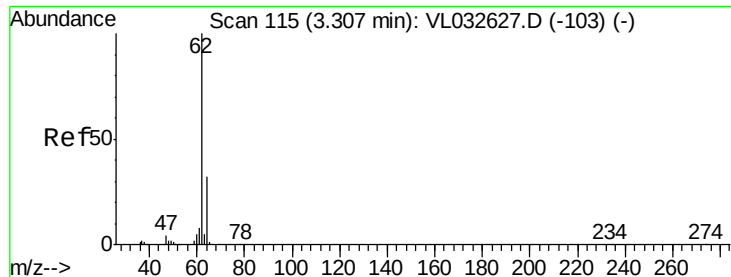
Tgt Ion: 51 Resp: 53294
Ion Ratio Lower Upper
51 100
67 20.4 15.2 22.8



#4
Chloromethane
Concen: 0.217 ppbv
RT: 3.18 min Scan# 75
Delta R.T. -0.01 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

Tgt Ion: 50 Resp: 12024
Ion Ratio Lower Upper
50 100
52 20.5 25.9 38.9#





#5

Vinyl Chloride

Concen: 0.508 ppbv

RT: 3.30 min Scan# 114

Delta R.T. -0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

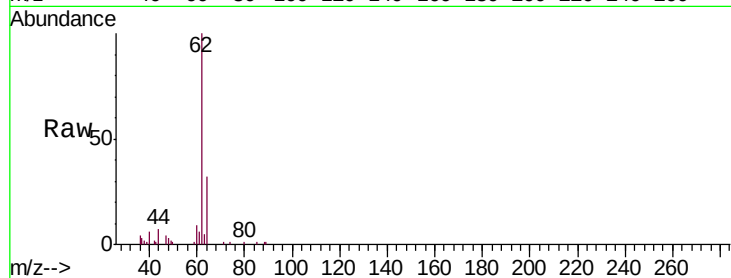
VSTDIC0.5

Tgt Ion: 62 Resp: 28216

Ion Ratio Lower Upper

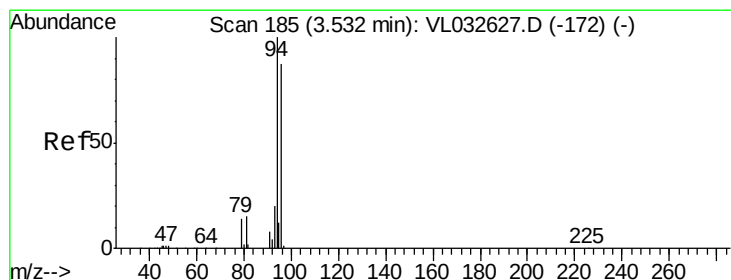
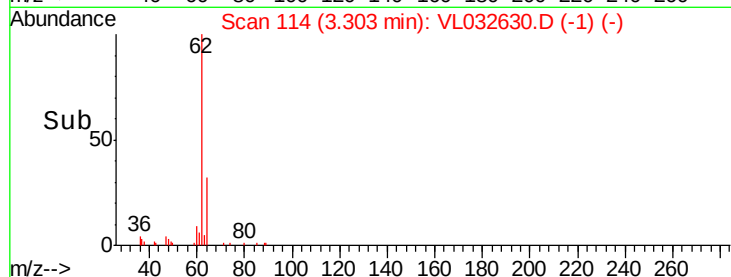
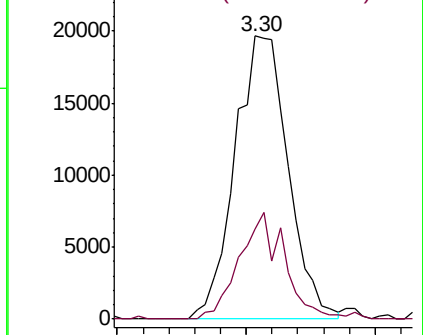
62 100

64 31.7 25.5 38.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.541 ppbv

RT: 3.53 min Scan# 185

Delta R.T. 0.00 min

Lab File: VL032630.D

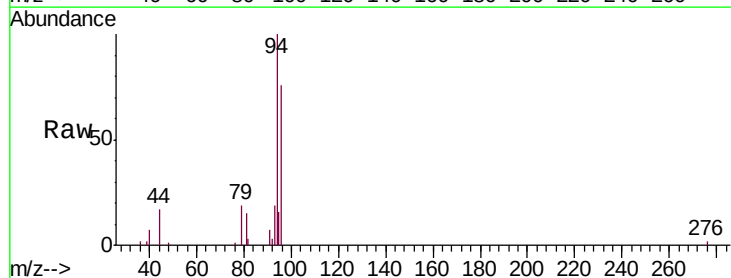
Acq: 17 Oct 2018 4:41

Tgt Ion: 94 Resp: 18903

Ion Ratio Lower Upper

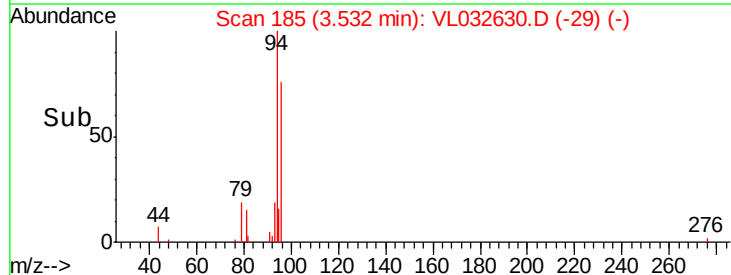
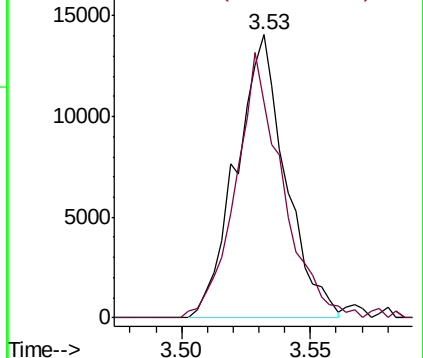
94 100

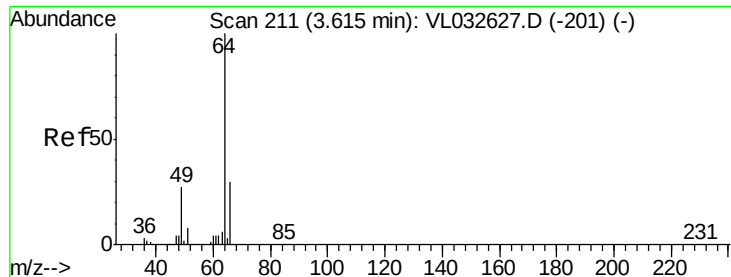
96 73.9 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.216 ppbv

RT: 3.61 min Scan# 209

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

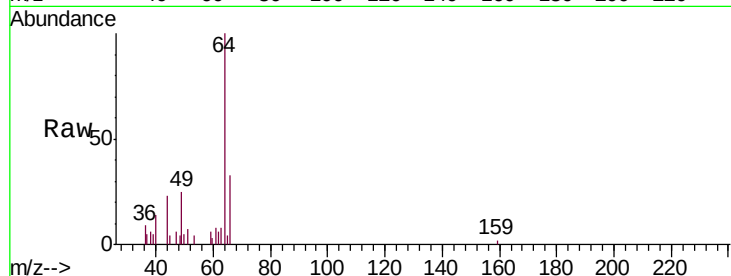
VSTDIC0.5

Tgt Ion: 64 Resp: 4716

Ion Ratio Lower Upper

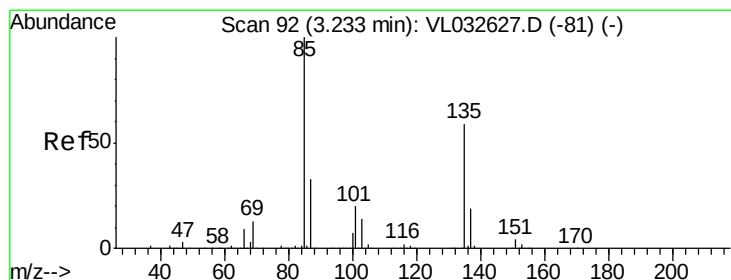
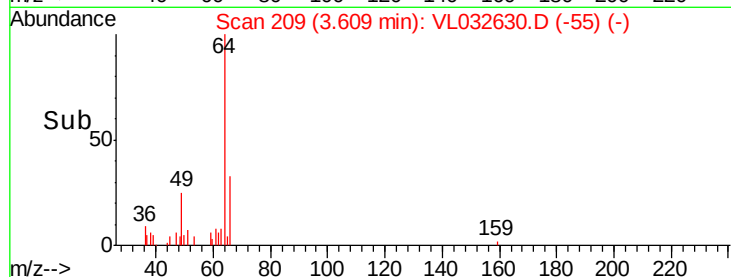
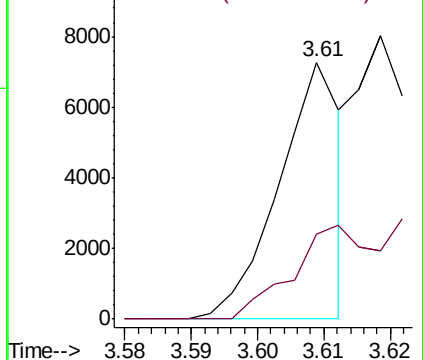
64 100

66 31.8 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: 0.560 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032630.D

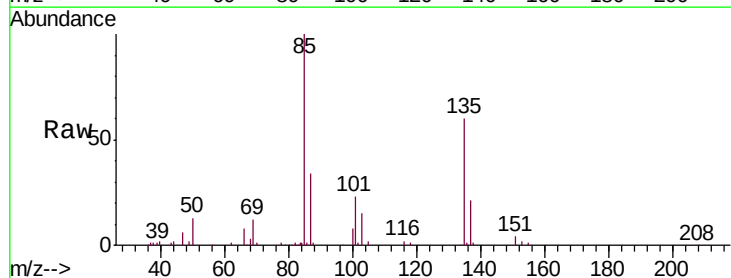
Acq: 17 Oct 2018 4:41

Tgt Ion: 85 Resp: 76244

Ion Ratio Lower Upper

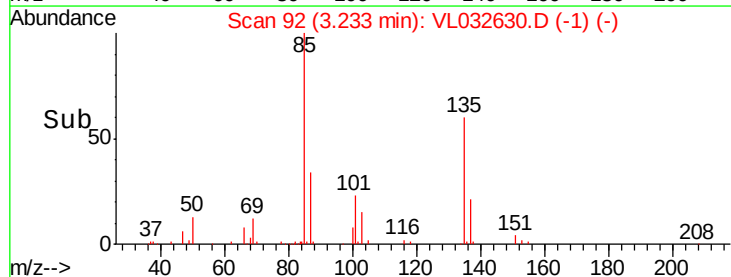
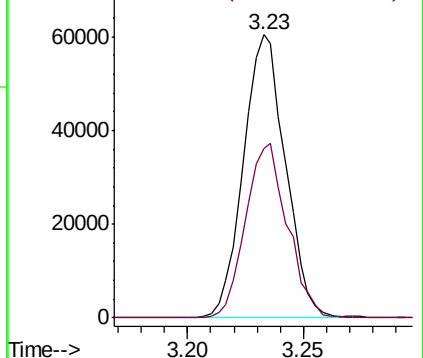
85 100

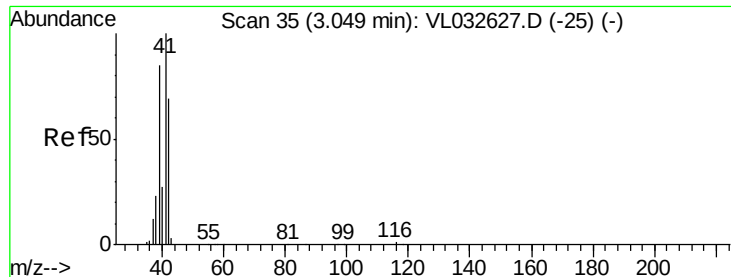
135 61.2 49.0 73.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.472 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

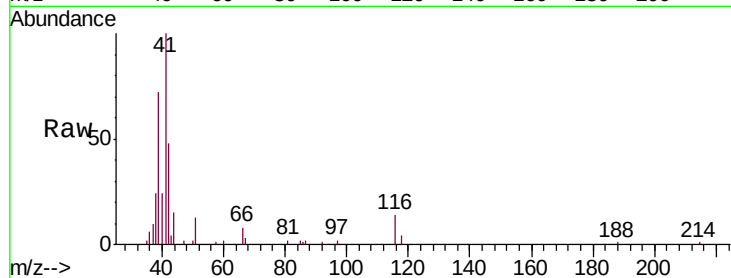
VSTDIC0.5

Tgt Ion: 41 Resp: 17766

Ion Ratio Lower Upper

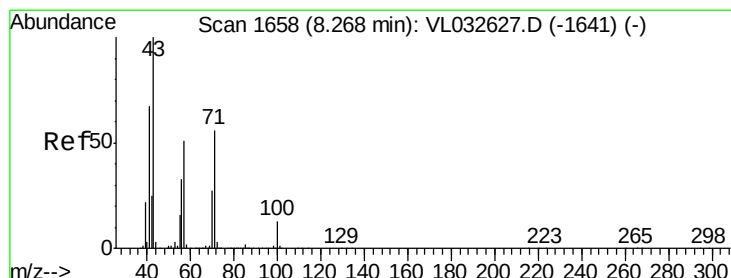
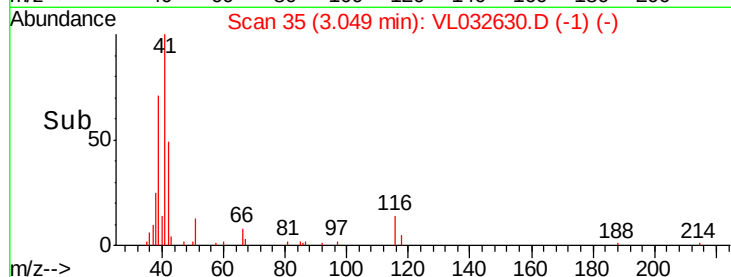
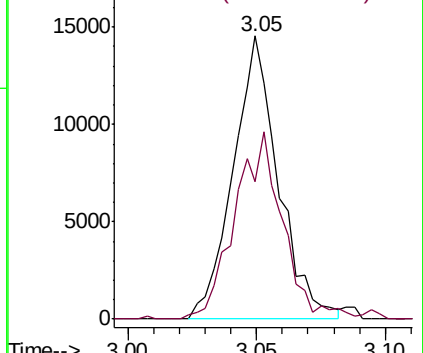
41 100

42 71.1 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.394 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL032630.D

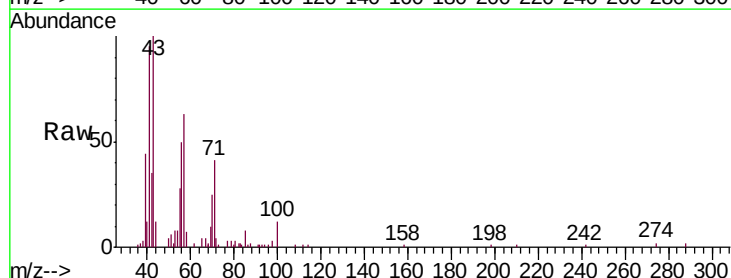
Acq: 17 Oct 2018 4:41

Tgt Ion: 43 Resp: 53920

Ion Ratio Lower Upper

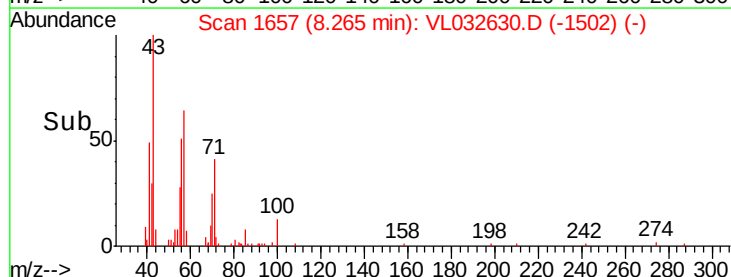
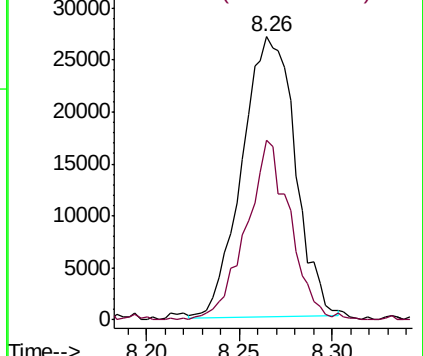
43 100

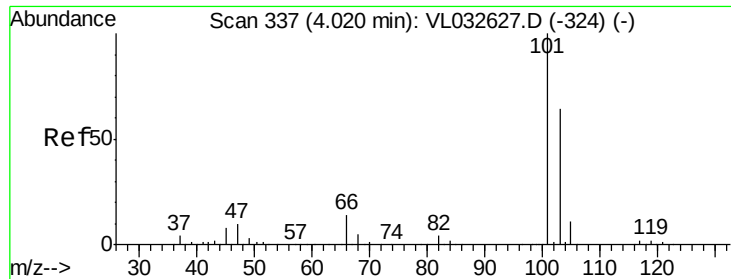
57 53.1 41.5 62.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

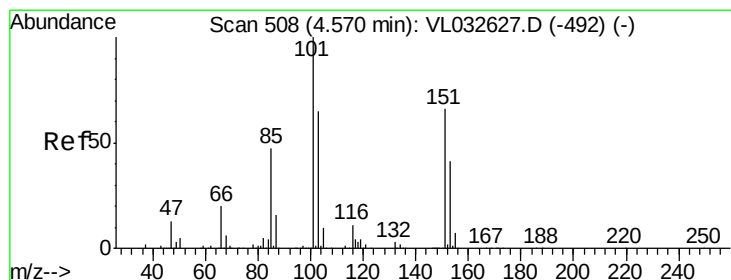
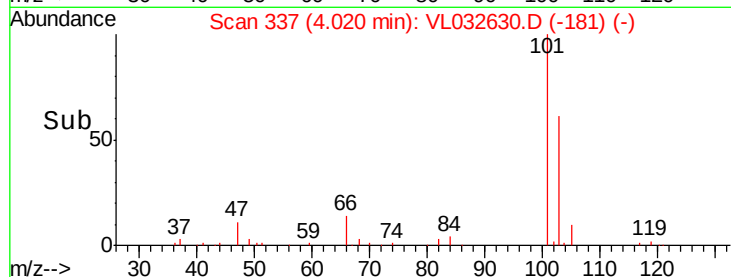
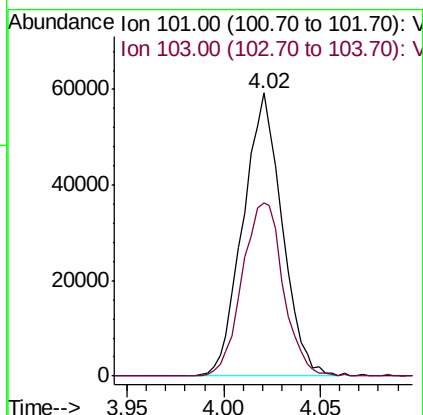
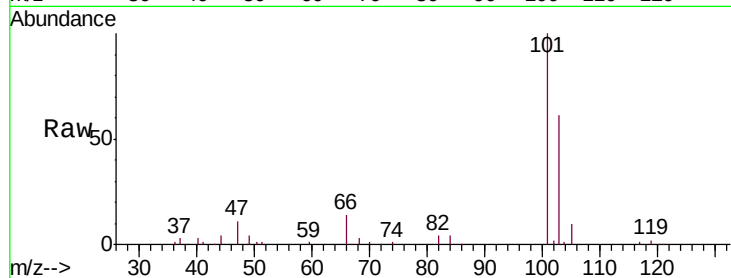




#11
 Trichlorofluoromethane
 Concen: 0.563 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

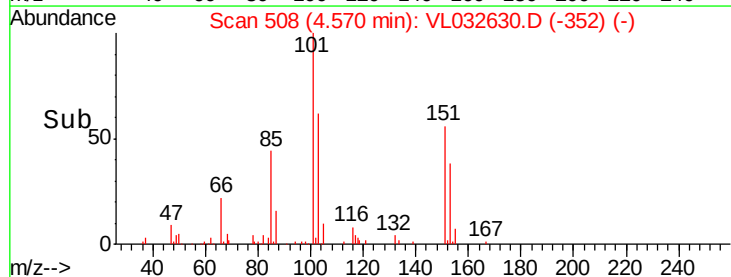
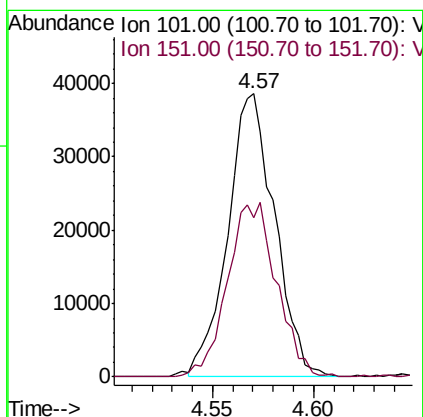
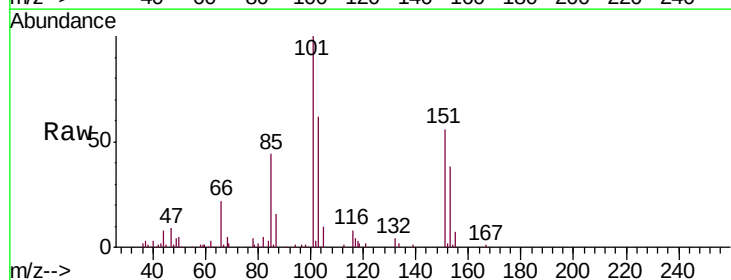
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

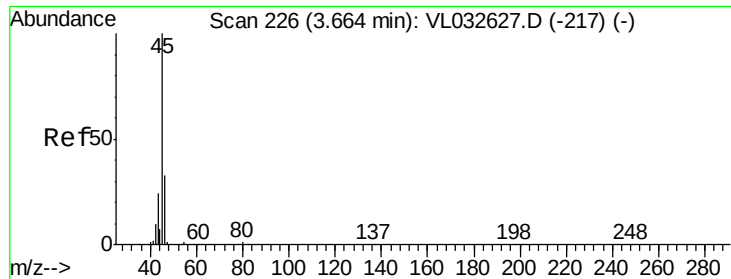
Tgt Ion:101 Resp: 83663
 Ion Ratio Lower Upper
 101 100
 103 61.1 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.569 ppbv
 RT: 4.57 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion:101 Resp: 62916
 Ion Ratio Lower Upper
 101 100
 151 64.3 52.3 78.5

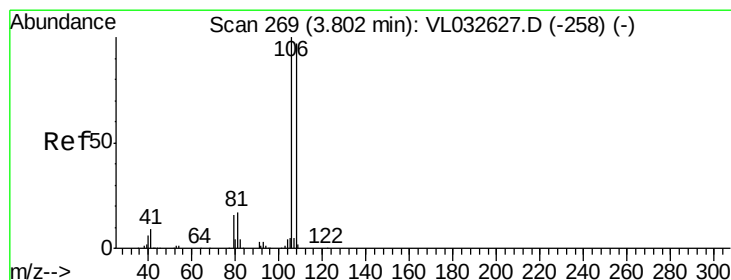
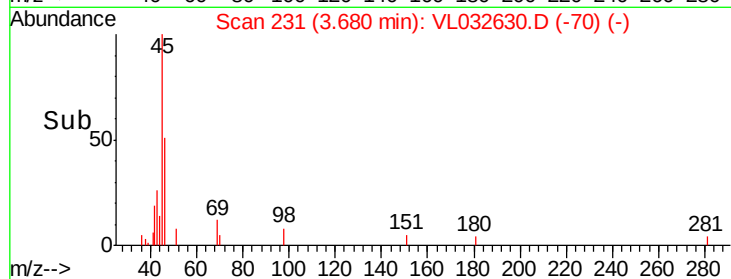
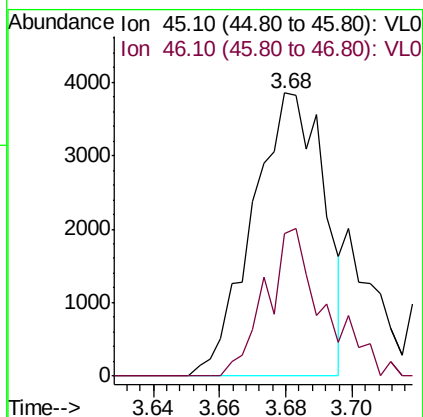
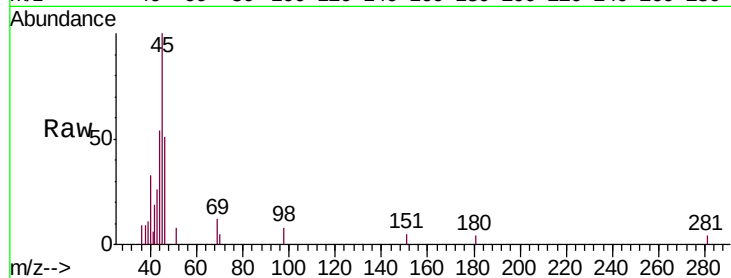




#13
Ethanol
Concen: 0.547 ppbv
RT: 3.68 min Scan# 231
Delta R.T. 0.02 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

