

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032174.D
 Acq On : 30 Jun 2018 17:08
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Quant Time: Jul 02 00:52:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1356789	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.39	114	3175176	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.35	117	3915542	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	2334884	7.80	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	78.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.14	85	1286468	7.201	ppbv	97
3) Chlorodifluoromethane	3.07	51	1554659	9.378	ppbv	96
4) Chloromethane	3.23	50	816632	9.227	ppbv	97
5) Vinyl Chloride	3.35	62	819090	9.163	ppbv	99
6) Bromomethane	3.58	94	478842	9.405	ppbv	99
7) Chloroethane	3.67	64	324650	10.270	ppbv	99
8) Dichlorotetrafluoroethane	3.28	85	1763832	8.847	ppbv	92
9) Propene	3.09	41	673752	8.720	ppbv	98
10) Heptane	8.34	43	2081446	9.240	ppbv	97
11) Trichlorofluoromethane	4.07	101	1817104	9.401	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.63	101	1167145	9.067	ppbv	92
13) Ethanol	3.72	45	148773	6.352	ppbv	98
14) Bromoethene	3.86	108	560011	9.143	ppbv	99
15) Acetone	3.97	43	1407085	8.869	ppbv	100
16) 1,3-Butadiene	3.42	39	736709	9.731	ppbv	92
17) tert-Butyl alcohol	4.43	59	790399	7.824	ppbv	100
18) 1,1-Dichloroethene	4.43	96	550613	8.942	ppbv	90
19) Isopropyl Alcohol	4.10	45	1037703	7.872	ppbv	# 41
20) Methylene Chloride	4.49	84	497256	8.577	ppbv	97
21) Allyl Chloride	4.55	41	966295	8.919	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	630436	9.793	ppbv	97
23) Vinyl Acetate	5.23	43	2590676	9.005	ppbv	98
24) 1,1-Dichloroethane	5.17	63	1725699	9.363	ppbv	99
25) Ethyl Acetate	5.86	43	3137220	9.558	ppbv	100
26) Hexane	5.87	57	1438936	9.520	ppbv	96
27) Carbon Disulfide	4.70	76	1387556	9.234	ppbv	98
28) Methyl tert-Butyl Ether	5.19	73	2356002	8.819	ppbv	99
29) Chloroform	5.94	83	2200999	10.003	ppbv	99
30) Cyclohexane	7.34	84	1294761	9.088	ppbv	98
31) cis-1,2-Dichloroethene	5.73	61	1501754	9.941	ppbv	94
32) 1,1,1-Trichloroethane	6.71	97	2081832	9.026	ppbv	98
34) 2-Butanone	5.41	43	2033356	10.090	ppbv	99
35) Carbon Tetrachloride	7.23	117	2110718	9.711	ppbv	99
36) Benzene	7.10	78	3096313	10.075	ppbv	98
37) 1,2-Dichloroethane	6.50	62	1718244	11.222	ppbv	97
38) Trichloroethene	8.06	130	1042056	8.680	ppbv	93
39) 1,2-Dichloropropane	7.84	63	1209211	9.977	ppbv	95
40) 1,4-Dioxane	8.05	88	402490	8.468	ppbv	# 1
41) Tetrahydrofuran	6.24	42	1254821	10.387	ppbv	97
42) Bromodichloromethane	8.02	83	2410675	10.045	ppbv	96
43) Methyl Methacrylate	8.23	69	1331500	10.453	ppbv	98

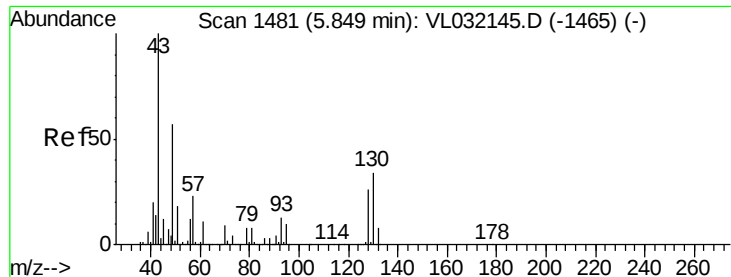
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
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 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.09	57	5129419	9.539	ppbv	99
45) t-1,3-Dichloropropene	9.52	75	1609519	10.197	ppbv	97
46) cis-1,3-Dichloropropene	8.94	75	1889180	10.024	ppbv	97
47) 1,1,2-Trichloroethane	9.72	97	1234286	9.797	ppbv	99
48) Dibromochloromethane	10.56	129	1868153	9.579	ppbv	99
49) Bromoform	13.31	173	1532772	9.385	ppbv	100
50) 4-Methyl-2-Pentanone	8.97	43	3204337	9.706	ppbv	100
51) 2-Hexanone	10.38	43	2721963	9.946	ppbv #	100
52) Tetrachloroethene	11.48	164	927721	8.301	ppbv	95
53) Toluene	10.05	91	3555079	9.571	ppbv	100
54) 1,2-Dibromoethane	10.87	107	1826329	9.643	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.39	131	1323903	7.573	ppbv #	55
57) Chlorobenzene	12.41	112	2586011	7.626	ppbv	98
58) Ethyl Benzene	12.97	91	4914223	7.788	ppbv	96
59) m/p-Xylene	13.26	91	4010413	7.929	ppbv #	42
60) o-Xylene	13.96	91	3749615	7.432	ppbv	96
61) Styrene	13.79	104	3114273	7.533	ppbv	95
62) Isopropylbenzene	14.93	105	5379495	6.935	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.94	83	2657789	6.804	ppbv	100
64) n-propylbenzene	15.83	120	1405246	6.999	ppbv	85
65) tert-Butylbenzene	17.01	119	4433432	6.504	ppbv	93
66) Benzyl Chloride	17.26	91	2592630	6.159	ppbv	94
67) sec-Butylbenzene	17.57	105	6692950	6.706	ppbv	98
69) p-Isopropyltoluene	17.92	119	5396929	6.741	ppbv	97
70) n-Butylbenzene	18.82	91	5945784	7.112	ppbv	98
71) 2-Chlorotoluene	15.73	91	4310836	7.217	ppbv	94
72) 4-Ethyltoluene	16.11	105	4643118	7.126	ppbv	97
73) 1,3,5-Trimethylbenzene	16.26	105	4367233	7.115	ppbv	92
74) 1,2,4-Trimethylbenzene	17.03	105	4265842	6.887	ppbv	93
75) 1,3-Dichlorobenzene	17.28	146	2342511	6.648	ppbv	98
76) 1,4-Dichlorobenzene	17.41	146	2411593	6.750	ppbv	97
77) 1,2-Dichlorobenzene	18.09	146	2361952	6.708	ppbv	97
78) Hexachloro-1,3-Butadiene	23.64	225	1453572	11.855	ppbv	99
79) Naphthalene	22.53	128	4410643	7.834	ppbv	100
80) Naphthalene,2-methyl-	25.19	142	2119704	10.430	ppbv	97
81) 1,2,4-Trichlorobenzene	22.26	180	1947916	7.662	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1481

Delta R.T. -0.01 min

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VSTDCCC010EC

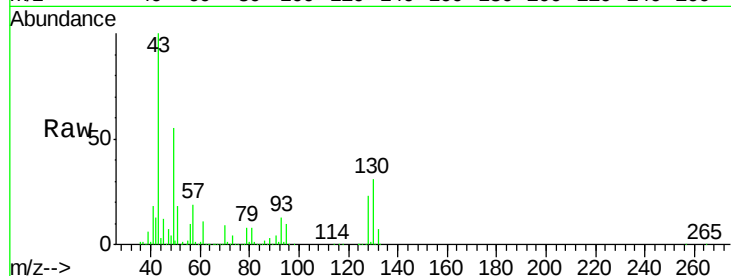
Tgt Ion: 49 Resp: 1356789

Ion Ratio Lower Upper

49 100

128 43.9 23.4 70.0

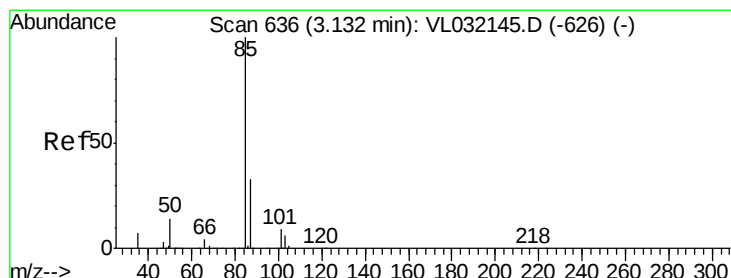
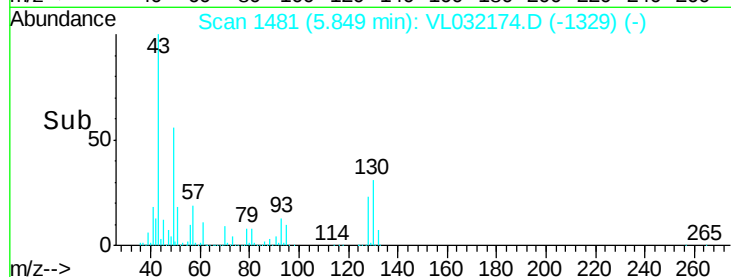
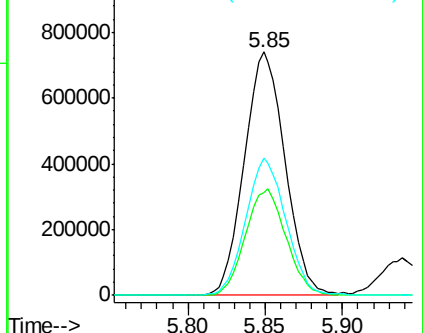
130 56.2 30.3 90.9



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: 7.201 ppbv

RT: 3.14 min Scan# 637

Delta R.T. -0.01 min

Lab File: VL032174.D

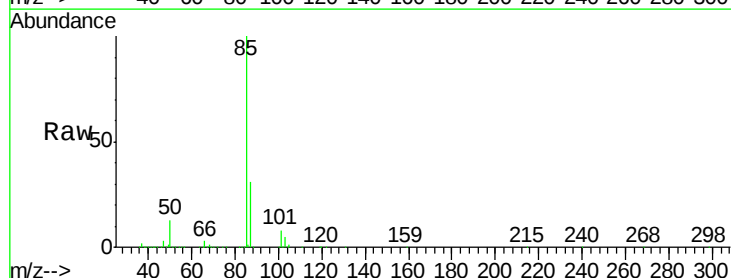
Acq: 30 Jun 2018 17:08

Tgt Ion: 85 Resp: 1286468

Ion Ratio Lower Upper

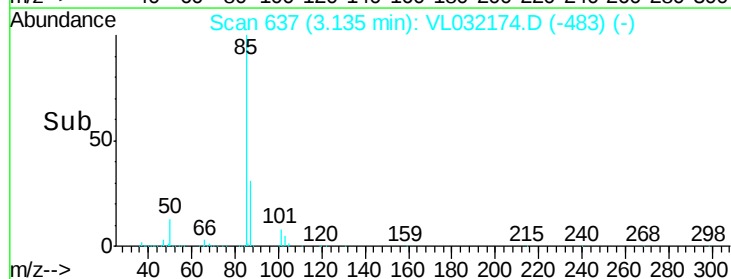
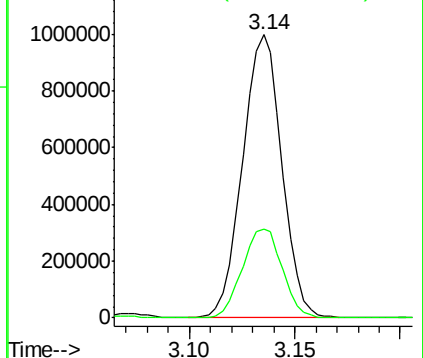
85 100

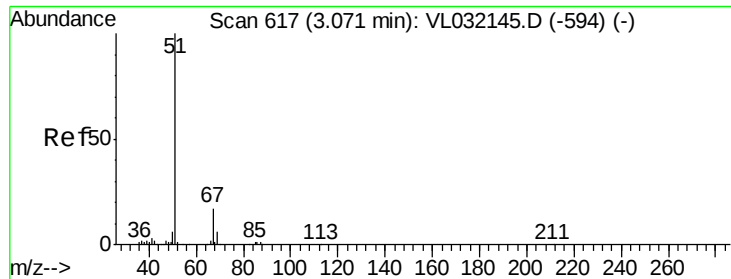
87 31.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

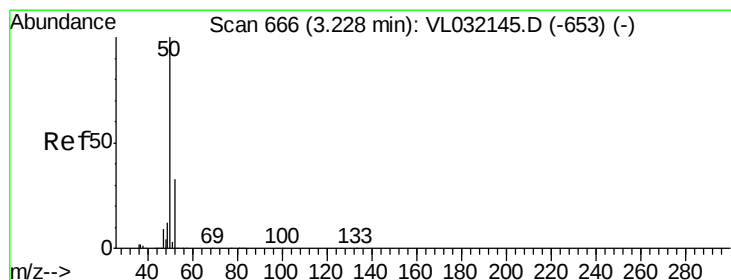
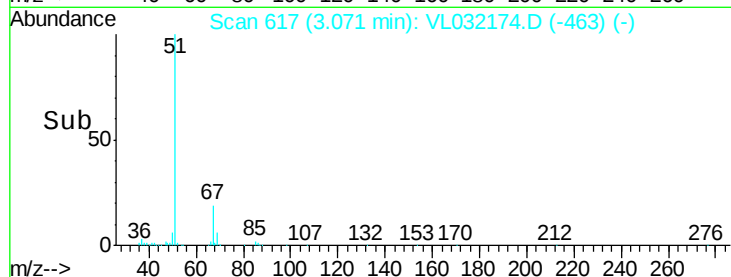
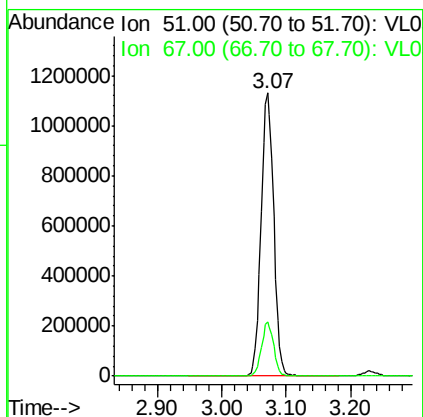
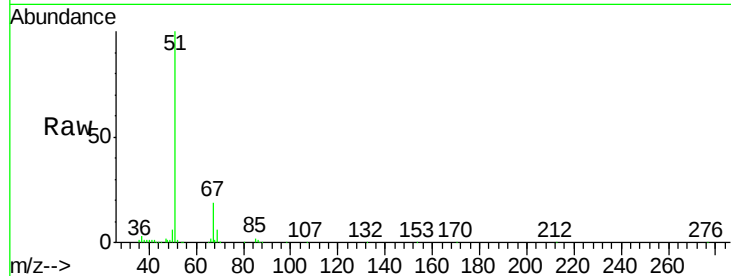




#3
 Chlorodifluoromethane
 Concen: 9.378 ppbv
 RT: 3.07 min Scan# 617
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

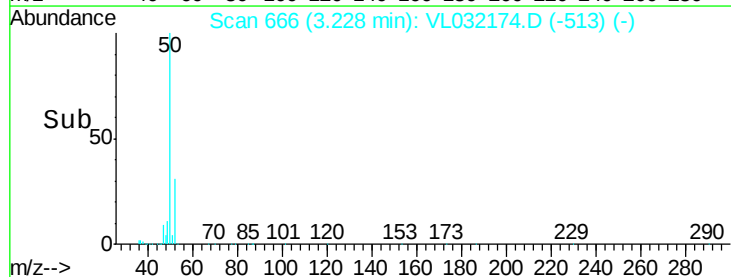
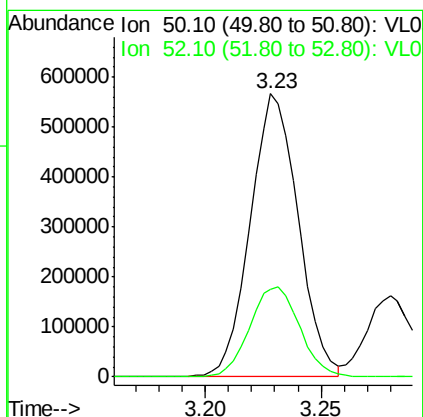
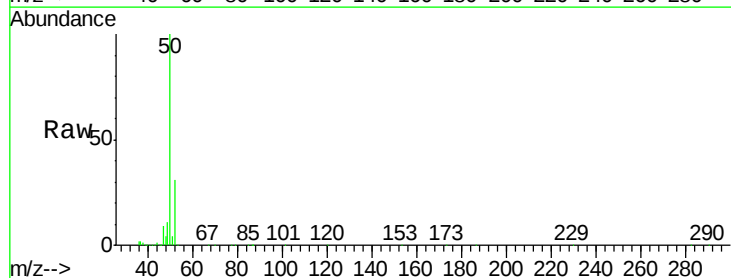
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

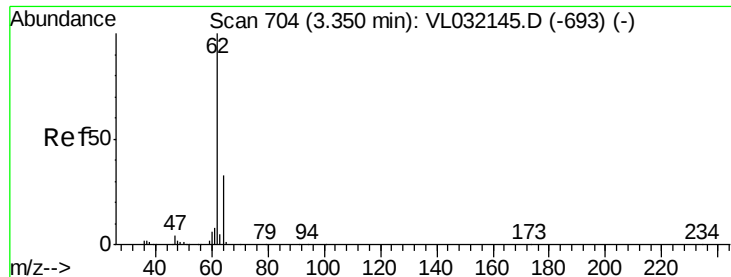
Tgt Ion: 51 Resp: 1554659
 Ion Ratio Lower Upper
 51 100
 67 18.3 13.2 19.8



#4
 Chloromethane
 Concen: 9.227 ppbv
 RT: 3.23 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

Tgt Ion: 50 Resp: 816632
 Ion Ratio Lower Upper
 50 100
 52 31.0 26.0 39.0





#5

Vinyl Chloride

Concen: 9.163 ppbv

RT: 3.35 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

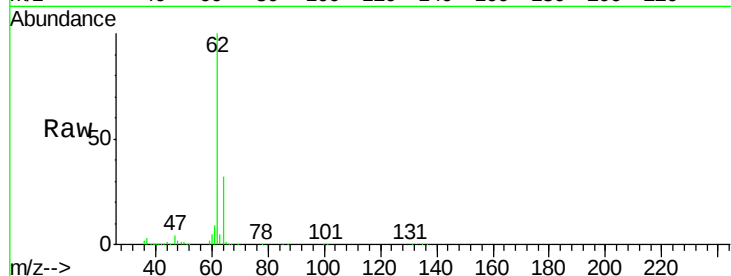
VSTDCCC010EC

Tgt Ion: 62 Resp: 819090

Ion Ratio Lower Upper

62 100

64 32.3 26.1 39.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.35

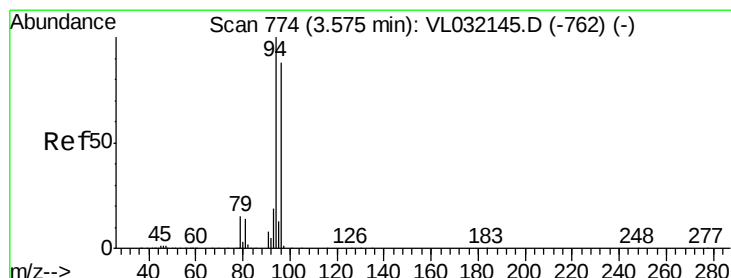
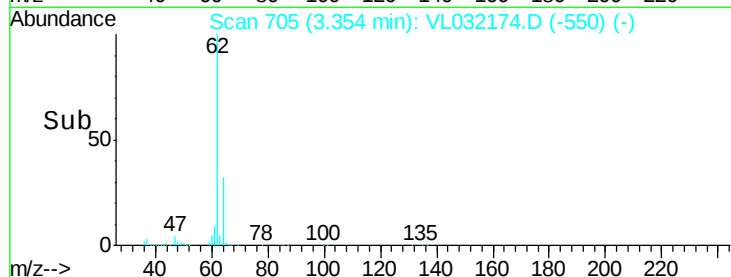
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.405 ppbv

RT: 3.58 min Scan# 775

Delta R.T. -0.01 min

Lab File: VL032174.D

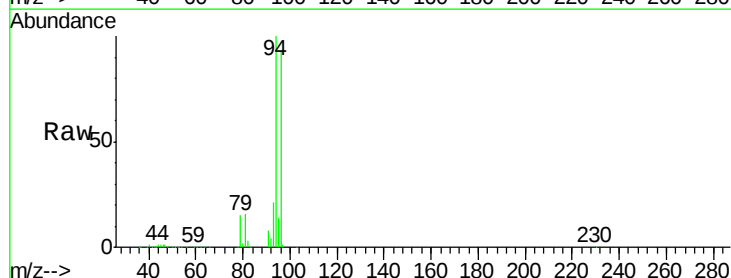
Acq: 30 Jun 2018 17:08

Tgt Ion: 94 Resp: 478842

Ion Ratio Lower Upper

94 100

96 92.7 74.7 112.1



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.58

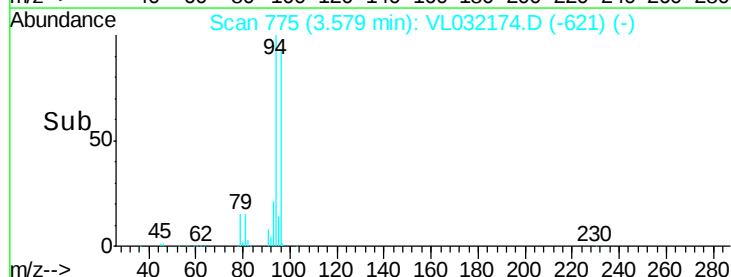
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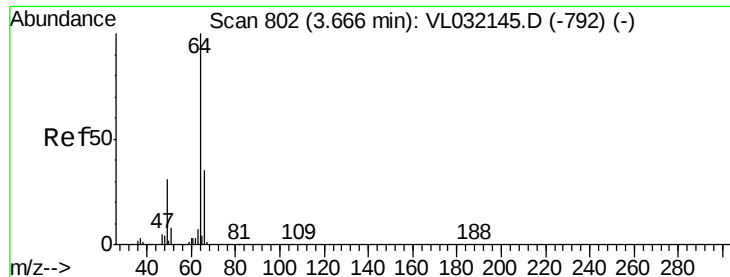
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.270 ppbv

RT: 3.67 min Scan# 802

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

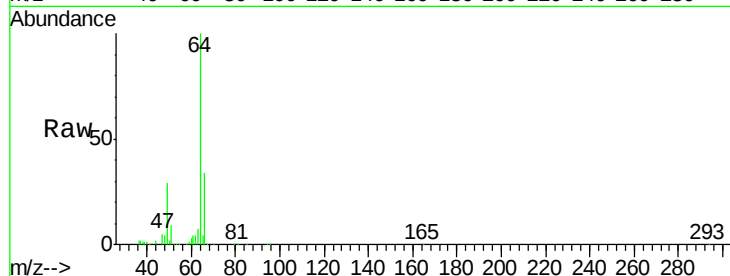
VSTDCCC010EC

Tgt Ion: 64 Resp: 324650

Ion Ratio Lower Upper

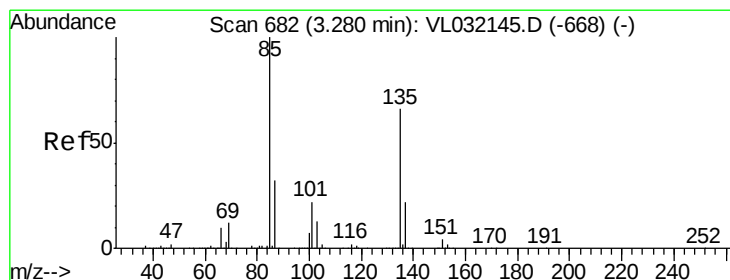
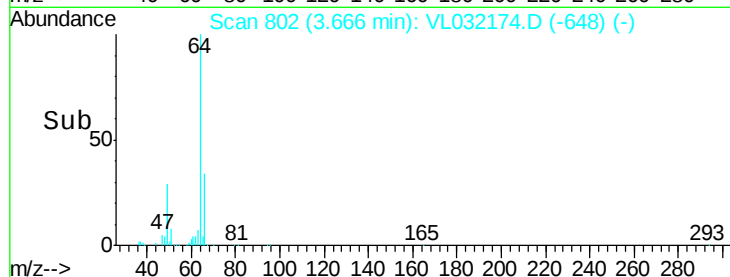
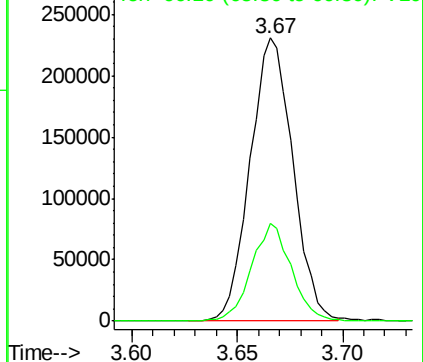
64 100

66 34.4 26.9 40.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.847 ppbv

RT: 3.28 min Scan# 682

Delta R.T. -0.01 min

Lab File: VL032174.D

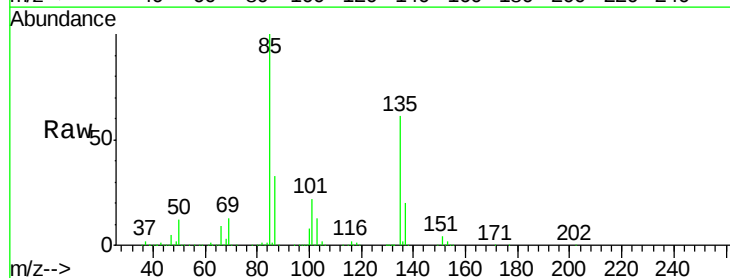
Acq: 30 Jun 2018 17:08

Tgt Ion: 85 Resp: 1763832

Ion Ratio Lower Upper

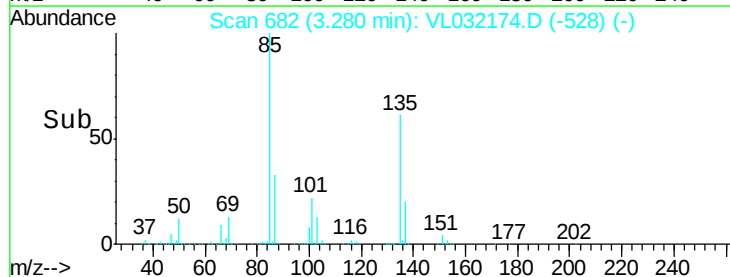
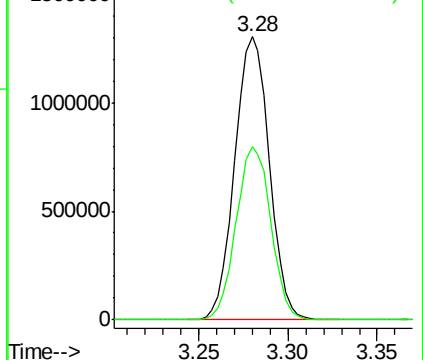
85 100

