

Data File : VL032628.D
Acq On : 17 Oct 2018 3:26
Operator : SY/AP
Sample : VSTDIC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Oct 17 05:34:48 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	1304075	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2899712	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3050428	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2193184	9.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	207757	1.262	ppbv	99
3) Chlorodifluoromethane	3.03	51	216840	1.992	ppbv	98
4) Chloromethane	3.18	50	117836	1.966	ppbv	96
5) Vinyl Chloride	3.31	62	119149	1.987	ppbv	96
6) Bromomethane	3.53	94	73500	1.949	ppbv	92
7) Chloroethane	3.62	64	46687	1.983	ppbv	91
8) Dichlorotetrafluoroethane	3.23	85	284433	1.934	ppbv	97
9) Propene	3.05	41	80541	1.982	ppbv	100
10) Heptane	8.26	43	309676	2.094	ppbv	98
11) Trichlorofluoromethane	4.02	101	348522	2.172	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.57	101	242587	2.031	ppbv	99
13) Ethanol	3.67	45	22369	1.968	ppbv	96
14) Bromoethene	3.81	108	91564	2.052	ppbv	98
15) Acetone	3.92	43	228440	1.997	ppbv	98
16) 1,3-Butadiene	3.38	39	87105	1.906	ppbv	96
17) tert-Butyl alcohol	4.37	59	7082	0.757	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	119393	2.243	ppbv	98
19) Isopropyl Alcohol	4.05	45	171974	2.317	ppbv #	98
20) Methylene Chloride	4.43	84	102903	1.961	ppbv	94
21) Allyl Chloride	4.50	41	169152	1.943	ppbv	97
22) trans-1,2-Dichloroethene	4.98	96	125237	2.024	ppbv	97
23) Vinyl Acetate	5.17	43	392786	2.179	ppbv	97
24) 1,1-Dichloroethane	5.11	63	351103	2.204	ppbv	99
25) Ethyl Acetate	5.79	43	563193	2.118	ppbv	99
26) Hexane	5.80	57	260414	2.144	ppbv	97
27) Carbon Disulfide	4.64	76	271968	1.871	ppbv	96
28) Methyl tert-Butyl Ether	5.14	73	327256	2.280	ppbv	99
29) Chloroform	5.86	83	424925	2.046	ppbv	100
30) Cyclohexane	7.27	84	194794	2.041	ppbv	84
31) cis-1,2-Dichloroethene	5.66	61	243793	2.115	ppbv #	88
32) 1,1,1-Trichloroethane	6.64	97	417541	2.080	ppbv	99
34) 2-Butanone	5.35	43	322710	2.158	ppbv	100
35) Carbon Tetrachloride	7.15	117	431862	2.073	ppbv	99
36) Benzene	7.03	78	500592	2.182	ppbv	99
37) 1,2-Dichloroethane	6.43	62	324654	2.125	ppbv	99
38) Trichloroethene	7.98	130	187997	2.226	ppbv	96
39) 1,2-Dichloropropane	7.75	63	198129	2.111	ppbv	94
40) 1,4-Dioxane	7.99	88	61794	1.998	ppbv #	74
41) Tetrahydrofuran	6.18	42	179897	2.156	ppbv	99
42) Bromodichloromethane	7.94	83	448615	2.097	ppbv	97
43) Methyl Methacrylate	8.16	69	193914	2.176	ppbv	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	914955	2.240	ppbv	99
45) t-1,3-Dichloropropene	9.44	75	236201	2.104	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	277195	2.168	ppbv	95
47) 1,1,2-Trichloroethane	9.63	97	231662	2.081	ppbv	98
48) Dibromochloromethane	10.47	129	392439	2.119	ppbv	99
49) Bromoform	13.22	173	303276	2.146	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	519522	2.262	ppbv	98
51) 2-Hexanone	10.30	43	398813	2.220	ppbv #	97
52) Tetrachloroethene	11.39	164	97568	1.321	ppbv	94
53) Toluene	9.97	91	575550	2.199	ppbv	98
54) 1,2-Dibromoethane	10.78	107	332005	2.128	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.30	131	281201	2.038	ppbv #	1
57) Chlorobenzene	12.32	112	471112	2.038	ppbv	96
58) Ethyl Benzene	12.89	91	743733	2.216	ppbv	100
59) m/p-Xylene	13.17	91	713320	2.342	ppbv #	31
60) o-Xylene	13.87	91	651736	2.170	ppbv	100
61) Styrene	13.70	104	409712	2.222	ppbv	100
62) Isopropylbenzene	14.85	105	912763	2.133	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	522058	1.996	ppbv	98
64) n-propylbenzene	15.74	120	232095	2.151	ppbv	93
65) tert-Butylbenzene	16.93	119	806844	2.227	ppbv	98
66) Benzyl Chloride	17.18	91	423348	2.118	ppbv	98
67) sec-Butylbenzene	17.48	105	1199121	2.217	ppbv	100
69) p-Isopropyltoluene	17.83	119	935518	2.256	ppbv	99
70) n-Butylbenzene	18.73	91	1028648	2.275	ppbv	99
71) 2-Chlorotoluene	15.64	91	699104	2.222	ppbv	98
72) 4-Ethyltoluene	16.02	105	717015	2.211	ppbv	98
73) 1,3,5-Trimethylbenzene	16.18	105	716570	2.221	ppbv	99
74) 1,2,4-Trimethylbenzene	16.95	105	776741	2.182	ppbv	93
75) 1,3-Dichlorobenzene	17.18	146	435692	2.106	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	402048	2.155	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	425766	2.192	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	192051	2.039	ppbv	100
79) Naphthalene	22.44	128	538556	2.245	ppbv	95
80) Naphthalene,2-methyl-	25.14	142	65926	1.412	ppbv	93
81) 1,2,4-Trichlorobenzene	22.16	180	262920	2.215	ppbv	99

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

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VSTDICC002

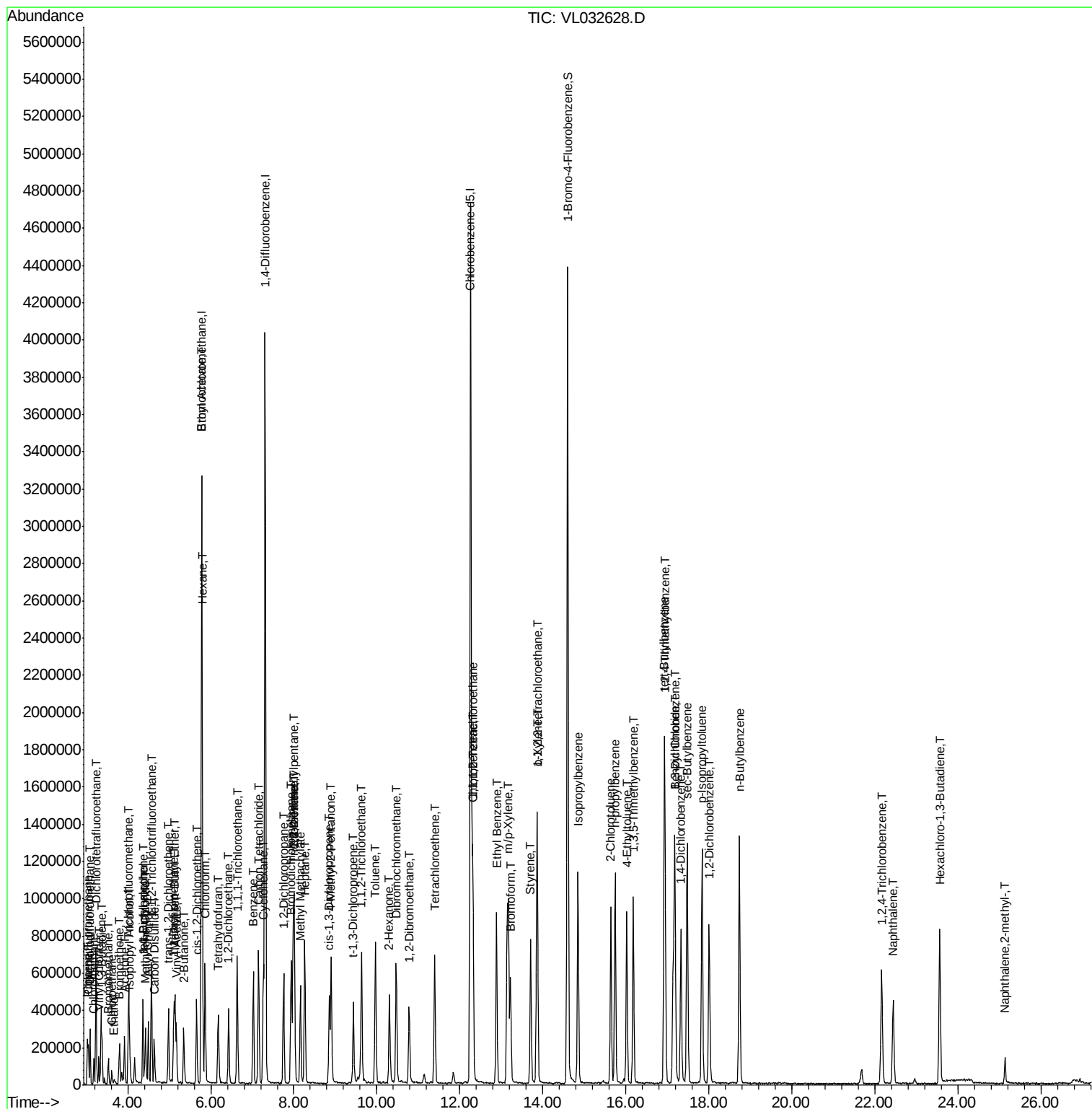
Quant Time: Oct 17 05:34:48 2018

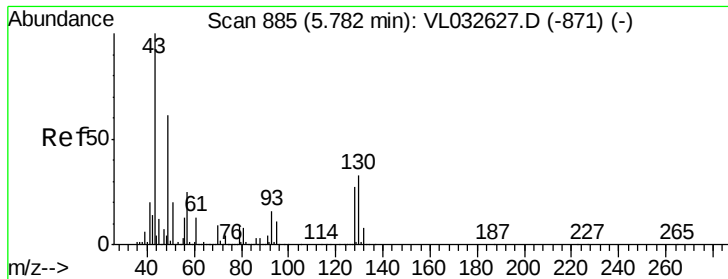
Quant Method : Z:\VOASRV\HPCHEM1\MSV0A_L\METHODS\VL101718AIR.M

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032628.D

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ClientSampleId :

VSTDIC002

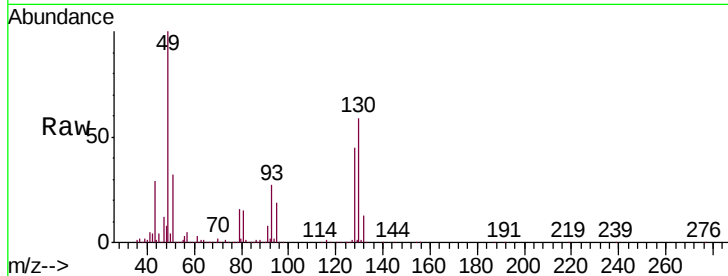
Tgt Ion: 49 Resp: 1304075

Ion Ratio Lower Upper

49 100

128 44.8 22.3 66.8

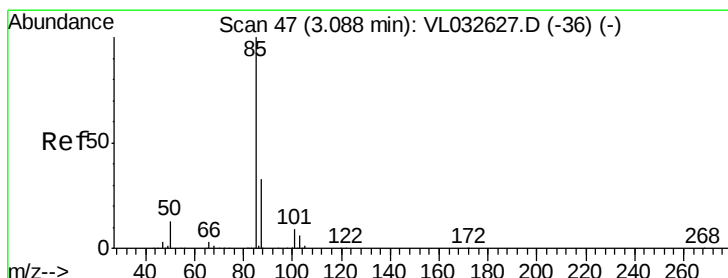
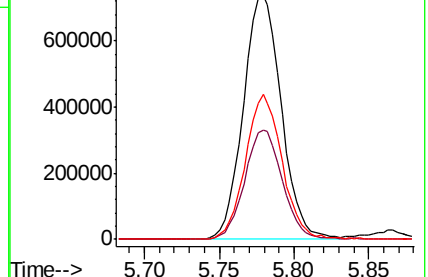
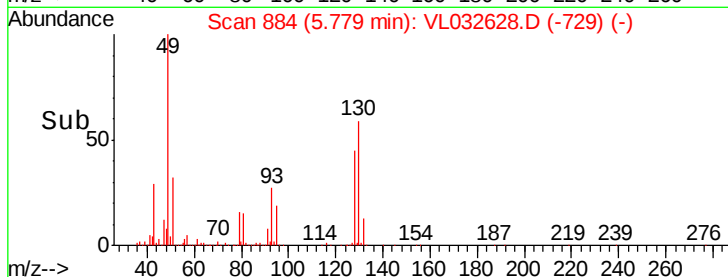
130 57.5 28.4 85.3



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: 1.262 ppbv

RT: 3.09 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL032628.D

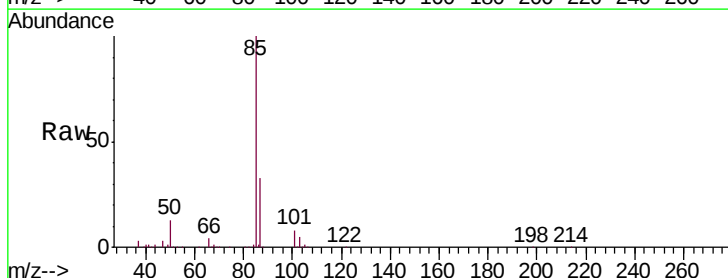
Acq: 17 Oct 2018 3:26

Tgt Ion: 85 Resp: 207757

Ion Ratio Lower Upper

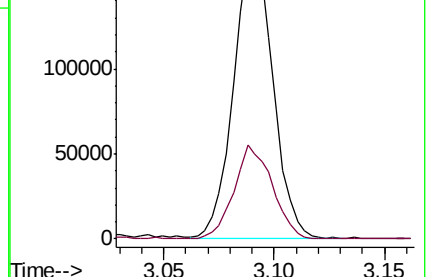
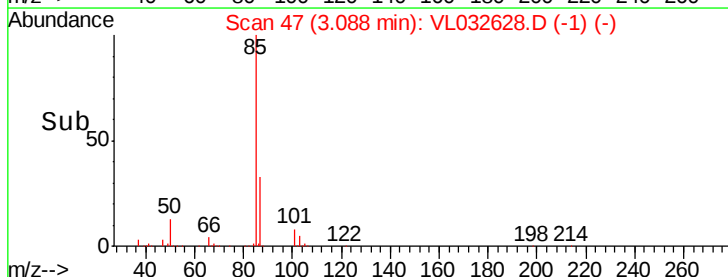
85 100

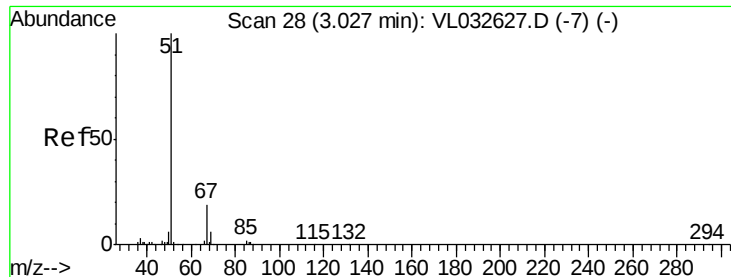
87 33.1 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

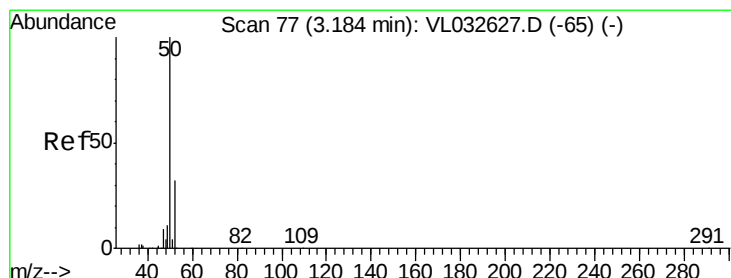
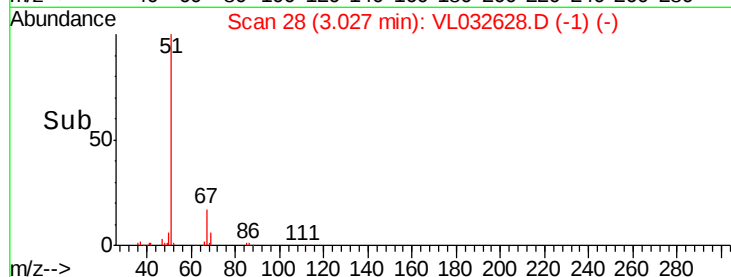
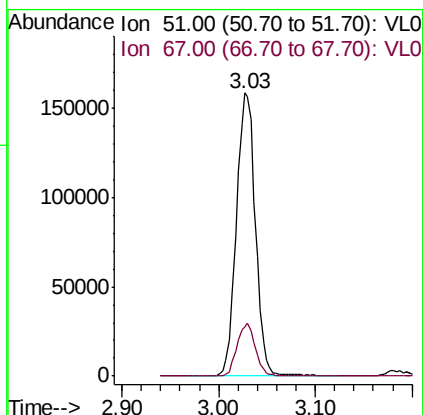
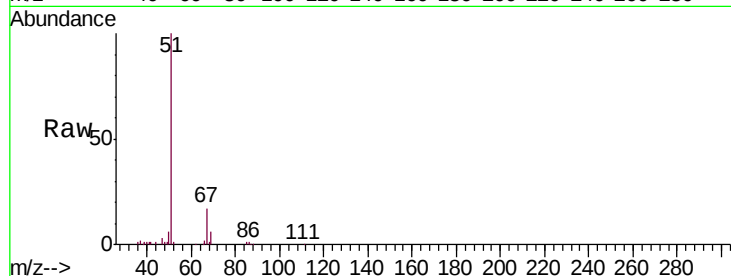




#3
 Chlorodifluoromethane
 Concen: 1.992 ppbv
 RT: 3.03 min Scan# 28
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

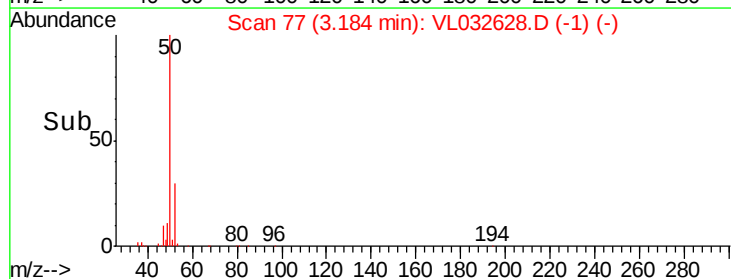
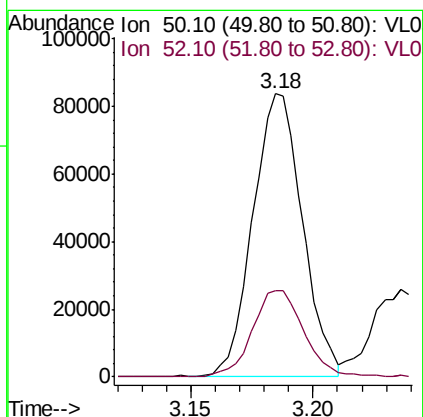
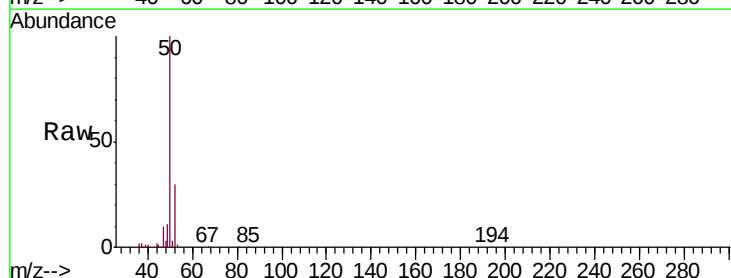
Instrument :
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 VSTDIC002

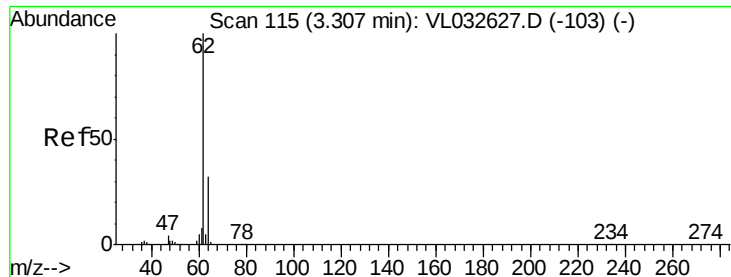
Tgt Ion: 51 Resp: 216840
 Ion Ratio Lower Upper
 51 100
 67 18.0 15.2 22.8



#4
 Chloromethane
 Concen: 1.966 ppbv
 RT: 3.18 min Scan# 77
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 50 Resp: 117836
 Ion Ratio Lower Upper
 50 100
 52 30.3 25.9 38.9





#5

Vinyl Chloride

Concen: 1.987 ppbv

RT: 3.31 min Scan# 115

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

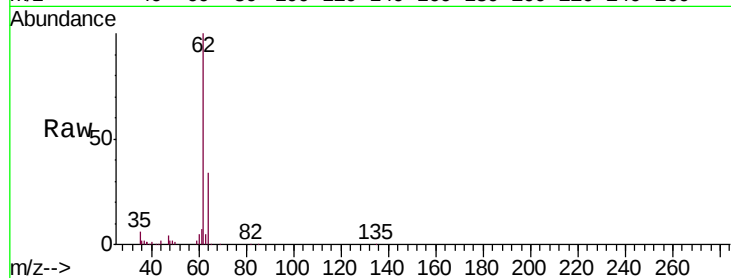
VSTDIC002

Tgt Ion: 62 Resp: 119149

Ion Ratio Lower Upper

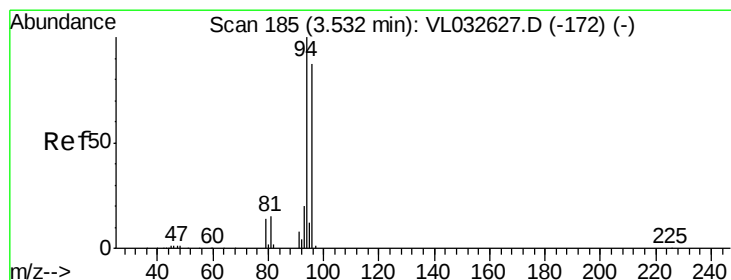
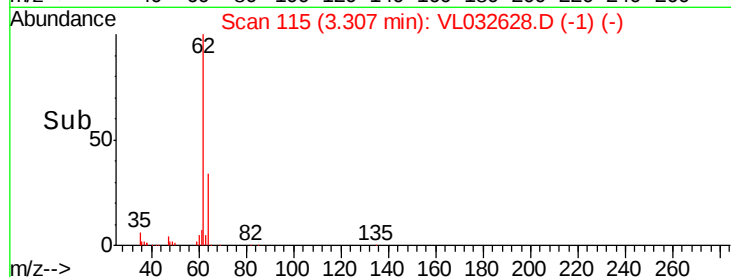
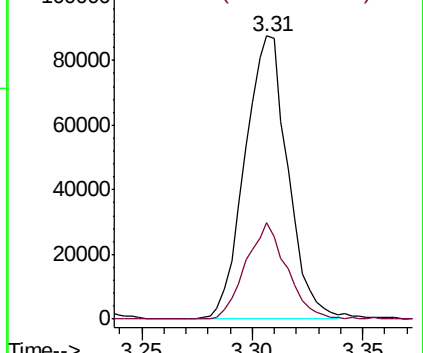
62 100

64 33.9 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: 1.949 ppbv

RT: 3.53 min Scan# 185

Delta R.T. 0.00 min

Lab File: VL032628.D

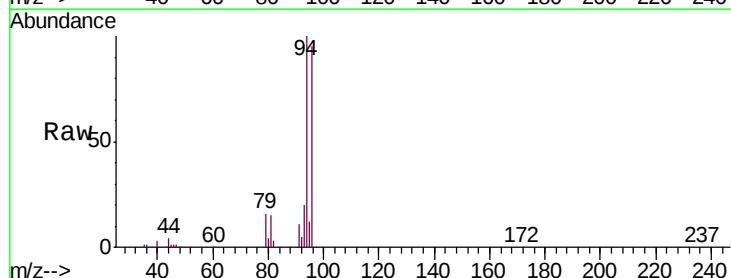
Acq: 17 Oct 2018 3:26

Tgt Ion: 94 Resp: 73500

Ion Ratio Lower Upper

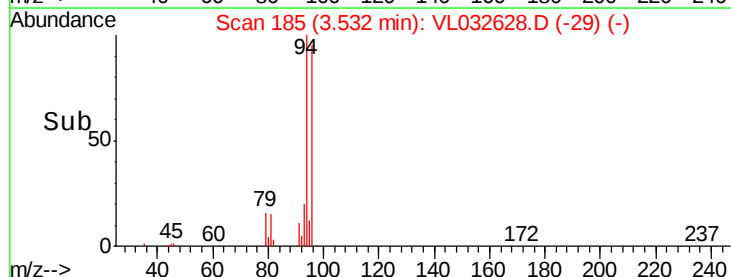
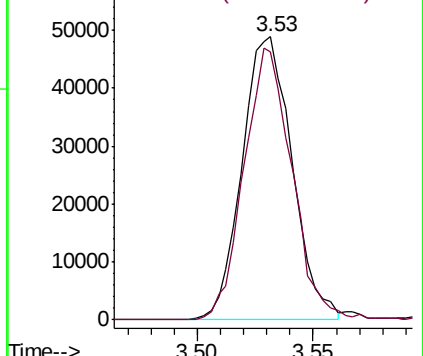
94 100

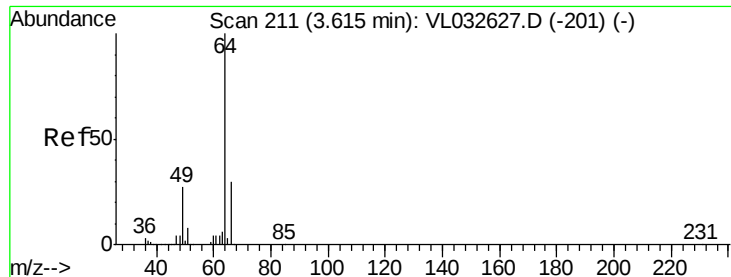
96 94.6 69.8 104.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 1.983 ppbv

RT: 3.62 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

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ClientSampleId :

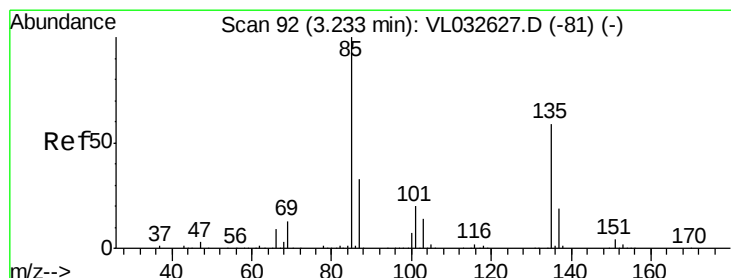
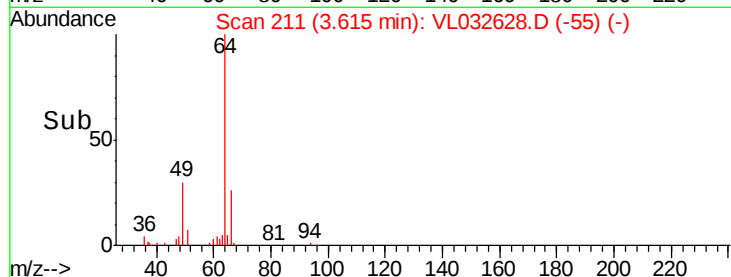
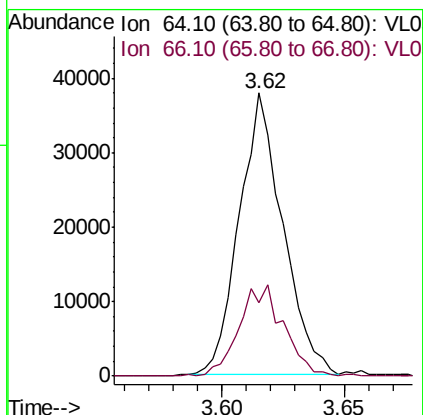
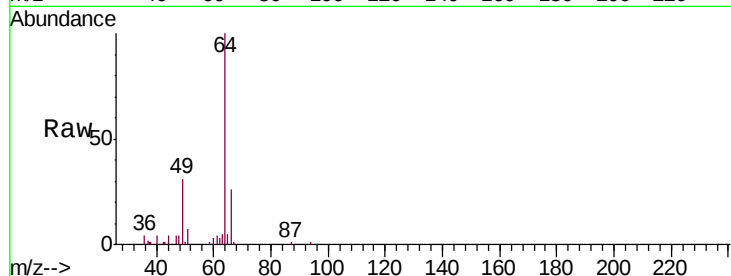
VSTDIC002