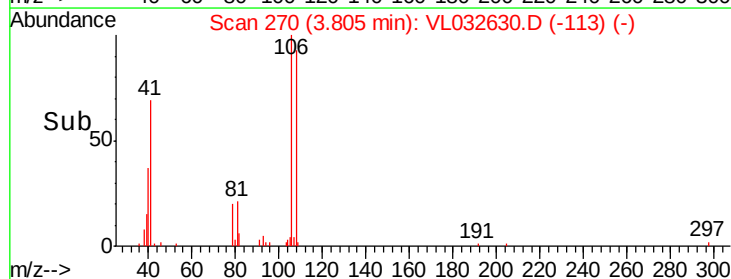
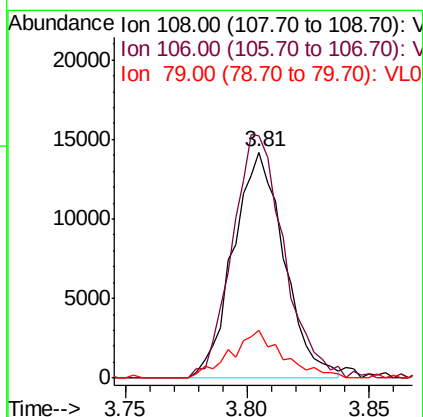
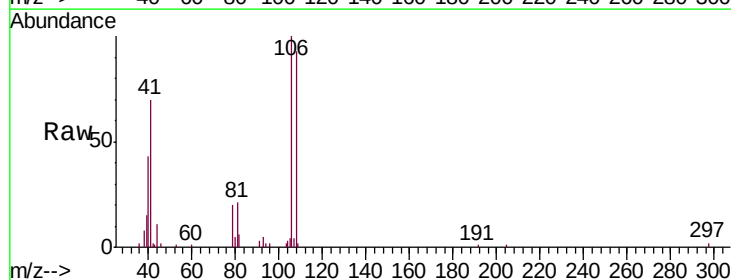
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

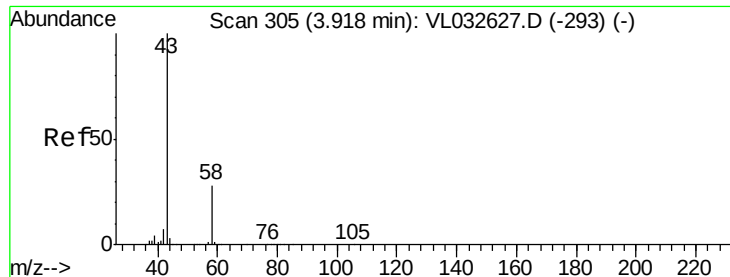
Tgt Ion: 45 Resp: 5757
Ion Ratio Lower Upper
45 100
46 43.9 15.4 61.8



#14
Bromoethene
Concen: 0.499 ppbv
RT: 3.81 min Scan# 270
Delta R.T. 0.00 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

Tgt Ion: 108 Resp: 20596
Ion Ratio Lower Upper
108 100
106 110.2 85.0 127.4
79 21.5 13.7 20.5#





#15

Acetone

Concen: 0.567 ppbv

RT: 3.93 min Scan# 310

Delta R.T. 0.02 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

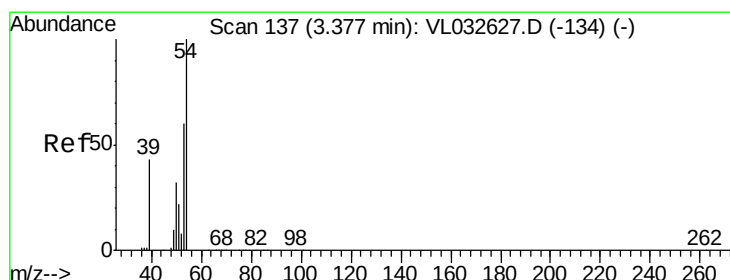
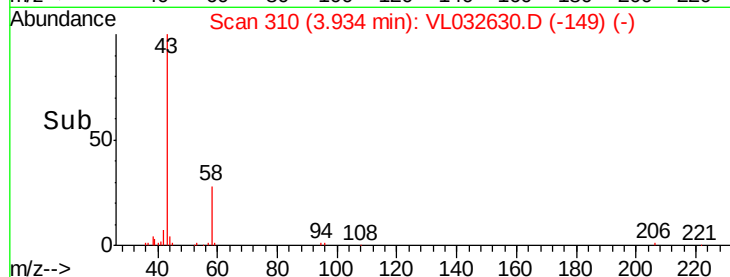
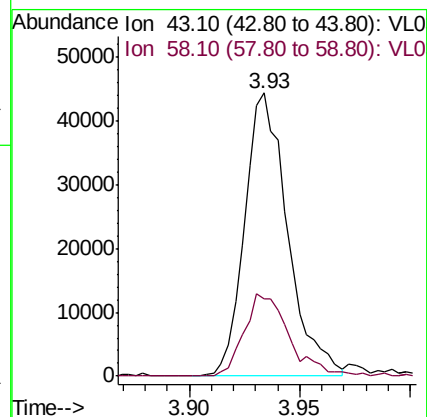
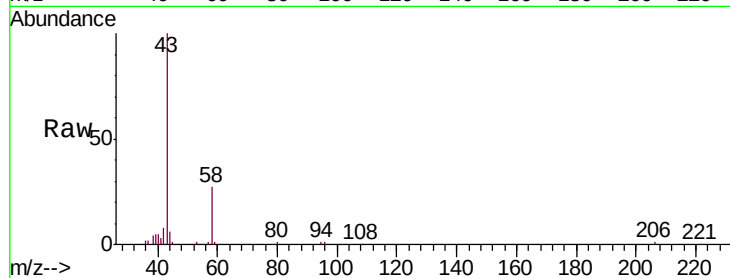
VSTDIC0.5

Tgt Ion: 43 Resp: 60077

Ion Ratio Lower Upper

43 100

58 31.0 22.1 33.1



#16

1,3-Butadiene

Concen: 0.428 ppbv

RT: 3.38 min Scan# 138

Delta R.T. 0.00 min

Lab File: VL032630.D

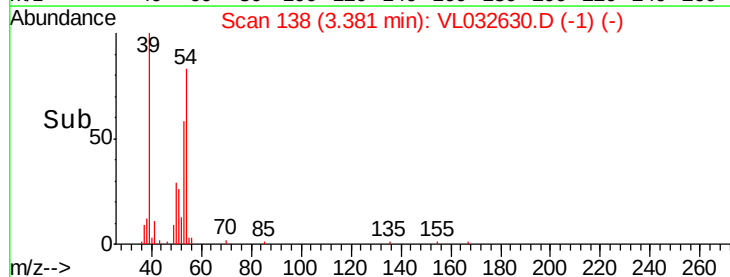
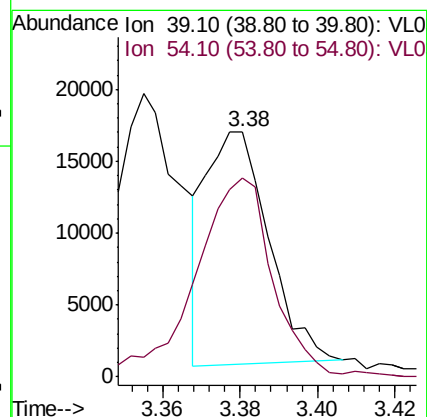
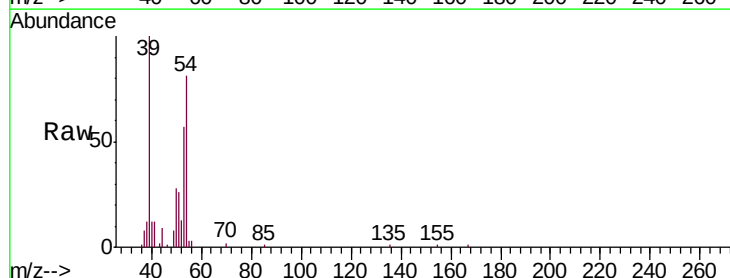
Acq: 17 Oct 2018 4:41

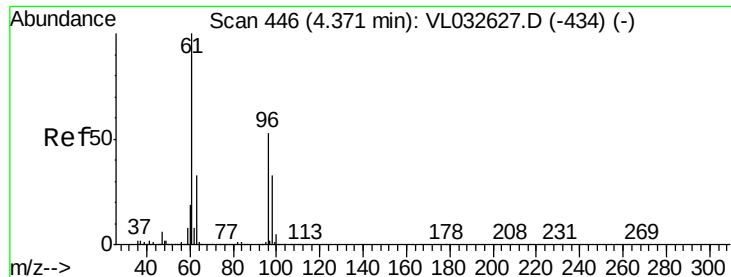
Tgt Ion: 39 Resp: 18091

Ion Ratio Lower Upper

39 100

54 108.2 90.4 135.6





#17

tert-Butyl alcohol

Concen: 0.062 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

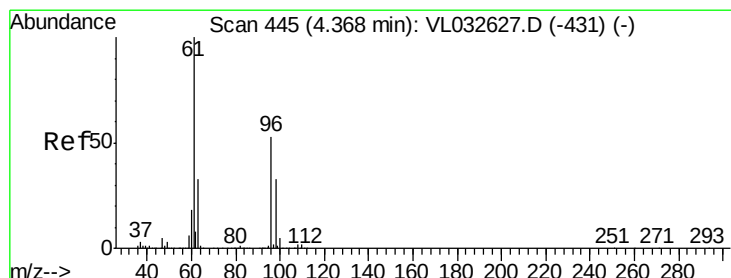
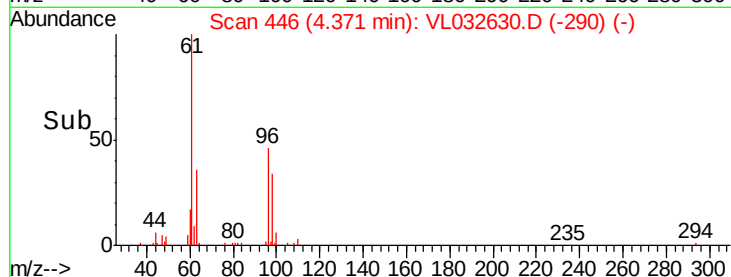
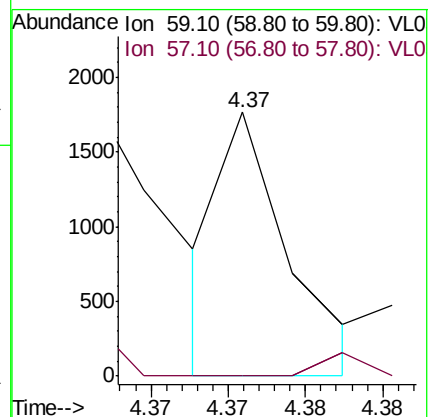
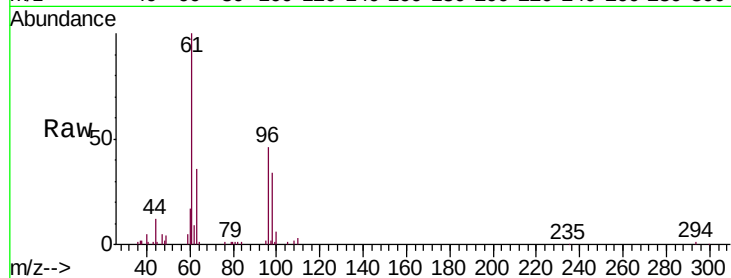
VSTDIC0.5

Tgt Ion: 59 Resp: 541

Ion Ratio Lower Upper

59 100

57 0.0 0.0 0.0



#18

1,1-Dichloroethene

Concen: 0.437 ppbv

RT: 4.37 min Scan# 445

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

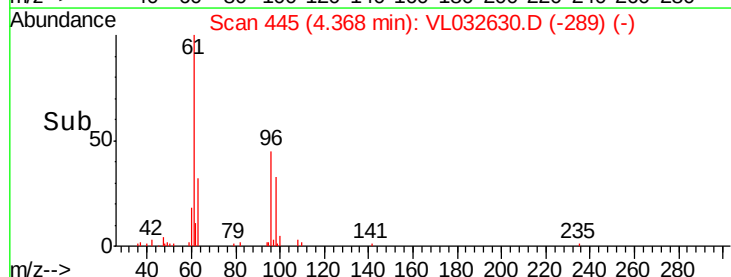
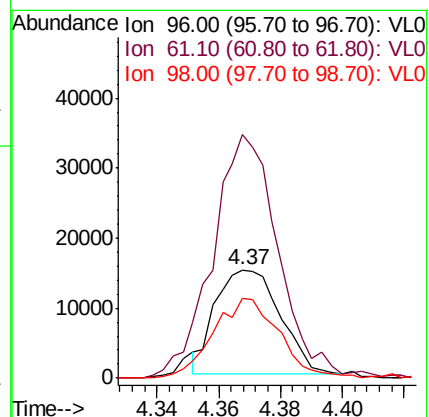
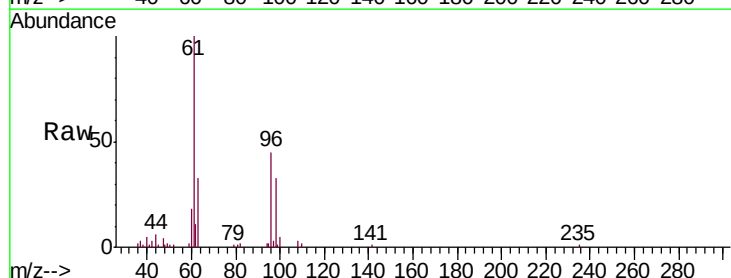
Tgt Ion: 96 Resp: 21526

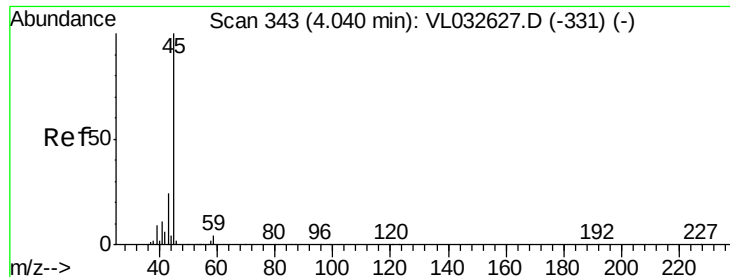
Ion Ratio Lower Upper

96 100

61 229.9 151.6 227.4#

98 73.3 50.6 75.8





#19

Isopropyl Alcohol

Concen: 0.543 ppbv

RT: 4.06 min Scan# 349

Delta R.T. 0.02 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

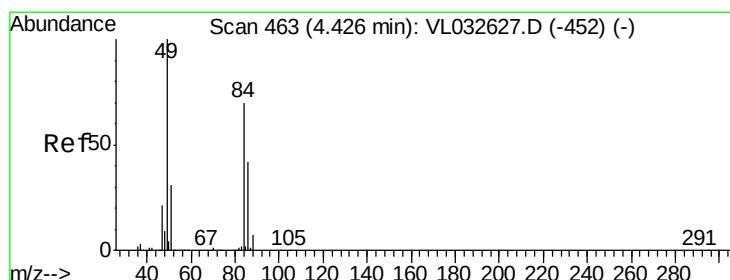
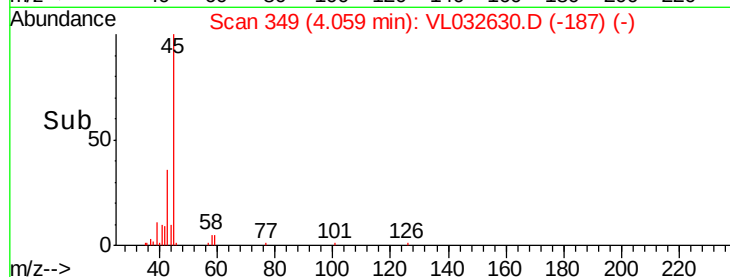
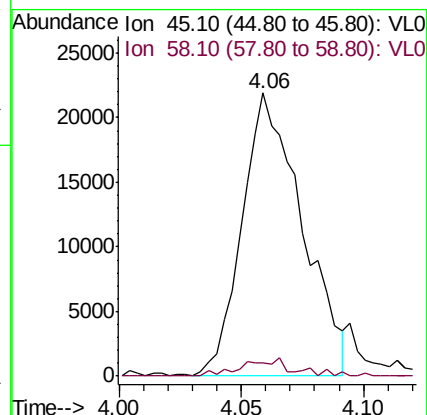
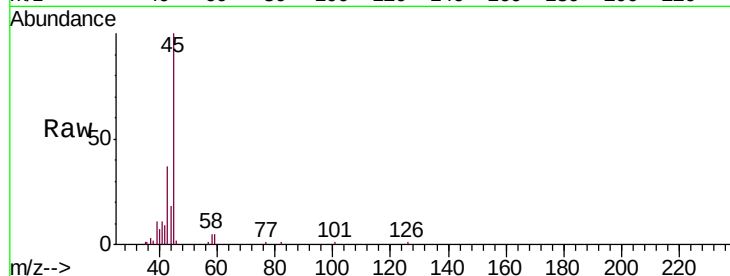
VSTDIC0.5

Tgt Ion: 45 Resp: 37308

Ion Ratio Lower Upper

45 100

58 5.2 2.0 3.0#



#20

Methylene Chloride

Concen: 0.593 ppbv

RT: 4.43 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Tgt Ion: 84 Resp: 28793

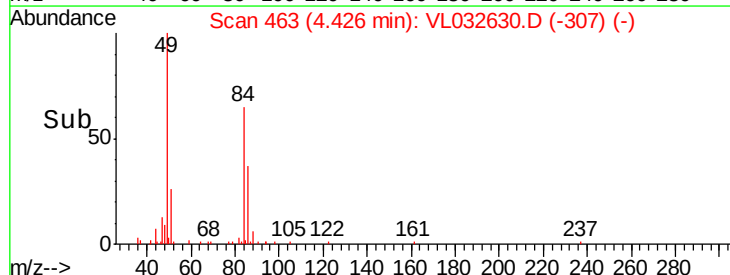
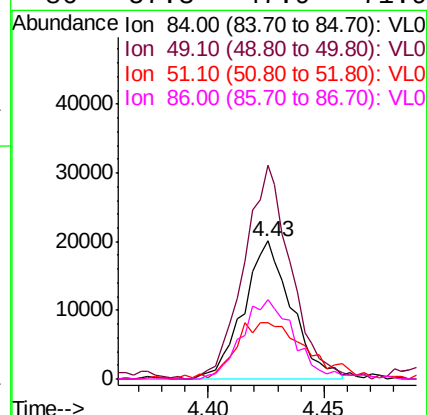
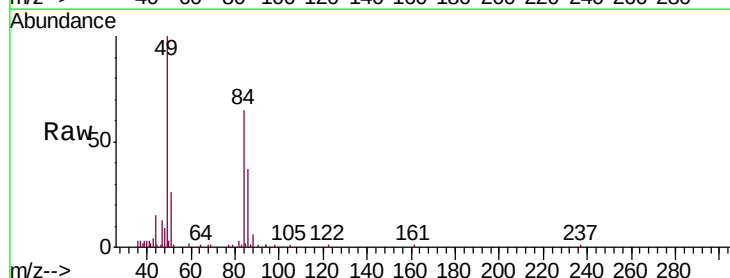
Ion Ratio Lower Upper

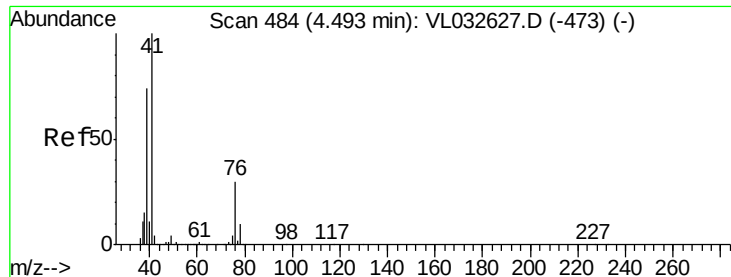
84 100

49 154.7 113.5 170.3

51 40.0 34.8 52.2

86 57.3 47.9 71.9

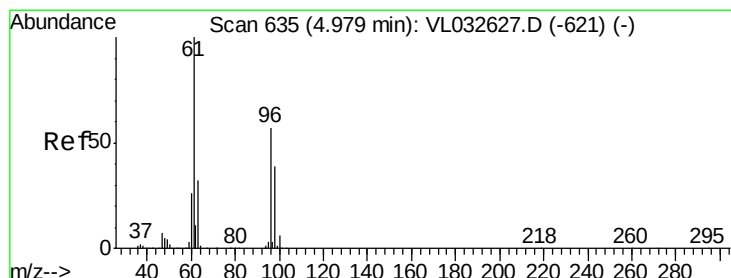
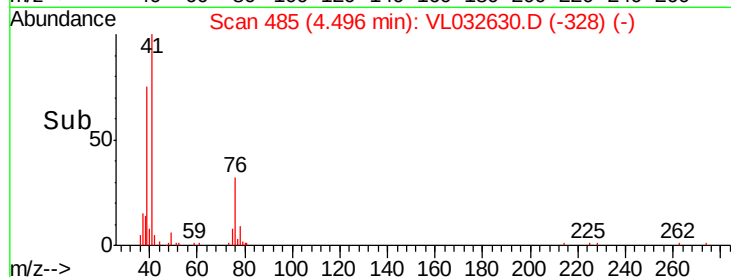
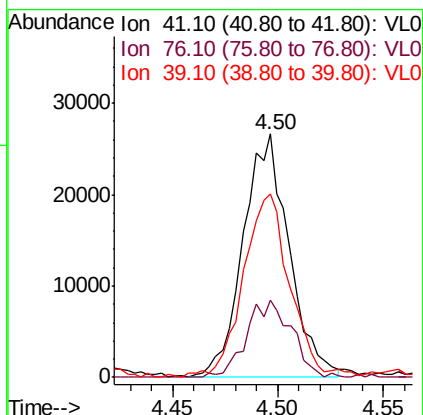
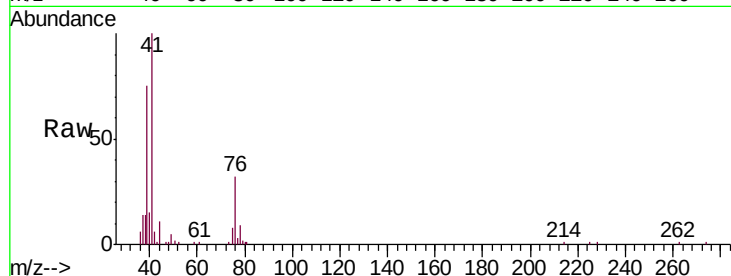




#21
 Allyl Chloride
 Concen: 0.499 ppbv
 RT: 4.50 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

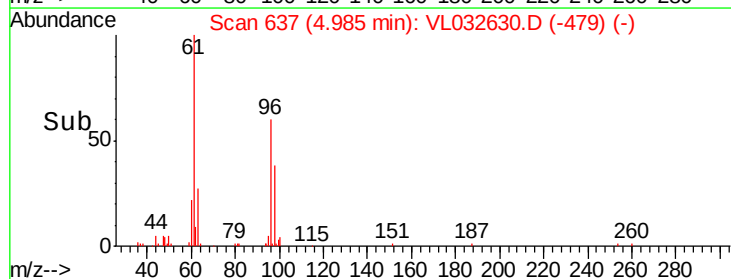
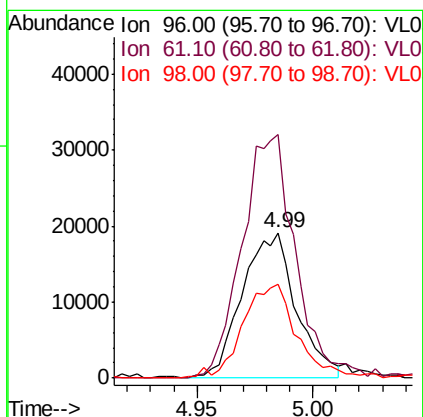
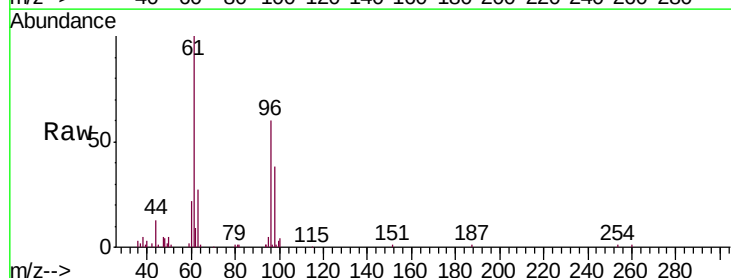
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

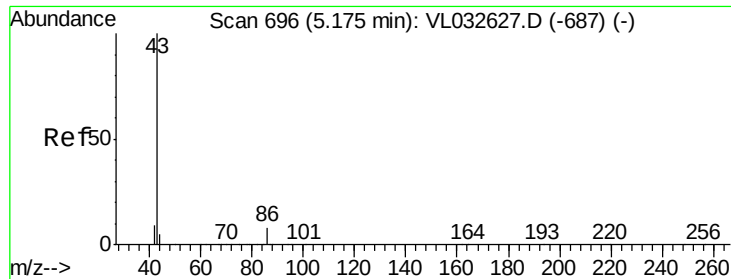
Tgt Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.3	36.5
39	78.9	60.3	90.5



#22
 trans-1,2-Dichloroethene
 Concen: 0.541 ppbv
 RT: 4.99 min Scan# 637
 Delta R.T. 0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.7	140.4	210.6
98	65.1	55.0	82.6

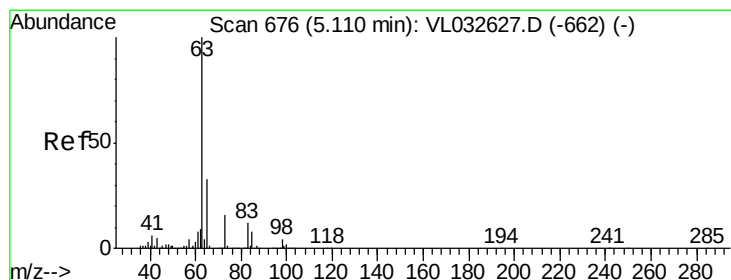
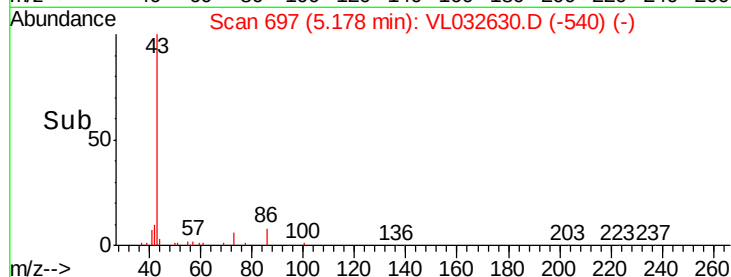
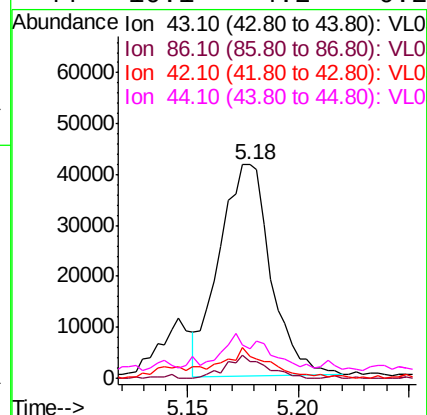
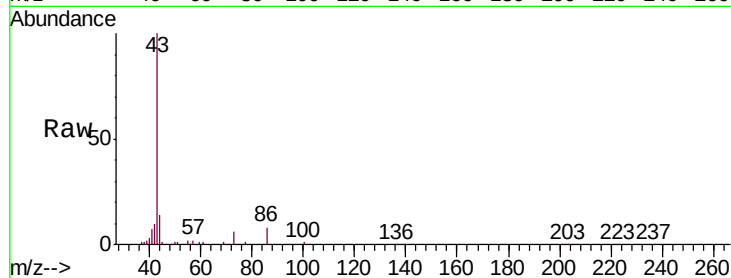