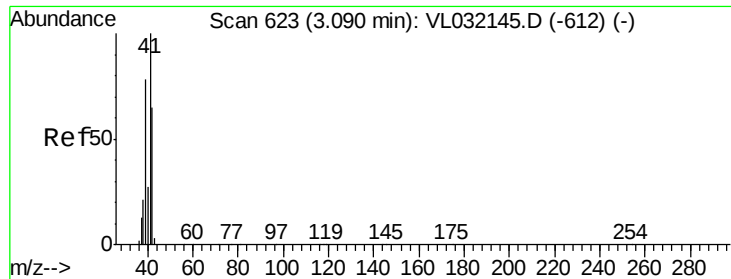
135 61.6 54.6 82.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.720 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

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ClientSampleId :

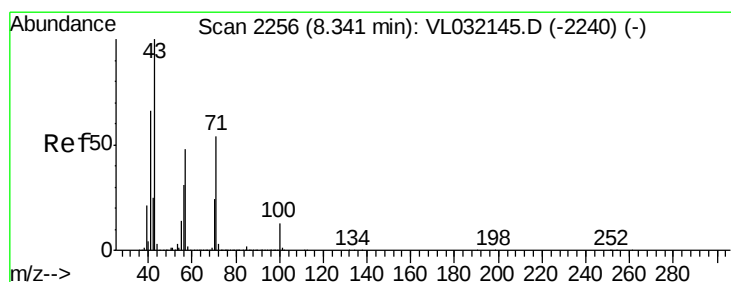
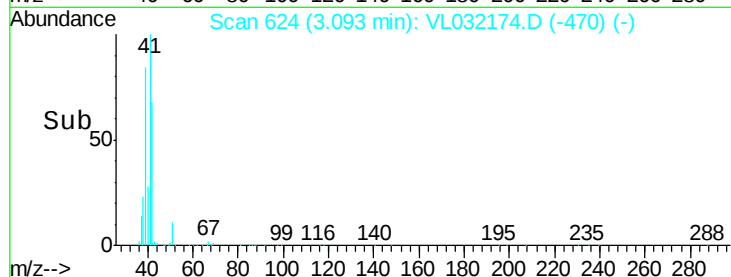
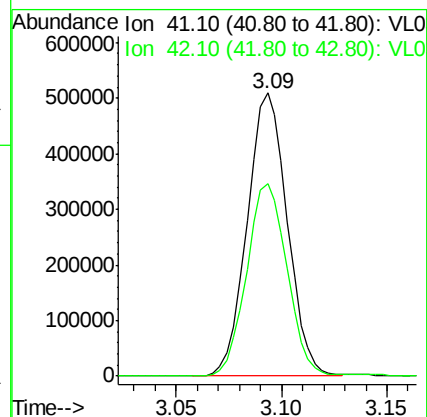
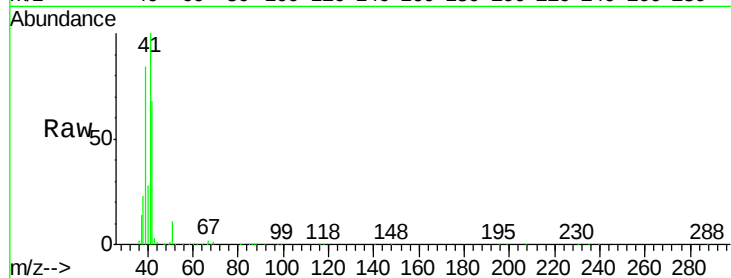
VSTDCCC010EC

Tgt Ion: 41 Resp: 673752

Ion Ratio Lower Upper

41 100

42 69.0 56.2 84.4



#10

Heptane

Concen: 9.240 ppbv

RT: 8.34 min Scan# 2257

Delta R.T. -0.01 min

Lab File: VL032174.D

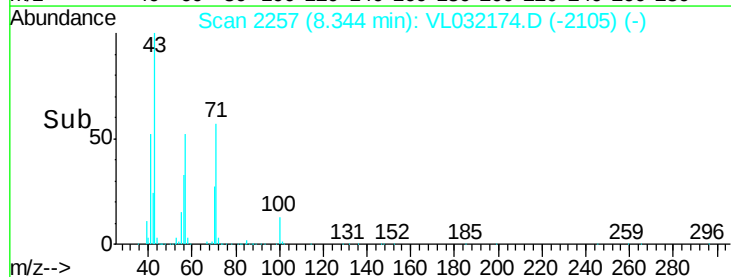
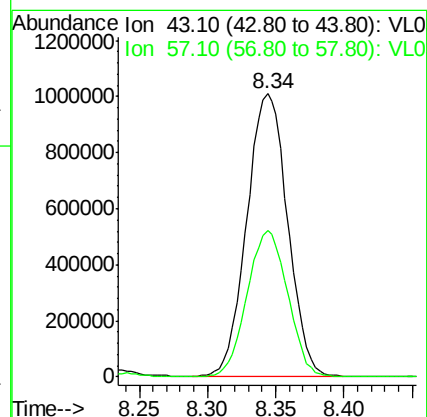
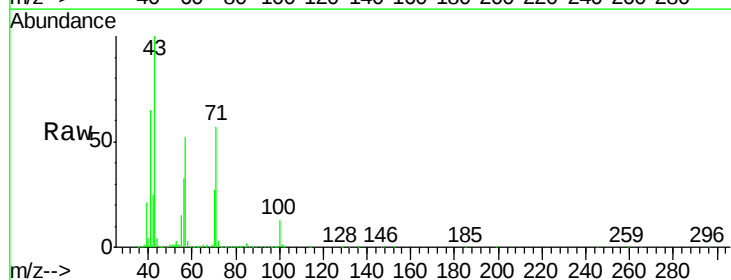
Acq: 30 Jun 2018 17:08

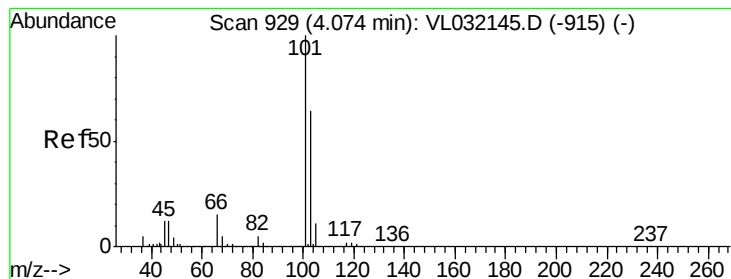
Tgt Ion: 43 Resp: 2081446

Ion Ratio Lower Upper

43 100

57 51.8 39.8 59.8





#11

Trichlorofluoromethane

Concen: 9.401 ppbv

RT: 4.07 min Scan# 929

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

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ClientSampleId :

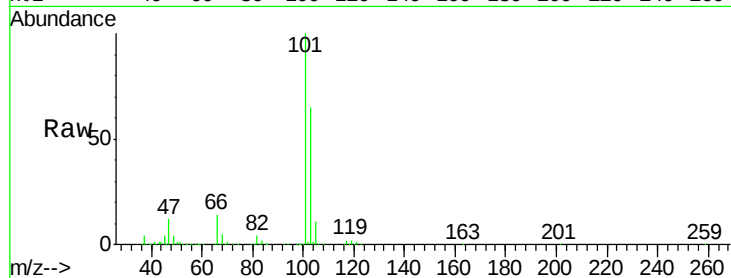
VSTDCCC010EC

Tgt Ion:101 Resp: 1817104

Ion Ratio Lower Upper

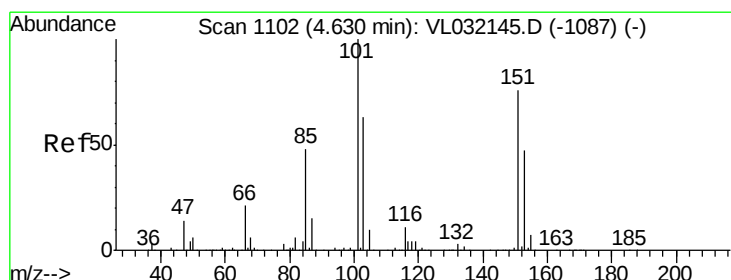
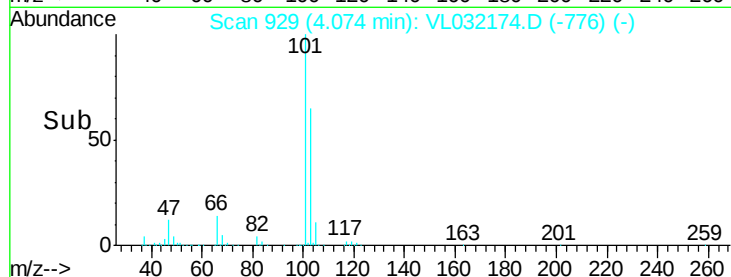
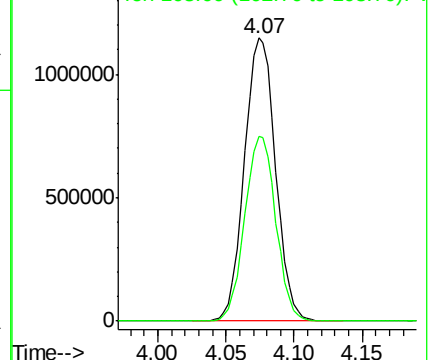
101 100

103 65.3 51.4 77.0



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: 9.067 ppbv

RT: 4.63 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VL032174.D

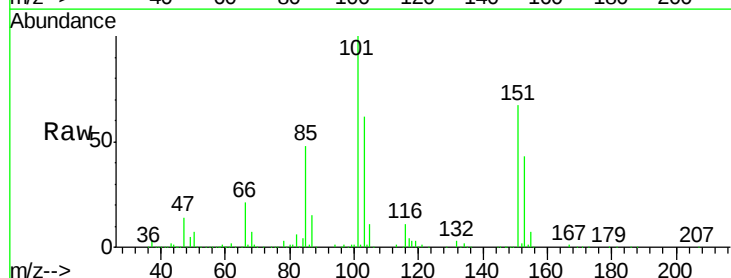
Acq: 30 Jun 2018 17:08

Tgt Ion:101 Resp: 1167145

Ion Ratio Lower Upper

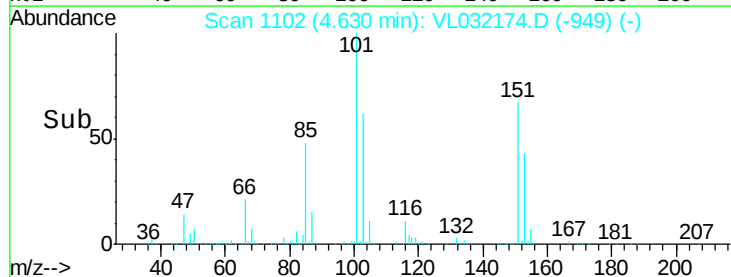
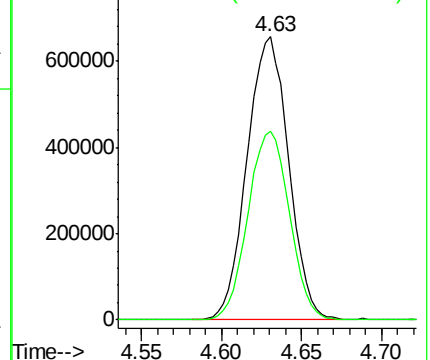
101 100

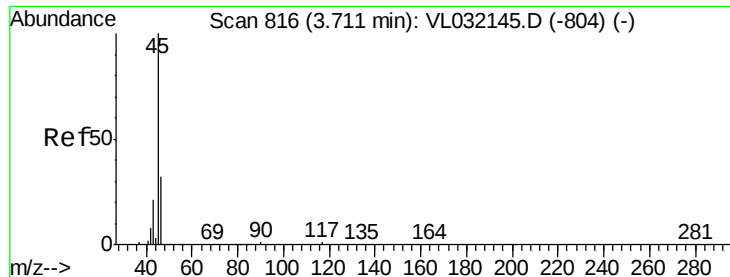
151 66.7 58.8 88.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.352 ppbv

RT: 3.72 min Scan# 819

Delta R.T. -0.00 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

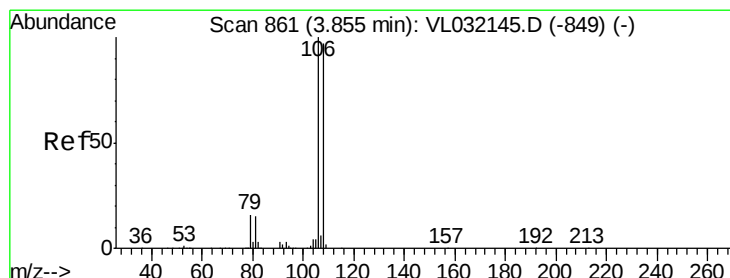
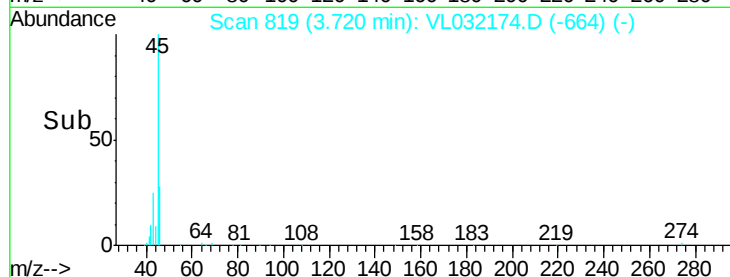
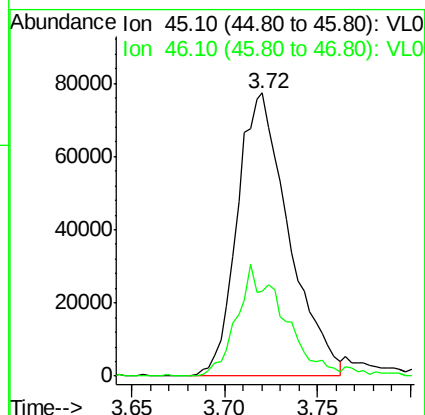
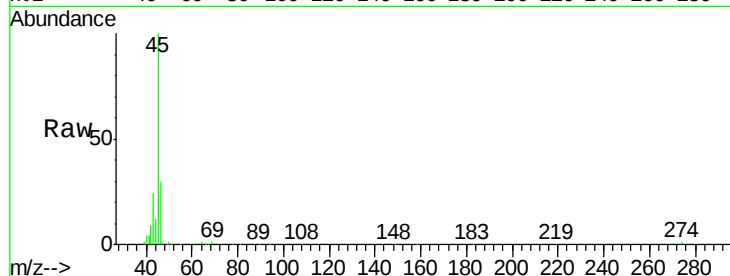
VSTDCCC010EC

Tgt Ion: 45 Resp: 148773

Ion Ratio Lower Upper

45 100

46 37.7 14.6 58.4



#14

Bromoethene

Concen: 9.143 ppbv

RT: 3.86 min Scan# 861

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

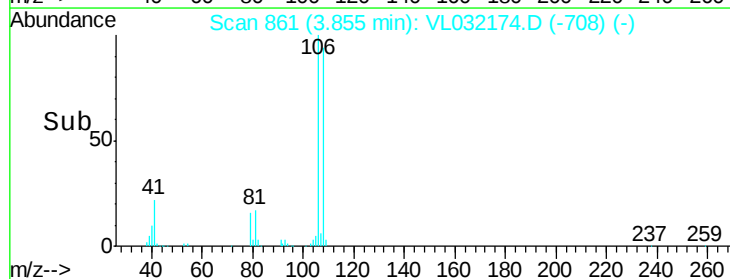
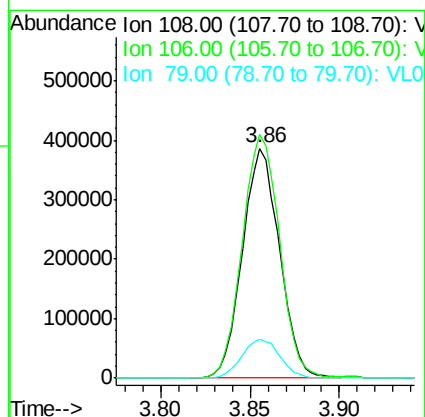
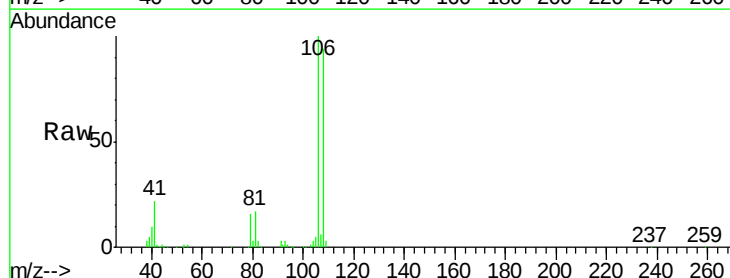
Tgt Ion: 108 Resp: 560011

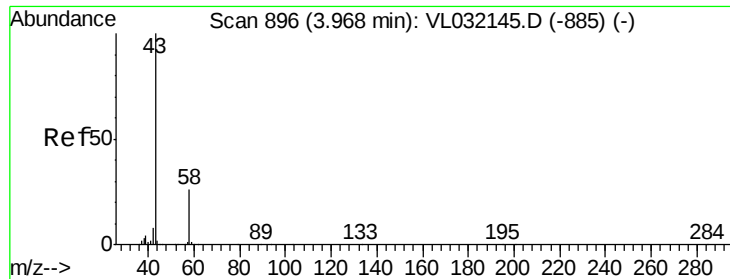
Ion Ratio Lower Upper

108 100

106 107.3 86.3 129.5

79 17.6 12.7 19.1





#15

Acetone

Concen: 8.869 ppbv

RT: 3.97 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

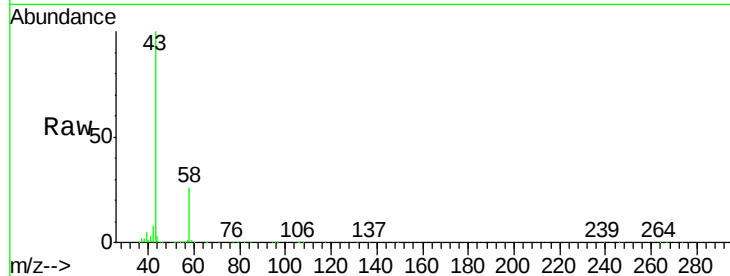
VSTDCCC010EC

Tgt Ion: 43 Resp: 1407085

Ion Ratio Lower Upper

43 100

58 26.6 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

1000000

800000

600000

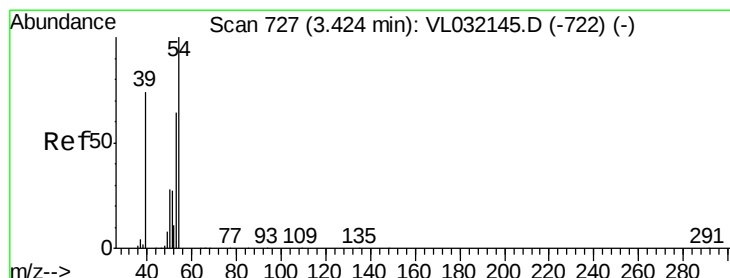
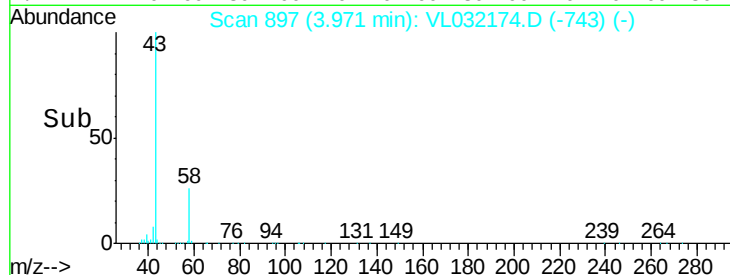
400000

200000

0

3.90 3.95 4.00 4.05

Time-->



#16

1,3-Butadiene

Concen: 9.731 ppbv

RT: 3.42 min Scan# 727

Delta R.T. -0.01 min

Lab File: VL032174.D

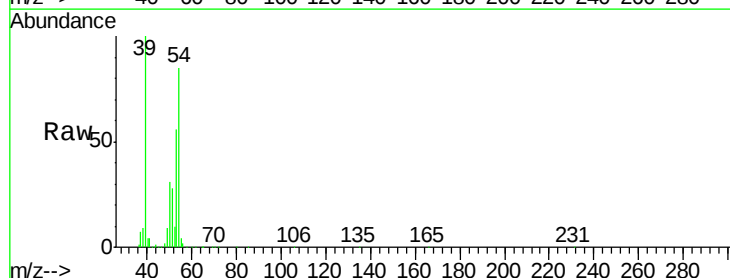
Acq: 30 Jun 2018 17:08

Tgt Ion: 39 Resp: 736709

Ion Ratio Lower Upper

39 100

54 87.0 75.8 113.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

600000

500000

400000

300000

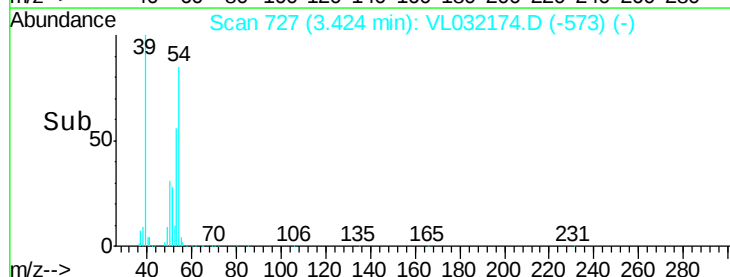
200000

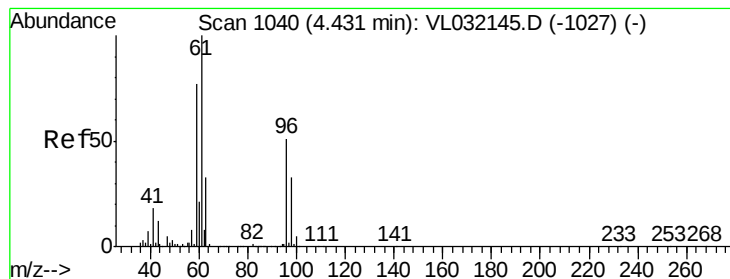
100000

0

3.40 3.45

Time-->





#17

tert-Butyl alcohol

Concen: 7.824 ppbv

RT: 4.43 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

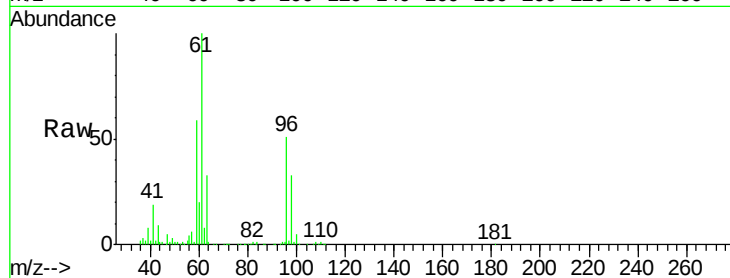
VSTDCCC010EC

Tgt Ion: 59 Resp: 790399

Ion Ratio Lower Upper

59 100

57 10.1 8.2 12.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.43

400000

300000

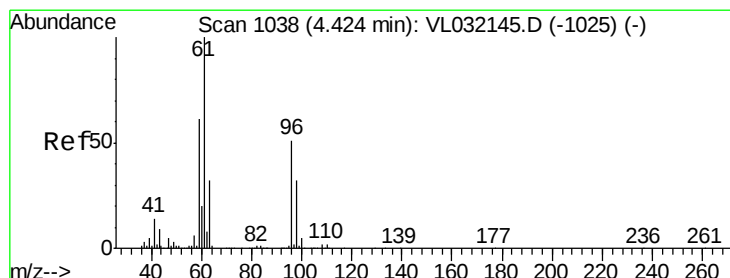
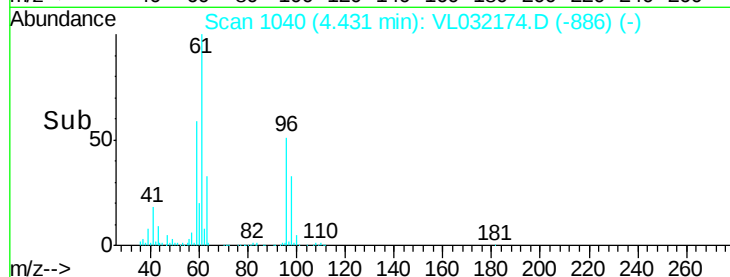
200000

100000

0

4.35 4.40 4.45 4.50 4.55

Time-->



#18

1,1-Dichloroethene

Concen: 8.942 ppbv

RT: 4.43 min Scan# 1039

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

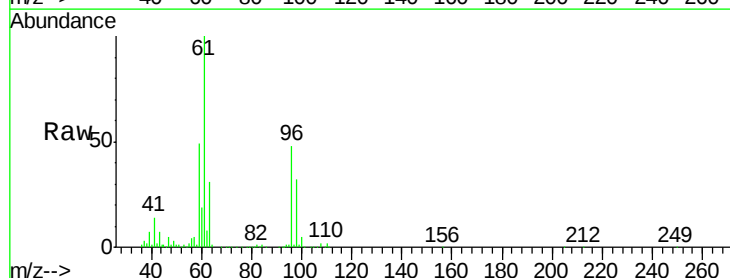
Tgt Ion: 96 Resp: 550613

Ion Ratio Lower Upper

96 100

61 210.0 154.1 231.1

98 67.2 50.3 75.5



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

1000000

800000

600000

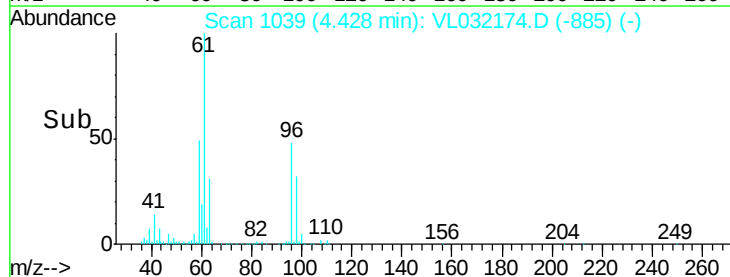
400000

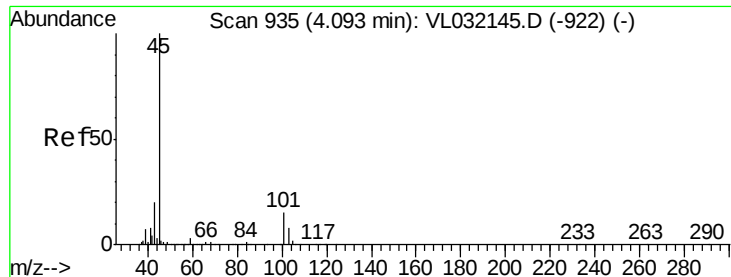
200000

0

4.35 4.40 4.45 4.50

Time-->





#19

Isopropyl Alcohol

Concen: 7.872 ppbv

RT: 4.10 min Scan# 936

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

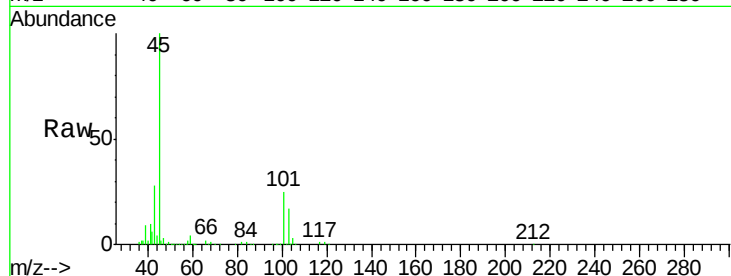
VSTDCCC010EC

Tgt Ion: 45 Resp: 1037703

Ion Ratio Lower Upper

45 100

58 1.9 29.4 44.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

4.10

600000

500000

400000

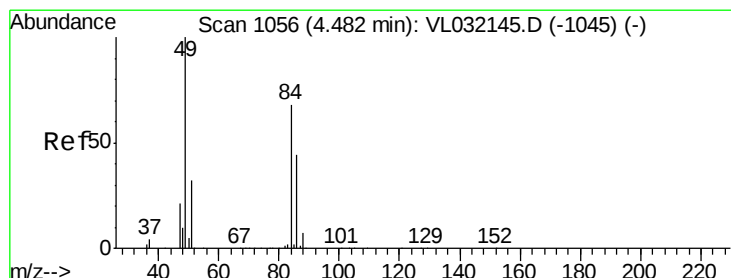
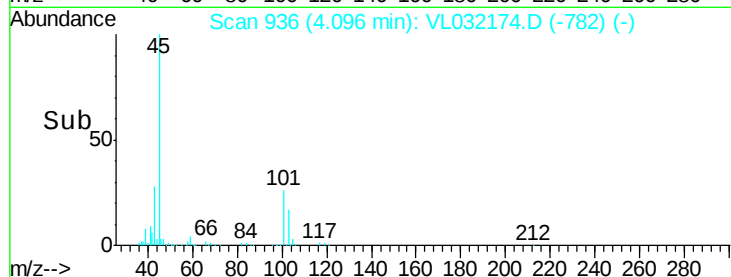
300000