Tgt Ion: 64 Resp: 46687

Ion Ratio Lower Upper

64 100

66 25.8 24.4 36.6



#8

Dichlorotetrafluoroethane

Concen: 1.934 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032628.D

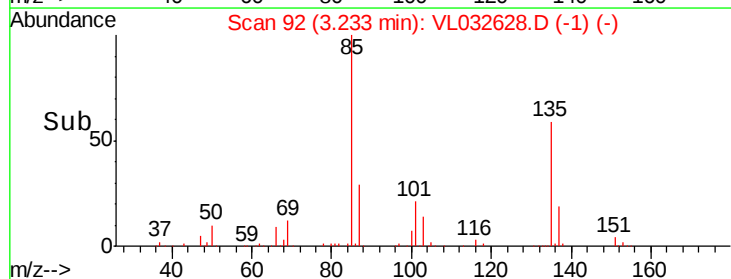
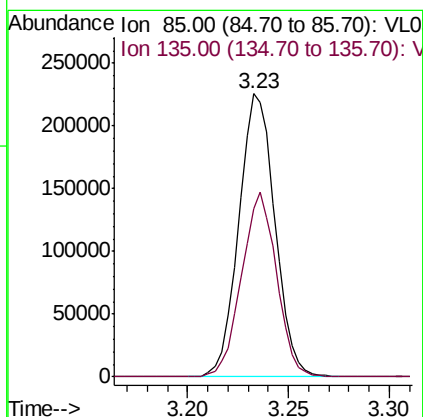
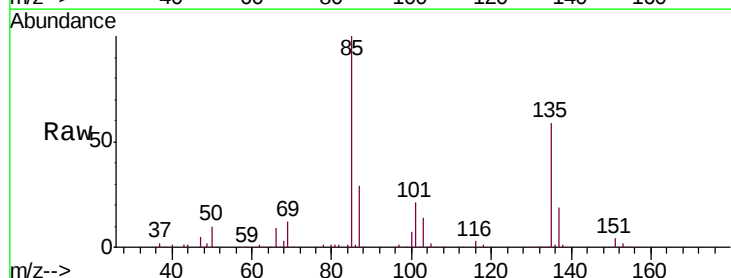
Acq: 17 Oct 2018 3:26

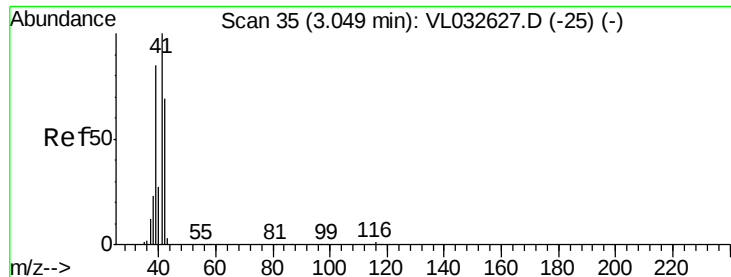
Tgt Ion: 85 Resp: 284433

Ion Ratio Lower Upper

85 100

135 63.2 49.0 73.4





#9

Propene

Concen: 1.982 ppbv

RT: 3.05 min Scan# 35

Delta R.T. 0.00 min

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Acq: 17 Oct 2018 3:26

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ClientSampleId :

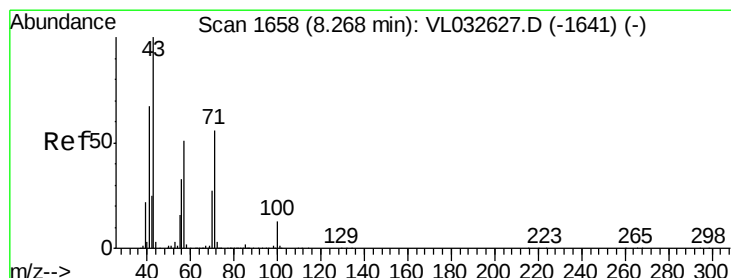
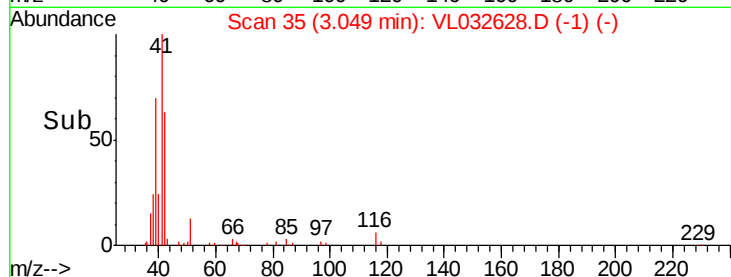
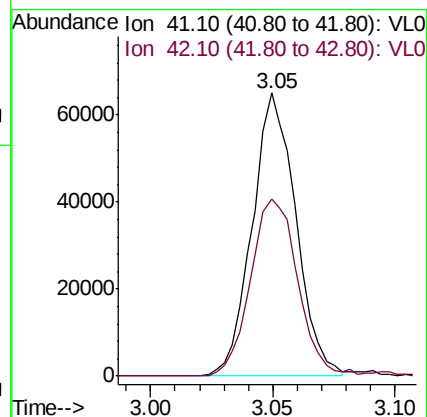
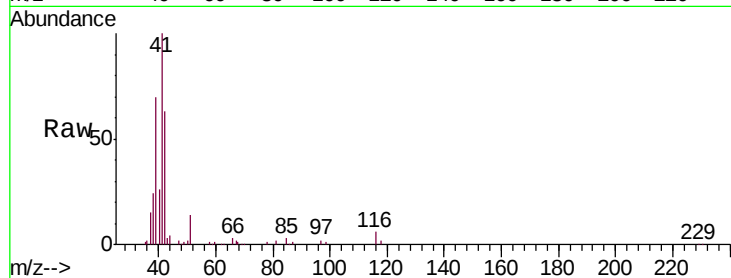
VSTDIC002

Tgt Ion: 41 Resp: 80541

Ion Ratio Lower Upper

41 100

42 69.0 55.4 83.0



#10

Heptane

Concen: 2.094 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL032628.D

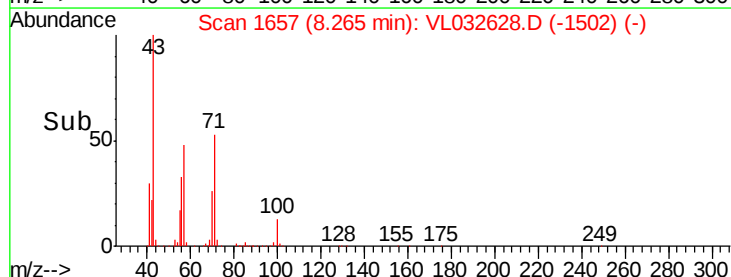
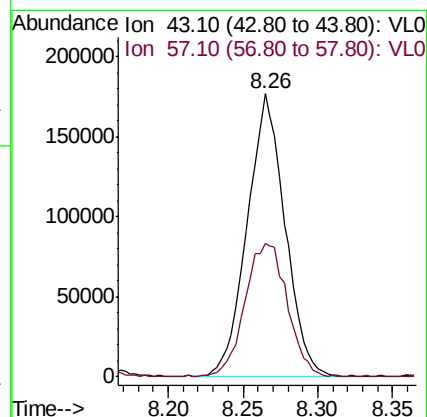
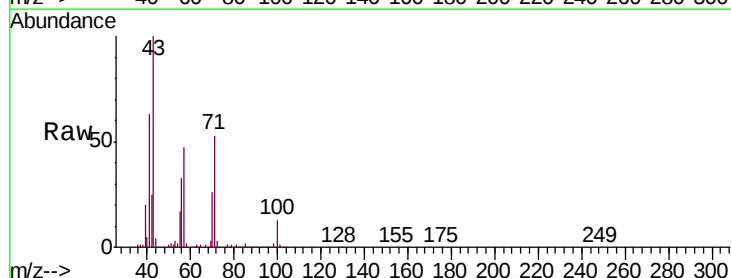
Acq: 17 Oct 2018 3:26

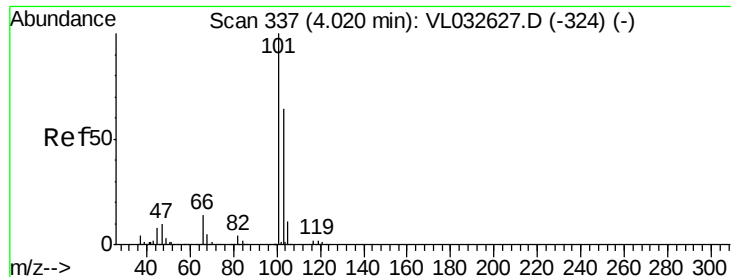
Tgt Ion: 43 Resp: 309676

Ion Ratio Lower Upper

43 100

57 53.3 41.5 62.3

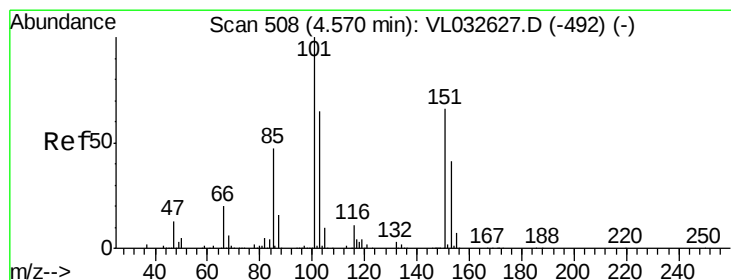
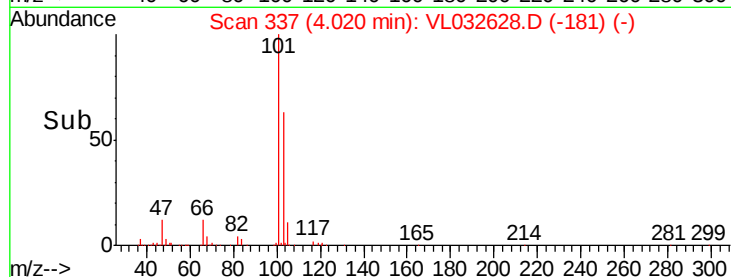
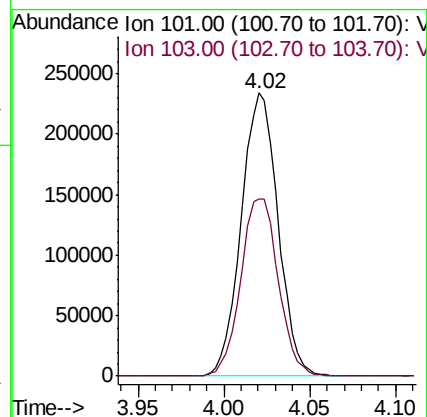
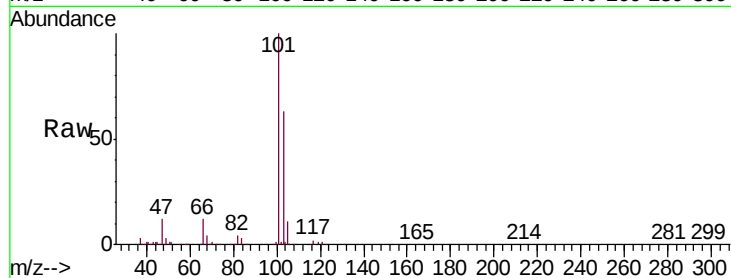




#11
 Trichlorofluoromethane
 Concen: 2.172 ppbv
 RT: 4.02 min Scan# 337
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

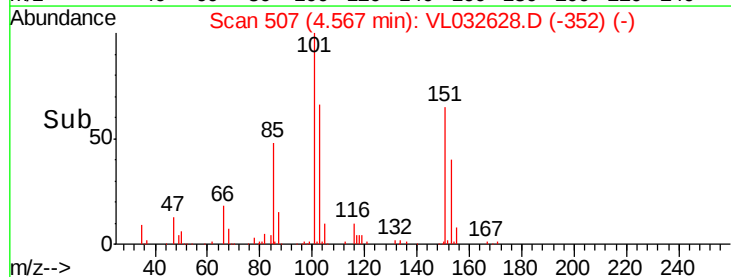
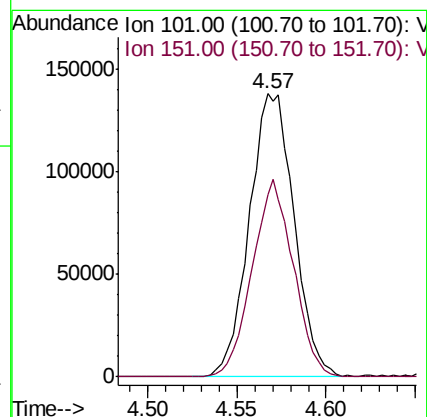
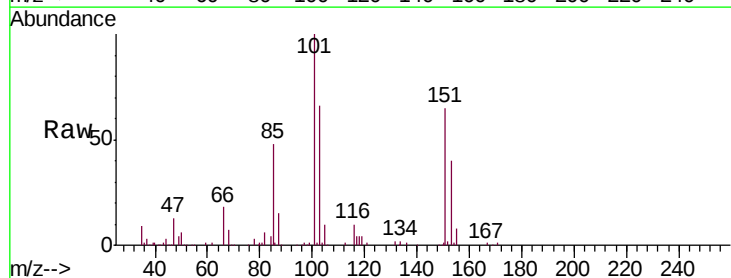
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

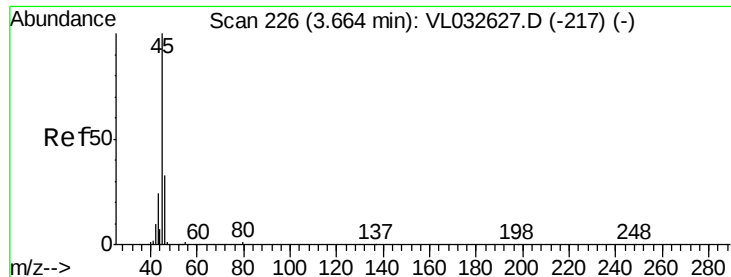
Tgt Ion:101 Resp: 348522
 Ion Ratio Lower Upper
 101 100
 103 62.6 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.031 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion:101 Resp: 242587
 Ion Ratio Lower Upper
 101 100
 151 64.3 52.3 78.5





#13

Ethanol

Concen: 1.968 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

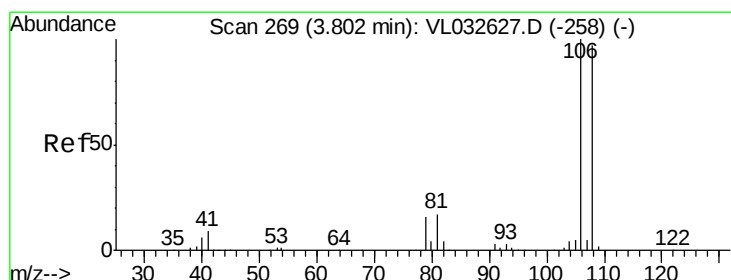
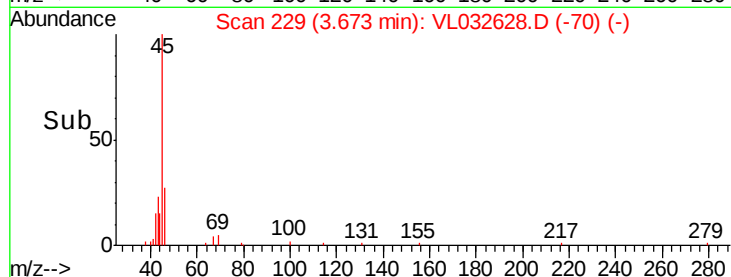
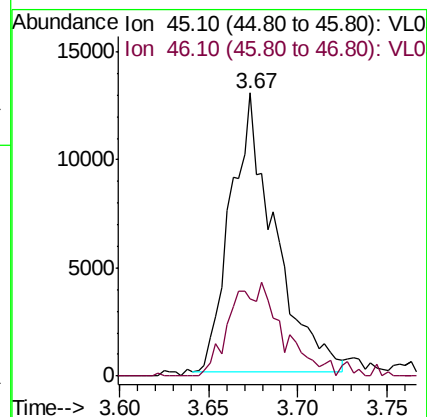
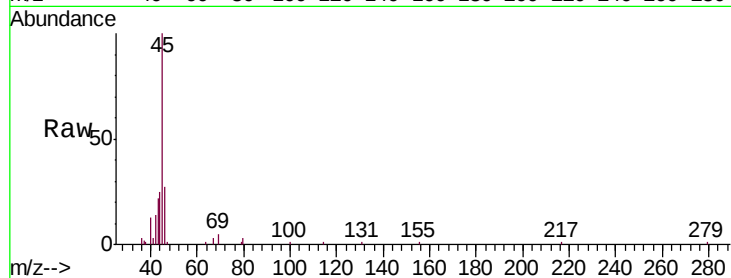
VSTDIC002

Tgt Ion: 45 Resp: 22369

Ion Ratio Lower Upper

45 100

46 41.1 15.4 61.8



#14

Bromoethene

Concen: 2.052 ppbv

RT: 3.81 min Scan# 270

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

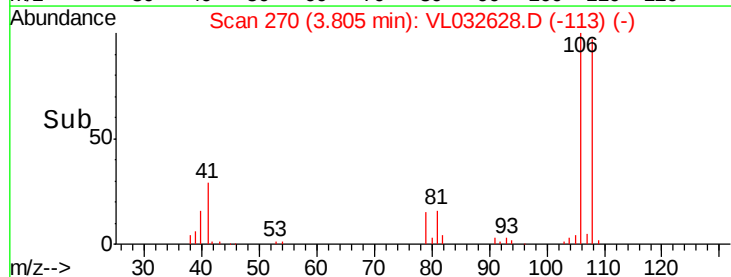
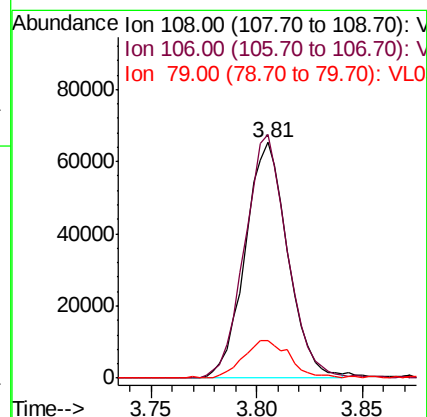
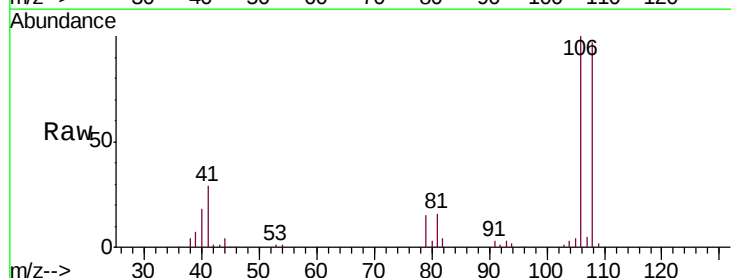
Tgt Ion: 108 Resp: 91564

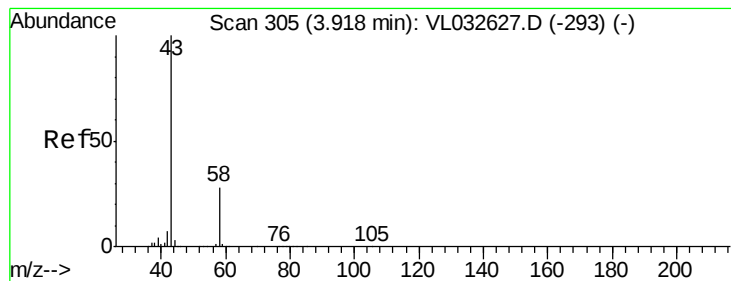
Ion Ratio Lower Upper

108 100

106 104.5 85.0 127.4

79 17.7 13.7 20.5





#15

Acetone

Concen: 1.997 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

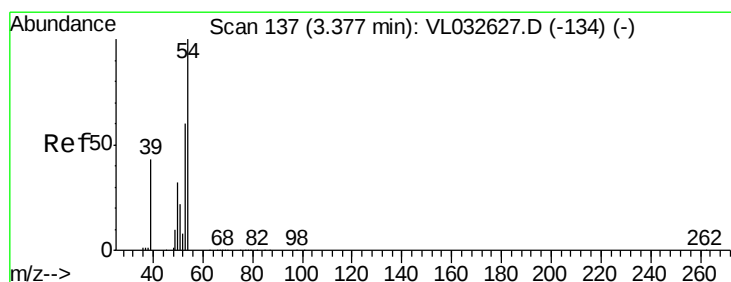
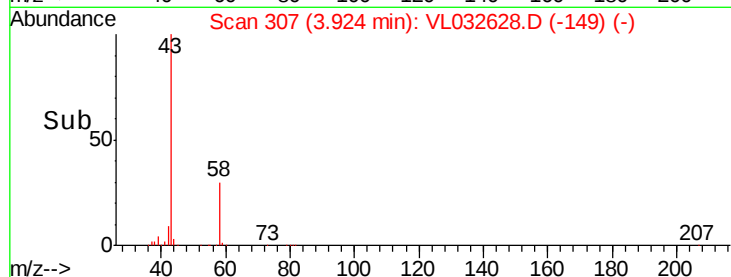
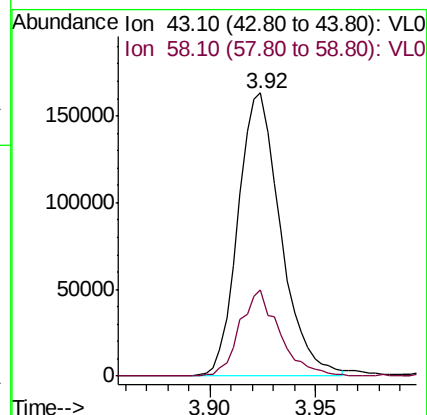
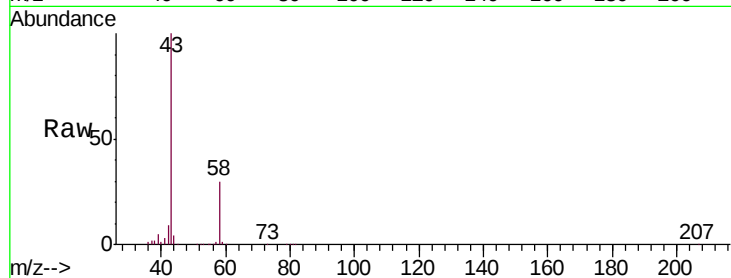
VSTDIC002

Tgt Ion: 43 Resp: 228440

Ion Ratio Lower Upper

43 100

58 28.7 22.1 33.1



#16

1,3-Butadiene

Concen: 1.906 ppbv

RT: 3.38 min Scan# 138

Delta R.T. 0.00 min

Lab File: VL032628.D

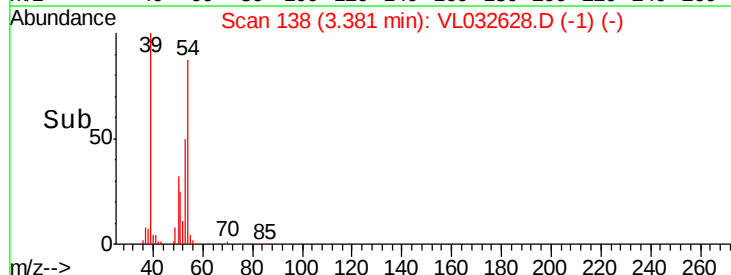
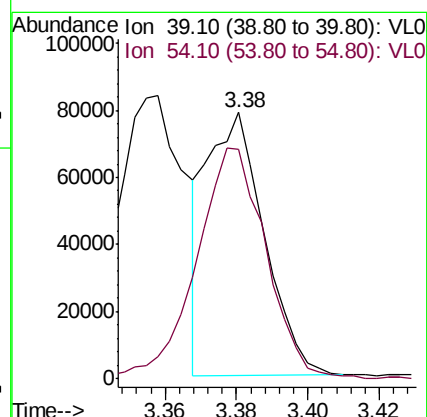
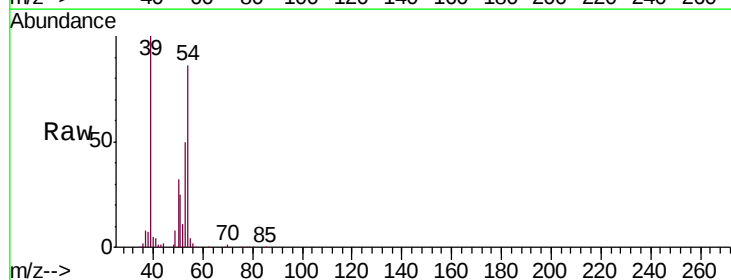
Acq: 17 Oct 2018 3:26

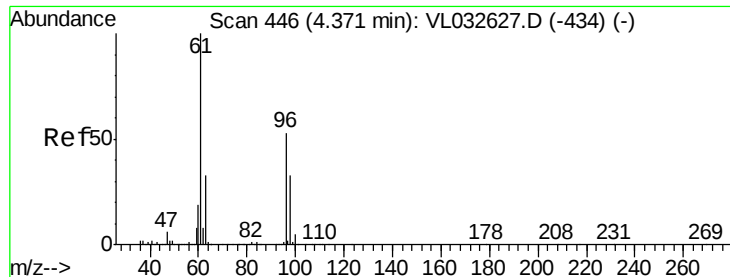
Tgt Ion: 39 Resp: 87105

Ion Ratio Lower Upper

39 100

54 108.3 90.4 135.6



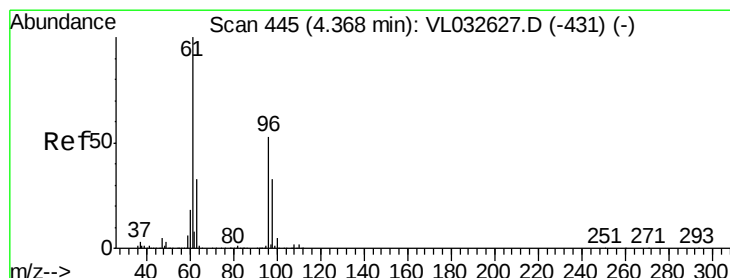
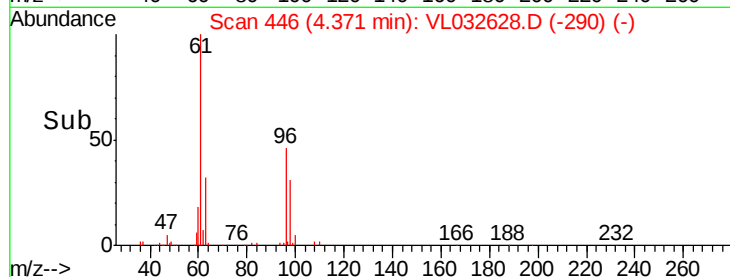
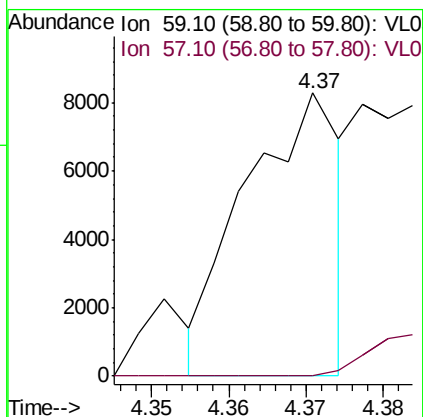
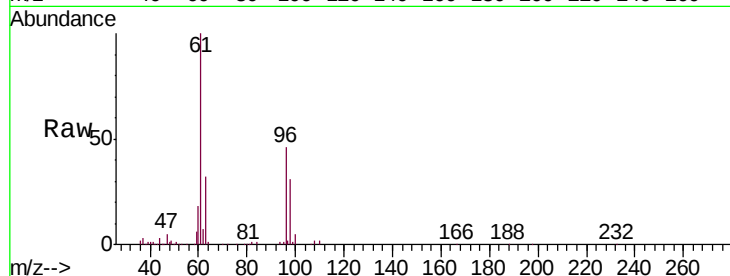


#17

tert-Butyl alcohol
Concen: 0.757 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

