

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032547.D
 Acq On : 25 Sep 2018 16:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 26 09:17:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1416207	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.33	114	3285248	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.28	117	4149042	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2536450	8.11	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.09	85	1051209	8.025	ppbv 97
3) Chlorodifluoromethane	3.03	51	1207093	10.249	ppbv 100
4) Chloromethane	3.19	50	696255	10.139	ppbv 99
5) Vinyl Chloride	3.31	62	665758	9.594	ppbv 99
6) Bromomethane	3.53	94	376784	9.929	ppbv 97
7) Chloroethane	3.62	64	243200	9.836	ppbv 99
8) Dichlorotetrafluoroethane	3.24	85	1419591	9.919	ppbv 100
9) Propene	3.05	41	643526	12.594	ppbv 99
10) Heptane	8.28	43	2014659	10.749	ppbv 99
11) Trichlorofluoromethane	4.02	101	1411228	9.063	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1218631	9.574	ppbv 99
13) Ethanol	3.67	45	133567	8.696	ppbv 95
14) Bromoethene	3.81	108	438630	9.712	ppbv 99
15) Acetone	3.92	43	1203781	9.684	ppbv 100
16) 1,3-Butadiene	3.38	39	556790	11.044	ppbv 94
17) tert-Butyl alcohol	4.38	59	188000	12.035	ppbv # 100
18) 1,1-Dichloroethene	4.37	96	589693	9.892	ppbv 99
19) Isopropyl Alcohol	4.04	45	840073	9.702	ppbv # 98
20) Methylene Chloride	4.43	84	523404	8.695	ppbv 98
21) Allyl Chloride	4.50	41	1043906	10.275	ppbv 99
22) trans-1,2-Dichloroethene	4.99	96	574067	10.218	ppbv 98
23) Vinyl Acetate	5.18	43	2488878	11.330	ppbv 99
24) 1,1-Dichloroethane	5.12	63	1807574	9.882	ppbv 100
25) Ethyl Acetate	5.80	43	2972829	9.855	ppbv 100
26) Hexane	5.81	57	1379896	10.128	ppbv 99
27) Carbon Disulfide	4.64	76	1501818	10.253	ppbv 100
28) Methyl tert-Butyl Ether	5.14	73	1946084	11.466	ppbv 98
29) Chloroform	5.88	83	2080630	9.952	ppbv 95
30) Cyclohexane	7.28	84	1235651	11.138	ppbv 99
31) cis-1,2-Dichloroethene	5.67	61	1404226	10.821	ppbv 99
32) 1,1,1-Trichloroethane	6.65	97	2000432	8.979	ppbv 99
34) 2-Butanone	5.35	43	2080812	10.636	ppbv 100
35) Carbon Tetrachloride	7.17	117	2107676	9.233	ppbv 99
36) Benzene	7.04	78	2873052	10.821	ppbv 98
37) 1,2-Dichloroethane	6.44	62	1587291	9.920	ppbv 99
38) Trichloroethene	7.99	130	1045422	10.287	ppbv 98
39) 1,2-Dichloropropane	7.77	63	1220878	10.204	ppbv 98
40) 1,4-Dioxane	7.98	88	357434	9.743	ppbv # 1
41) Tetrahydrofuran	6.18	42	1284282	12.083	ppbv 99
42) Bromodichloromethane	7.95	83	2354377	9.822	ppbv 98
43) Methyl Methacrylate	8.17	69	1255146	11.317	ppbv 100

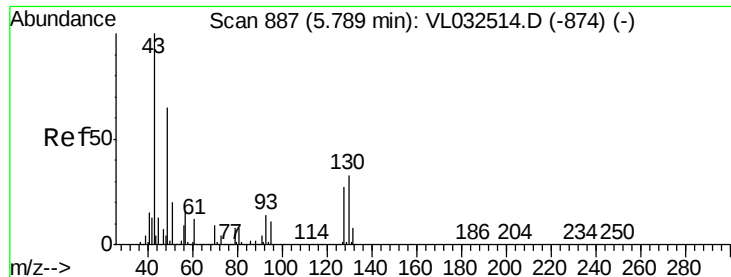
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092418\
 Data File : VL032547.D
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Quant Time: Sep 26 09:17:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Sep 25 05:17:15 2018
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.02	57	5262494	10.142	ppbv	100
45) t-1,3-Dichloropropene	9.45	75	1666720	12.081	ppbv	100
46) cis-1,3-Dichloropropene	8.87	75	1778591	10.991	ppbv	99
47) 1,1,2-Trichloroethane	9.65	97	1293027	9.730	ppbv	98
48) Dibromochloromethane	10.49	129	2123415	10.162	ppbv	99
49) Bromoform	13.24	173	1582201	9.910	ppbv	100
50) 4-Methyl-2-Pentanone	8.90	43	3059809	9.950	ppbv	99
51) 2-Hexanone	10.30	43	2841075	11.171	ppbv #	99
52) Tetrachloroethene	11.41	164	903659	9.775	ppbv	97
53) Toluene	9.98	91	3652814	11.290	ppbv	99
54) 1,2-Dibromoethane	10.79	107	1954768	10.342	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.32	131	1401867	7.517	ppbv #	59
57) Chlorobenzene	12.34	112	2489281	7.448	ppbv	98
58) Ethyl Benzene	12.90	91	4514340	8.970	ppbv	97
59) m/p-Xylene	13.19	91	3272481	7.308	ppbv #	14
60) o-Xylene	13.89	91	3614118	8.290	ppbv	100
61) Styrene	13.72	104	2657023	9.317	ppbv	99
62) Isopropylbenzene	14.87	105	5077147	8.235	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.87	83	2681202	6.923	ppbv	99
64) n-propylbenzene	15.76	120	1294916	8.175	ppbv	96
65) tert-Butylbenzene	16.95	119	4220101	7.986	ppbv	99
66) Benzyl Chloride	17.19	91	2516202	8.261	ppbv	100
67) sec-Butylbenzene	17.50	105	6269868	7.980	ppbv	99
69) p-Isopropyltoluene	17.85	119	4926496	8.118	ppbv	99
70) n-Butylbenzene	18.75	91	5388924	8.130	ppbv	99
71) 2-Chlorotoluene	15.65	91	3951716	8.415	ppbv	99
72) 4-Ethyltoluene	16.04	105	4124700	8.717	ppbv	100
73) 1,3,5-Trimethylbenzene	16.20	105	3929256	8.544	ppbv	97
74) 1,2,4-Trimethylbenzene	16.96	105	3925376	7.927	ppbv	100
75) 1,3-Dichlorobenzene	17.20	146	2139665	7.003	ppbv	99
76) 1,4-Dichlorobenzene	17.34	146	1121035	4.007	ppbv #	23
77) 1,2-Dichlorobenzene	18.02	146	2106910	7.332	ppbv	99
78) Hexachloro-1,3-Butadiene	23.58	225	1216300	11.279	ppbv	99
79) Naphthalene	22.45	128	3251869	9.106	ppbv	99
80) Naphthalene, 2-methyl-	25.14	142	1061973	12.666	ppbv	98
81) 1,2,4-Trichlorobenzene	22.18	180	1554446	8.492	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

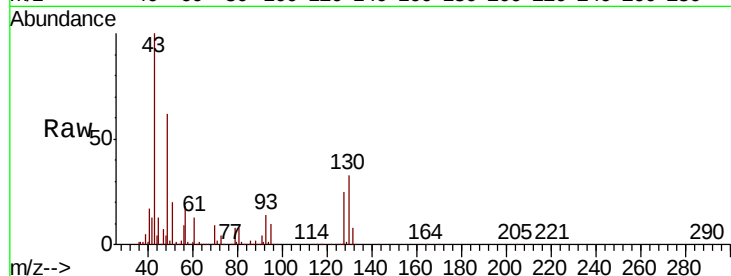
Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1416207

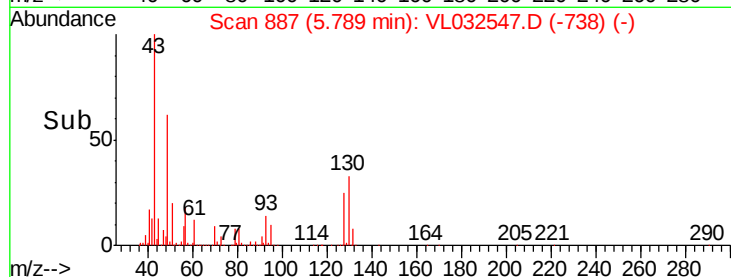
Ion	Ratio	Lower	Upper
49	100		
128	41.3	20.7	62.1
130	53.2	26.6	79.7



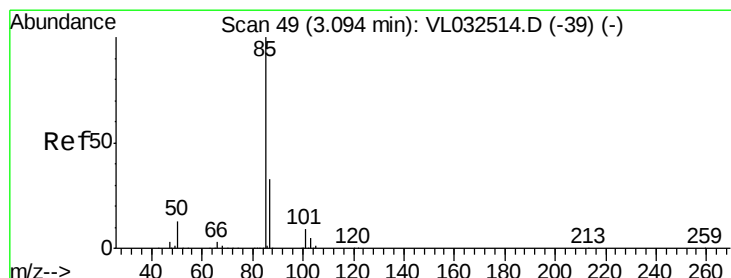
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 8.025 ppbv

RT: 3.09 min Scan# 48

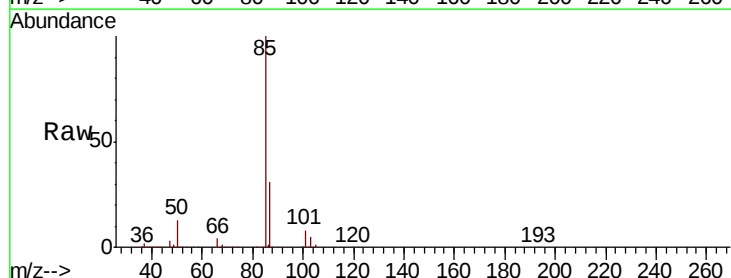
Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

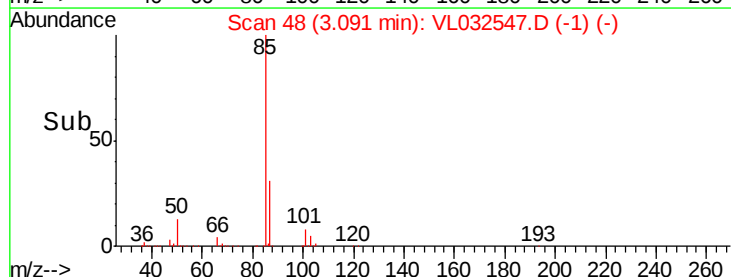
Tgt Ion: 85 Resp: 1051209

Ion	Ratio	Lower	Upper
85	100		
87	31.3	26.2	39.4

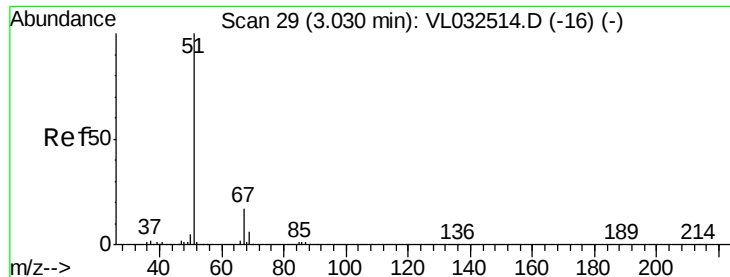


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 10.249 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

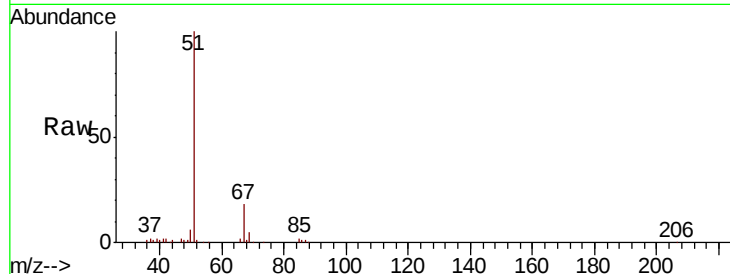
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1207093

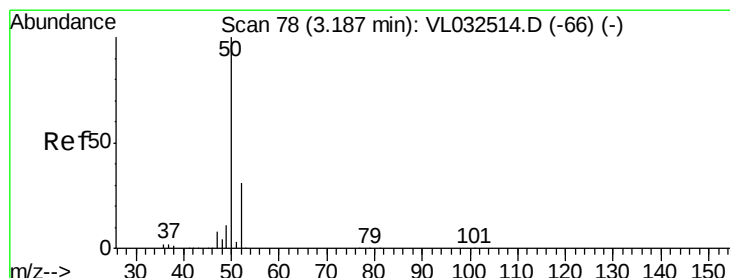
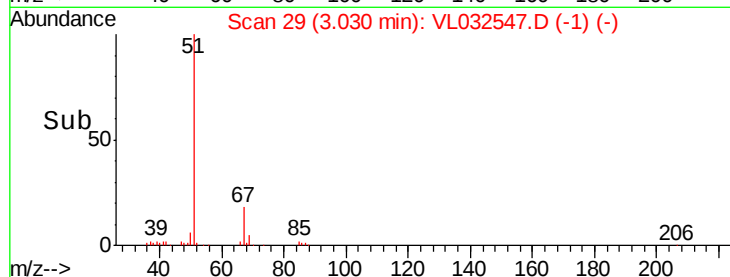
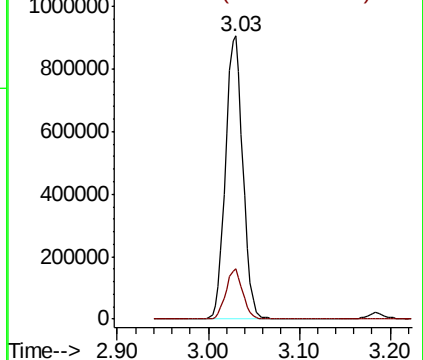
Ion Ratio Lower Upper

51 100

67 17.2 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.139 ppbv

RT: 3.19 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL032547.D

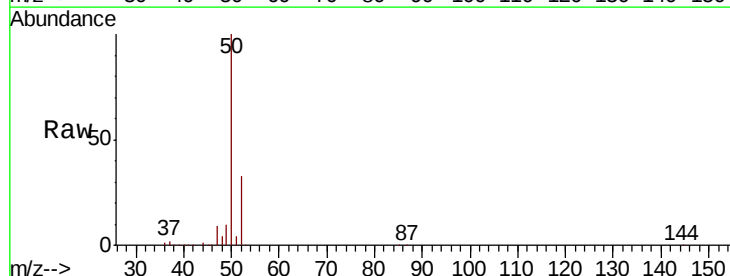
Acq: 25 Sep 2018 16:10

Tgt Ion: 50 Resp: 696255

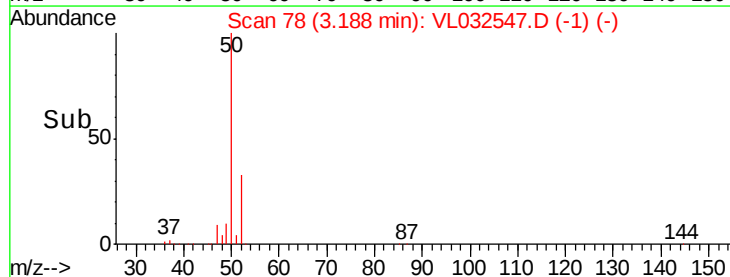
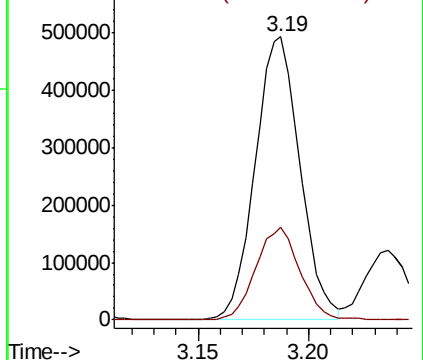
Ion Ratio Lower Upper

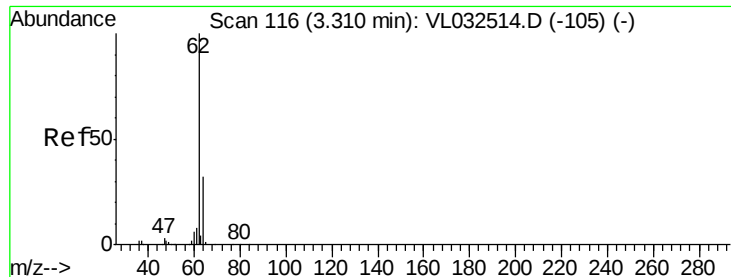
50 100

52 32.6 25.6 38.4



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.594 ppbv

RT: 3.31 min Scan# 115

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

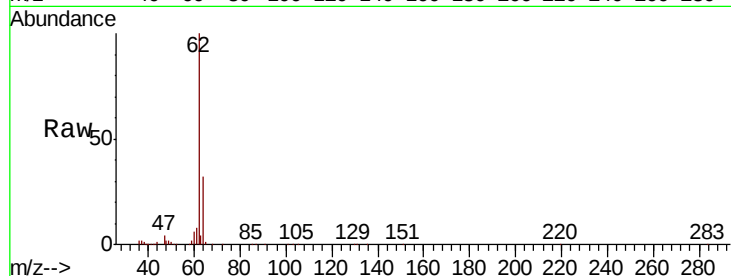
ClientSampled :

Tot Ion: 62 Resp: 665758

Ion Ratio Lower Upper

62 100

64 31.8 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.31

500000

400000

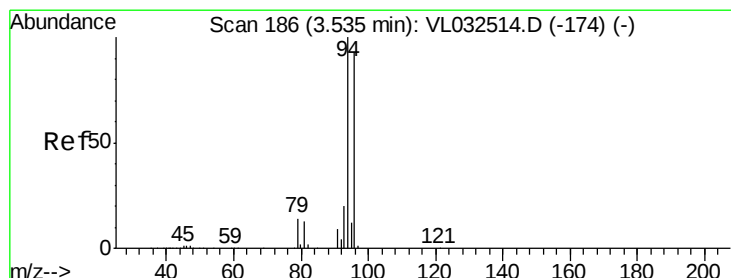
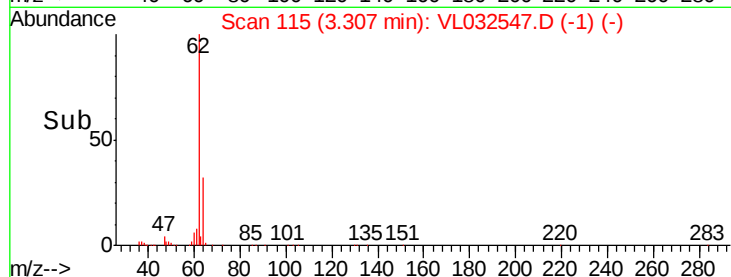
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.929 ppbv

RT: 3.53 min Scan# 185

Delta R.T. -0.02 min

Lab File: VL032547.D

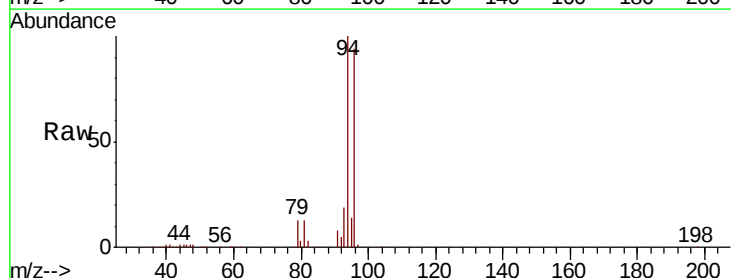
Acq: 25 Sep 2018 16:10

Tgt Ion: 94 Resp: 376784

Ion Ratio Lower Upper

94 100

96 93.7 72.8 109.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.53

300000

250000

200000

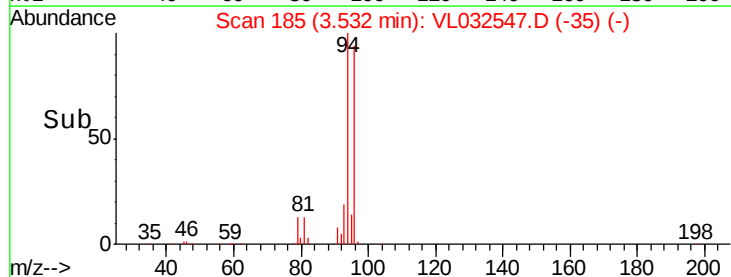
150000

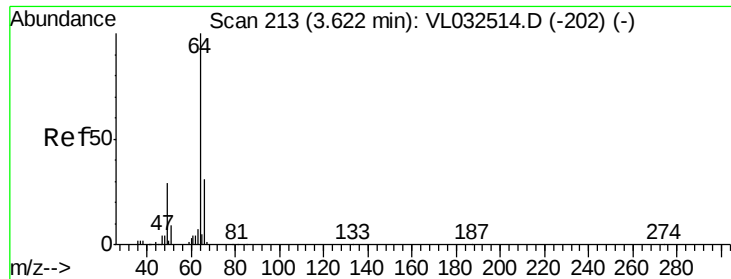
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.836 ppbv

RT: 3.62 min Scan# 212

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

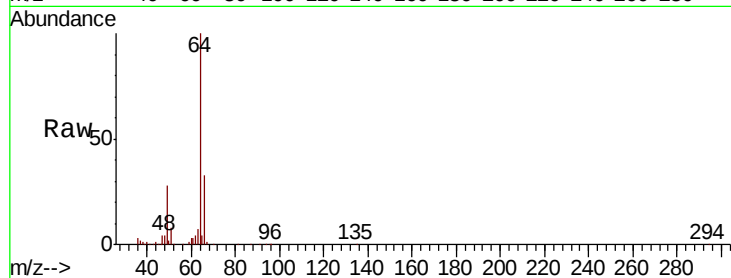
ClientSampleId :

Tot Ion: 64 Resp: 243200

Ion Ratio Lower Upper

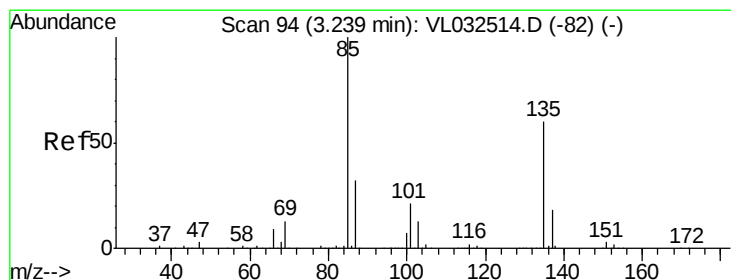
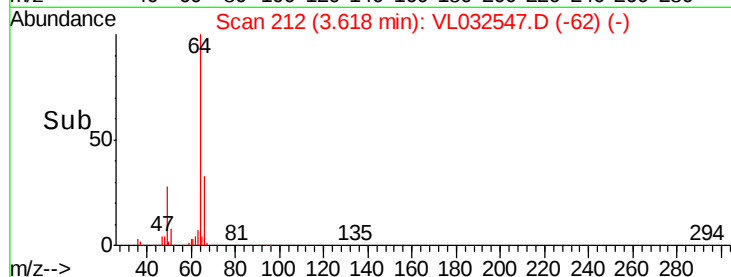
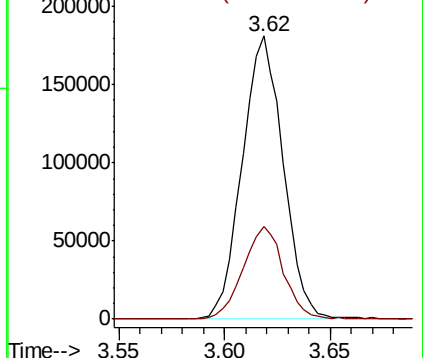
64 100

66 32.6 25.8 38.6



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.919 ppbv

RT: 3.24 min Scan# 93

Delta R.T. -0.02 min

Lab File: VL032547.D

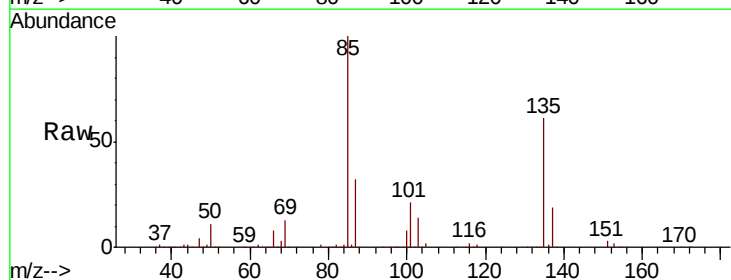
Acq: 25 Sep 2018 16:10

Tgt Ion: 85 Resp: 1419591

Ion Ratio Lower Upper

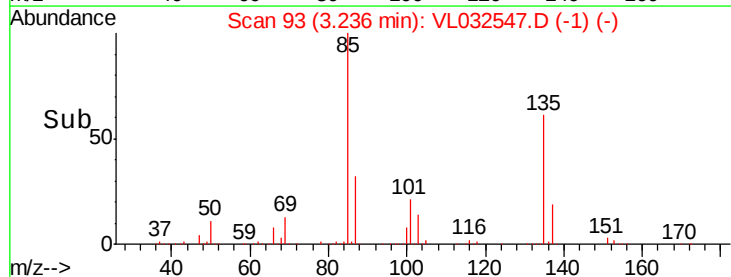
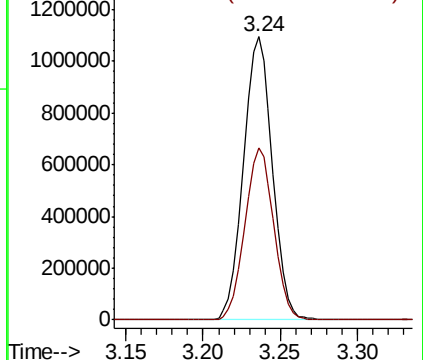
85 100

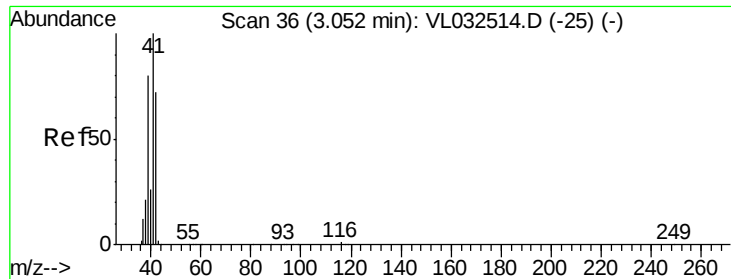
135 61.0 48.6 72.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 12.594 ppbv

RT: 3.05 min Scan# 35

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

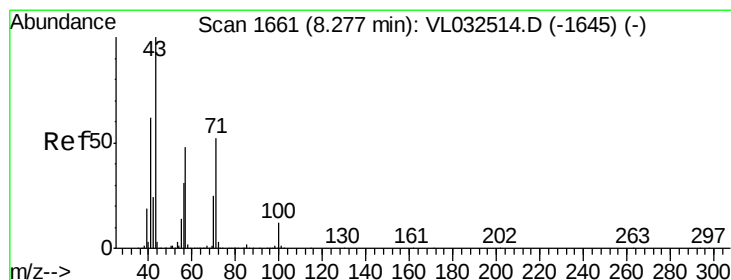
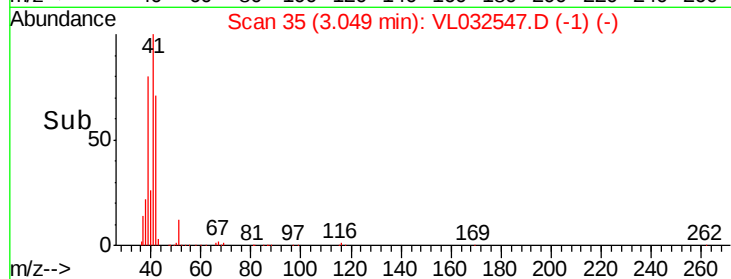
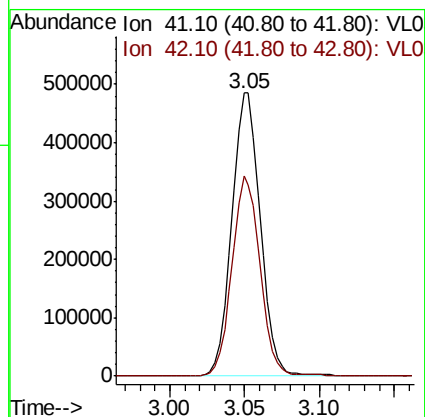
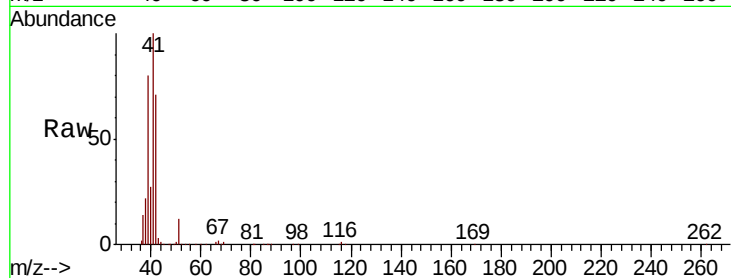
Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 41 Resp: 643526