200000

100000

0

Time--> 4.00 4.05 4.10 4.15 4.20



#20

Methylene Chloride

Concen: 8.577 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Tgt Ion: 84 Resp: 497256

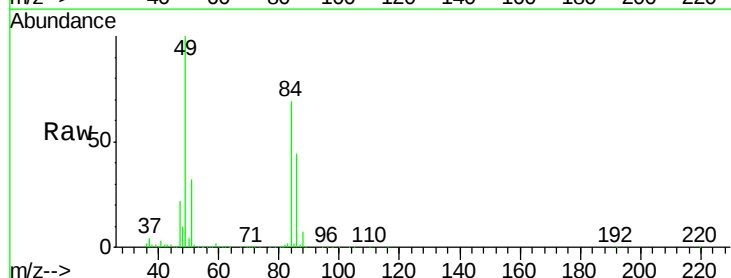
Ion Ratio Lower Upper

84 100

49 143.5 119.6 179.4

51 45.8 36.3 54.5

86 63.4 49.7 74.5



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

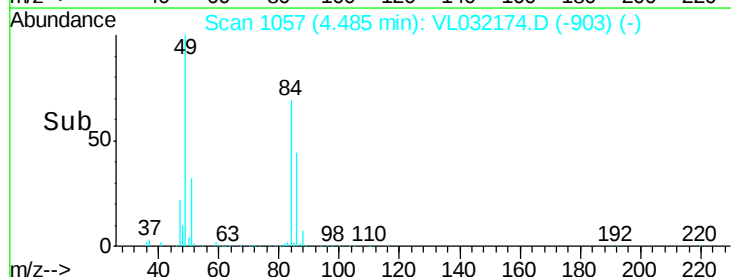
600000

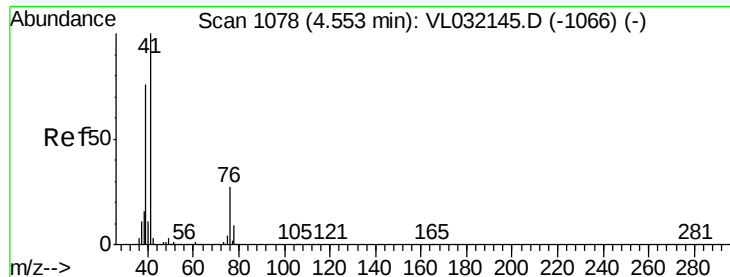
400000

200000

0

Time--> 4.45 4.50

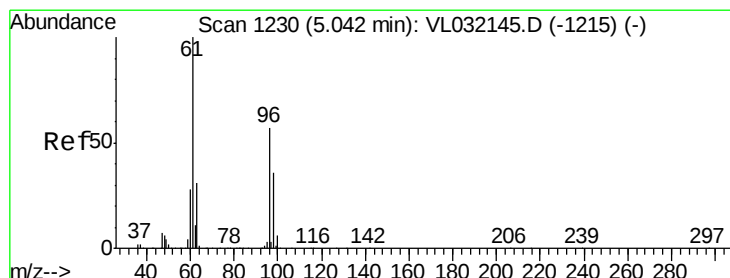
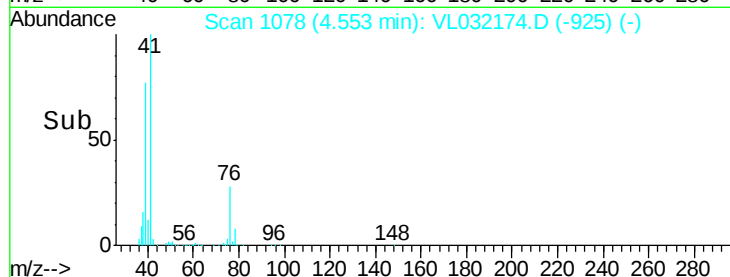
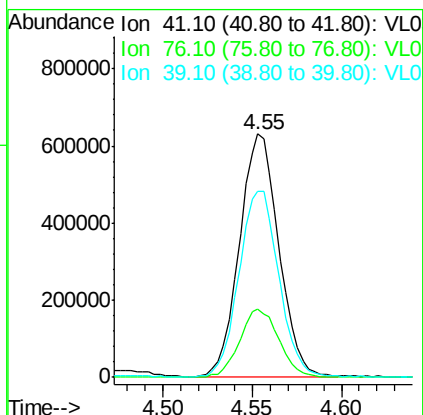
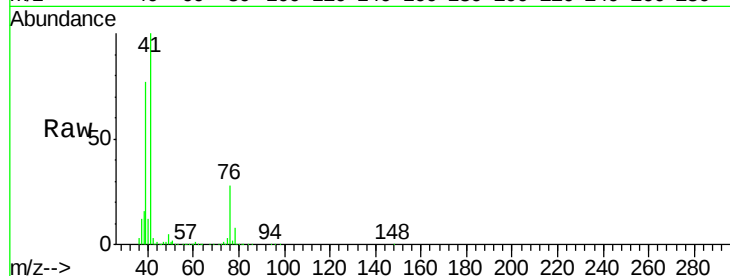




#21
 Allyl Chloride
 Concen: 8.919 ppbv
 RT: 4.55 min Scan# 1078
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

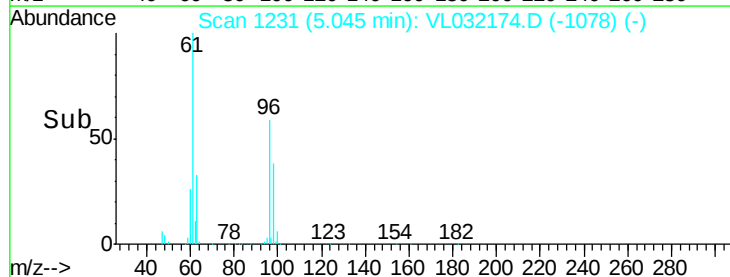
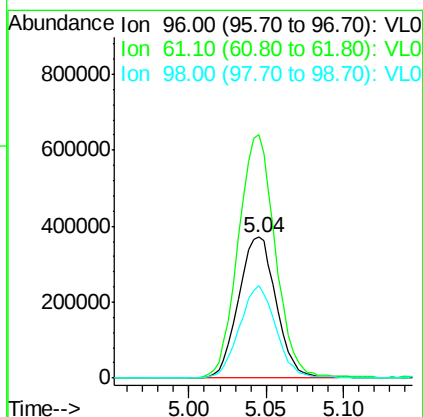
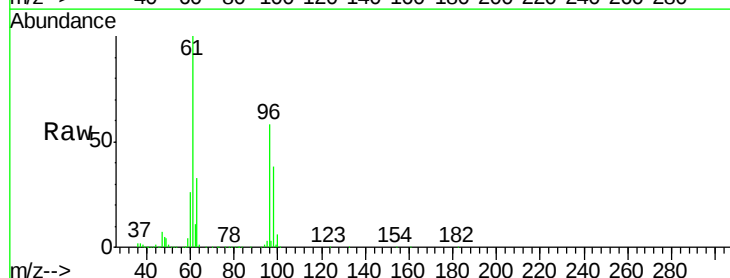
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

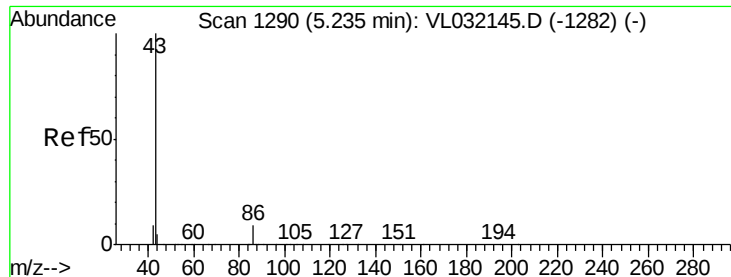
Tgt Ion:	41	Resp:	966295
Ion	Ratio	Lower	Upper
41	100		
76	28.5	22.5	33.7
39	78.7	60.5	90.7



#22
 trans-1,2-Dichloroethene
 Concen: 9.793 ppbv
 RT: 5.04 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

Tgt Ion:	96	Resp:	630436
Ion	Ratio	Lower	Upper
96	100		
61	172.5	135.2	202.8
98	65.4	49.7	74.5





#23

Vinyl Acetate

Concen: 9.005 ppbv

RT: 5.23 min Scan# 1290

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2590676

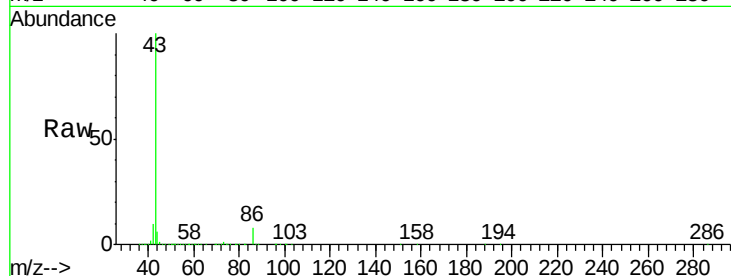
Ion Ratio Lower Upper

43 100

86 7.6 6.2 9.4

42 9.8 6.9 10.3

44 5.5 3.8 5.8

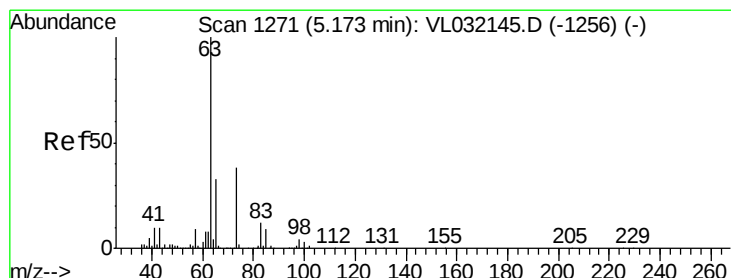
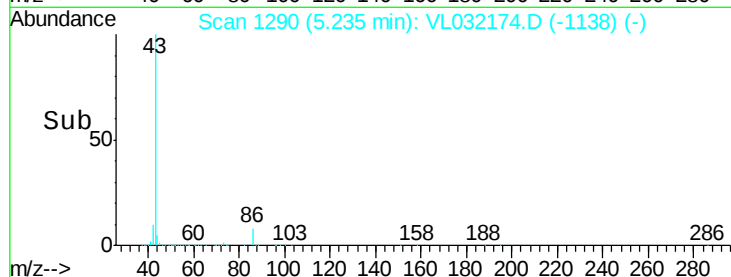
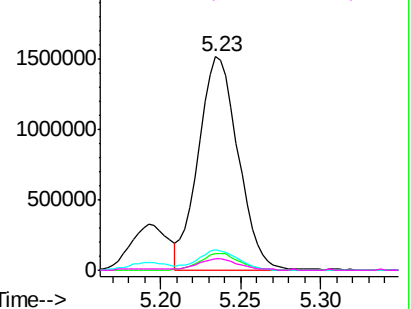


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.363 ppbv

RT: 5.17 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

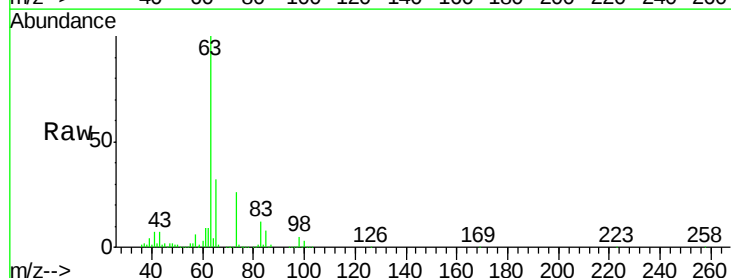
Tgt Ion: 63 Resp: 1725699

Ion Ratio Lower Upper

63 100

98 4.6 2.4 7.2

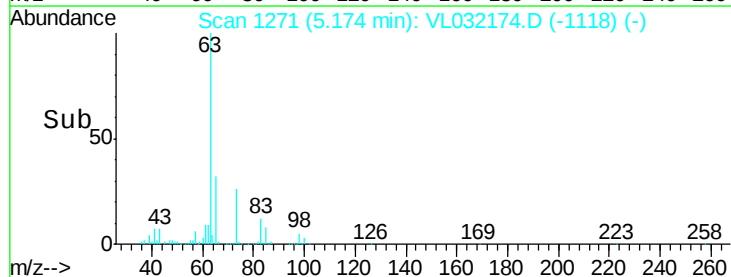
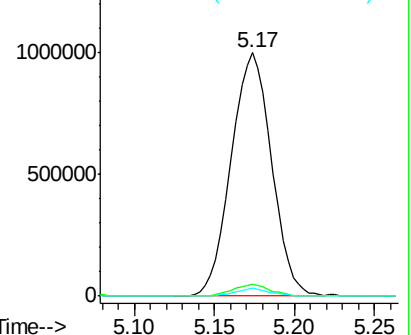
100 3.1 1.7 5.0

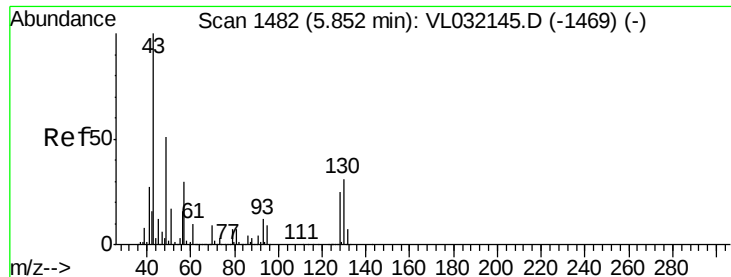


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



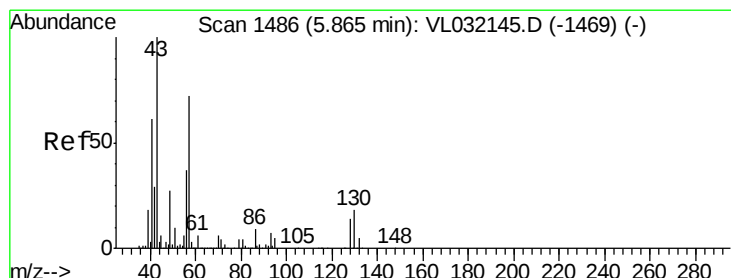
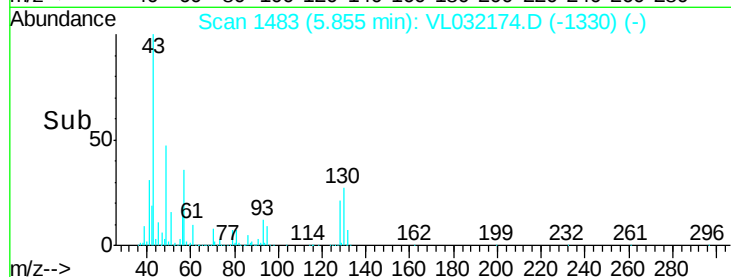
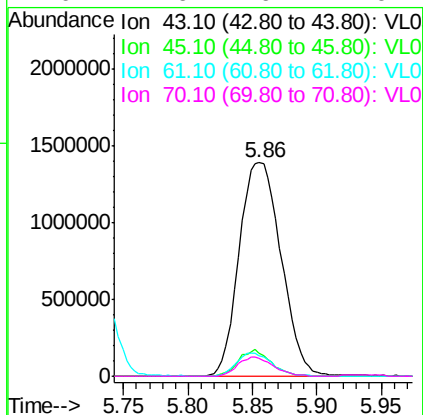
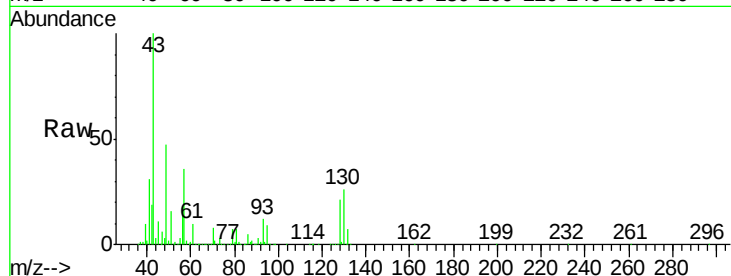


#25
Ethyl Acetate
Concen: 9.558 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 3137220

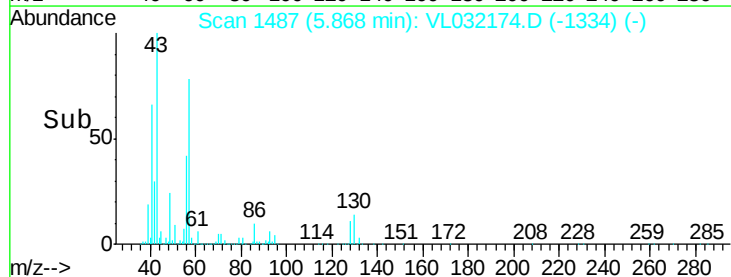
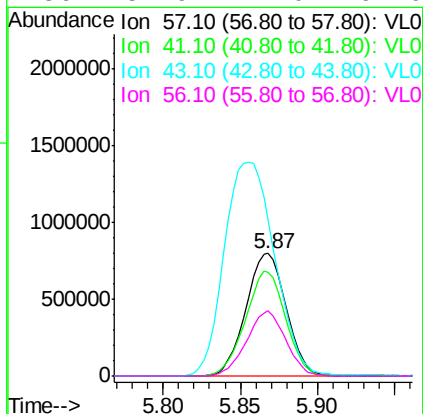
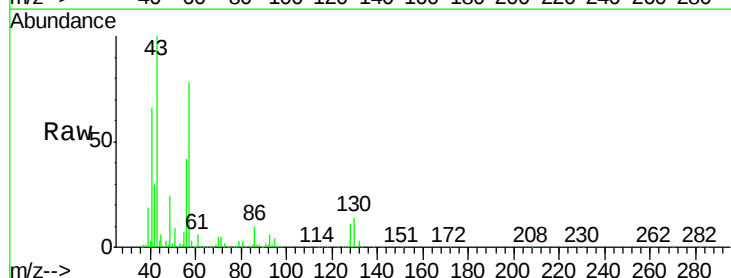
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.8	11.8
61	9.5	7.4	11.0
70	7.6	6.1	9.1

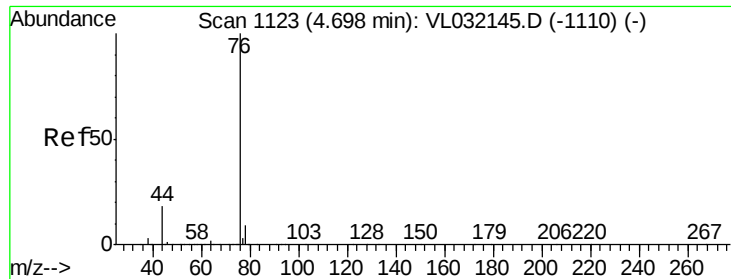


#26
Hexane
Concen: 9.520 ppbv
RT: 5.87 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Tgt Ion: 57 Resp: 1438936

Ion	Ratio	Lower	Upper
57	100		
41	85.2	68.6	103.0
43	219.3	168.6	252.8
56	51.9	41.0	61.6





#27

Carbon Disulfide

Concen: 9.234 ppbv

RT: 4.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

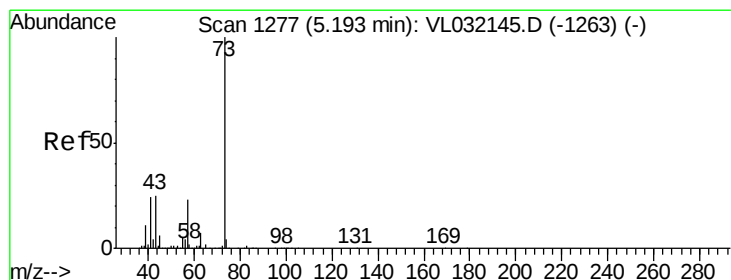
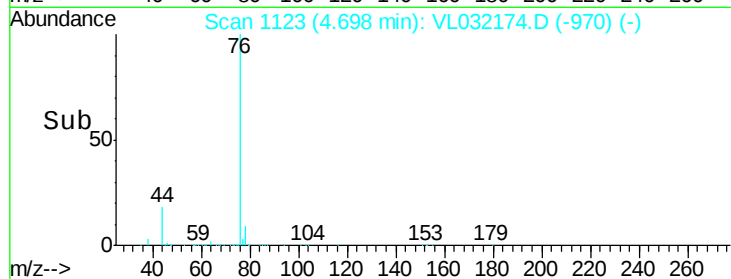
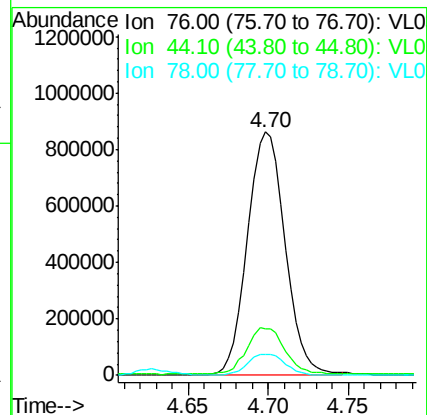
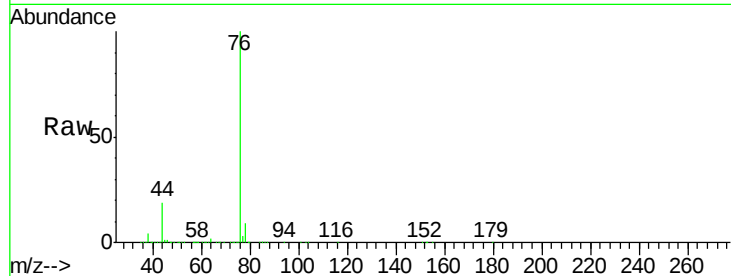
Tgt Ion: 76 Resp: 1387556

Ion Ratio Lower Upper

76 100

44 19.9 15.1 22.7

78 8.8 7.2 10.8



#28

Methyl tert-Butyl Ether

Concen: 8.819 ppbv

RT: 5.19 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL032174.D

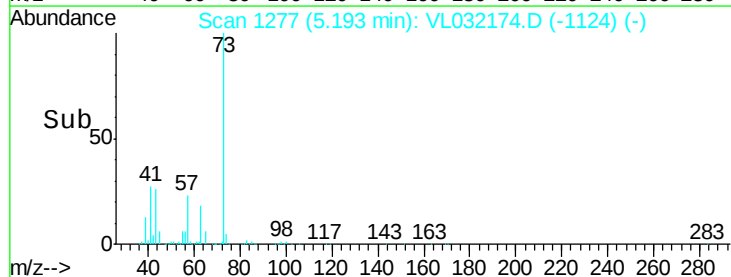
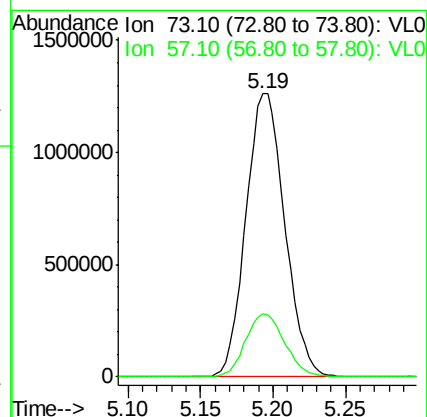
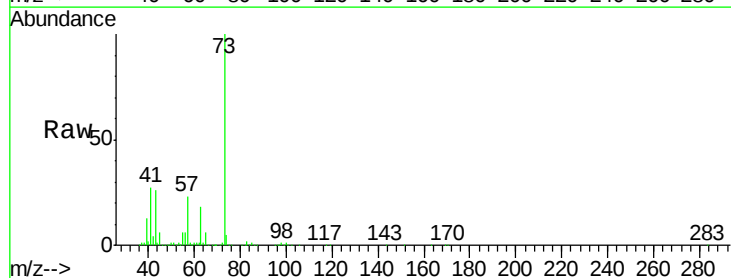
Acq: 30 Jun 2018 17:08

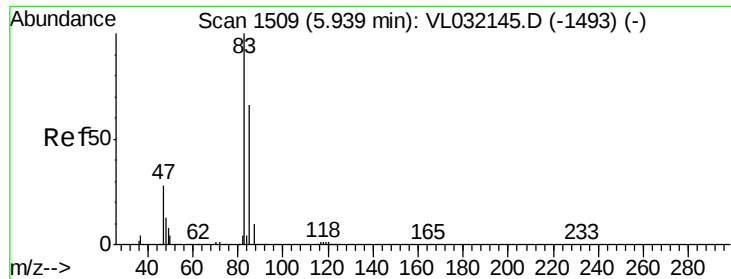
Tgt Ion: 73 Resp: 2356002

Ion Ratio Lower Upper

73 100

57 22.6 18.6 27.8

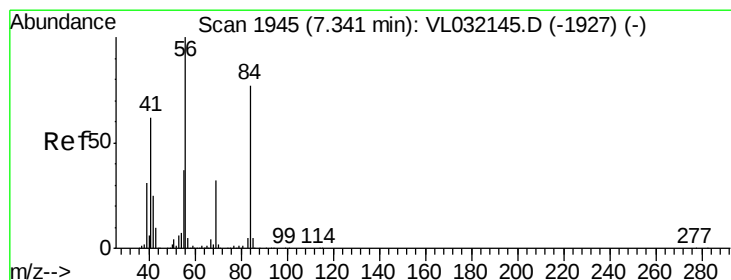
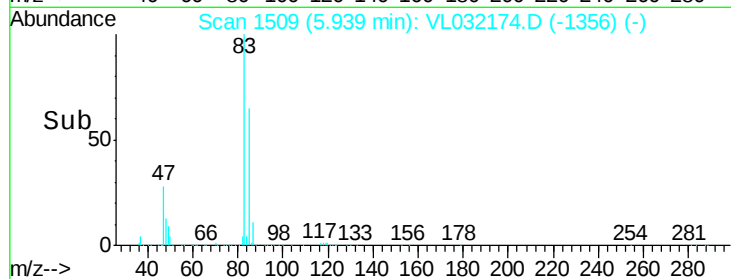
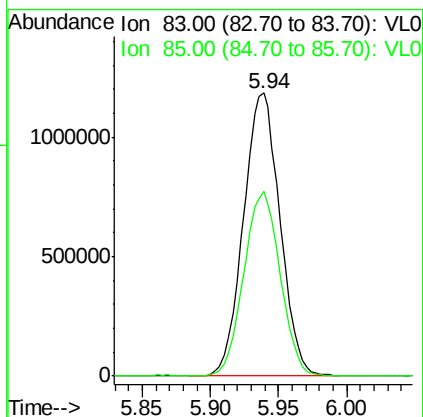
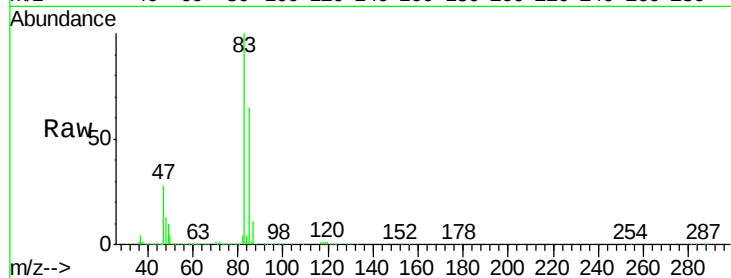