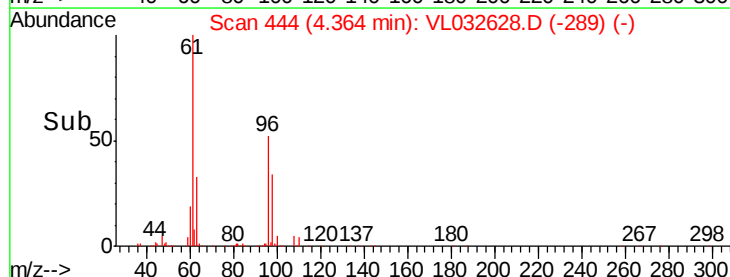
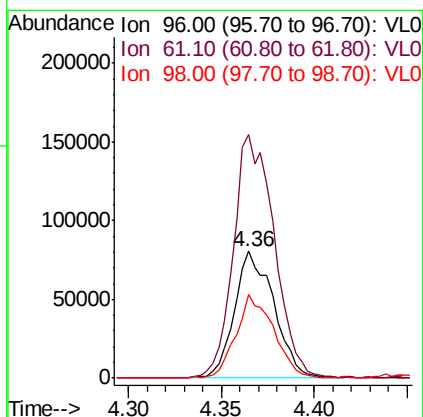
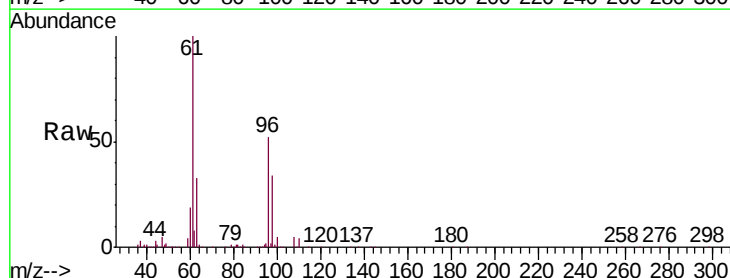
Tgt Ion: 59 Resp: 7082
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0

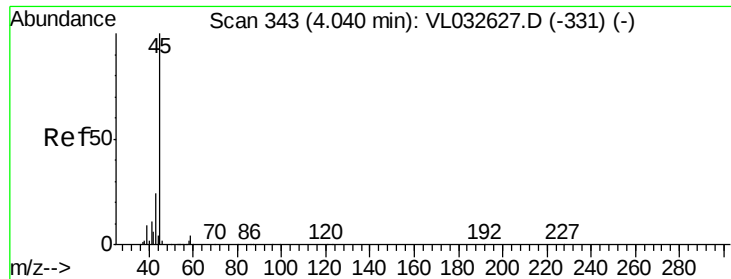


#18

1,1-Dichloroethene
Concen: 2.243 ppbv
RT: 4.36 min Scan# 444
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 96 Resp: 119393
Ion Ratio Lower Upper
96 100
61 191.2 151.6 227.4
98 65.5 50.6 75.8



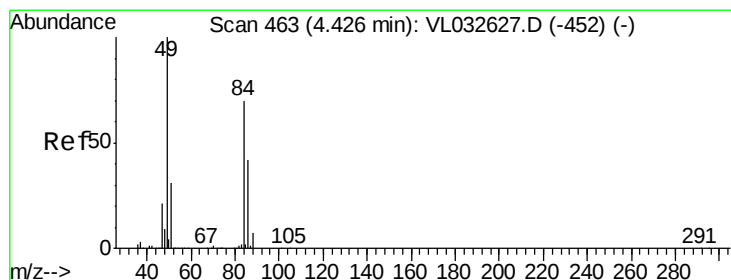
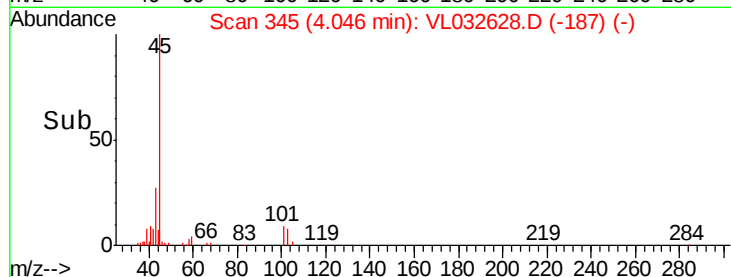
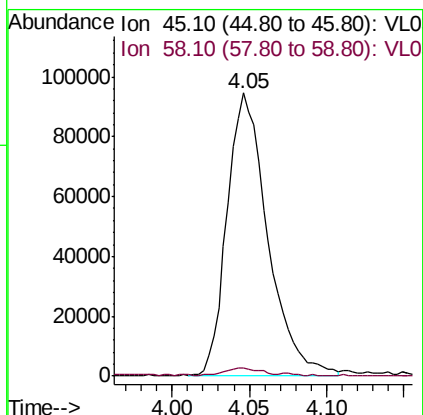
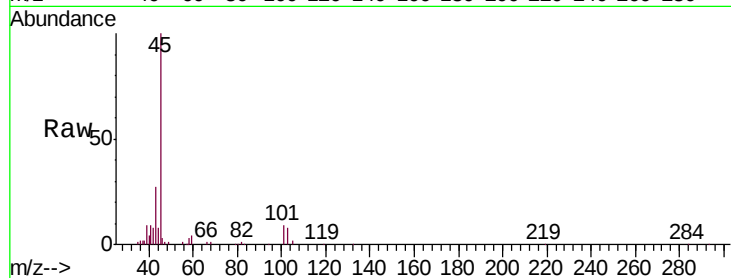


#19

Isopropyl Alcohol
 Concen: 2.317 ppbv
 RT: 4.05 min Scan# 345
 Delta R.T. 0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

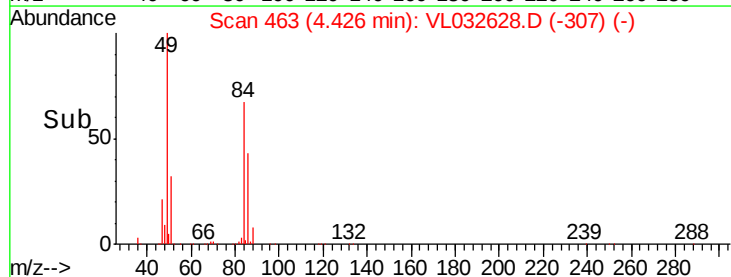
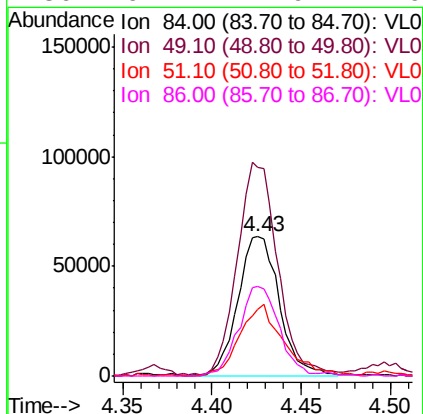
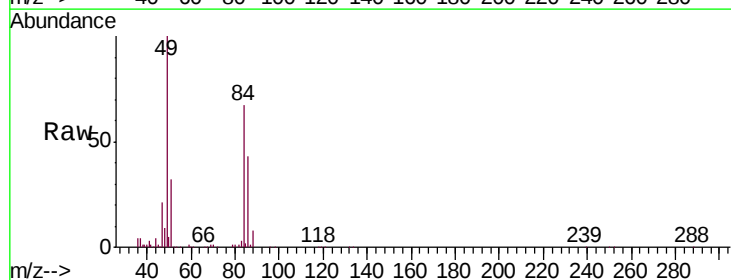
Tgt Ion: 45 Resp: 171974
 Ion Ratio Lower Upper
 45 100
 58 3.1 2.0 3.0#

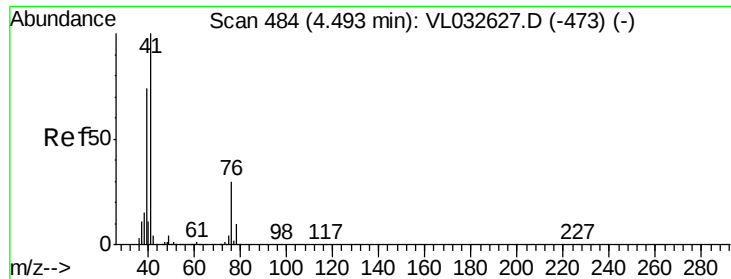


#20

Methylene Chloride
 Concen: 1.961 ppbv
 RT: 4.43 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 84 Resp: 102903
 Ion Ratio Lower Upper
 84 100
 49 148.9 113.5 170.3
 51 48.3 34.8 52.2
 86 64.2 47.9 71.9

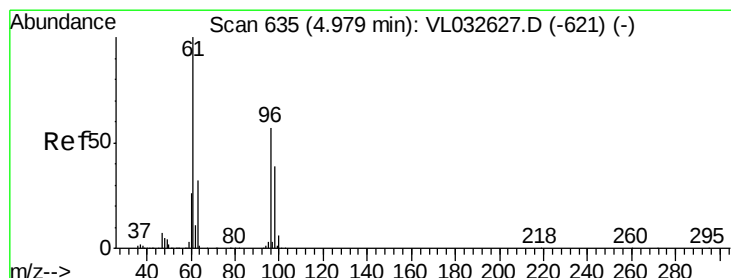
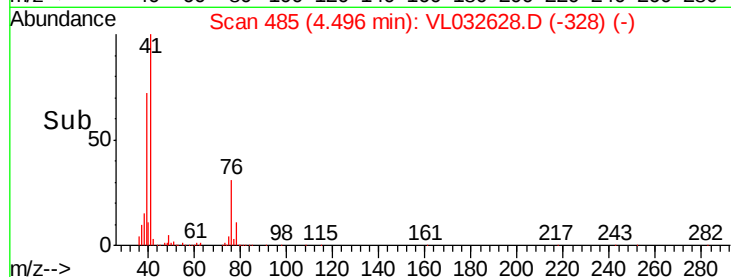
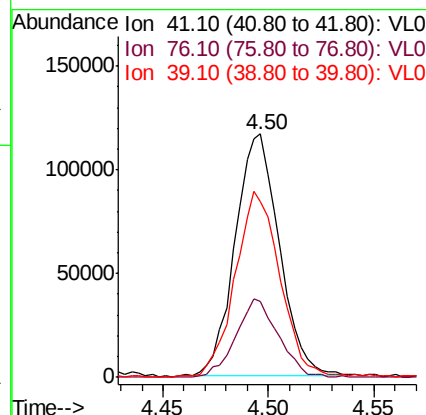
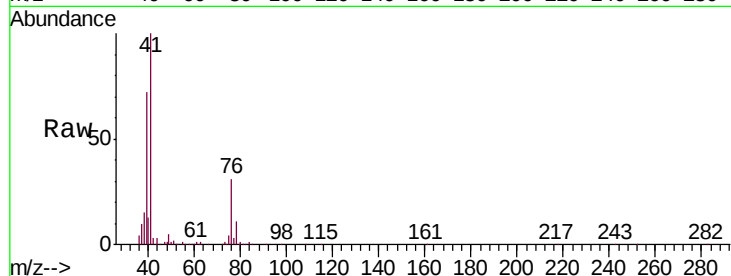




#21
 Allyl Chloride
 Concen: 1.943 ppbv
 RT: 4.50 min Scan# 485
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

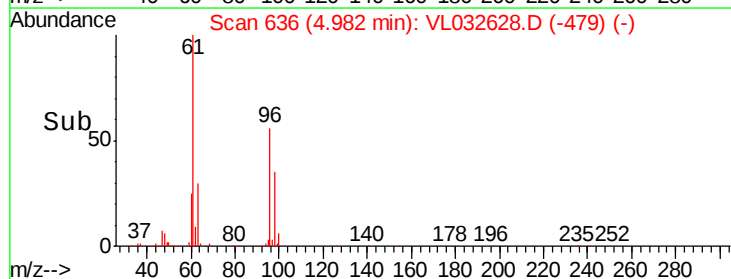
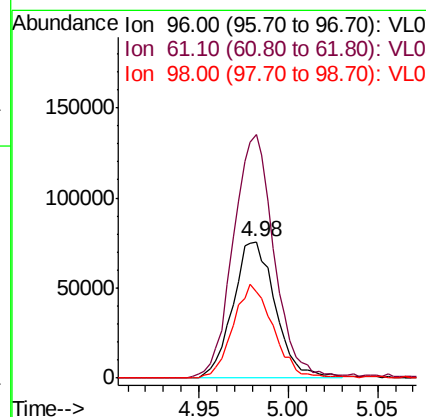
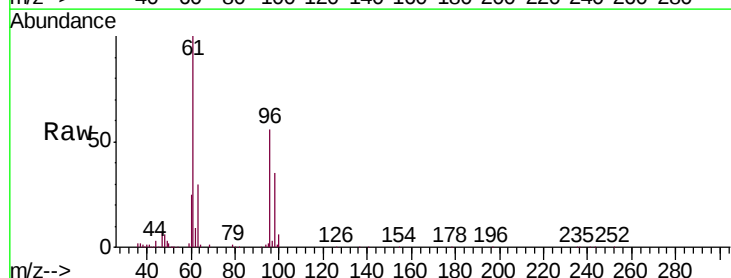
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

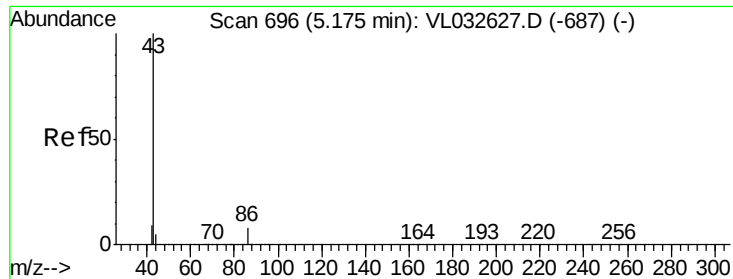
Tgt Ion: 41 Resp: 169152
 Ion Ratio Lower Upper
 41 100
 76 31.4 24.3 36.5
 39 78.8 60.3 90.5



#22
 trans-1,2-Dichloroethene
 Concen: 2.024 ppbv
 RT: 4.98 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 96 Resp: 125237
 Ion Ratio Lower Upper
 96 100
 61 177.9 140.4 210.6
 98 62.9 55.0 82.6





#23

Vinyl Acetate

Concen: 2.179 ppbv

RT: 5.17 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 392786

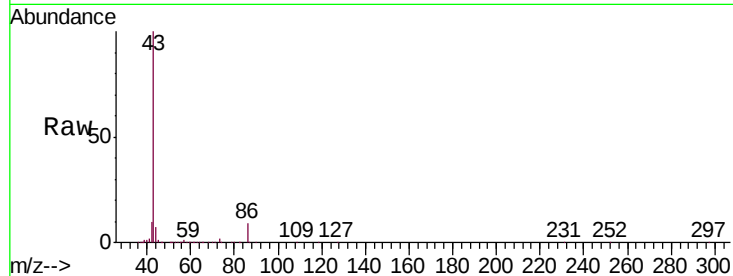
Ion Ratio Lower Upper

43 100

86 8.8 6.1 9.1

42 10.0 7.4 11.2

44 6.0 4.2 6.2

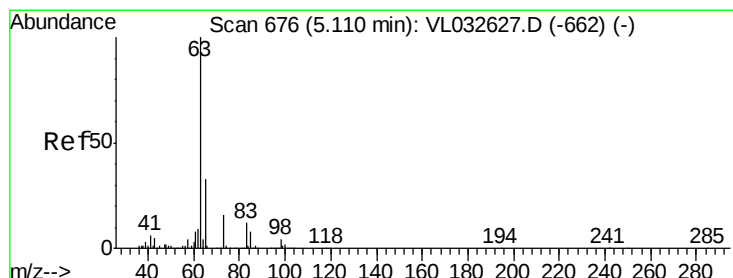
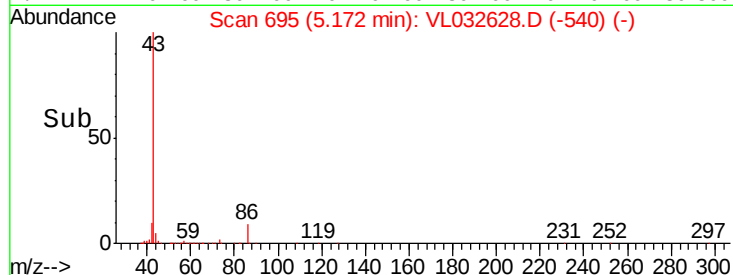
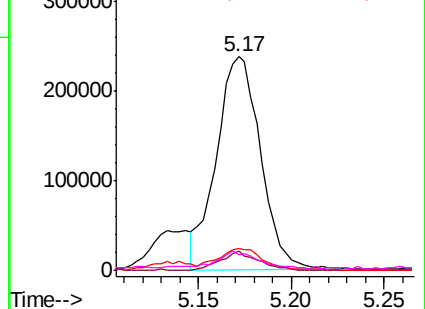


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 2.204 ppbv

RT: 5.11 min Scan# 675

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

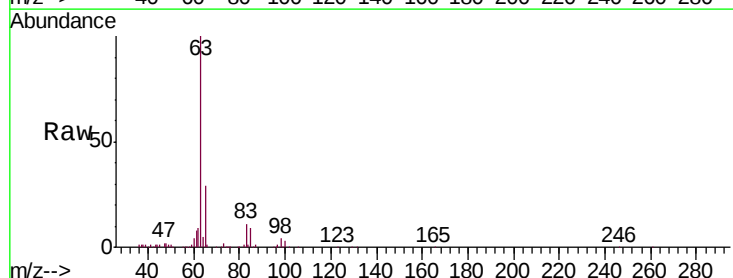
Tgt Ion: 63 Resp: 351103

Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.3

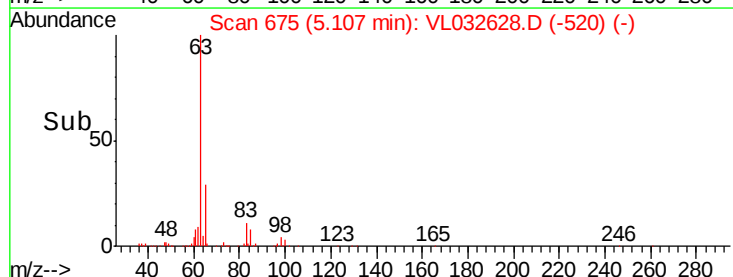
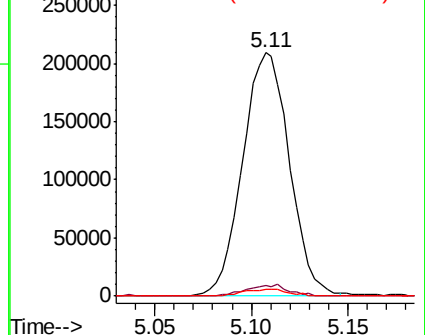
100 3.0 1.2 3.6

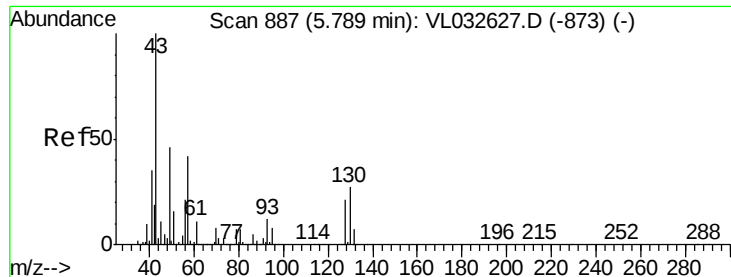


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

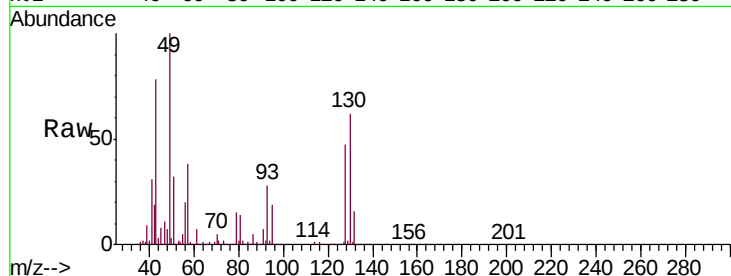




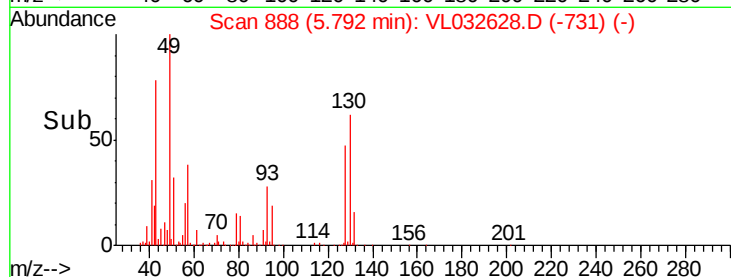
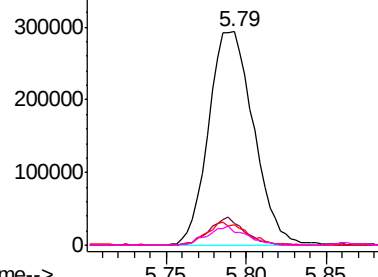
#25
Ethyl Acetate
Concen: 2.118 ppbv
RT: 5.79 min Scan# 888
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

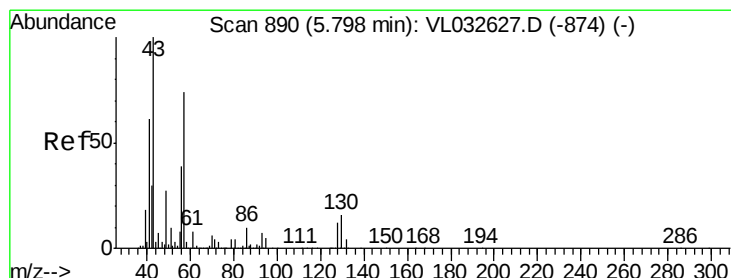
Tgt Ion:	43	Resp:	563193
Ion	Ratio	Lower	Upper
43	100		
45	10.6	8.0	12.0
61	9.2	8.0	12.0
70	7.5	5.9	8.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

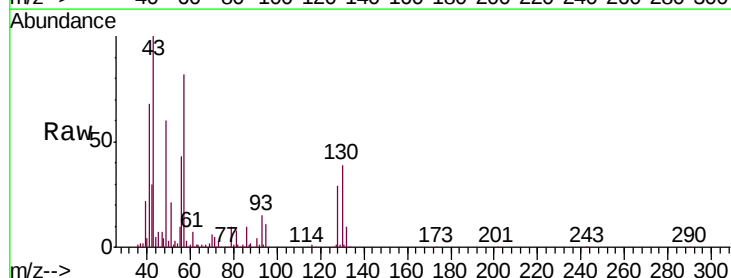


Time-->

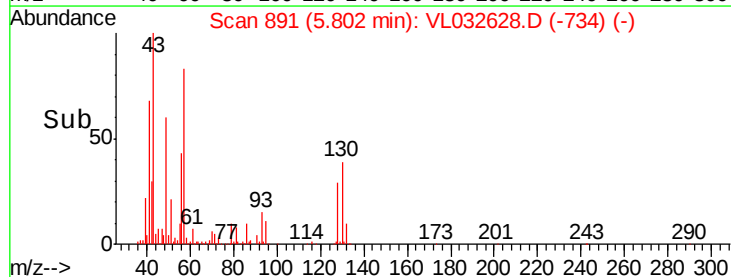
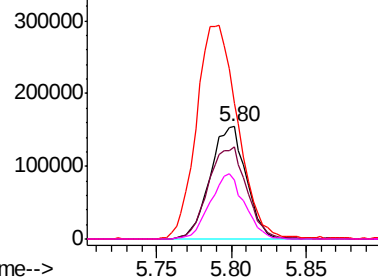


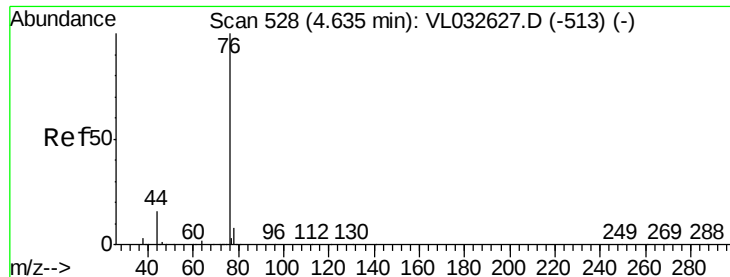
#26
Hexane
Concen: 2.144 ppbv
RT: 5.80 min Scan# 891
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion:	57	Resp:	260414
Ion	Ratio	Lower	Upper
57	100		
41	86.8	67.4	101.0
43	219.7	171.9	257.9
56	55.0	42.6	63.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

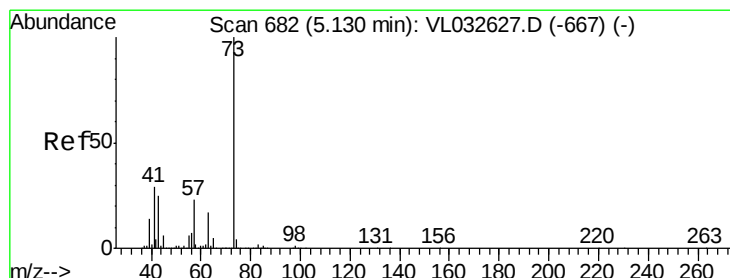
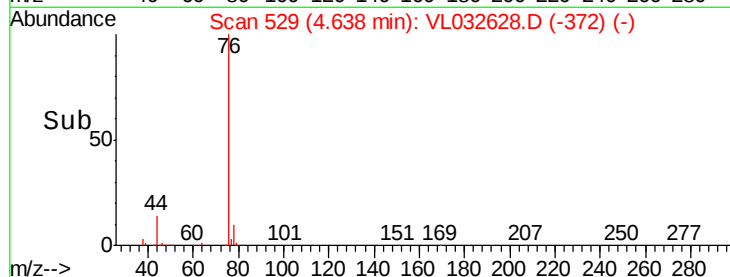
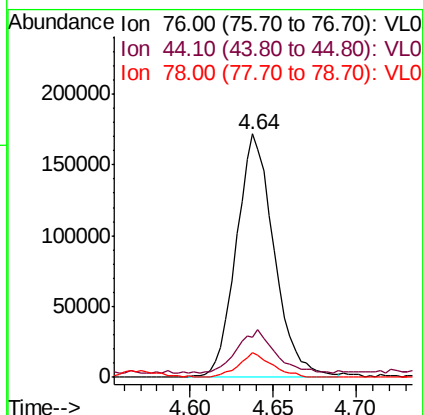
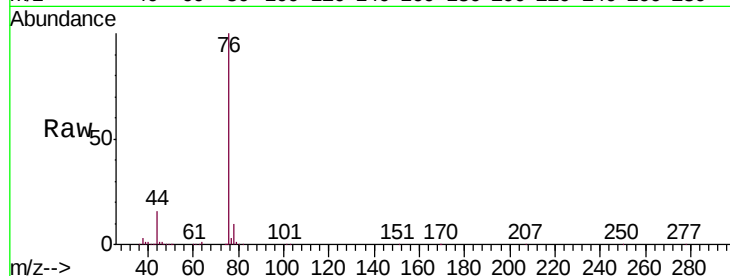




#27
Carbon Disulfide
Concen: 1.871 ppbv
RT: 4.64 min Scan# 529
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

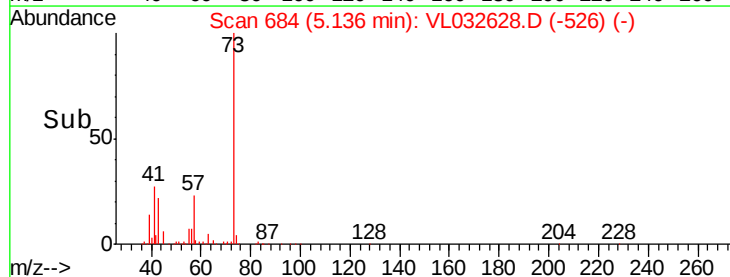
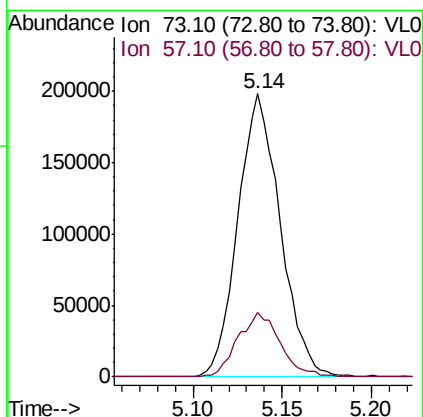
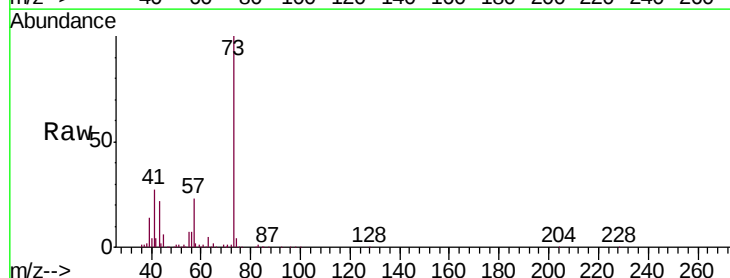
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