Ion Ratio Lower Upper

41 100

42 69.8 56.6 84.8



#10

Heptane

Concen: 10.749 ppbv

RT: 8.28 min Scan# 1661

Delta R.T. -0.02 min

Lab File: VL032547.D

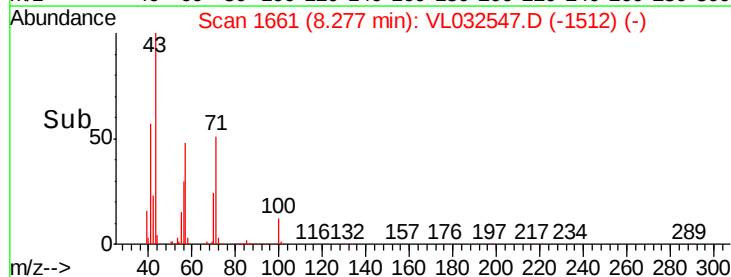
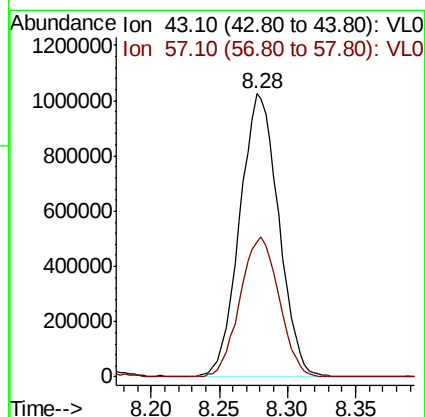
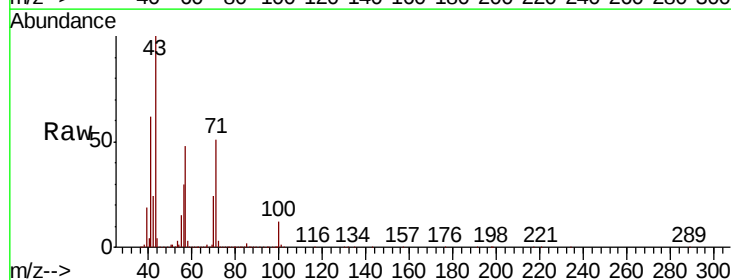
Acq: 25 Sep 2018 16:10

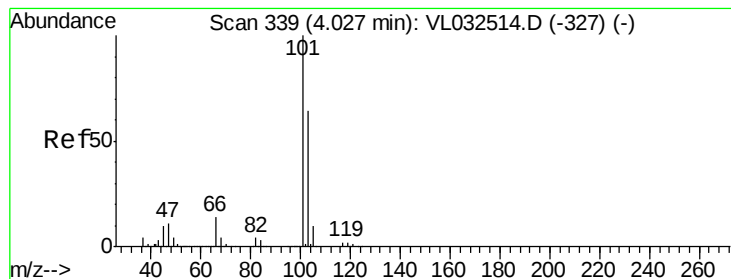
Tgt Ion: 43 Resp: 2014659

Ion Ratio Lower Upper

43 100

57 49.9 39.6 59.4





#11

Trichlorofluoromethane

Concen: 9.063 ppbv

RT: 4.02 min Scan# 338

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

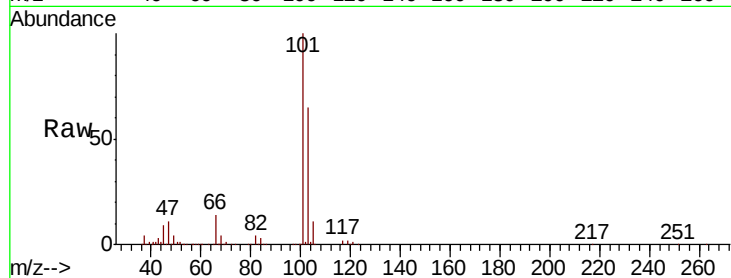
ClientSampleId :

Tot Ion:101 Resp: 1411228

Ion Ratio Lower Upper

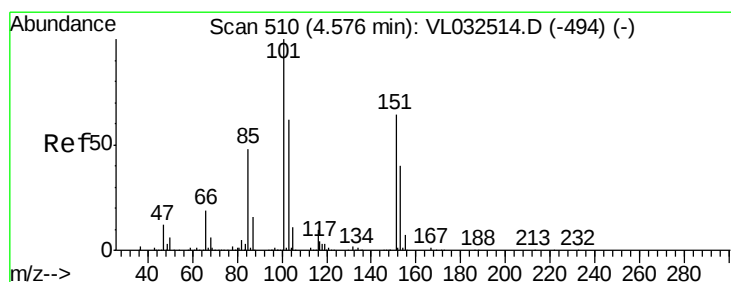
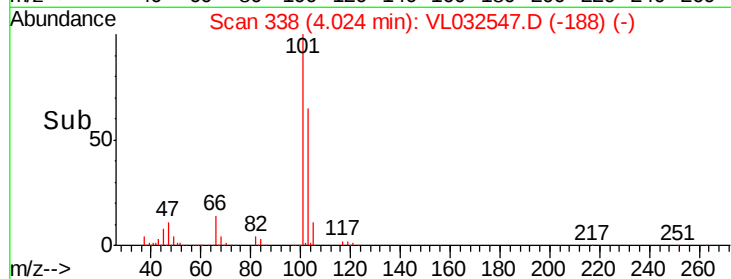
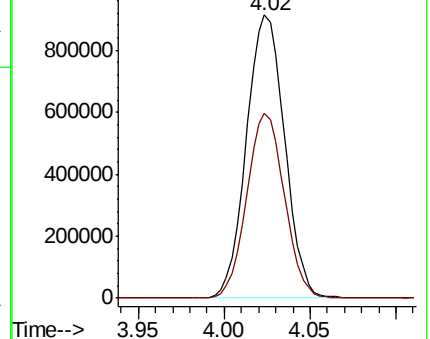
101 100

103 65.2 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.574 ppbv

RT: 4.57 min Scan# 509

Delta R.T. -0.02 min

Lab File: VL032547.D

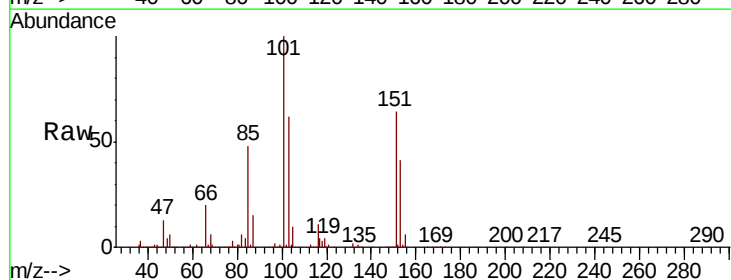
Acq: 25 Sep 2018 16:10

Tgt Ion:101 Resp: 1218631

Ion Ratio Lower Upper

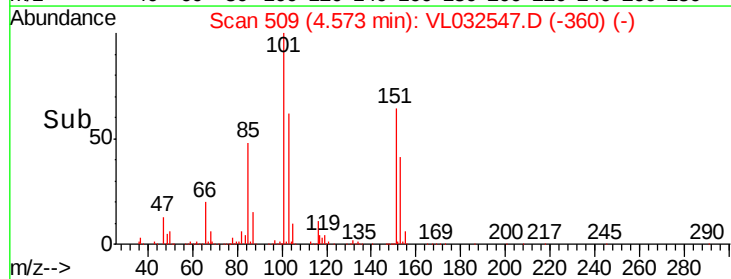
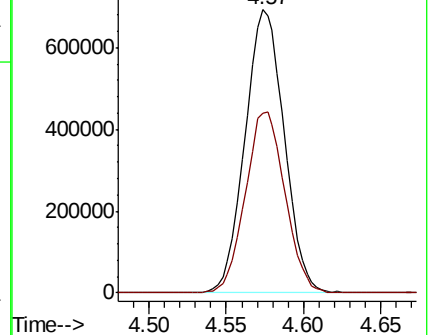
101 100

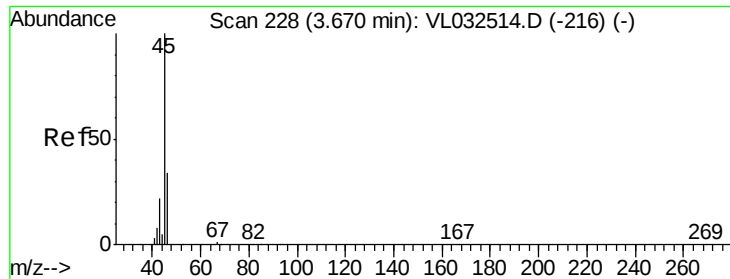
151 64.9 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.696 ppbv

RT: 3.67 min Scan# 227

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

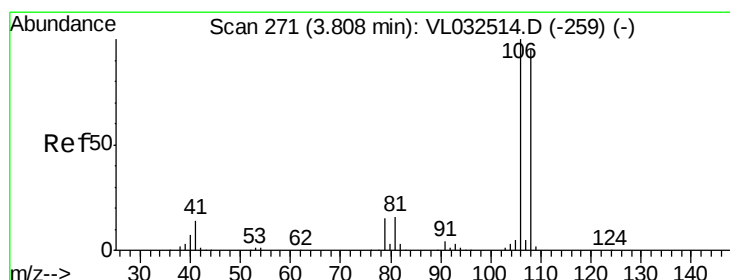
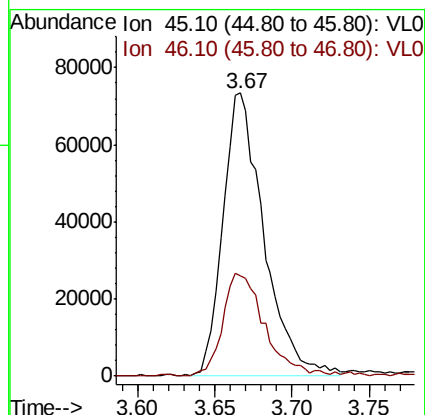
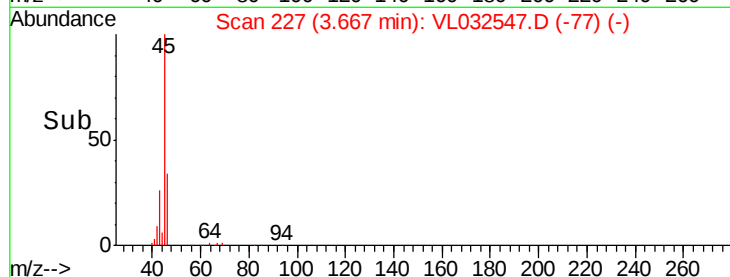
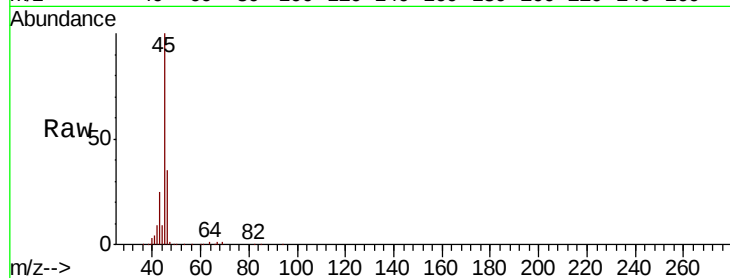
ClientSampleId :

Tot Ion: 45 Resp: 133567

Ion Ratio Lower Upper

45 100

46 38.2 14.2 56.8



#14

Bromoethene

Concen: 9.712 ppbv

RT: 3.81 min Scan# 271

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

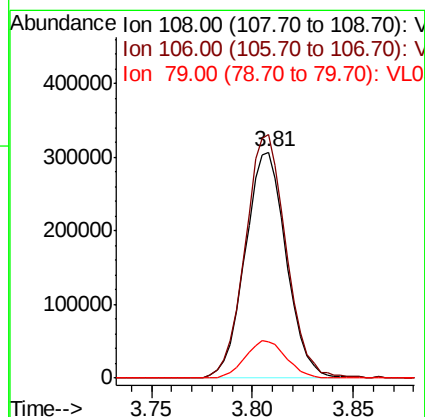
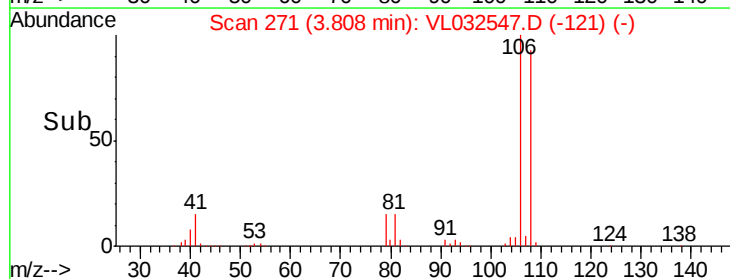
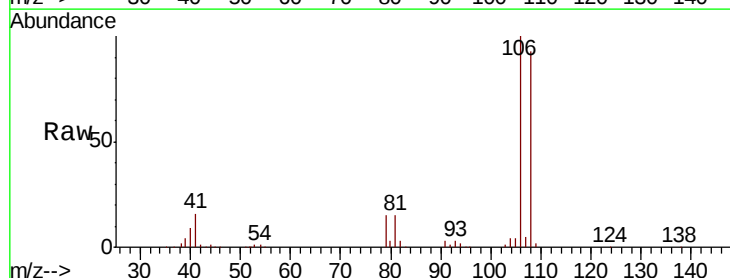
Tgt Ion: 108 Resp: 438630

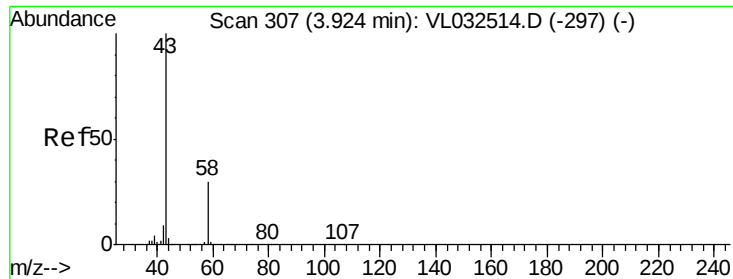
Ion Ratio Lower Upper

108 100

106 108.0 85.5 128.3

79 16.9 13.0 19.6





#15

Acetone

Concen: 9.684 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

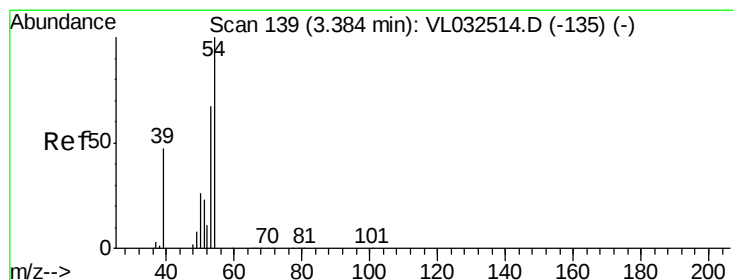
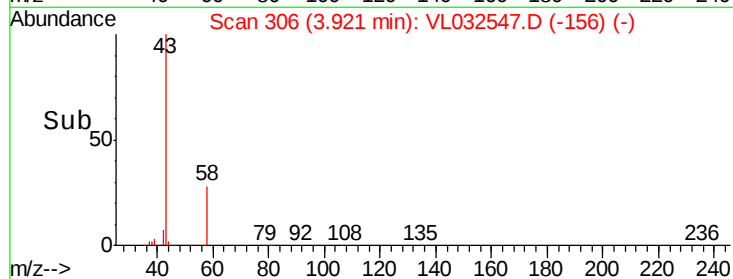
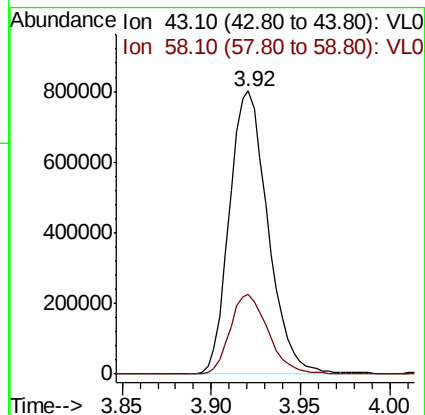
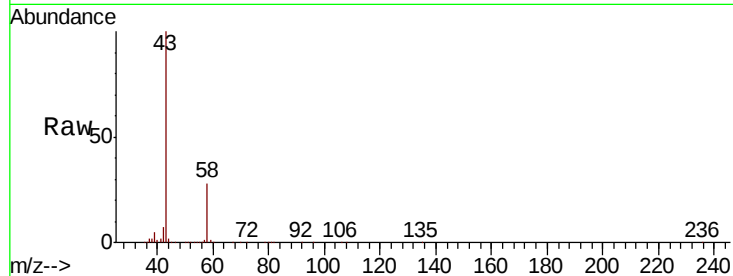
ClientSampleId :

Tot Ion: 43 Resp: 1203781

Ion Ratio Lower Upper

43 100

58 28.1 22.6 33.8



#16

1,3-Butadiene

Concen: 11.044 ppbv

RT: 3.38 min Scan# 138

Delta R.T. -0.02 min

Lab File: VL032547.D

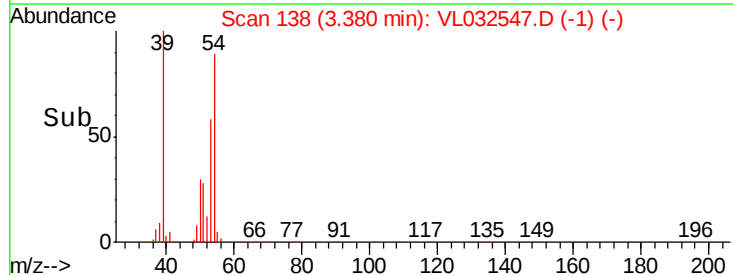
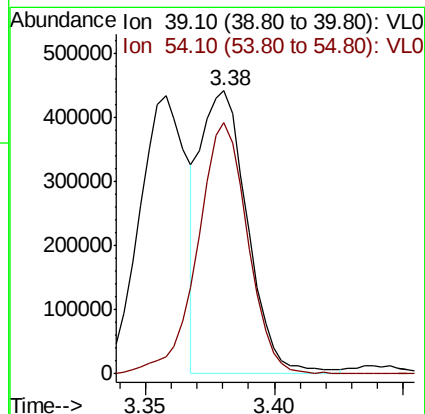
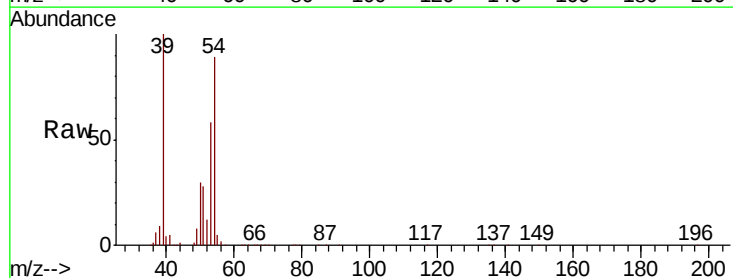
Acq: 25 Sep 2018 16:10

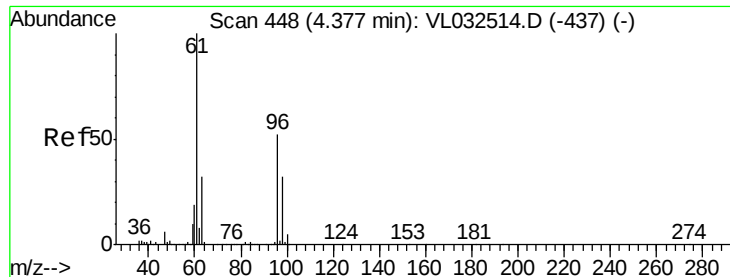
Tgt Ion: 39 Resp: 556790

Ion Ratio Lower Upper

39 100

54 95.5 80.8 121.2





#17

tert-Butyl alcohol

Concen: 12.035 ppbv

RT: 4.38 min Scan# 448

Delta R.T. -0.03 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

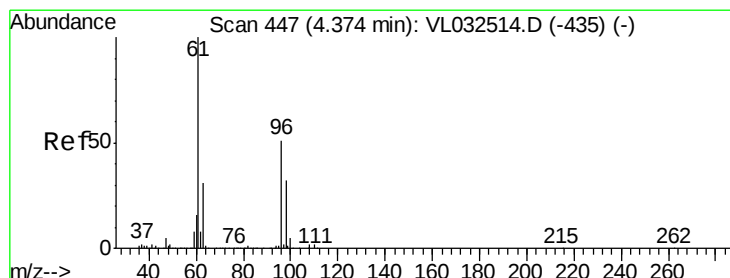
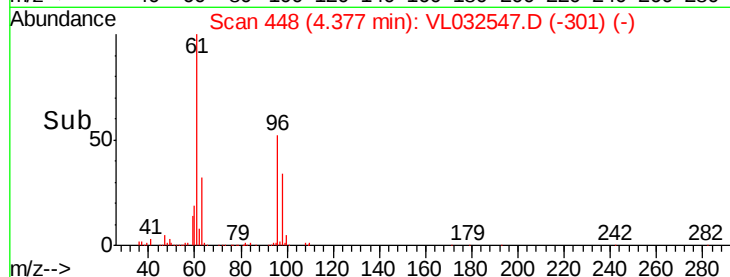
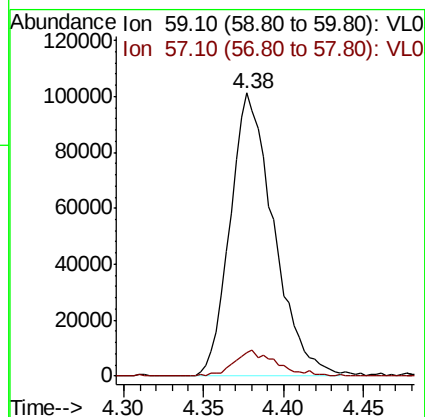
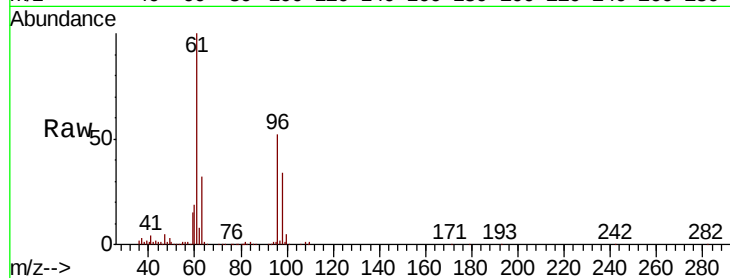
ClientSampleId :

Tot Ion: 59 Resp: 188000

Ion Ratio Lower Upper

59 100

57 9.0 0.0 0.0#



#18

1,1-Dichloroethene

Concen: 9.892 ppbv

RT: 4.37 min Scan# 447

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

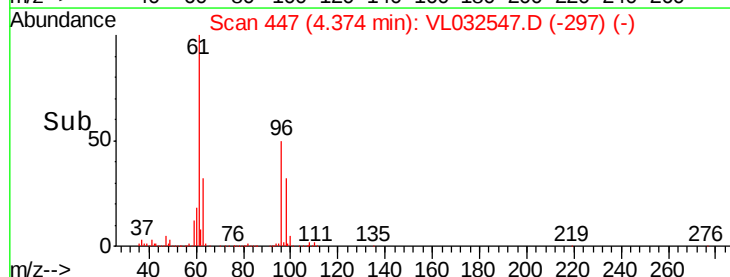
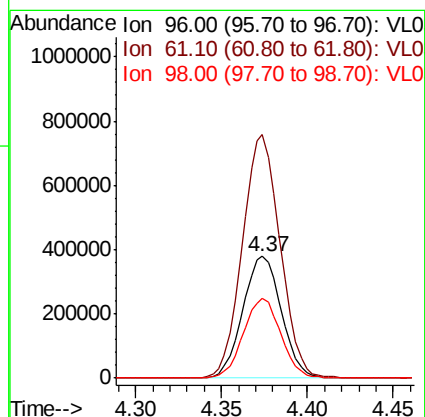
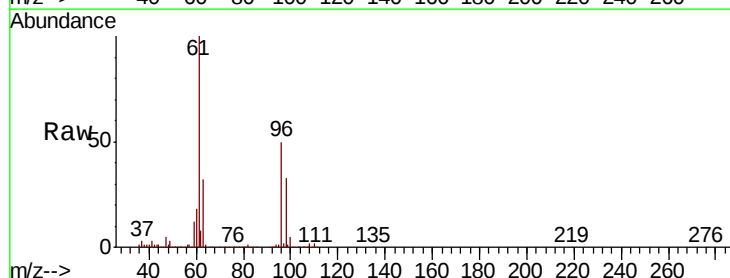
Tgt Ion: 96 Resp: 589693

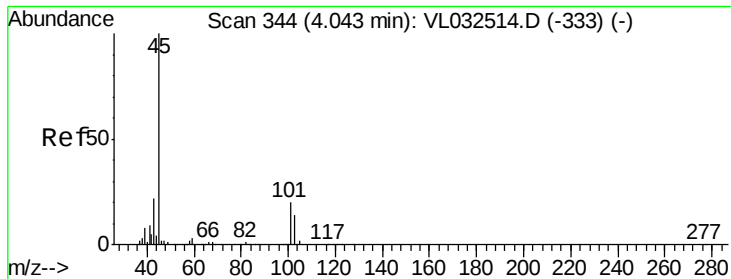
Ion Ratio Lower Upper

96 100

61 199.9 159.2 238.8

98 65.0 51.0 76.4



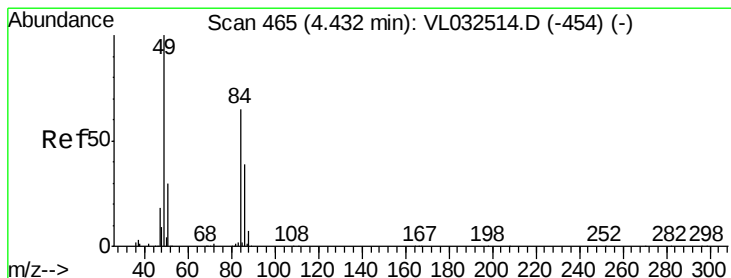
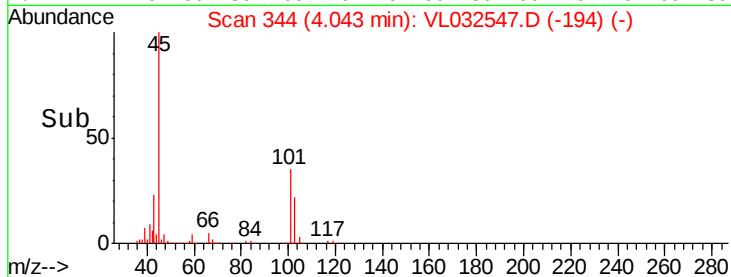
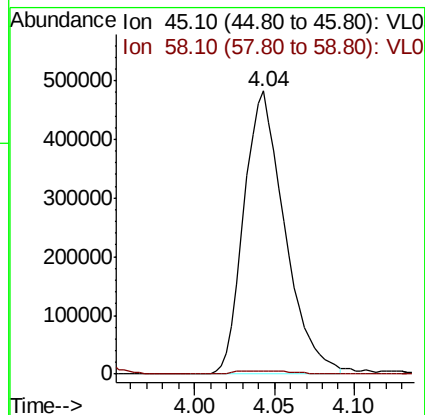
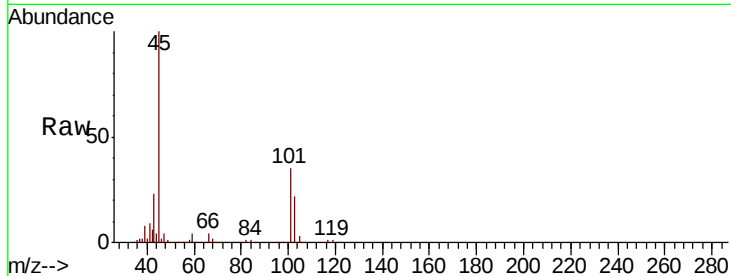