#23
 Vinyl Acetate
 Concen: 0.403 ppbv
 RT: 5.18 min Scan# 697
 Delta R.T. 0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

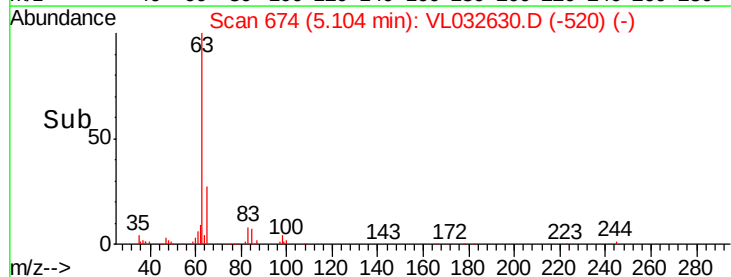
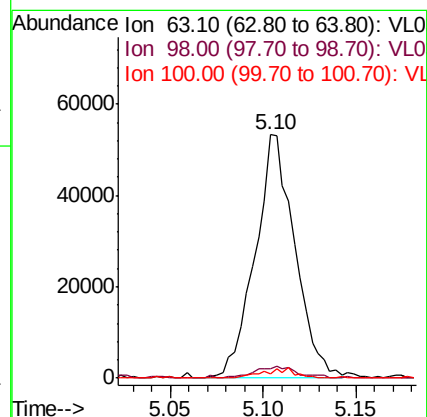
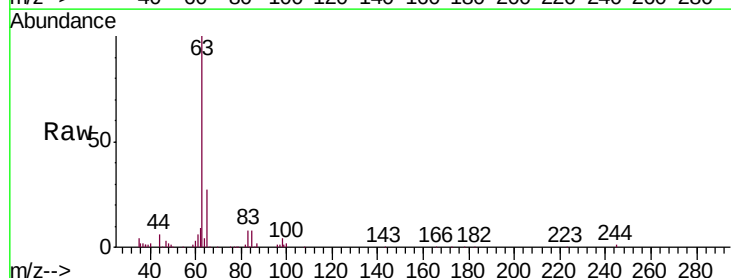
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

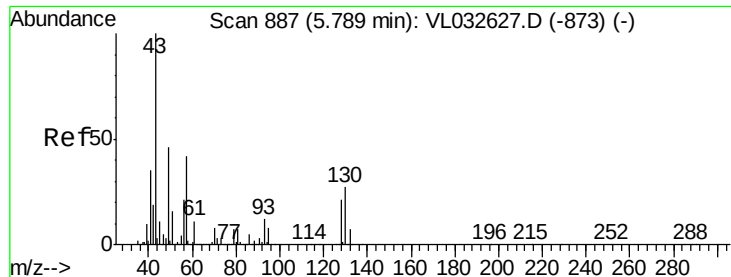
Tgt Ion:	43	Resp:	67257
Ion	Ratio	Lower	Upper
43	100		
86	8.2	6.1	9.1
42	9.1	7.4	11.2
44	10.1	4.2	6.2#



#24
 1,1-Dichloroethane
 Concen: 0.537 ppbv
 RT: 5.10 min Scan# 674
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion:	63	Resp:	79235
Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	1.9	1.2	3.6

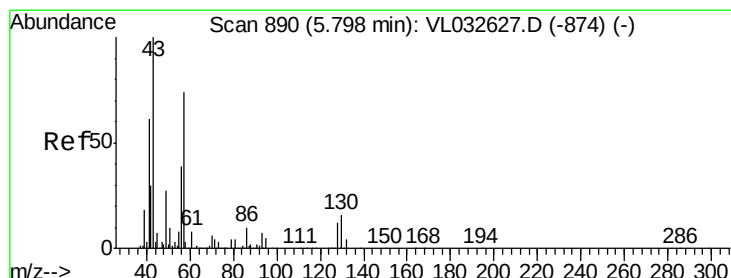
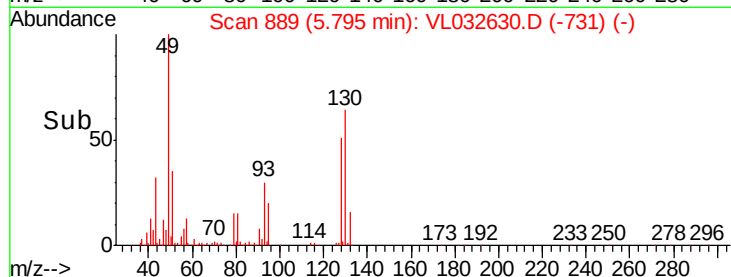
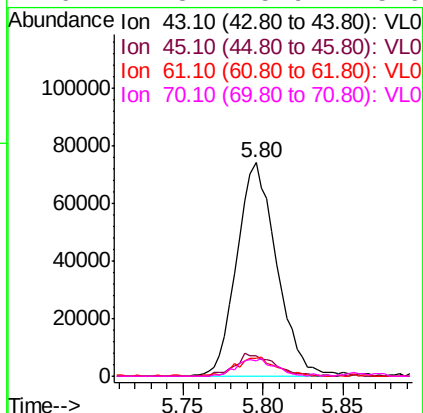
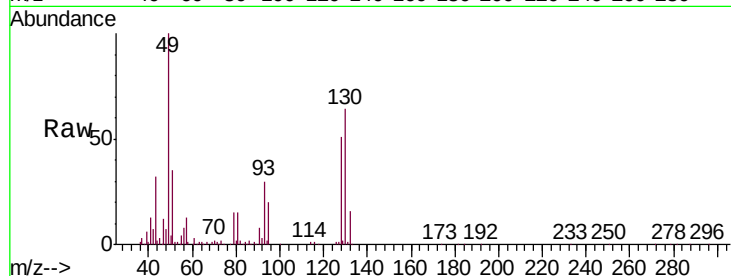




#25
Ethyl Acetate
Concen: 0.512 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.01 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

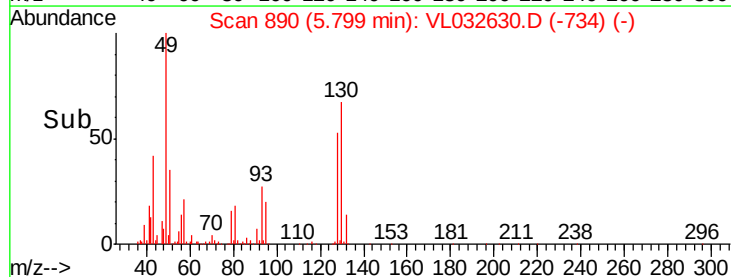
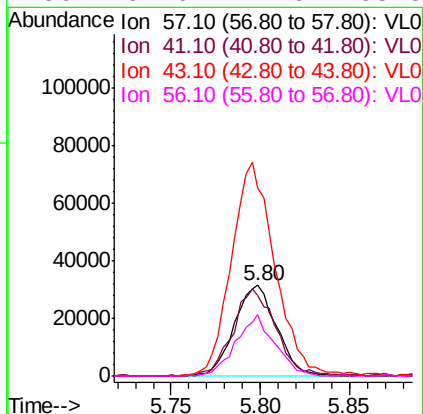
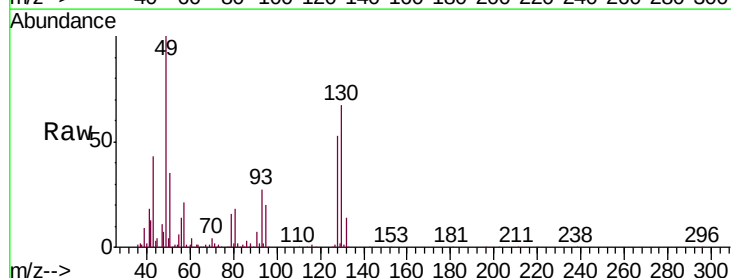
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

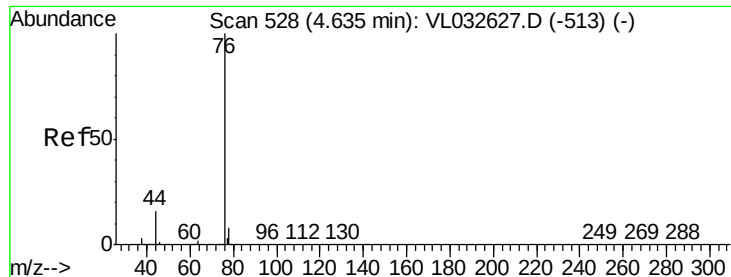
Tgt Ion:	43	Resp:	125930
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.0	12.0
61	8.9	8.0	12.0
70	7.8	5.9	8.9



#26
Hexane
Concen: 0.462 ppbv
RT: 5.80 min Scan# 890
Delta R.T. 0.00 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

Tgt Ion:	57	Resp:	51994
Ion	Ratio	Lower	Upper
57	100		
41	100.2	67.4	101.0
43	244.7	171.9	257.9
56	62.6	42.6	63.8





#27

Carbon Disulfide

Concen: 0.502 ppbv

RT: 4.64 min Scan# 530

Delta R.T. 0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

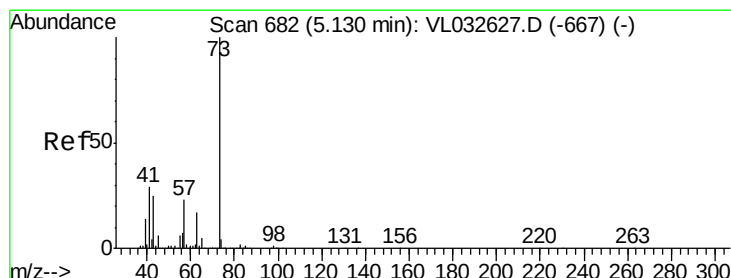
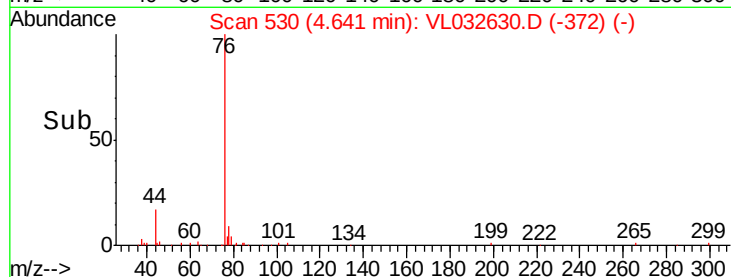
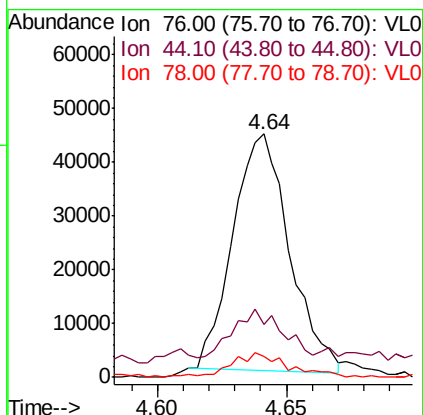
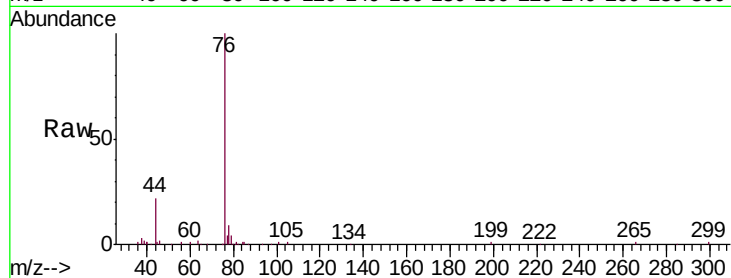
Tgt Ion: 76 Resp: 67478

Ion Ratio Lower Upper

76 100

44 30.6 13.7 20.5#

78 10.8 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 0.447 ppbv

RT: 5.15 min Scan# 687

Delta R.T. 0.02 min

Lab File: VL032630.D

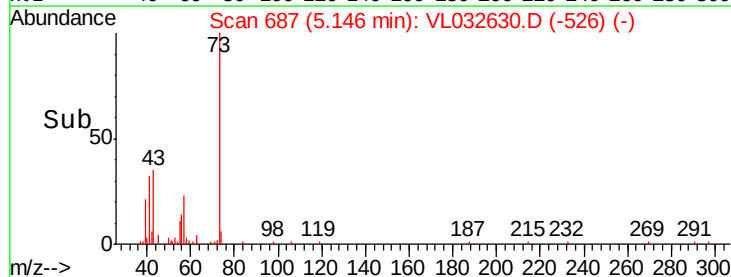
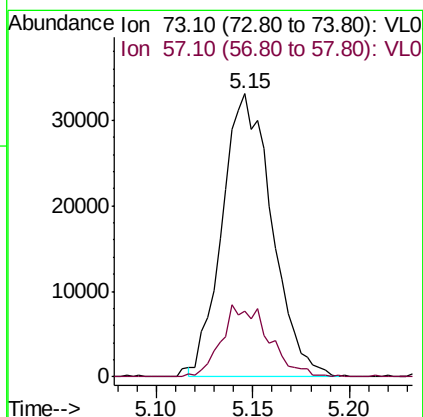
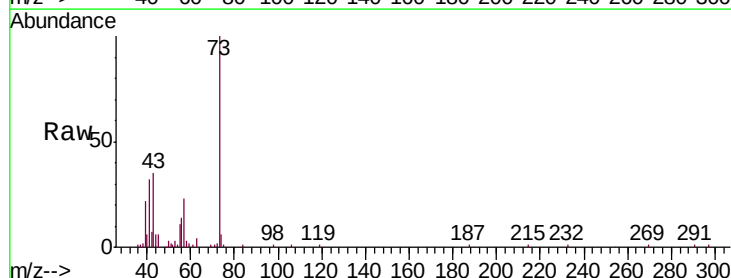
Acq: 17 Oct 2018 4:41

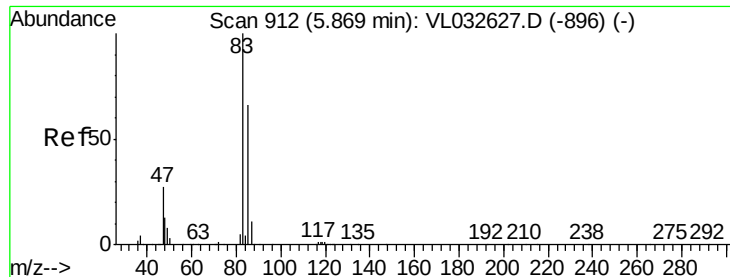
Tgt Ion: 73 Resp: 59358

Ion Ratio Lower Upper

73 100

57 23.9 18.0 27.0





#29

Chloroform

Concen: 0.559 ppbv

RT: 5.86 min Scan# 909

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

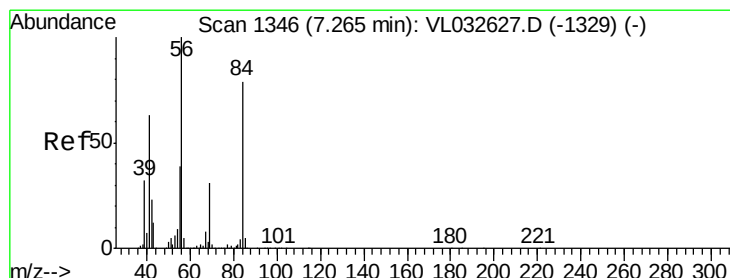
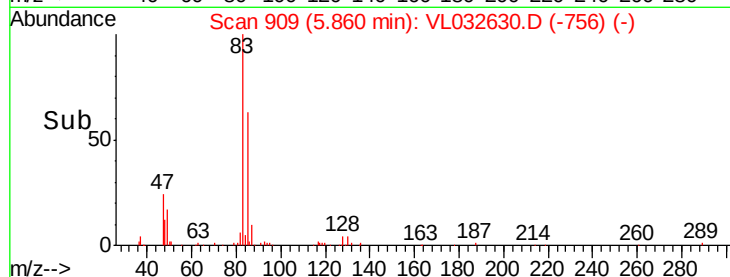
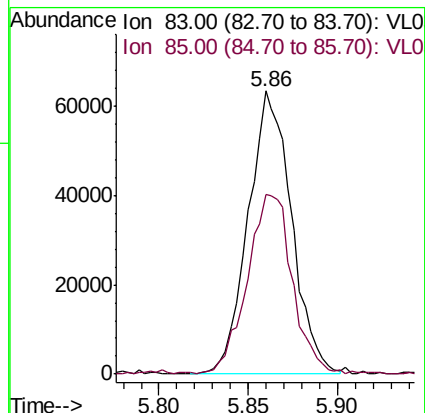
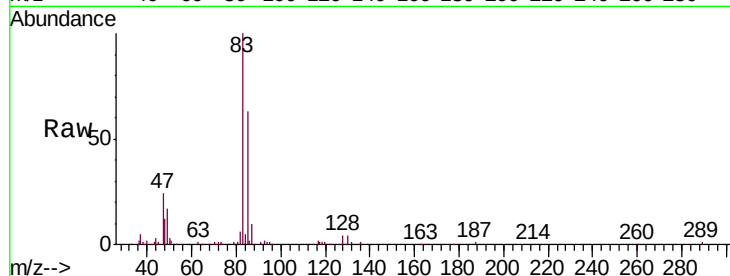
VSTDIC0.5

Tgt Ion: 83 Resp: 107528

Ion Ratio Lower Upper

83 100

85 62.8 53.0 79.6



#30

Cyclohexane

Concen: 0.155 ppbv

RT: 7.26 min Scan# 1344

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

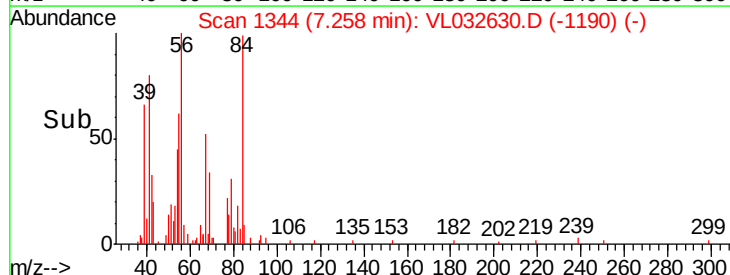
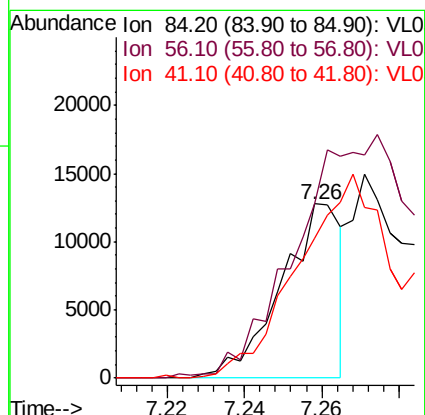
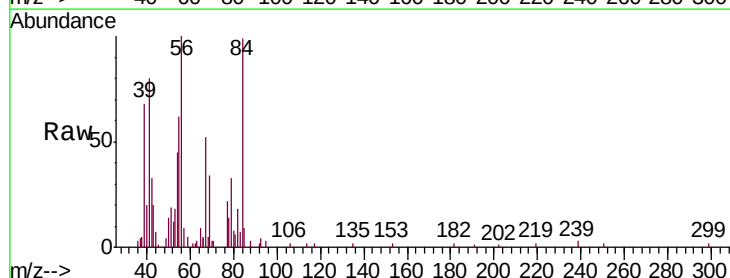
Tgt Ion: 84 Resp: 13733

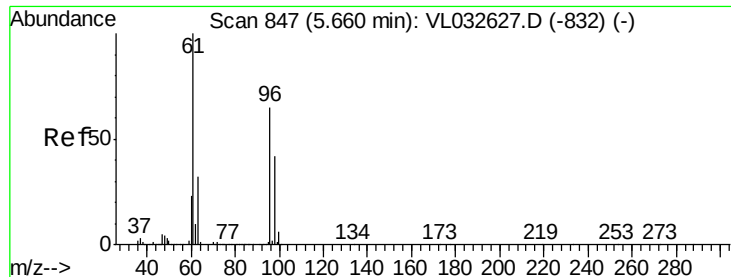
Ion Ratio Lower Upper

84 100

56 0.0 108.3 162.5#

41 0.0 64.8 97.2#



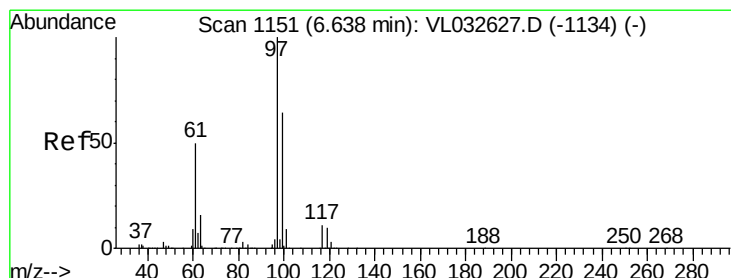
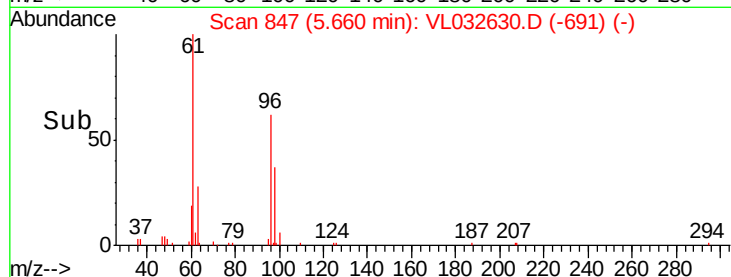
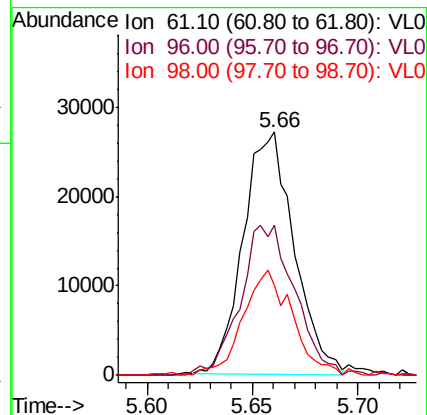
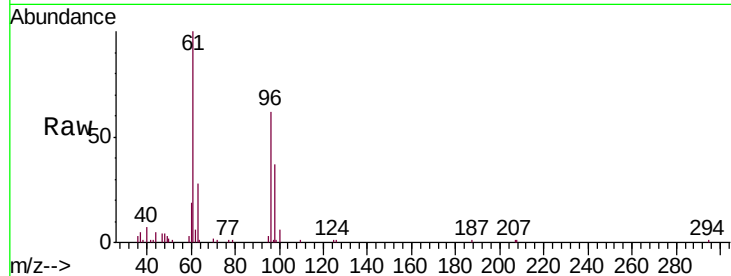


#31

cis-1,2-Dichloroethene
Concen: 0.427 ppbv
RT: 5.66 min Scan# 847
Delta R.T. 0.00 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

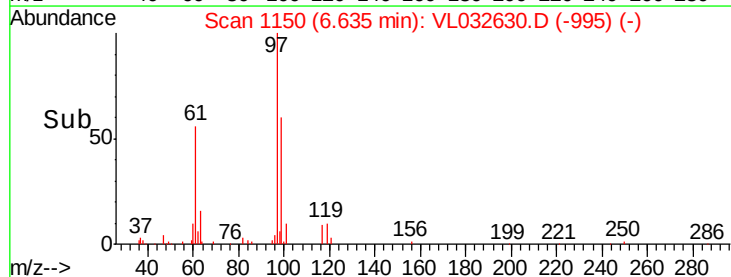
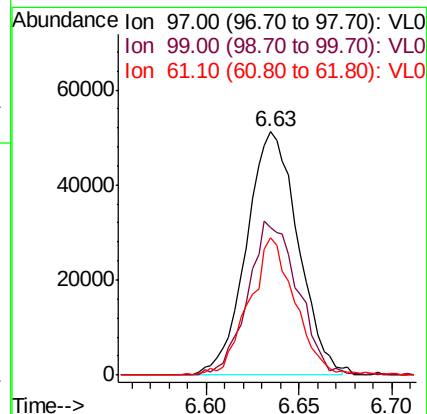
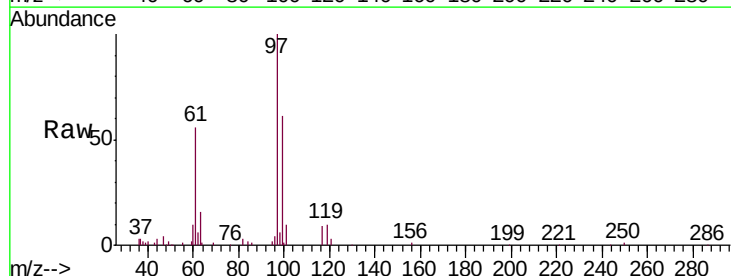
Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.3	51.8	77.6
98	37.9	33.8	50.6