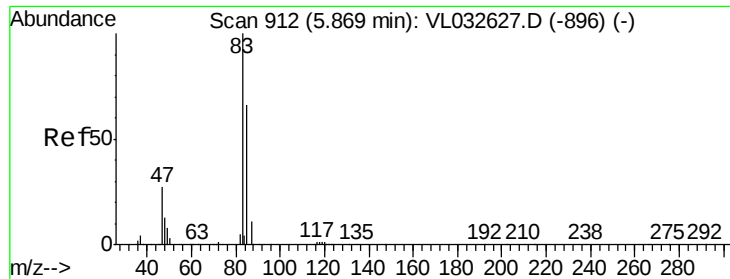
Tgt Ion	Ratio	Lower	Upper
76	100		
44	19.5	13.7	20.5
78	9.2	7.4	11.2



#28
Methyl tert-Butyl Ether
Concen: 2.280 ppbv
RT: 5.14 min Scan# 684
Delta R.T. 0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0





#29

Chloroform

Concen: 2.046 ppbv

RT: 5.86 min Scan# 910

Delta R.T. -0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

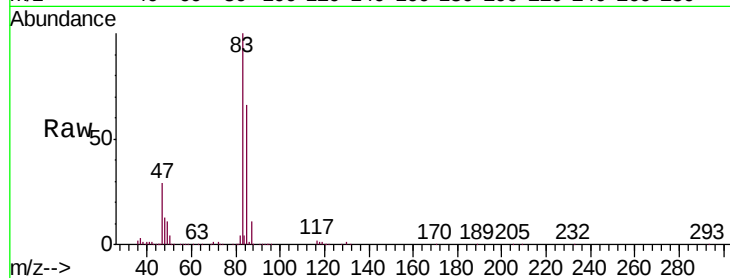
VSTDIC002

Tgt Ion: 83 Resp: 424925

Ion Ratio Lower Upper

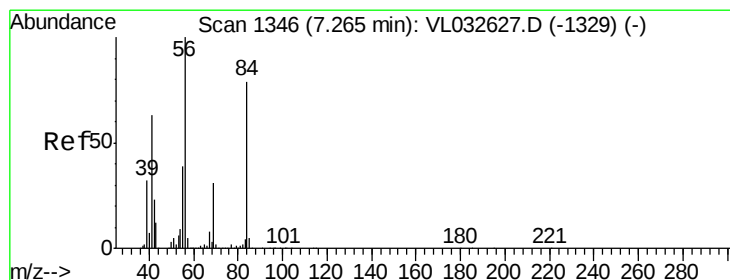
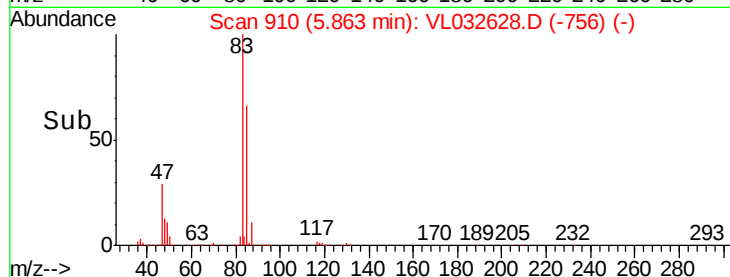
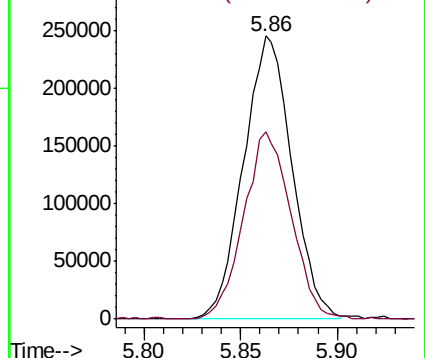
83 100

85 66.3 53.0 79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 2.041 ppbv

RT: 7.27 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

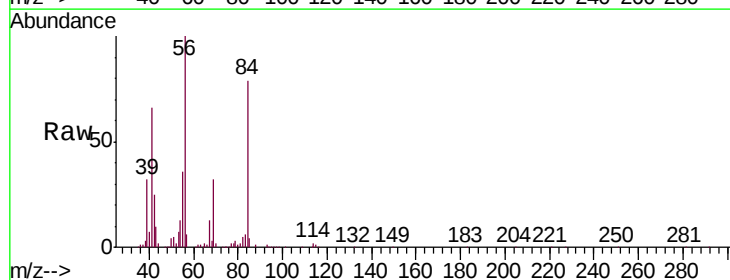
Tgt Ion: 84 Resp: 194794

Ion Ratio Lower Upper

84 100

56 162.2 108.3 162.5

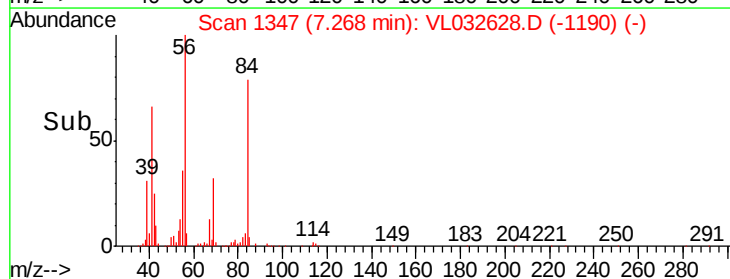
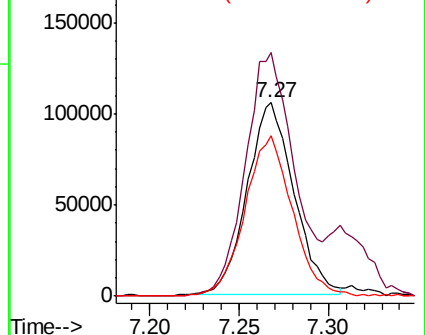
41 84.7 64.8 97.2

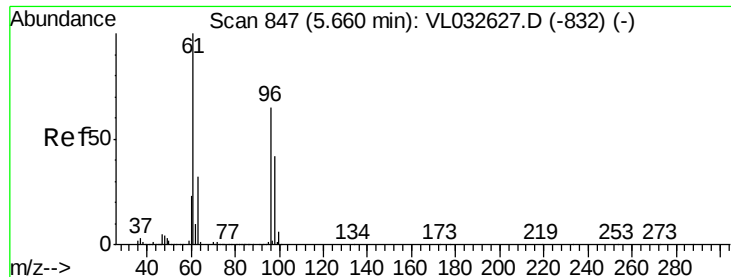


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 2.115 ppbv

RT: 5.66 min Scan# 846

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

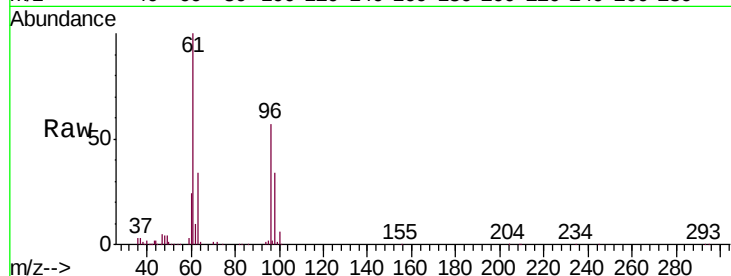
Tgt Ion: 61 Resp: 243793

Ion Ratio Lower Upper

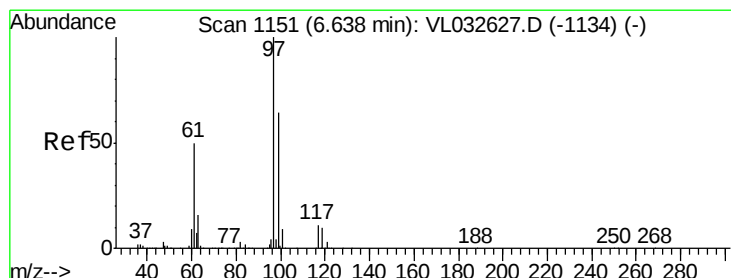
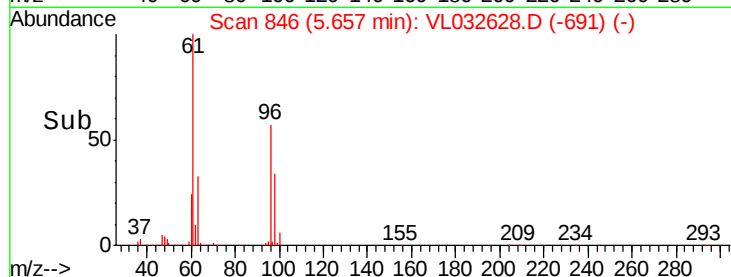
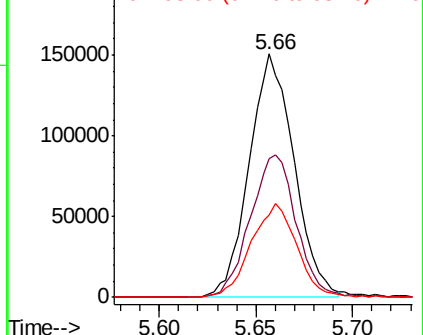
61 100

96 56.6 51.8 77.6

98 33.4 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: 2.080 ppbv

RT: 6.64 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

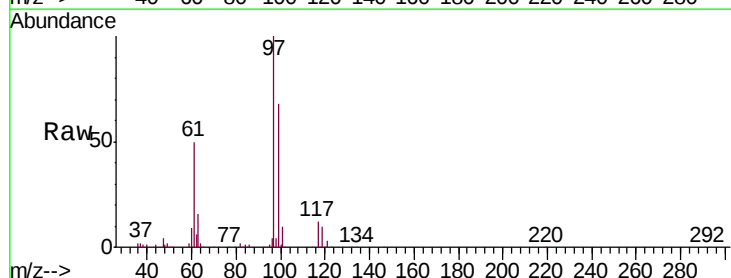
Tgt Ion: 97 Resp: 417541

Ion Ratio Lower Upper

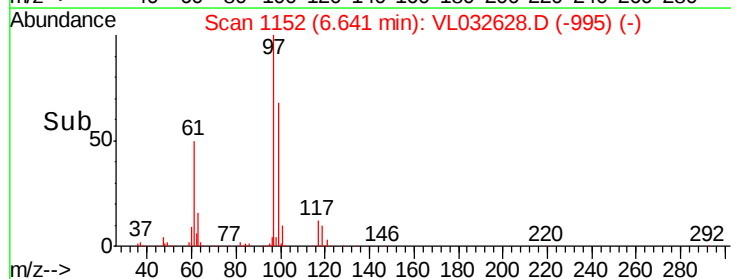
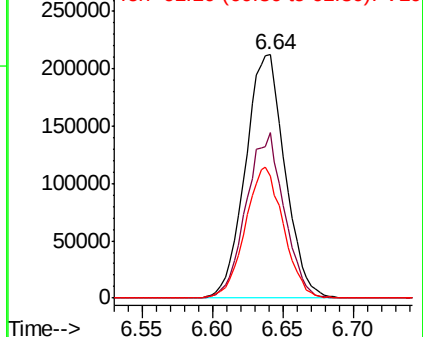
97 100

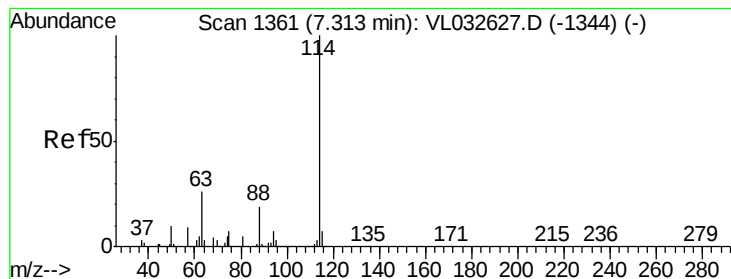
99 65.0 52.0 78.0

61 51.8 40.7 61.1



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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1360

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

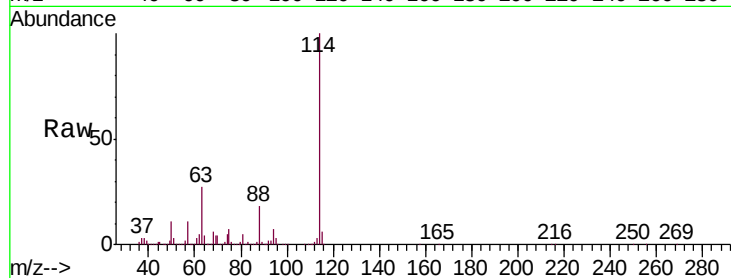
Tgt Ion:114 Resp: 2899712

Ion Ratio Lower Upper

114 100

63 26.7 21.7 32.5

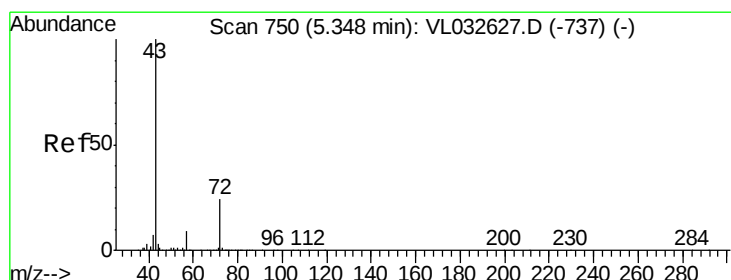
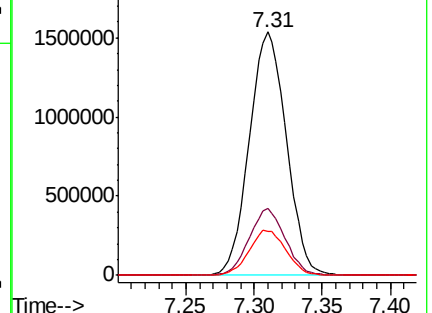
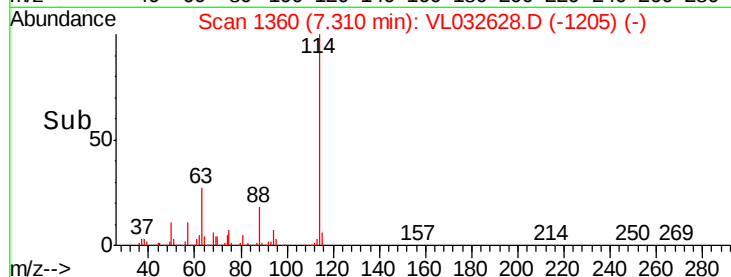
88 18.4 14.9 22.3



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: 2.158 ppbv

RT: 5.35 min Scan# 750

Delta R.T. 0.00 min

Lab File: VL032628.D

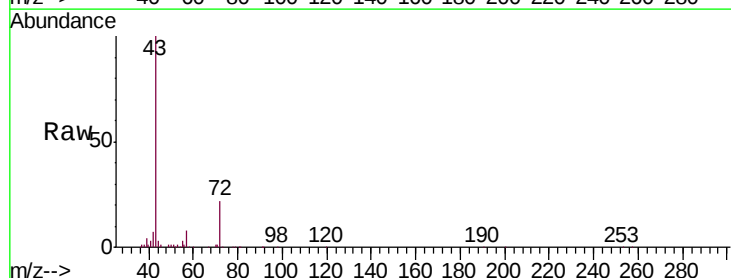
Acq: 17 Oct 2018 3:26

Tgt Ion: 43 Resp: 322710

Ion Ratio Lower Upper

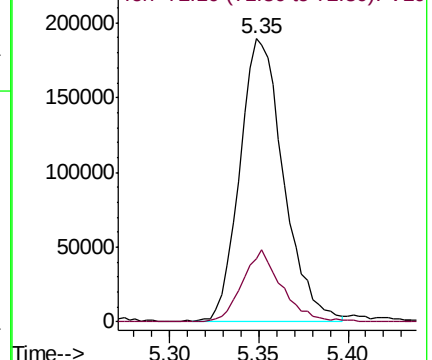
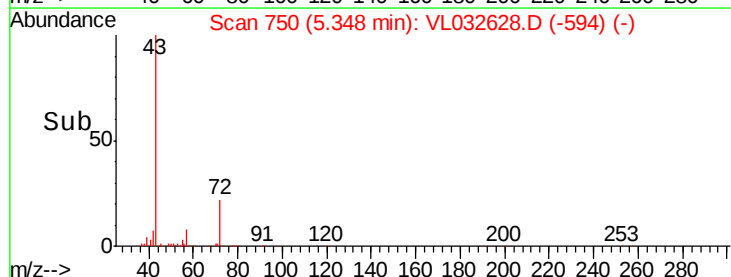
43 100

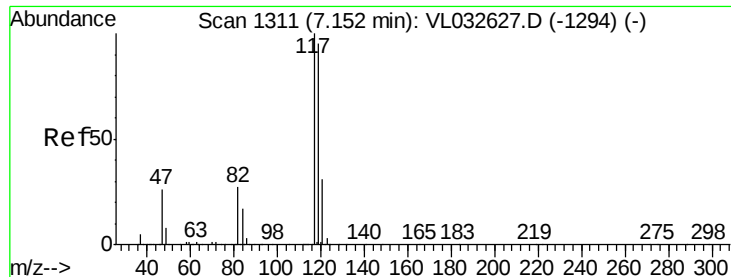
72 23.3 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

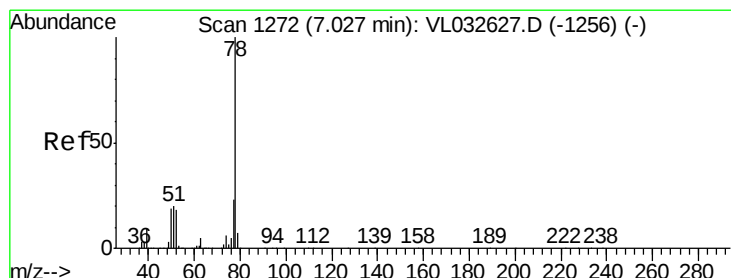
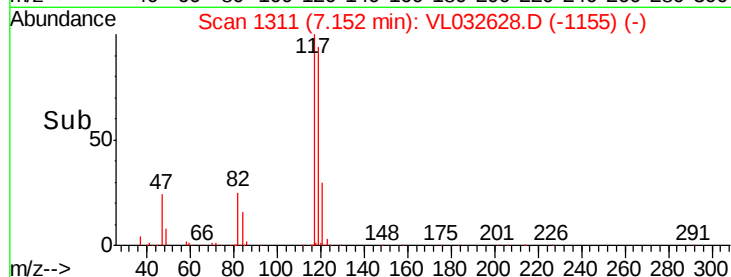
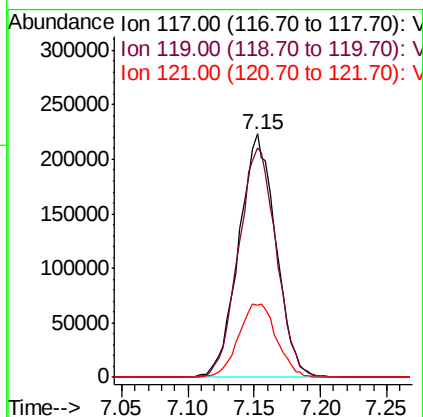
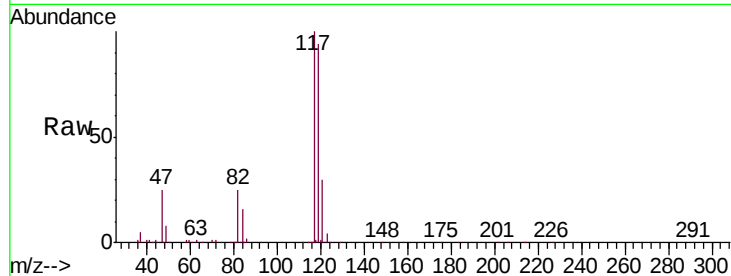




#35
Carbon Tetrachloride
Concen: 2.073 ppbv
RT: 7.15 min Scan# 1311
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

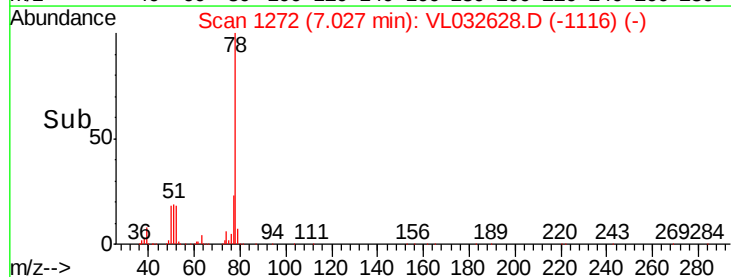
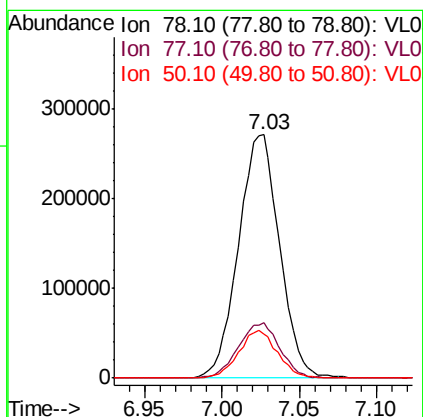
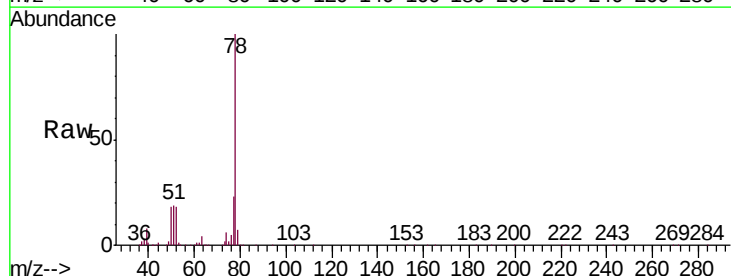
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

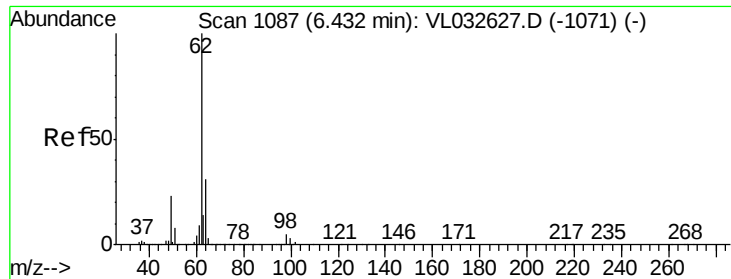
Tgt Ion: 117 Resp: 431862
Ion Ratio Lower Upper
117 100
119 93.9 75.7 113.5
121 29.8 24.7 37.1



#36
Benzene
Concen: 2.182 ppbv
RT: 7.03 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 78 Resp: 500592
Ion Ratio Lower Upper
78 100
77 22.4 18.1 27.1
50 17.7 15.1 22.7

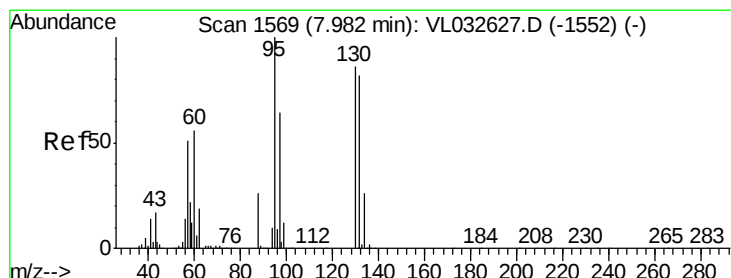
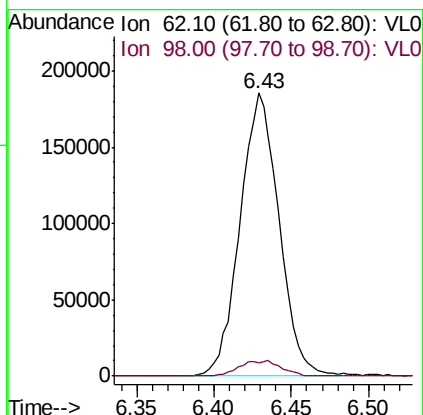
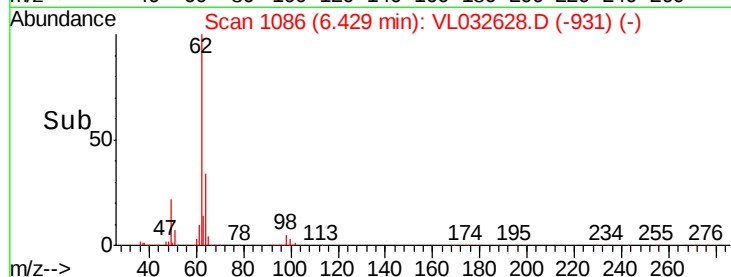
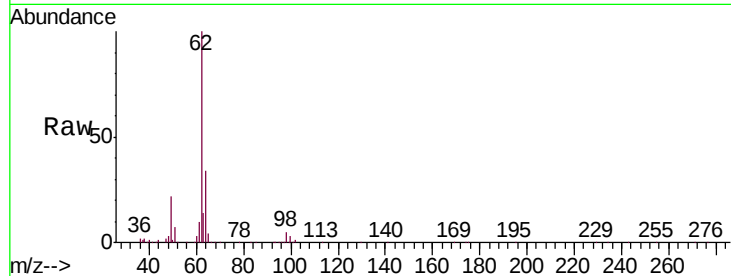




#37
 1,2-Dichloroethane
 Concen: 2.125 ppbv
 RT: 6.43 min Scan# 1086
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

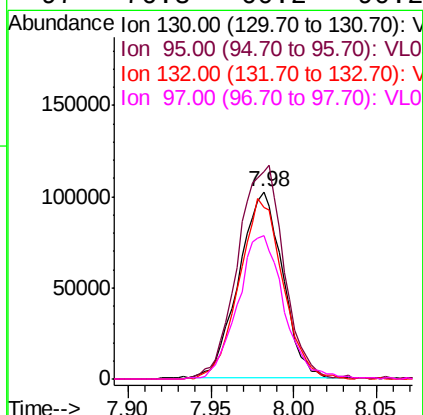
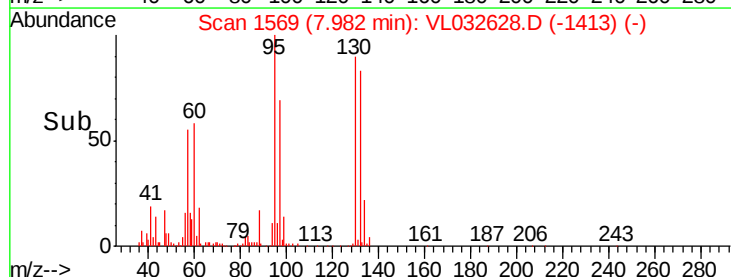
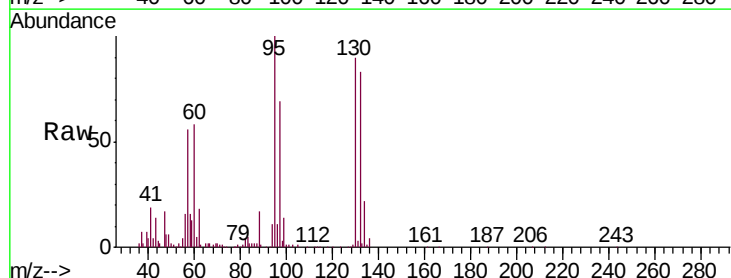
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

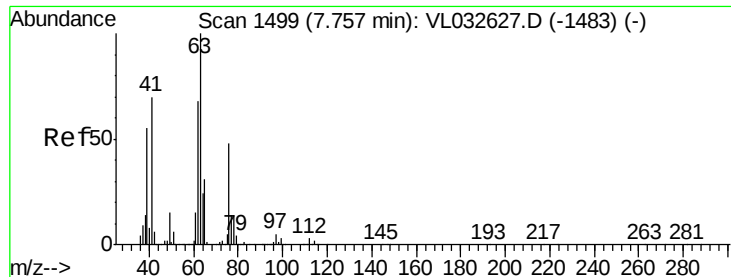
Tgt Ion: 62 Resp: 324654
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.4 6.6



#38
 Trichloroethene
 Concen: 2.226 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 130 Resp: 187997
 Ion Ratio Lower Upper
 130 100
 95 111.0 93.4 140.0
 132 91.5 76.5 114.7
 97 76.8 60.2 90.2