#19

Isopropyl Alcohol
 Concen: 9.702 ppbv
 RT: 4.04 min Scan# 344
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampled :

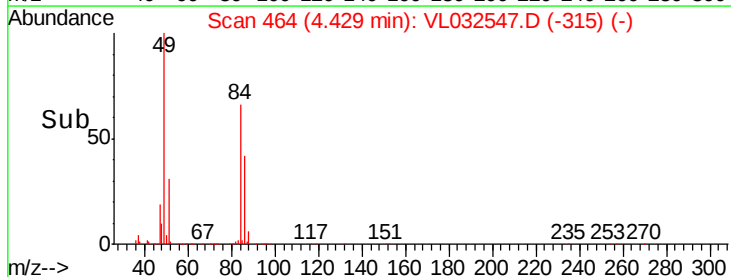
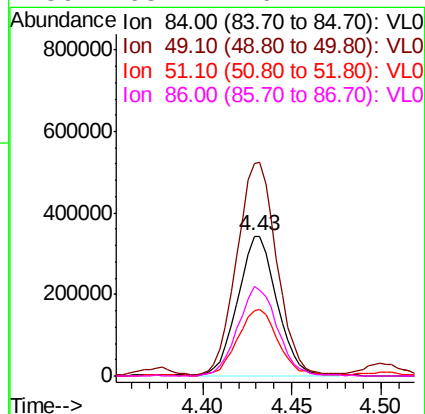
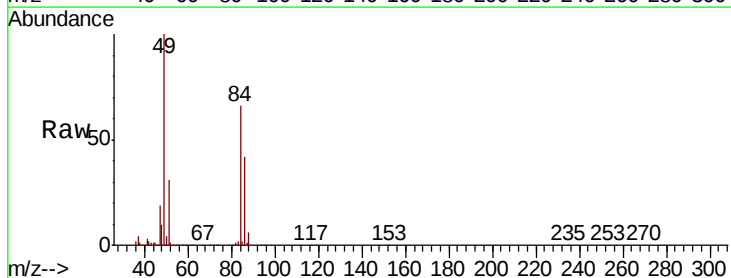
Tot Ion: 45 Resp: 840073
 Ion Ratio Lower Upper
 45 100
 58 1.7 2.0 3.0#

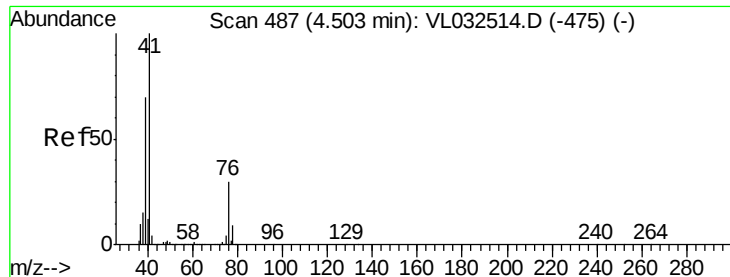


#20

Methylene Chloride
 Concen: 8.695 ppbv
 RT: 4.43 min Scan# 464
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion: 84 Resp: 523404
 Ion Ratio Lower Upper
 84 100
 49 151.0 119.1 178.7
 51 46.8 35.2 52.8
 86 63.7 49.4 74.2

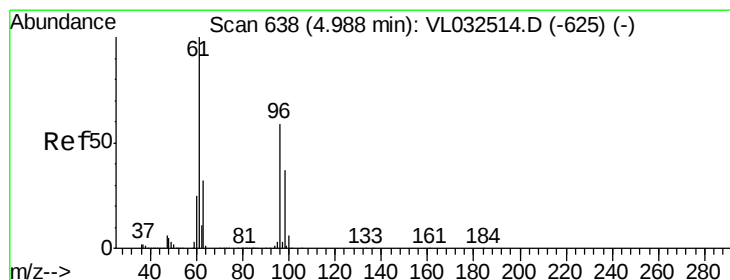
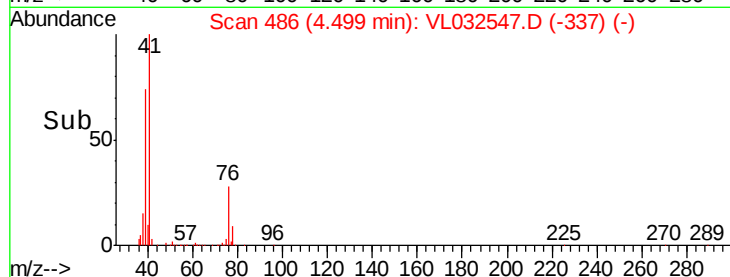
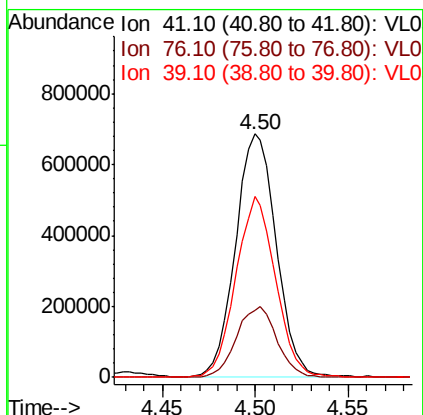
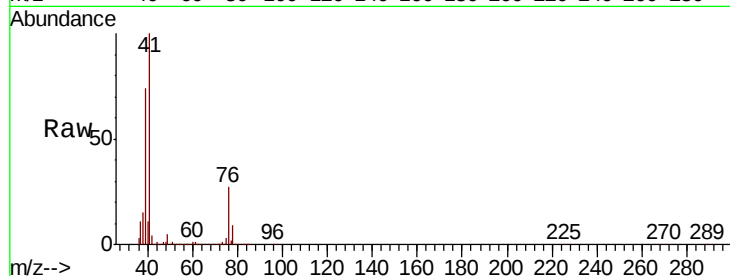




#21
Allvl Chloride
Concen: 10.275 ppbv
RT: 4.50 min Scan# 486
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

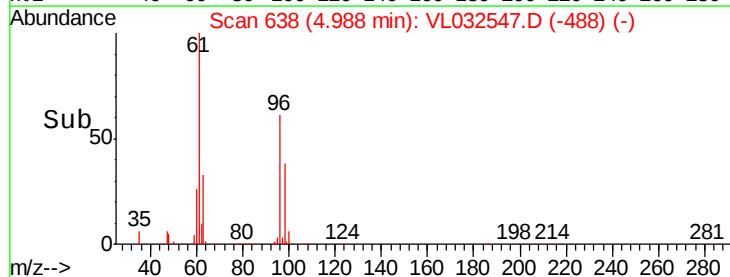
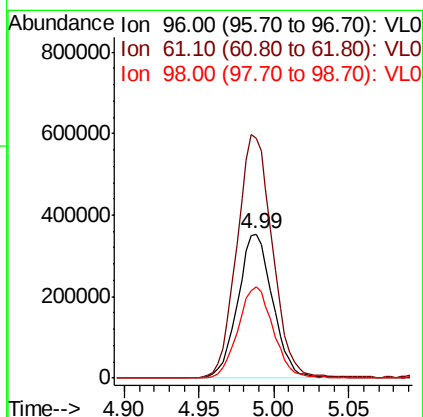
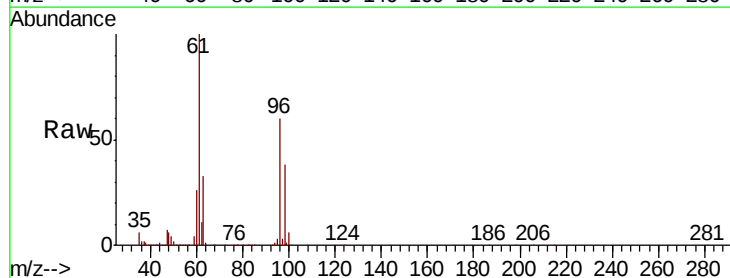
Instrument :
MSVOA_L
ClientSampled :

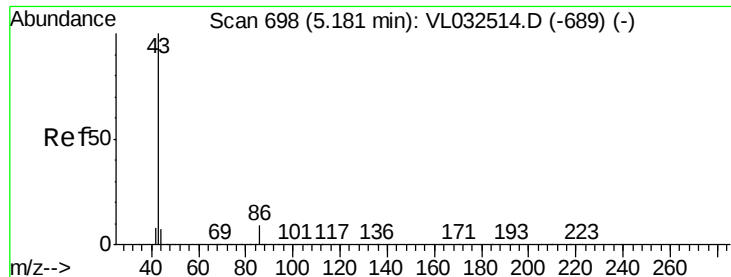
Tot Ion: 41 Resp: 1043906
Ion Ratio Lower Upper
41 100
76 29.1 23.6 35.4
39 72.7 57.7 86.5



#22
trans-1,2-Dichloroethene
Concen: 10.218 ppbv
RT: 4.99 min Scan# 638
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 96 Resp: 574067
Ion Ratio Lower Upper
96 100
61 166.2 136.2 204.4
98 62.9 50.4 75.6





#23

Vinyl Acetate

Concen: 11.330 ppbv

RT: 5.18 min Scan# 697

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

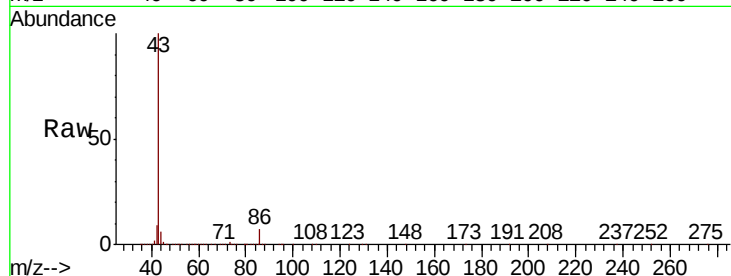
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2488878

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.9	8.9
42	8.9	6.9	10.3
44	5.3	4.6	7.0

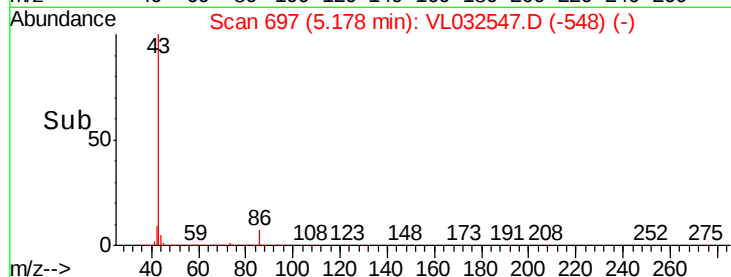


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->

5.18

2000000

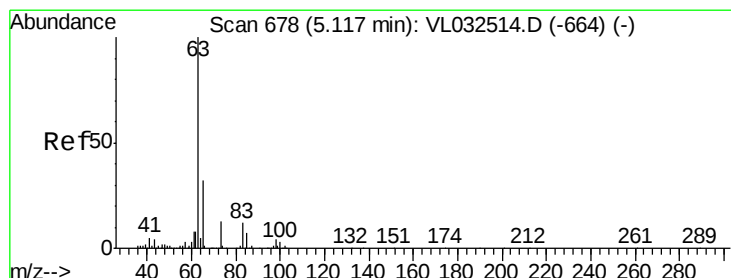
1500000

1000000

500000

0

5.15 5.20 5.25



#24

1,1-Dichloroethane

Concen: 9.882 ppbv

RT: 5.12 min Scan# 678

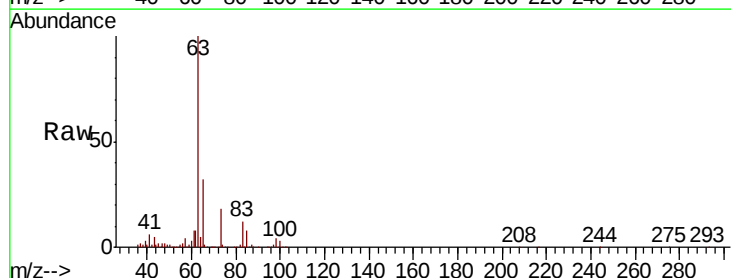
Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion: 63 Resp: 1807574

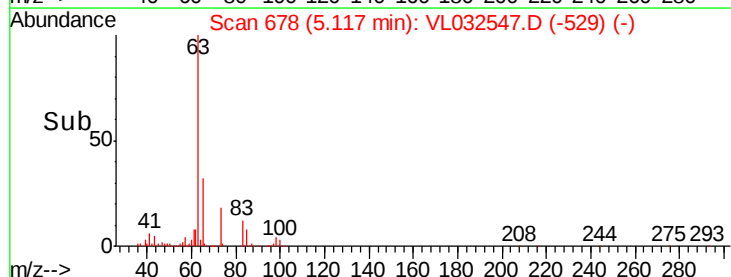
Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.8	1.5	4.4



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



Time-->

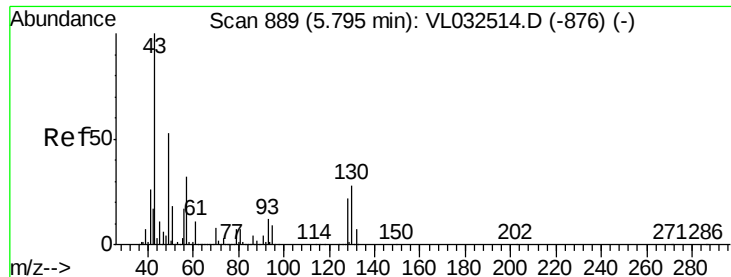
5.12

1000000

500000

0

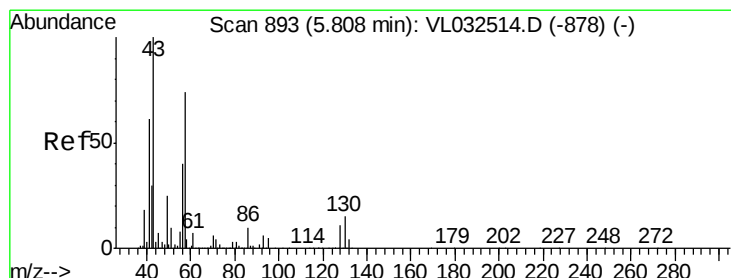
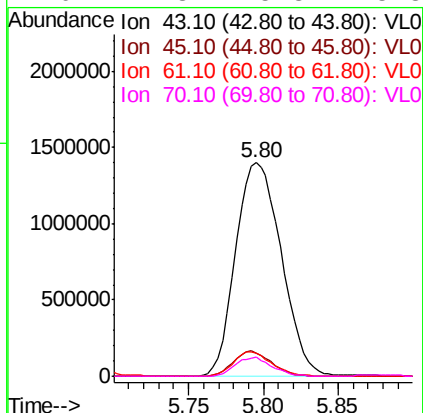
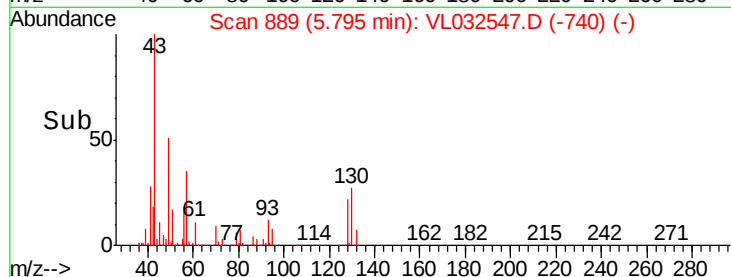
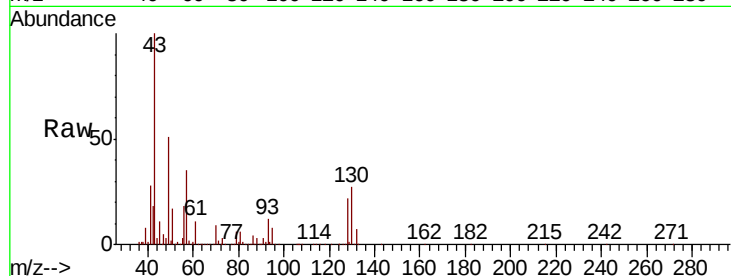
5.05 5.10 5.15 5.20



#25
Ethyl Acetate
Concen: 9.855 ppbv
RT: 5.80 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

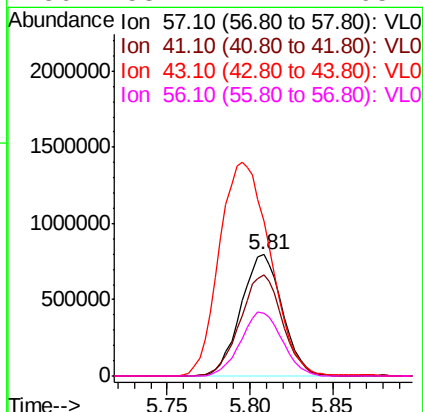
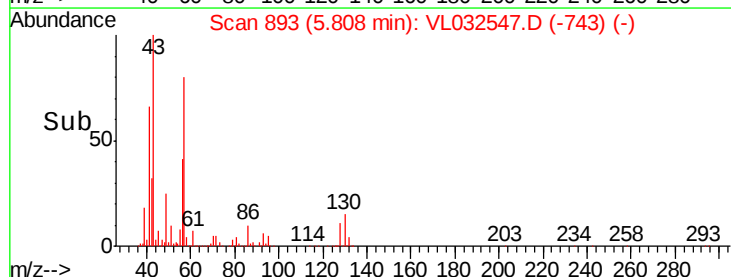
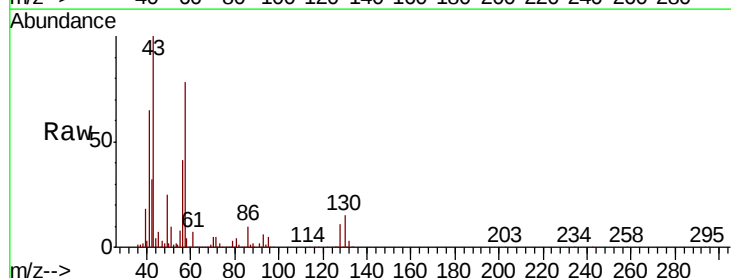
Instrument :
MSVOA_L
ClientSampleId :

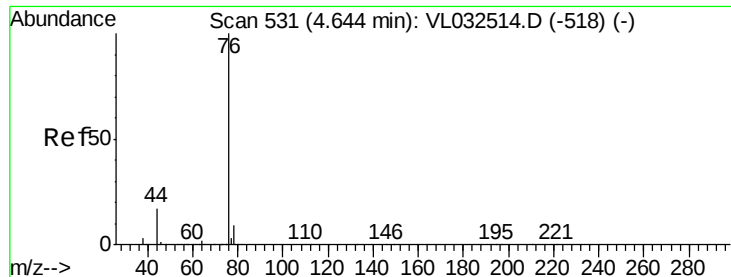
Tot Ion:	43	Resp:	2972829
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.8	7.6	11.4
70	7.3	5.8	8.8



#26
Hexane
Concen: 10.128 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion:	57	Resp:	1379896
Ion	Ratio	Lower	Upper
57	100		
41	86.1	69.0	103.4
43	216.7	172.1	258.1
56	53.1	42.2	63.2

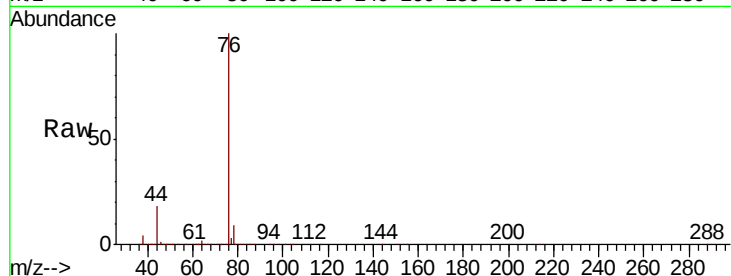




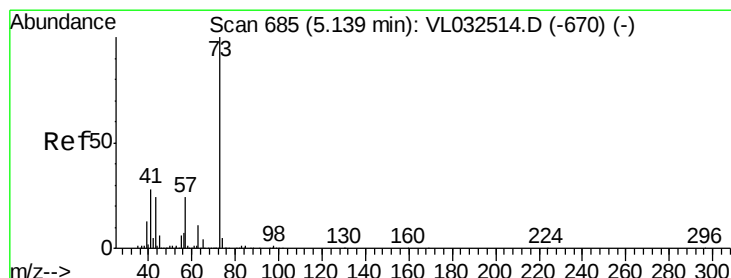
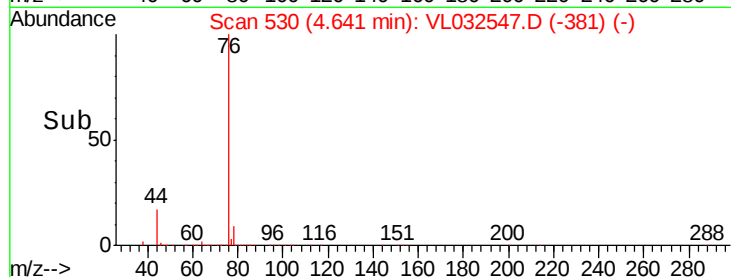
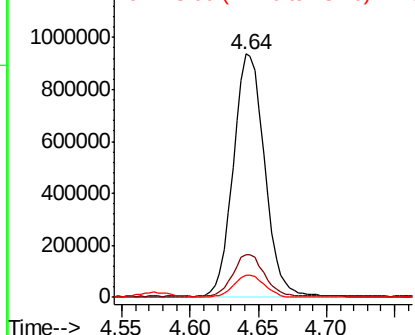
#27
Carbon Disulfide
Concen: 10.253 ppbv
RT: 4.64 min Scan# 530
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 76 Resp: 1501818
Ion Ratio Lower Upper
76 100
44 17.3 14.0 21.0
78 9.3 7.5 11.3

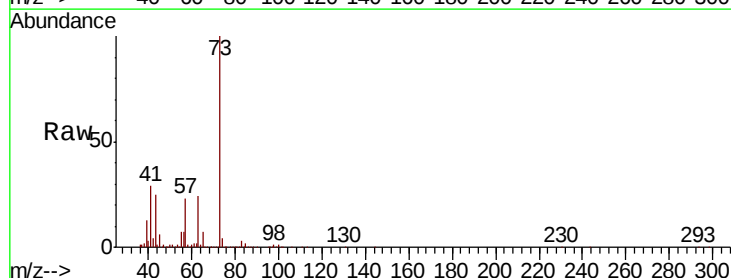


Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

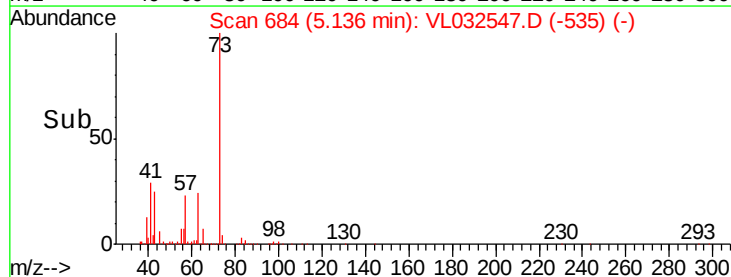
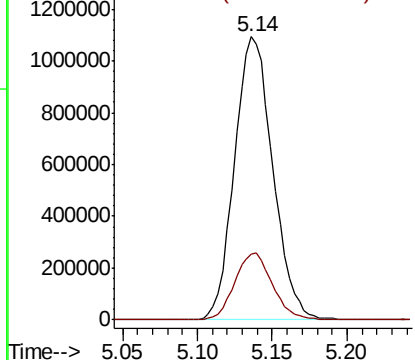


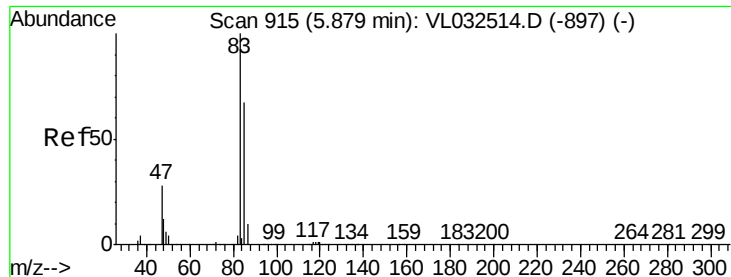
#28
Methyl tert-Butyl Ether
Concen: 11.466 ppbv
RT: 5.14 min Scan# 684
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 73 Resp: 1946084
Ion Ratio Lower Upper
73 100
57 23.3 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

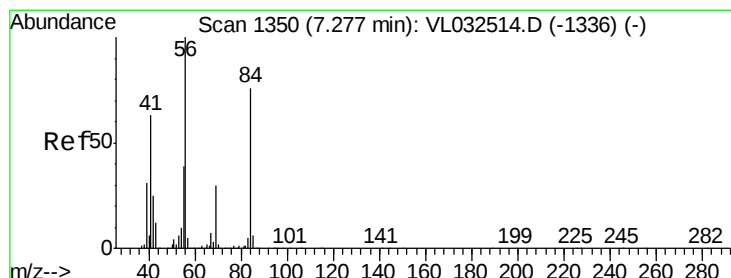
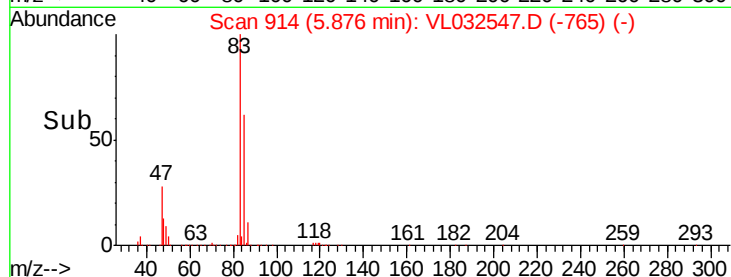
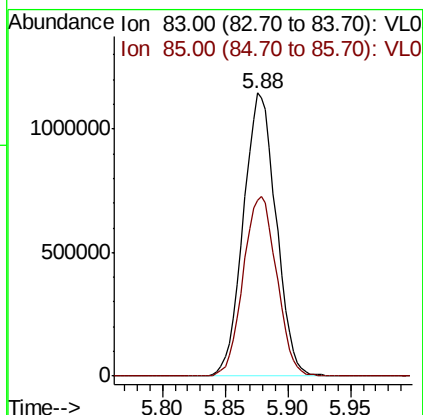
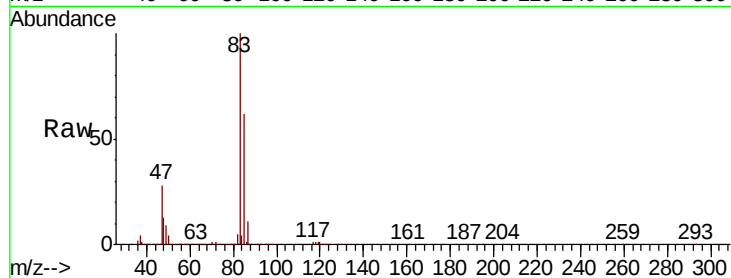




#29
Chloroform
Concen: 9.952 ppbv
RT: 5.88 min Scan# 914
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