#29
Chloroform
Concen: 10.003 ppbv
RT: 5.94 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

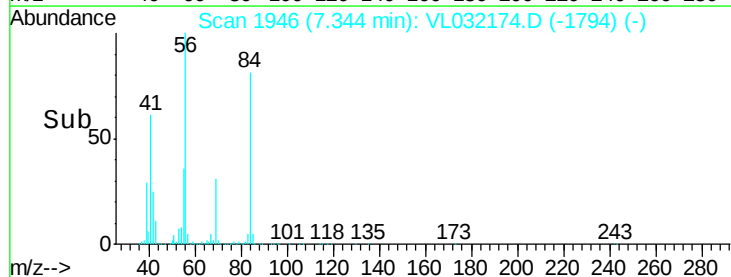
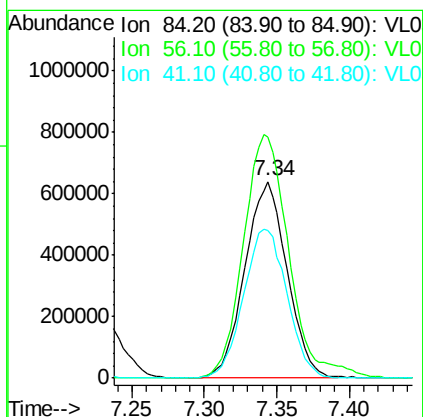
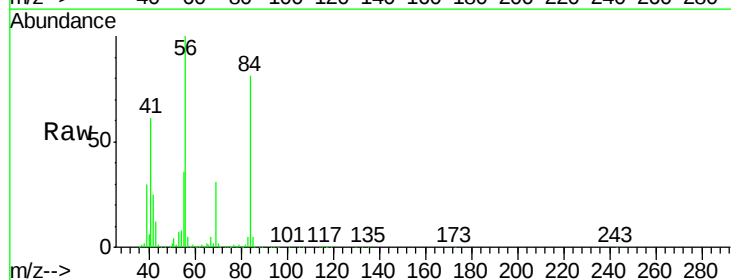
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

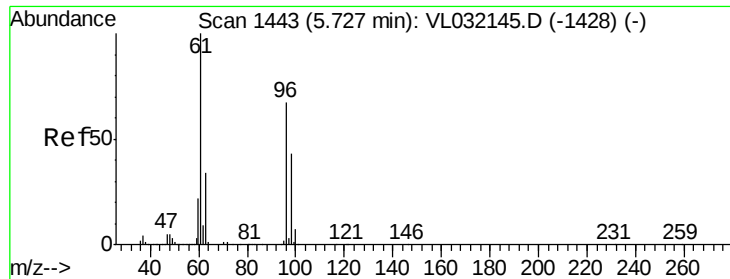
Tgt Ion: 83 Resp: 2200999
Ion Ratio Lower Upper
83 100
85 64.9 51.6 77.4



#30
Cyclohexane
Concen: 9.088 ppbv
RT: 7.34 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Tgt Ion: 84 Resp: 1294761
Ion Ratio Lower Upper
84 100
56 134.2 109.1 163.7
41 78.1 64.6 96.8





#31

cis-1,2-Dichloroethene

Concen: 9.941 ppbv

RT: 5.73 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

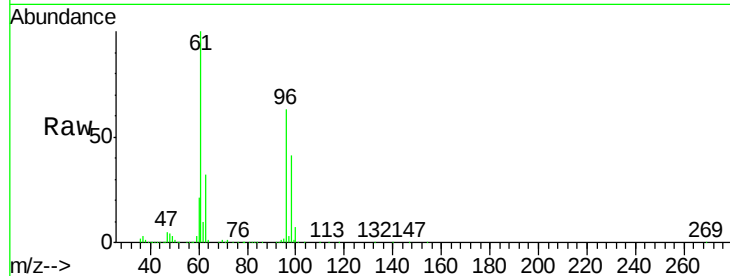
Tgt Ion: 61 Resp: 1501754

Ion Ratio Lower Upper

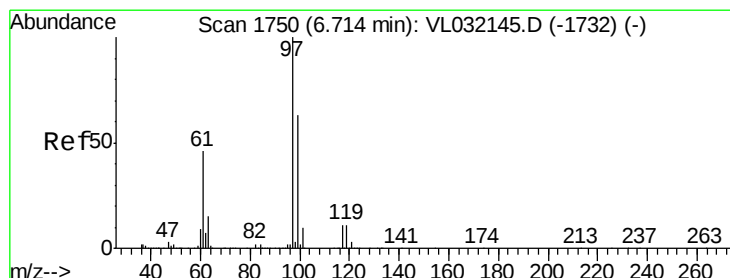
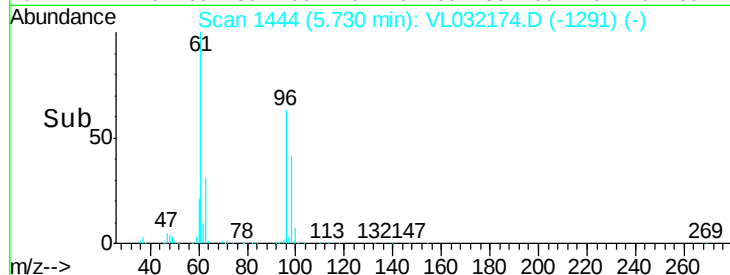
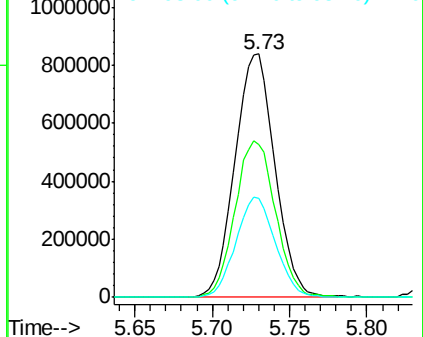
61 100

96 62.7 54.2 81.4

98 40.5 34.6 52.0



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: 9.026 ppbv

RT: 6.71 min Scan# 1750

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

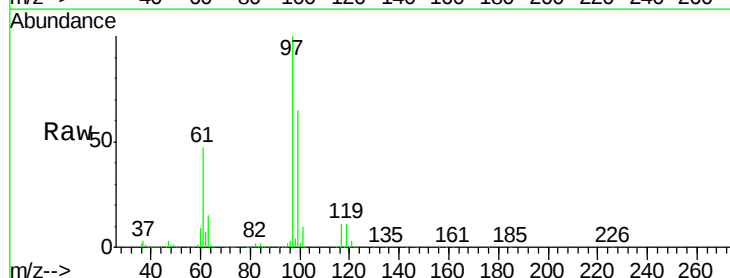
Tgt Ion: 97 Resp: 2081832

Ion Ratio Lower Upper

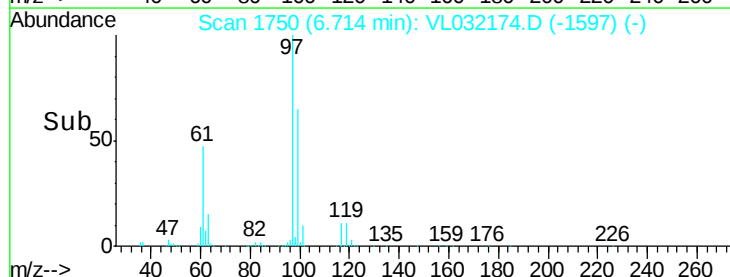
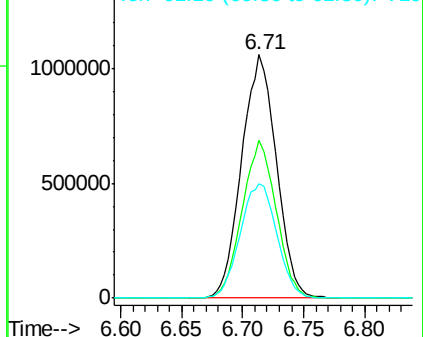
97 100

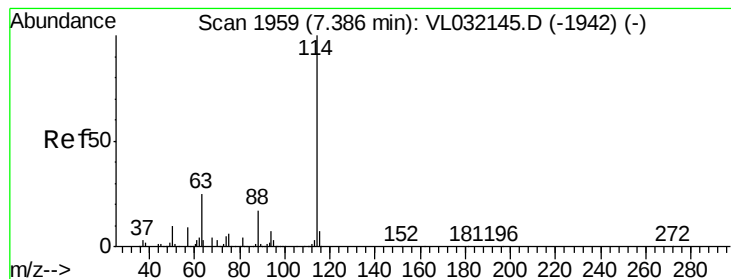
99 63.6 51.3 76.9

61 49.8 38.4 57.6



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: 7.39 min Scan# 1960

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

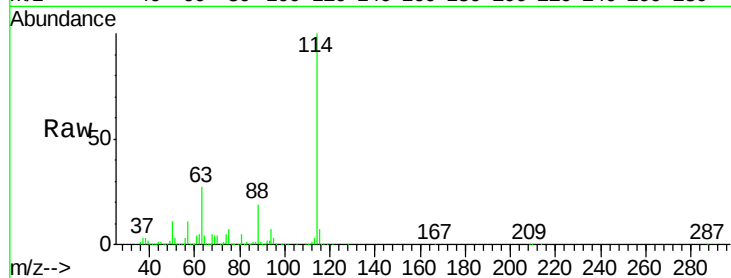
Tgt Ion:114 Resp: 3175176

Ion Ratio Lower Upper

114 100

63 27.2 19.1 28.7

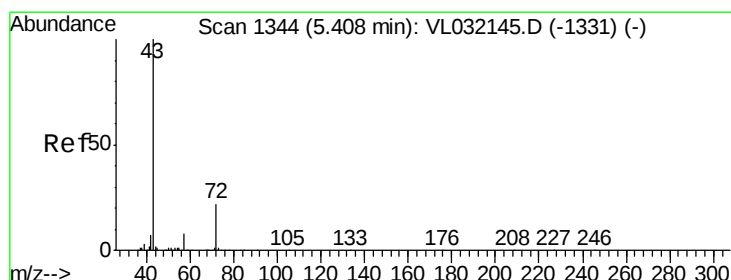
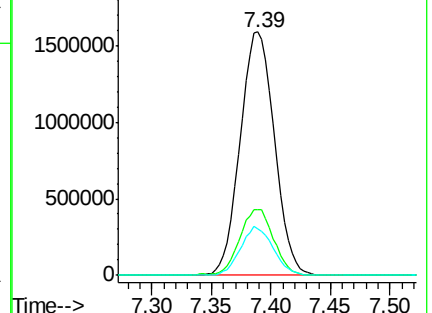
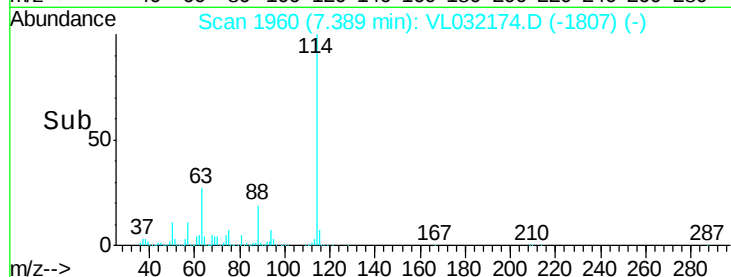
88 19.0 13.9 20.9



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: 10.090 ppbv

RT: 5.41 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VL032174.D

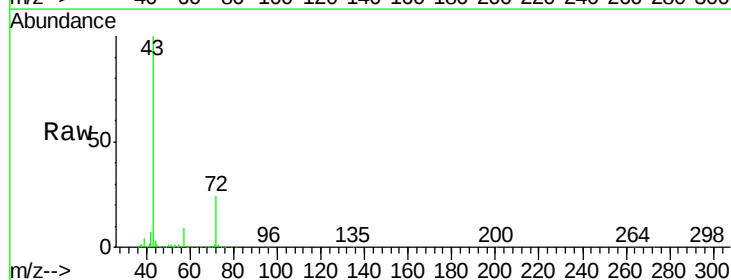
Acq: 30 Jun 2018 17:08

Tgt Ion: 43 Resp: 2033356

Ion Ratio Lower Upper

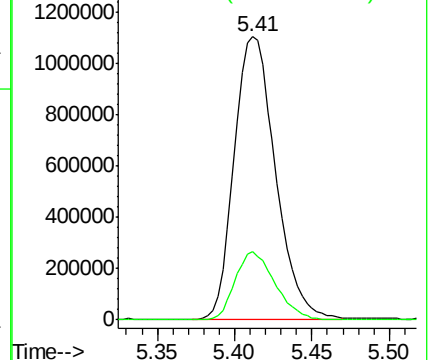
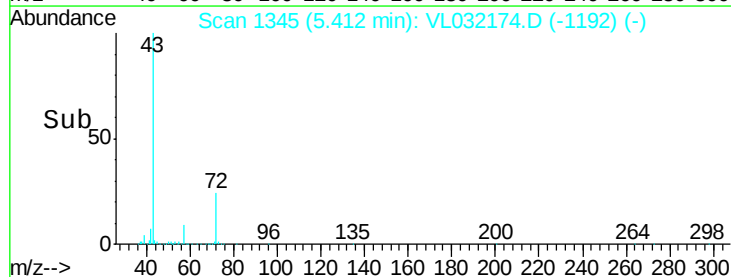
43 100

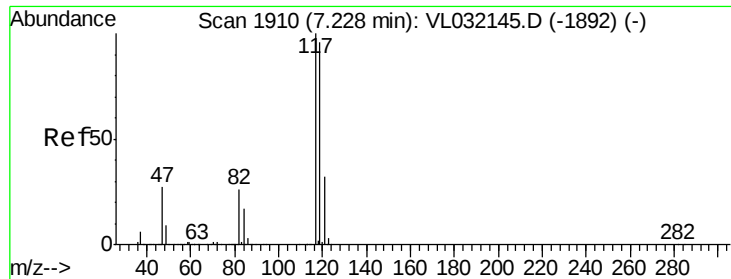
72 23.6 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.711 ppbv

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

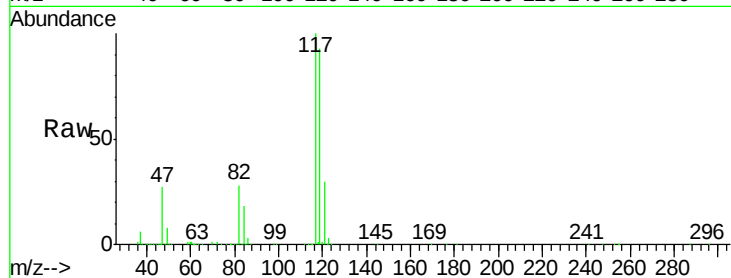
Tgt Ion:117 Resp: 2110718

Ion Ratio Lower Upper

117 100

119 92.9 74.8 112.2

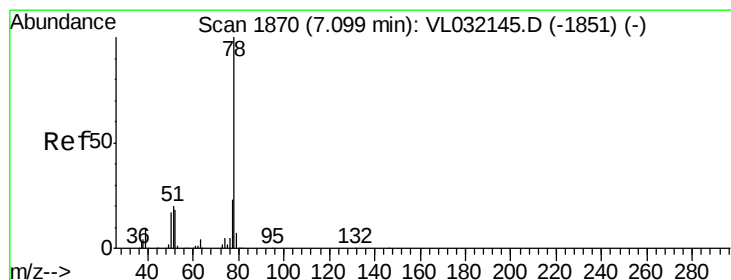
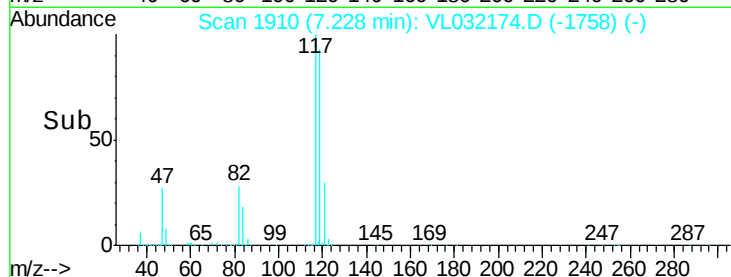
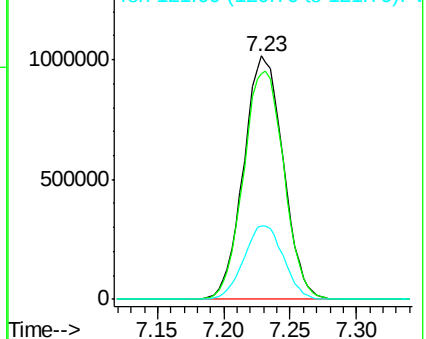
121 30.3 24.0 36.0



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: 10.075 ppbv

RT: 7.10 min Scan# 1870

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

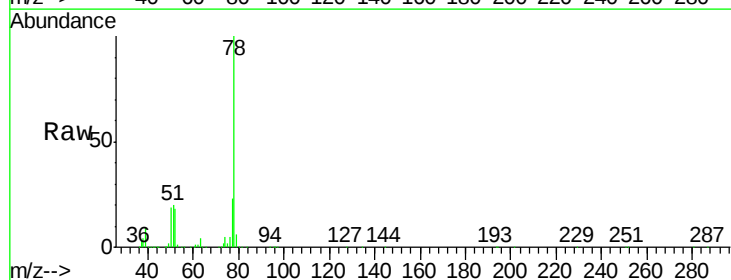
Tgt Ion: 78 Resp: 3096313

Ion Ratio Lower Upper

78 100

77 22.8 17.7 26.5

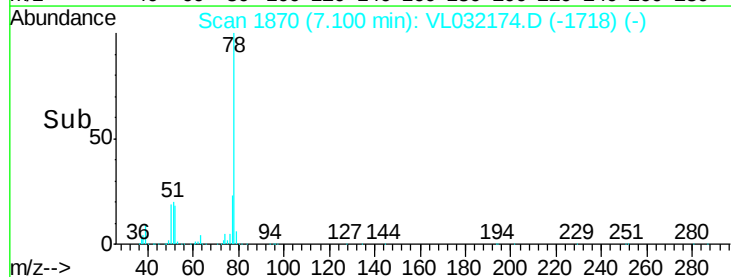
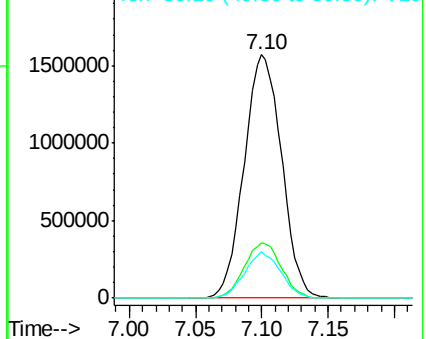
50 19.0 14.0 21.0

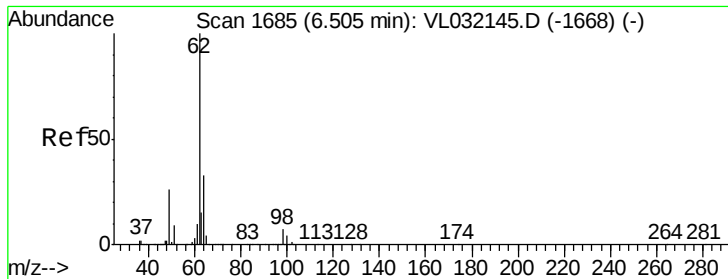


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

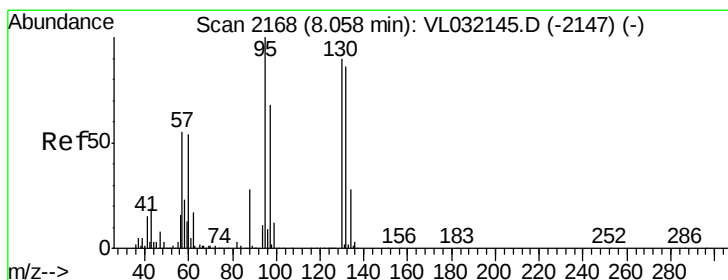
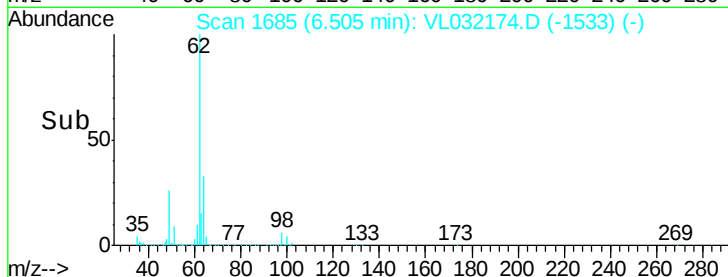
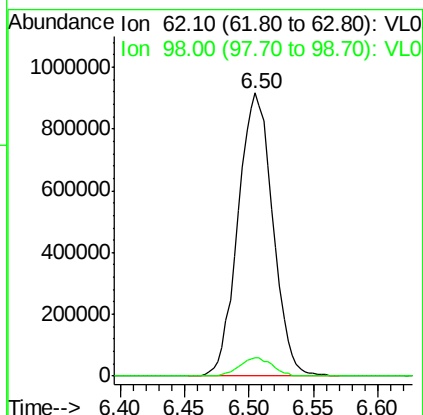
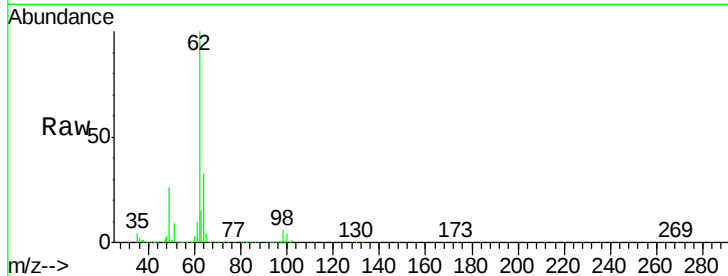




#37
 1,2-Dichloroethane
 Concen: 11.222 ppbv
 RT: 6.50 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

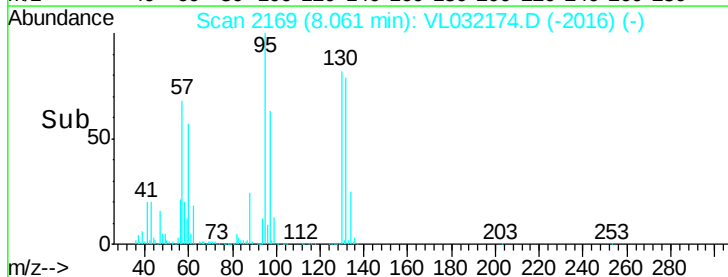
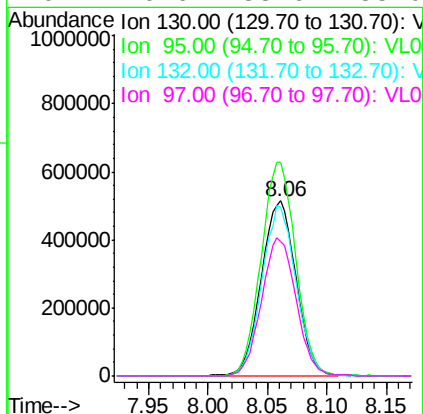
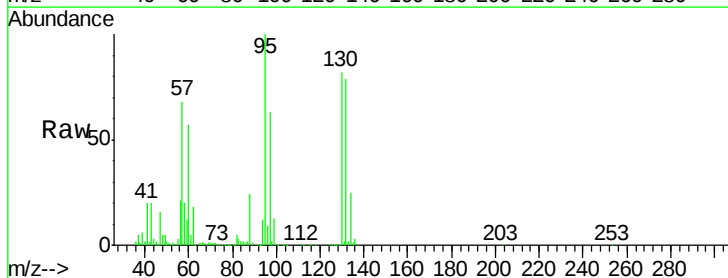
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

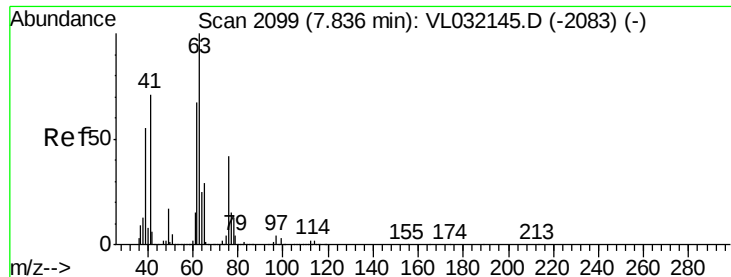
Tgt Ion: 62 Resp: 1718244
 Ion Ratio Lower Upper
 62 100
 98 6.3 5.8 8.6



#38
 Trichloroethene
 Concen: 8.680 ppbv
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

Tgt Ion: 130 Resp: 1042056
 Ion Ratio Lower Upper
 130 100
 95 122.0 88.1 132.1
 132 96.8 74.6 112.0
 97 76.6 58.6 88.0