#39

1,2-Dichloropropane

Concen: 2.111 ppbv

RT: 7.75 min Scan# 1497

Delta R.T. -0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

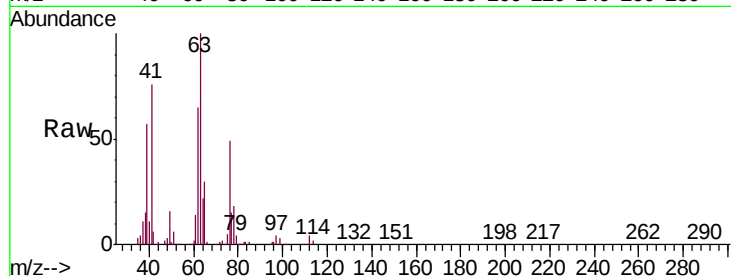
Tgt Ion: 63 Resp: 198129

Ion Ratio Lower Upper

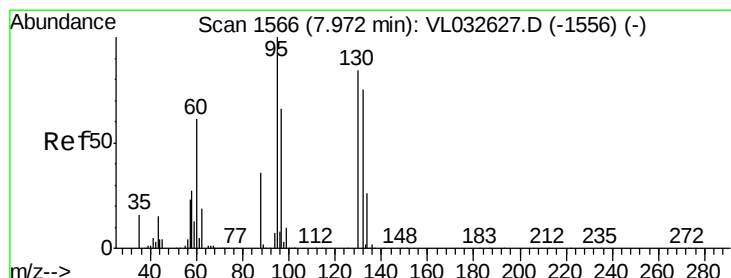
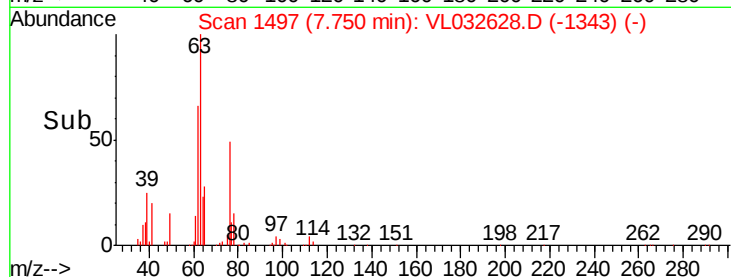
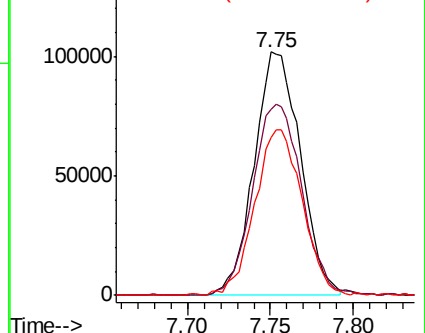
63 100

41 76.4 56.2 84.4

62 64.0 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



#40

1,4-Dioxane

Concen: 1.998 ppbv

RT: 7.99 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Tgt Ion: 88 Resp: 61794

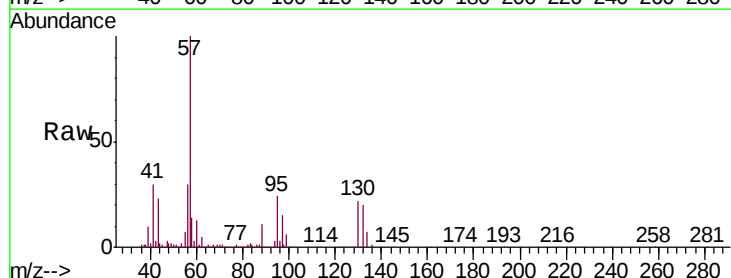
Ion Ratio Lower Upper

88 100

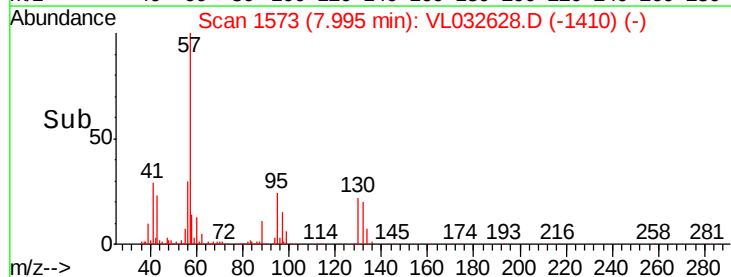
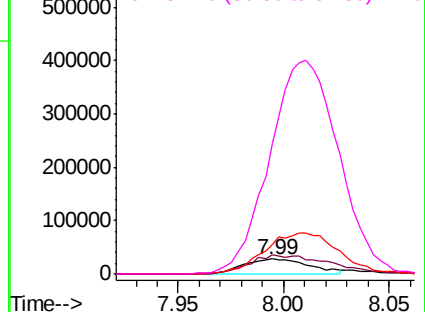
58 160.7 104.0 156.0#

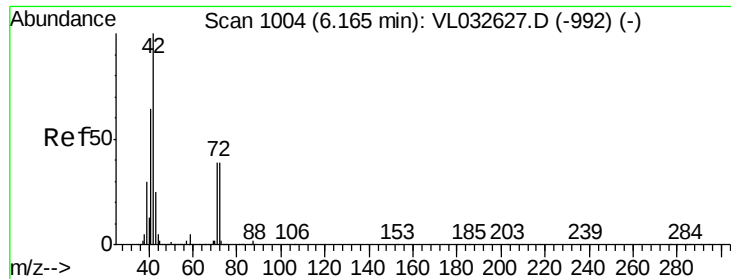
43 309.0 0.0 0.0#

57 1483.5 0.0 0.0#



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

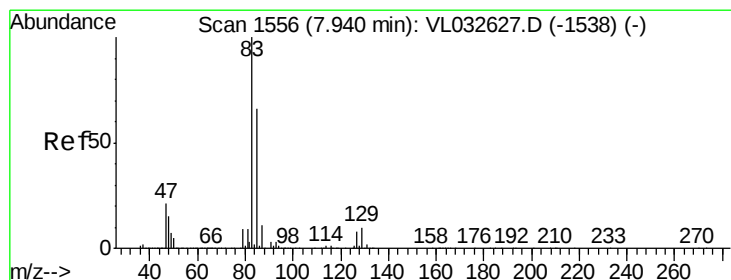
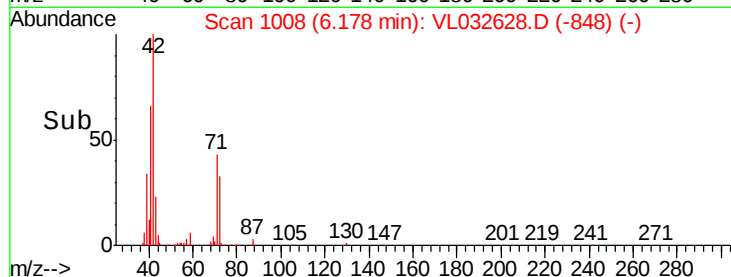
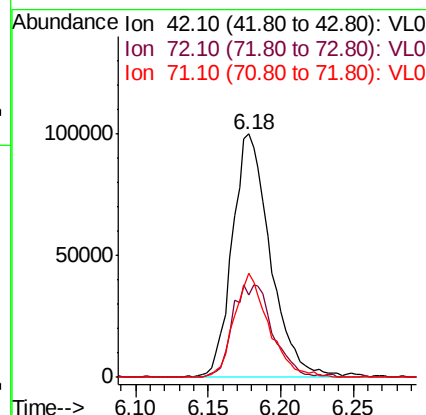
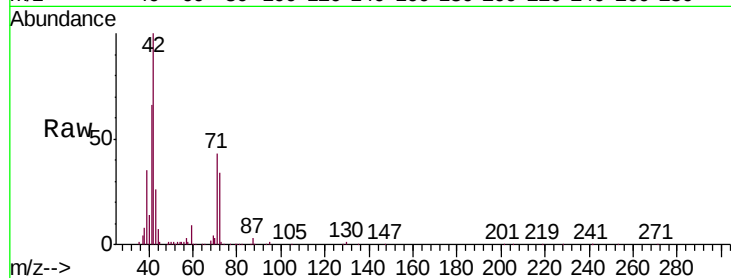




#41
Tetrahydrofuran
Concen: 2.156 ppbv
RT: 6.18 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

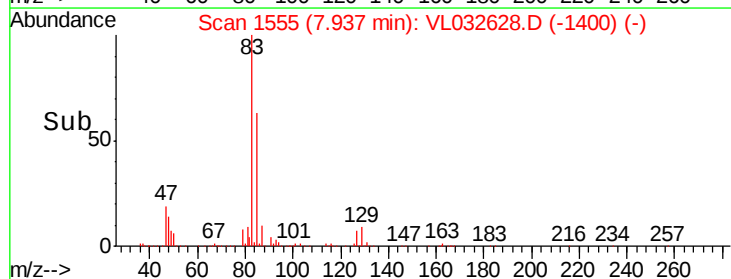
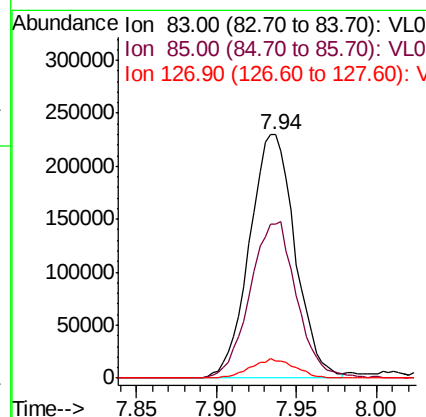
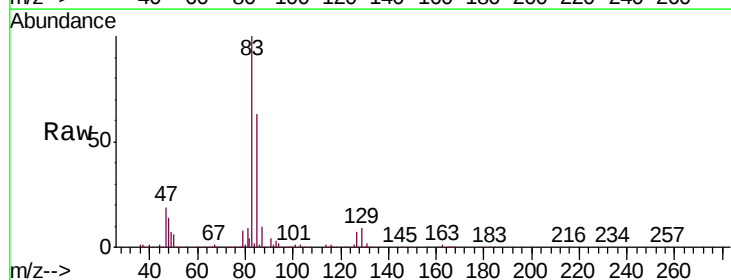
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

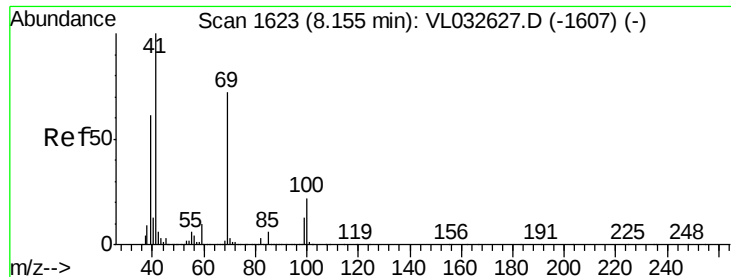
Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.4	48.6
71	39.3	31.3	46.9



#42
Bromodichloromethane
Concen: 2.097 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	52.4	78.6
127	7.1	6.1	9.1

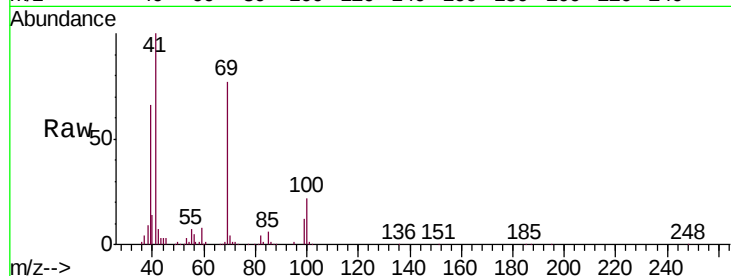




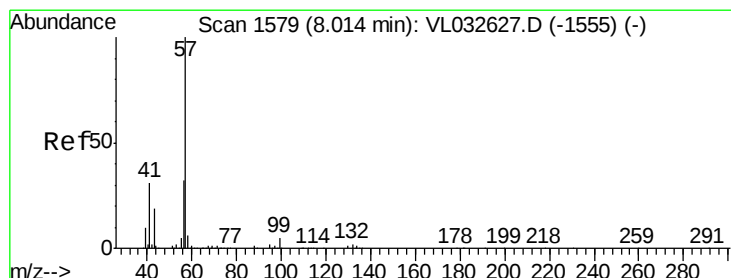
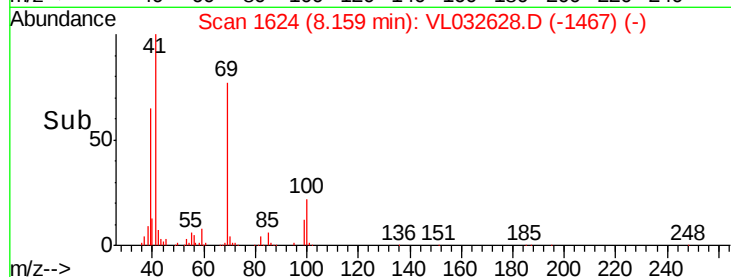
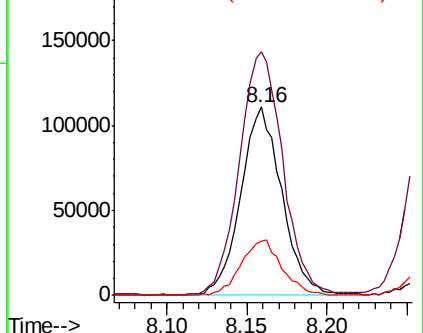
#43
Methyl Methacrylate
Concen: 2.176 ppbv
RT: 8.16 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 69 Resp: 193914
Ion Ratio Lower Upper
69 100
41 138.2 113.2 169.8
100 29.5 24.4 36.6

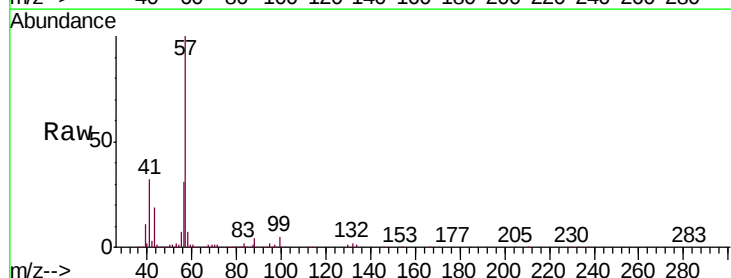


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

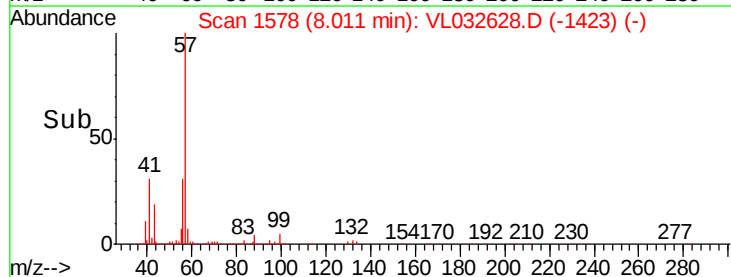
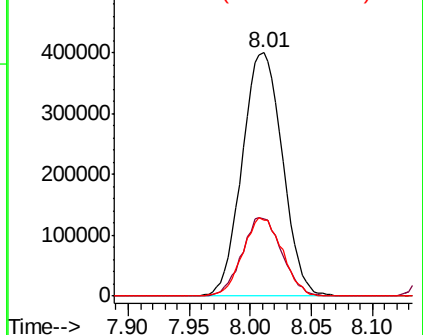


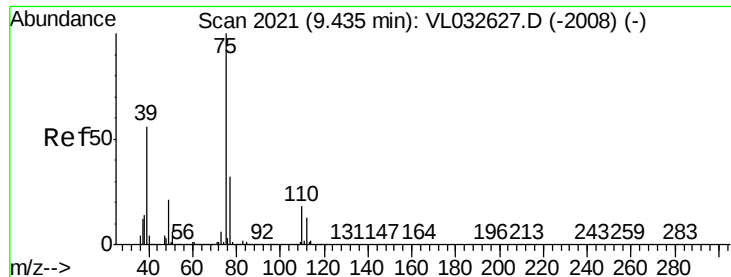
#44
2,2,4-Trimethylpentane
Concen: 2.240 ppbv
RT: 8.01 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 57 Resp: 914955
Ion Ratio Lower Upper
57 100
41 31.8 24.7 37.1
56 31.5 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: 2.104 ppbv

RT: 9.44 min Scan# 2022

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

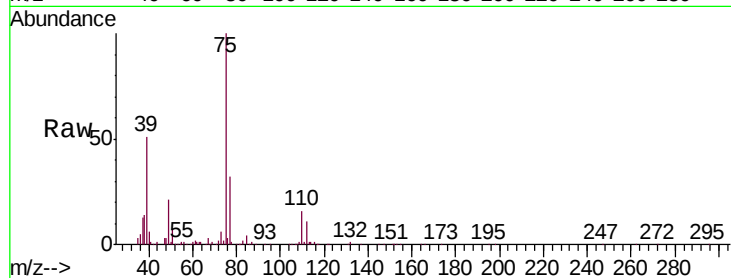
VSTDIC002

Tgt Ion: 75 Resp: 236201

Ion Ratio Lower Upper

75 100

77 31.5 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

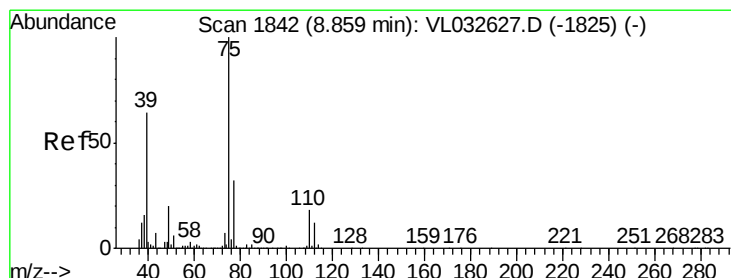
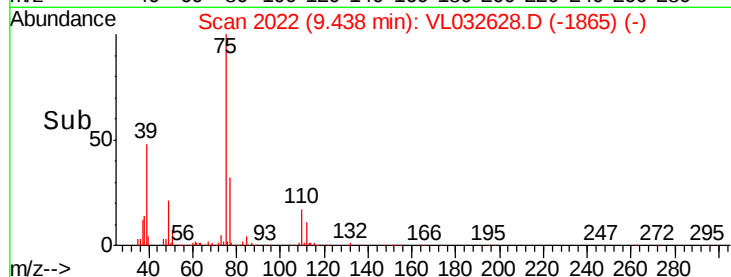
9.44

100000

50000

0

Time--> 9.35 9.40 9.45 9.50



#46

cis-1,3-Dichloropropene

Concen: 2.168 ppbv

RT: 8.85 min Scan# 1840

Delta R.T. -0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

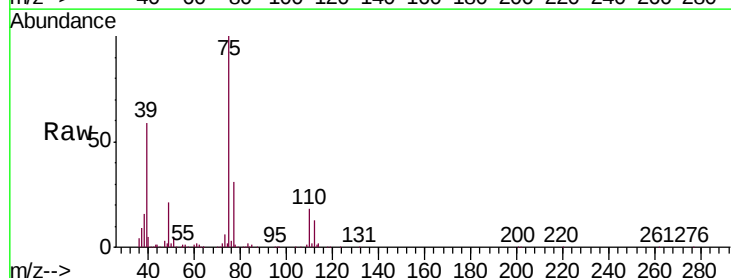
Tgt Ion: 75 Resp: 277195

Ion Ratio Lower Upper

75 100

39 58.8 50.9 76.3

77 31.0 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

200000

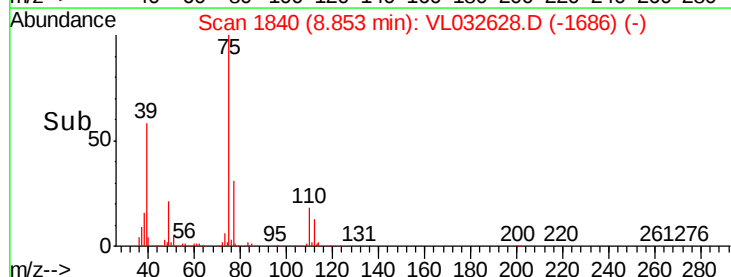
150000

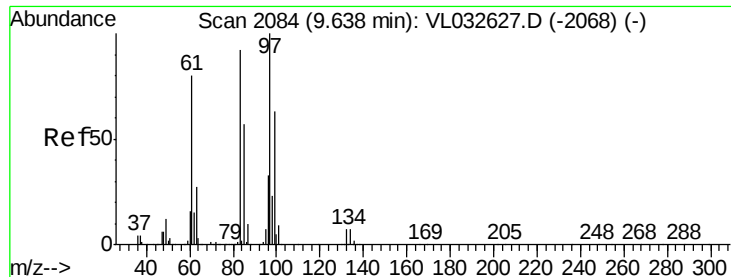
100000

50000

0

Time--> 8.75 8.80 8.85 8.90 8.95





#47

1,1,2-Trichloroethane

Concen: 2.081 ppbv

RT: 9.63 min Scan# 2083

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 231662

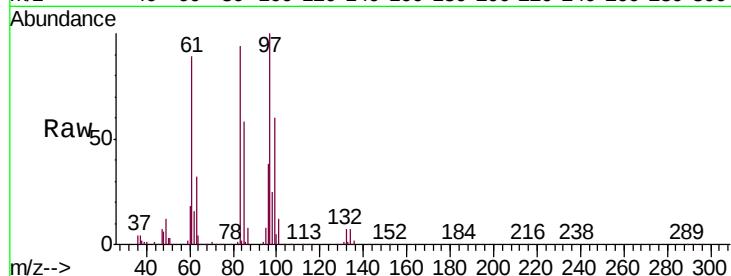
Ion Ratio Lower Upper

97 100

83 93.5 73.5 110.3

85 58.1 45.8 68.6

99 59.8 50.6 75.8

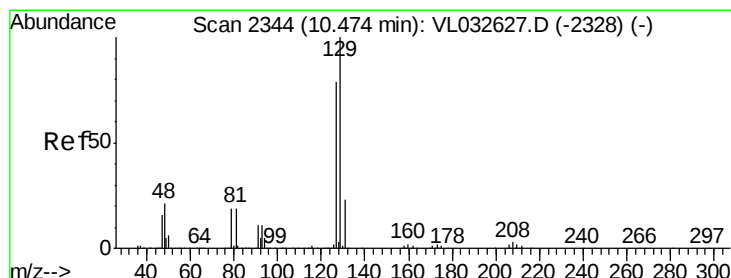
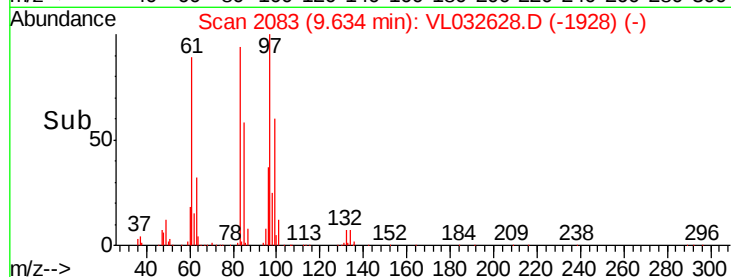
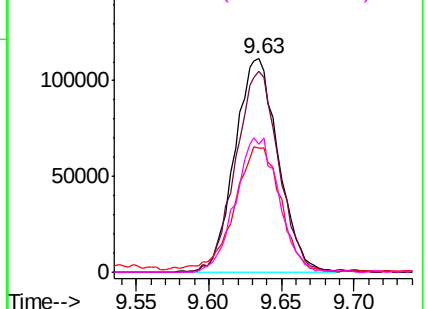


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 2.119 ppbv

RT: 10.47 min Scan# 2342

Delta R.T. -0.01 min

Lab File: VL032628.D

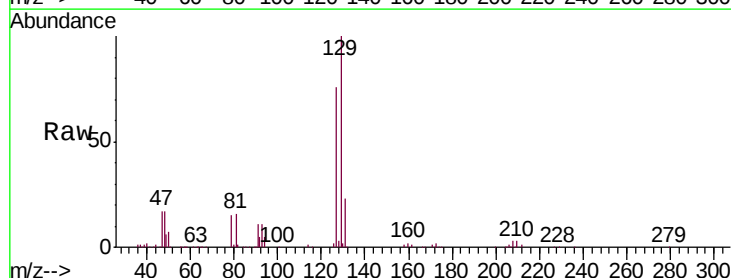
Acq: 17 Oct 2018 3:26

Tgt Ion: 129 Resp: 392439

Ion Ratio Lower Upper

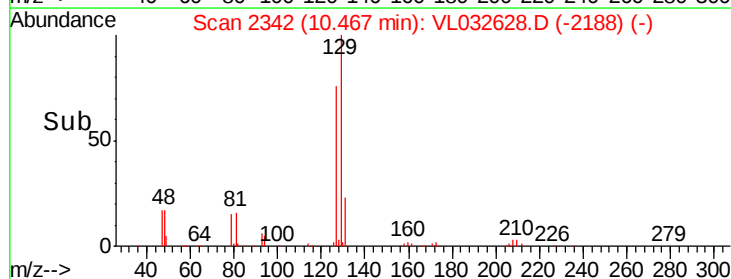
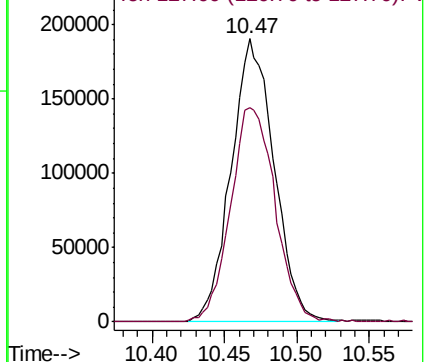
129 100

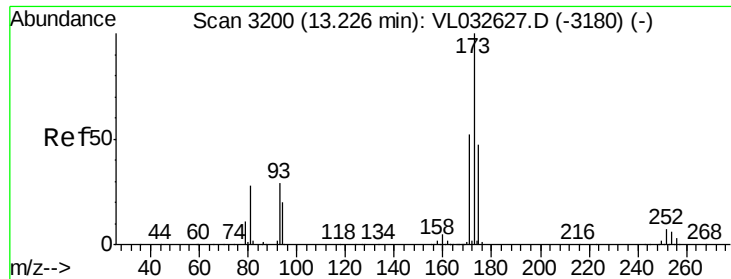
127 79.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.146 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

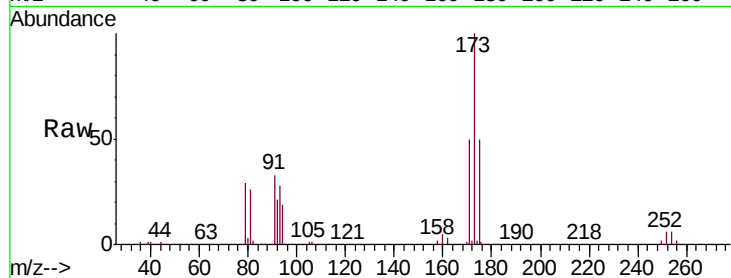
Tgt Ion: 173 Resp: 303276

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

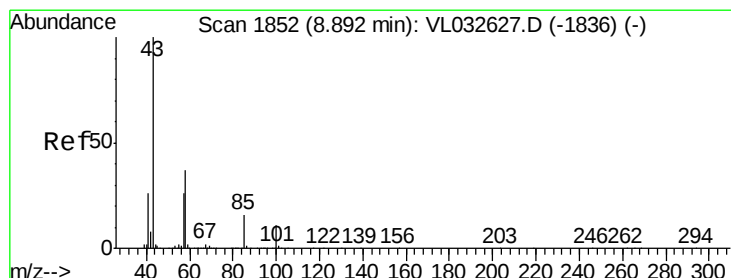
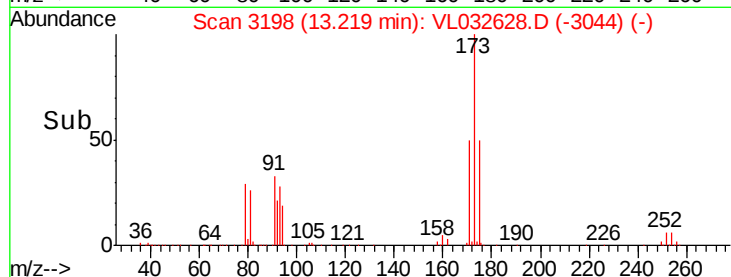
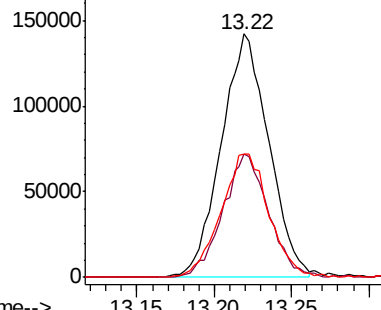
171 51.9 42.2 63.2