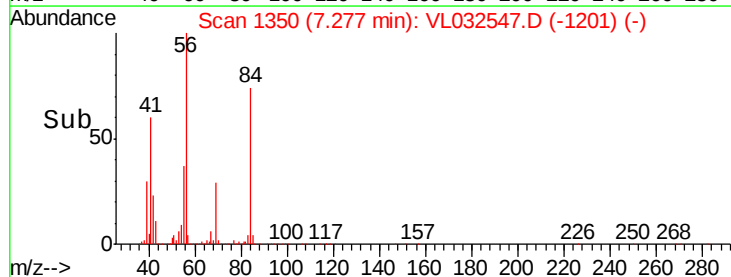
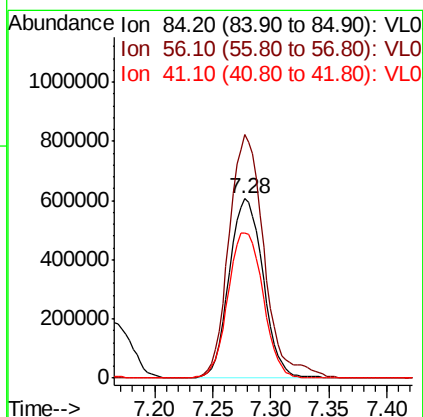
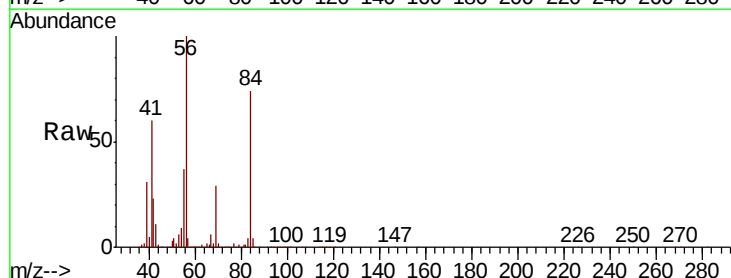
Instrument :
MSVOA_L
ClientSampleId :

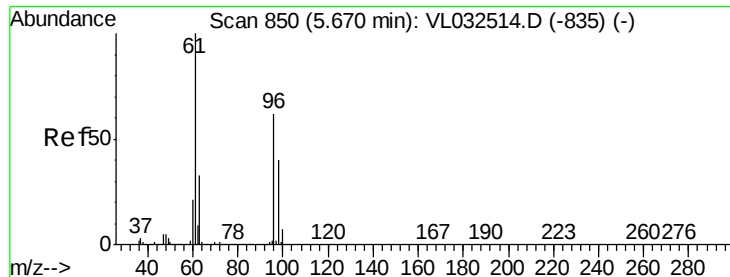
Tot Ion: 83 Resp: 2080630
Ion Ratio Lower Upper
83 100
85 61.9 52.5 78.7



#30
Cyclohexane
Concen: 11.138 ppbv
RT: 7.28 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 84 Resp: 1235651
Ion Ratio Lower Upper
84 100
56 140.6 113.5 170.3
41 83.3 68.1 102.1



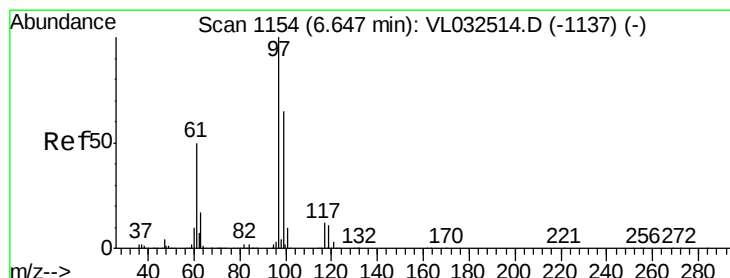
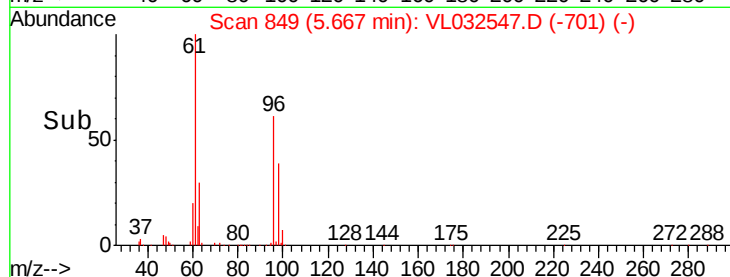
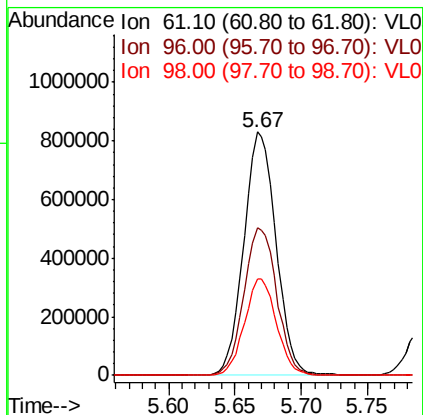
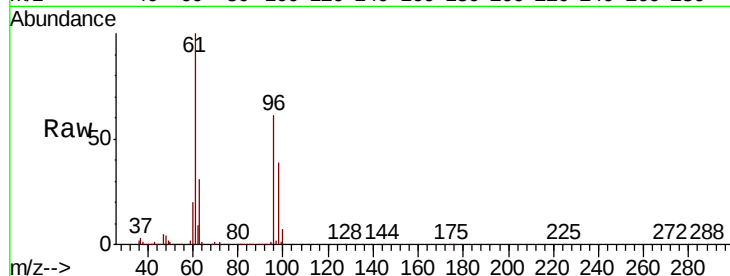


#31

cis-1,2-Dichloroethene
Concen: 10.821 ppbv
RT: 5.67 min Scan# 849
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampled :

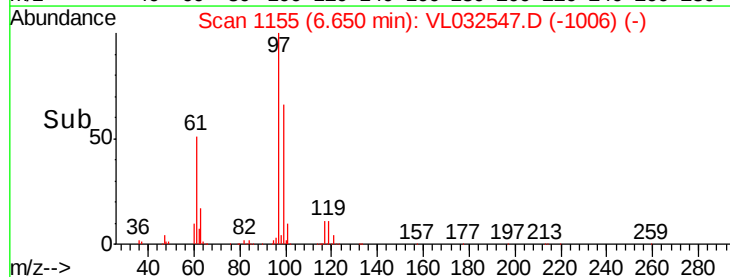
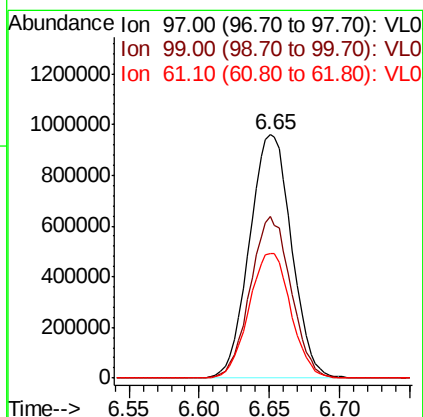
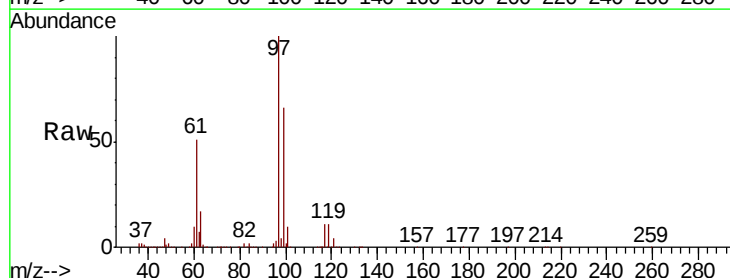
Tot Ion: 61 Resp: 1404226
Ion Ratio Lower Upper
61 100
96 60.9 49.2 73.8
98 39.4 30.7 46.1

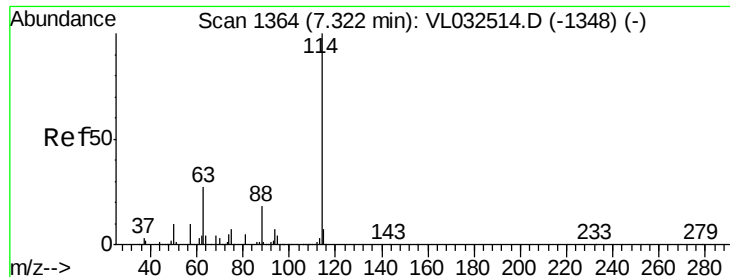


#32

1,1,1-Trichloroethane
Concen: 8.979 ppbv
RT: 6.65 min Scan# 1155
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 97 Resp: 2000432
Ion Ratio Lower Upper
97 100
99 64.4 52.1 78.1
61 51.5 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.33 min Scan# 1365

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

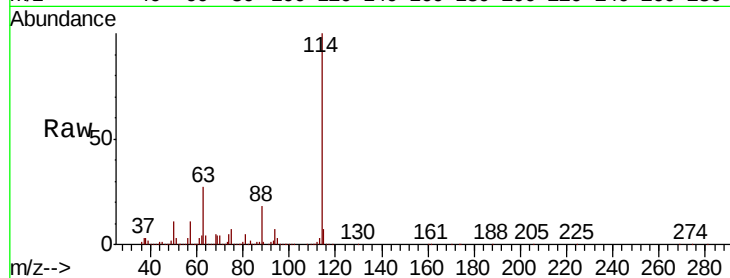
Tot Ion:114 Resp: 3285248

Ion Ratio Lower Upper

114 100

63 27.4 22.2 33.4

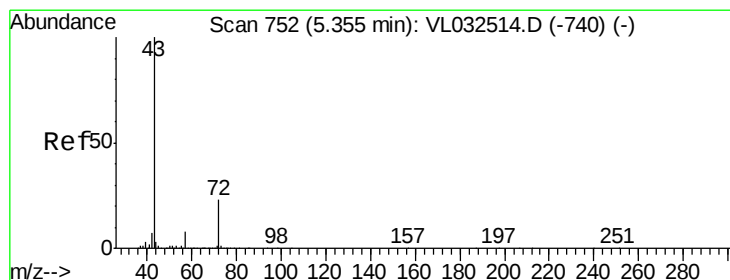
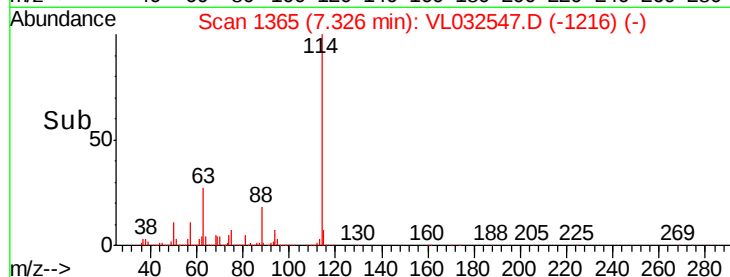
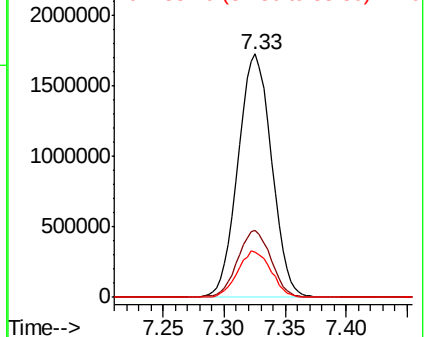
88 18.8 15.0 22.4



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.636 ppbv

RT: 5.35 min Scan# 752

Delta R.T. -0.02 min

Lab File: VL032547.D

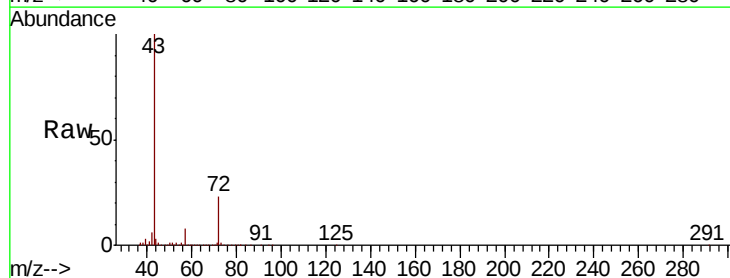
Acq: 25 Sep 2018 16:10

Tgt Ion: 43 Resp: 2080812

Ion Ratio Lower Upper

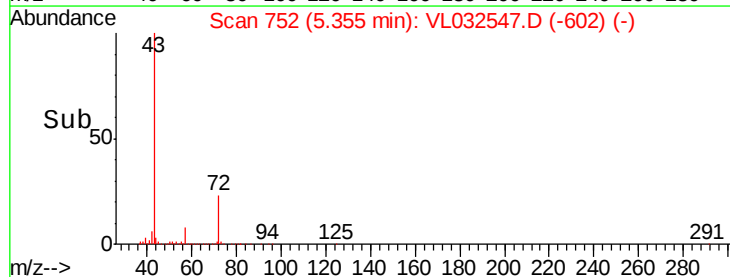
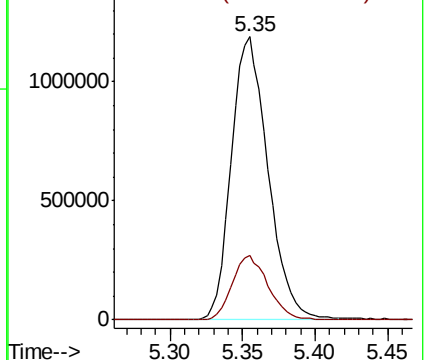
43 100

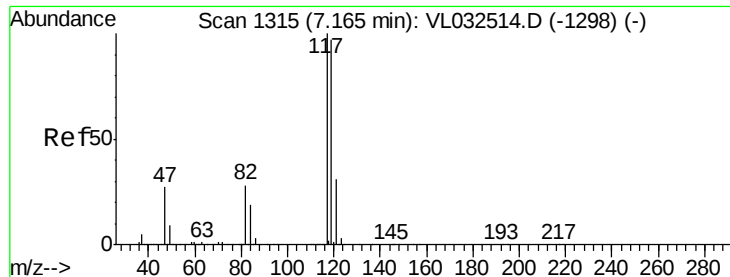
72 22.4 17.8 26.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.233 ppbv

RT: 7.17 min Scan# 1316

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

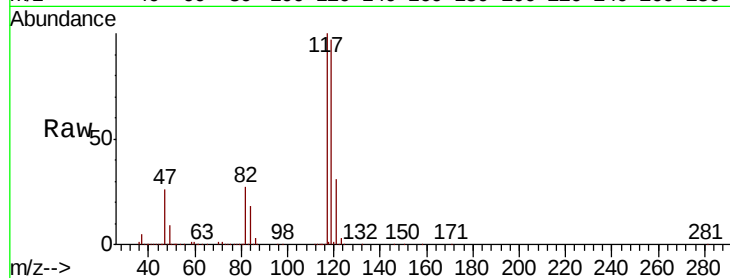
Tot Ion:117 Resp: 2107676

Ion Ratio Lower Upper

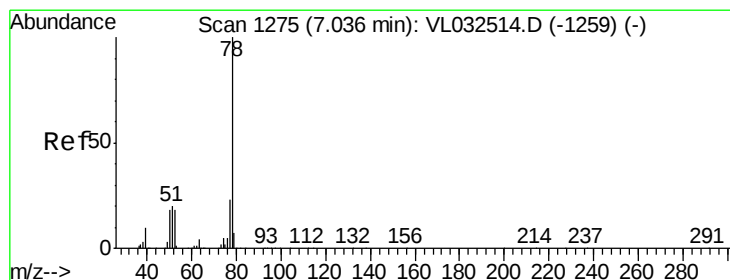
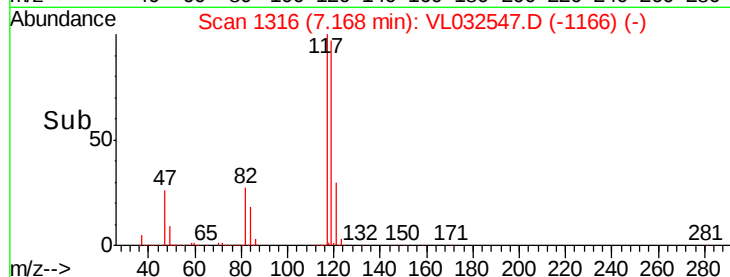
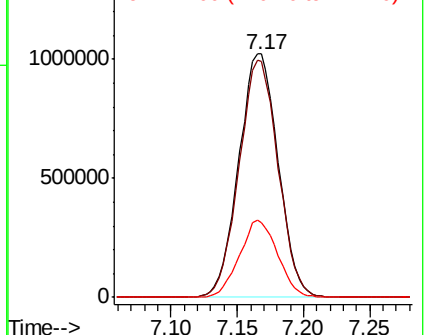
117 100

119 96.8 76.6 115.0

121 30.6 24.6 36.8



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: 10.821 ppbv

RT: 7.04 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

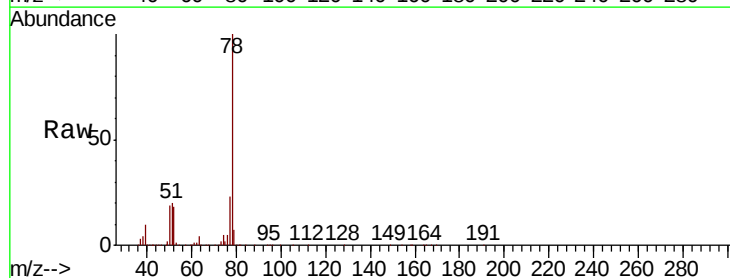
Tgt Ion: 78 Resp: 2873052

Ion Ratio Lower Upper

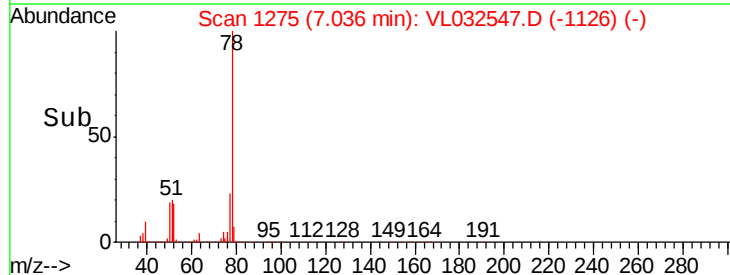
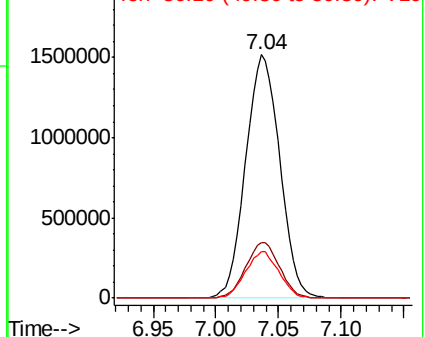
78 100

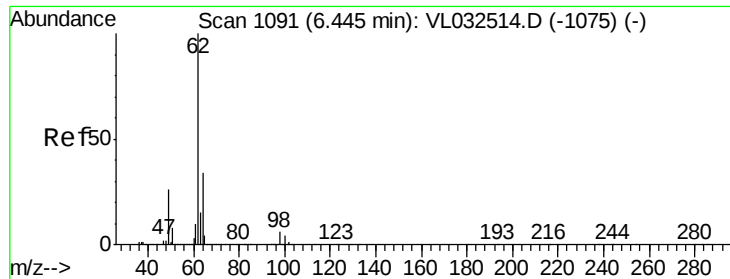
77 22.8 18.4 27.6

50 19.3 14.4 21.6



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

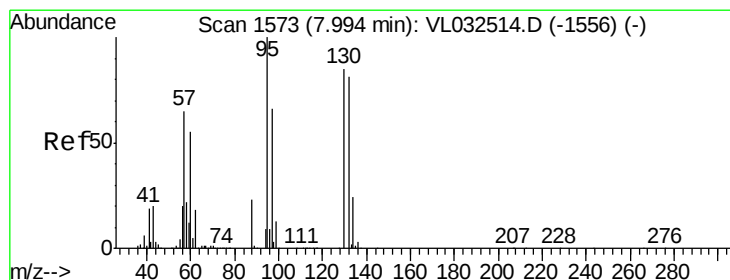
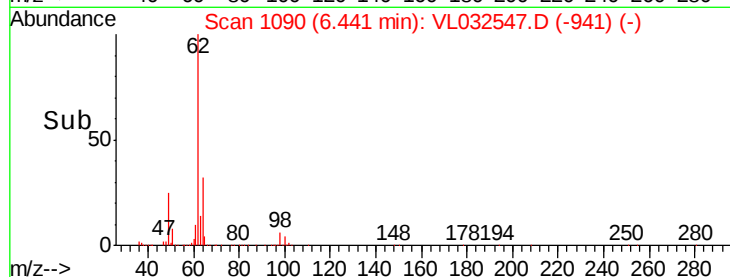
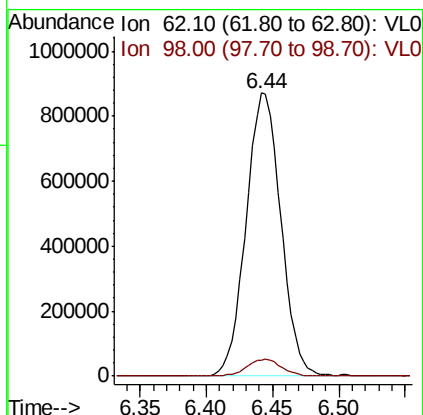
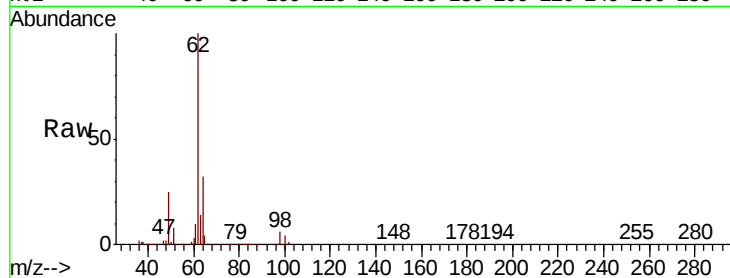




#37
 1,2-Dichloroethane
 Concen: 9.920 ppbv
 RT: 6.44 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

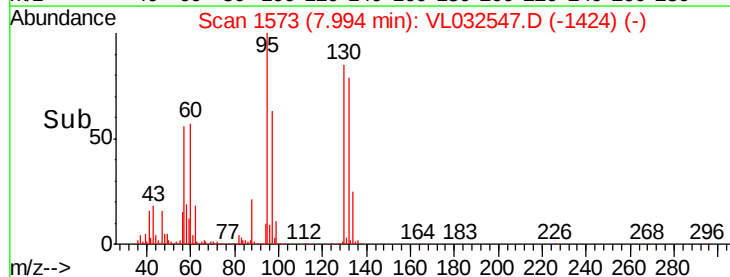
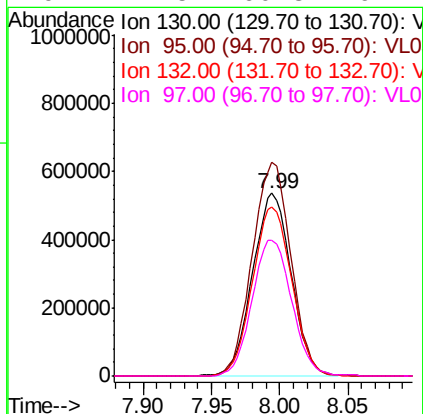
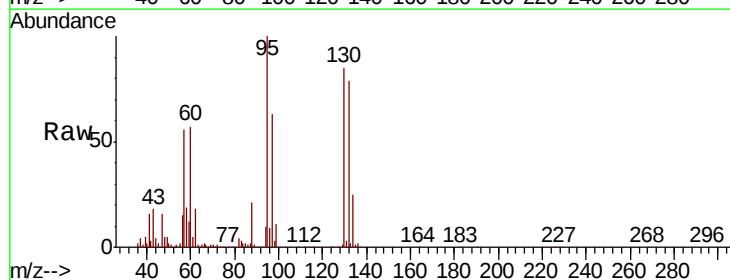
Instrument :
 MSVOA_L
 ClientSampleId :

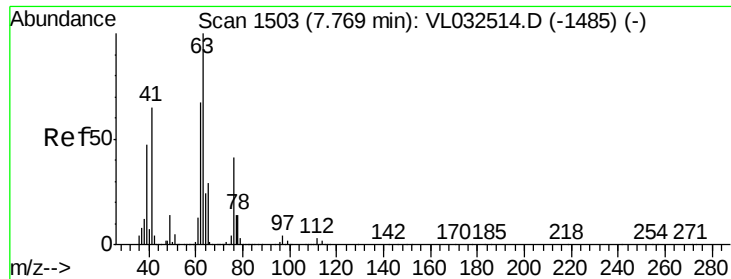
Tot Ion: 62 Resp: 1587291
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.0 7.6



#38
 Trichloroethene
 Concen: 10.287 ppbv
 RT: 7.99 min Scan# 1573
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion: 130 Resp: 1045422
 Ion Ratio Lower Upper
 130 100
 95 117.3 94.2 141.4
 132 92.5 76.2 114.4
 97 74.5 60.8 91.2



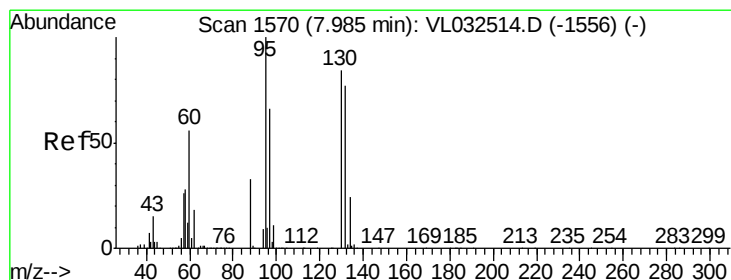
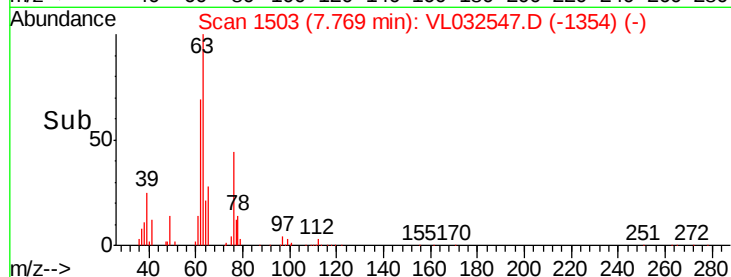
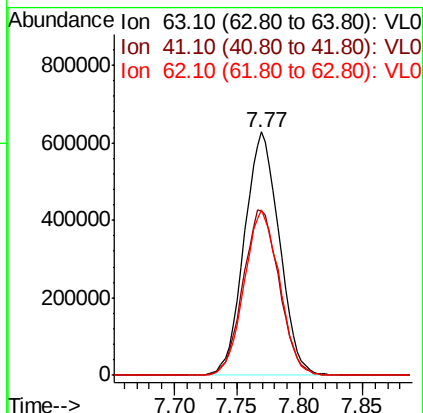
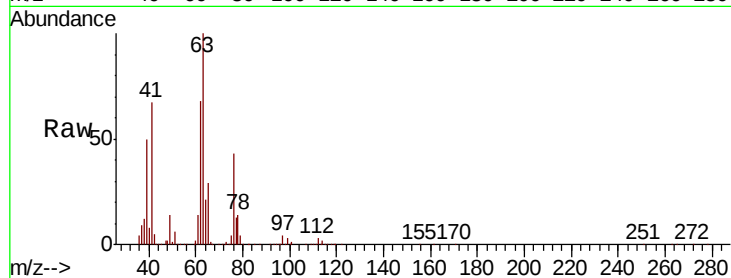


#39
 1,2-Dichloropropane
 Concen: 10.204 ppbv
 RT: 7.77 min Scan# 1503
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion: 63 Resp: 1220878