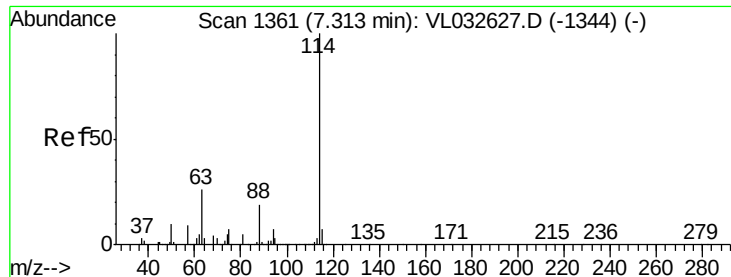


#32

1,1,1-Trichloroethane
Concen: 0.532 ppbv
RT: 6.63 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.6	52.0	78.0
61	50.7	40.7	61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

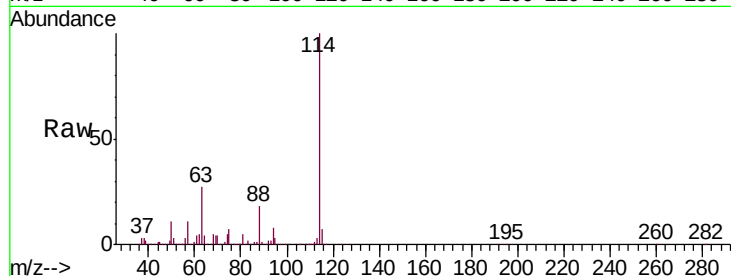
Tgt Ion:114 Resp: 2736890

Ion Ratio Lower Upper

114 100

63 26.9 21.7 32.5

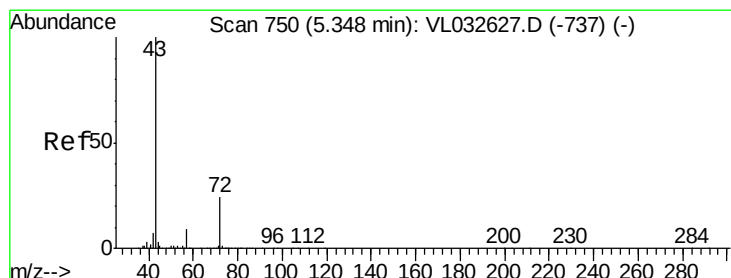
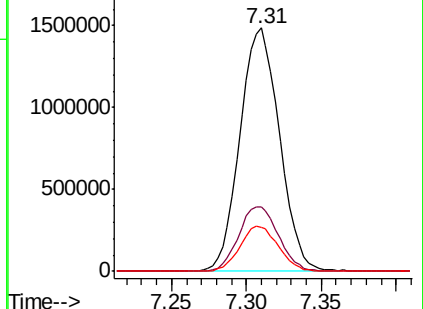
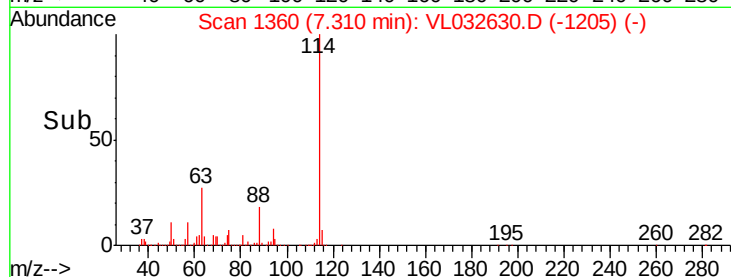
88 18.2 14.9 22.3



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: 0.478 ppbv

RT: 5.36 min Scan# 753

Delta R.T. 0.01 min

Lab File: VL032630.D

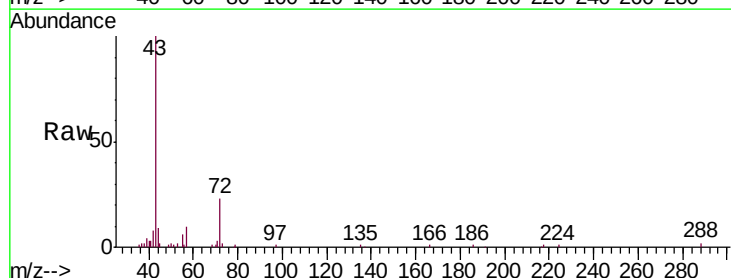
Acq: 17 Oct 2018 4:41

Tgt Ion: 43 Resp: 67417

Ion Ratio Lower Upper

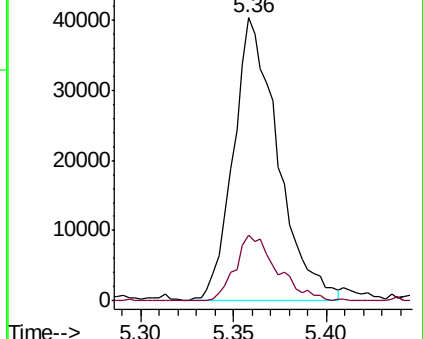
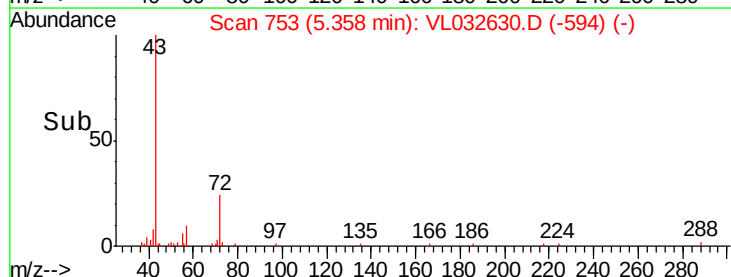
43 100

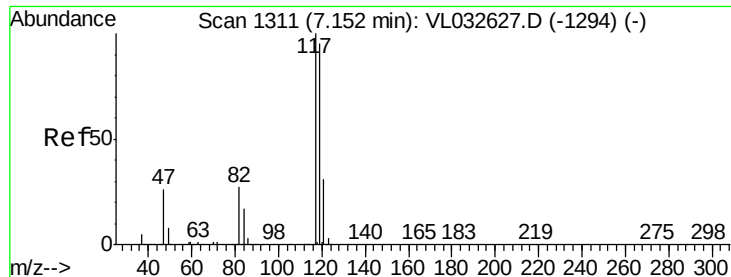
72 21.8 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.525 ppbv

RT: 7.15 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

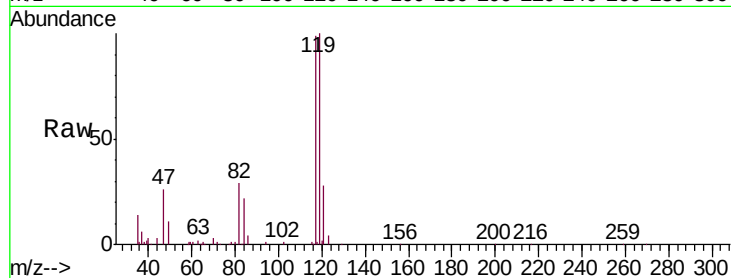
Tgt Ion:117 Resp: 103173

Ion Ratio Lower Upper

117 100

119 100.7 75.7 113.5

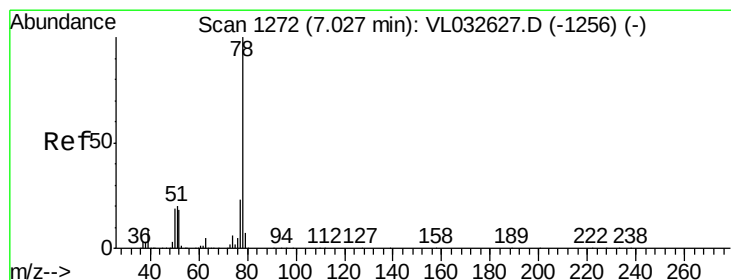
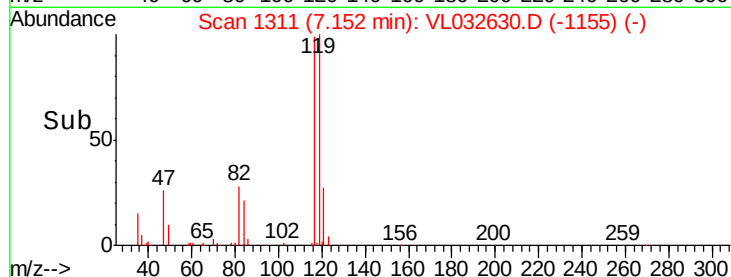
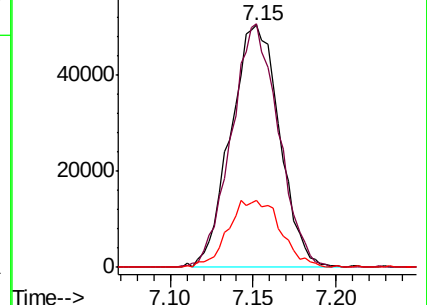
121 27.9 24.7 37.1



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: 0.415 ppbv

RT: 7.02 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

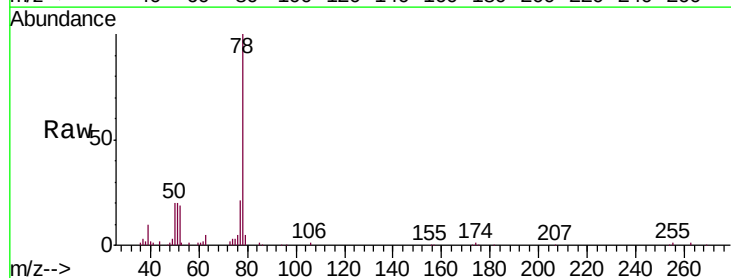
Tgt Ion: 78 Resp: 89915

Ion Ratio Lower Upper

78 100

77 21.1 18.1 27.1

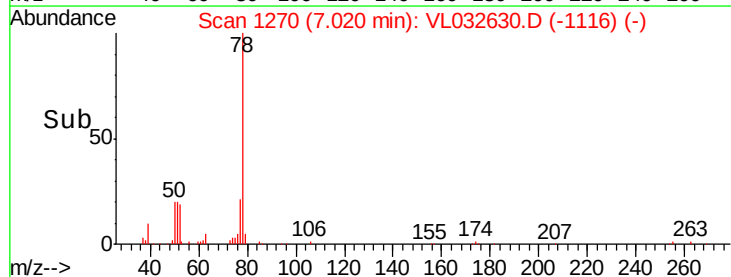
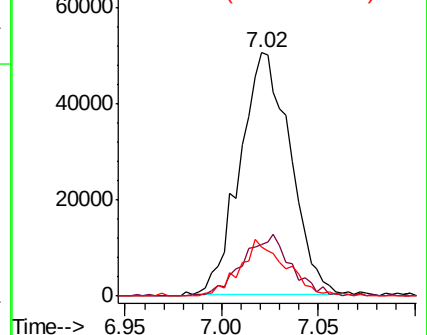
50 20.5 15.1 22.7

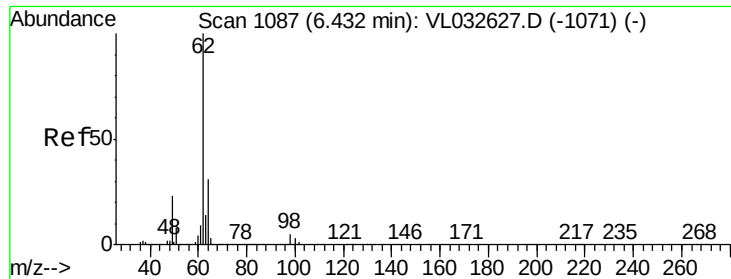


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

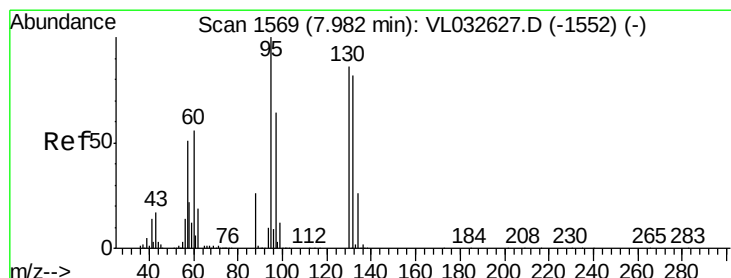
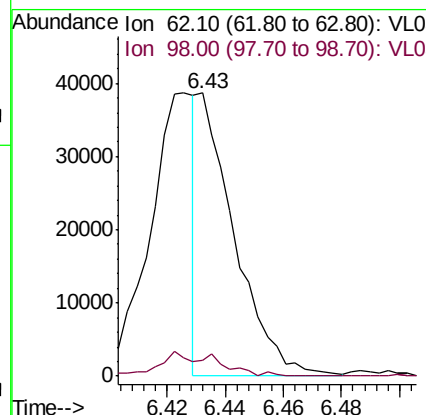
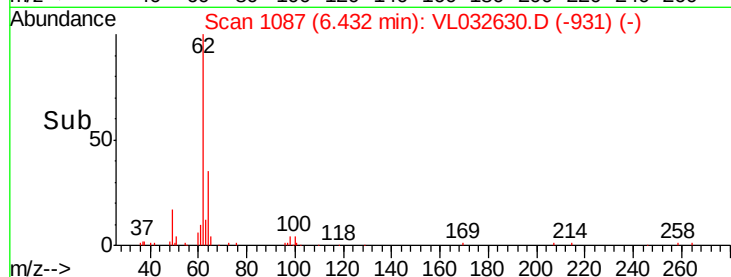
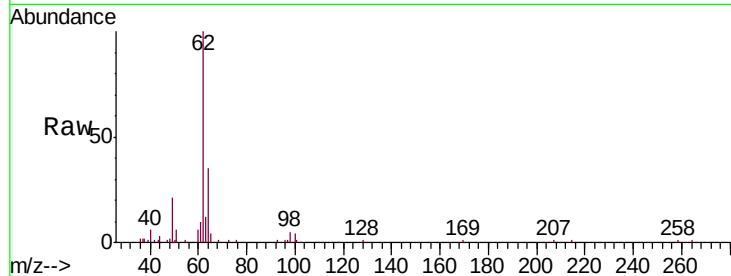




#37
 1,2-Dichloroethane
 Concen: 0.234 ppbv
 RT: 6.43 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

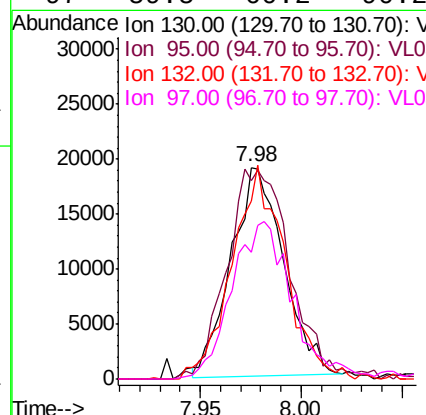
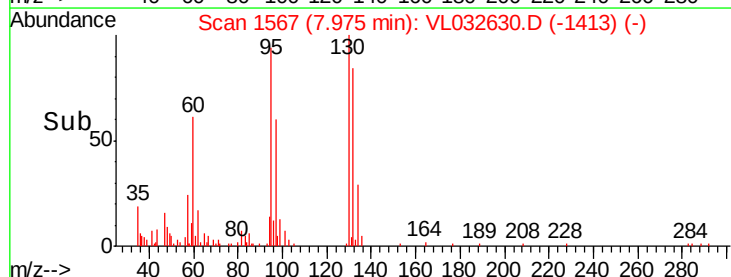
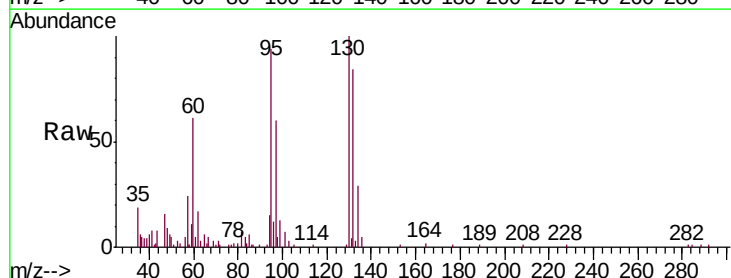
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

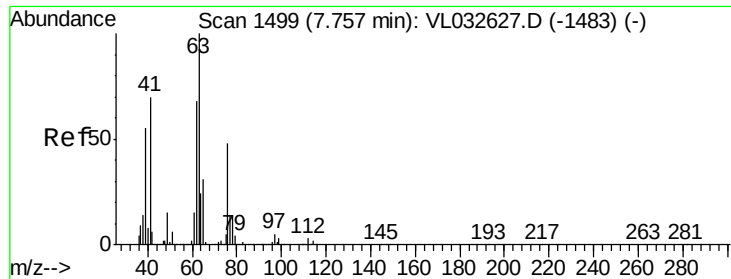
Tgt Ion: 62 Resp: 33743
 Ion Ratio Lower Upper
 62 100
 98 0.0 4.4 6.6#



#38
 Trichloroethene
 Concen: 0.433 ppbv
 RT: 7.98 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion: 130 Resp: 34535
 Ion Ratio Lower Upper
 130 100
 95 93.7 93.4 140.0
 132 84.2 76.5 114.7
 97 59.5 60.2 90.2#

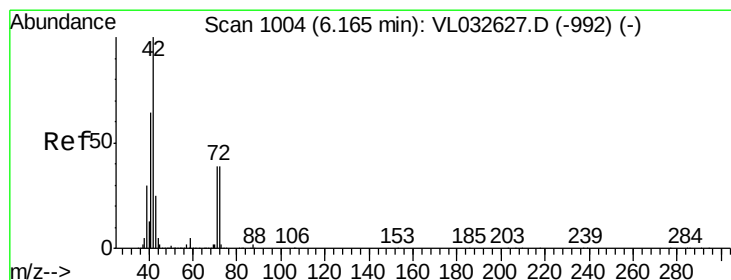
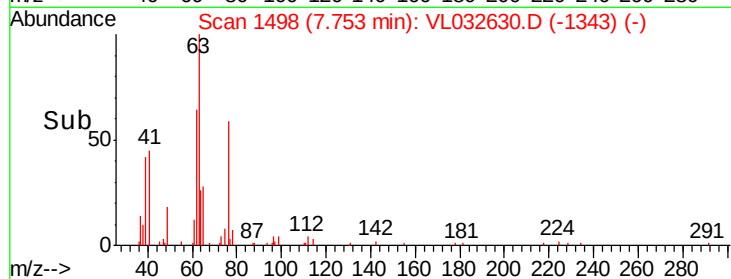
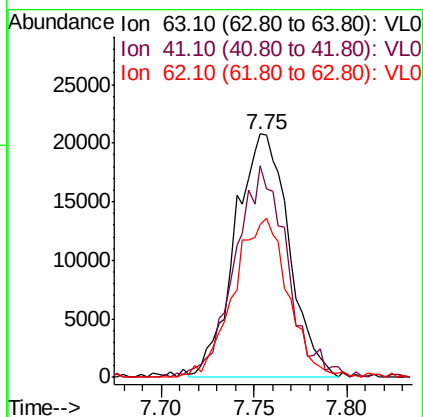
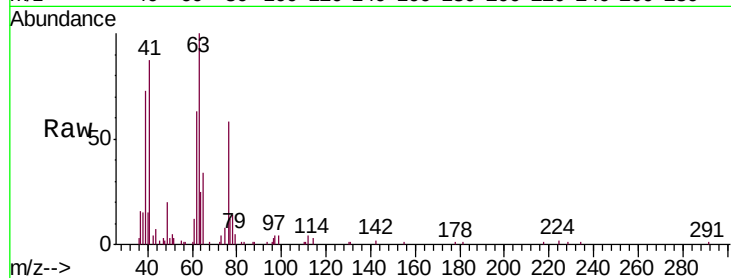




#39
 1,2-Dichloropropane
 Concen: 0.473 ppbv
 RT: 7.75 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

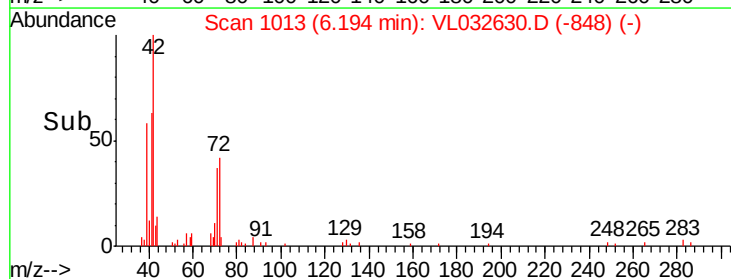
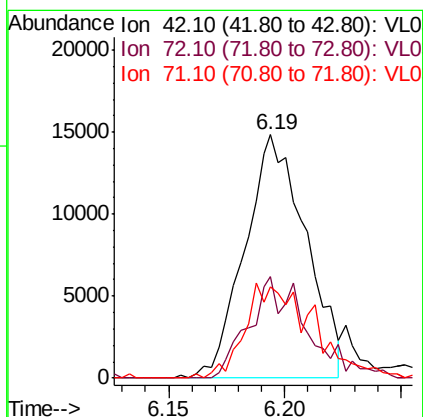
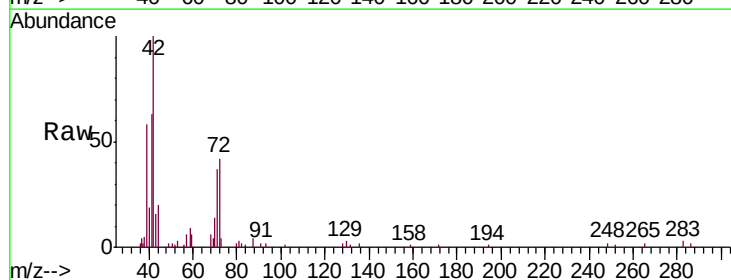
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

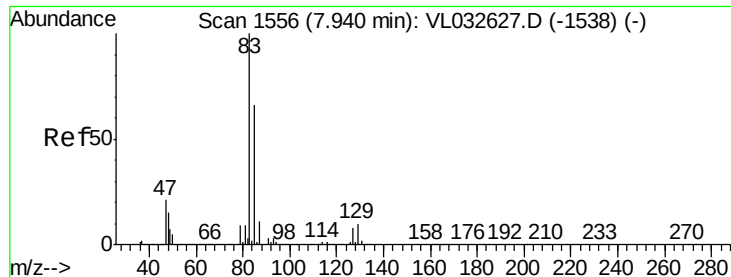
Tgt Ion	Ratio	Lower	Upper
63	100		
41	84.2	56.2	84.4
62	61.2	54.4	81.6



#41
 Tetrahydrofuran
 Concen: 0.345 ppbv
 RT: 6.19 min Scan# 1013
 Delta R.T. 0.03 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.4	48.6
71	43.4	31.3	46.9





#42

Bromodichloromethane

Concen: 0.492 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

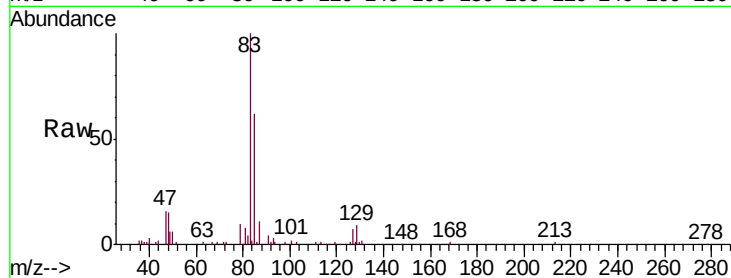
Tgt Ion: 83 Resp: 99370

Ion Ratio Lower Upper

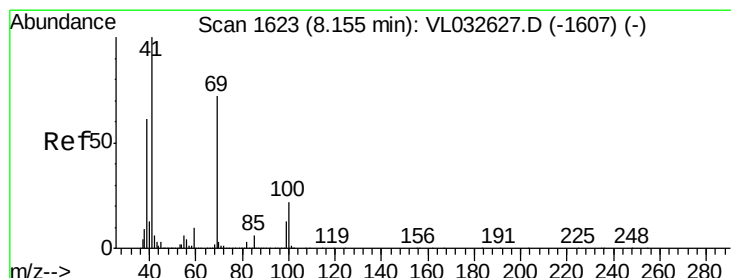
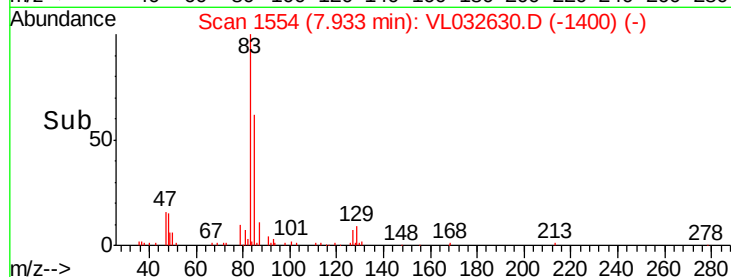
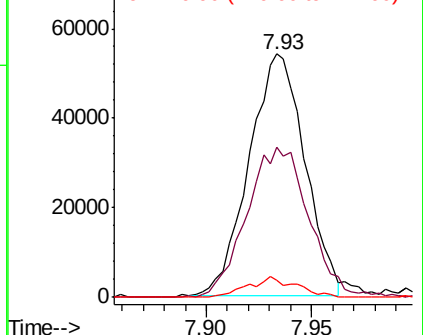
83 100

85 61.4 52.4 78.6

127 7.1 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: 0.239 ppbv

RT: 8.16 min Scan# 1624

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

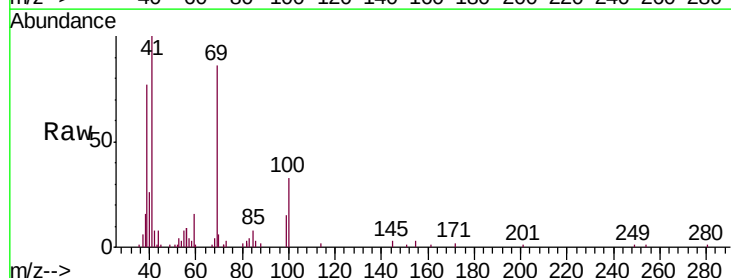
Tgt Ion: 69 Resp: 20133

Ion Ratio Lower Upper

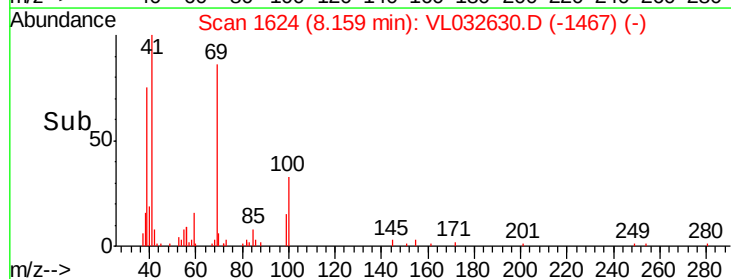
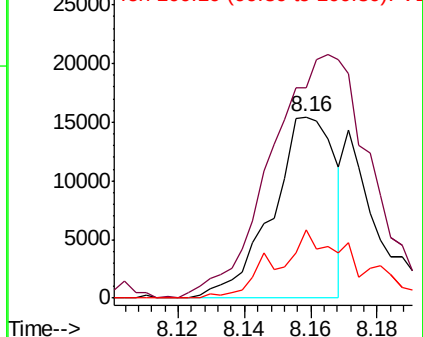
69 100