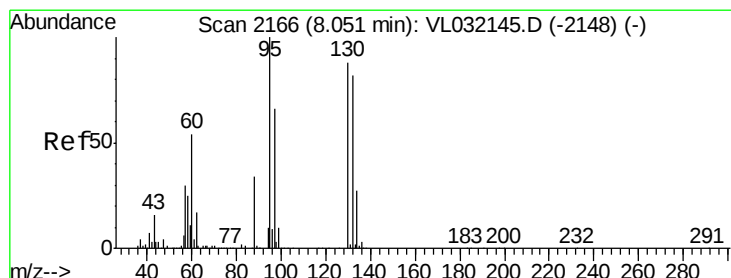
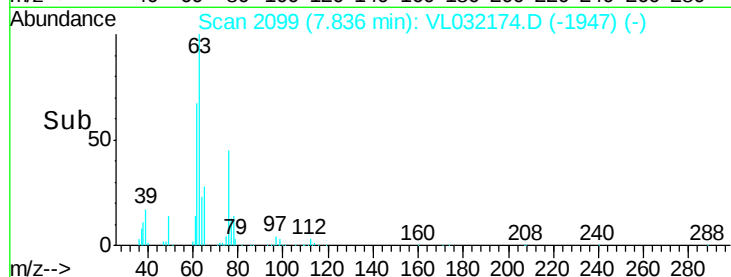
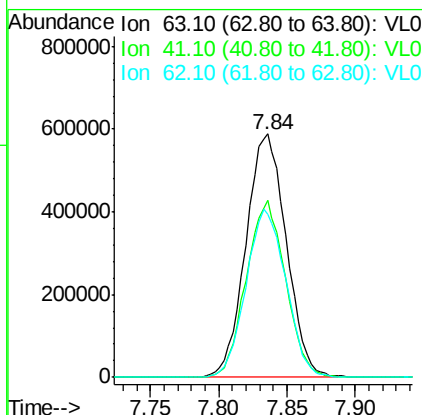
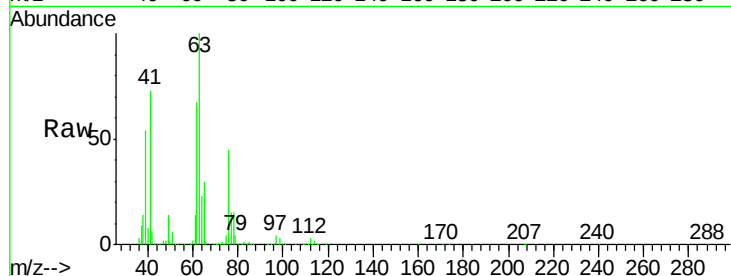


#39
 1,2-Dichloropropane
 Concen: 9.977 ppbv
 RT: 7.84 min Scan# 2099
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 63 Resp: 1209211

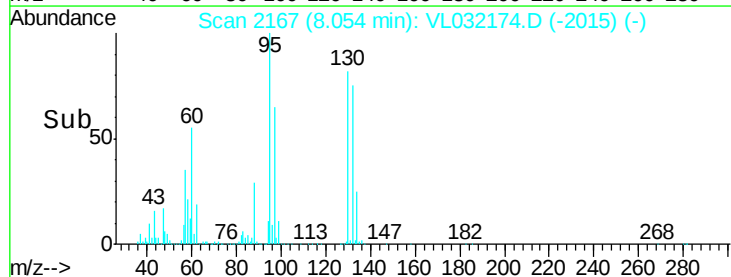
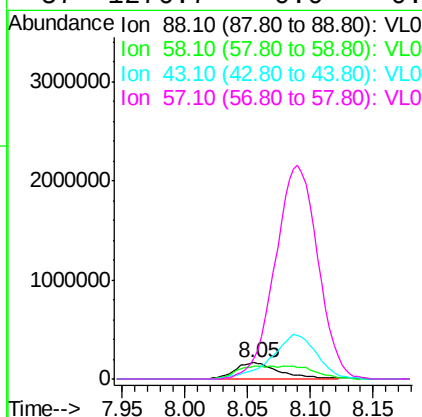
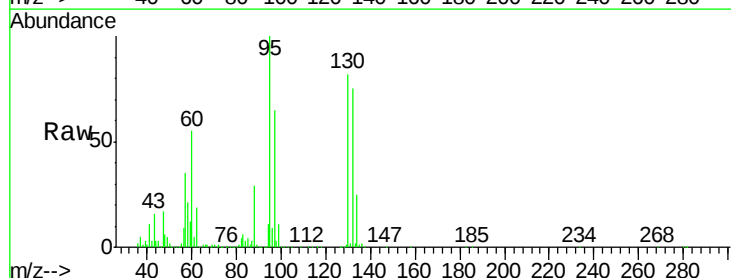
Ion	Ratio	Lower	Upper
63	100		
41	72.6	53.3	79.9
62	67.1	54.8	82.2

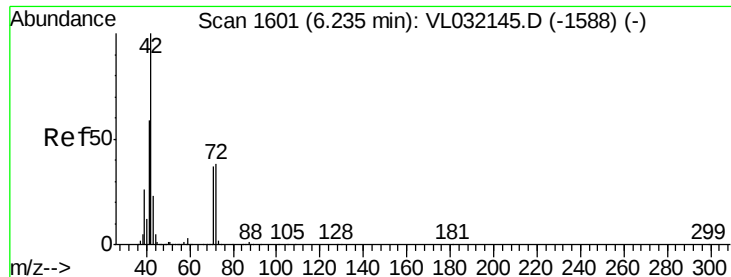


#40
 1,4-Dioxane
 Concen: 8.468 ppbv
 RT: 8.05 min Scan# 2167
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

Tgt Ion: 88 Resp: 402490

Ion	Ratio	Lower	Upper
88	100		
58	135.7	47.4	71.0#
43	280.1	0.0	0.0#
57	1276.7	0.0	0.0#

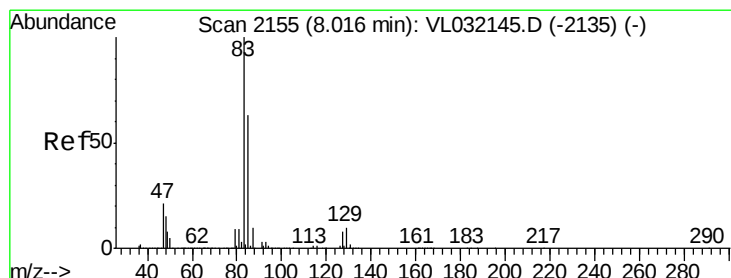
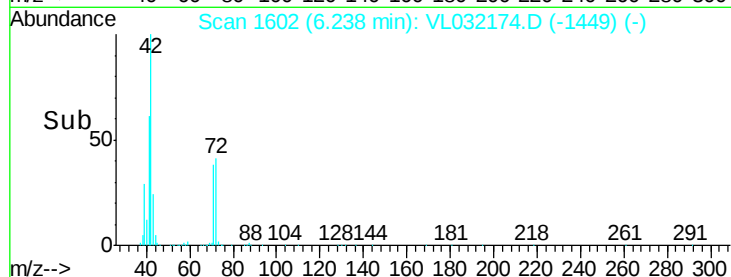
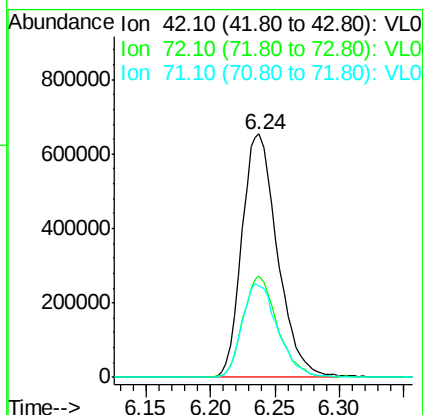
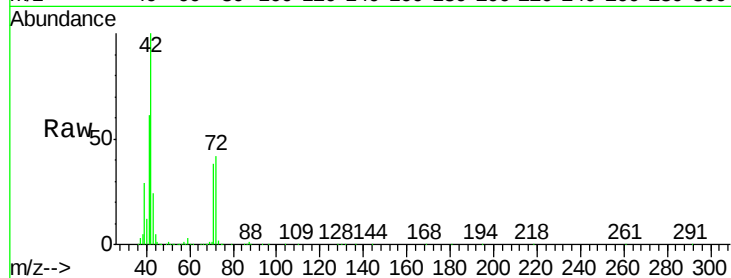




#41
Tetrahydrofuran
Concen: 10.387 ppbv
RT: 6.24 min Scan# 1602
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

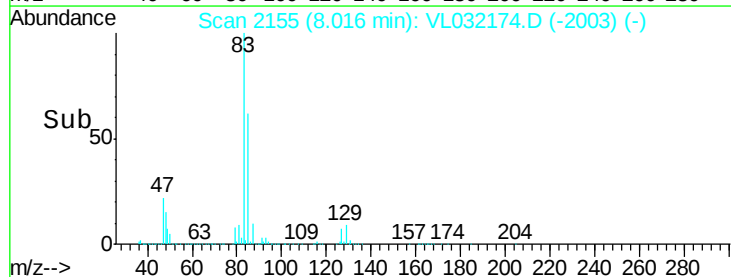
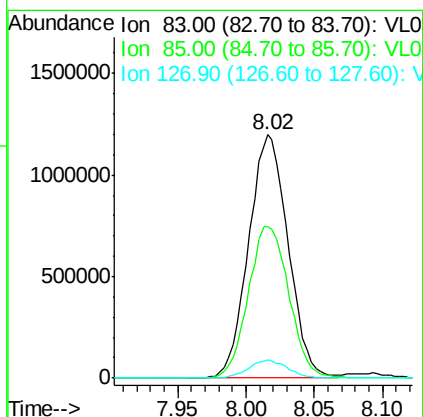
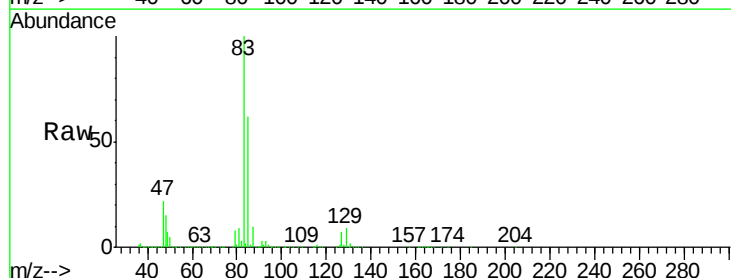
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

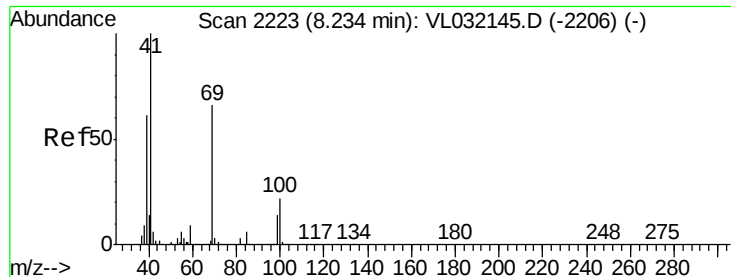
Tgt Ion: 42 Resp: 1254821
Ion Ratio Lower Upper
42 100
72 40.6 31.1 46.7
71 39.0 29.5 44.3



#42
Bromodichloromethane
Concen: 10.045 ppbv
RT: 8.02 min Scan# 2155
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Tgt Ion: 83 Resp: 2410675
Ion Ratio Lower Upper
83 100
85 62.4 52.6 79.0
127 7.3 6.5 9.7

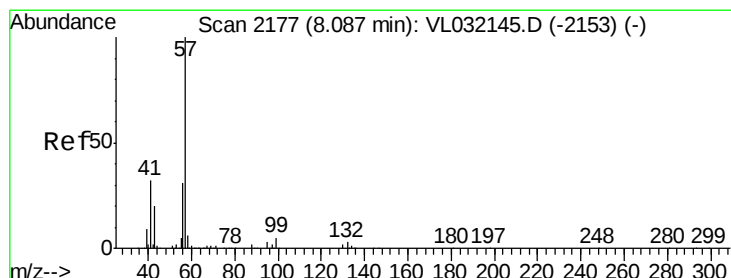
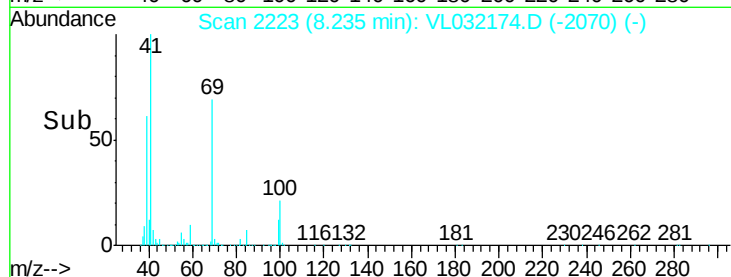
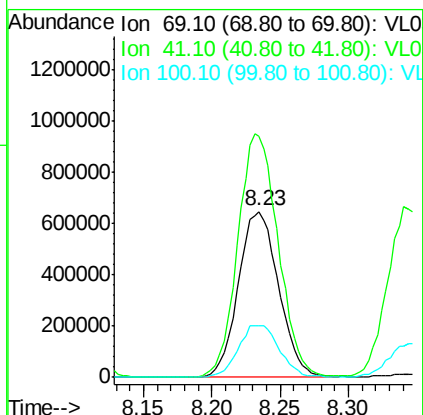
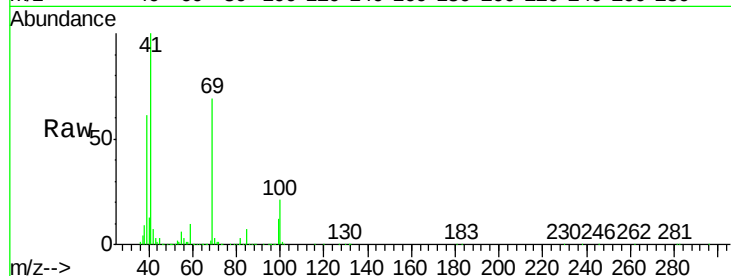




#43
Methyl Methacrylate
Concen: 10.453 ppbv
RT: 8.23 min Scan# 2223
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

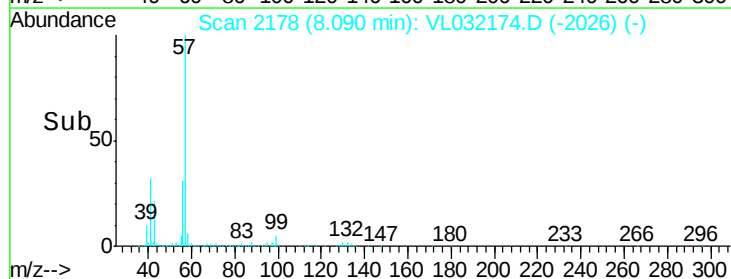
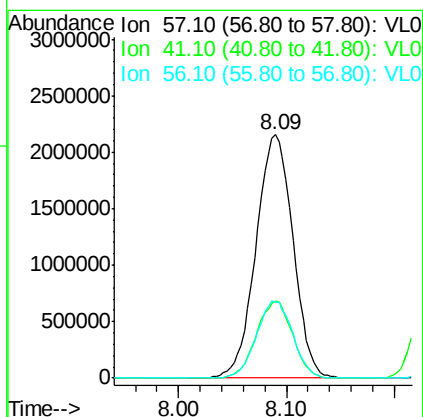
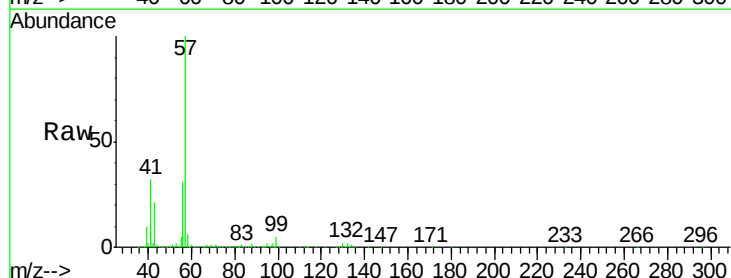
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

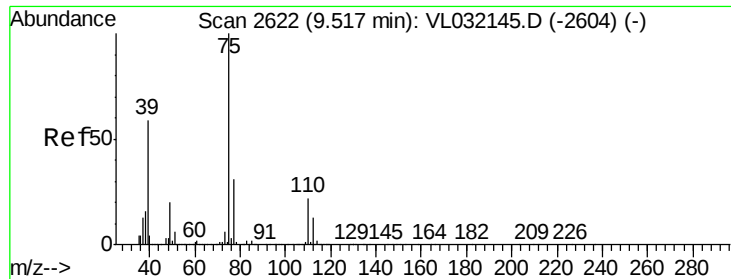
Tgt Ion: 69 Resp: 1331500
Ion Ratio Lower Upper
69 100
41 145.9 118.2 177.4
100 31.7 27.4 41.2



#44
2,2,4-Trimethylpentane
Concen: 9.539 ppbv
RT: 8.09 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Tgt Ion: 57 Resp: 5129419
Ion Ratio Lower Upper
57 100
41 31.0 24.3 36.5
56 31.1 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 10.197 ppbv

RT: 9.52 min Scan# 2622

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

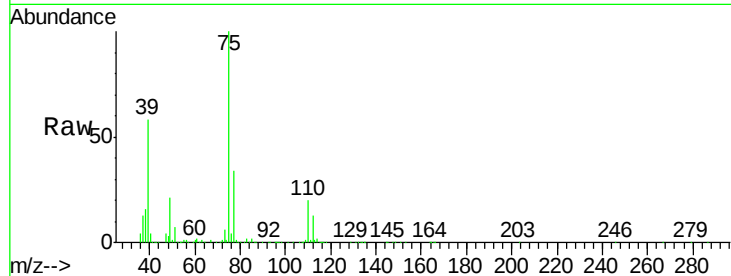
VSTDCCC010EC

Tgt Ion: 75 Resp: 1609519

Ion Ratio Lower Upper

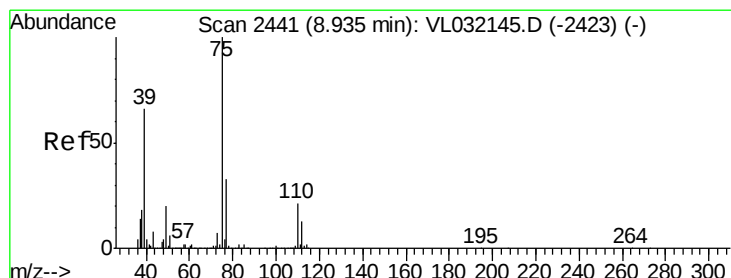
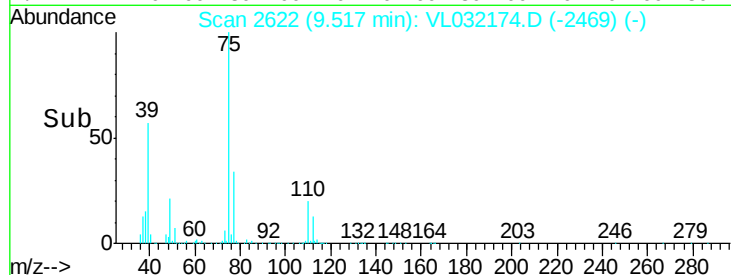
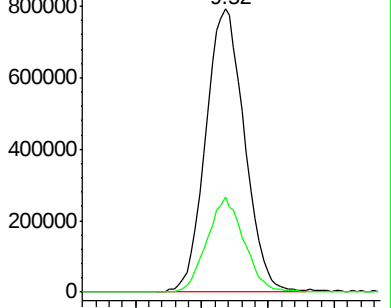
75 100

77 33.7 25.6 38.4



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.024 ppbv

RT: 8.94 min Scan# 2441

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

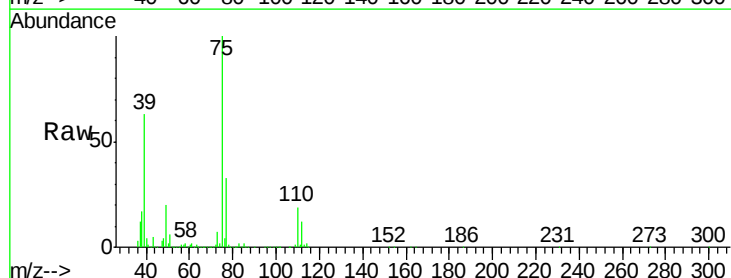
Tgt Ion: 75 Resp: 1889180

Ion Ratio Lower Upper

75 100

39 63.1 51.9 77.9

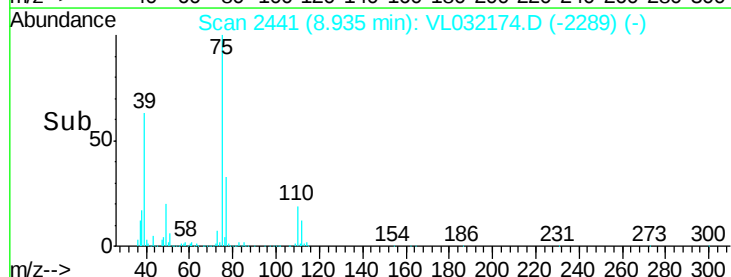
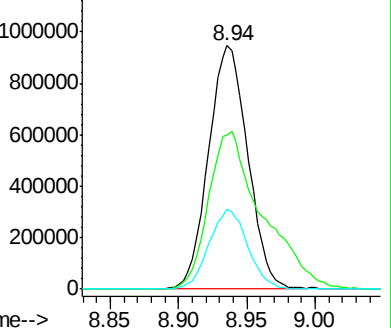
77 32.5 24.3 36.5

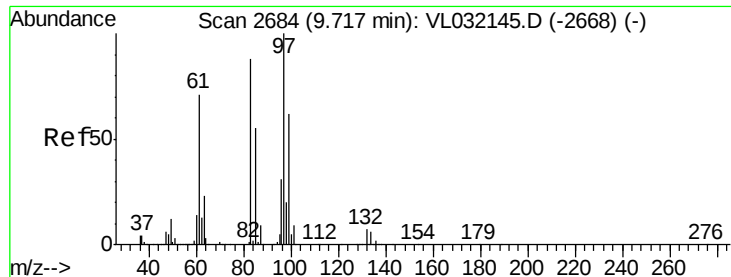


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.797 ppbv

RT: 9.72 min Scan# 2685

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1234286

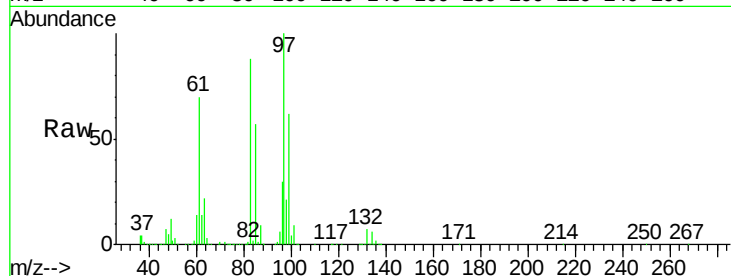
Ion	Ratio	Lower	Upper
97	100		
83	87.6	71.0	106.4
85	56.0	44.2	66.4
99	61.8	49.2	73.8

97 100

83 87.6 71.0 106.4

85 56.0 44.2 66.4

99 61.8 49.2 73.8

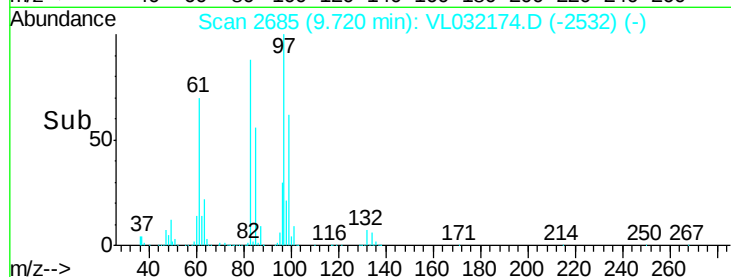


Abundance Ion 97.00 (96.70 to 97.70): VL0

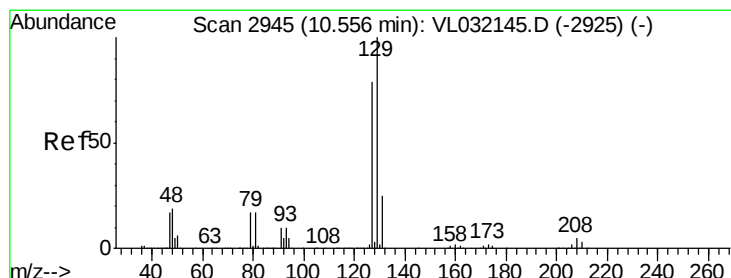
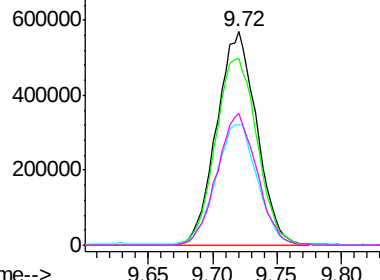
Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



Time-->



#48

Dibromochloromethane

Concen: 9.579 ppbv

RT: 10.56 min Scan# 2945

Delta R.T. -0.02 min

Lab File: VL032174.D

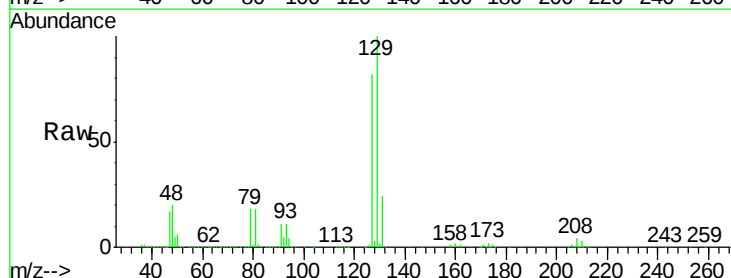
Acq: 30 Jun 2018 17:08

Tgt Ion: 129 Resp: 1868153

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.1	117.5

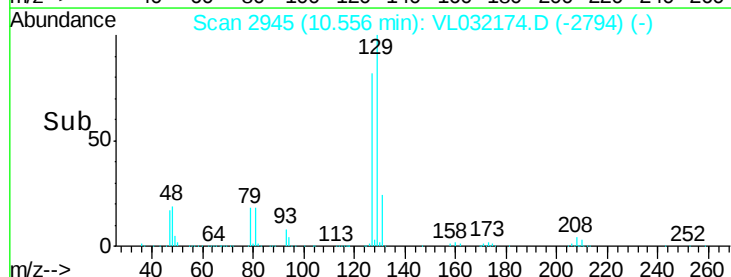
129 100

127 78.8 39.1 117.5

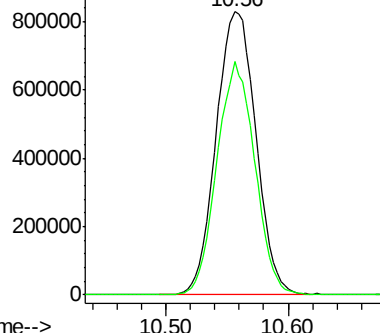


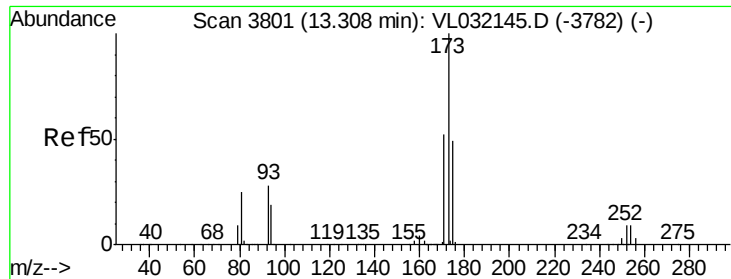
Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