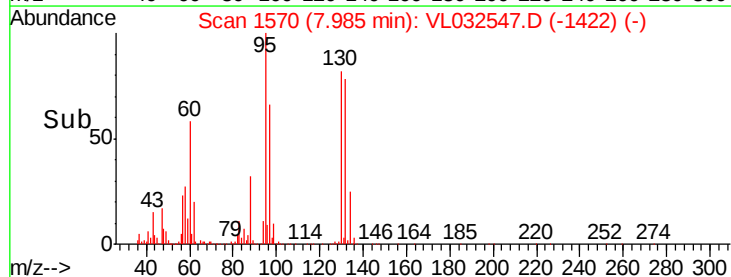
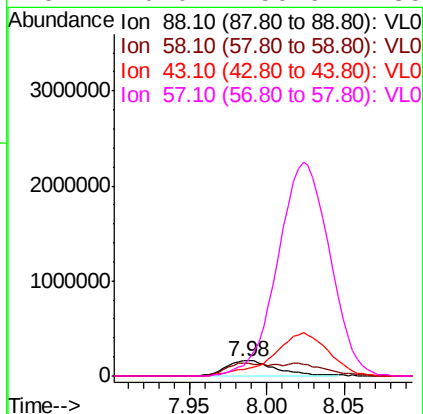
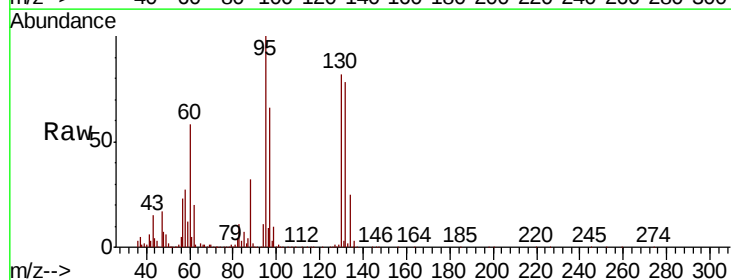
Ion	Ratio	Lower	Upper
63	100		
41	67.1	55.4	83.0
62	68.0	55.4	83.0

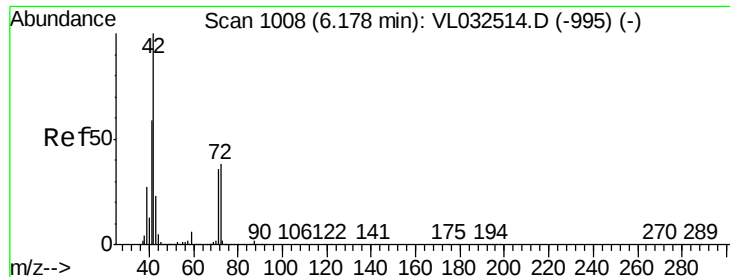


#40
 1,4-Dioxane
 Concen: 9.743 ppbv
 RT: 7.98 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion: 88 Resp: 357434

Ion	Ratio	Lower	Upper
88	100		
58	150.8	119.7	179.5
43	0.0	253.0	379.4#
57	0.0	1156.9	1735.3#





#41

Tetrahydrofuran

Concen: 12.083 ppbv

RT: 6.18 min Scan# 1008

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

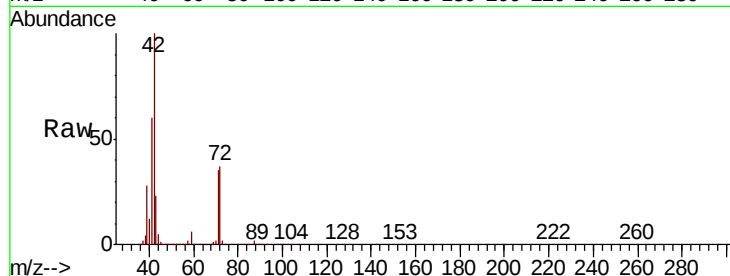
Tot Ion: 42 Resp: 1284282

Ion Ratio Lower Upper

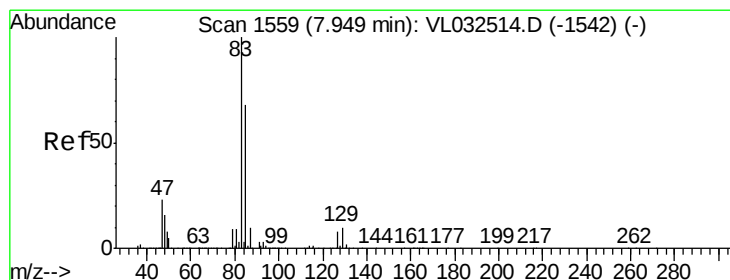
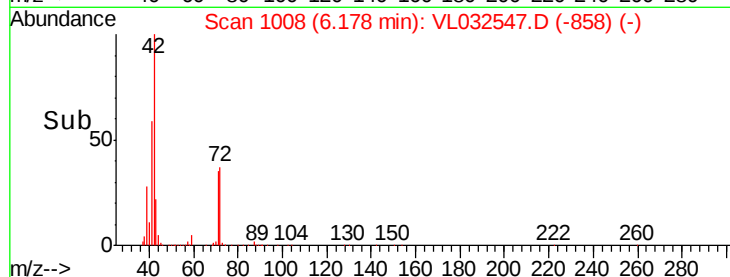
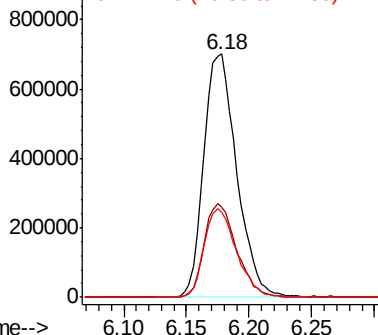
42 100

72 37.8 29.5 44.3

71 35.8 28.3 42.5



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 9.822 ppbv

RT: 7.95 min Scan# 1560

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

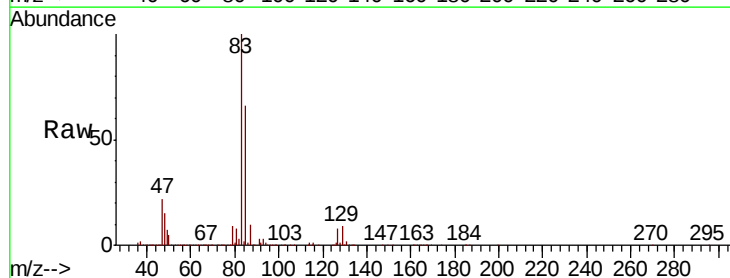
Tgt Ion: 83 Resp: 2354377

Ion Ratio Lower Upper

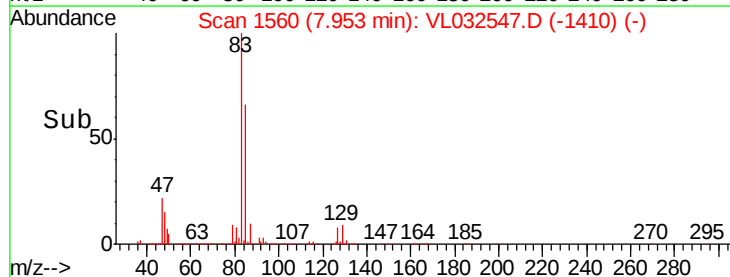
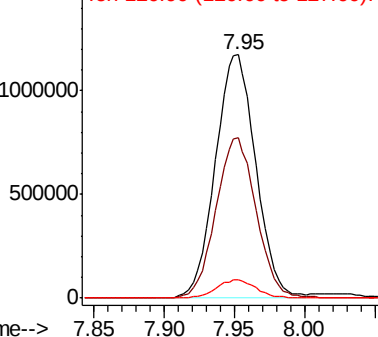
83 100

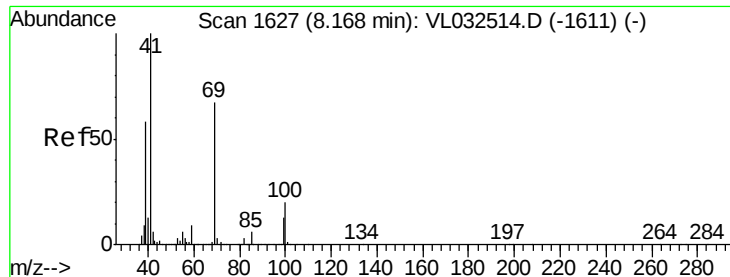
85 65.8 51.1 76.7

127 7.5 5.8 8.8



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): V

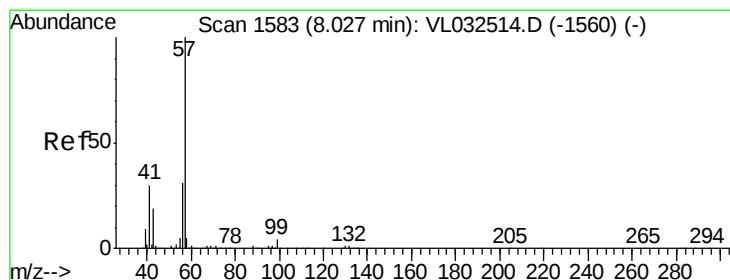
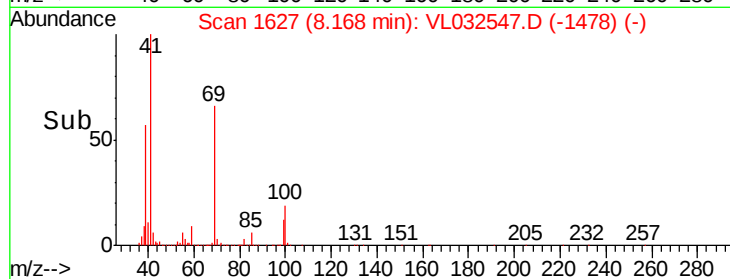
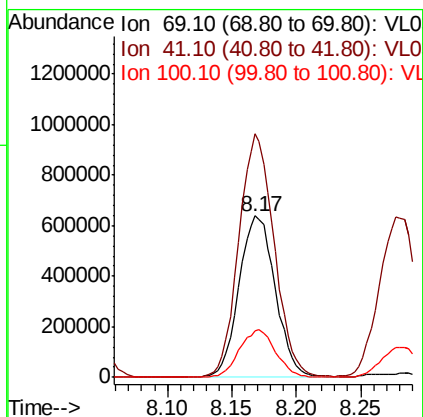
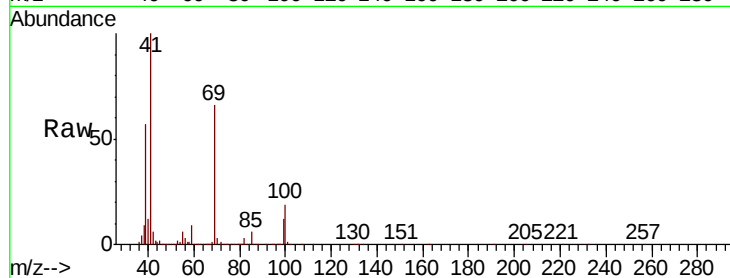




#43
Methvl Methacrilate
Concen: 11.317 ppbv
RT: 8.17 min Scan# 1627
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

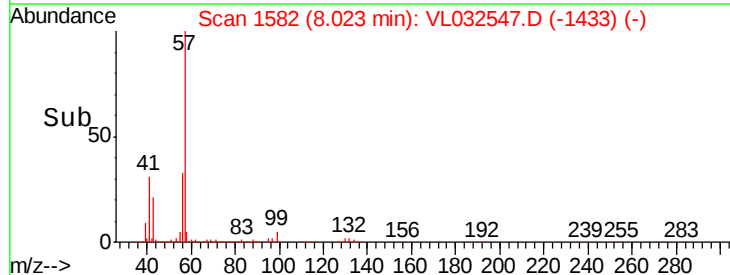
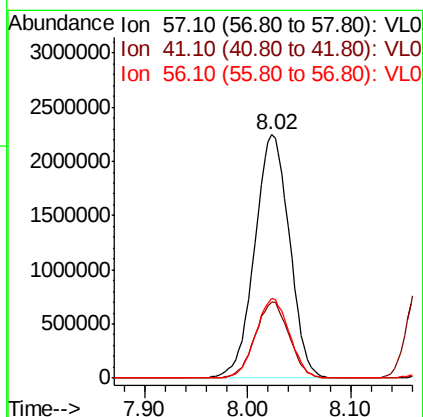
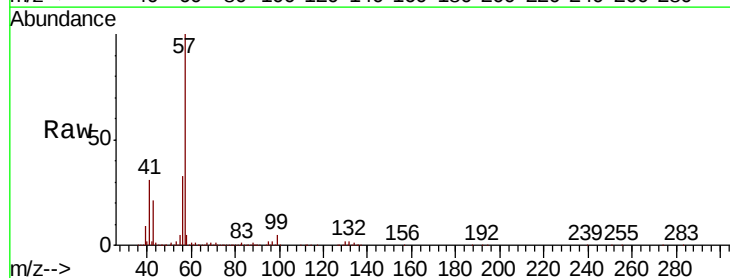
Instrument :
MSVOA_L
ClientSampleId :

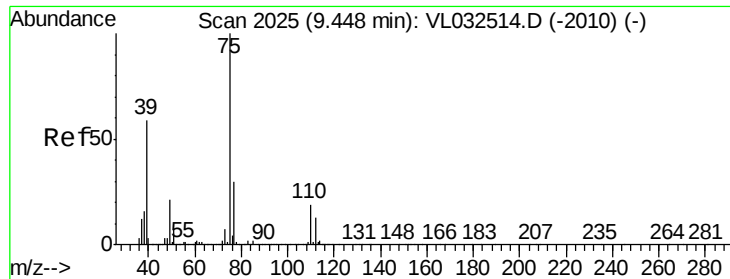
Tot Ion: 69 Resp: 1255146
Ion Ratio Lower Upper
69 100
41 146.2 117.1 175.7
100 29.2 23.4 35.2



#44
2,2,4-Trimethylpentane
Concen: 10.142 ppbv
RT: 8.02 min Scan# 1582
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 57 Resp: 5262494
Ion Ratio Lower Upper
57 100
41 30.5 24.4 36.6
56 31.7 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.081 ppbv

RT: 9.45 min Scan# 2026

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

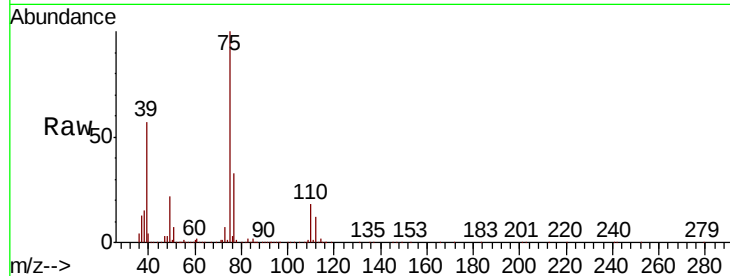
ClientSampleId :

Tot Ion: 75 Resp: 1666720

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.45

800000

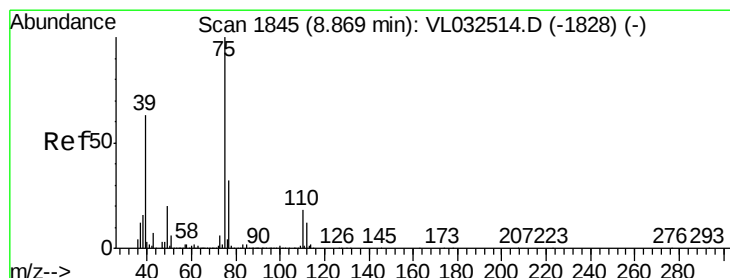
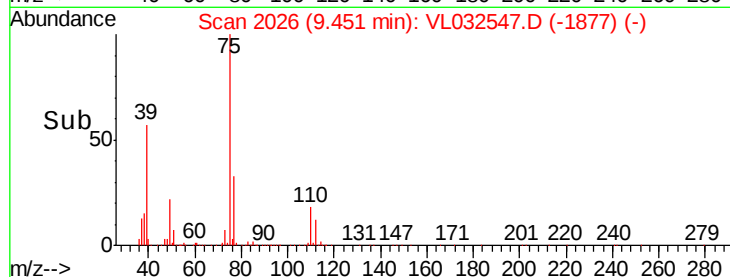
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.991 ppbv

RT: 8.87 min Scan# 1845

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

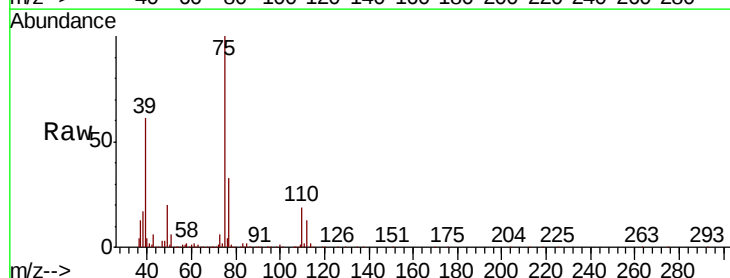
Tgt Ion: 75 Resp: 1778591

Ion Ratio Lower Upper

75 100

39 61.0 48.9 73.3

77 32.8 25.4 38.0



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

1200000

1000000

800000

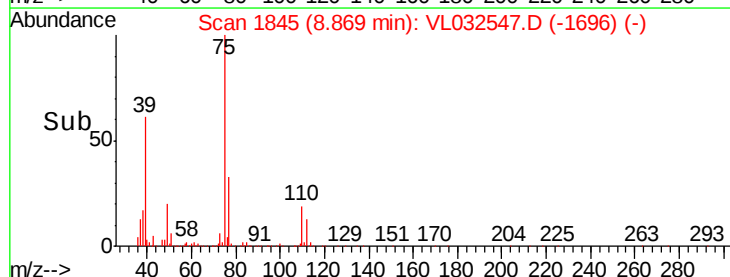
600000

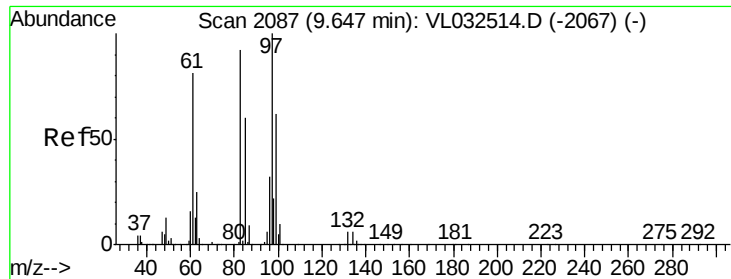
400000

200000

0

Time-->





#47

1,1,2-Trichloroethane

Concen: 9.730 ppbv

RT: 9.65 min Scan# 2088

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 97 Resp: 1293027

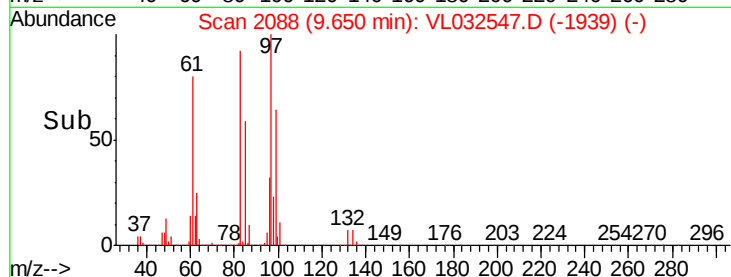
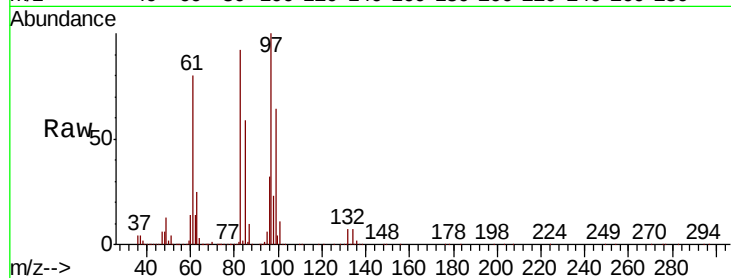
Ion	Ratio	Lower	Upper
97	100		
83	91.8	75.0	112.4
85	59.2	47.5	71.3
99	64.2	49.0	73.6

97 100

83 91.8 75.0 112.4

85 59.2 47.5 71.3

99 64.2 49.0 73.6

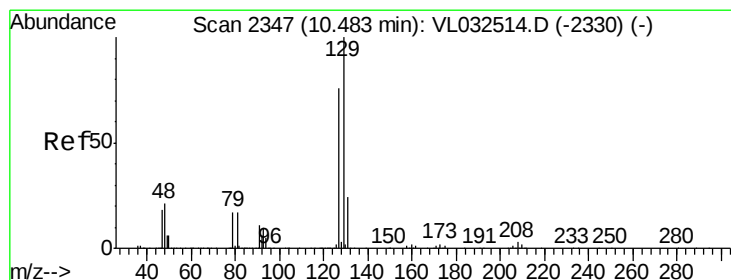
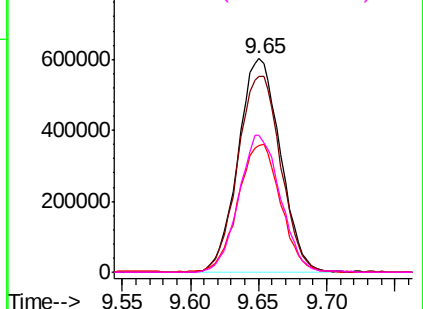


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.162 ppbv

RT: 10.49 min Scan# 2348

Delta R.T. -0.02 min

Lab File: VL032547.D

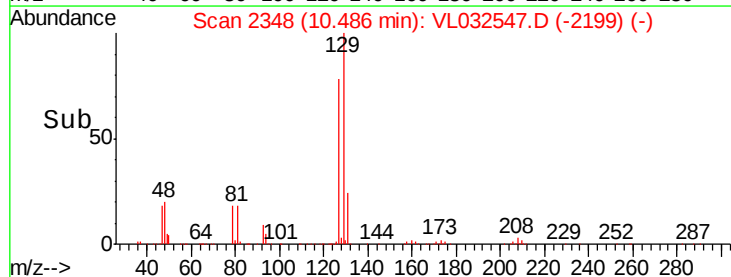
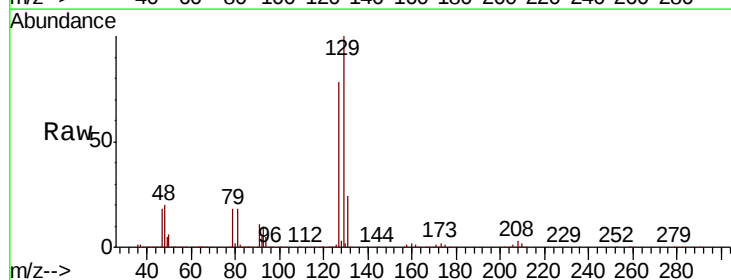
Acq: 25 Sep 2018 16:10

Tgt Ion: 129 Resp: 2123415

Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.5	118.3

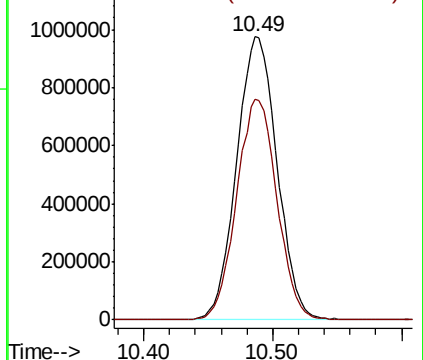
129 100

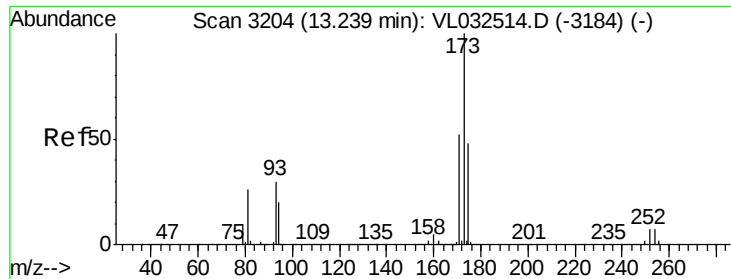
127 78.4 39.5 118.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 9.910 ppbv

RT: 13.24 min Scan# 3205

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

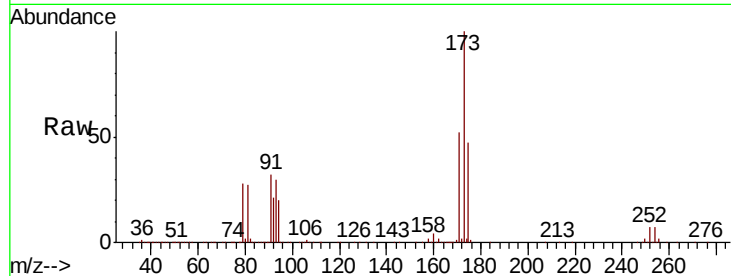
Tot Ion:173 Resp: 1582201

Ion Ratio Lower Upper

173 100

175 48.5 38.9 58.3

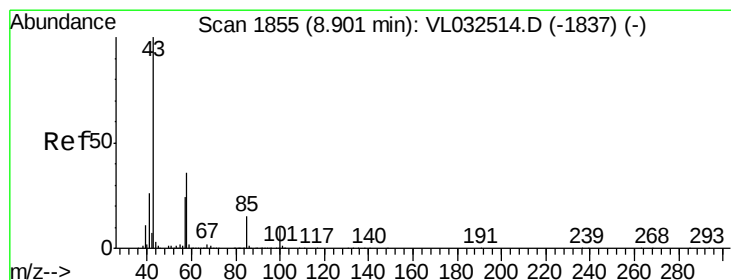
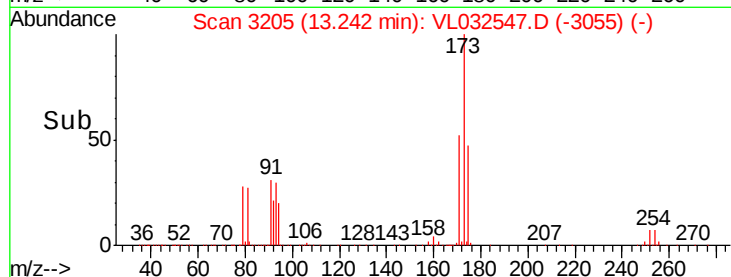
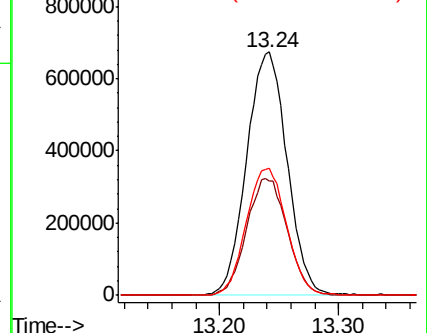
171 52.3 41.6 62.4



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: 9.950 ppbv

RT: 8.90 min Scan# 1856

Delta R.T. -0.02 min

Lab File: VL032547.D

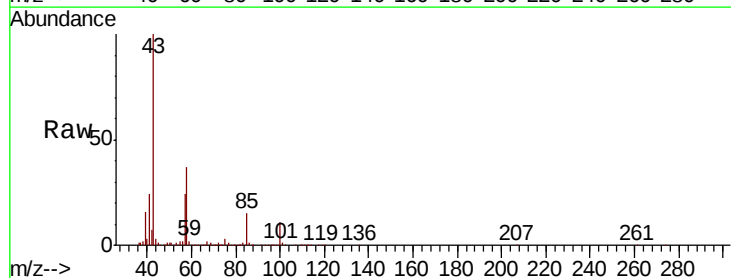
Acq: 25 Sep 2018 16:10

Tgt Ion: 43 Resp: 3059809

Ion Ratio Lower Upper

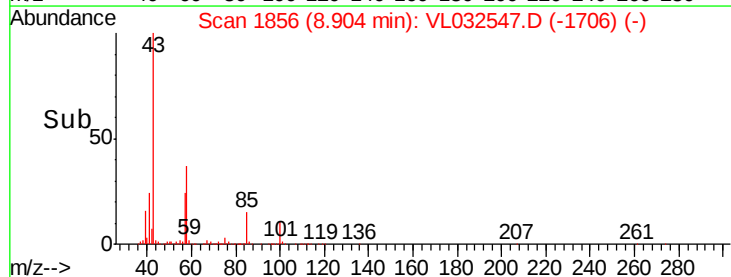
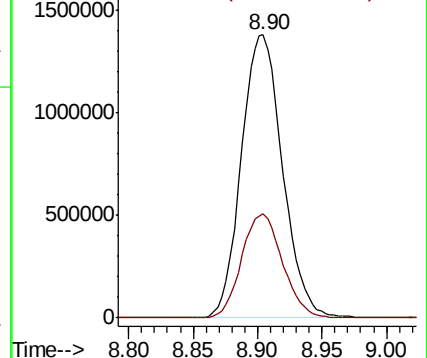
43 100