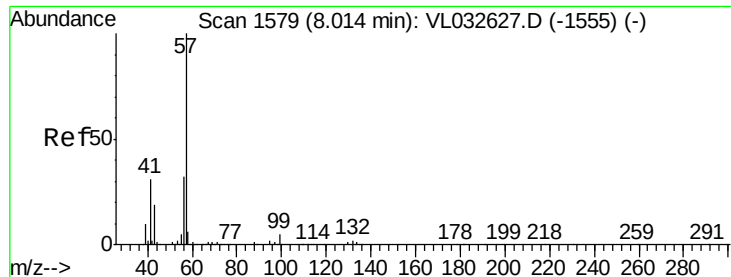
41 0.0 113.2 169.8#

100 48.5 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

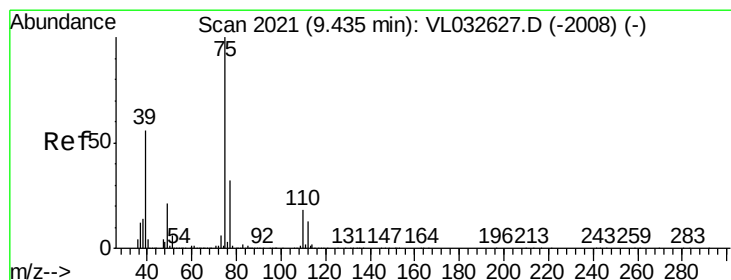
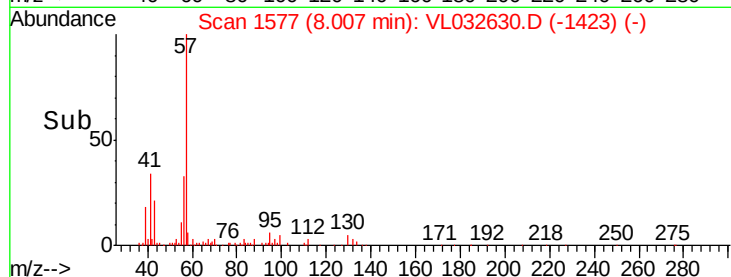
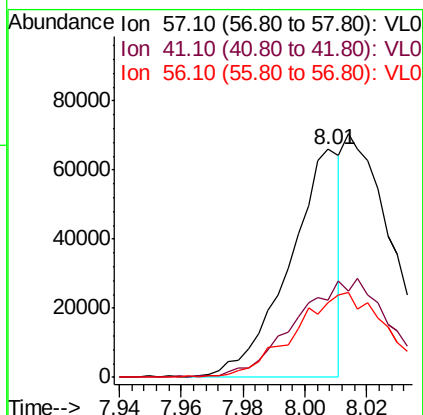
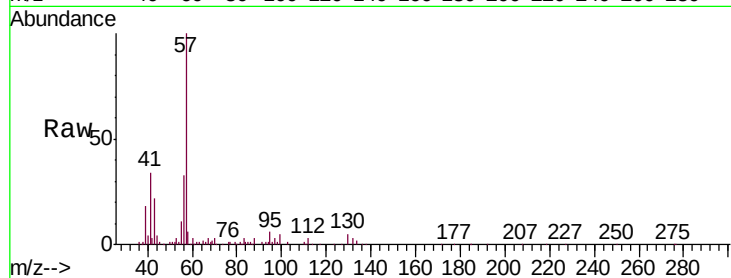




#44
 2,2,4-Trimethylpentane
 Concen: 0.195 ppbv
 RT: 8.01 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

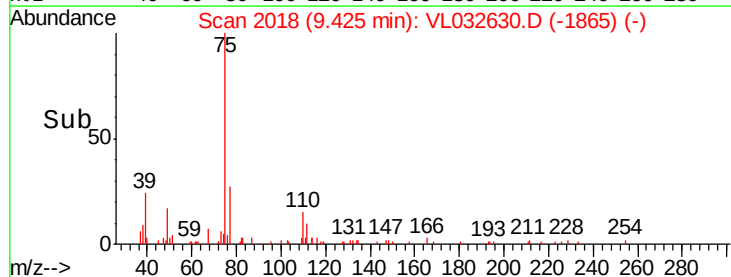
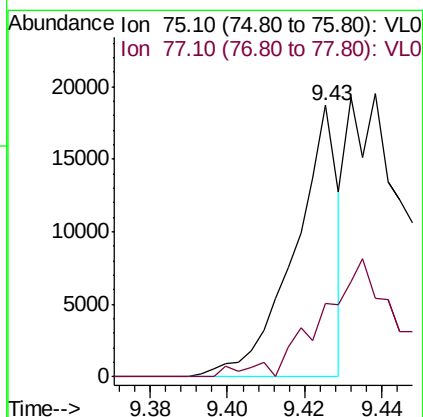
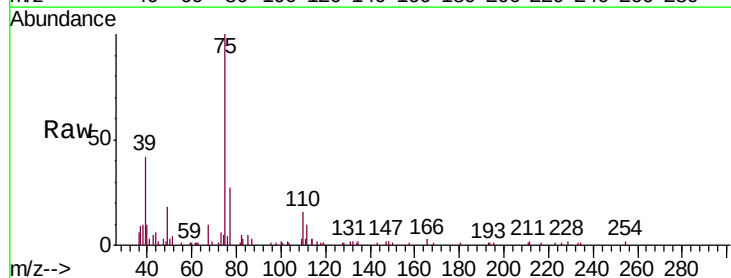
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

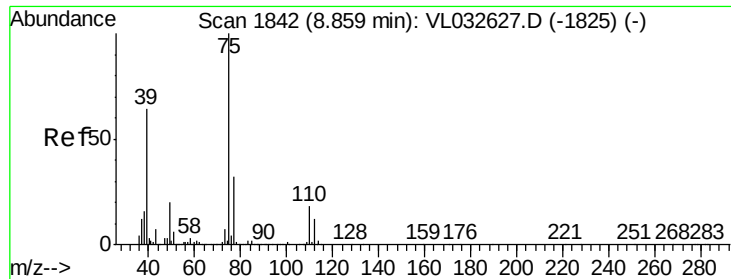
Tgt Ion: 57 Resp: 75270
 Ion Ratio Lower Upper
 57 100
 41 0.0 24.7 37.1#
 56 0.0 25.0 37.4#



#45
 t-1,3-Dichloropropene
 Concen: 0.138 ppbv
 RT: 9.43 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion: 75 Resp: 14579
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.3 37.9

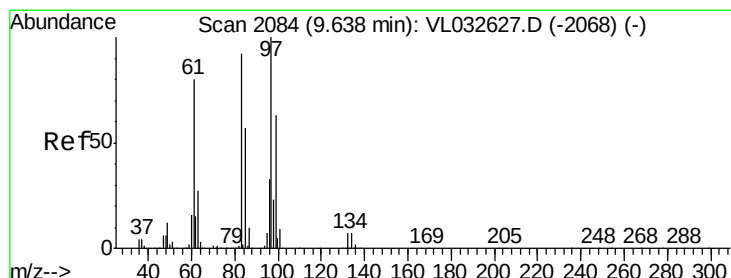
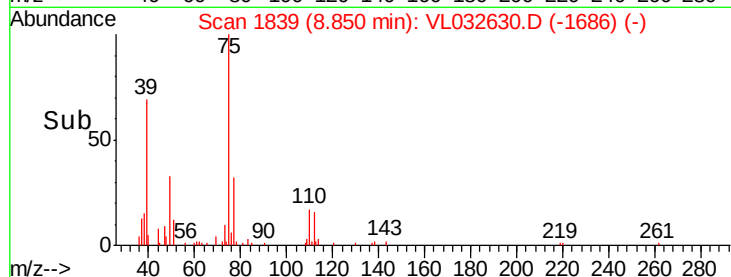
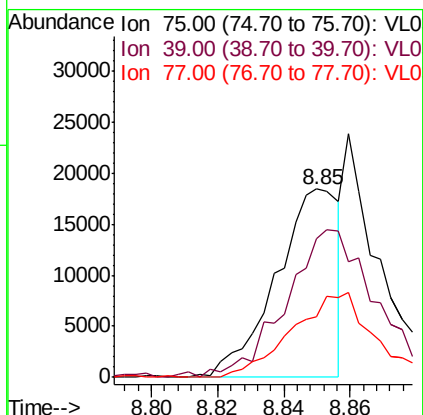
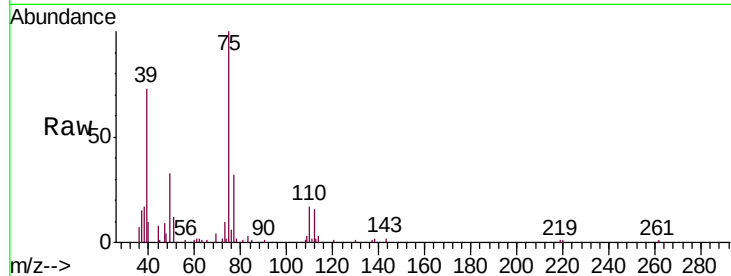




#46
 cis-1,3-Dichloropropene
 Concen: 0.201 ppbv
 RT: 8.85 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

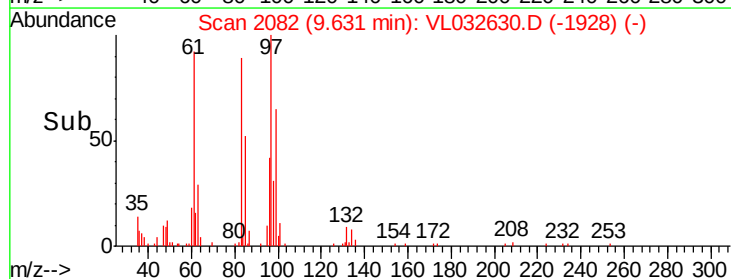
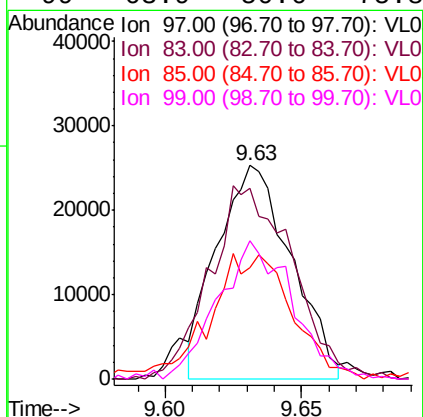
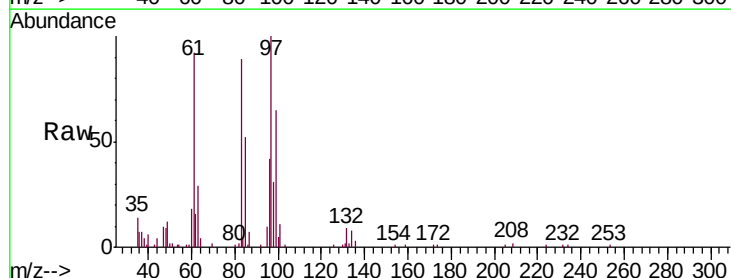
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

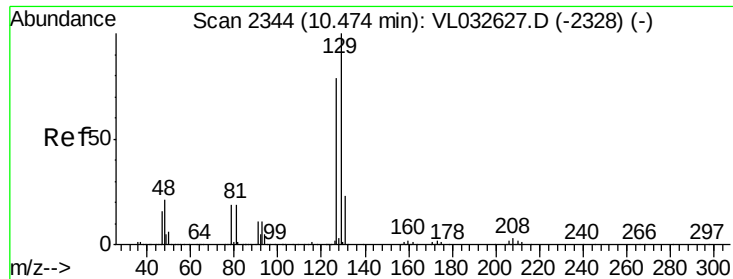
Tgt Ion	Ratio	Lower	Upper
75	100		
39	70.4	50.9	76.3
77	32.4	25.8	38.6



#47
 1,1,2-Trichloroethane
 Concen: 0.455 ppbv
 RT: 9.63 min Scan# 2082
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	73.5	110.3
85	49.6	45.8	68.6
99	63.9	50.6	75.8





#48

Dibromochloromethane

Concen: 0.483 ppbv

RT: 10.47 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

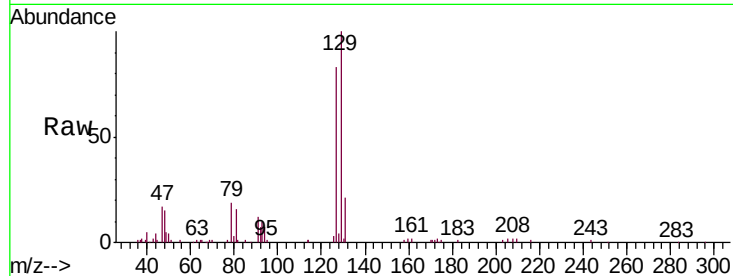
VSTDIC0.5

Tgt Ion:129 Resp: 84368

Ion Ratio Lower Upper

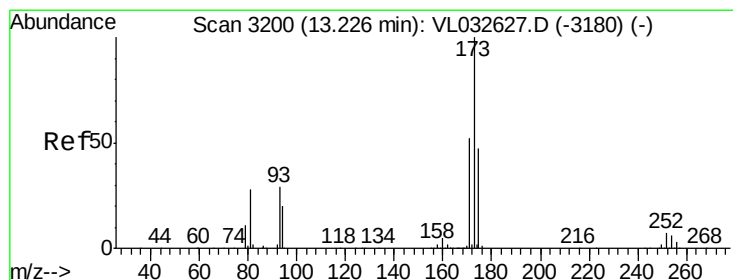
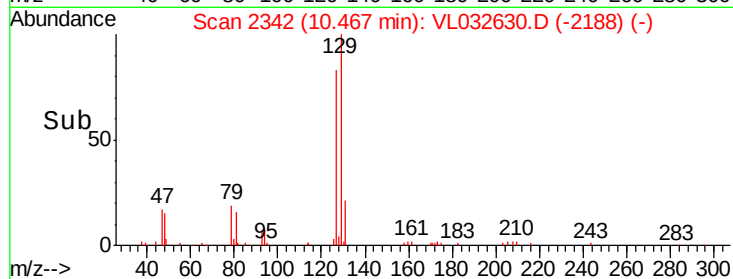
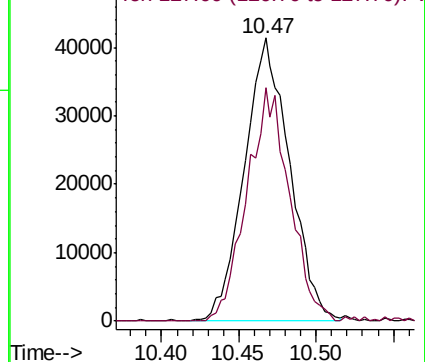
129 100

127 78.3 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: 0.479 ppbv

RT: 13.22 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

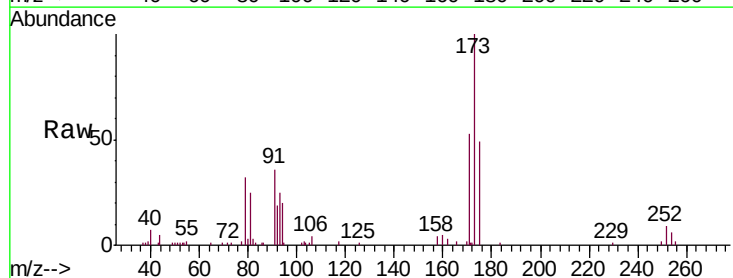
Tgt Ion:173 Resp: 63846

Ion Ratio Lower Upper

173 100

175 47.8 39.0 58.4

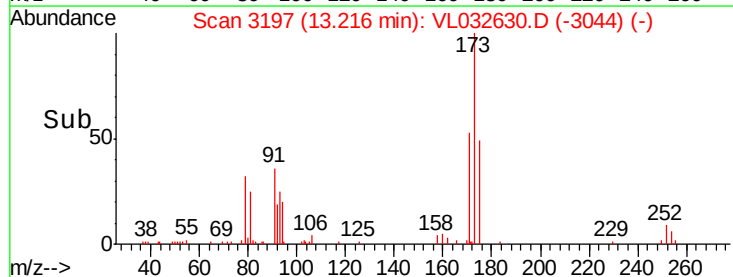
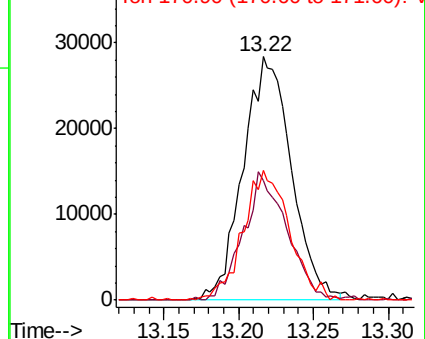
171 50.9 42.2 63.2

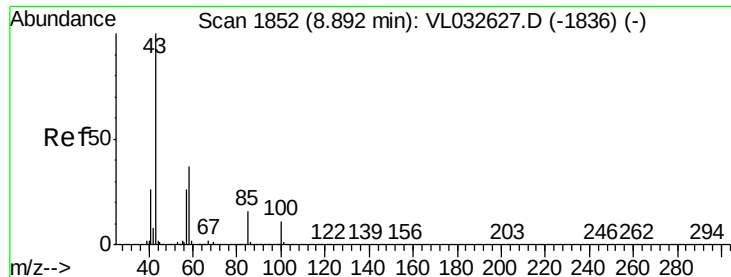


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

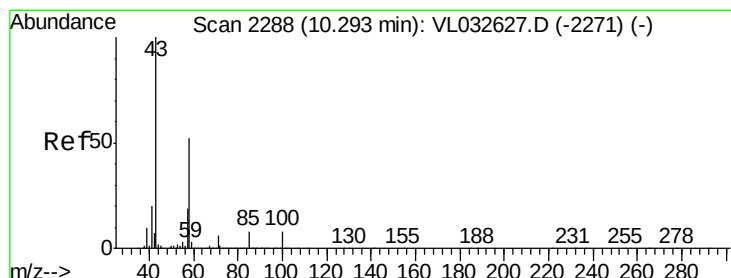
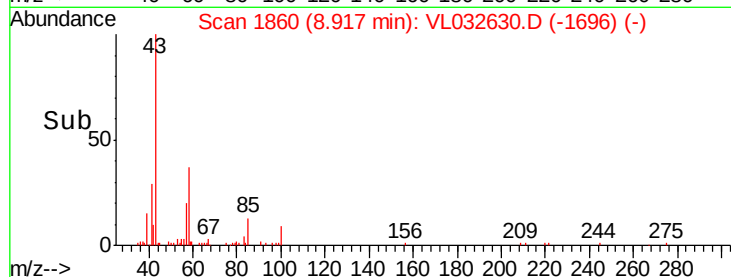
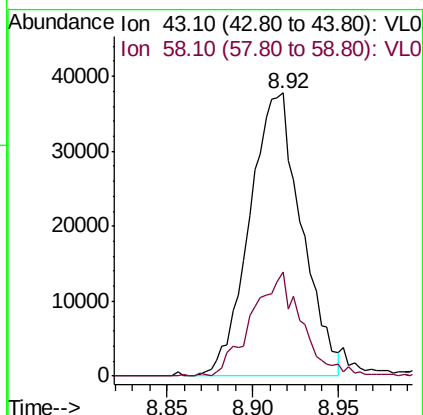
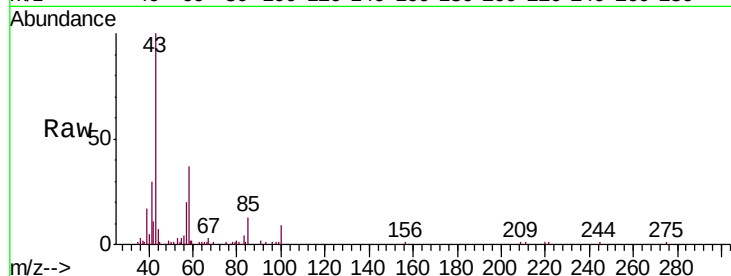




#50
 4-Methyl-2-Pentanone
 Concen: 0.366 ppbv
 RT: 8.92 min Scan# 1860
 Delta R.T. 0.03 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

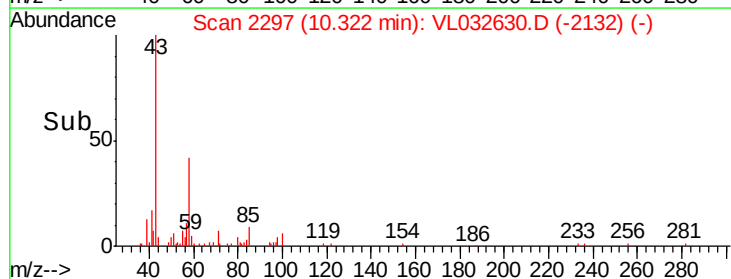
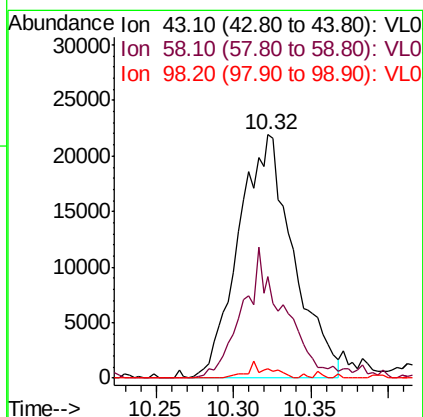
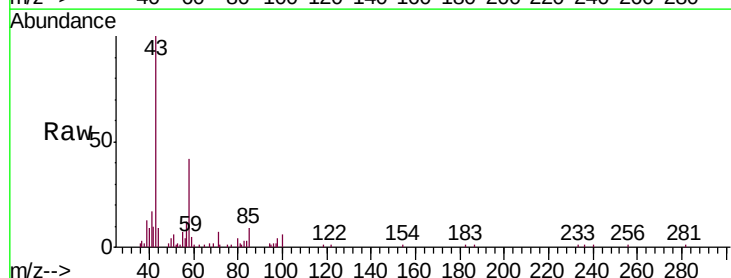
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

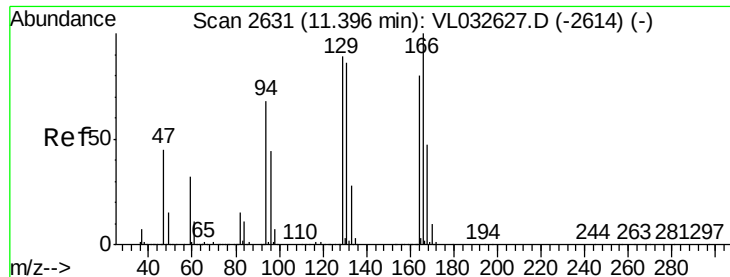
Tgt Ion: 43 Resp: 79299
 Ion Ratio Lower Upper
 43 100
 58 35.5 29.7 44.5



#51
 2-Hexanone
 Concen: 0.318 ppbv
 RT: 10.32 min Scan# 2297
 Delta R.T. 0.03 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion: 43 Resp: 53926
 Ion Ratio Lower Upper
 43 100
 58 43.4 40.4 60.6
 98 2.8 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.175 ppbv

RT: 11.40 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:164 Resp: 12221

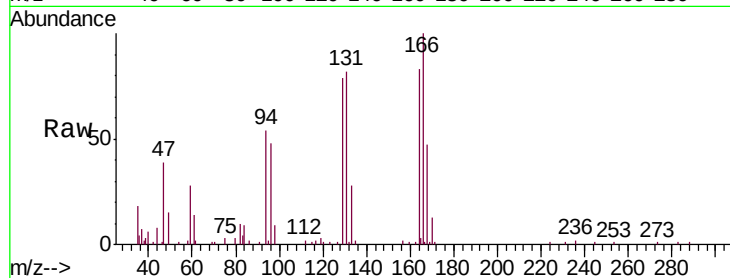
Ion Ratio Lower Upper

164 100

166 116.5 100.5 150.7

129 93.7 90.0 135.0

131 98.7 86.6 129.8

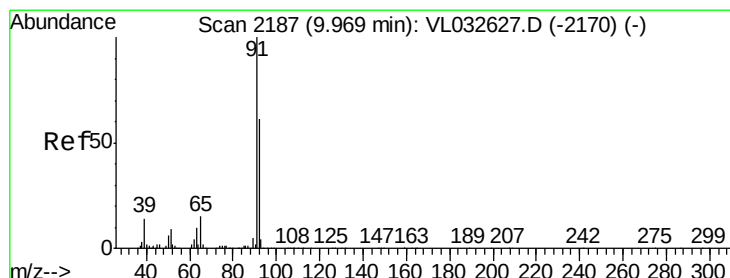
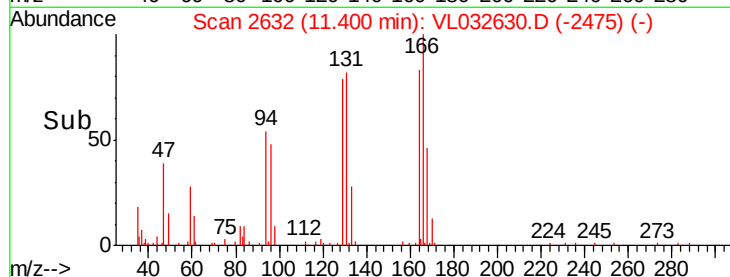
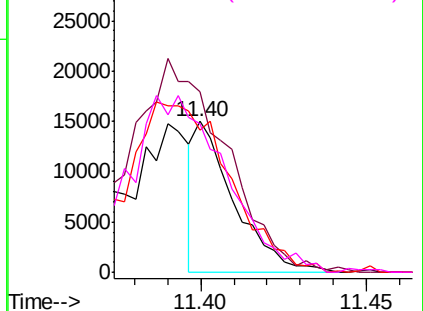