Time-->





#49

Bromoform

Concen: 9.385 ppbv

RT: 13.31 min Scan# 3802

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

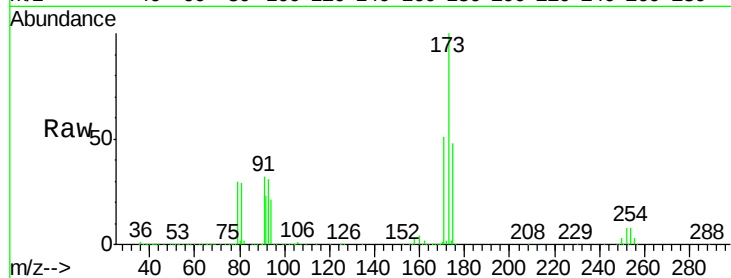
Tgt Ion:173 Resp: 1532772

Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.0

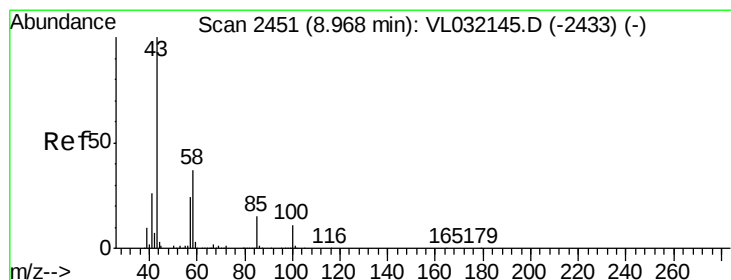
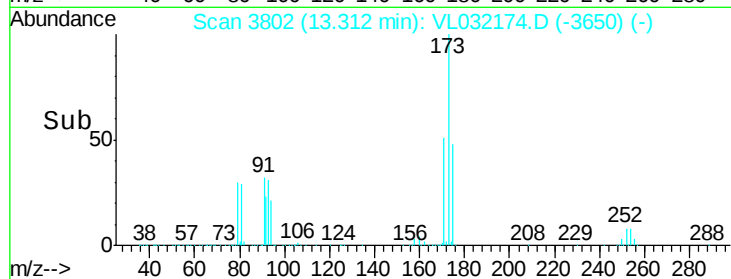
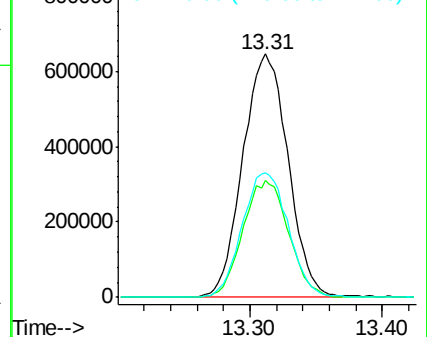
171 52.5 41.8 62.8



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: 9.706 ppbv

RT: 8.97 min Scan# 2452

Delta R.T. -0.01 min

Lab File: VL032174.D

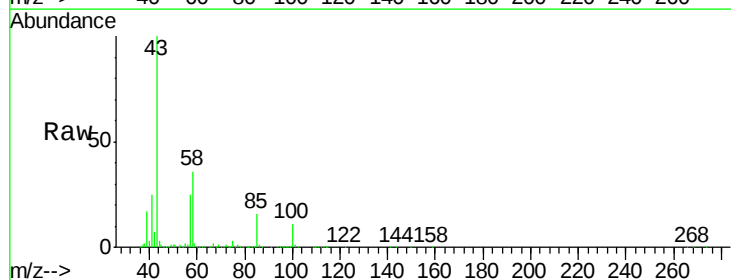
Acq: 30 Jun 2018 17:08

Tgt Ion: 43 Resp: 3204337

Ion Ratio Lower Upper

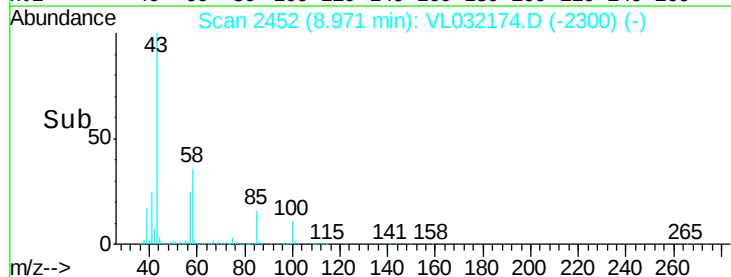
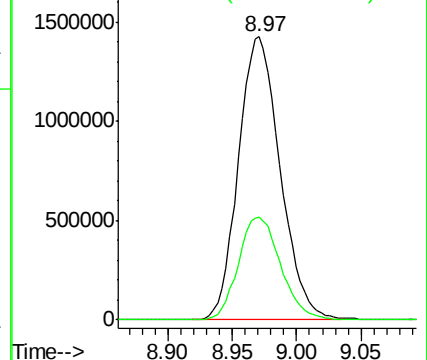
43 100

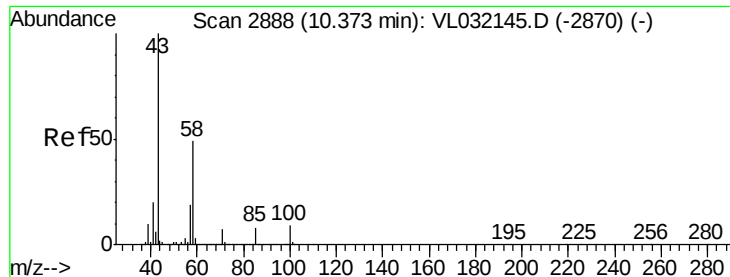
58 37.0 29.8 44.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.946 ppbv

RT: 10.38 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

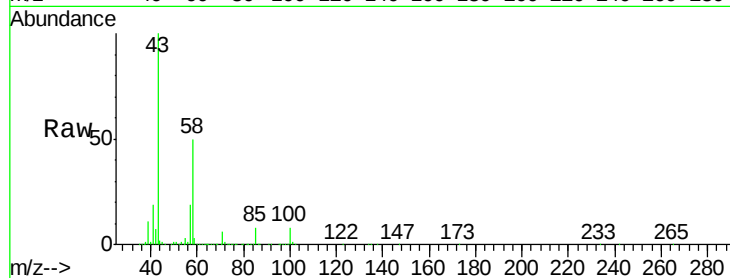
Tgt Ion: 43 Resp: 2721963

Ion Ratio Lower Upper

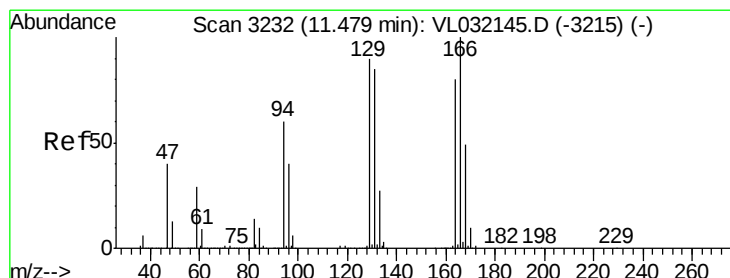
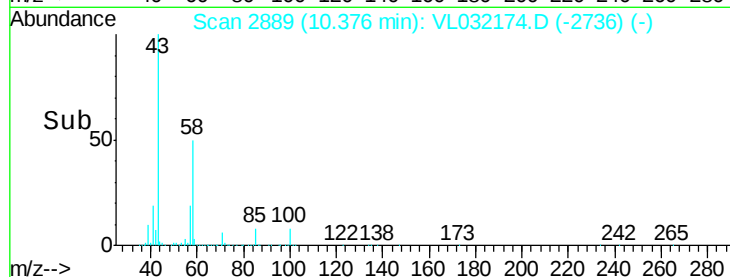
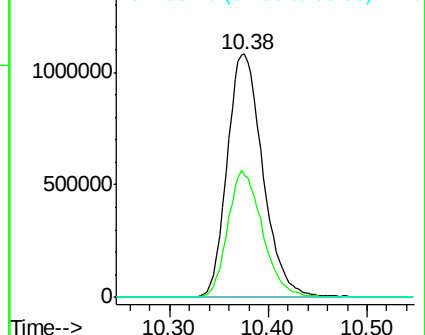
43 100

58 50.7 40.6 60.8

98 0.1 0.1 0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.301 ppbv

RT: 11.48 min Scan# 3232

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Tgt Ion: 164 Resp: 927721

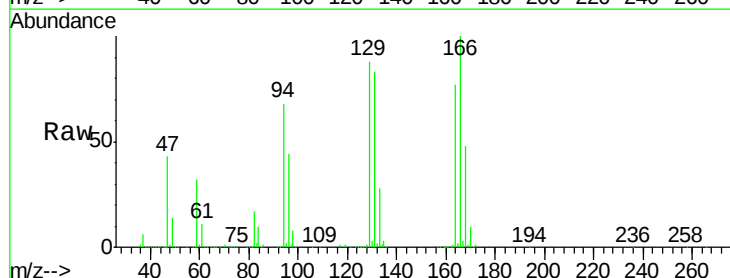
Ion Ratio Lower Upper

164 100

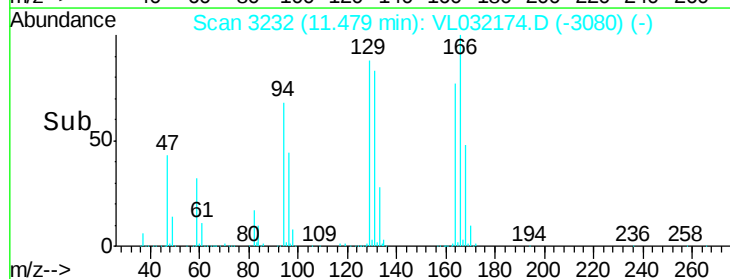
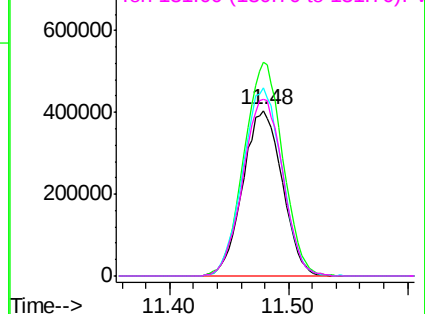
166 129.0 100.6 151.0

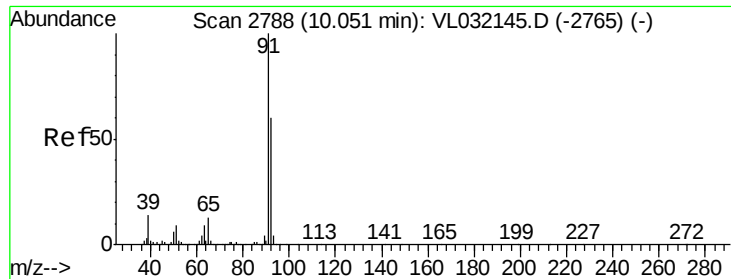
129 113.6 84.0 126.0

131 107.0 82.7 124.1



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.571 ppbv

RT: 10.05 min Scan# 2788

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

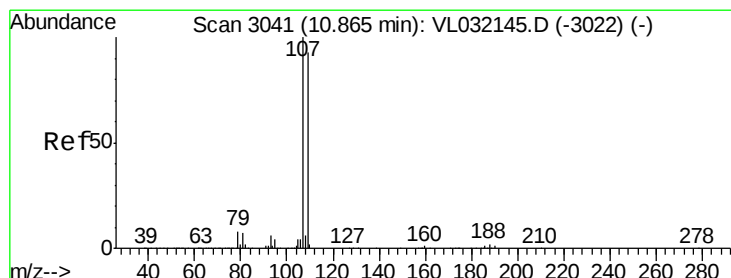
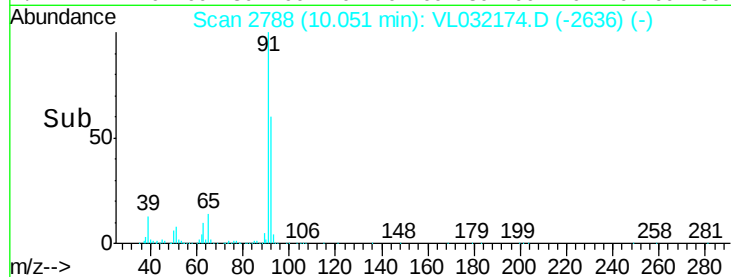
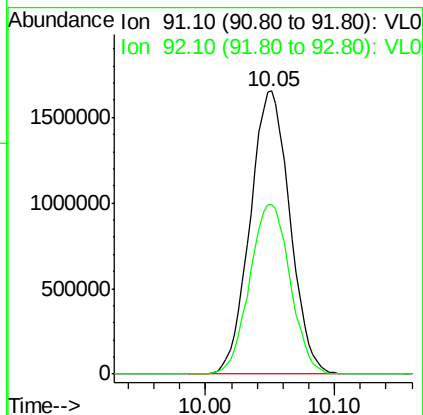
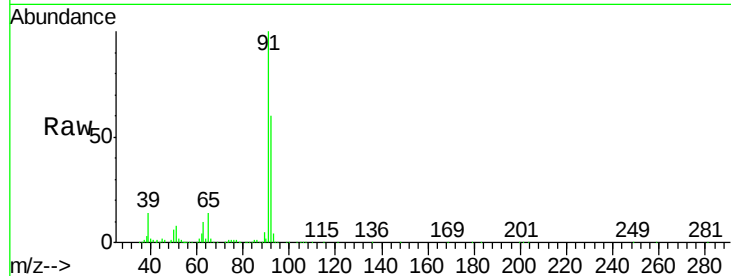
VSTDCCC010EC

Tgt Ion: 91 Resp: 3555079

Ion Ratio Lower Upper

91 100

92 61.1 49.2 73.8



#54

1,2-Dibromoethane

Concen: 9.643 ppbv

RT: 10.87 min Scan# 3042

Delta R.T. -0.01 min

Lab File: VL032174.D

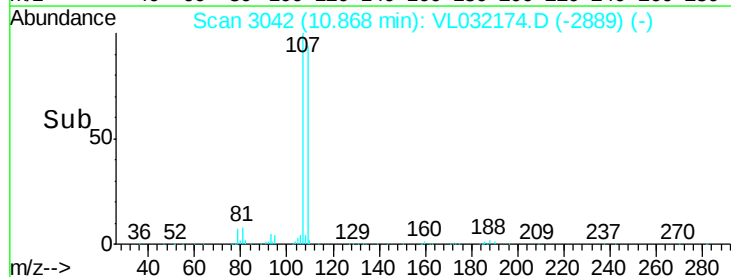
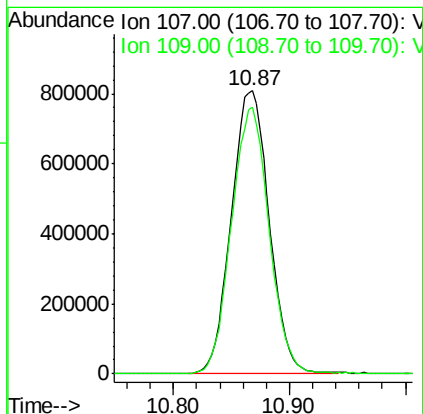
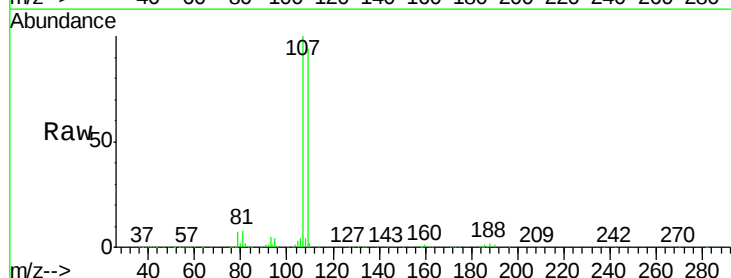
Acq: 30 Jun 2018 17:08

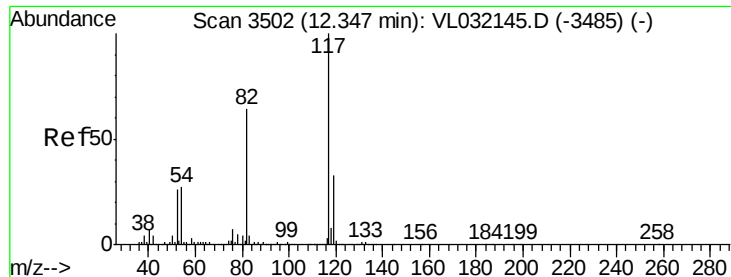
Tgt Ion: 107 Resp: 1826329

Ion Ratio Lower Upper

107 100

109 94.3 75.0 112.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.35 min Scan# 3502

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

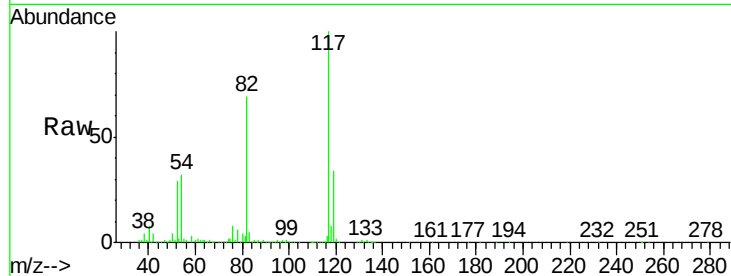
Tgt Ion:117 Resp: 3915542

Ion Ratio Lower Upper

117 100

82 55.1 47.8 71.8

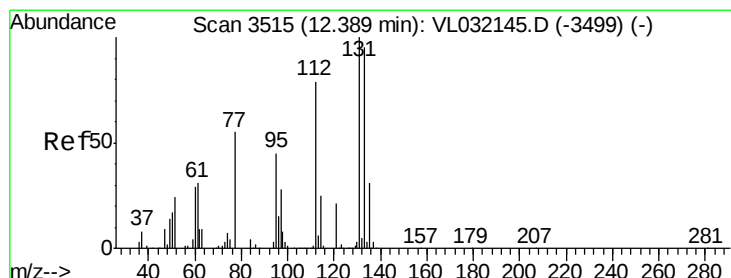
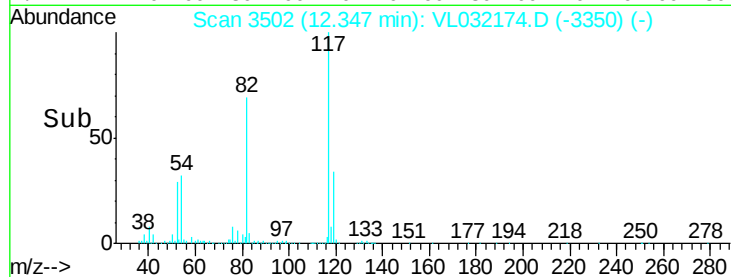
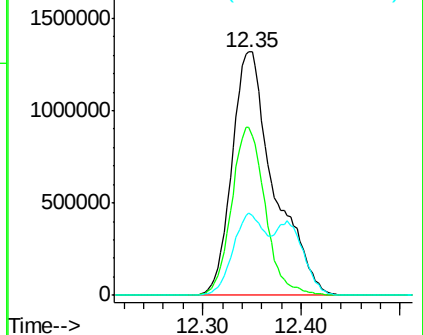
119 25.0 43.3 64.9#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 7.573 ppbv

RT: 12.39 min Scan# 3514

Delta R.T. -0.02 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

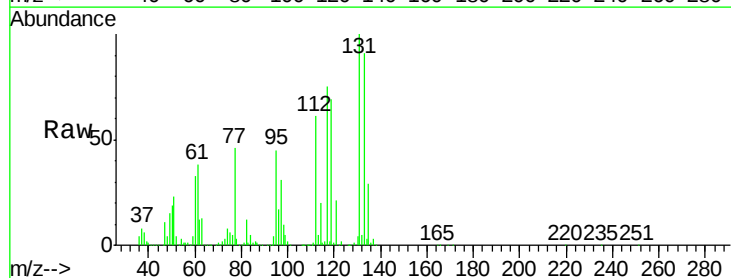
Tgt Ion:131 Resp: 1323903

Ion Ratio Lower Upper

131 100

133 94.1 75.5 113.3

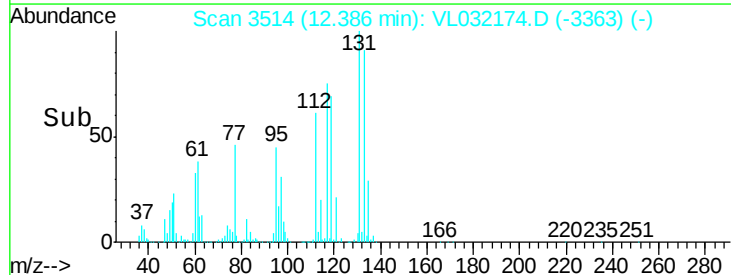
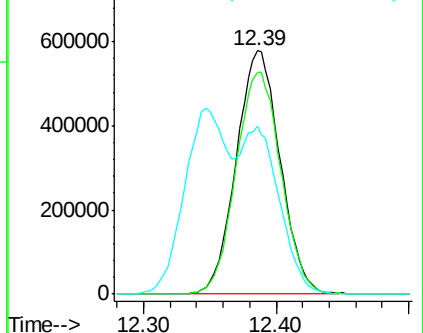
119 54.9 118.4 177.6#

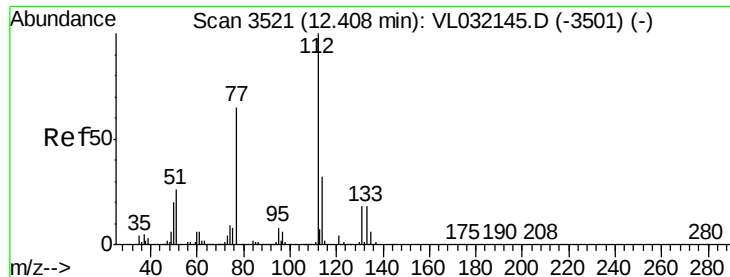


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

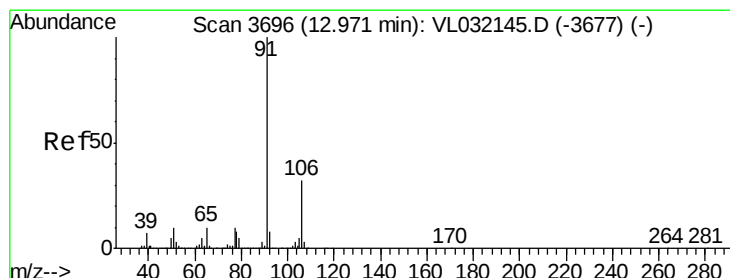
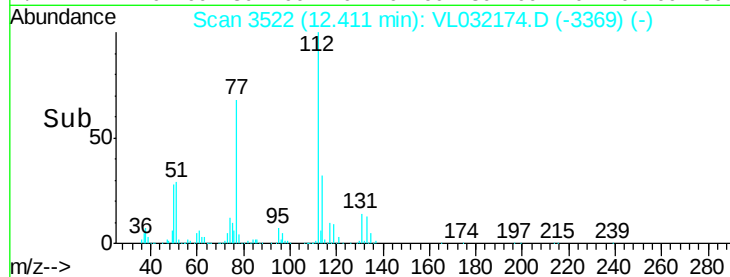
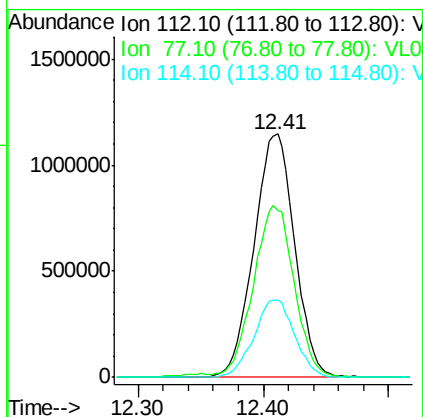
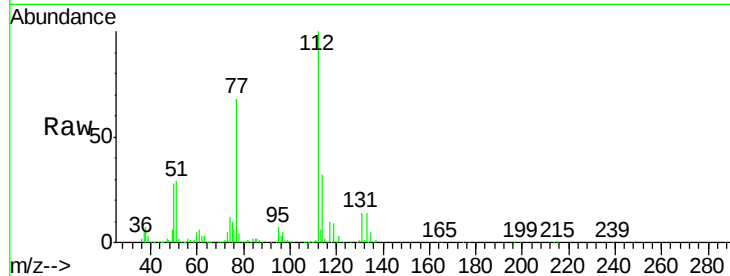




#57
Chlorobenzene
Concen: 7.626 ppbv
RT: 12.41 min Scan# 3522
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

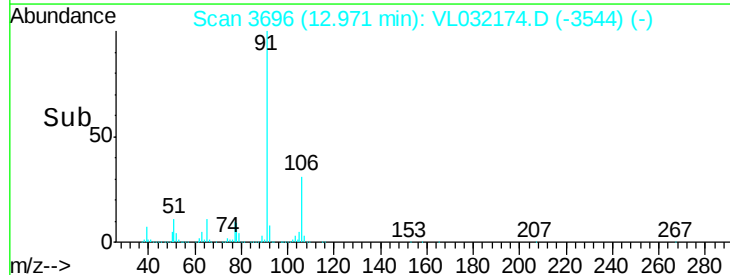
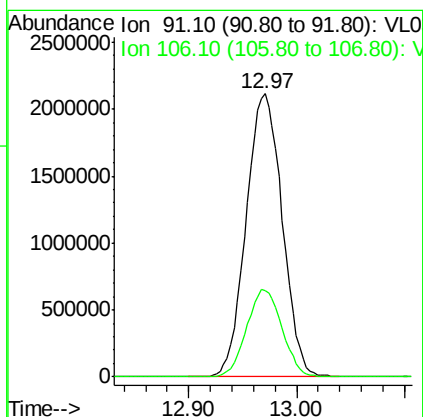
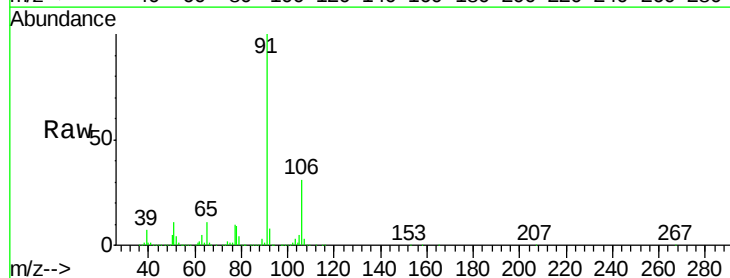
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

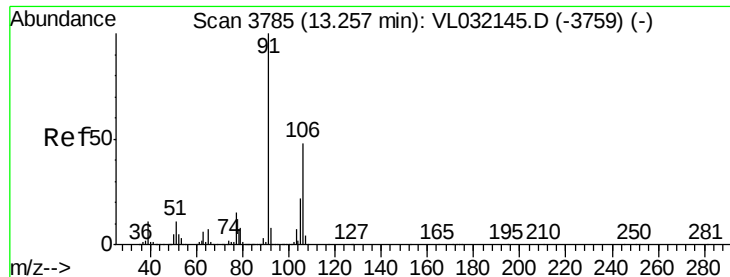
Tgt Ion: 112 Resp: 2586011
Ion Ratio Lower Upper
112 100
77 68.0 52.6 78.8
114 31.8 27.9 34.1



#58
Ethyl Benzene
Concen: 7.788 ppbv
RT: 12.97 min Scan# 3696
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Tgt Ion: 91 Resp: 4914223
Ion Ratio Lower Upper
91 100
106 30.6 26.5 39.7