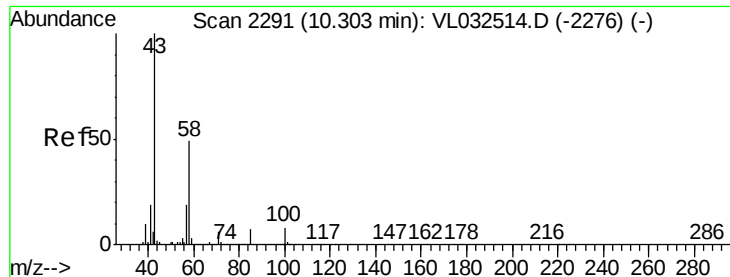
58 36.6 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

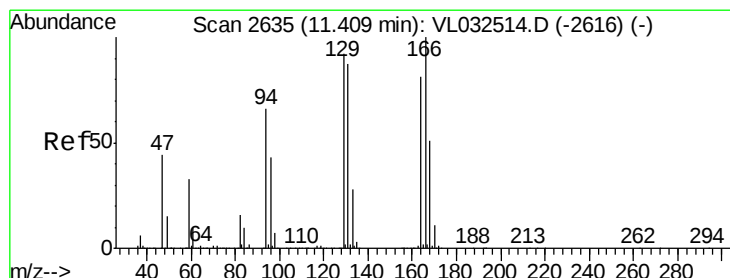
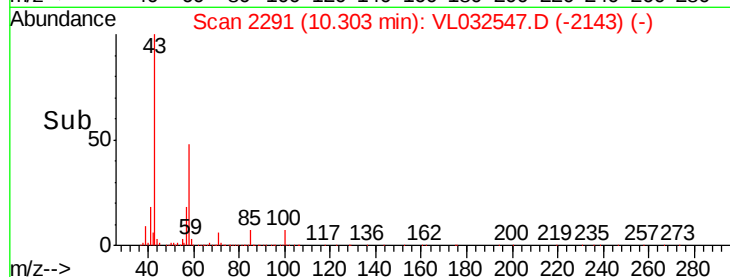
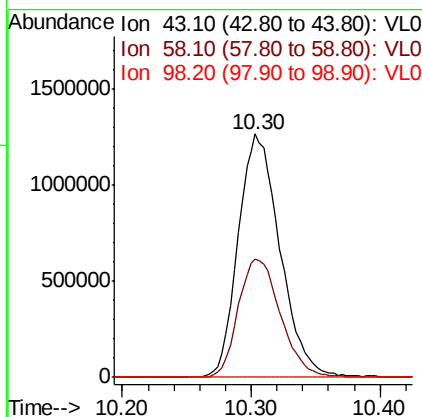
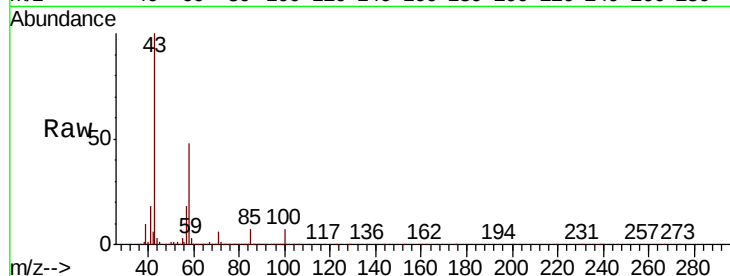




#51
2-Hexanone
Concen: 11.171 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

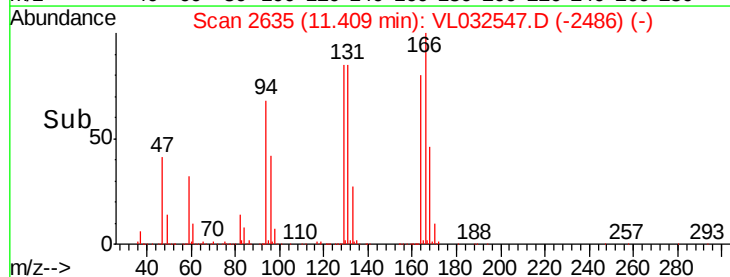
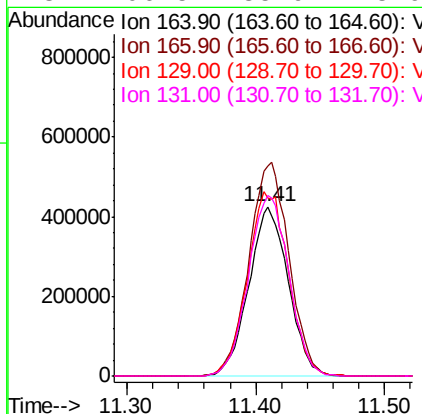
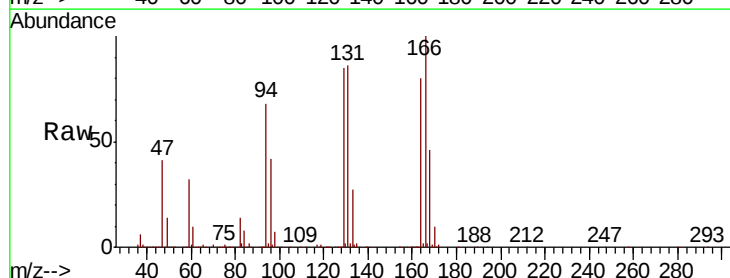
Instrument :
MSVOA_L
ClientSampleId :

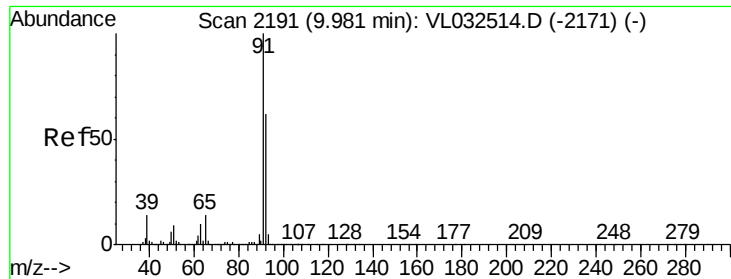
Tot Ion: 43 Resp: 2841075
Ion Ratio Lower Upper
43 100
58 49.4 39.2 58.8
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 9.775 ppbv
RT: 11.41 min Scan# 2635
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 164 Resp: 903659
Ion Ratio Lower Upper
164 100
166 124.4 100.6 150.8
129 105.0 89.9 134.9
131 106.5 85.9 128.9





#53

Toluene

Concen: 11.290 ppbv

RT: 9.98 min Scan# 2191

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

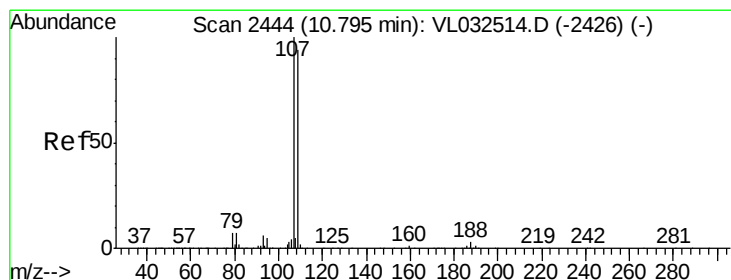
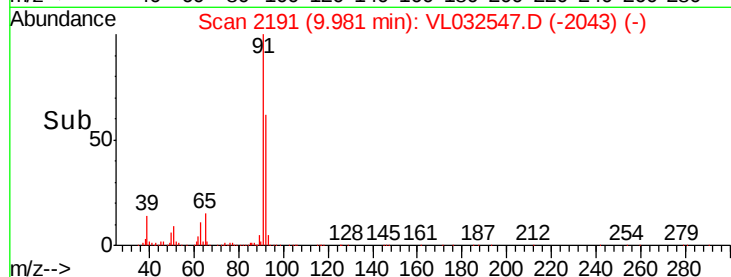
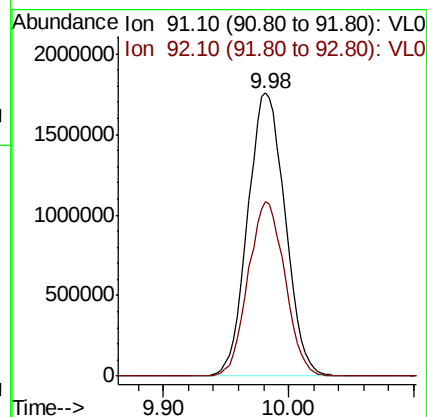
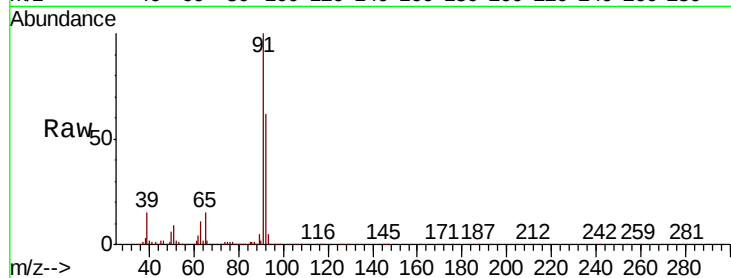
ClientSampleId :

Tot Ion: 91 Resp: 3652814

Ion Ratio Lower Upper

91 100

92 60.7 48.1 72.1



#54

1,2-Dibromoethane

Concen: 10.342 ppbv

RT: 10.79 min Scan# 2444

Delta R.T. -0.02 min

Lab File: VL032547.D

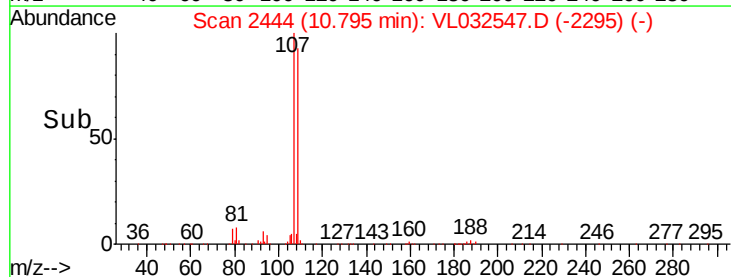
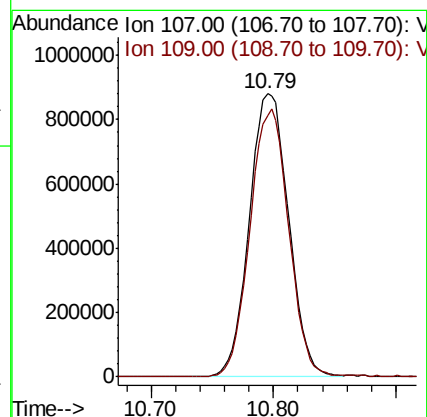
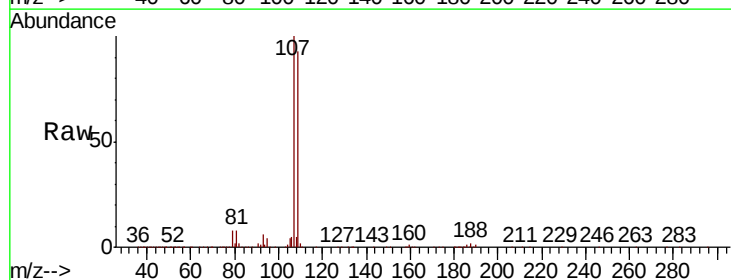
Acq: 25 Sep 2018 16:10

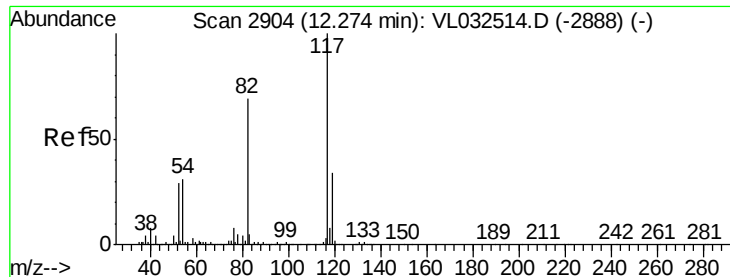
Tgt Ion: 107 Resp: 1954768

Ion Ratio Lower Upper

107 100

109 92.6 73.9 110.9

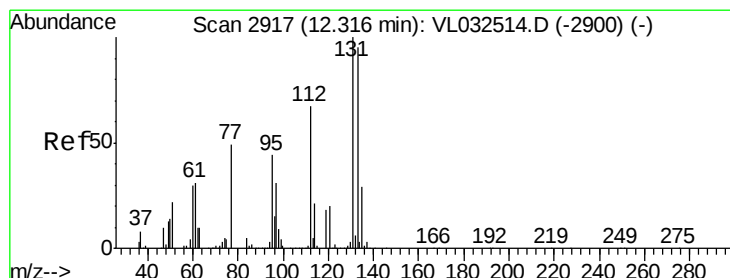
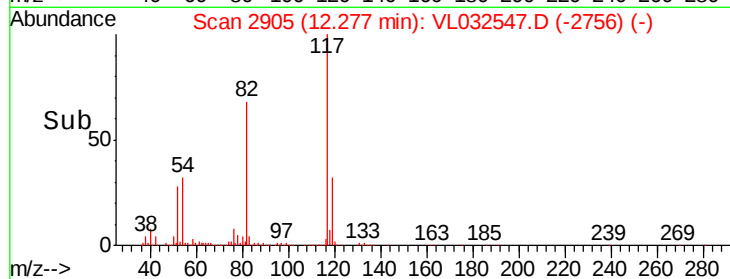
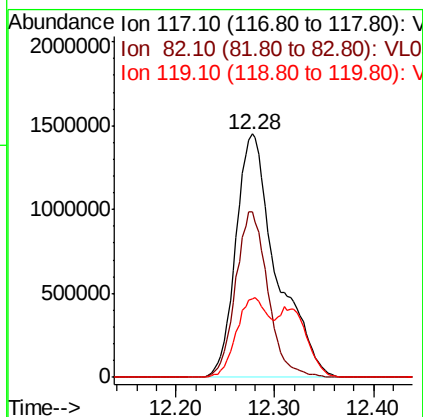
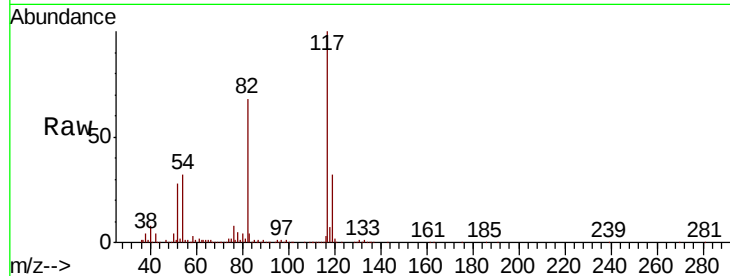




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

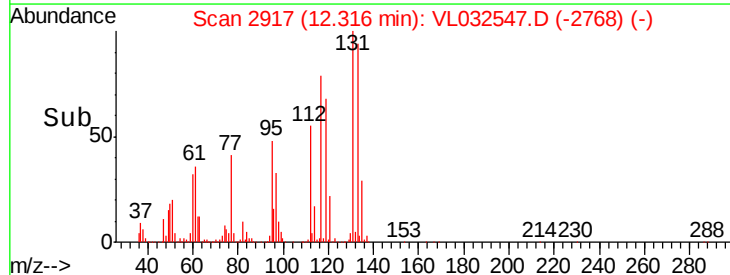
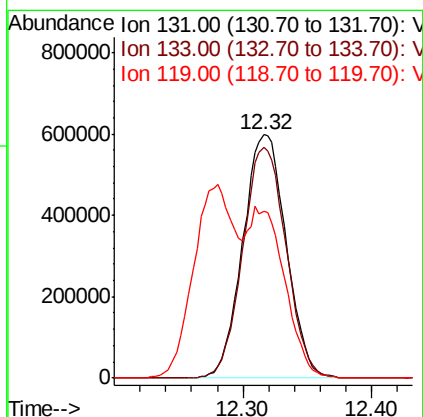
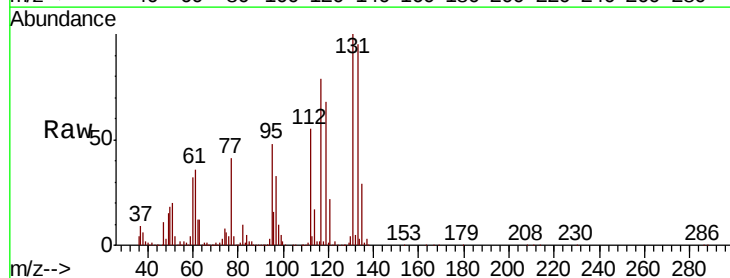
Instrument :
MSVOA_L
ClientSampleId :

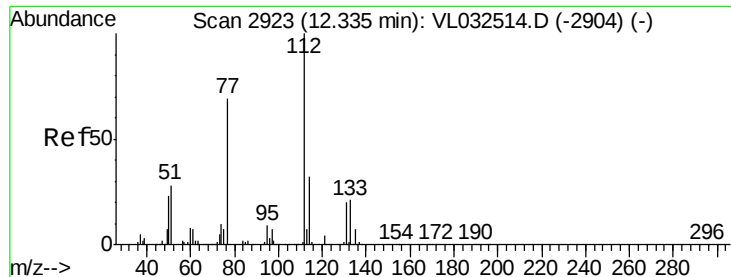
Tot Ion:117 Resp: 4149042
Ion Ratio Lower Upper
117 100
82 54.3 53.0 79.6
119 47.0 45.9 68.9



#56
1,1,1,2-Tetrachloroethane
Concen: 7.517 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion:131 Resp: 1401867
Ion Ratio Lower Upper
131 100
133 94.9 77.0 115.4
119 59.7 114.2 171.2#

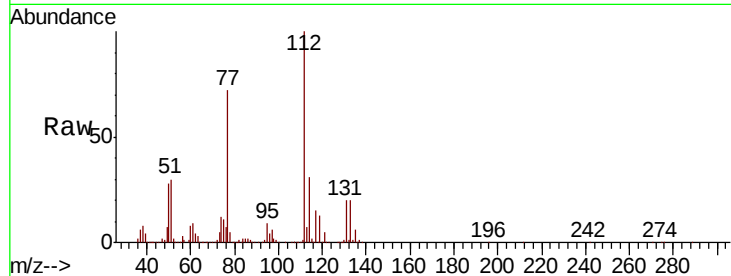




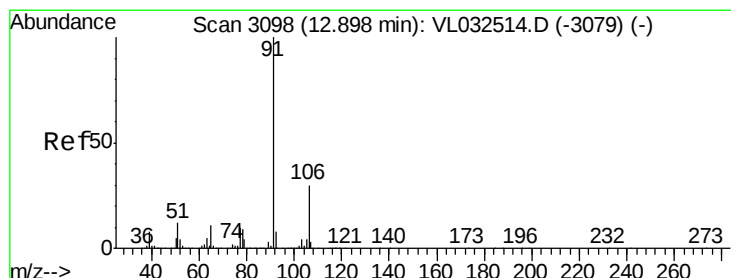
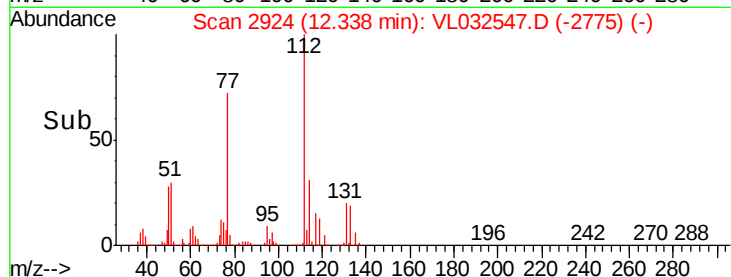
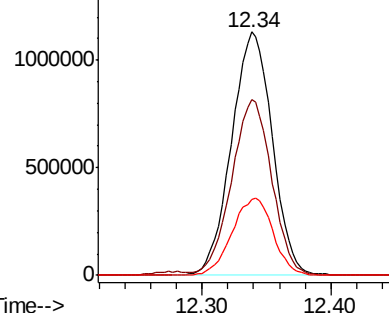
#57
Chlorobenzene
Concen: 7.448 ppbv
RT: 12.34 min Scan# 2924
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:112 Resp: 2489281
Ion Ratio Lower Upper
112 100
77 71.8 56.1 84.1
114 31.2 27.8 34.0

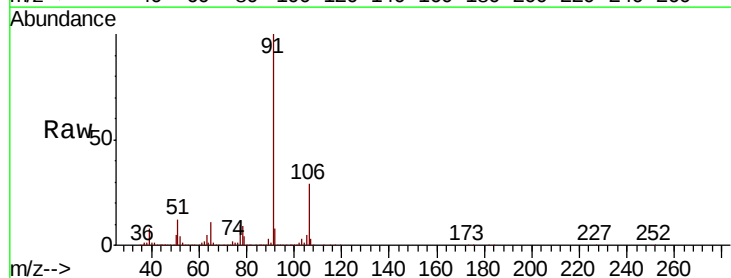


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

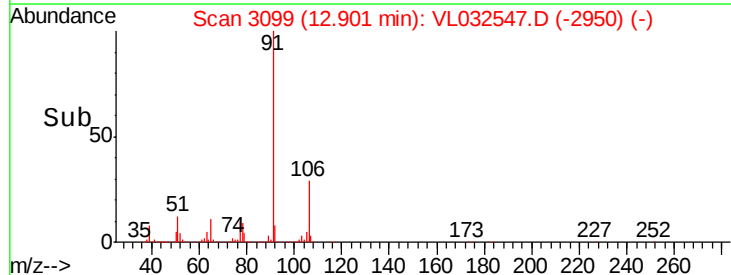
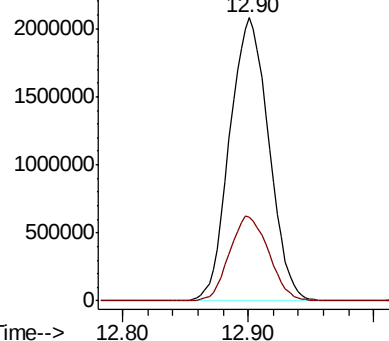


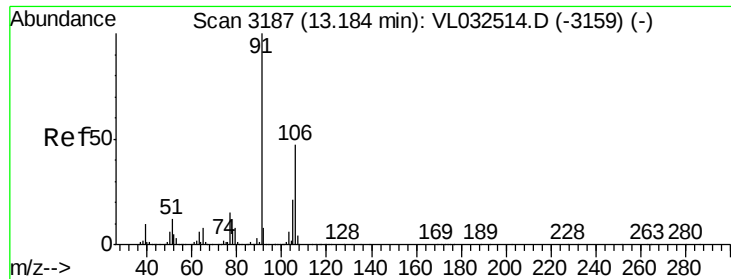
#58
Ethyl Benzene
Concen: 8.970 ppbv
RT: 12.90 min Scan# 3099
Delta R.T. -0.02 min
Lab File: VL032547.D
Acq: 25 Sep 2018 16:10

Tgt Ion: 91 Resp: 4514340
Ion Ratio Lower Upper
91 100
106 29.4 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 7.308 ppbv

RT: 13.19 min Scan# 3188

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

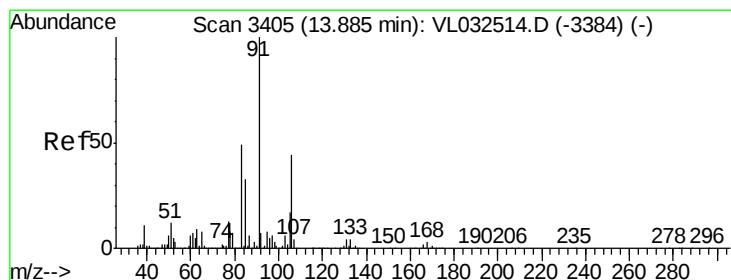
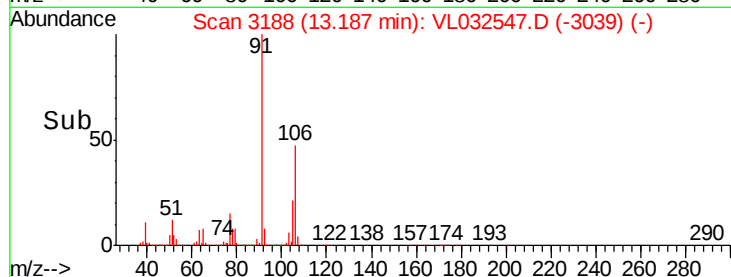
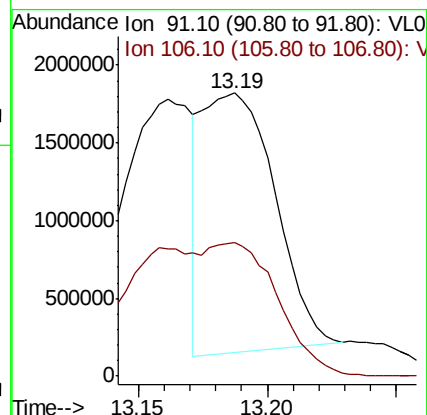
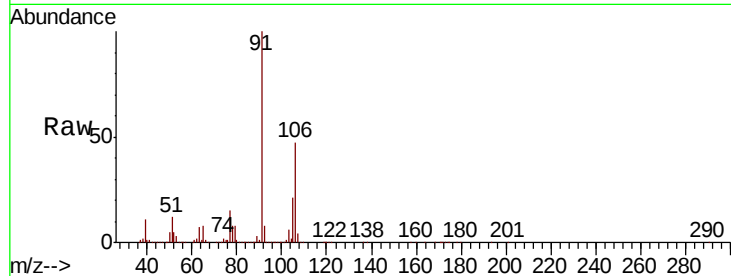
ClientSampleId :

Tot Ion: 91 Resp: 3272481

Ion Ratio Lower Upper

91 100

106 102.4 36.6 55.0#



#60

o-Xylene

Concen: 8.290 ppbv

RT: 13.89 min Scan# 3406

Delta R.T. -0.02 min

Lab File: VL032547.D

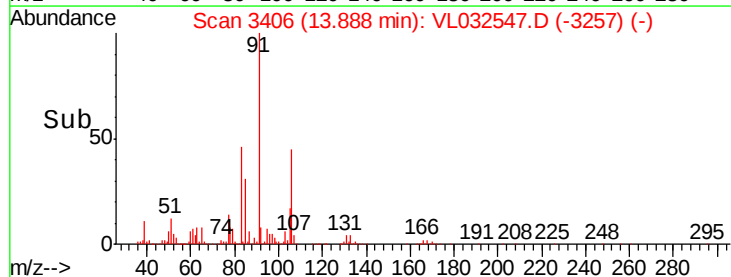
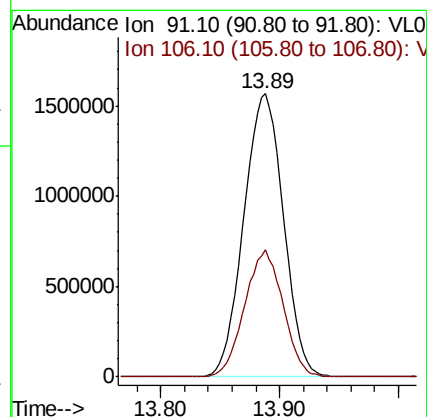
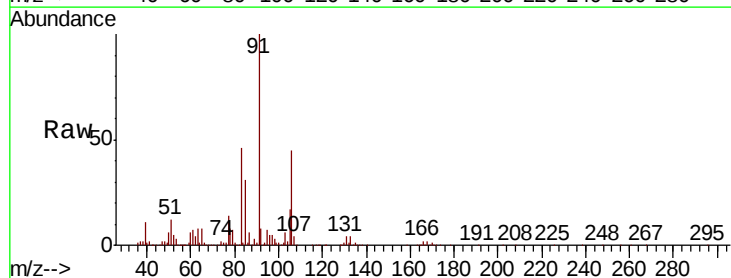
Acq: 25 Sep 2018 16:10