Abundance Ion 163.90 (163.60 to 164.60): V

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: 0.341 ppbv

RT: 9.97 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL032630.D

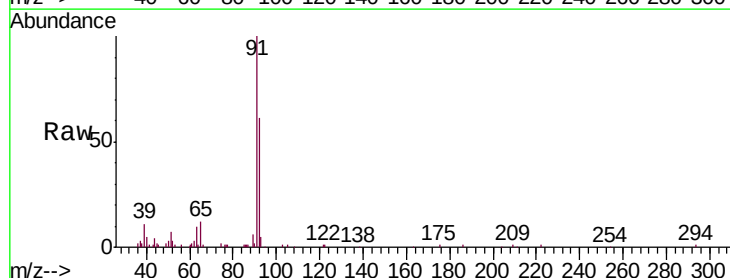
Acq: 17 Oct 2018 4:41

Tgt Ion: 91 Resp: 84369

Ion Ratio Lower Upper

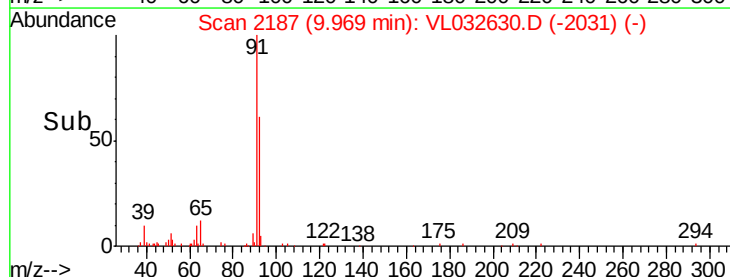
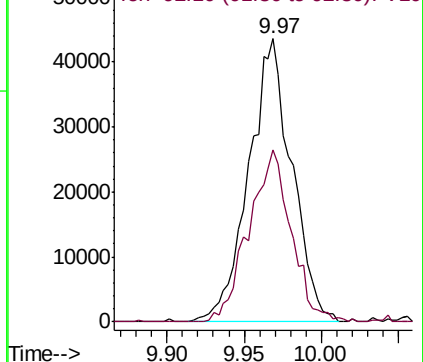
91 100

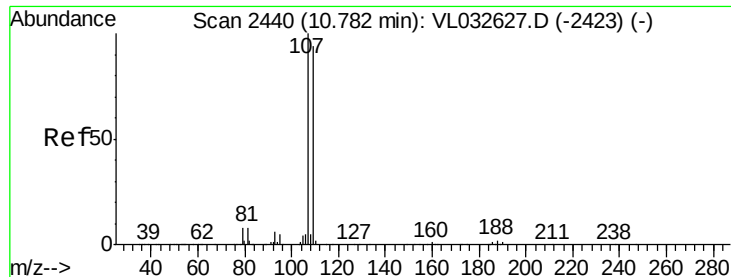
92 59.8 48.4 72.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

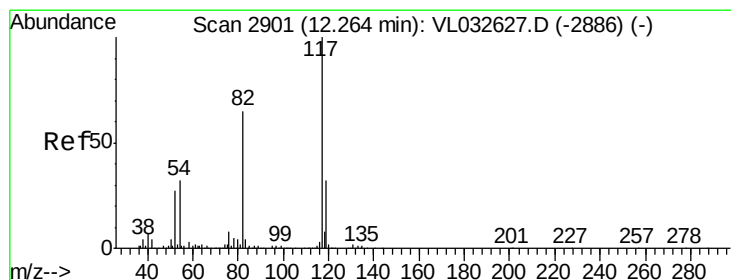
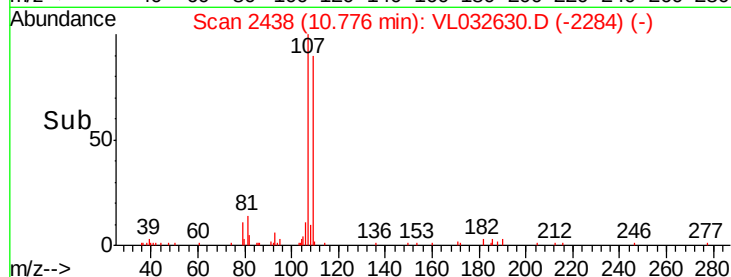
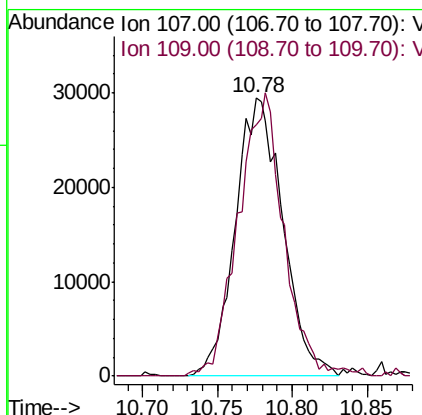
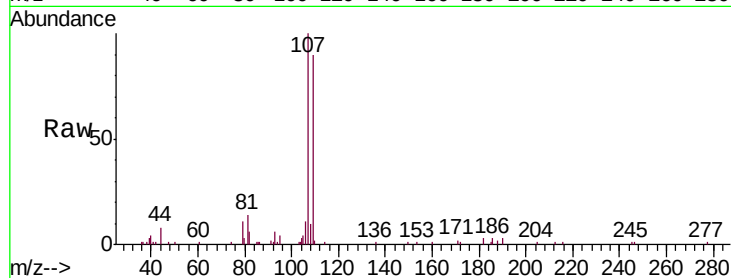




#54
 1,2-Dibromoethane
 Concen: 0.442 ppbv
 RT: 10.78 min Scan# 2438
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

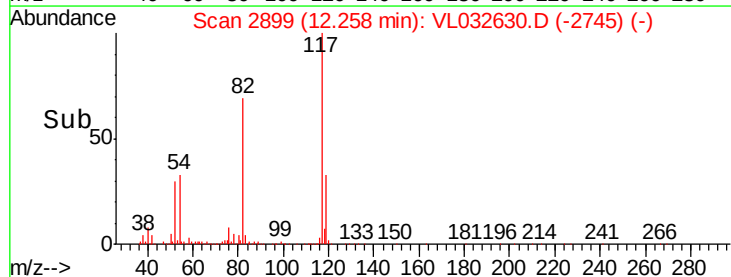
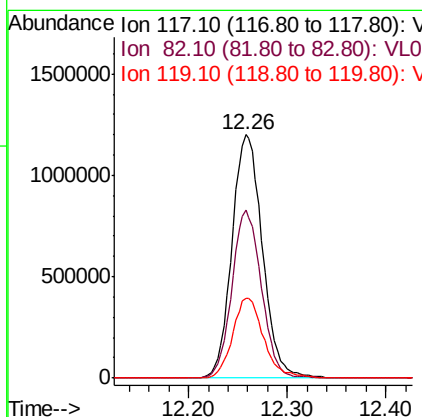
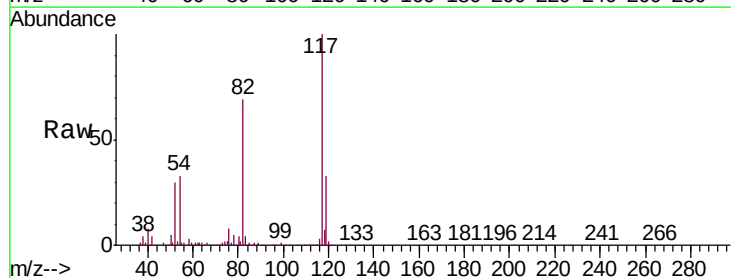
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

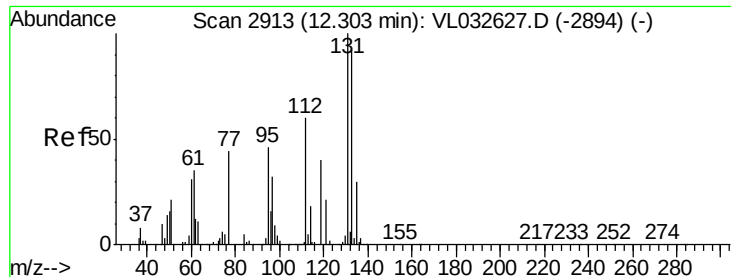
Tgt Ion:107 Resp: 65098
 Ion Ratio Lower Upper
 107 100
 109 89.2 75.3 112.9



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.26 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion:117 Resp: 2586715
 Ion Ratio Lower Upper
 117 100
 82 67.1 52.7 79.1
 119 33.6 26.7 40.1

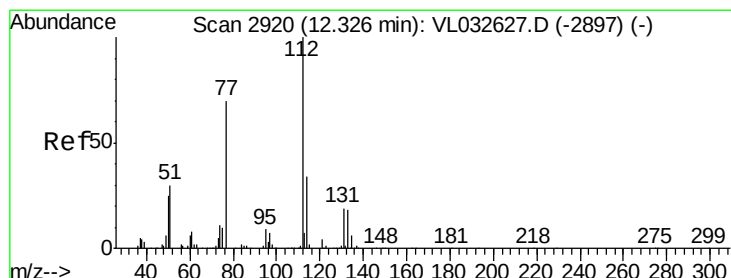
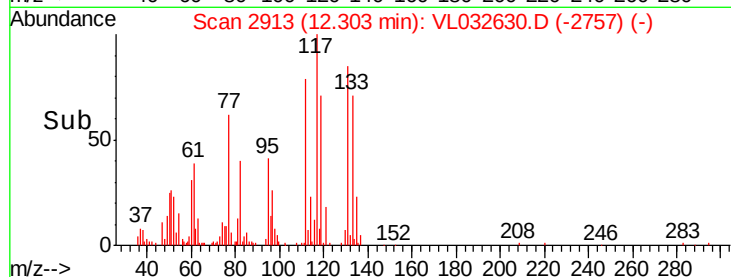
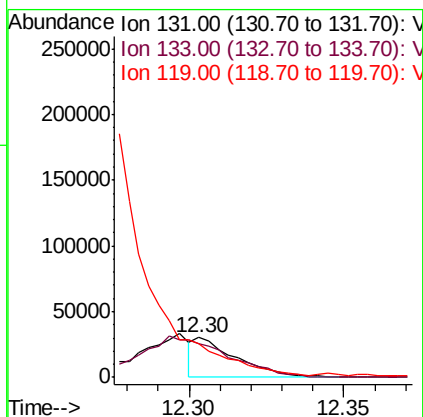
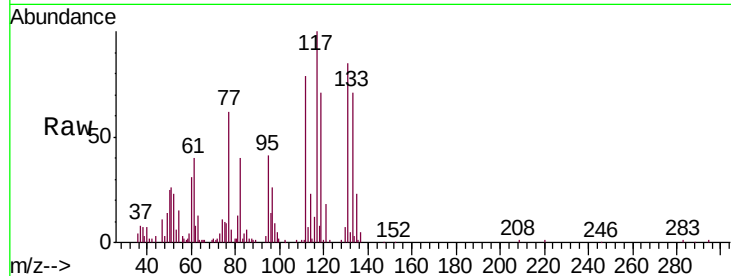




#56
 1,1,1,2-Tetrachloroethane
 Concen: 0.239 ppbv
 RT: 12.30 min Scan# 2913
 Delta R.T. 0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

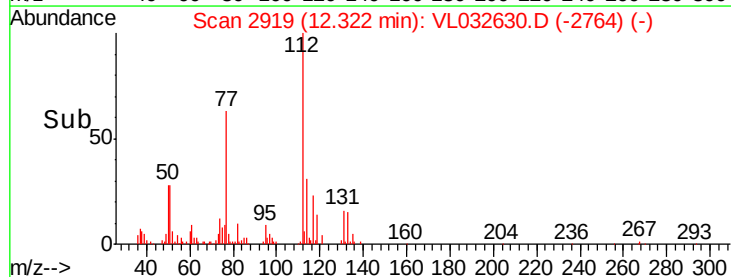
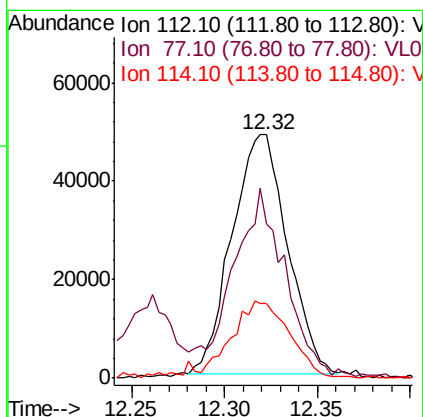
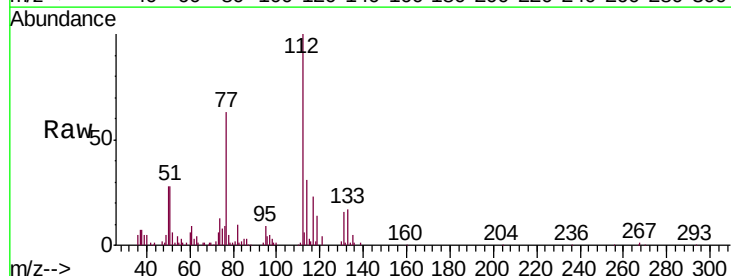
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

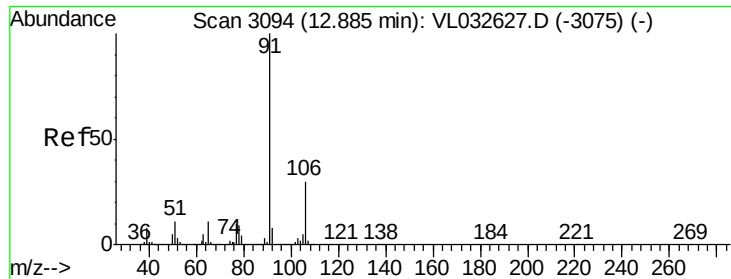
Tgt Ion:131 Resp: 28015
 Ion Ratio Lower Upper
 131 100
 133 0.0 75.4 113.2#
 119 0.0 49.1 73.7#



#57
 Chlorobenzene
 Concen: 0.516 ppbv
 RT: 12.32 min Scan# 2919
 Delta R.T. -0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion:112 Resp: 101060
 Ion Ratio Lower Upper
 112 100
 77 60.2 56.8 85.2
 114 30.6 30.3 37.1





#58

Ethyl Benzene

Concen: 0.252 ppbv

RT: 12.89 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

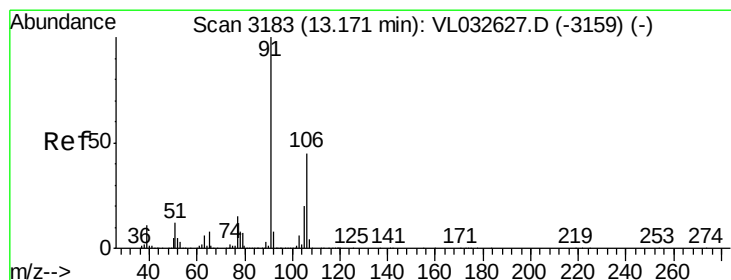
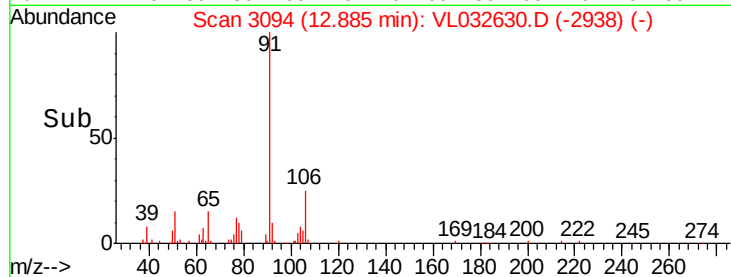
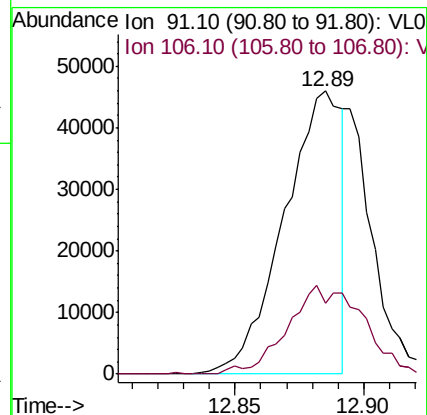
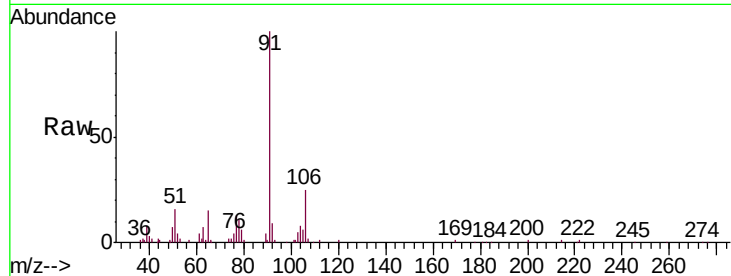
VSTDIC0.5

Tgt Ion: 91 Resp: 71742

Ion Ratio Lower Upper

91 100

106 25.0 24.2 36.2



#59

m/p-Xylene

Concen: 0.168 ppbv

RT: 13.16 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL032630.D

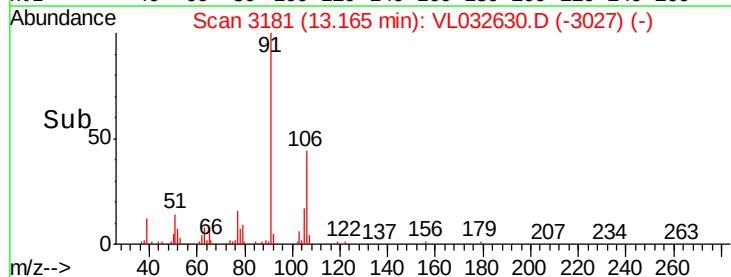
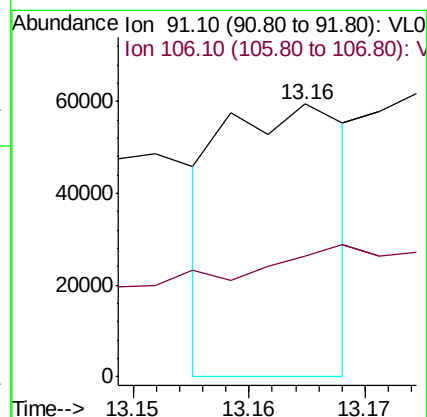
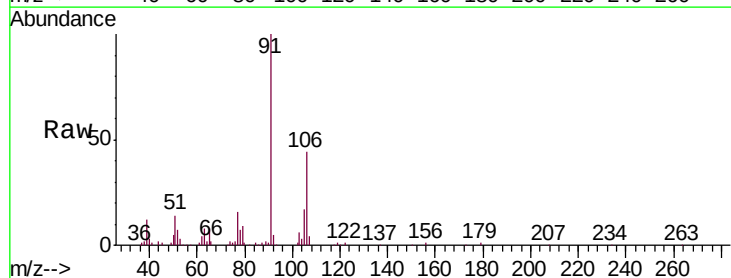
Acq: 17 Oct 2018 4:41

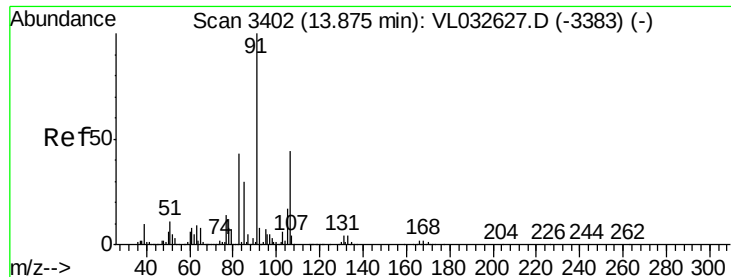
Tgt Ion: 91 Resp: 43331

Ion Ratio Lower Upper

91 100

106 213.9 35.9 53.9#





#60

o-Xylene

Concen: 0.257 ppbv

RT: 13.87 min Scan# 3400

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

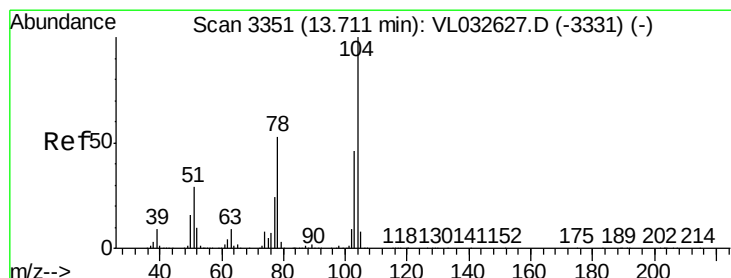
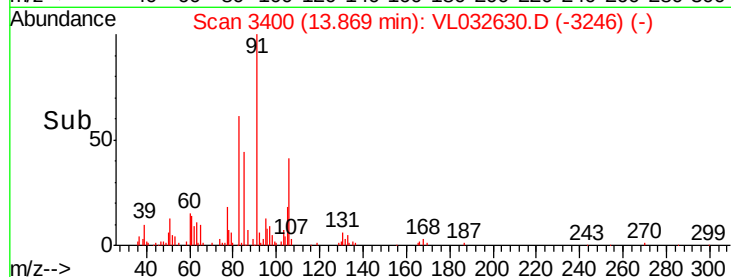
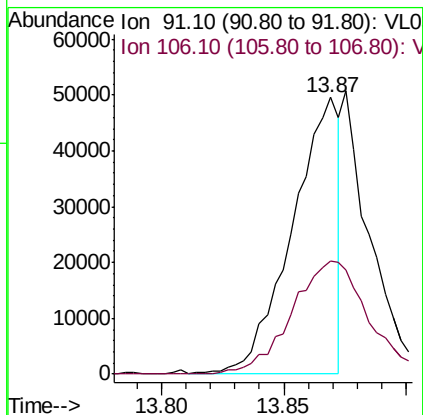
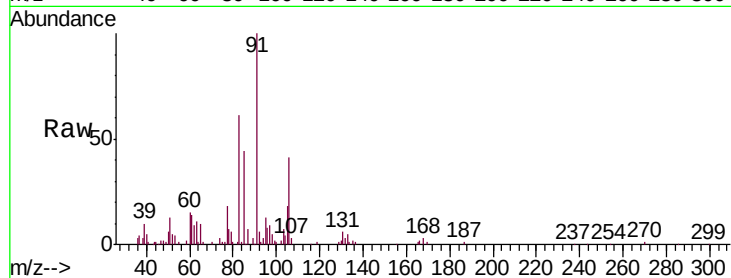
VSTDIC0.5

Tgt Ion: 91 Resp: 65522

Ion Ratio Lower Upper

91 100

106 67.2 22.1 66.1#



#61

Styrene

Concen: 0.289 ppbv

RT: 13.71 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

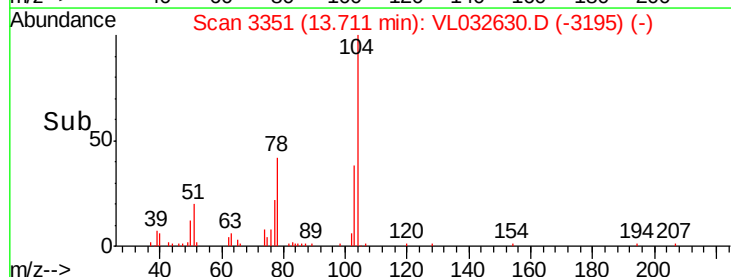
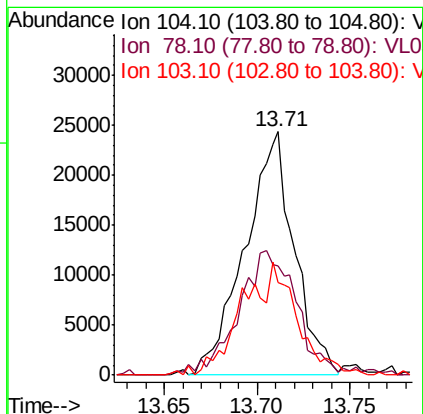
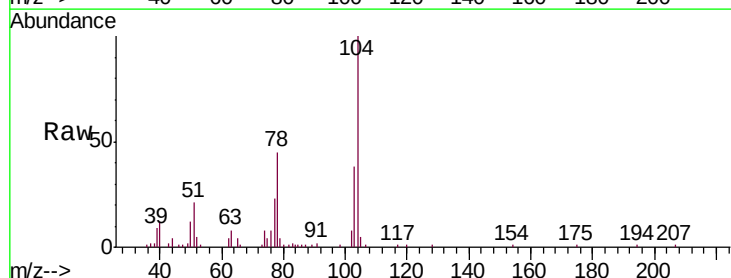
Tgt Ion: 104 Resp: 45222