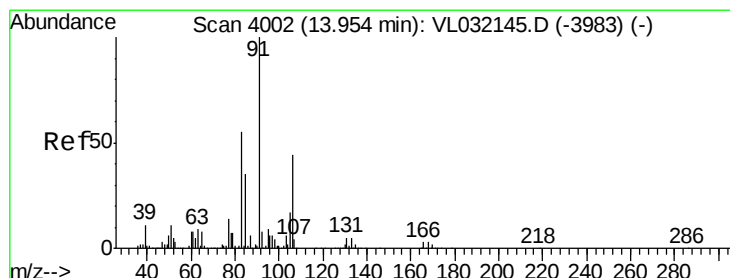
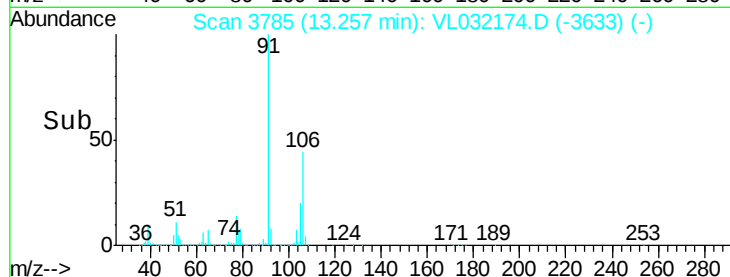
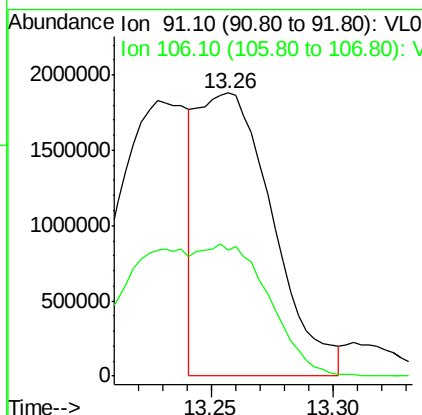
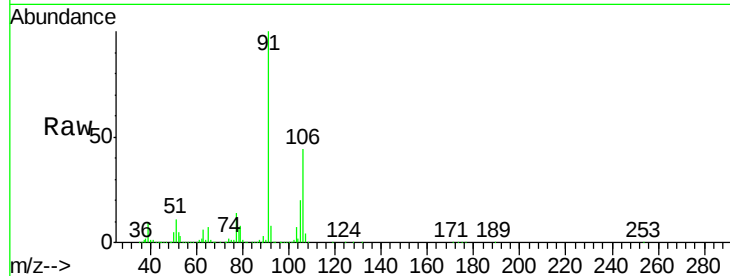




#59
m/p-Xylene
Concen: 7.929 ppbv
RT: 13.26 min Scan# 3785
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

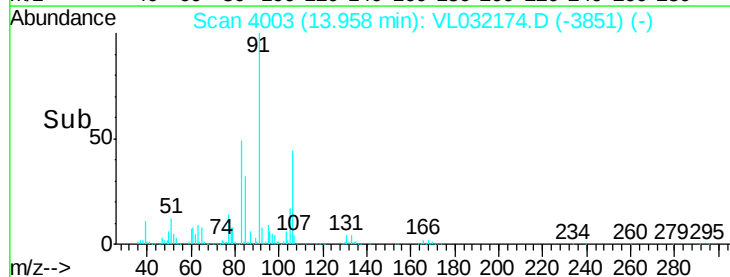
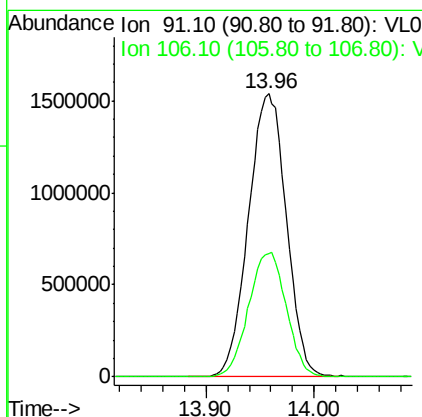
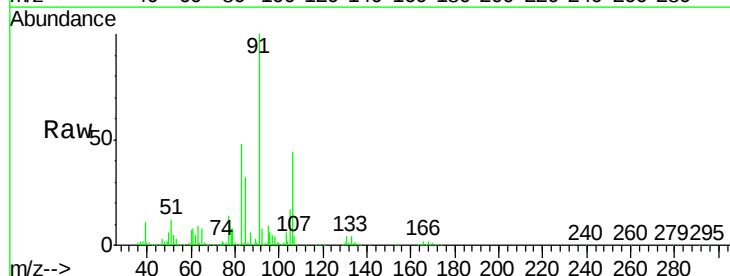
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

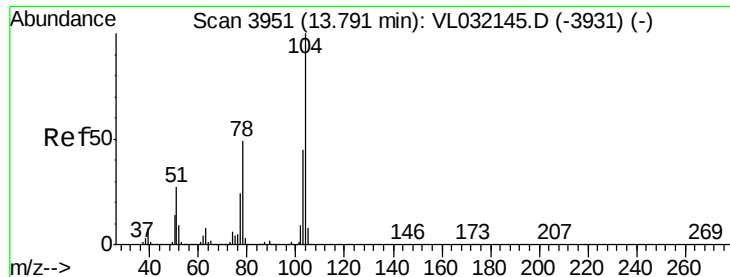
Tgt Ion: 91 Resp: 4010413
Ion Ratio Lower Upper
91 100
106 87.9 38.6 58.0#



#60
o-Xylene
Concen: 7.432 ppbv
RT: 13.96 min Scan# 4003
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Tgt Ion: 91 Resp: 3749615
Ion Ratio Lower Upper
91 100
106 43.8 23.3 69.8





#61

Styrene

Concen: 7.533 ppbv

RT: 13.79 min Scan# 3951

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

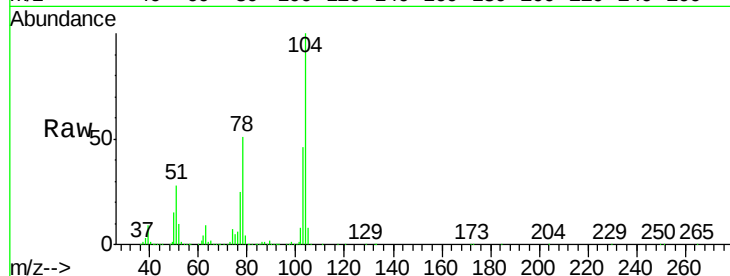
Tgt Ion:104 Resp: 3114273

Ion Ratio Lower Upper

104 100

78 53.4 37.9 56.9

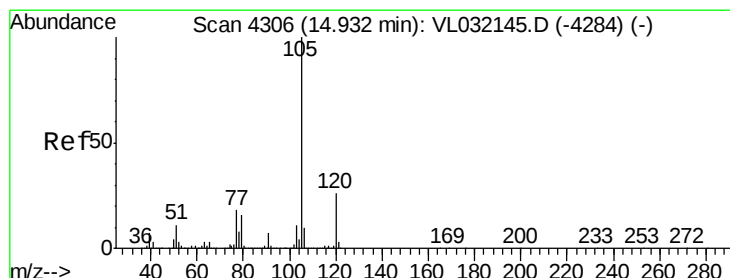
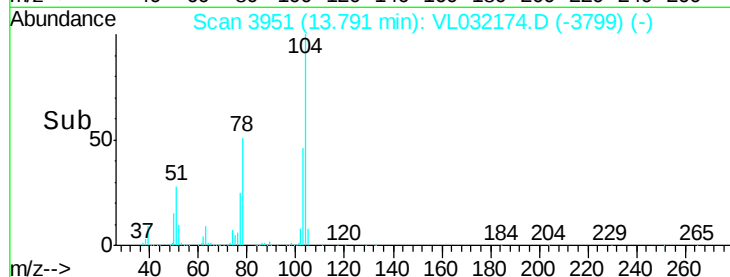
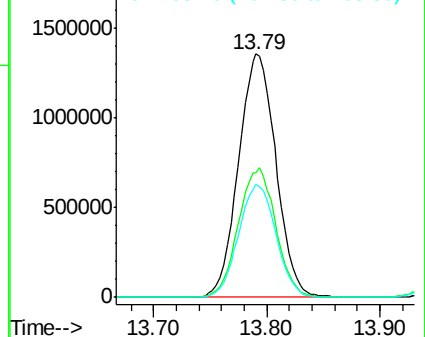
103 46.7 36.6 55.0



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: 6.935 ppbv

RT: 14.93 min Scan# 4305

Delta R.T. -0.02 min

Lab File: VL032174.D

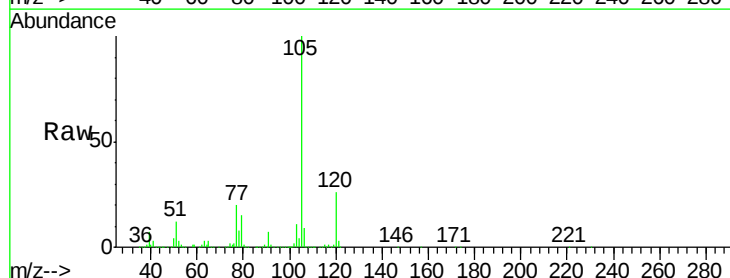
Acq: 30 Jun 2018 17:08

Tgt Ion:105 Resp: 5379495

Ion Ratio Lower Upper

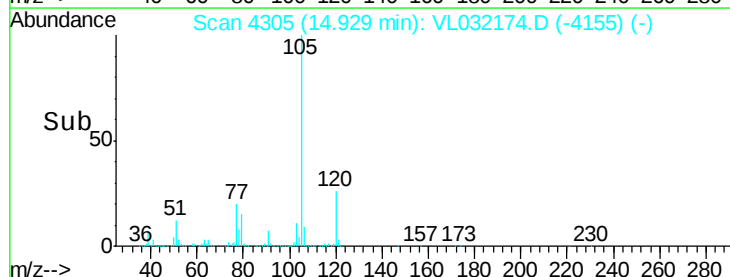
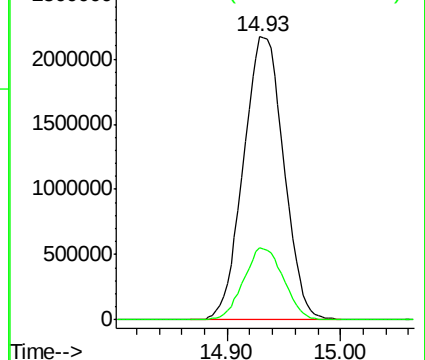
105 100

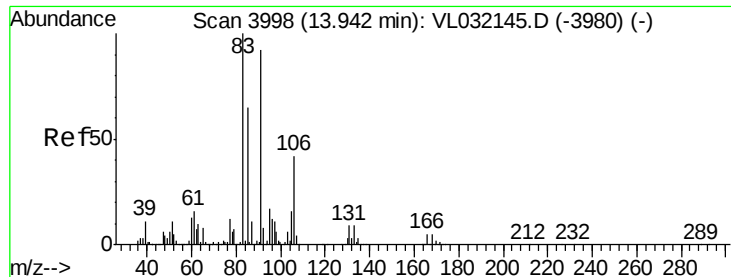
120 25.2 21.0 31.4



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: 6.804 ppbv

RT: 13.94 min Scan# 3998

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

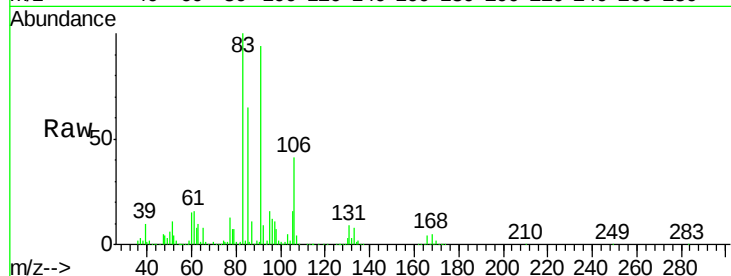
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 83 Resp: 2657789

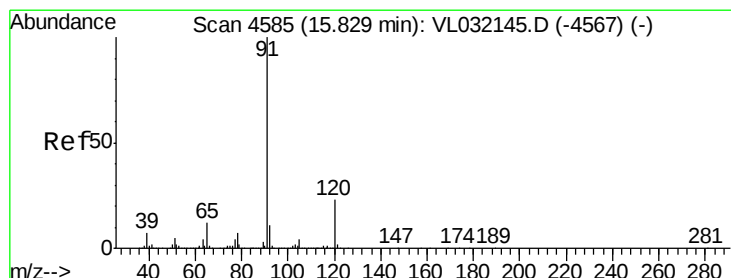
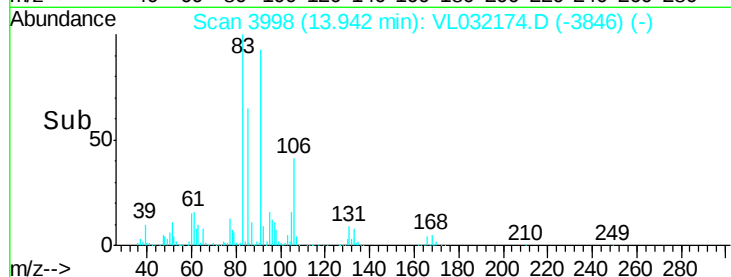
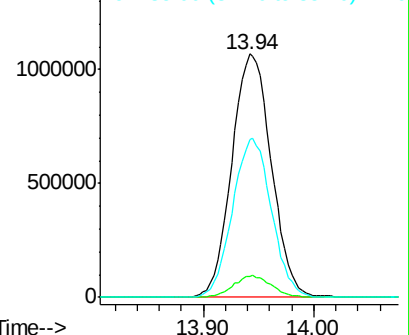
Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.6	13.8
85	64.6	32.4	97.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 6.999 ppbv

RT: 15.83 min Scan# 4586

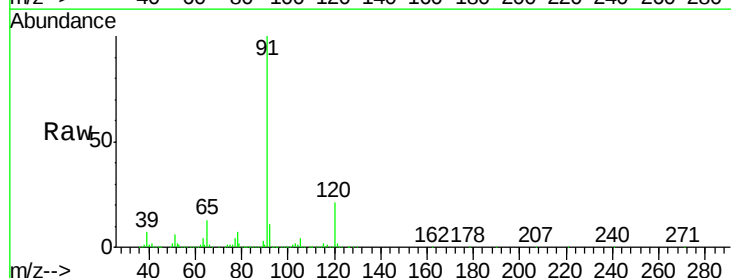
Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

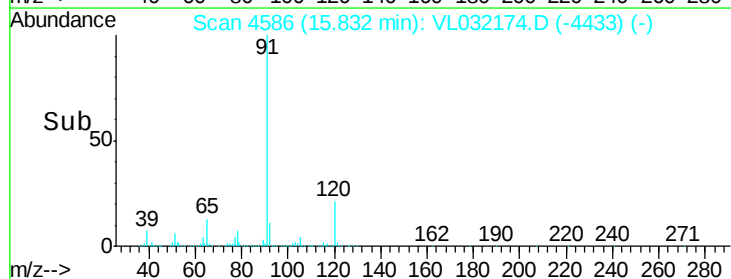
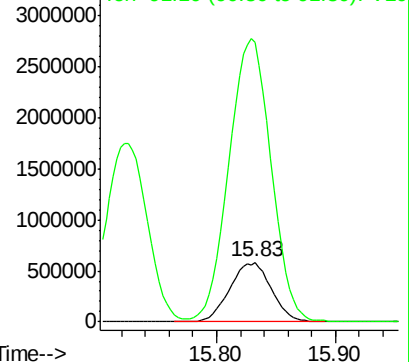
Tgt Ion: 120 Resp: 1405246

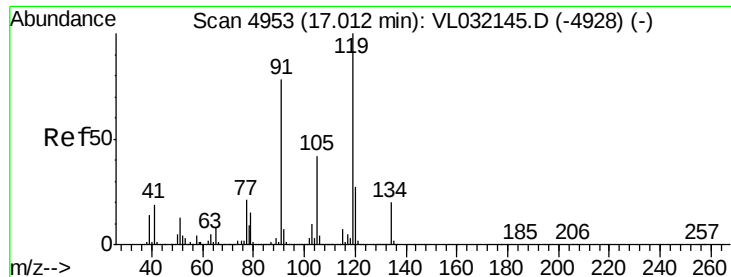
Ion	Ratio	Lower	Upper
120	100		
91	485.1	357.4	536.0



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

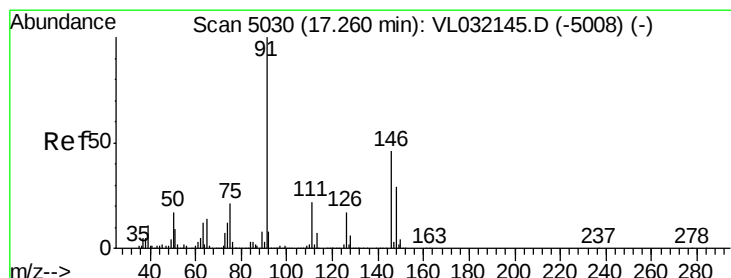
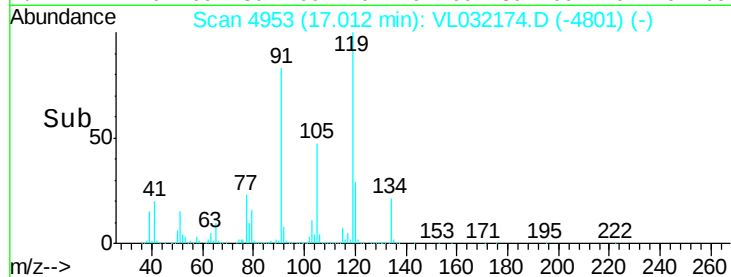
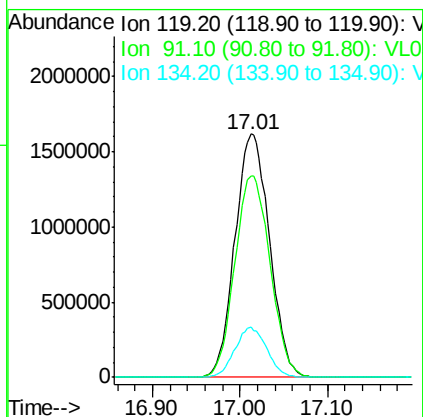
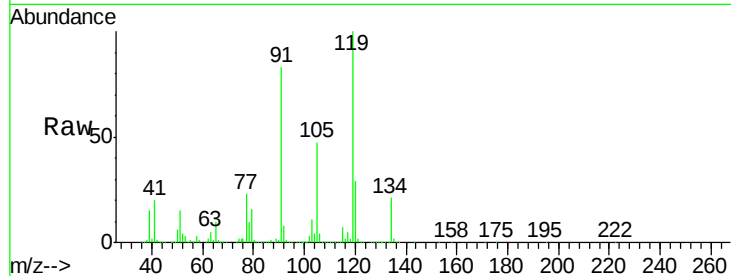




#65
 tert-Butylbenzene
 Concen: 6.504 ppbv
 RT: 17.01 min Scan# 4953
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

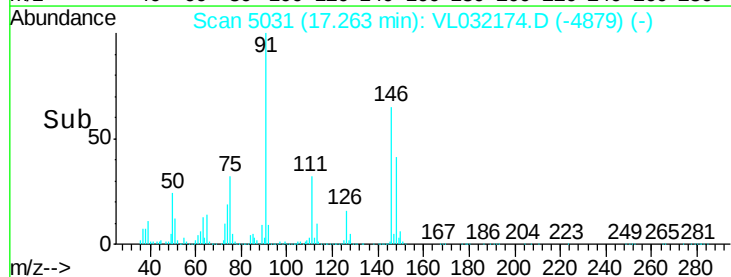
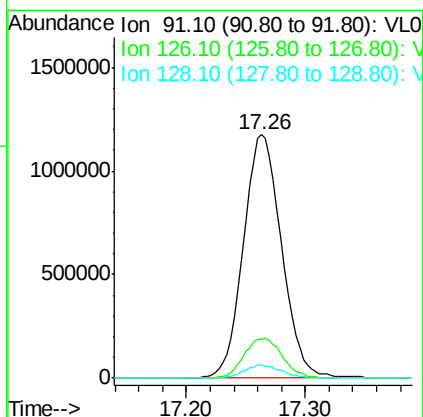
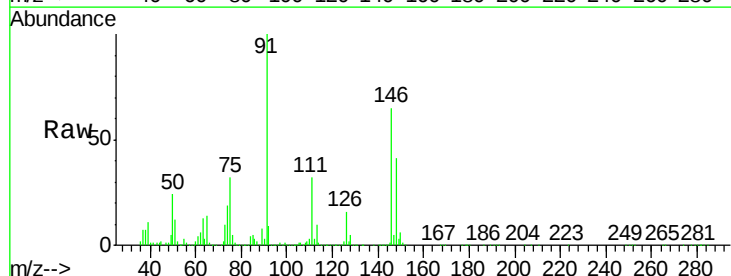
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

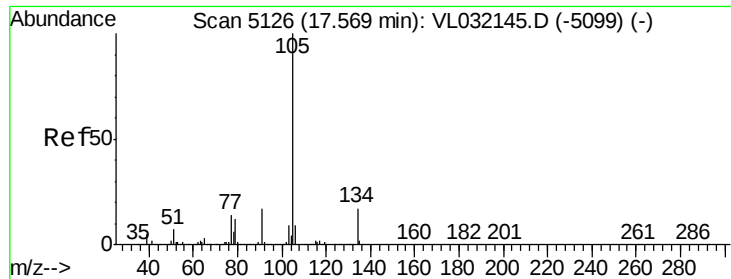
Tgt Ion: 119 Resp: 4433432
 Ion Ratio Lower Upper
 119 100
 91 84.7 62.2 93.2
 134 19.1 16.2 24.2



#66
 Benzyl Chloride
 Concen: 6.159 ppbv
 RT: 17.26 min Scan# 5031
 Delta R.T. -0.01 min
 Lab File: VL032174.D
 Acq: 30 Jun 2018 17:08

Tgt Ion: 91 Resp: 2592630
 Ion Ratio Lower Upper
 91 100
 126 16.7 15.7 23.5
 128 5.3 5.2 7.8





#67

sec-Butylbenzene

Concen: 6.706 ppbv

RT: 17.57 min Scan# 5125

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

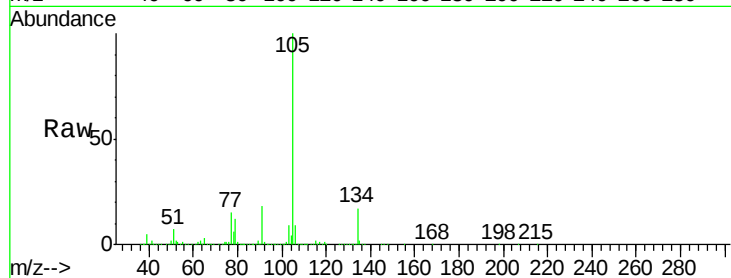
VSTDCCC010EC

Tgt Ion:105 Resp: 6692950

Ion Ratio Lower Upper

105 100

134 17.4 14.7 22.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.57

2500000

2000000

1500000

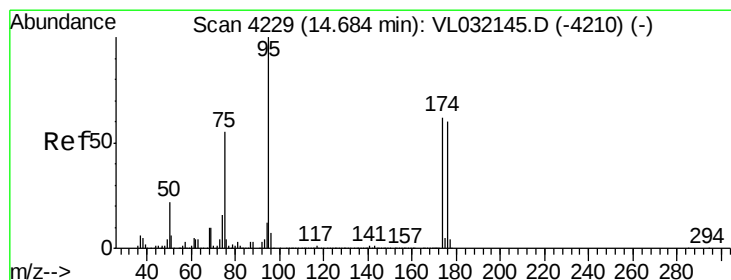
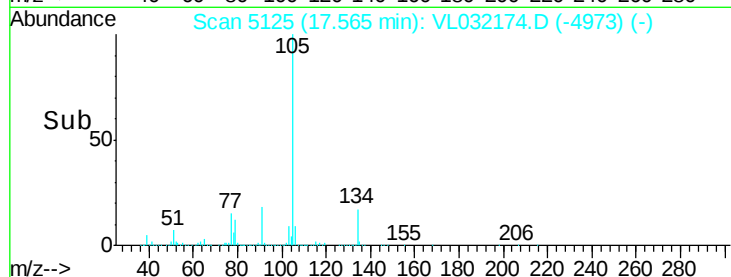
1000000

500000

0

Time-->

17.50 17.60



#68

1-Bromo-4-Fluorobenzene

Concen: 7.801 ppbv

RT: 14.68 min Scan# 4229

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

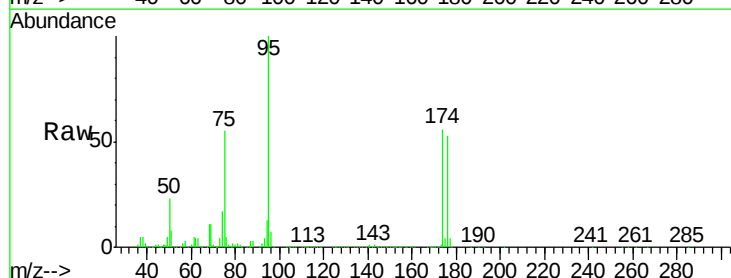
Tgt Ion: 95 Resp: 2334884

Ion Ratio Lower Upper

95 100

174 56.7 52.1 78.1

175 4.2 4.0 6.0



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

14.68

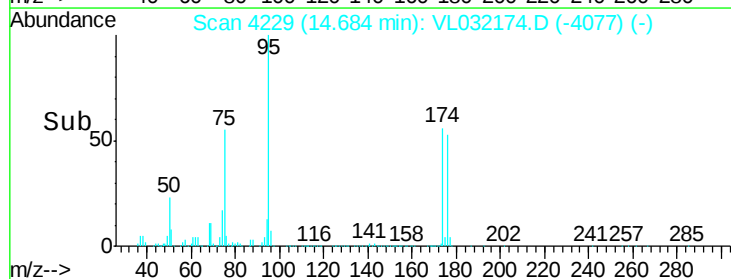
1000000

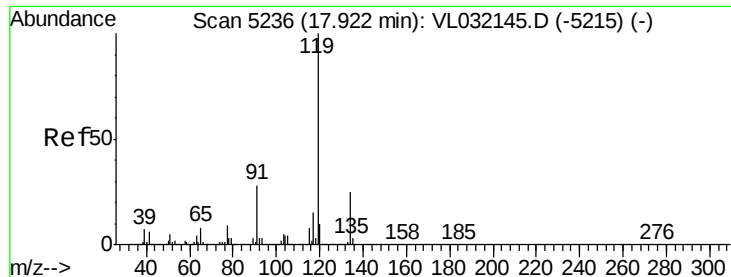
500000

0

Time-->

14.60 14.70

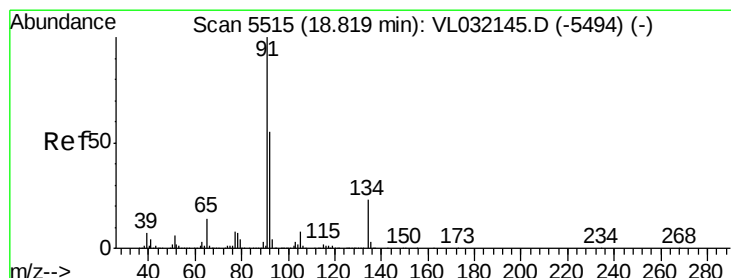
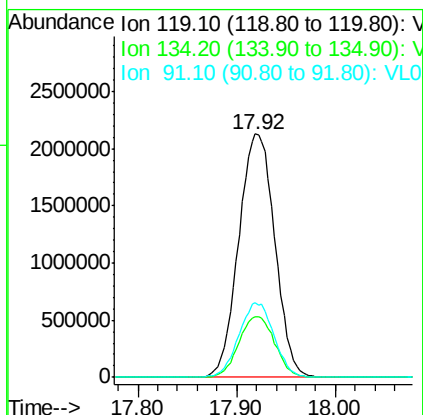
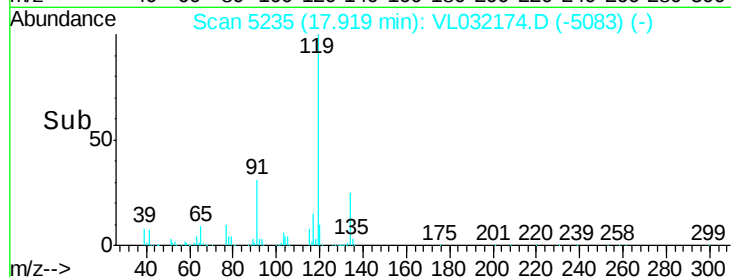
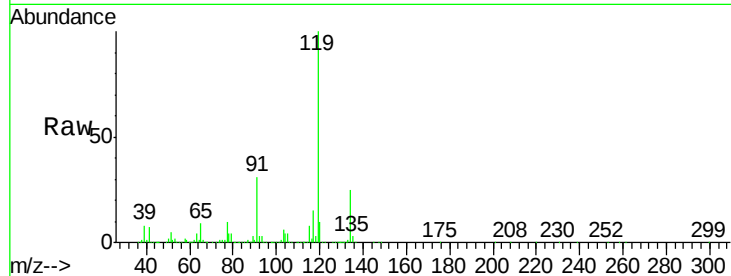