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: 2.262 ppbv

RT: 8.89 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL032628.D

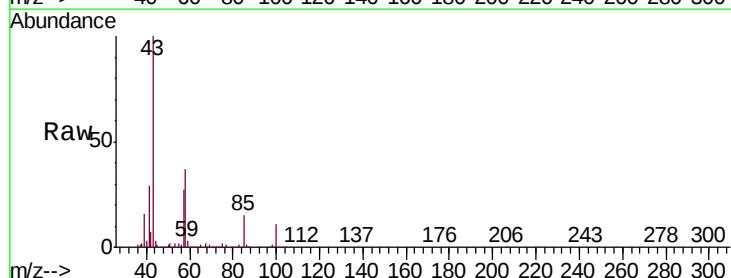
Acq: 17 Oct 2018 3:26

Tgt Ion: 43 Resp: 519522

Ion Ratio Lower Upper

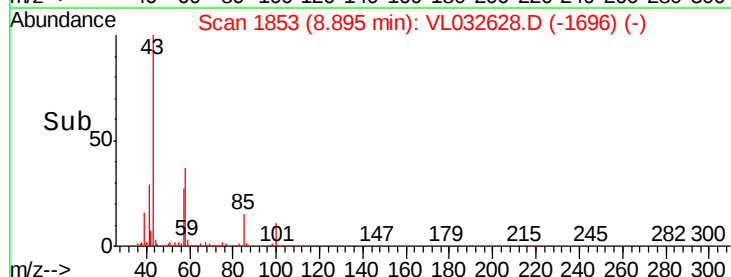
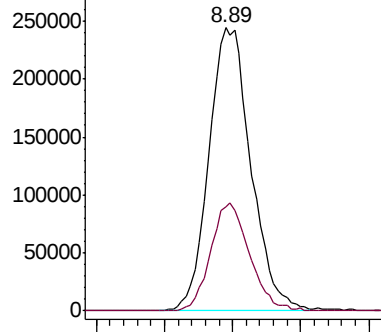
43 100

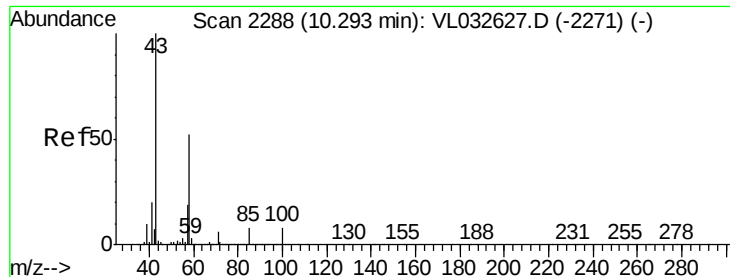
58 35.7 29.7 44.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

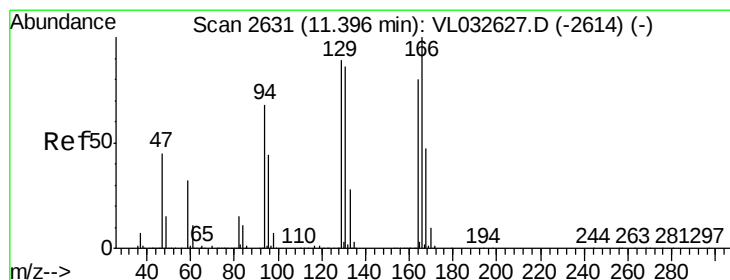
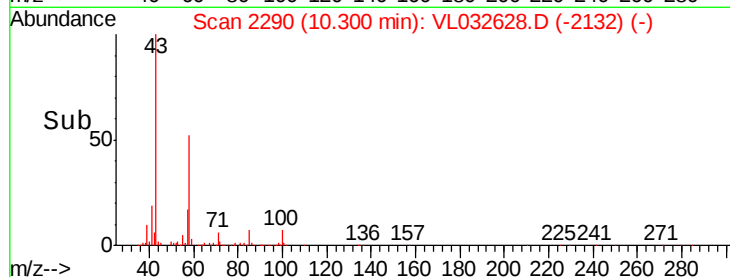
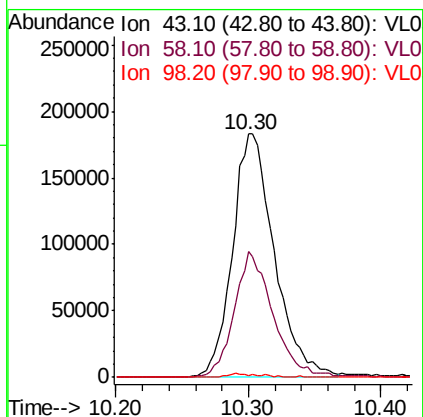
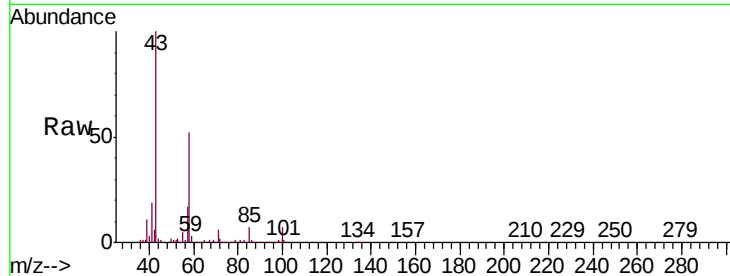




#51
2-Hexanone
Concen: 2.220 ppbv
RT: 10.30 min Scan# 2290
Delta R.T. 0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

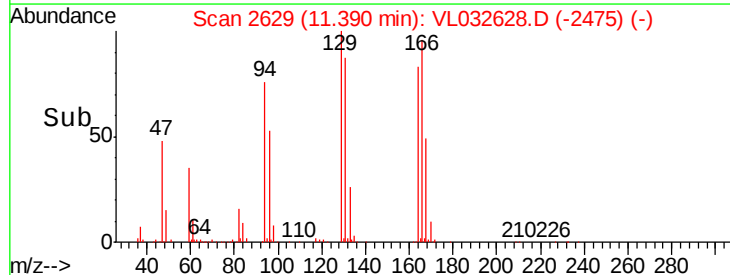
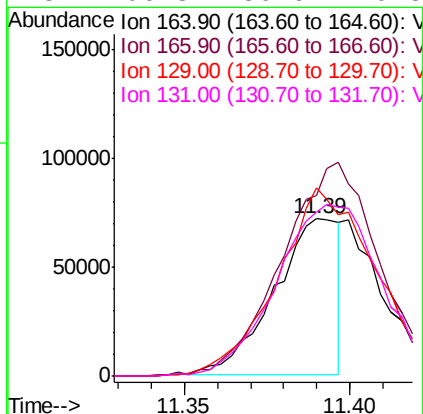
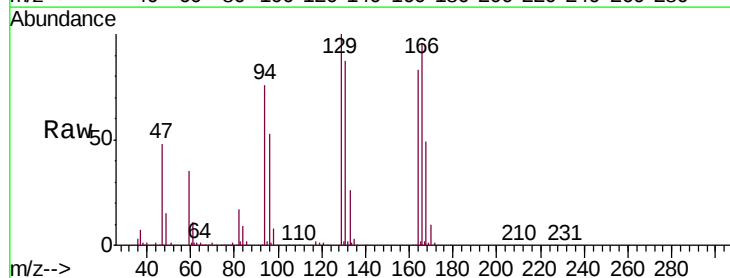
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

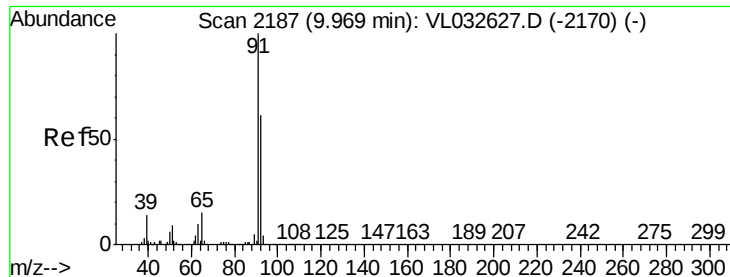
Tgt Ion: 43 Resp: 398813
Ion Ratio Lower Upper
43 100
58 48.4 40.4 60.6
98 1.1 0.4 0.6#



#52
Tetrachloroethene
Concen: 1.321 ppbv
RT: 11.39 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 164 Resp: 97568
Ion Ratio Lower Upper
164 100
166 115.0 100.5 150.7
129 119.7 90.0 135.0
131 106.3 86.6 129.8





#53

Toluene

Concen: 2.199 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

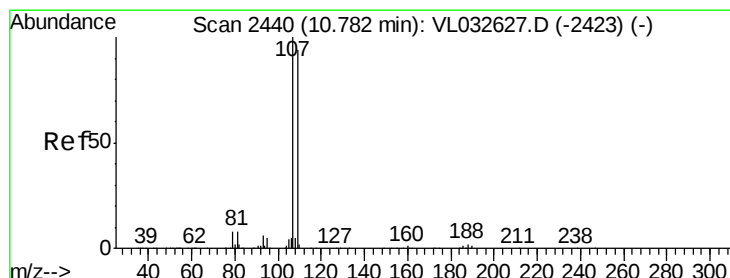
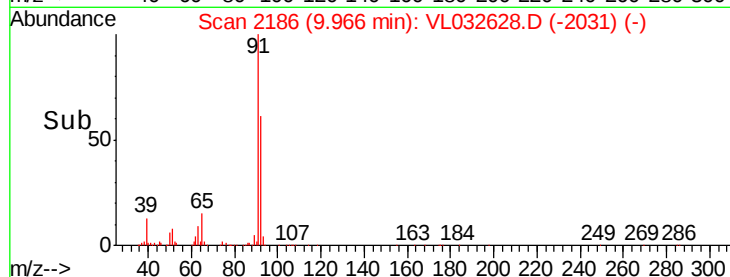
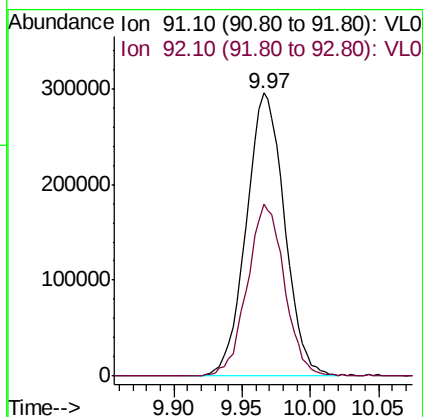
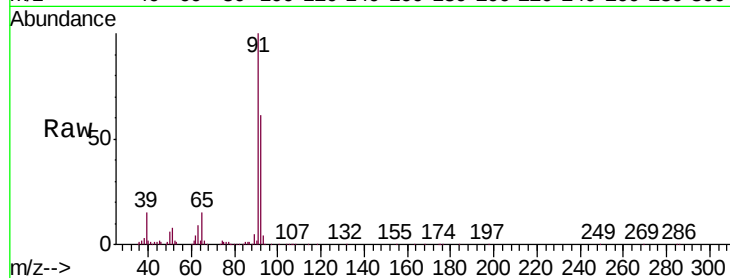
VSTDIC002

Tgt Ion: 91 Resp: 575550

Ion Ratio Lower Upper

91 100

92 59.1 48.4 72.6



#54

1,2-Dibromoethane

Concen: 2.128 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. -0.00 min

Lab File: VL032628.D

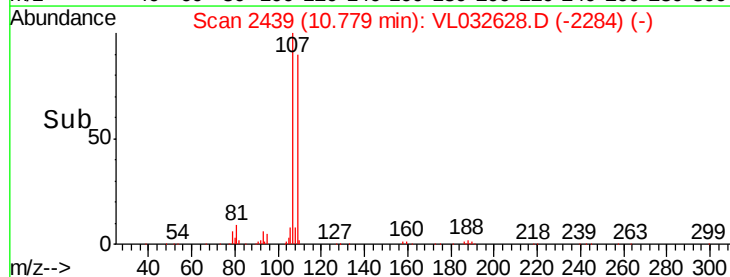
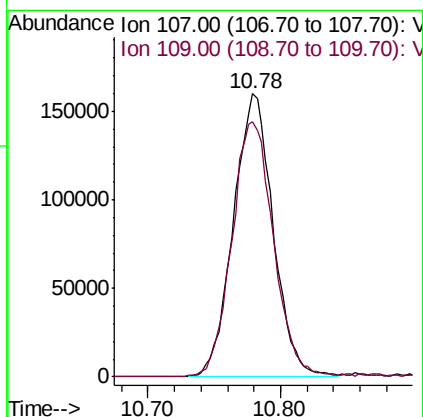
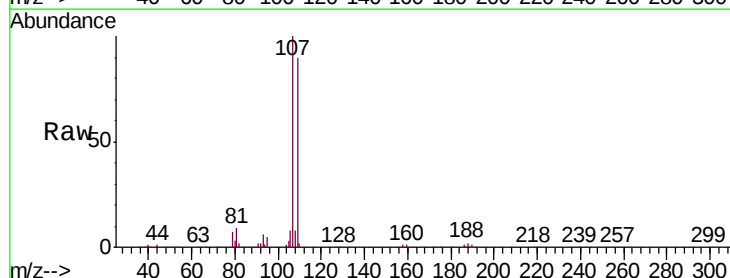
Acq: 17 Oct 2018 3:26

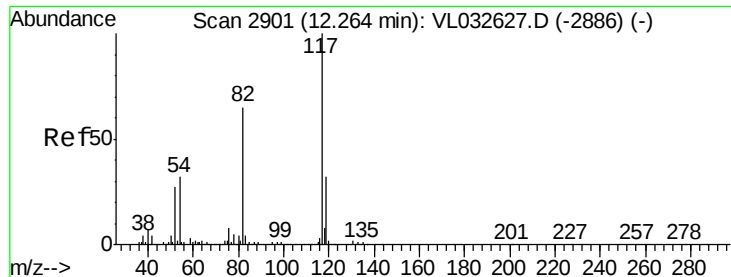
Tgt Ion: 107 Resp: 332005

Ion Ratio Lower Upper

107 100

109 89.6 75.3 112.9

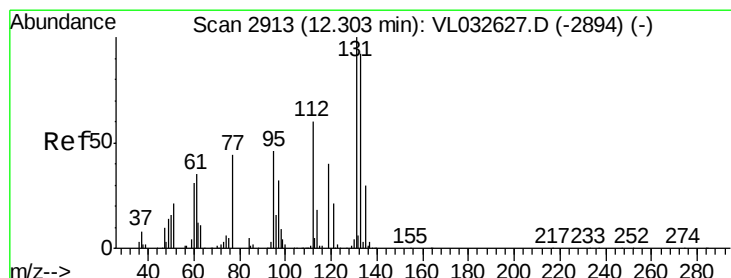
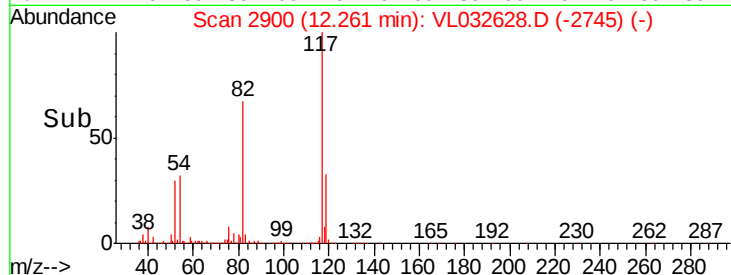
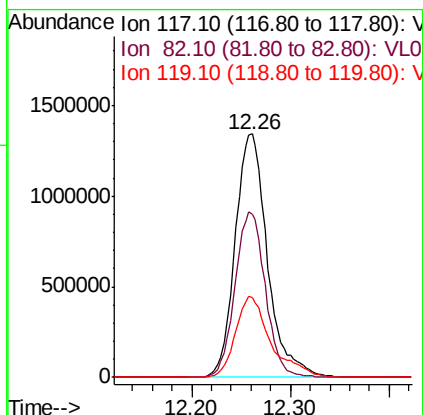
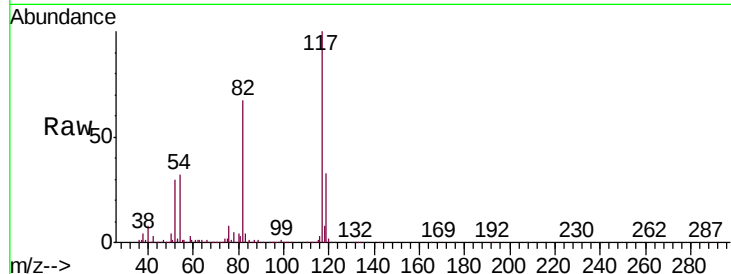




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

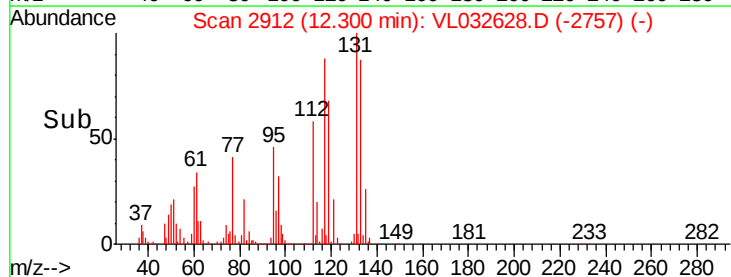
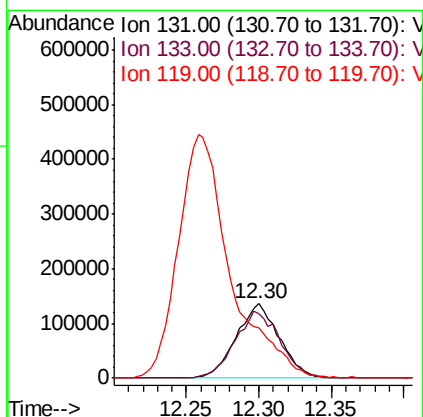
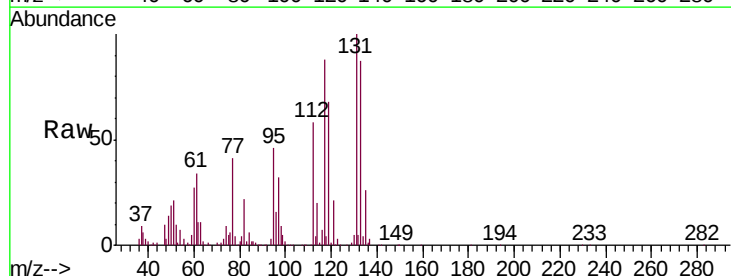
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

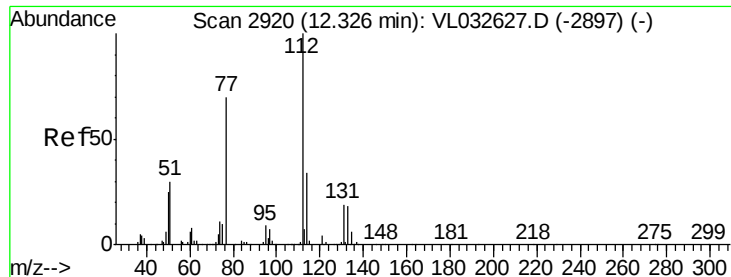
Tgt Ion:117 Resp: 3050428
Ion Ratio Lower Upper
117 100
82 64.4 52.7 79.1
119 36.4 26.7 40.1



#56
1,1,1,2-Tetrachloroethane
Concen: 2.038 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion:131 Resp: 281201
Ion Ratio Lower Upper
131 100
133 94.5 75.4 113.2
119 396.5 49.1 73.7#

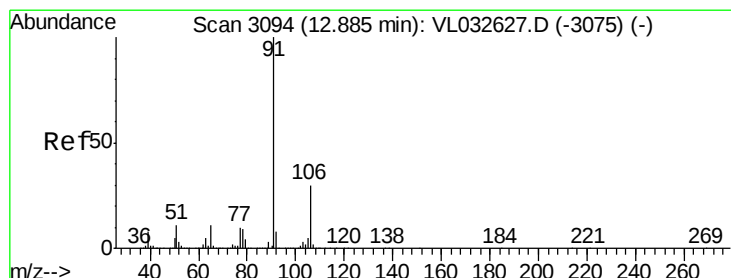
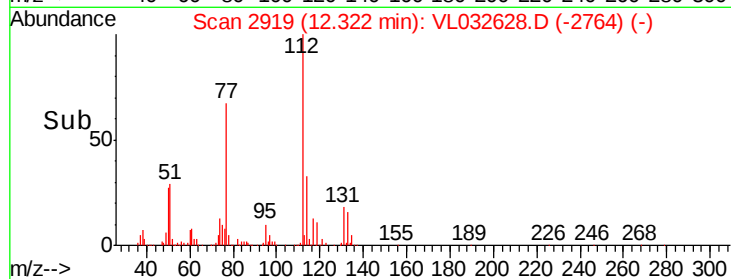
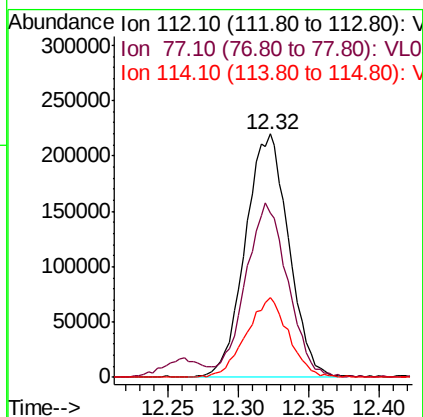
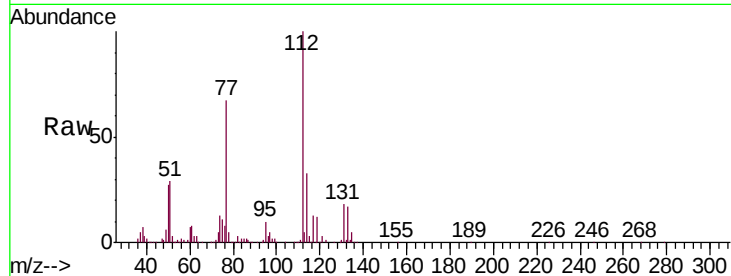




#57
Chlorobenzene
Concen: 2.038 ppbv
RT: 12.32 min Scan# 2919
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

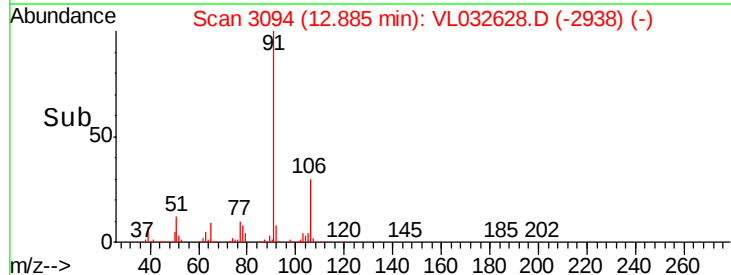
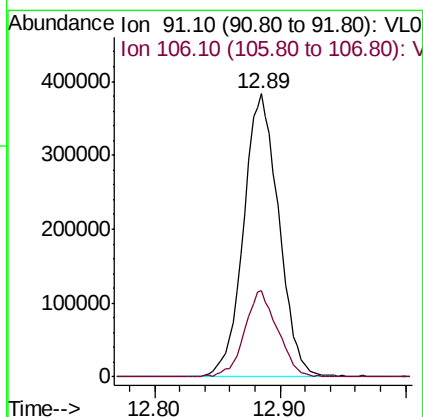
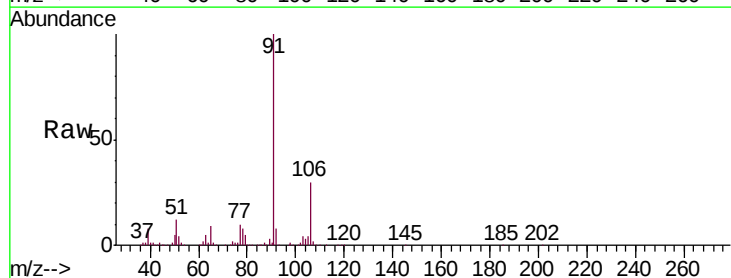
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

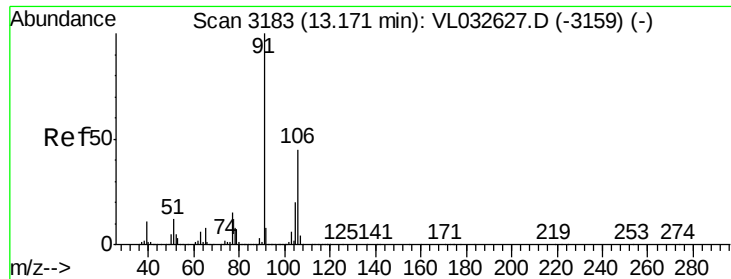
Tgt Ion: 112 Resp: 471112
Ion Ratio Lower Upper
112 100
77 66.5 56.8 85.2
114 32.3 30.3 37.1



#58
Ethyl Benzene
Concen: 2.216 ppbv
RT: 12.89 min Scan# 3094
Delta R.T. 0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 91 Resp: 743733
Ion Ratio Lower Upper
91 100
106 30.3 24.2 36.2

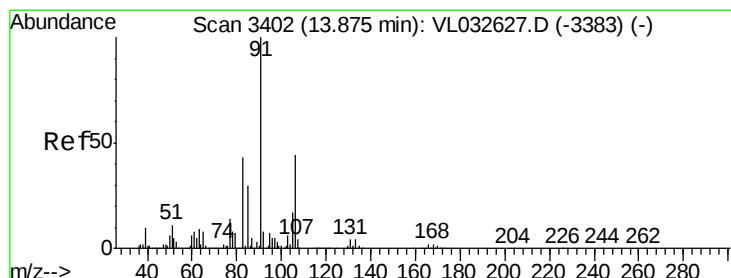
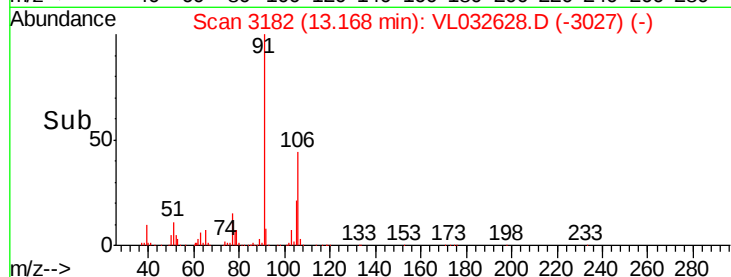
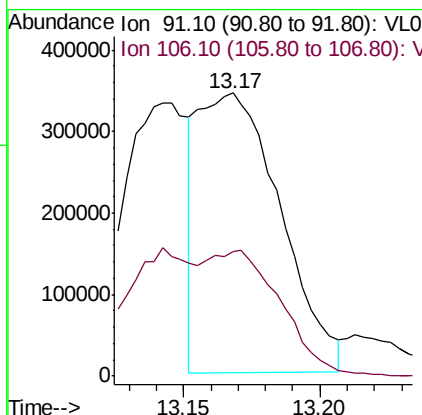
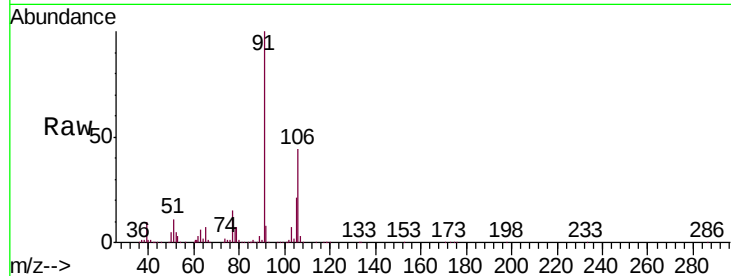




#59
m/p-Xylene
Concen: 2.342 ppbv
RT: 13.17 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

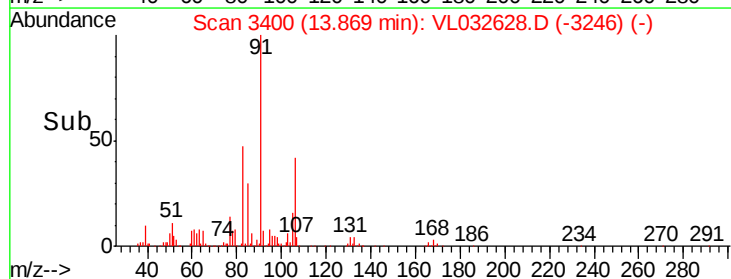
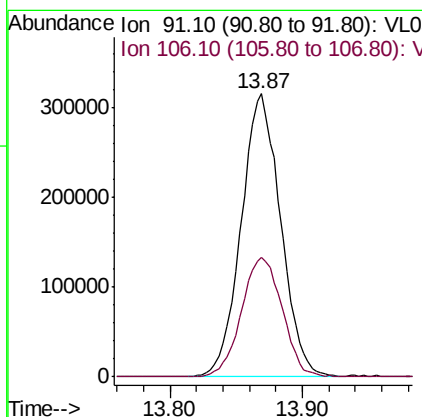
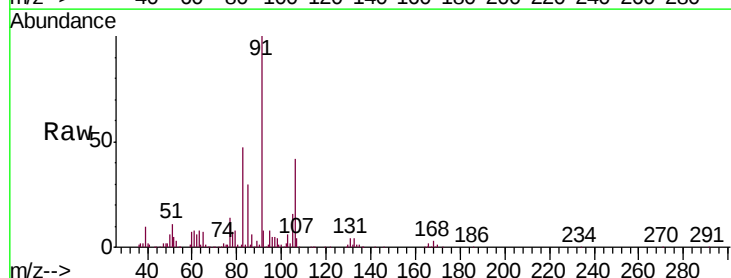
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