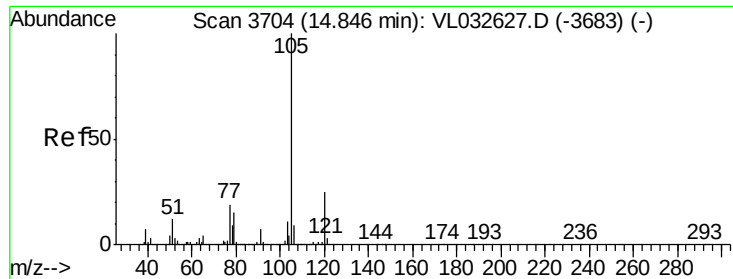
Ion Ratio Lower Upper

104 100

78 61.6 42.8 64.2

103 52.2 37.4 56.0





#62

Isopropylbenzene

Concen: 0.438 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

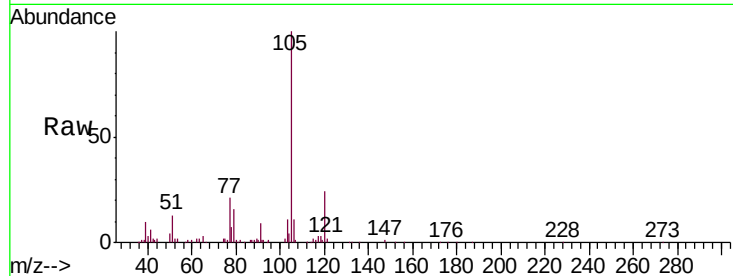
VSTDIC0.5

Tgt Ion: 105 Resp: 158959

Ion Ratio Lower Upper

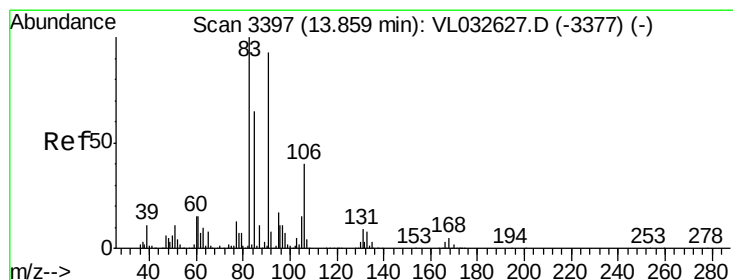
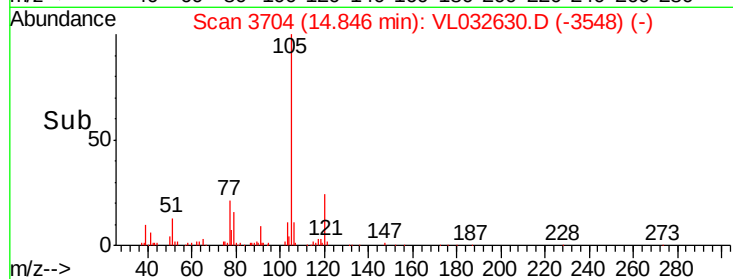
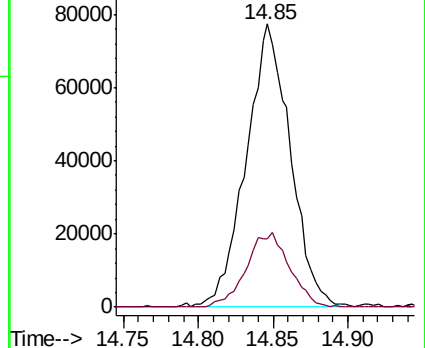
105 100

120 25.9 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: 0.250 ppbv

RT: 13.85 min Scan# 3394

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

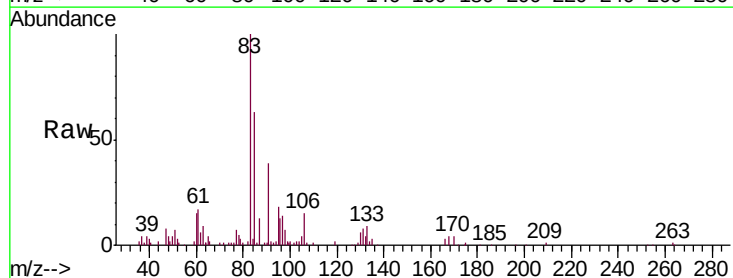
Tgt Ion: 83 Resp: 55531

Ion Ratio Lower Upper

83 100

131 20.7 4.3 12.9#

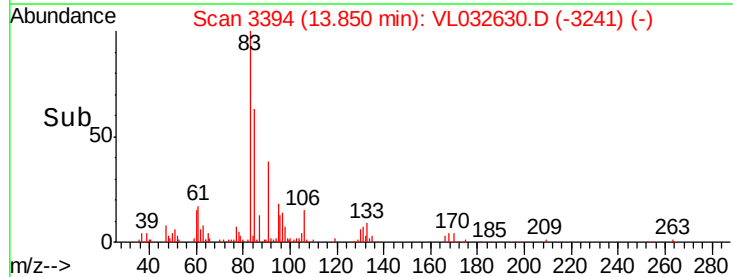
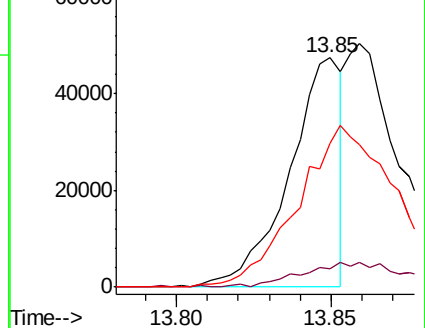
85 135.6 32.3 96.9#

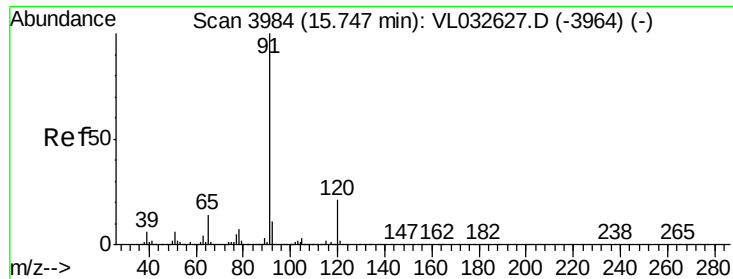


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0





#64

n-propylbenzene

Concen: 0.205 ppbv

RT: 15.74 min Scan# 3981

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

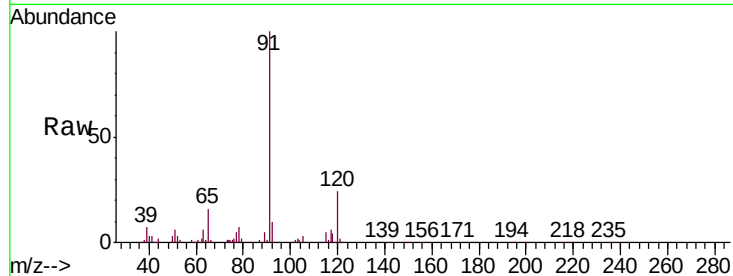
VSTDIC0.5

Tgt Ion:120 Resp: 18729

Ion Ratio Lower Upper

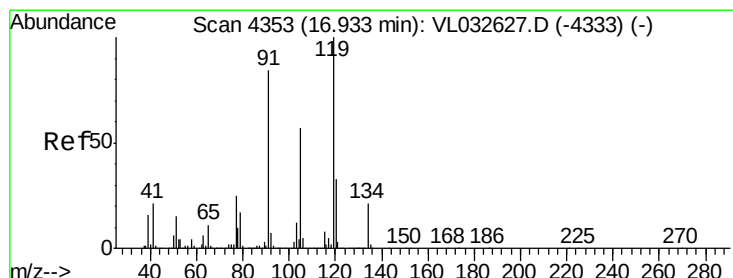
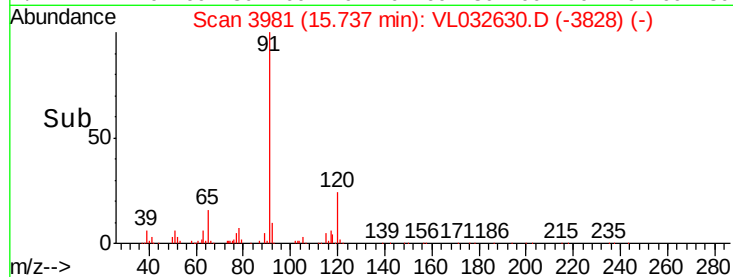
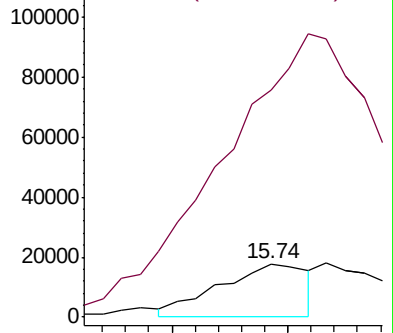
120 100

91 0.0 390.2 585.2#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.418 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

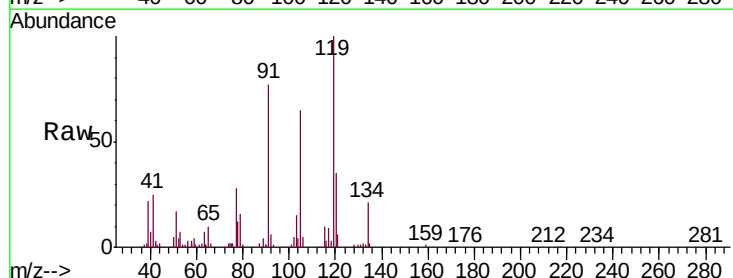
Tgt Ion:119 Resp: 128513

Ion Ratio Lower Upper

119 100

91 96.1 67.8 101.8

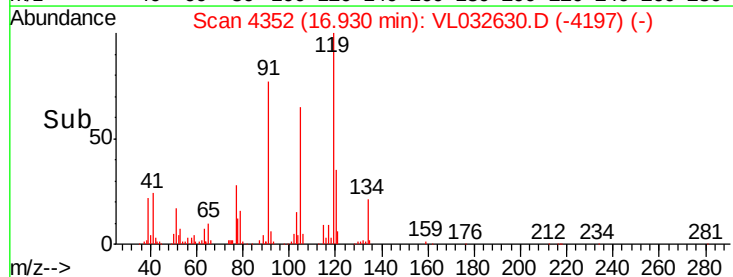
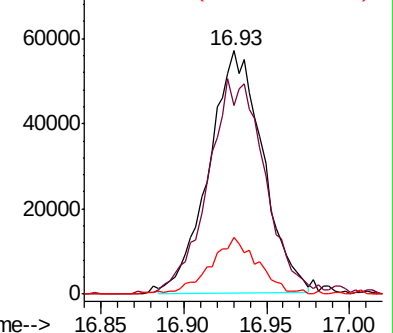
134 21.1 15.8 23.8

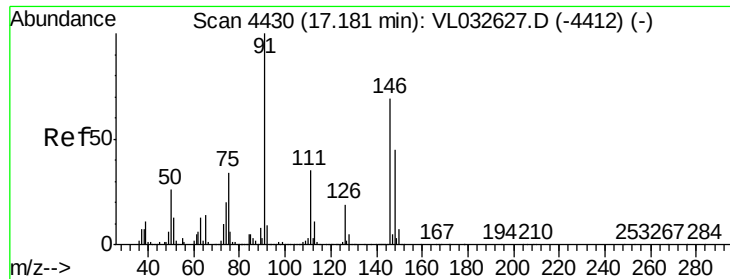


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#66

Benzyl Chloride

Concen: 0.206 ppbv

RT: 17.17 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

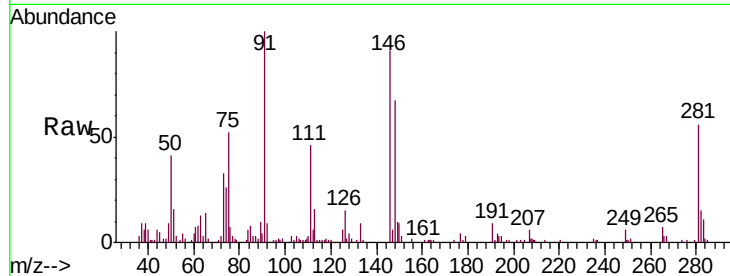
Tgt Ion: 91 Resp: 34924

Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

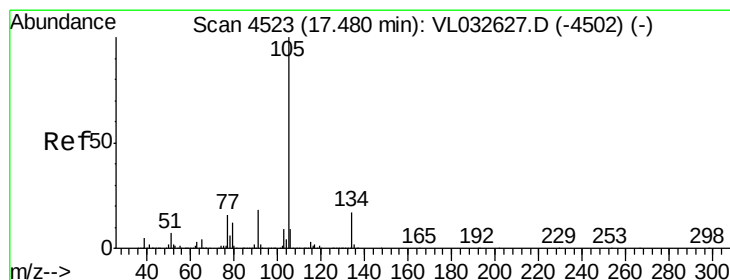
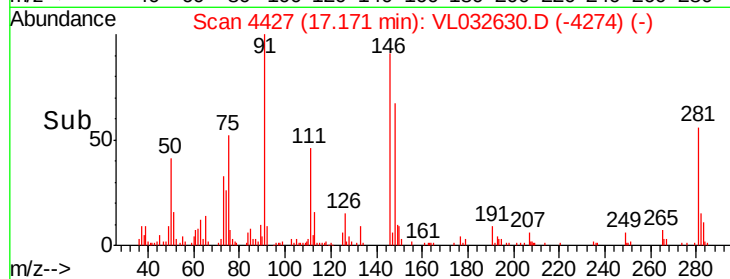
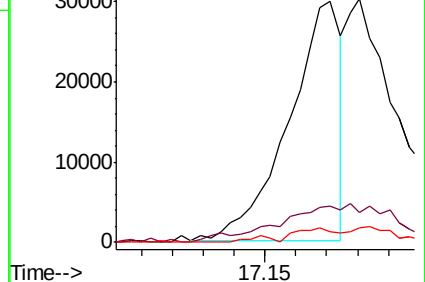
128 0.0 4.3 6.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V



#67

sec-Butylbenzene

Concen: 0.445 ppbv

RT: 17.48 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL032630.D

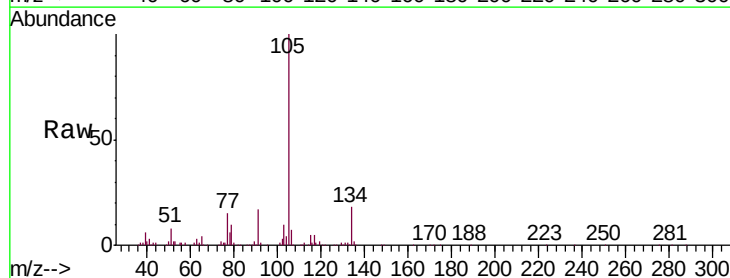
Acq: 17 Oct 2018 4:41

Tgt Ion: 105 Resp: 204002

Ion Ratio Lower Upper

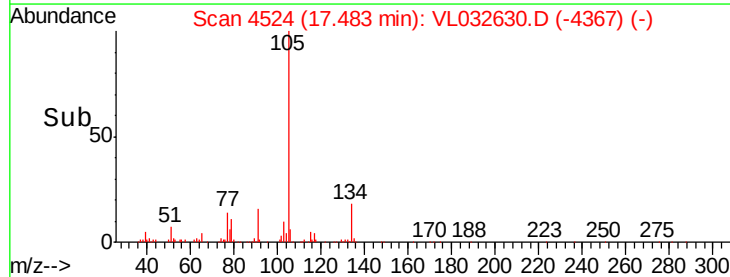
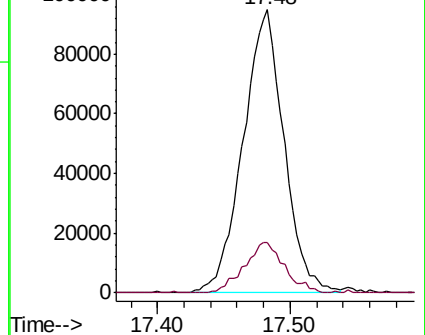
105 100

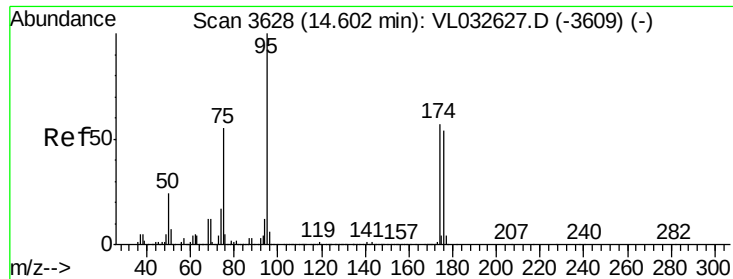
134 17.6 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

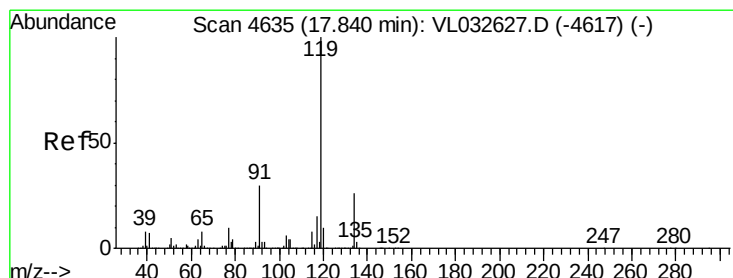
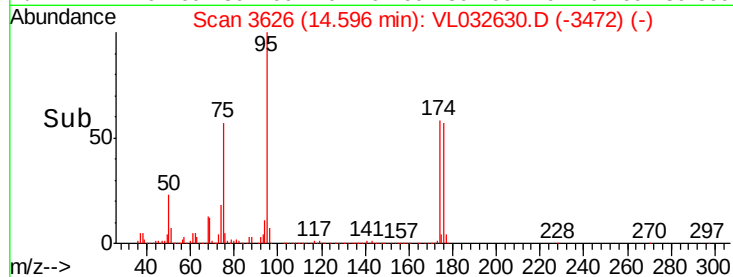
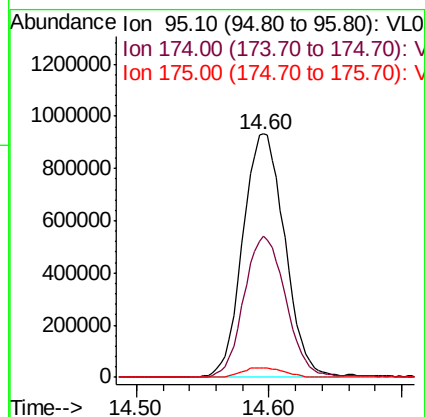
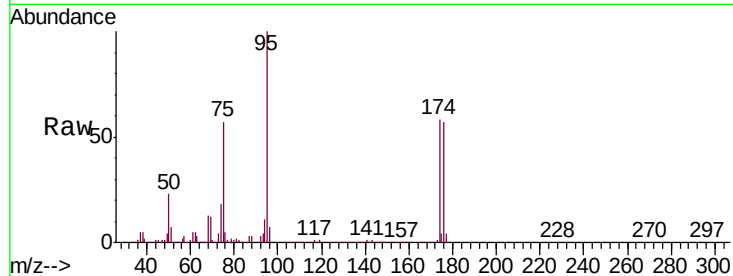




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.475 ppbv
 RT: 14.60 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

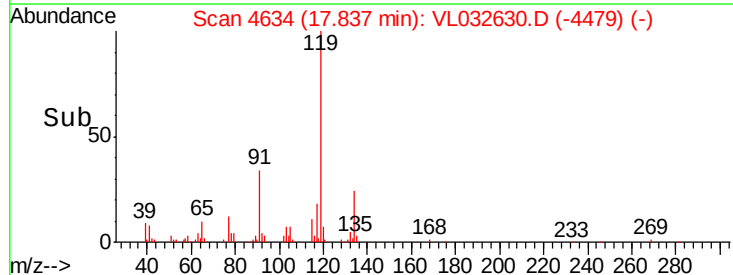
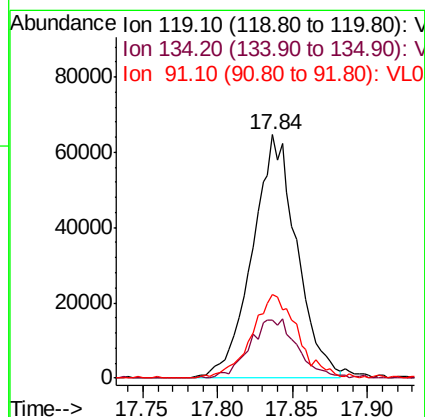
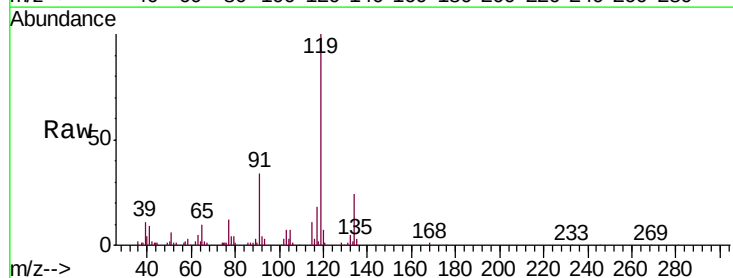
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

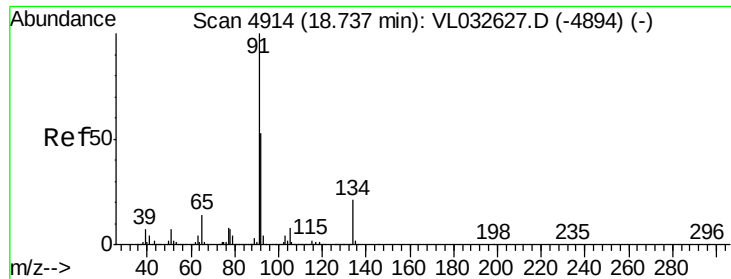
Tgt Ion: 95 Resp: 2050232
 Ion Ratio Lower Upper
 95 100
 174 58.6 46.0 69.0
 175 4.1 3.4 5.0



#69
 p-Isopropyltoluene
 Concen: 0.379 ppbv
 RT: 17.84 min Scan# 4634
 Delta R.T. -0.00 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion: 119 Resp: 133363
 Ion Ratio Lower Upper
 119 100
 134 26.6 20.2 30.2
 91 35.9 24.0 36.0

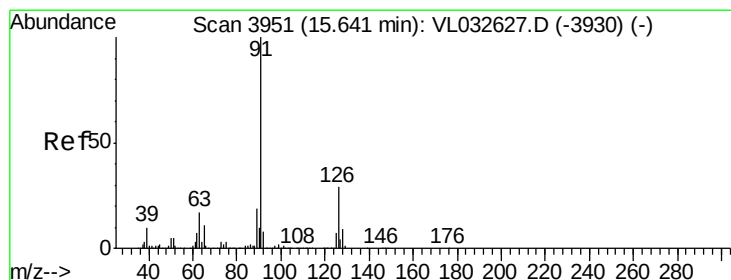
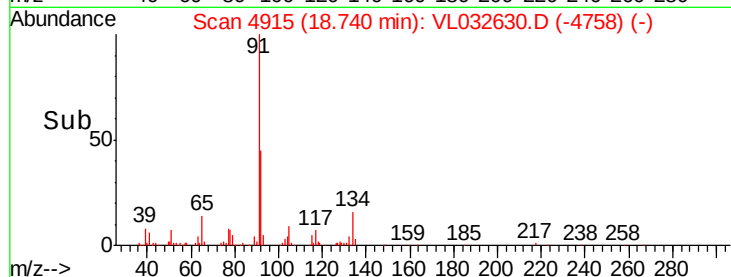
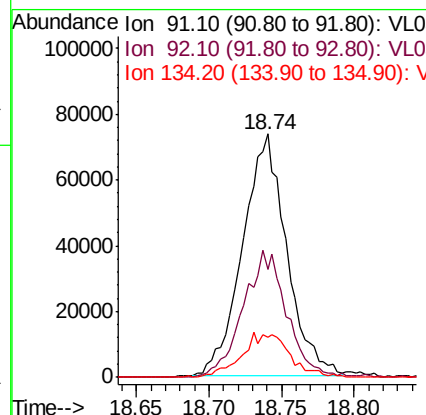
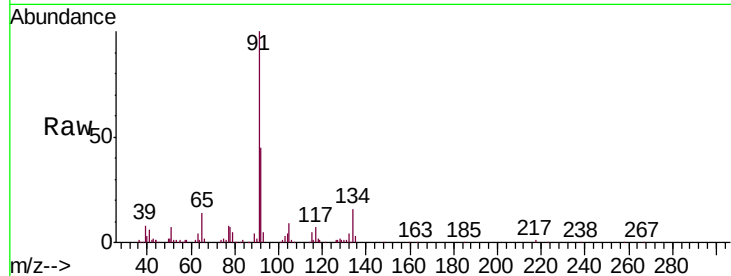




#70
n-Butylbenzene
Concen: 0.404 ppbv
RT: 18.74 min Scan# 4915
Delta R.T. 0.00 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

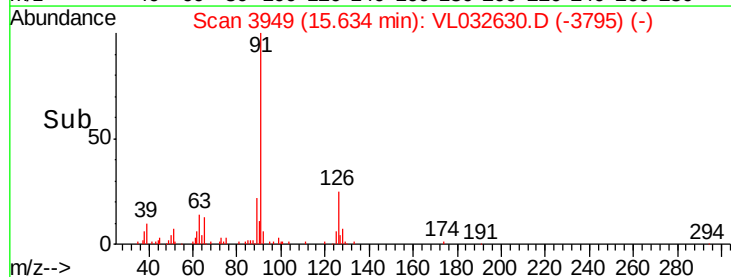
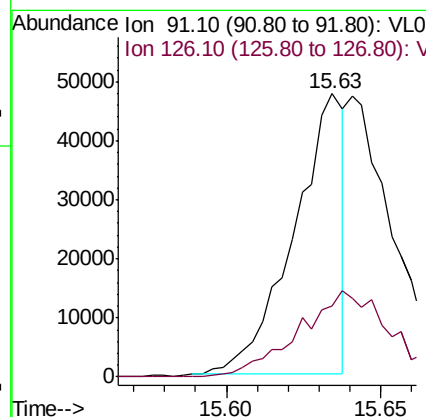
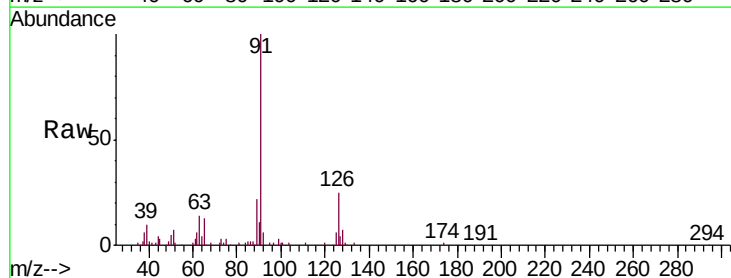
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

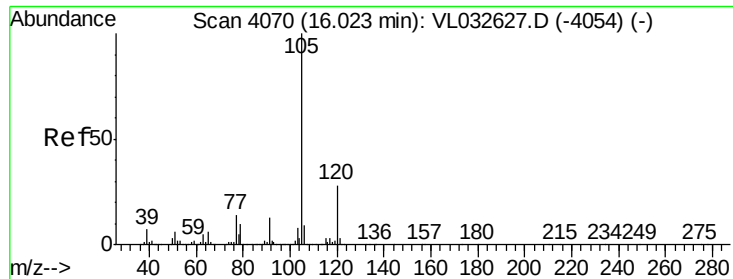
Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	43.0	64.4
134	20.0	17.0	25.6