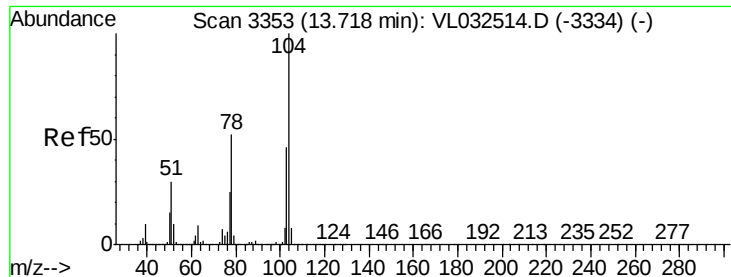
Tgt Ion: 91 Resp: 3614118

Ion Ratio Lower Upper

91 100

106 43.5 21.9 65.7





#61

Stvrene

Concen: 9.317 ppbv

RT: 13.72 min Scan# 3355

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

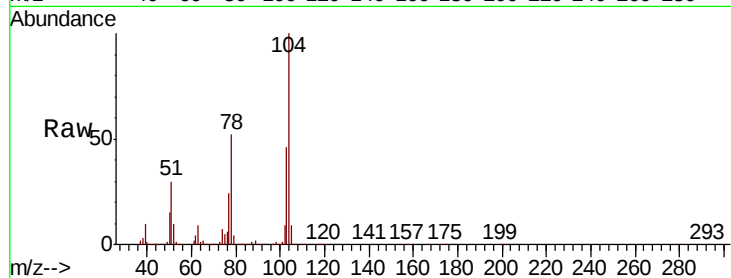
Tot Ion:104 Resp: 2657023

Ion Ratio Lower Upper

104 100

78 53.3 41.8 62.8

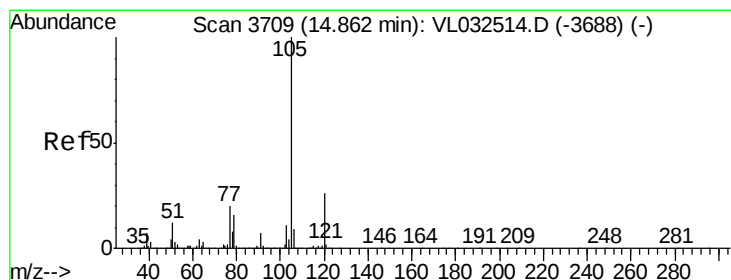
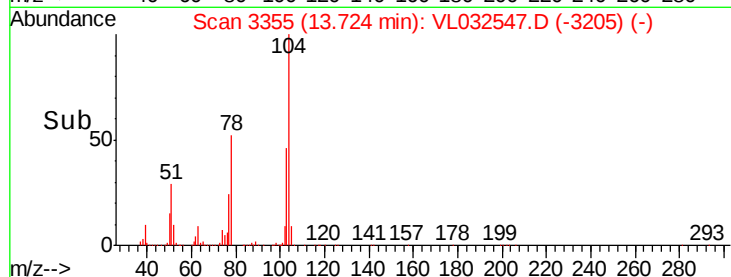
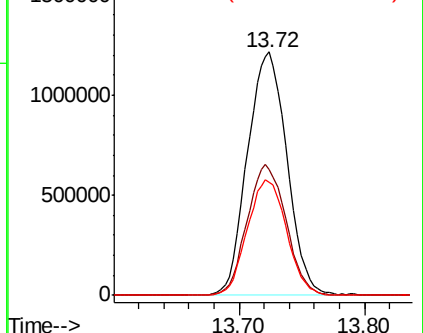
103 47.3 38.0 57.0



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: 8.235 ppbv

RT: 14.87 min Scan# 3710

Delta R.T. -0.02 min

Lab File: VL032547.D

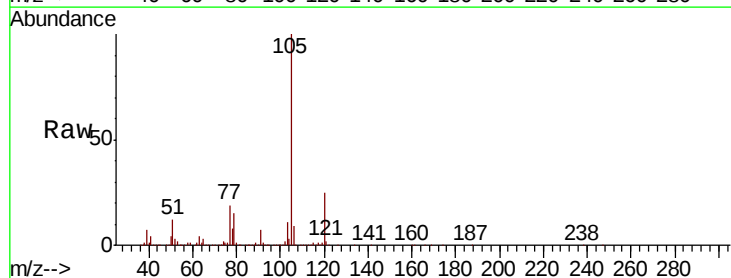
Acq: 25 Sep 2018 16:10

Tgt Ion:105 Resp: 5077147

Ion Ratio Lower Upper

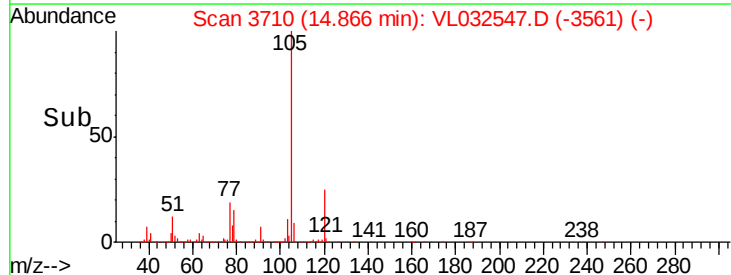
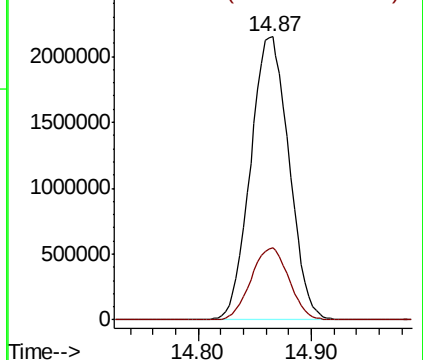
105 100

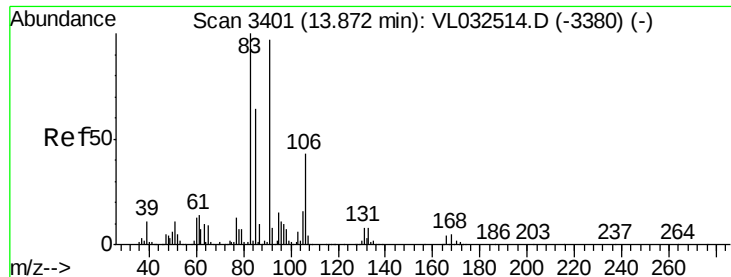
120 25.3 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#63

1,1,2,2-Tetrachloroethane

Concen: 6.923 ppbv

RT: 13.87 min Scan# 3401

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

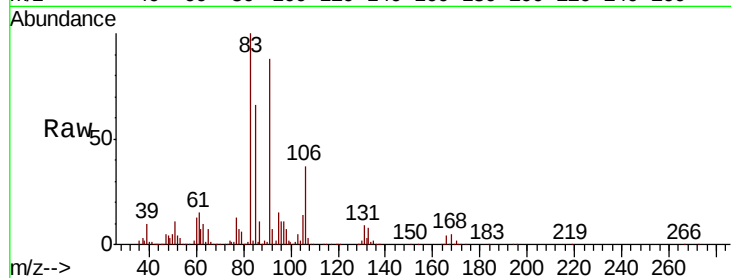
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 83 Resp: 2681202

Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	65.5	32.3	96.8

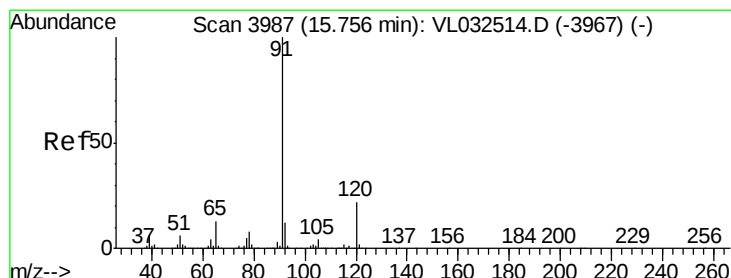
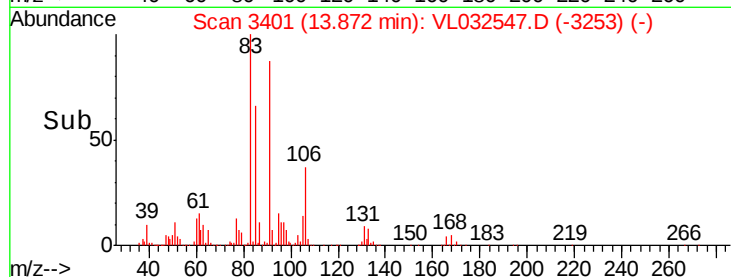
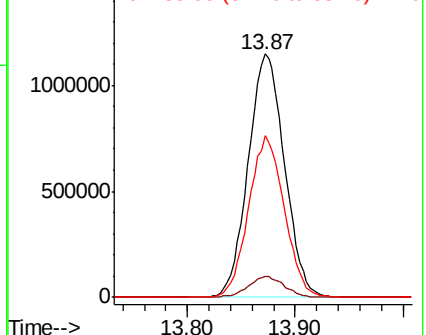


Abundance

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: 8.175 ppbv

RT: 15.76 min Scan# 3989

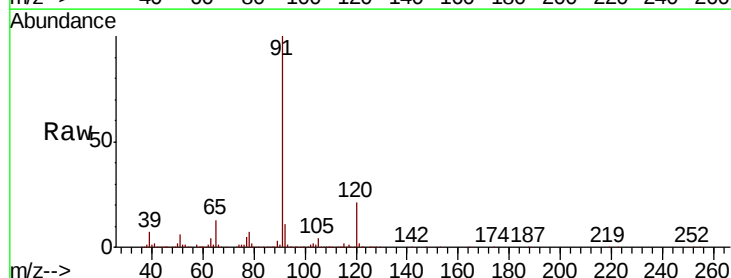
Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion: 120 Resp: 1294916

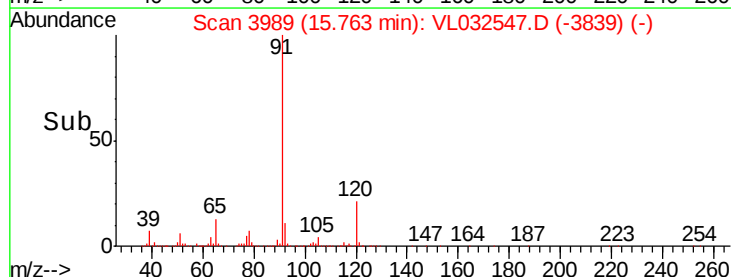
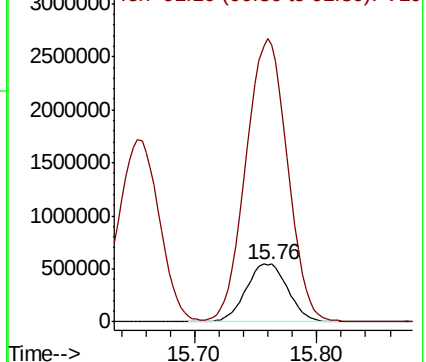
Ion	Ratio	Lower	Upper
120	100		
91	487.4	381.8	572.6

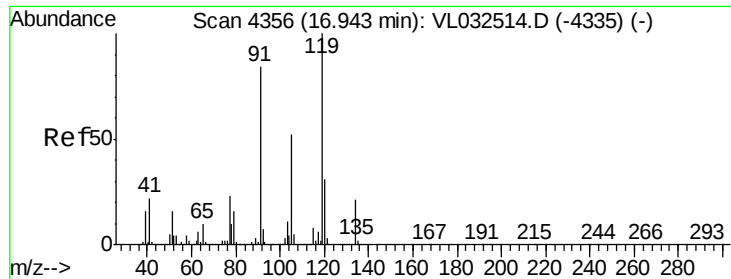


Abundance

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.986 ppbv

RT: 16.95 min Scan# 4357

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

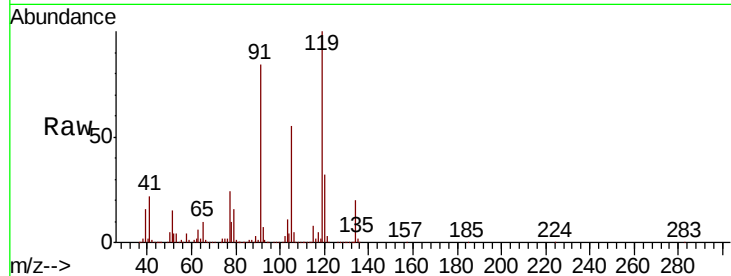
Tot Ion:119 Resp: 4220101

Ion Ratio Lower Upper

119 100

91 84.2 66.5 99.7

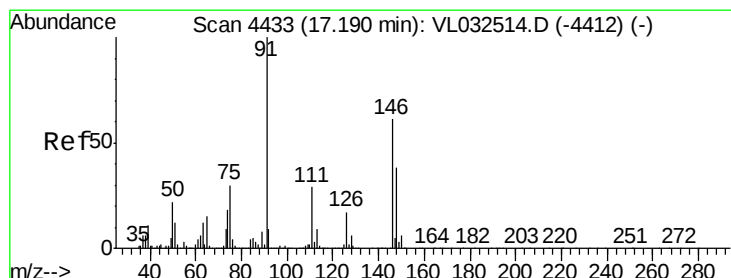
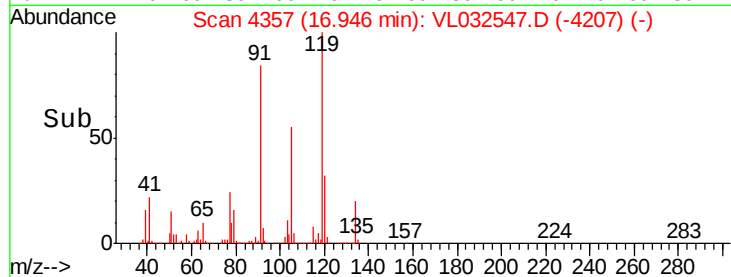
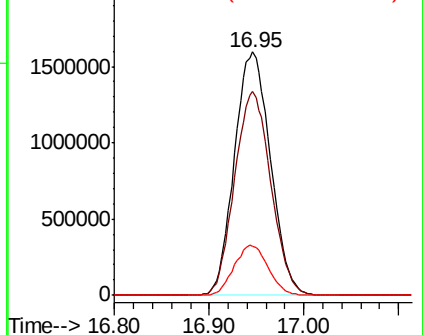
134 19.5 16.0 24.0



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: 8.261 ppbv

RT: 17.19 min Scan# 4434

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

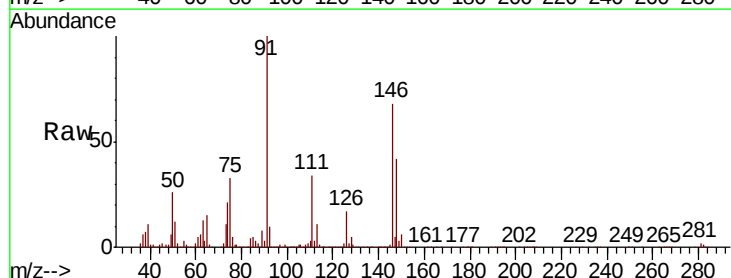
Tgt Ion: 91 Resp: 2516202

Ion Ratio Lower Upper

91 100

126 17.1 13.8 20.8

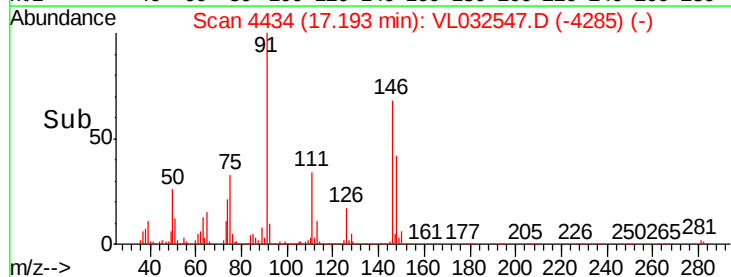
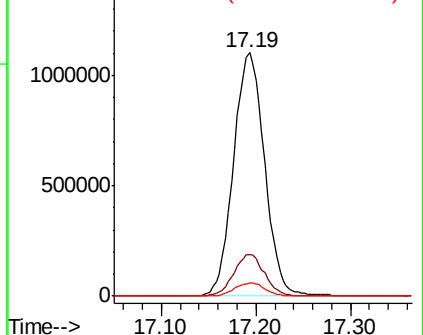
128 5.4 4.4 6.6

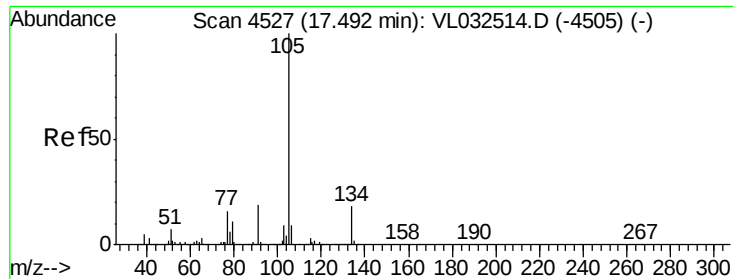


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.980 ppbv

RT: 17.50 min Scan# 4528

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

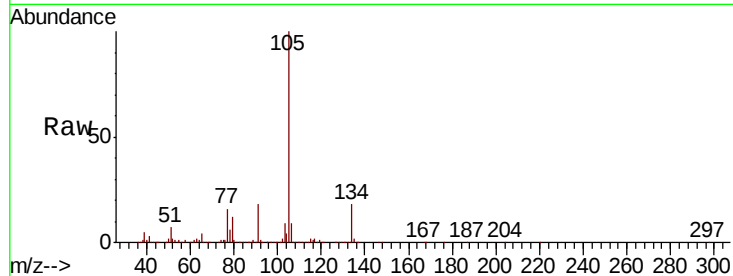
ClientSampled :

Tot Ion:105 Resp: 6269868

Ion Ratio Lower Upper

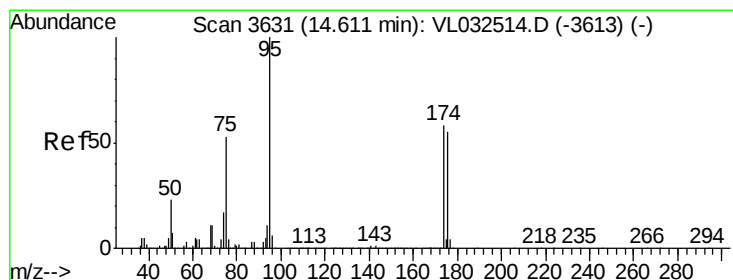
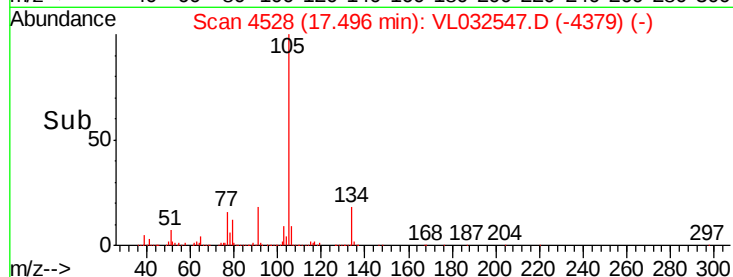
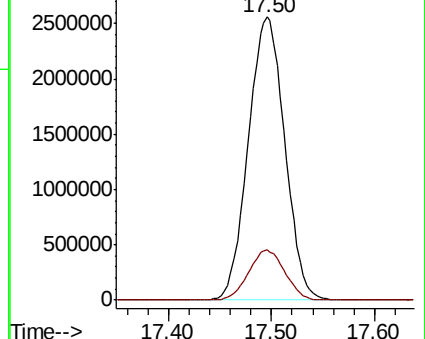
105 100

134 17.6 14.4 21.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.107 ppbv

RT: 14.61 min Scan# 3632

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

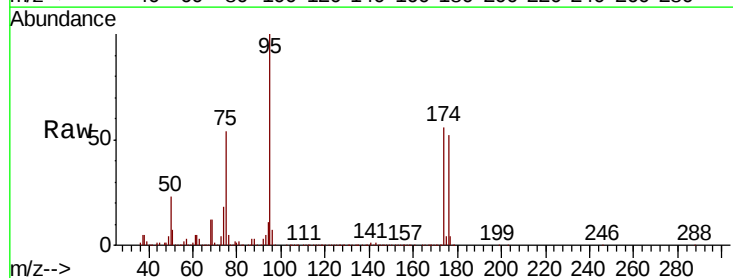
Tgt Ion: 95 Resp: 2536450

Ion Ratio Lower Upper

95 100

174 56.4 46.3 69.5

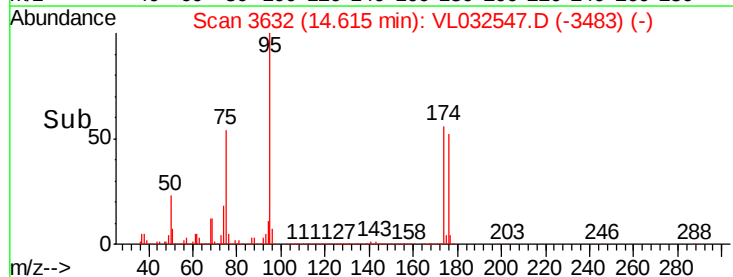
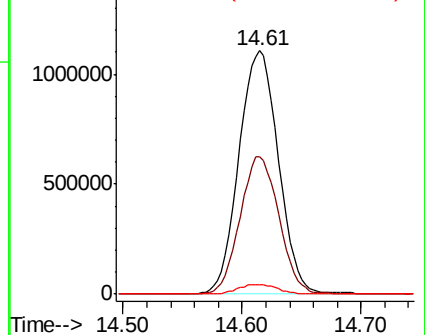
175 4.1 3.4 5.0

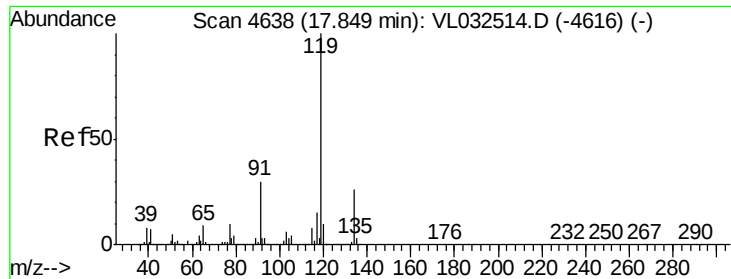


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

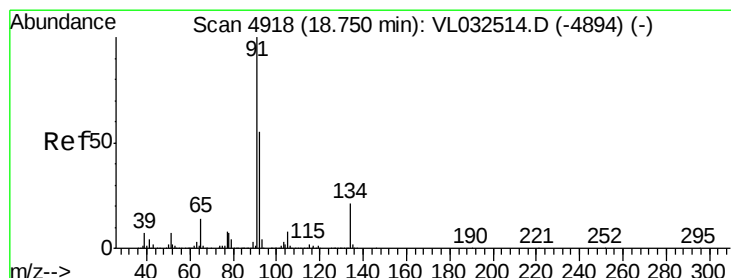
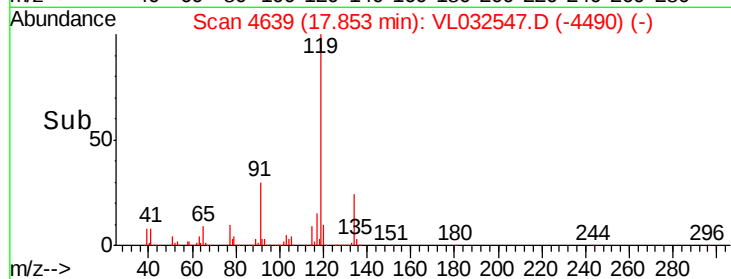
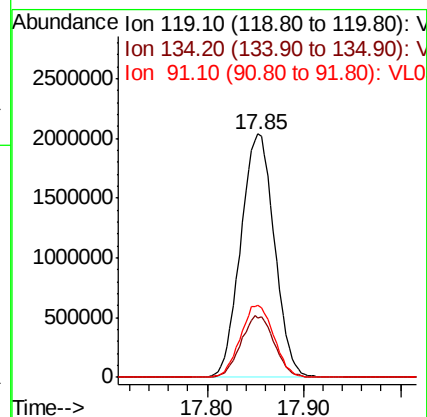
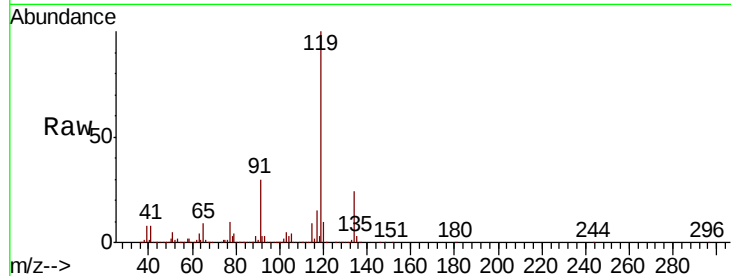




#69
 p-Isopropyltoluene
 Concen: 8.118 ppbv
 RT: 17.85 min Scan# 4639
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

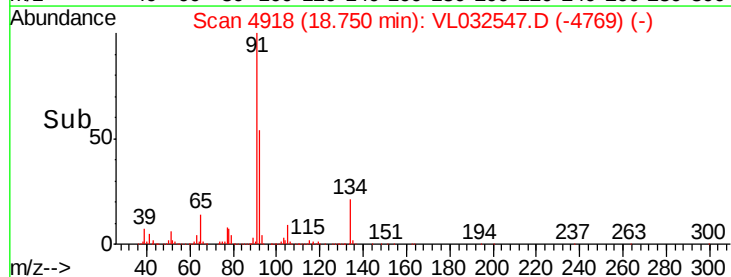
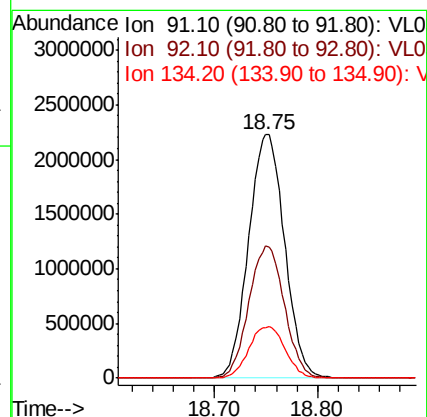
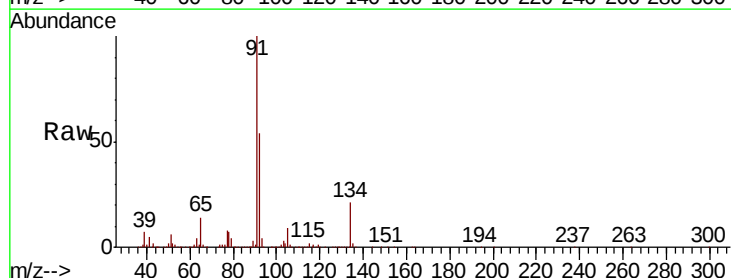
Instrument :
 MSVOA_L
 ClientSampled :

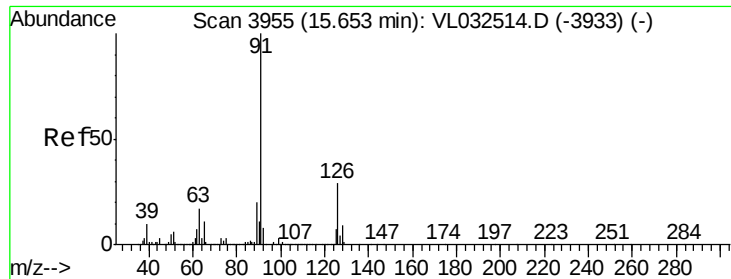
Tot Ion:119 Resp: 4926496
 Ion Ratio Lower Upper
 119 100
 134 25.0 20.4 30.6
 91 29.5 23.4 35.2