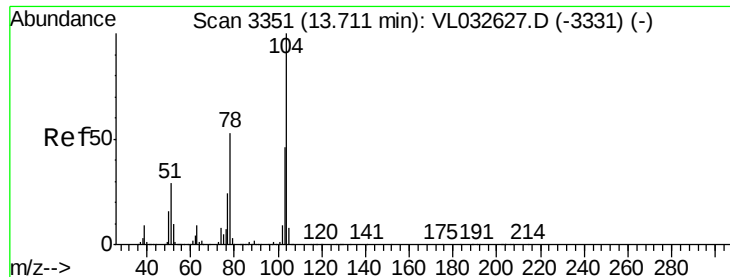
Tgt Ion: 91 Resp: 713320
Ion Ratio Lower Upper
91 100
106 0.0 35.9 53.9#



#60
o-Xylene
Concen: 2.170 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 91 Resp: 651736
Ion Ratio Lower Upper
91 100
106 44.0 22.1 66.1





#61

Styrene

Concen: 2.222 ppbv

RT: 13.70 min Scan# 3349

Delta R.T. -0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

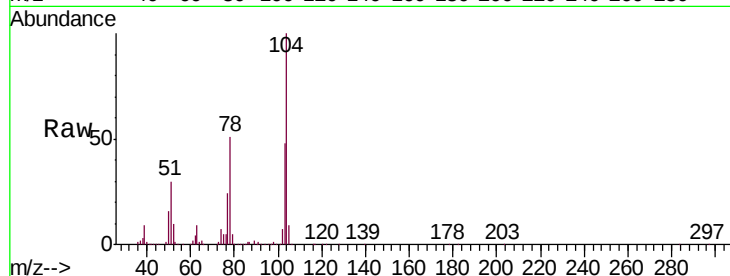
Tgt Ion:104 Resp: 409712

Ion Ratio Lower Upper

104 100

78 53.0 42.8 64.2

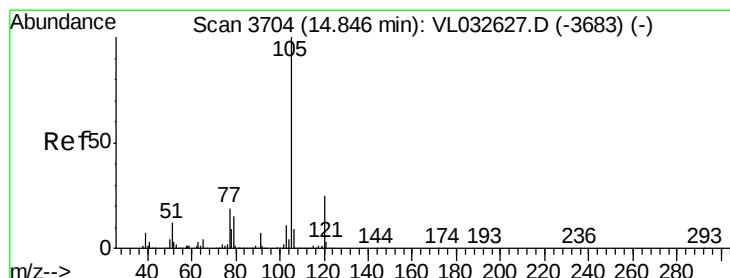
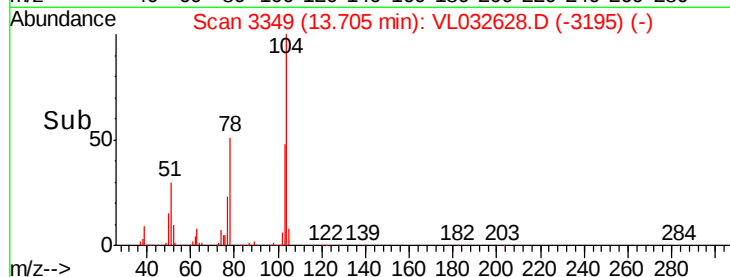
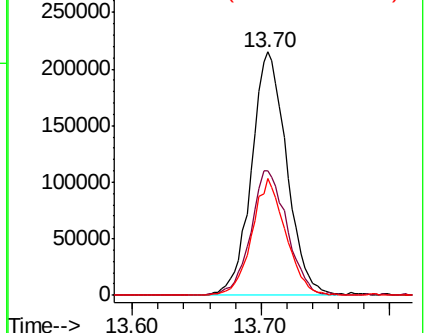
103 46.6 37.4 56.0



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: 2.133 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032628.D

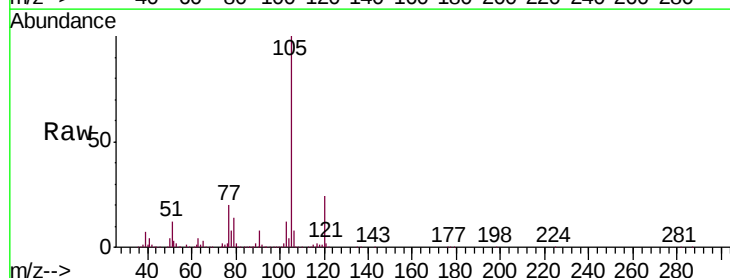
Acq: 17 Oct 2018 3:26

Tgt Ion:105 Resp: 912763

Ion Ratio Lower Upper

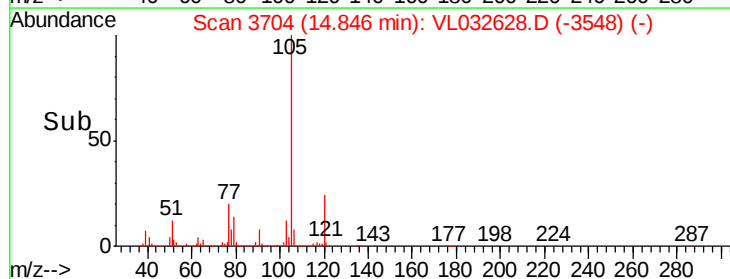
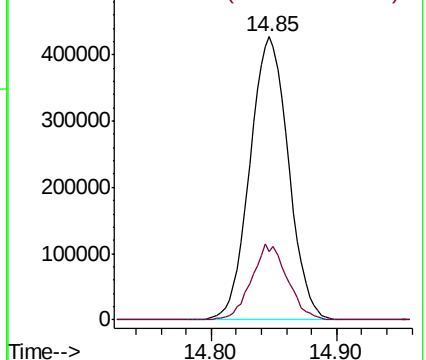
105 100

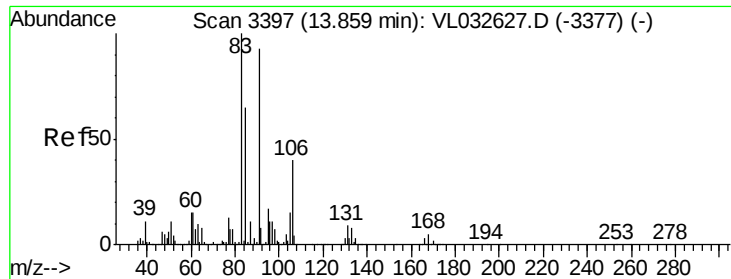
120 25.1 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

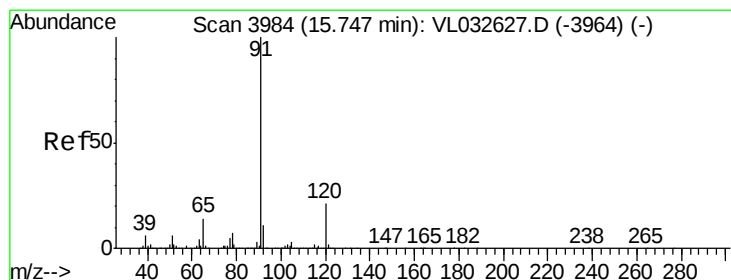
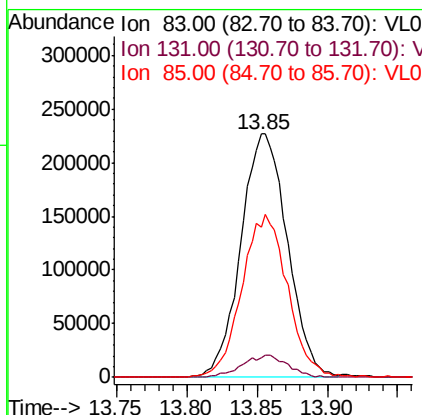
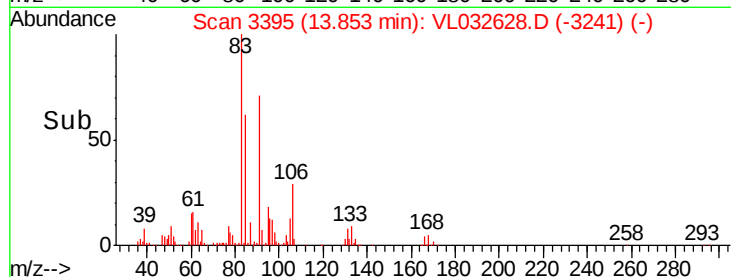
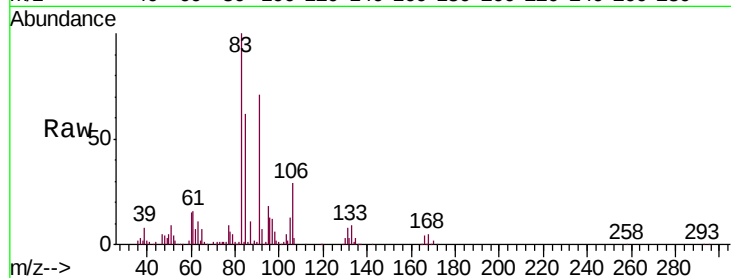




#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.996 ppbv
 RT: 13.85 min Scan# 3395
 Delta R.T. -0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

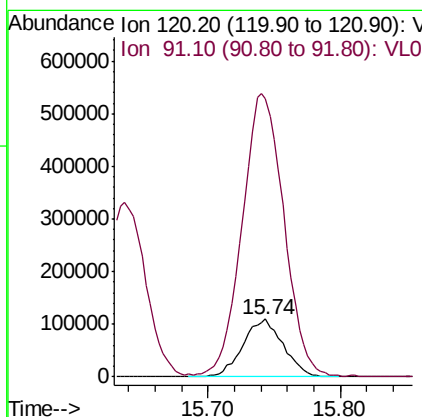
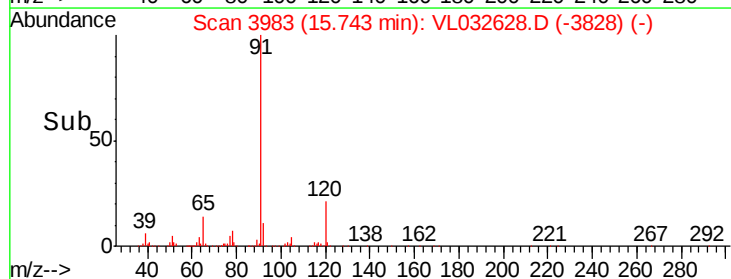
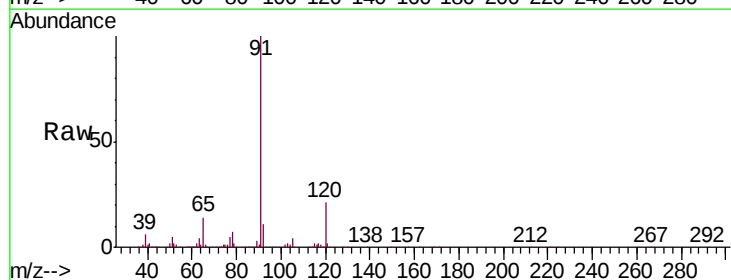
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

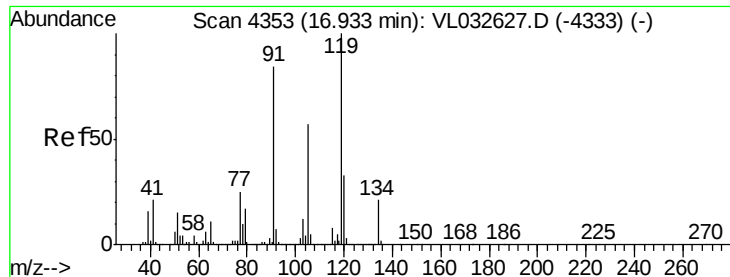
Tgt Ion: 83 Resp: 522058
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.3 12.9
 85 66.2 32.3 96.9



#64
 n-propylbenzene
 Concen: 2.151 ppbv
 RT: 15.74 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 120 Resp: 232095
 Ion Ratio Lower Upper
 120 100
 91 507.8 390.2 585.2

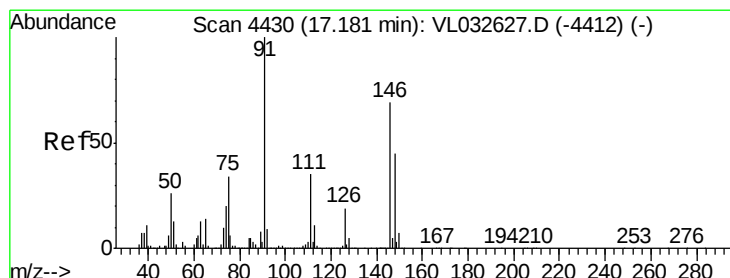
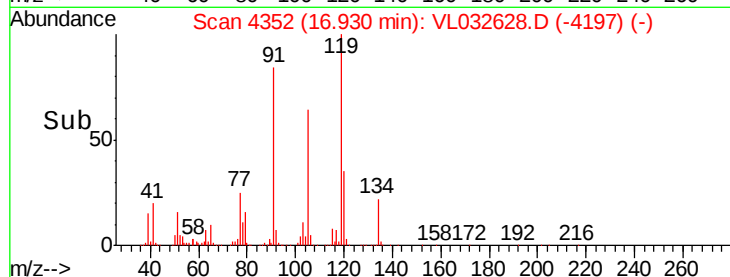
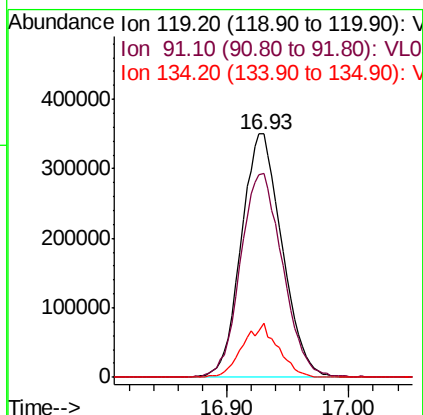
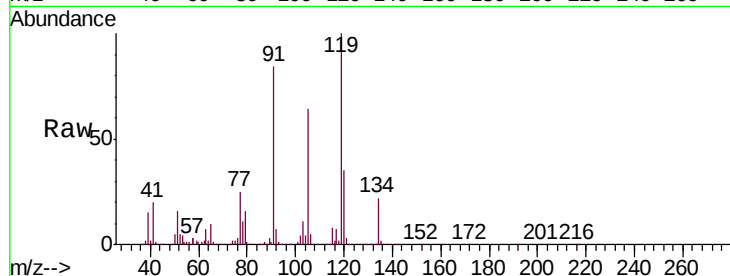




#65
 tert-Butylbenzene
 Concen: 2.227 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

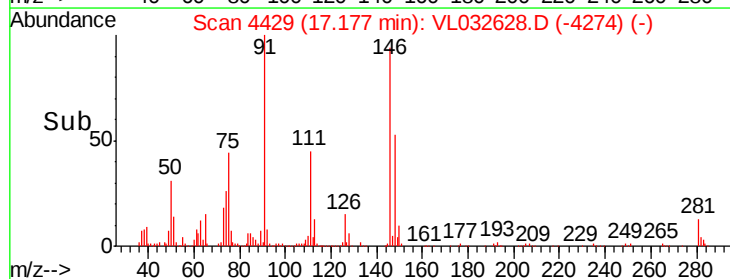
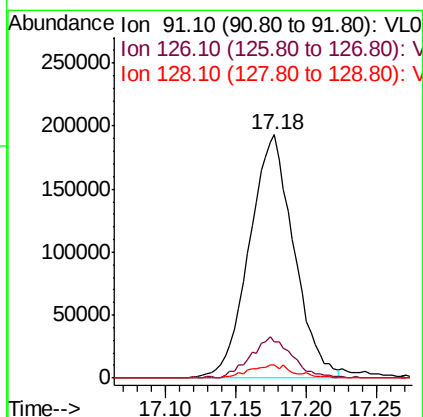
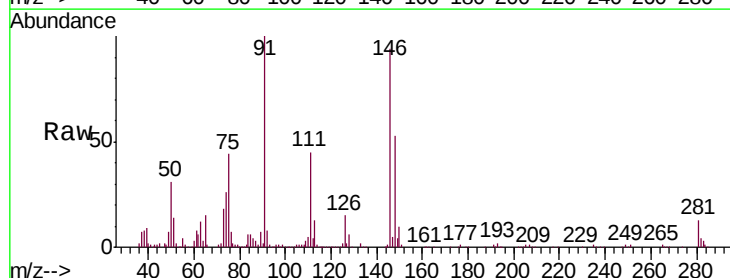
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

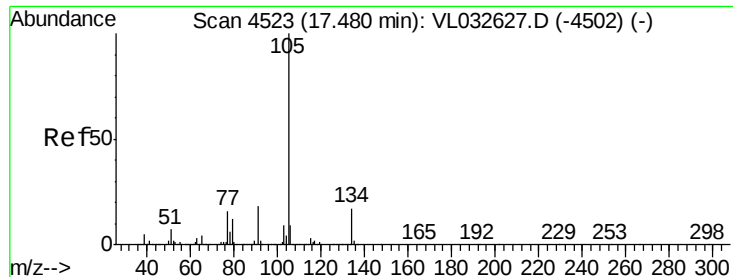
Tgt Ion: 119 Resp: 806844
 Ion Ratio Lower Upper
 119 100
 91 87.1 67.8 101.8
 134 19.4 15.8 23.8



#66
 Benzyl Chloride
 Concen: 2.118 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 91 Resp: 423348
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.9 20.9
 128 5.8 4.3 6.5

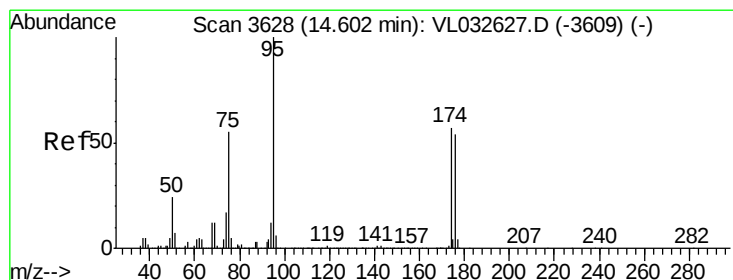
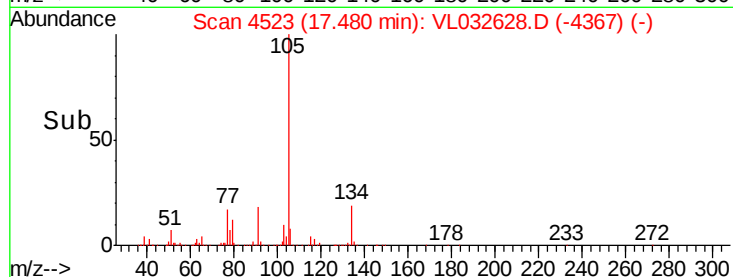
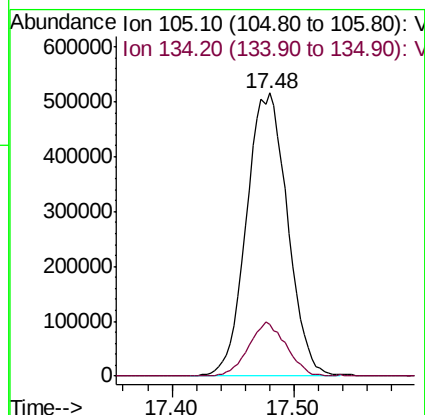
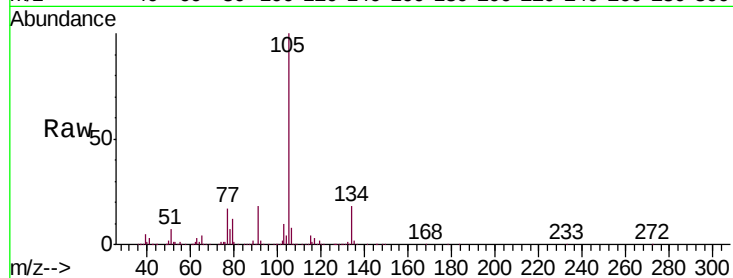




#67
 sec-Butylbenzene
 Concen: 2.217 ppbv
 RT: 17.48 min Scan# 4523
 Delta R.T. 0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

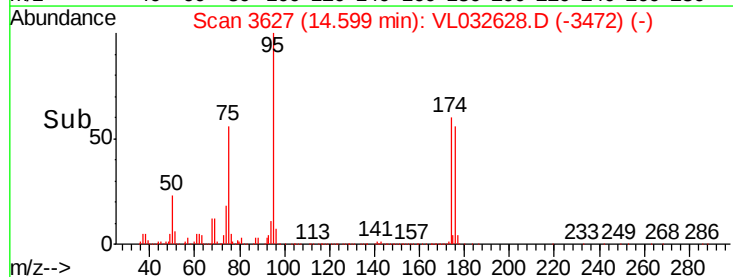
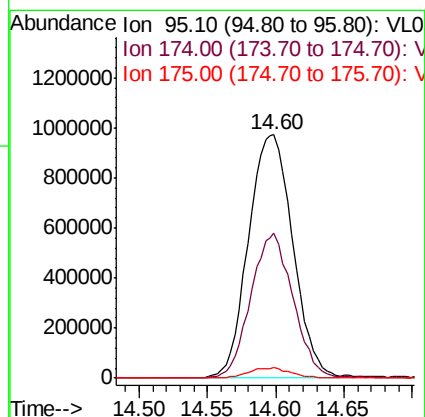
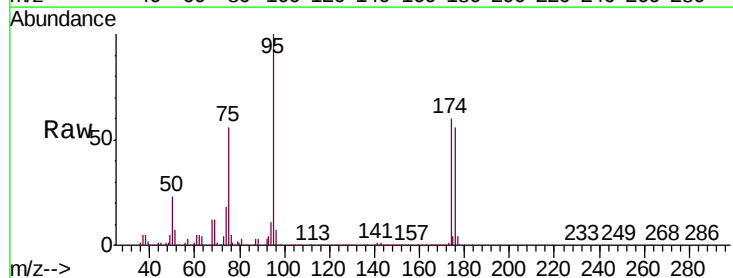
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

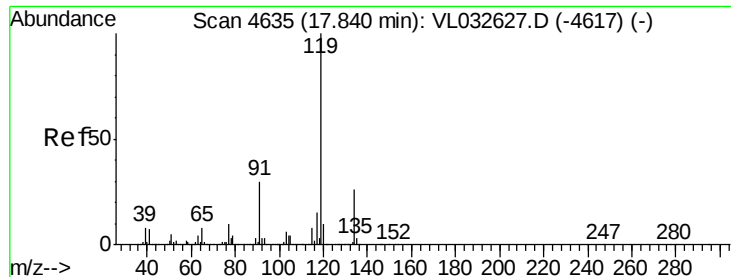
Tgt Ion: 105 Resp: 1199121
 Ion Ratio Lower Upper
 105 100
 134 17.5 14.2 21.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.502 ppbv
 RT: 14.60 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 95 Resp: 2193184
 Ion Ratio Lower Upper
 95 100
 174 57.7 46.0 69.0
 175 4.1 3.4 5.0

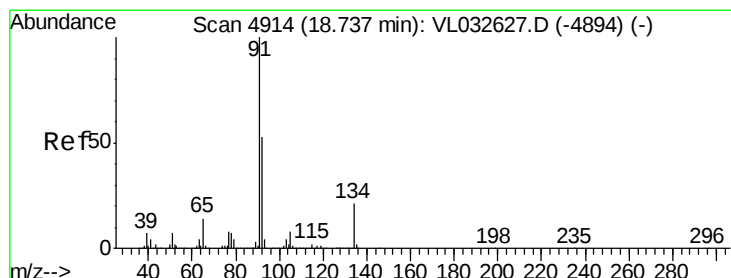
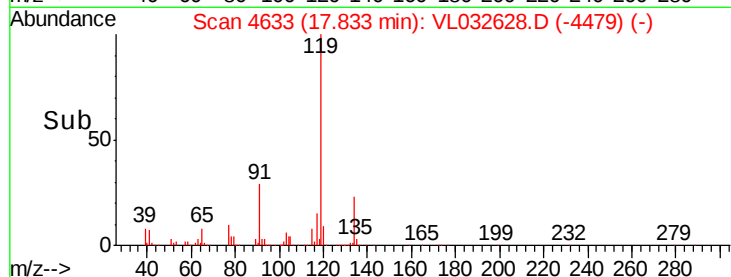
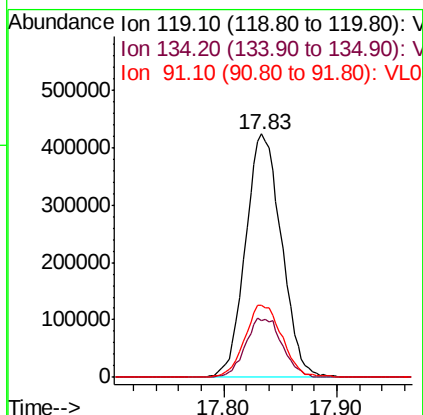
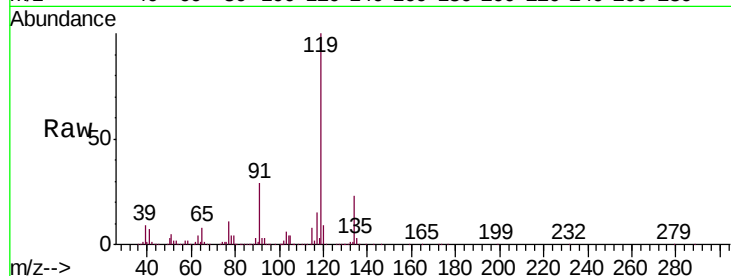




#69
p-Isopropyltoluene
Concen: 2.256 ppbv
RT: 17.83 min Scan# 4633
Delta R.T. -0.01 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

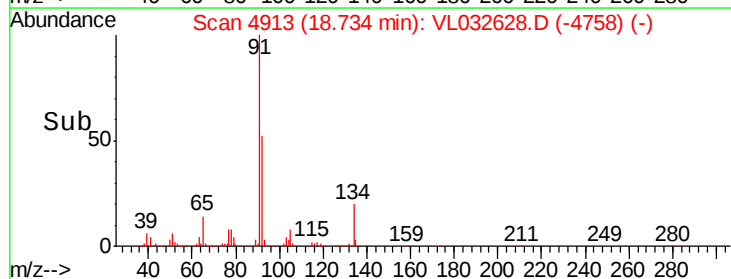
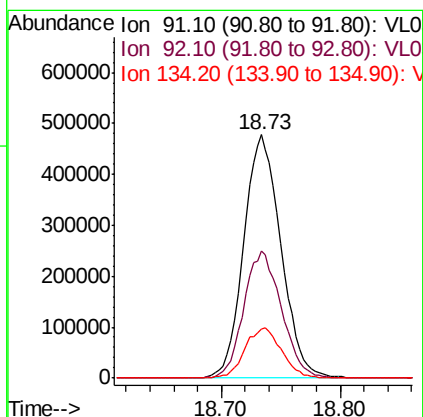
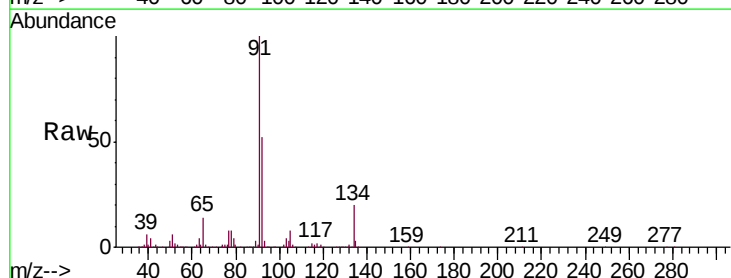
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

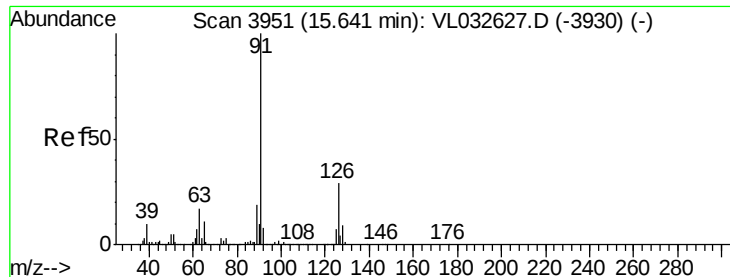
Tgt Ion: 119 Resp: 935518
Ion Ratio Lower Upper
119 100
134 24.9 20.2 30.2
91 30.9 24.0 36.0



#70
n-Butylbenzene
Concen: 2.275 ppbv
RT: 18.73 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL032628.D
Acq: 17 Oct 2018 3:26

Tgt Ion: 91 Resp: 1028648
Ion Ratio Lower Upper
91 100
92 53.2 43.0 64.4
134 20.6 17.0 25.6