#71
2-Chlorotoluene
Concen: 0.199 ppbv
RT: 15.63 min Scan# 3949
Delta R.T. -0.01 min
Lab File: VL032630.D
Acq: 17 Oct 2018 4:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.8	47.4#





#72

4-Ethyltoluene

Concen: 0.363 ppbv

RT: 16.02 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

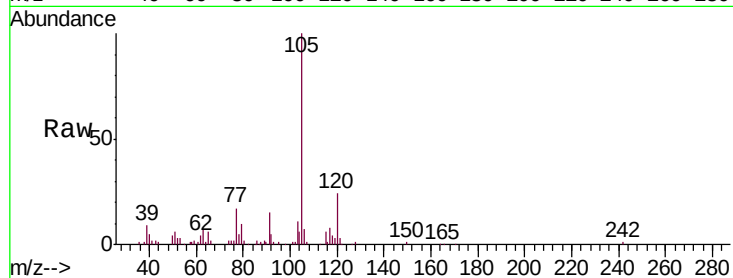
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	105	Resp:	99867
Ion Ratio	Lower	Upper	
105	100		
120	31.0	23.7	35.5
91	18.1	10.4	15.6
77	16.5	11.4	17.2

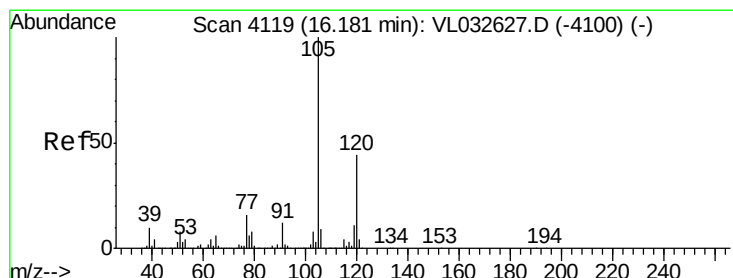
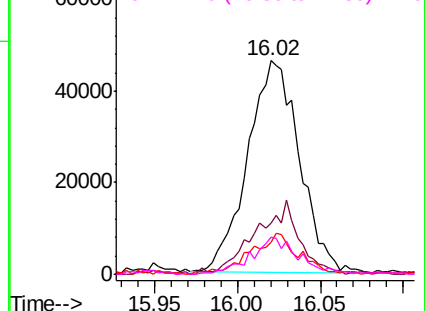
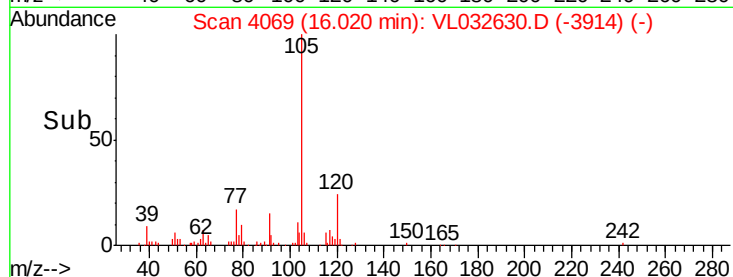


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.382 ppbv

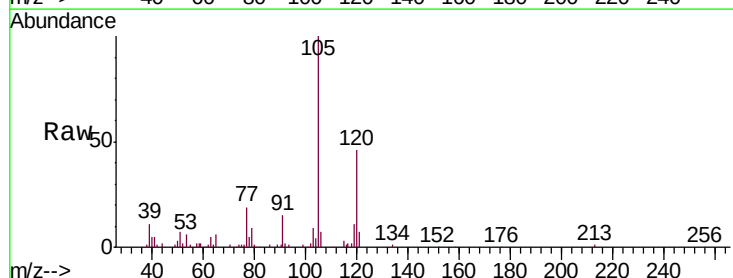
RT: 16.18 min Scan# 4118

Delta R.T. -0.00 min

Lab File: VL032630.D

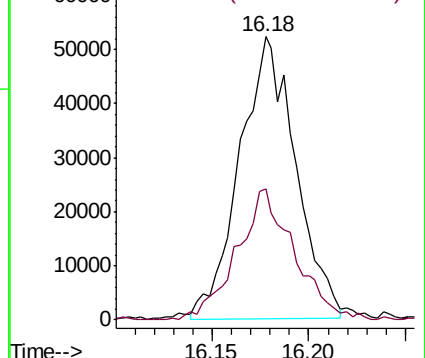
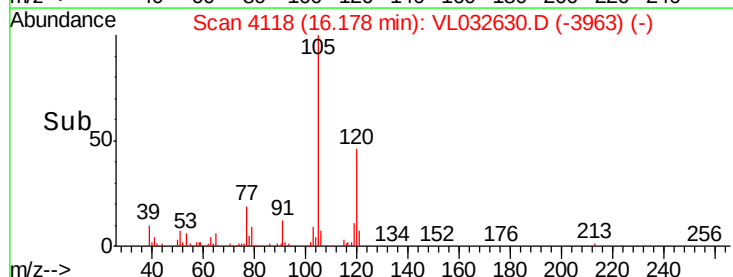
Acq: 17 Oct 2018 4:41

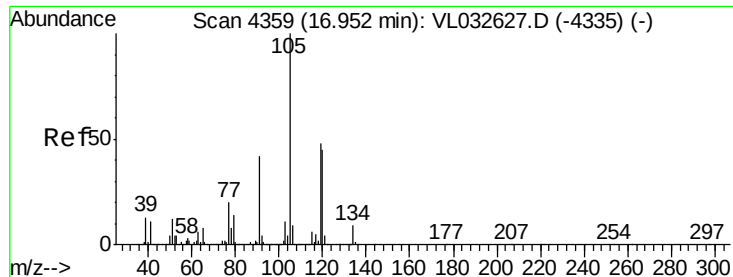
Tgt Ion:	105	Resp:	104616
Ion Ratio	Lower	Upper	
105	100		
120	45.0	35.4	53.2



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: 0.456 ppbv

RT: 16.95 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 137701

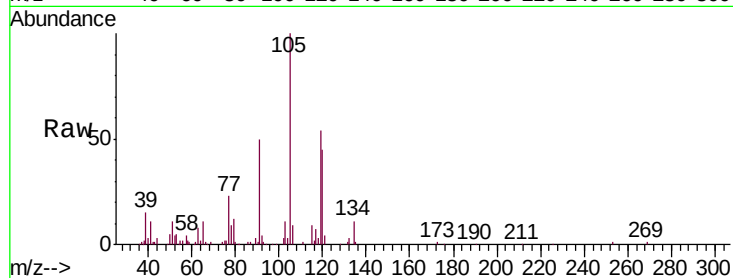
Ion Ratio Lower Upper

105 100

120 49.2 35.8 53.8

91 49.0 33.2 49.8

77 22.7 16.2 24.4

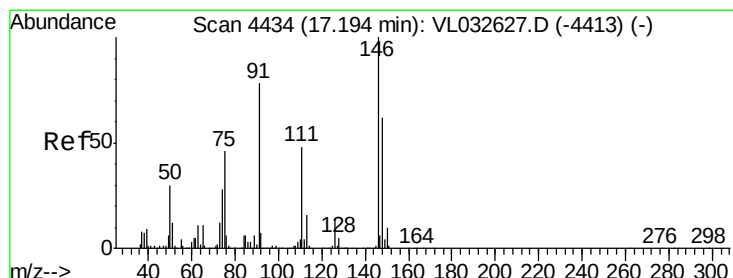
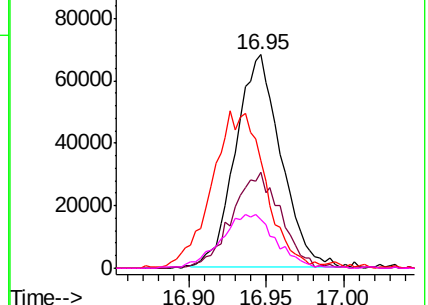
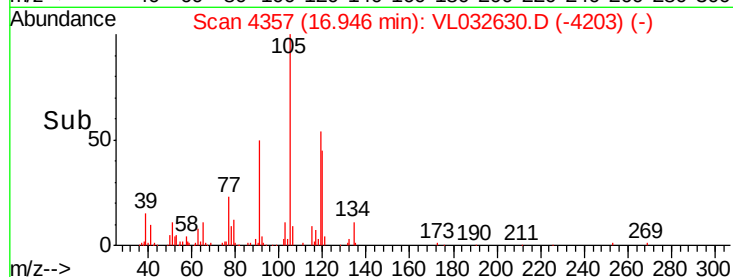


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#75

1,3-Dichlorobenzene

Concen: 0.517 ppbv

RT: 17.18 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

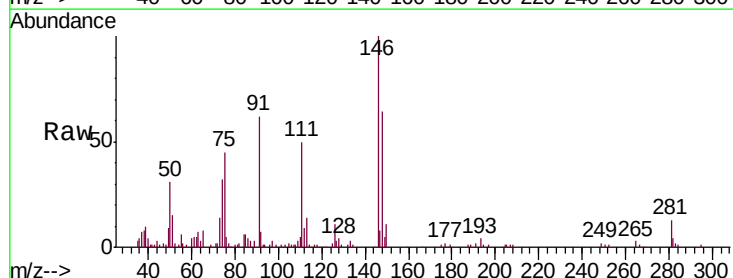
Tgt Ion:146 Resp: 90656

Ion Ratio Lower Upper

146 100

111 55.5 24.4 73.2

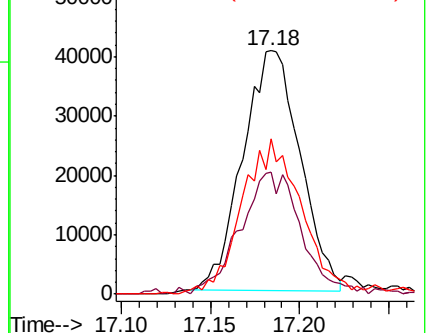
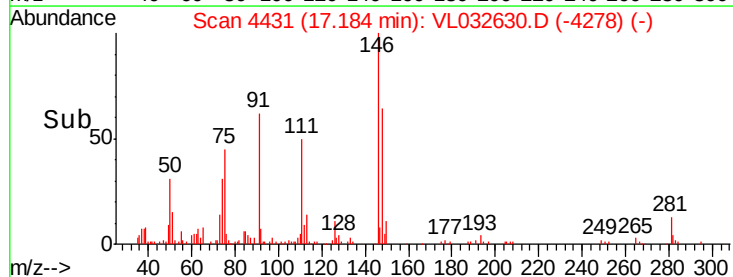
148 68.8 31.9 95.9

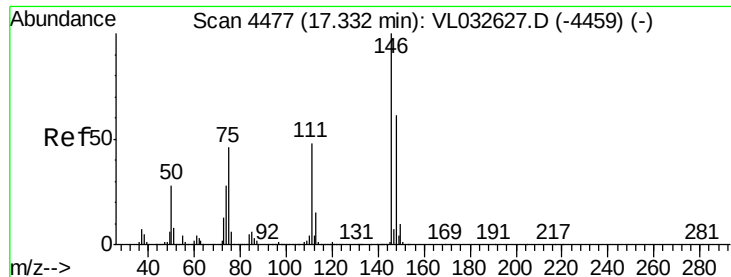


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

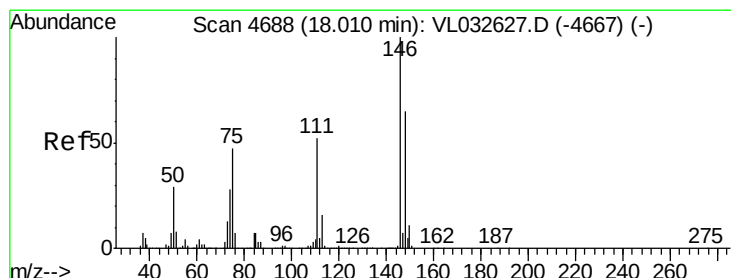
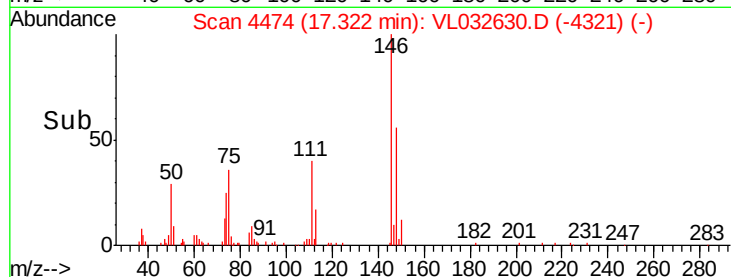
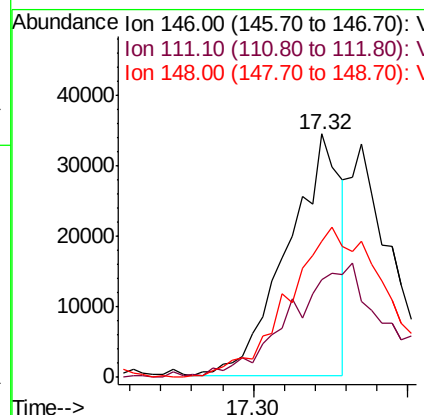
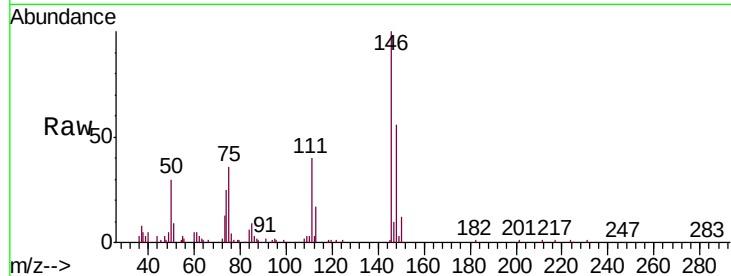




#76
 1,4-Dichlorobenzene
 Concen: 0.260 ppbv
 RT: 17.32 min Scan# 4474
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

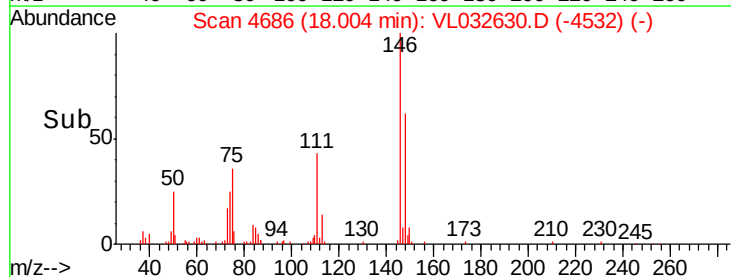
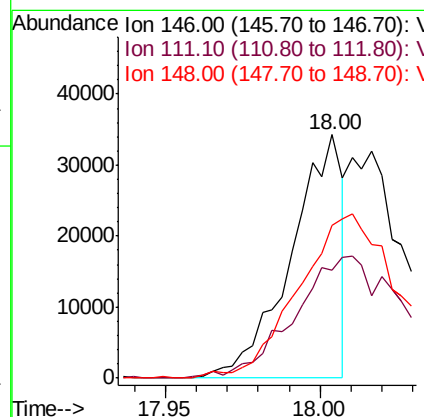
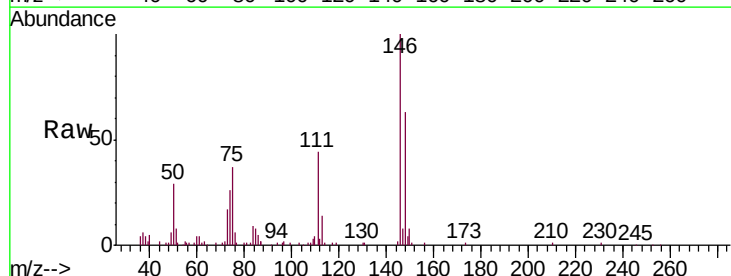
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

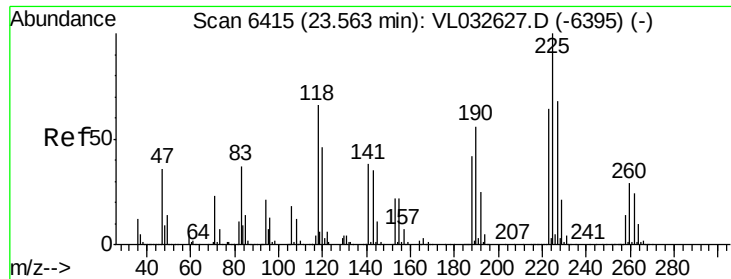
Tgt Ion:146 Resp: 41218
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.7 71.1#
 148 123.0 32.1 96.3#



#77
 1,2-Dichlorobenzene
 Concen: 0.241 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. -0.01 min
 Lab File: VL032630.D
 Acq: 17 Oct 2018 4:41

Tgt Ion:146 Resp: 39686
 Ion Ratio Lower Upper
 146 100
 111 108.0 25.3 75.8#
 148 135.5 31.9 95.9#





#78

Hexachloro-1,3-Butadiene

Concen: 0.298 ppbv

RT: 23.56 min Scan# 6413

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

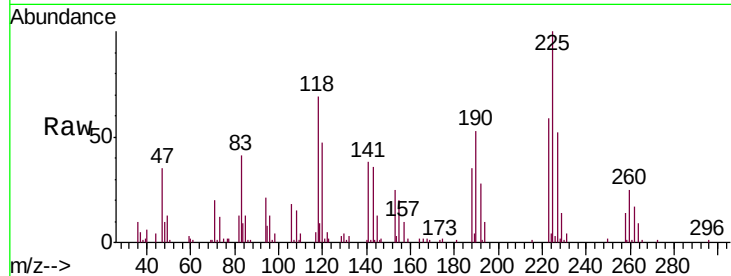
Tgt Ion:225 Resp: 23774

Ion Ratio Lower Upper

225 100

223 0.0 50.7 76.1#

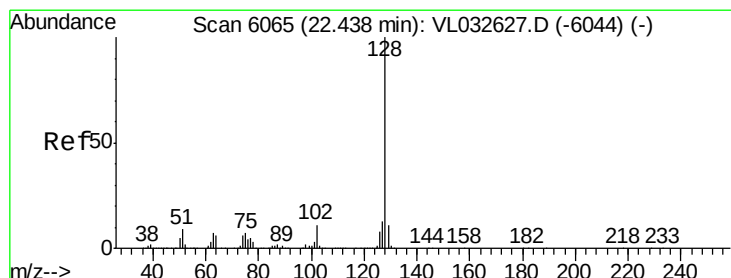
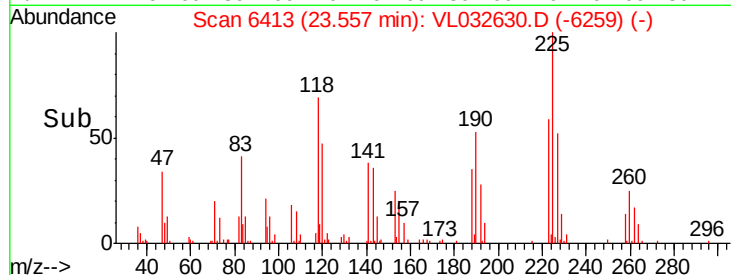
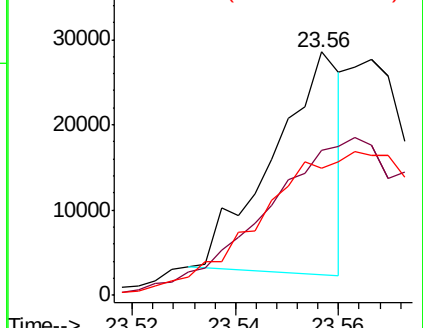
227 0.0 50.7 76.1#



Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V



#79

Naphthalene

Concen: 0.091 ppbv

RT: 22.45 min Scan# 6070

Delta R.T. 0.02 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

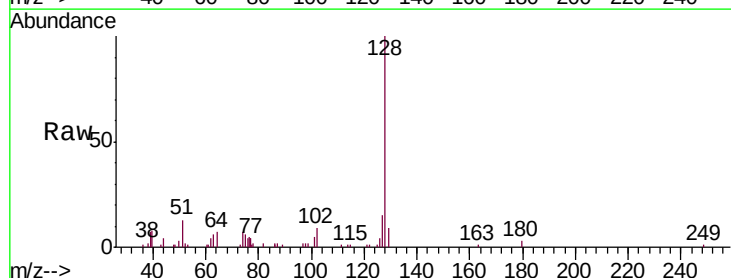
Tgt Ion:128 Resp: 18424

Ion Ratio Lower Upper

128 100

127 10.8 10.3 15.5

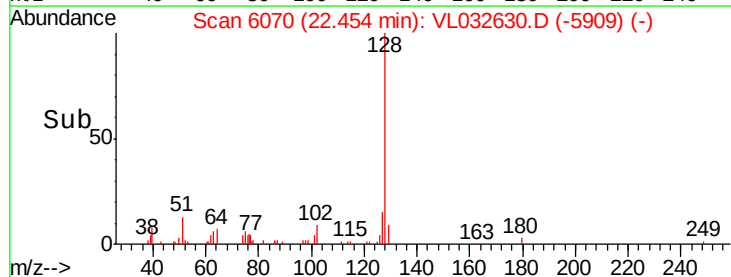
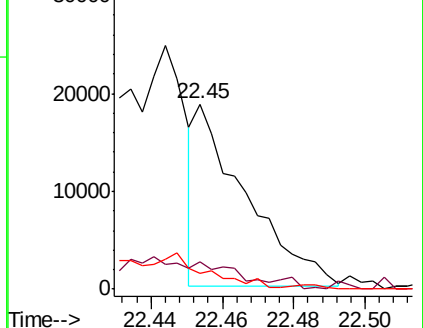
129 8.8 8.6 13.0

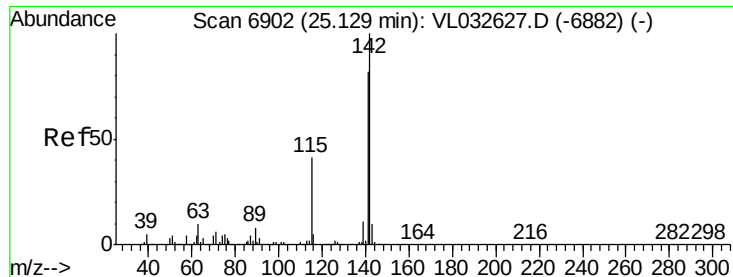


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.186 ppbv

RT: 25.14 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

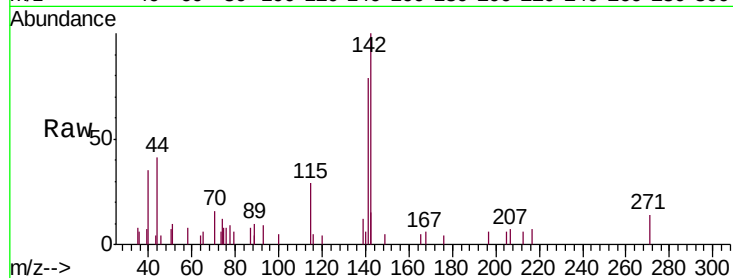
Tgt Ion:142 Resp: 7346

Ion Ratio Lower Upper

142 100

141 99.7 67.5 101.3

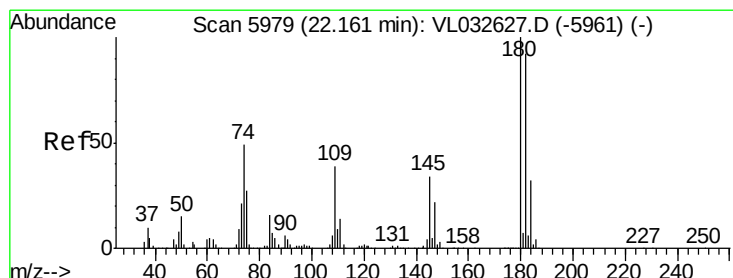
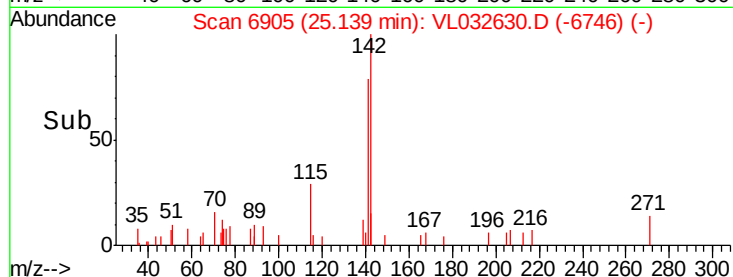
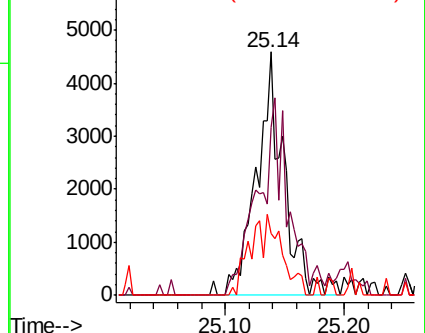
115 37.8 33.5 50.3



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: 0.032 ppbv

RT: 22.15 min Scan# 5975

Delta R.T. -0.01 min

Lab File: VL032630.D

Acq: 17 Oct 2018 4:41

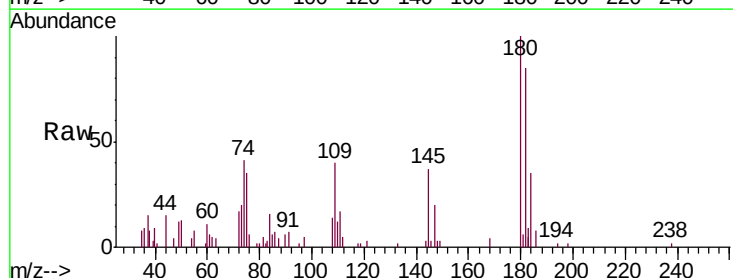
Tgt Ion:180 Resp: 3199

Ion Ratio Lower Upper

180 100

182 0.0 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