#70
 n-Butylbenzene
 Concen: 8.130 ppbv
 RT: 18.75 min Scan# 4918
 Delta R.T. -0.02 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Tgt Ion: 91 Resp: 5388924
 Ion Ratio Lower Upper
 91 100
 92 53.8 43.8 65.8
 134 21.3 17.4 26.0





#71

2-Chlorotoluene

Concen: 8.415 ppbv

RT: 15.65 min Scan# 3955

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

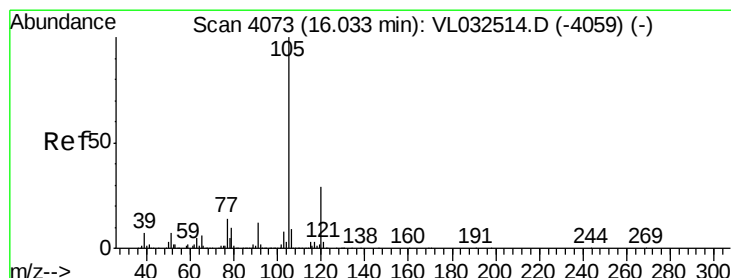
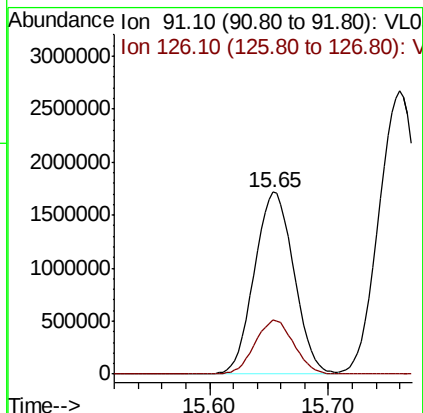
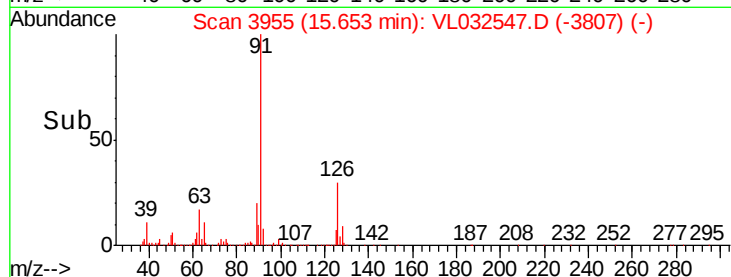
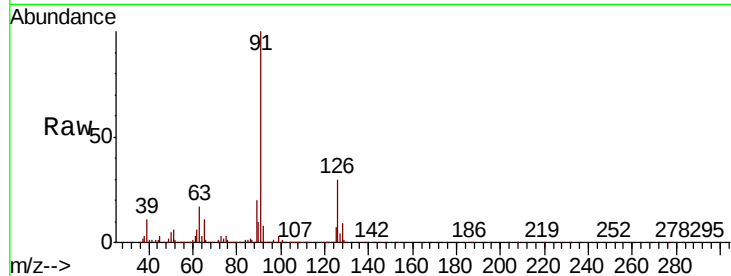
ClientSampleId :

Tot Ion: 91 Resp: 3951716

Ion Ratio Lower Upper

91 100

126 29.3 11.9 47.7



#72

4-Ethyltoluene

Concen: 8.717 ppbv

RT: 16.04 min Scan# 4074

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion:105 Resp: 4124700

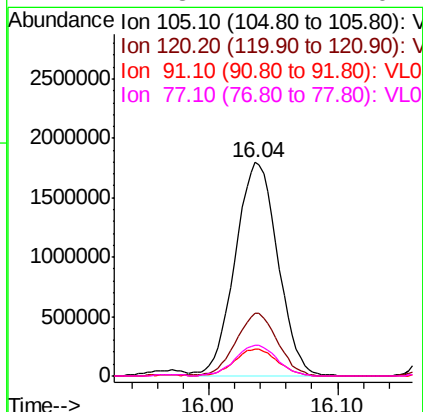
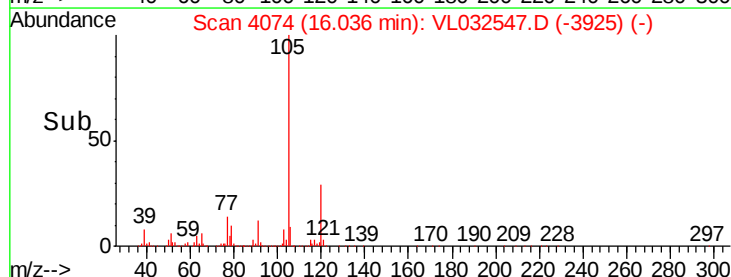
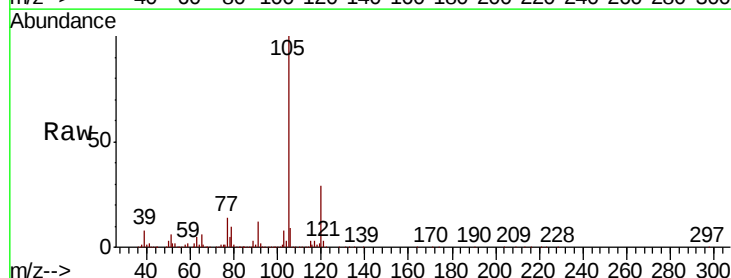
Ion Ratio Lower Upper

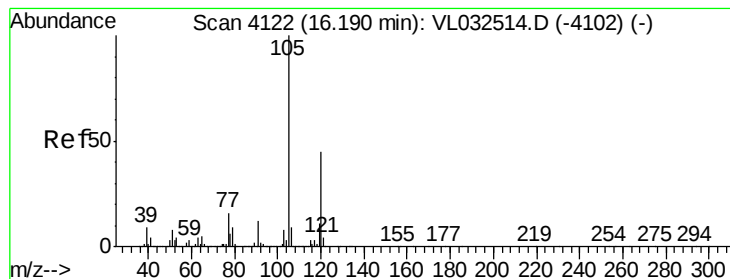
105 100

120 29.4 23.5 35.3

91 12.8 10.2 15.2

77 14.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.544 ppbv

RT: 16.20 min Scan# 4124

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

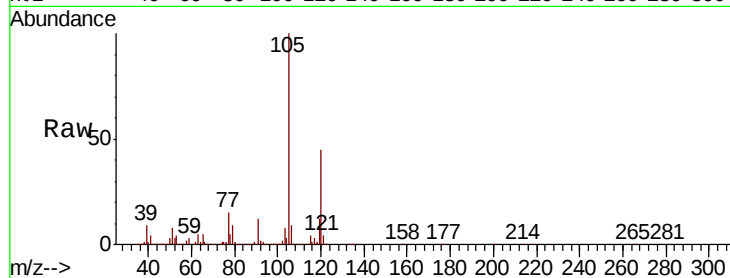
ClientSampleId :

Tot Ion:105 Resp: 3929256

Ion Ratio Lower Upper

105 100

120 45.5 37.9 56.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2000000

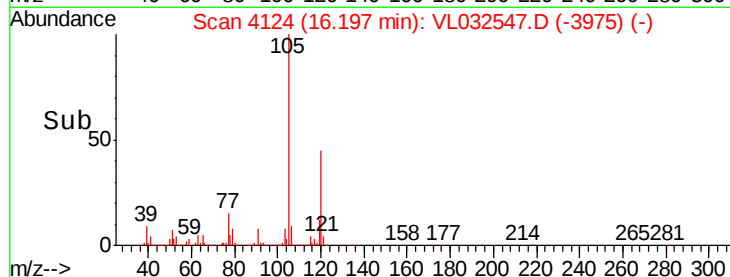
1500000

1000000

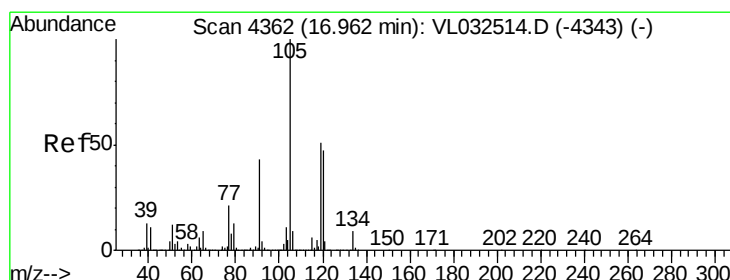
500000

0

16.10 16.20 16.30



Time-->



#74

1,2,4-Trimethylbenzene

Concen: 7.927 ppbv

RT: 16.96 min Scan# 4362

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion:105 Resp: 3925376

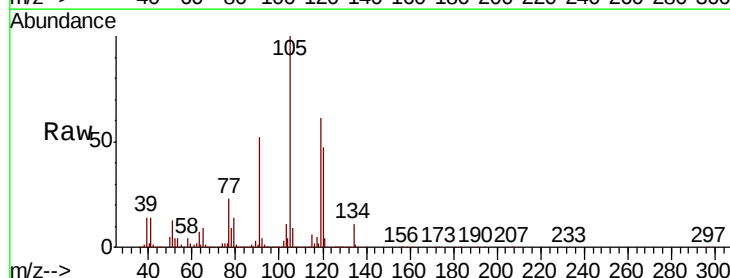
Ion Ratio Lower Upper

105 100

120 46.7 37.8 56.8

91 51.6 41.4 62.0

77 23.3 18.6 28.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

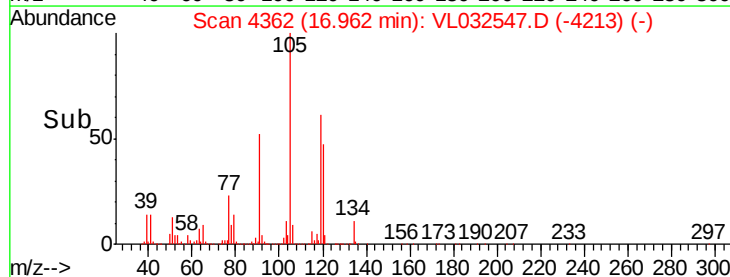
1500000

1000000

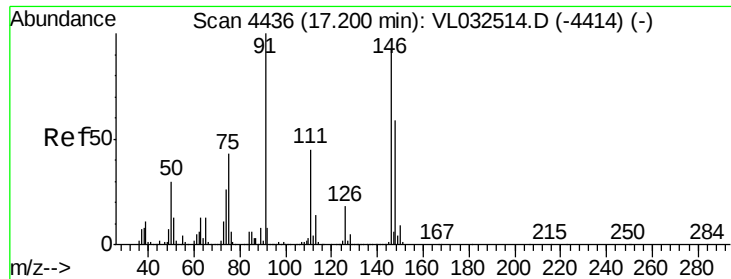
500000

0

16.90 17.00



Time-->



#75

1,3-Dichlorobenzene

Concen: 7.003 ppbv

RT: 17.20 min Scan# 4437

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampleId :

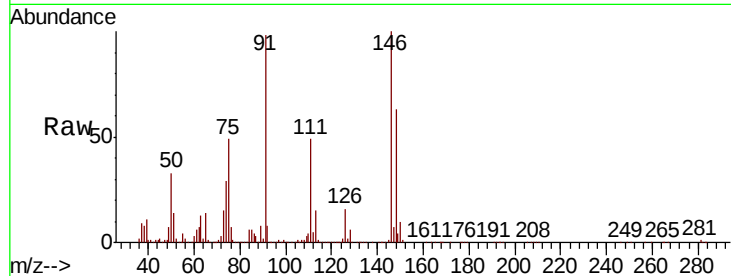
Tot Ion:146 Resp: 2139665

Ion Ratio Lower Upper

146 100

111 49.3 24.5 73.5

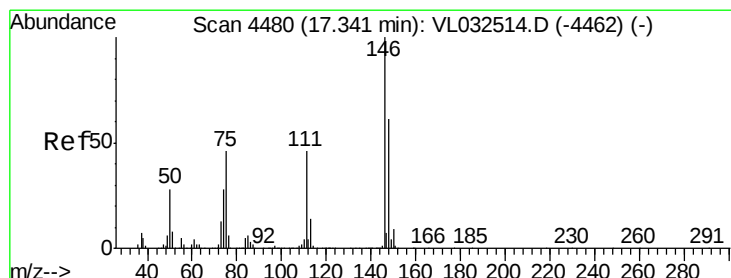
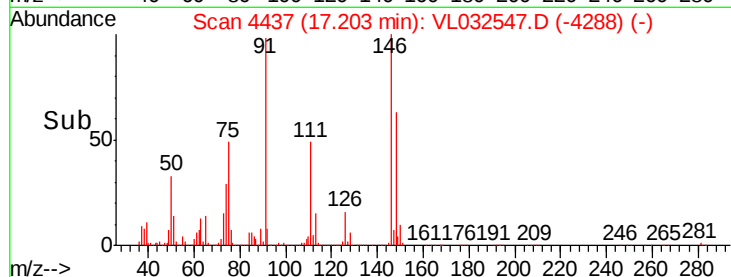
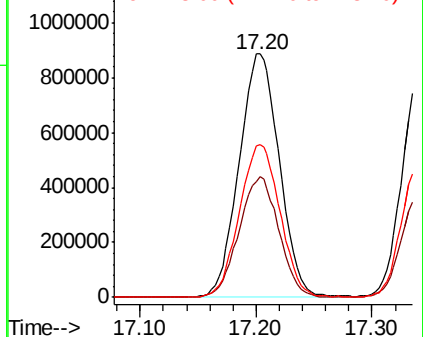
148 63.4 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 4.007 ppbv

RT: 17.34 min Scan# 4480

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

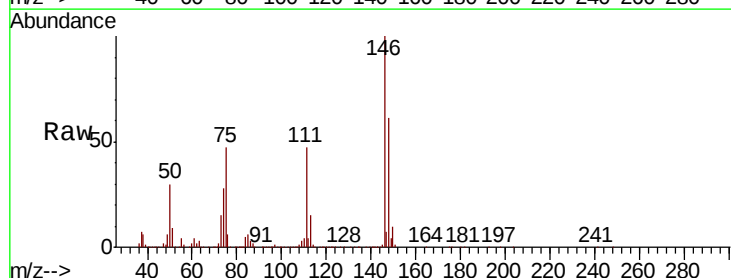
Tgt Ion:146 Resp: 1121035

Ion Ratio Lower Upper

146 100

111 0.0 23.4 70.2#

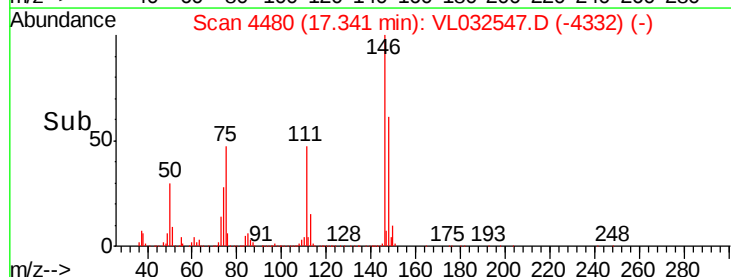
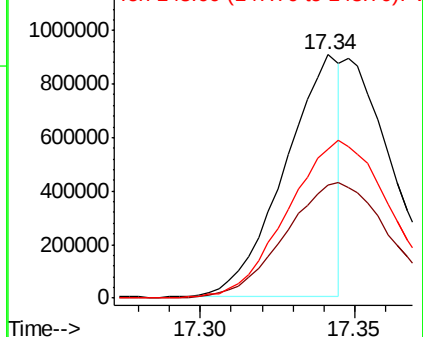
148 0.0 32.0 96.2#

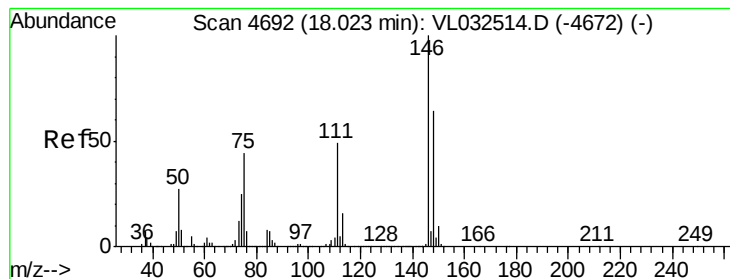


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.332 ppbv

RT: 18.02 min Scan# 4692

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Instrument :

MSVOA_L

ClientSampled :

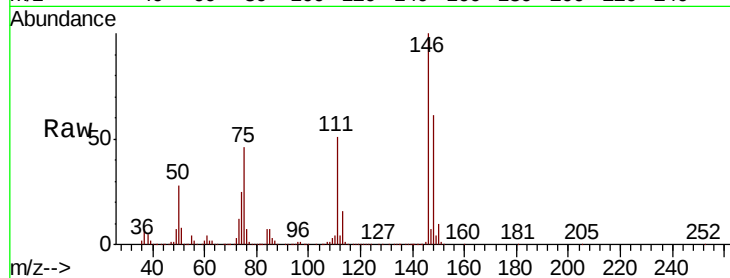
Tot Ion:146 Resp: 2106910

Ion Ratio Lower Upper

146 100

111 50.4 24.9 74.8

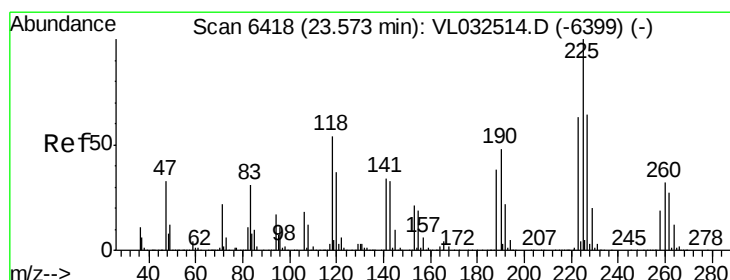
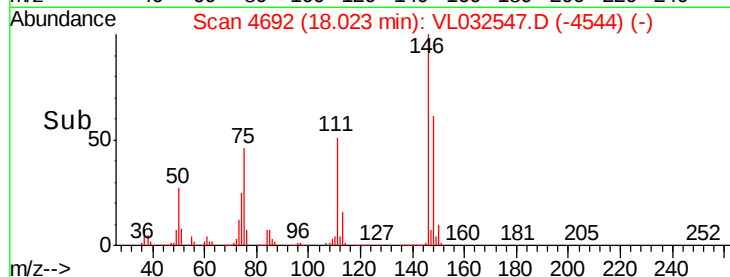
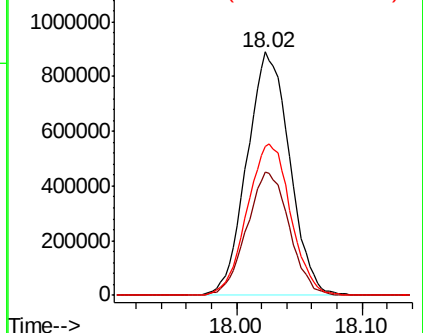
148 63.6 32.0 96.0



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: 11.279 ppbv

RT: 23.58 min Scan# 6419

Delta R.T. -0.02 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

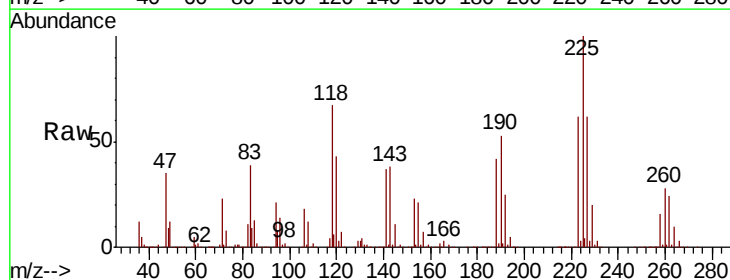
Tgt Ion:225 Resp: 1216300

Ion Ratio Lower Upper

225 100

223 63.2 50.6 76.0

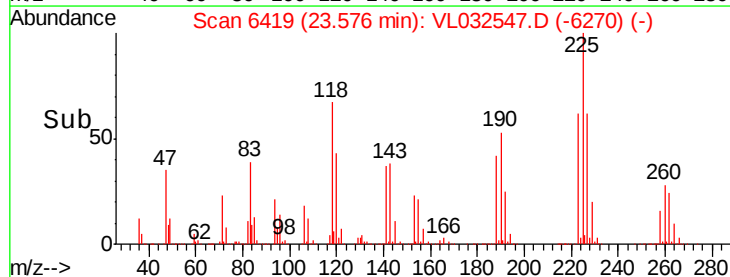
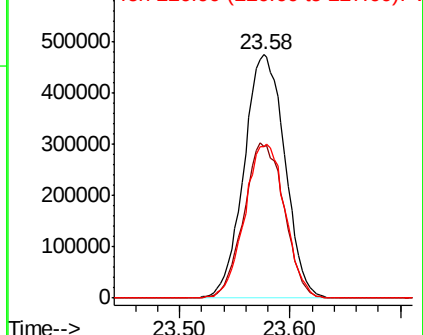
227 62.7 51.2 76.8

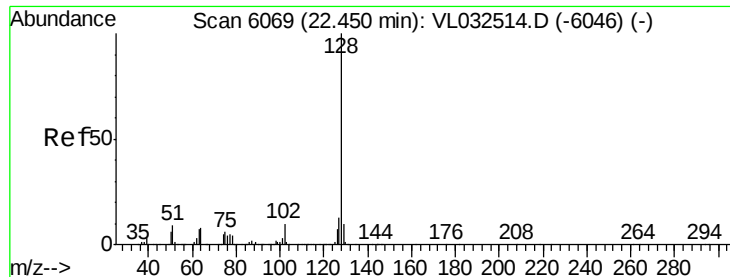


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.106 ppbv

RT: 22.45 min Scan# 6069

Delta R.T. -0.03 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

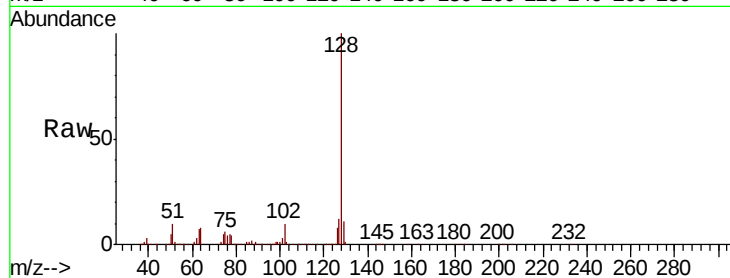
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3251869

Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	10.6	8.5	12.7

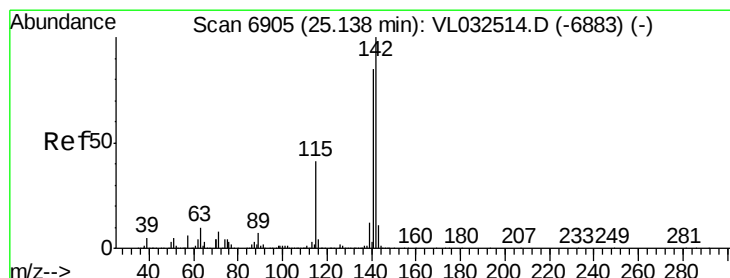
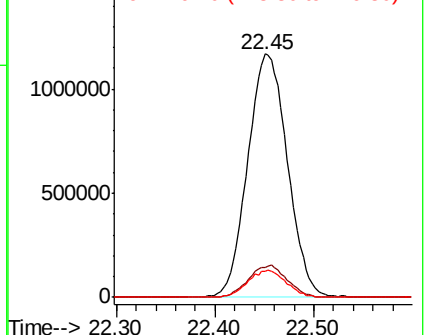
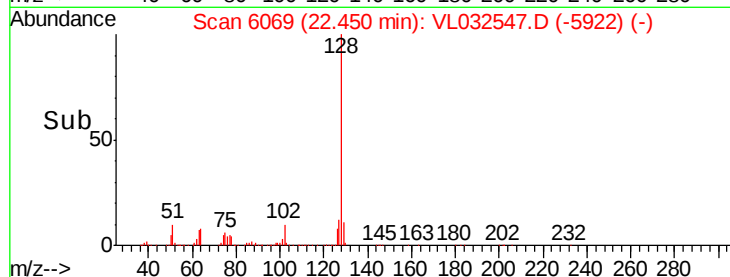


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.666 ppbv

RT: 25.14 min Scan# 6906

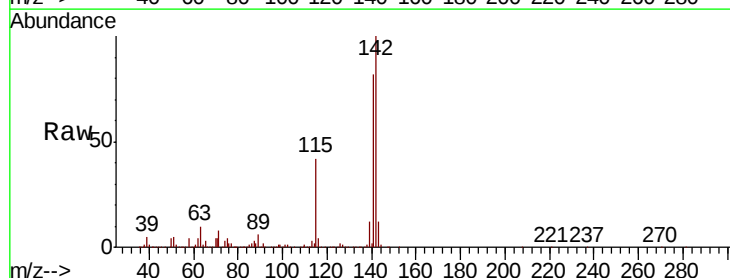
Delta R.T. -0.01 min

Lab File: VL032547.D

Acq: 25 Sep 2018 16:10

Tgt Ion:142 Resp: 1061973

Ion	Ratio	Lower	Upper
142	100		
141	84.5	67.0	100.6
115	41.6	31.3	46.9

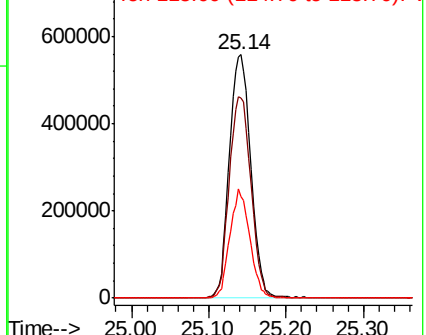
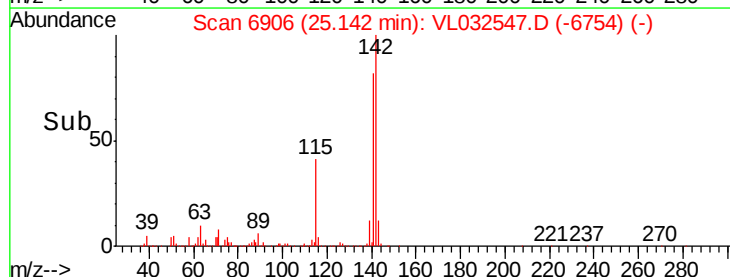


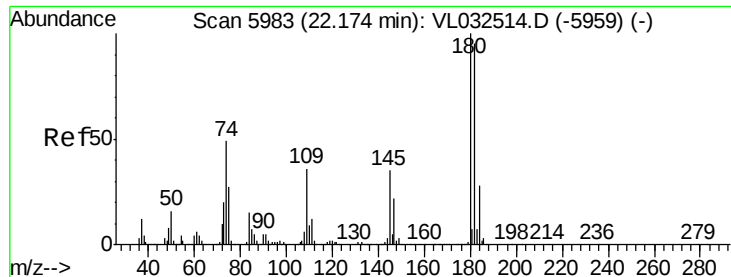
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

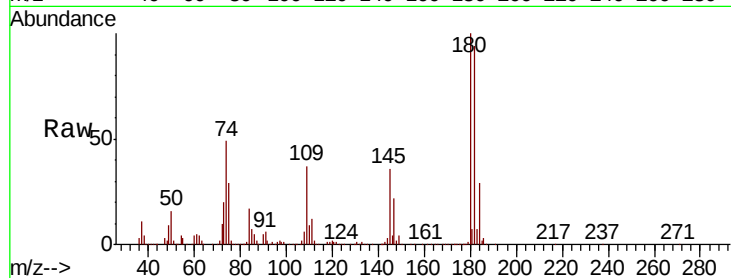




#81
 1,2,4-Trichlorobenzene
 Concen: 8.492 ppbv
 RT: 22.18 min Scan# 5984
 Delta R.T. -0.03 min
 Lab File: VL032547.D
 Acq: 25 Sep 2018 16:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:180 Resp: 1554446
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.1 114.1
 184 30.2 23.8 35.8



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