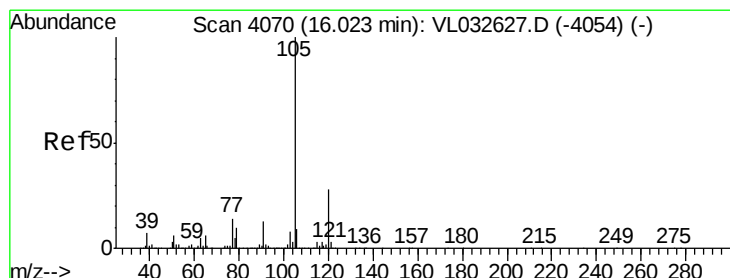
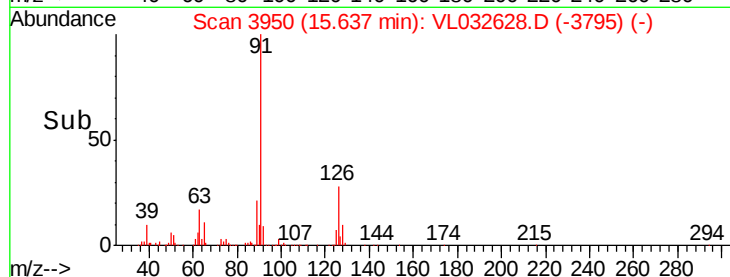
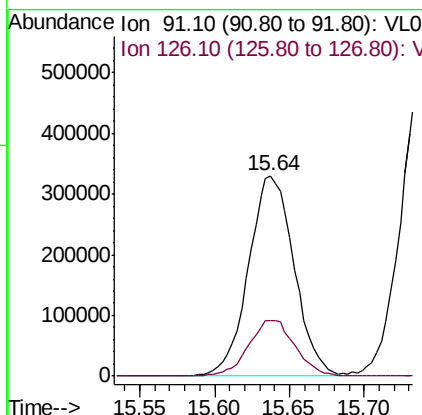
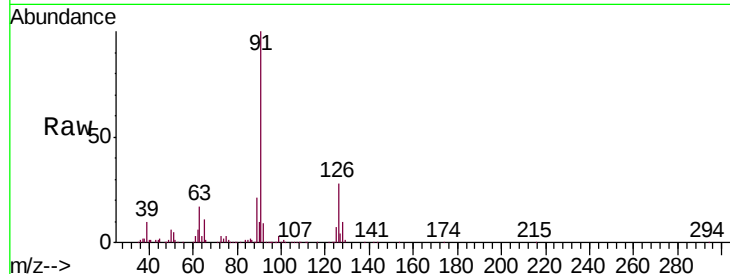




#71
 2-Chlorotoluene
 Concen: 2.222 ppbv
 RT: 15.64 min Scan# 3950
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

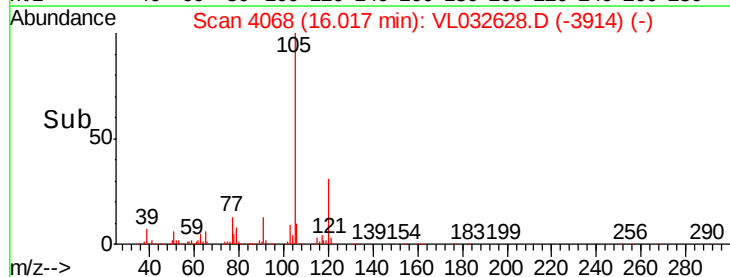
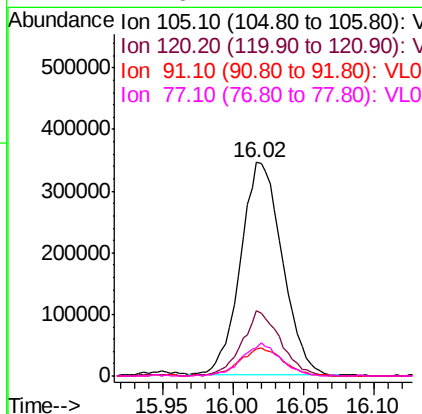
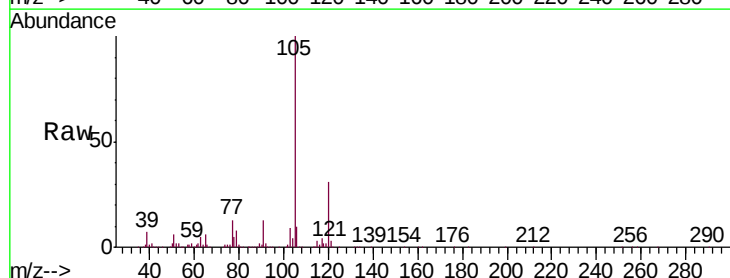
Instrument :
 MSVOA_L
 ClientSampleId :
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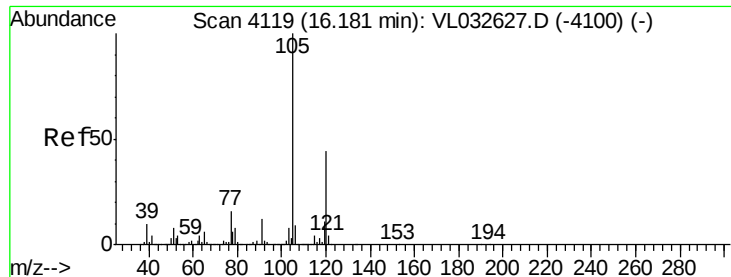
Tgt Ion: 91 Resp: 699104
 Ion Ratio Lower Upper
 91 100
 126 28.5 11.8 47.4



#72
 4-Ethyltoluene
 Concen: 2.211 ppbv
 RT: 16.02 min Scan# 4068
 Delta R.T. -0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion: 105 Resp: 717015
 Ion Ratio Lower Upper
 105 100
 120 28.3 23.7 35.5
 91 13.4 10.4 15.6
 77 14.6 11.4 17.2

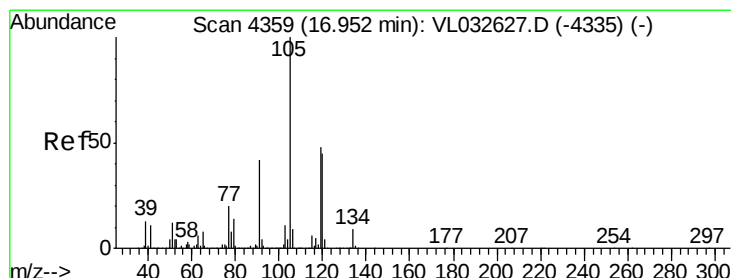
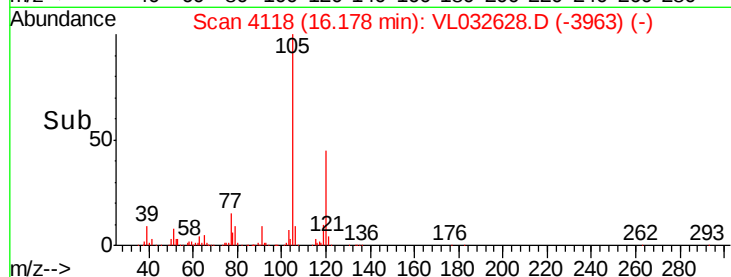
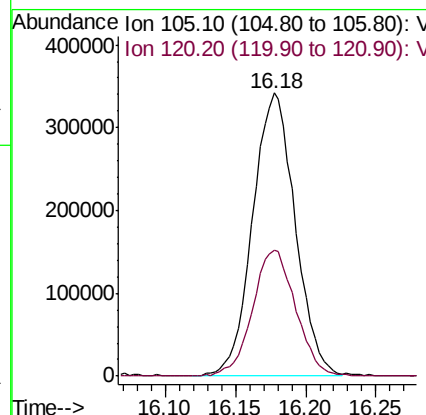
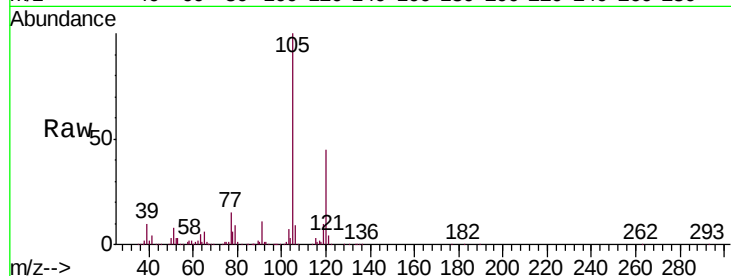




#73
 1,3,5-Trimethylbenzene
 Concen: 2.221 ppbv
 RT: 16.18 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

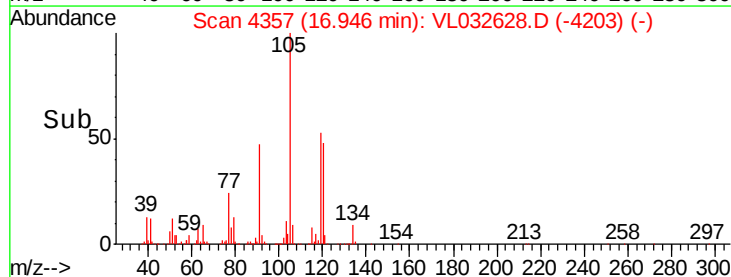
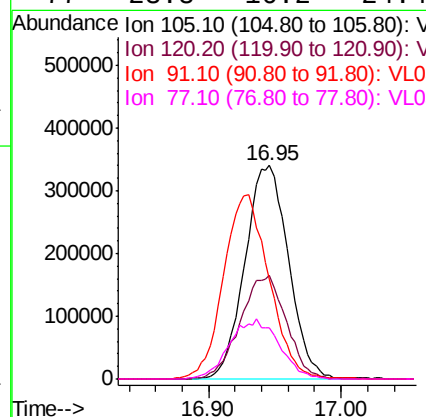
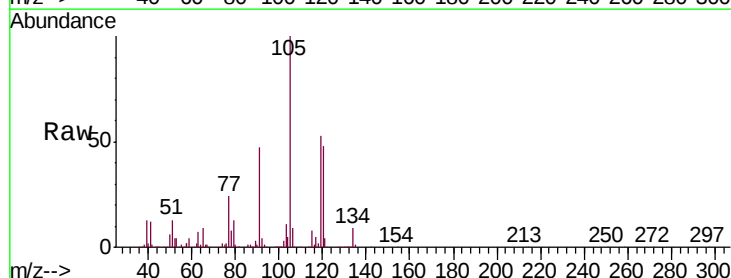
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 ClientSampleId :
 VSTDIC002

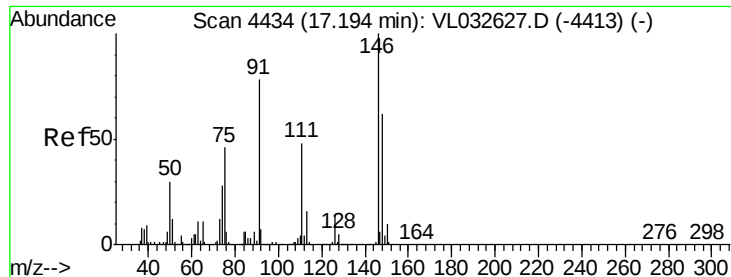
Tgt Ion:105 Resp: 716570
 Ion Ratio Lower Upper
 105 100
 120 44.7 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 2.182 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. -0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion:105 Resp: 776741
 Ion Ratio Lower Upper
 105 100
 120 48.1 35.8 53.8
 91 46.6 33.2 49.8
 77 23.8 16.2 24.4

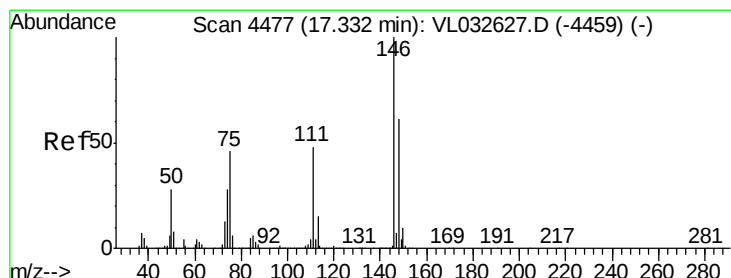
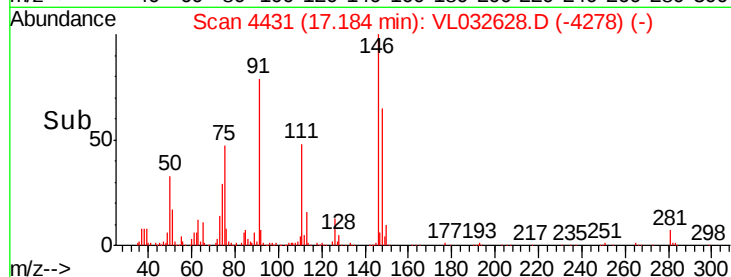
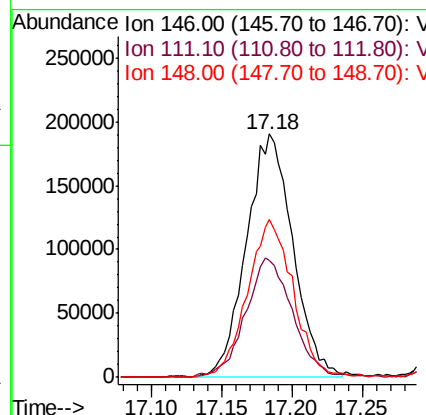
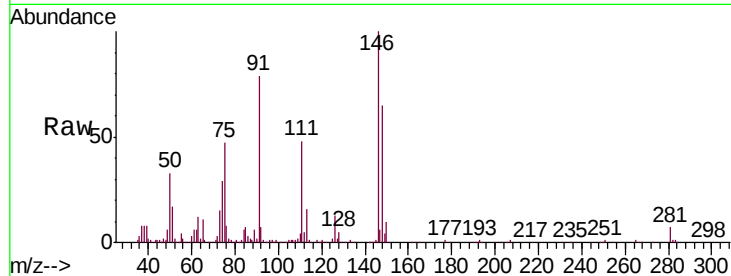




#75
 1,3-Dichlorobenzene
 Concen: 2.106 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. -0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

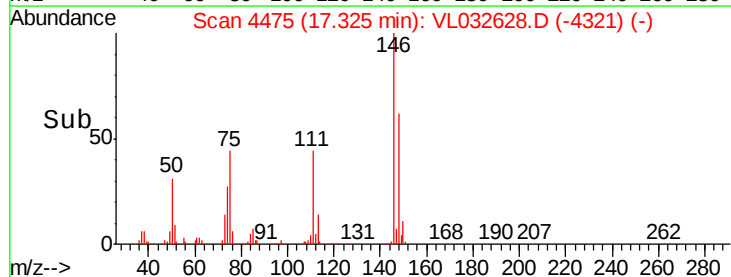
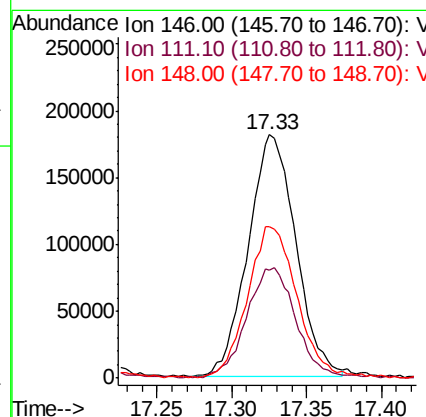
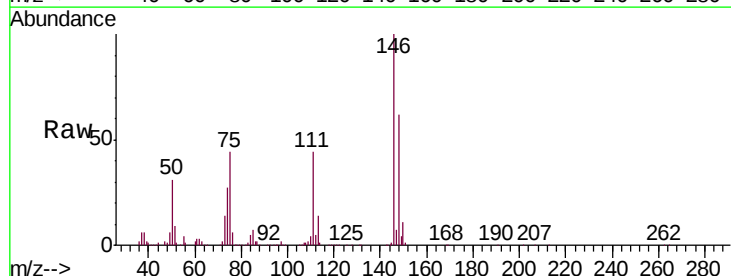
Instrument :
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 ClientSampleId :
 VSTDIC002

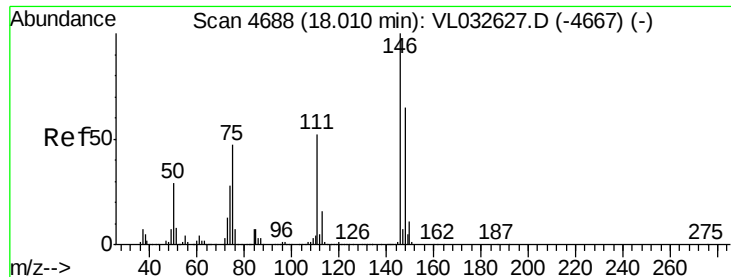
Tgt Ion:146 Resp: 435692
 Ion Ratio Lower Upper
 146 100
 111 50.3 24.4 73.2
 148 64.4 31.9 95.9



#76
 1,4-Dichlorobenzene
 Concen: 2.155 ppbv
 RT: 17.33 min Scan# 4475
 Delta R.T. -0.01 min
 Lab File: VL032628.D
 Acq: 17 Oct 2018 3:26

Tgt Ion:146 Resp: 402048
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.7 71.1
 148 65.3 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 2.192 ppbv

RT: 18.00 min Scan# 4686

Delta R.T. -0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

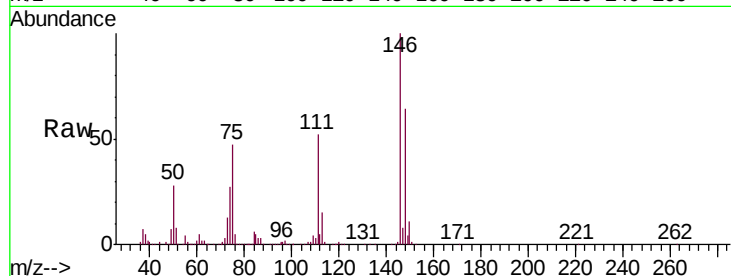
Tgt Ion:146 Resp: 425766

Ion Ratio Lower Upper

146 100

111 49.5 25.3 75.8

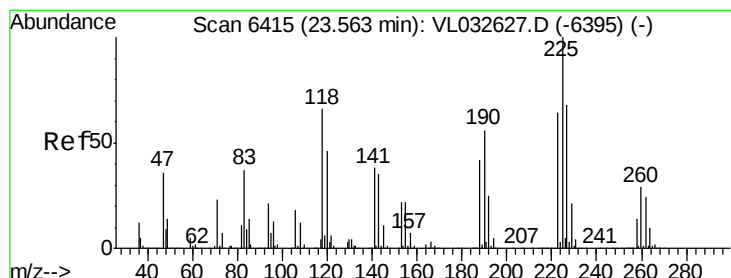
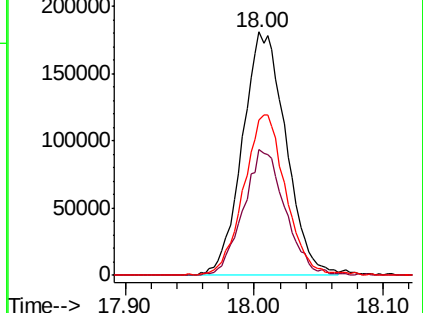
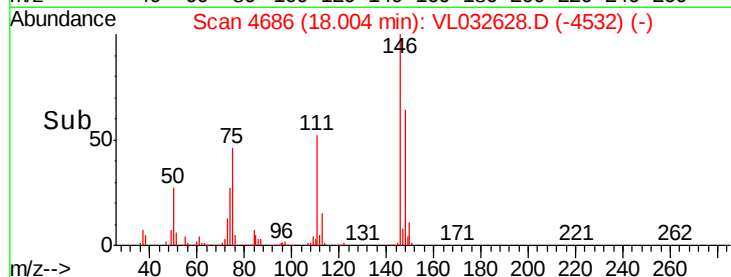
148 63.9 31.9 95.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 2.039 ppbv

RT: 23.56 min Scan# 6415

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

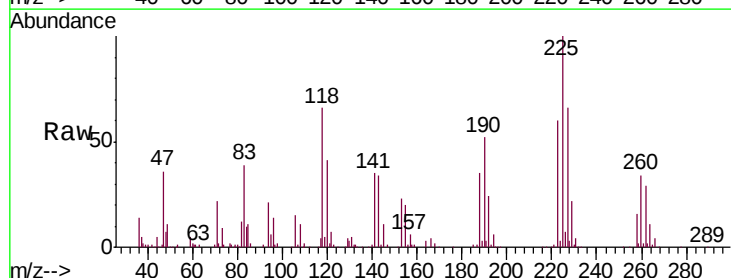
Tgt Ion:225 Resp: 192051

Ion Ratio Lower Upper

225 100

223 63.6 50.7 76.1

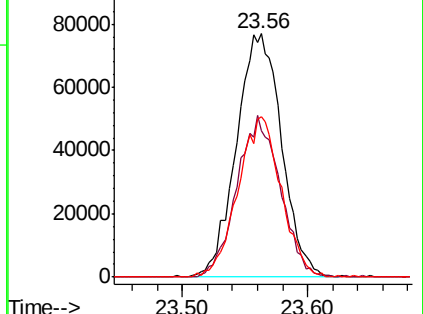
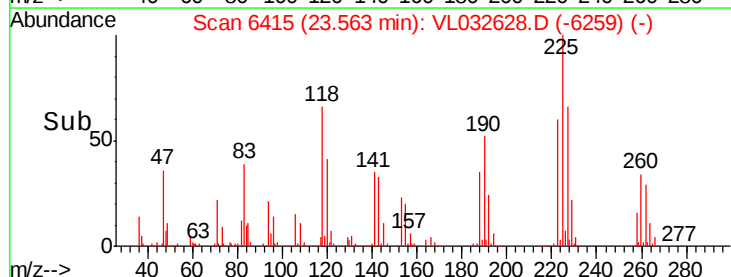
227 63.3 50.7 76.1

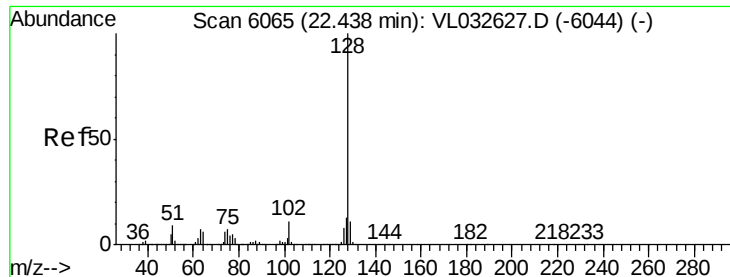


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 2.245 ppbv

RT: 22.44 min Scan# 6065

Delta R.T. 0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

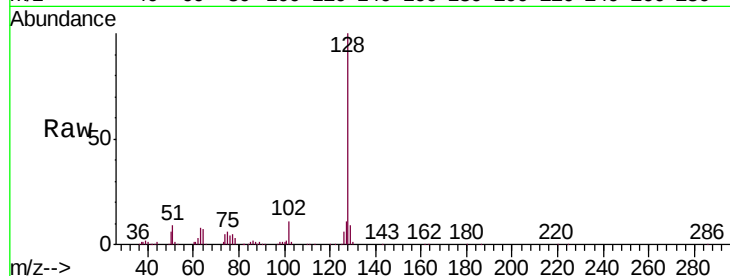
Tgt Ion:128 Resp: 538556

Ion Ratio Lower Upper

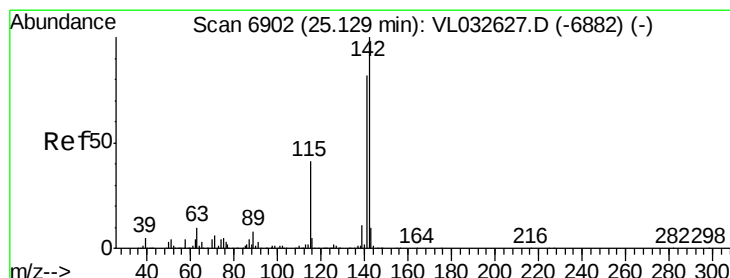
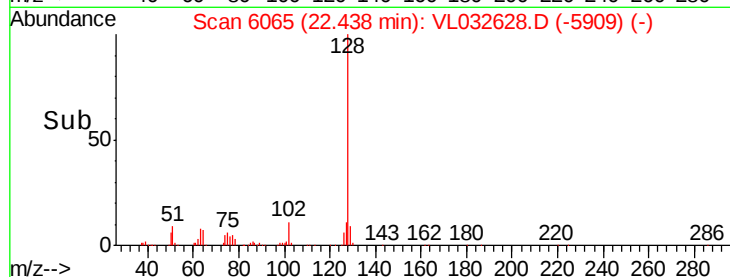
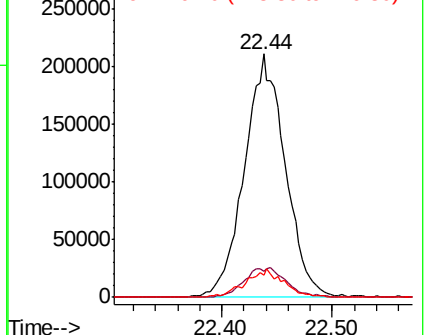
128 100

127 10.6 10.3 15.5

129 9.2 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: 1.412 ppbv

RT: 25.14 min Scan# 6905

Delta R.T. 0.01 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

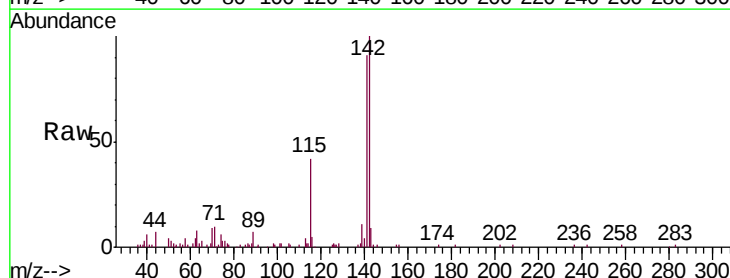
Tgt Ion:142 Resp: 65926

Ion Ratio Lower Upper

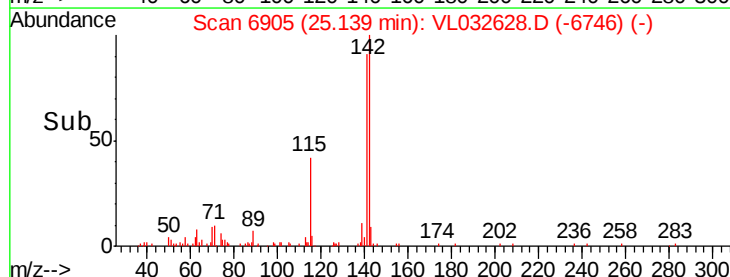
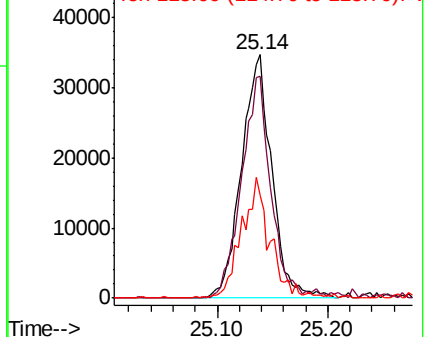
142 100

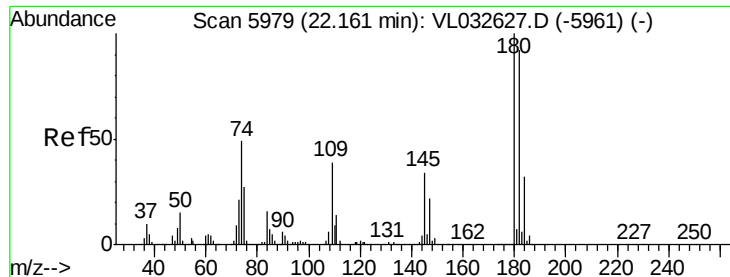
141 90.1 67.5 101.3

115 46.9 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: 2.215 ppbv

RT: 22.16 min Scan# 5978

Delta R.T. -0.00 min

Lab File: VL032628.D

Acq: 17 Oct 2018 3:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

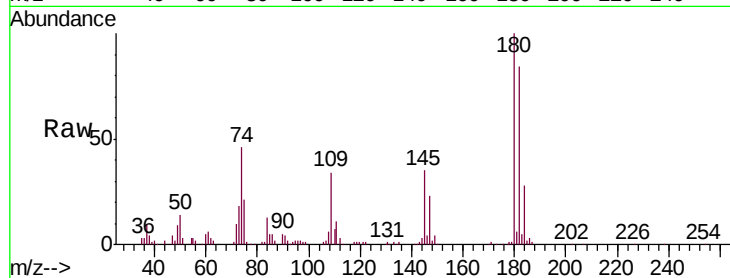
Tgt Ion:180 Resp: 262920

Ion Ratio Lower Upper

180 100

182 94.9 76.5 114.7

184 30.2 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