#69
p-Isopropyltoluene
Concen: 6.741 ppbv
RT: 17.92 min Scan# 5235
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

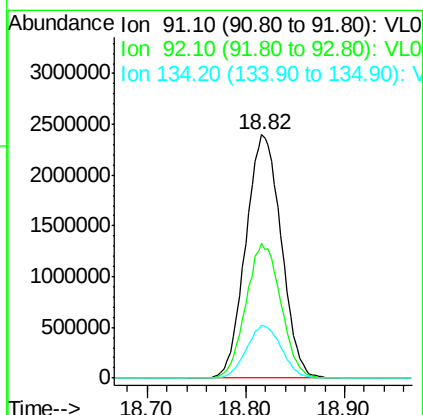
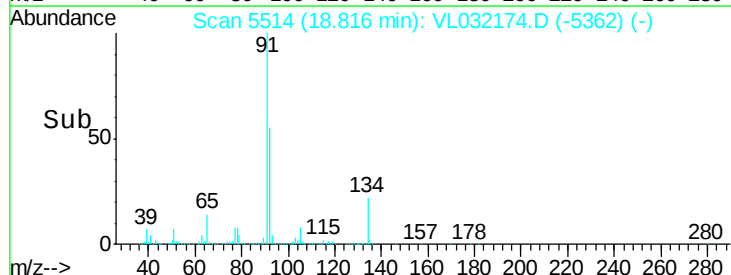
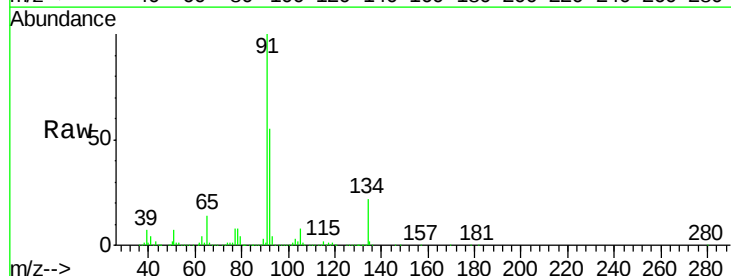
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

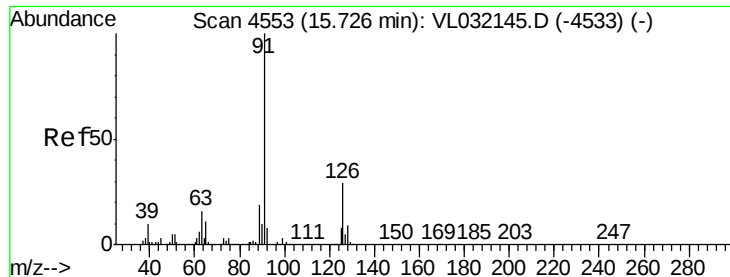
Tgt Ion: 119 Resp: 5396929
Ion Ratio Lower Upper
119 100
134 24.9 20.7 31.1
91 29.8 21.8 32.8



#70
n-Butylbenzene
Concen: 7.112 ppbv
RT: 18.82 min Scan# 5514
Delta R.T. -0.01 min
Lab File: VL032174.D
Acq: 30 Jun 2018 17:08

Tgt Ion: 91 Resp: 5945784
Ion Ratio Lower Upper
91 100
92 54.3 43.7 65.5
134 21.4 18.9 28.3





#71

2-Chlorotoluene

Concen: 7.217 ppbv

RT: 15.73 min Scan# 4553

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

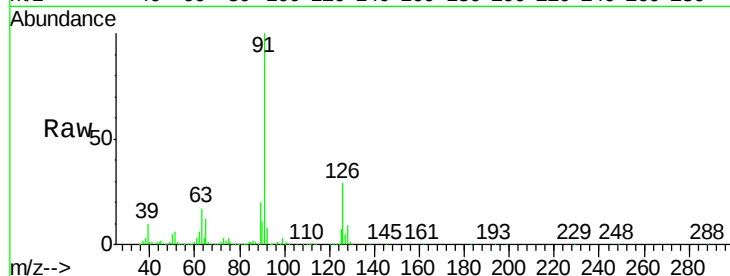
VSTDCCC010EC

Tgt Ion: 91 Resp: 4310836

Ion Ratio Lower Upper

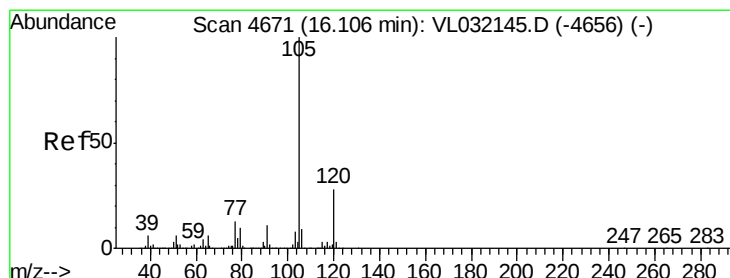
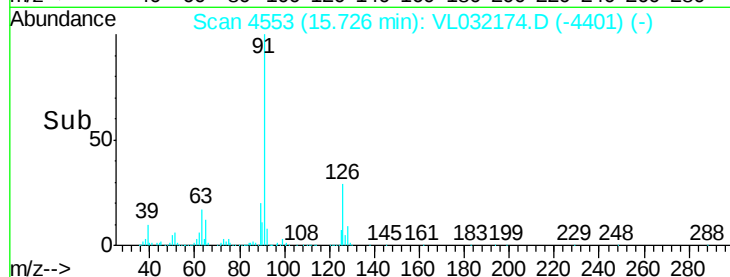
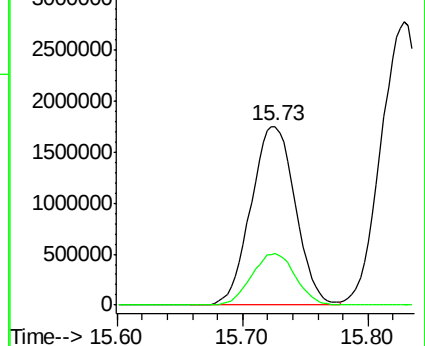
91 100

126 28.8 12.8 51.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.126 ppbv

RT: 16.11 min Scan# 4671

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Tgt Ion: 105 Resp: 4643118

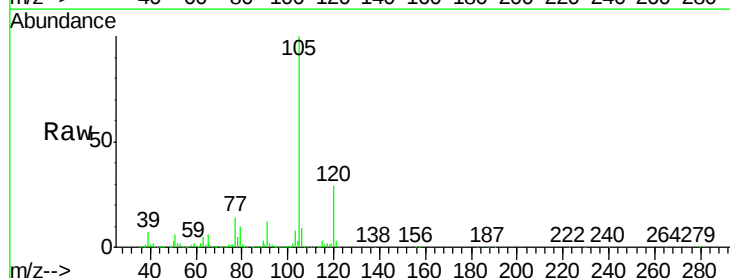
Ion Ratio Lower Upper

105 100

120 28.8 24.3 36.5

91 12.6 9.4 14.0

77 13.8 10.2 15.2

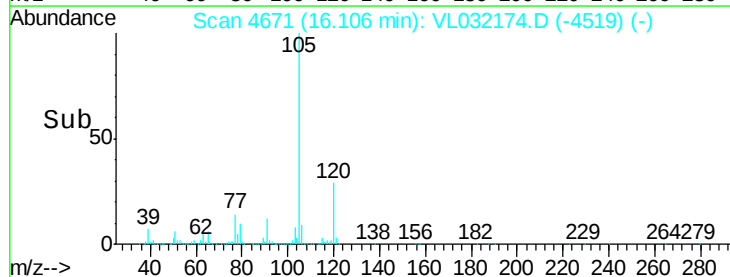
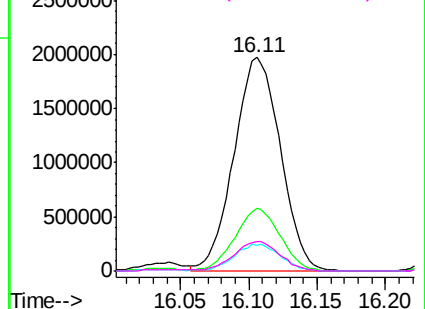


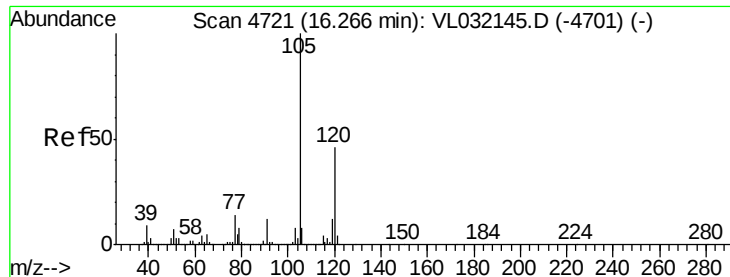
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.115 ppbv

RT: 16.26 min Scan# 4719

Delta R.T. -0.02 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

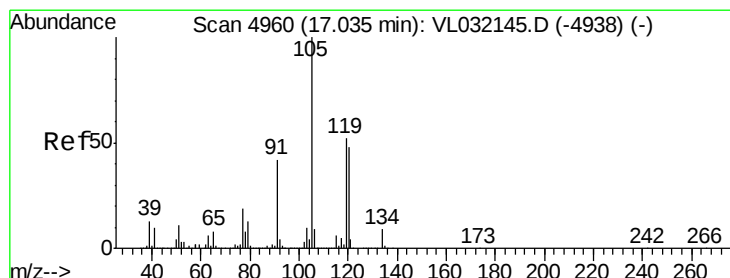
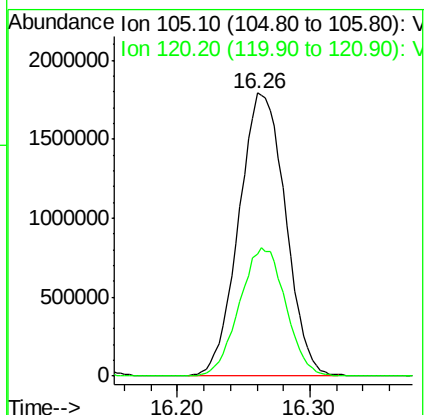
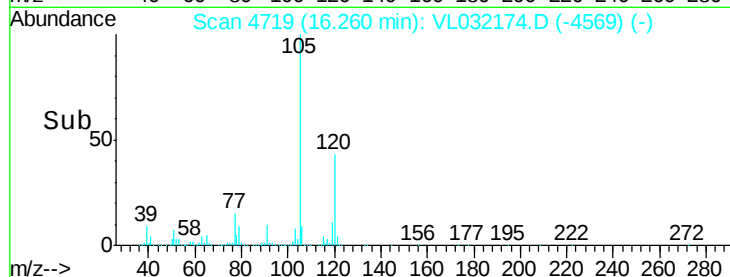
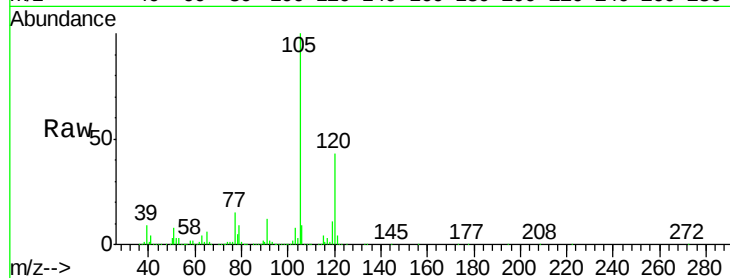
VSTDCCC010EC

Tgt Ion:105 Resp: 4367233

Ion Ratio Lower Upper

105 100

120 42.9 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 6.887 ppbv

RT: 17.03 min Scan# 4959

Delta R.T. -0.02 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Tgt Ion:105 Resp: 4265842

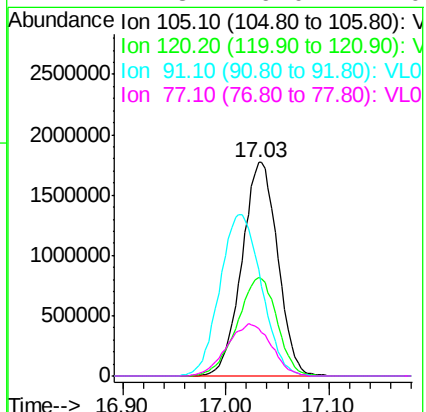
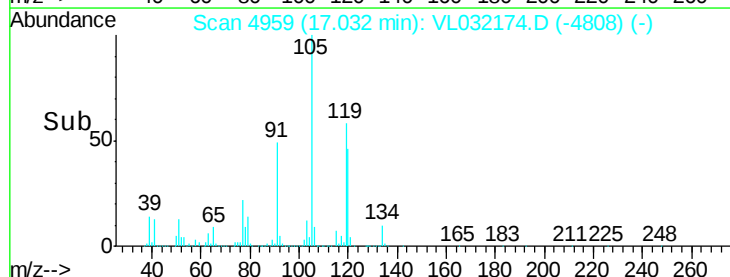
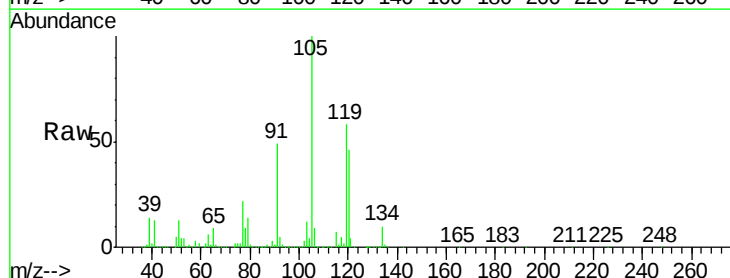
Ion Ratio Lower Upper

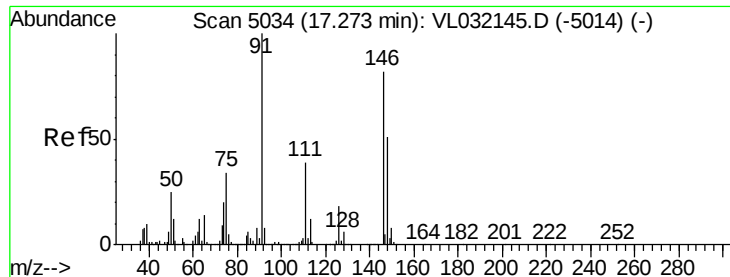
105 100

120 46.2 38.8 58.2

91 49.3 33.6 50.4

77 22.3 16.0 24.0





#75

1,3-Dichlorobenzene

Concen: 6.648 ppbv

RT: 17.28 min Scan# 5035

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

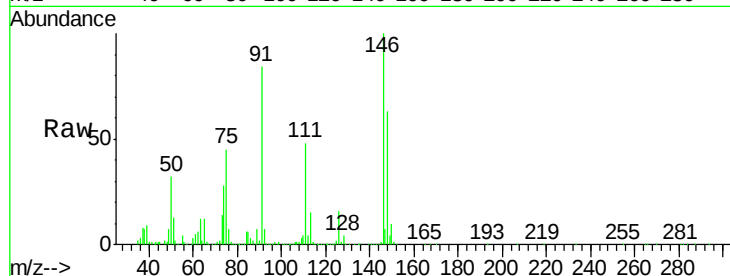
Tgt Ion:146 Resp: 2342511

Ion Ratio Lower Upper

146 100

111 49.6 22.9 68.8

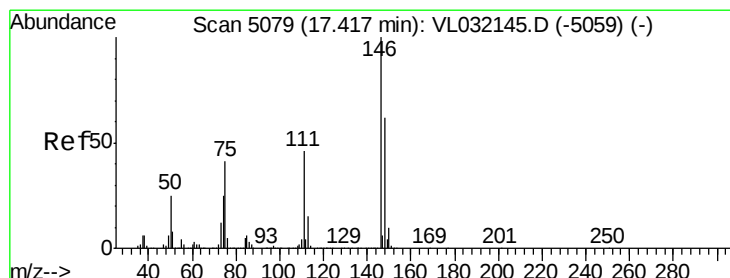
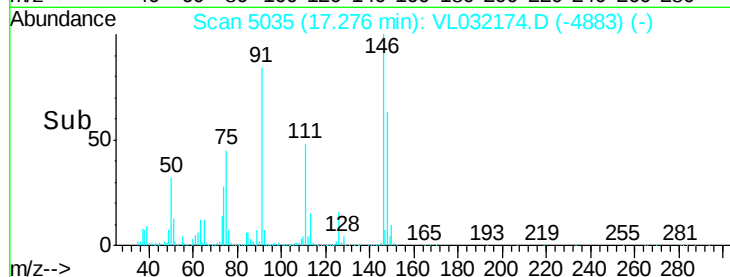
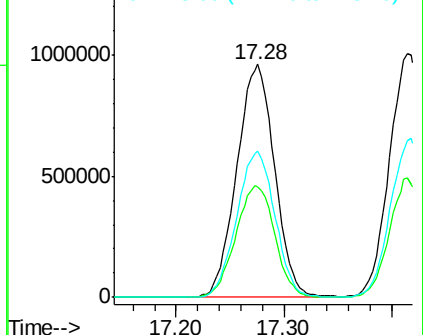
148 63.6 31.7 95.1



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: 6.750 ppbv

RT: 17.41 min Scan# 5078

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

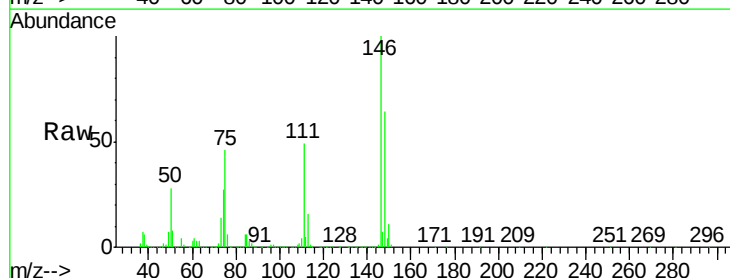
Tgt Ion:146 Resp: 2411593

Ion Ratio Lower Upper

146 100

111 48.6 21.9 65.8

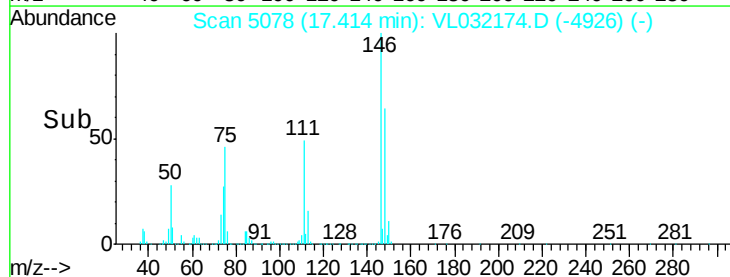
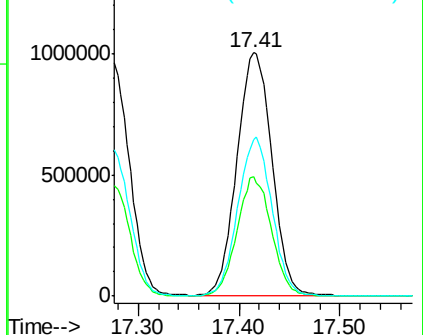
148 64.0 32.1 96.5

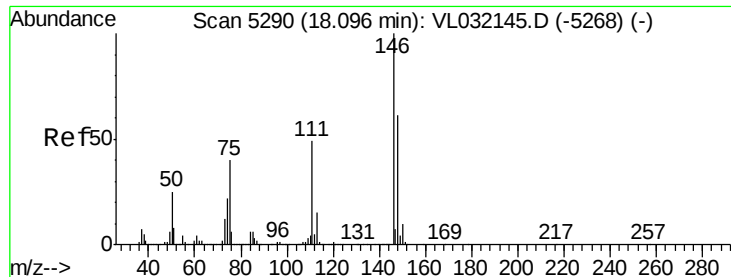


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 6.708 ppbv

RT: 18.09 min Scan# 5289

Delta R.T. -0.02 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

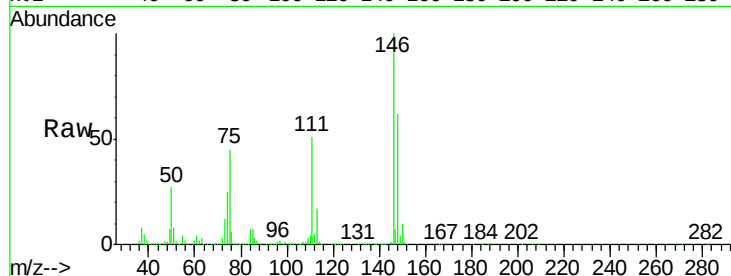
Tgt Ion:146 Resp: 2361952

Ion Ratio Lower Upper

146 100

111 51.1 23.4 70.3

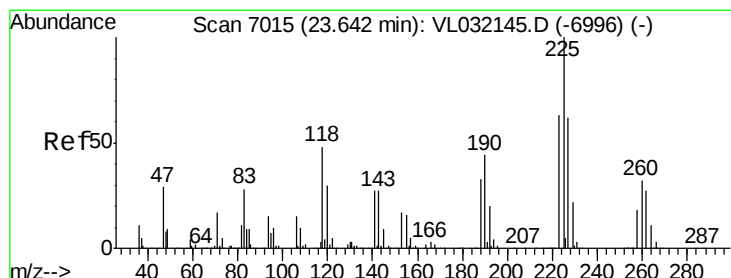
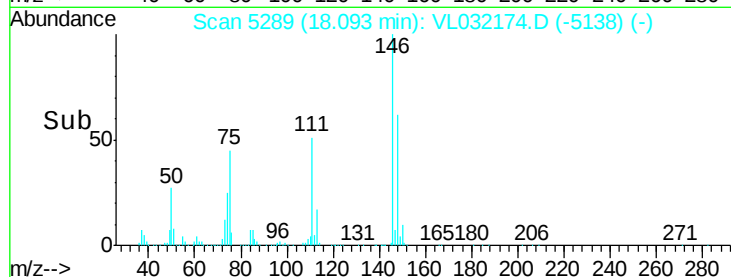
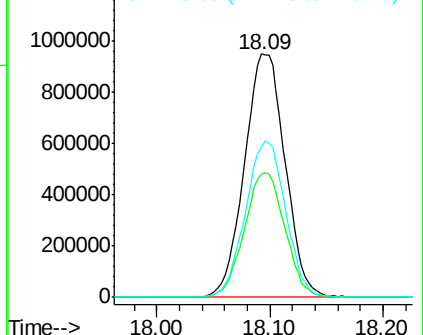
148 63.8 32.0 96.0



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: 11.855 ppbv

RT: 23.64 min Scan# 7015

Delta R.T. -0.02 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

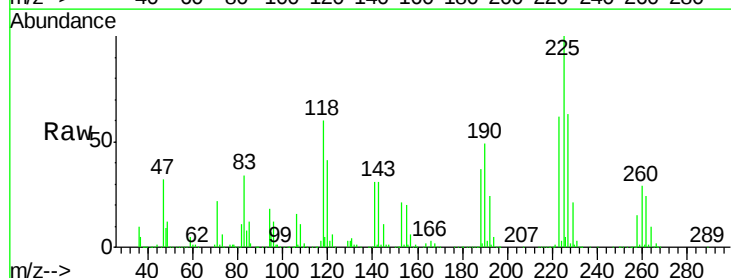
Tgt Ion:225 Resp: 1453572

Ion Ratio Lower Upper

225 100

223 63.9 51.0 76.4

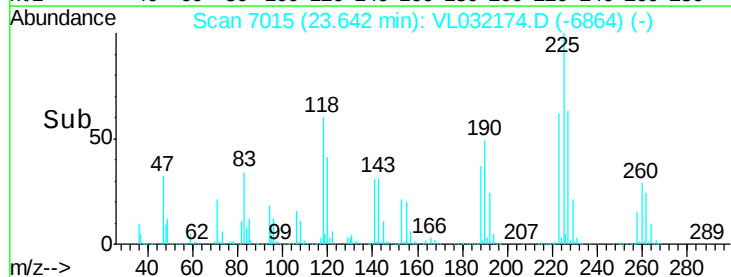
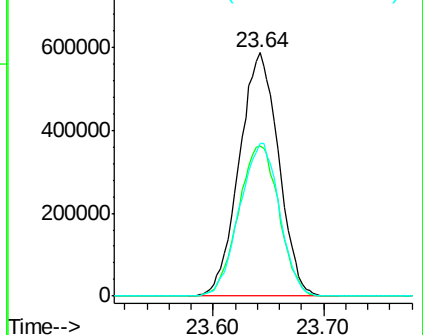
227 63.5 51.4 77.0

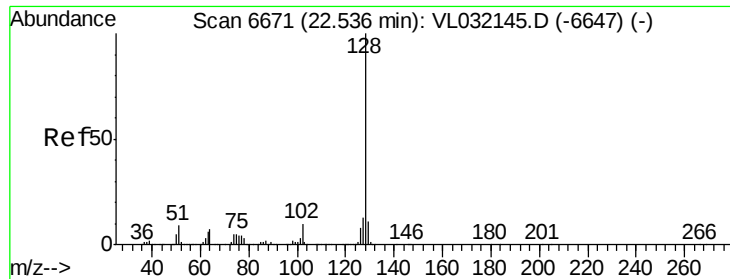


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 7.834 ppbv

RT: 22.53 min Scan# 6670

Delta R.T. -0.02 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

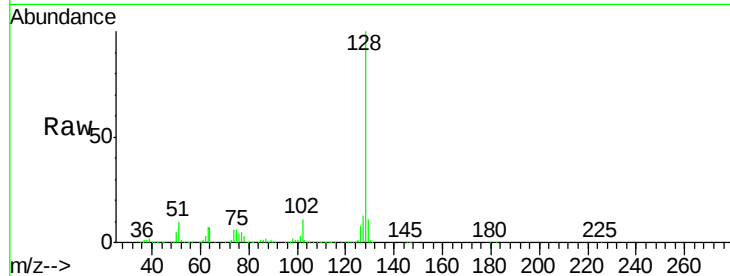
Tgt Ion:128 Resp: 4410643

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

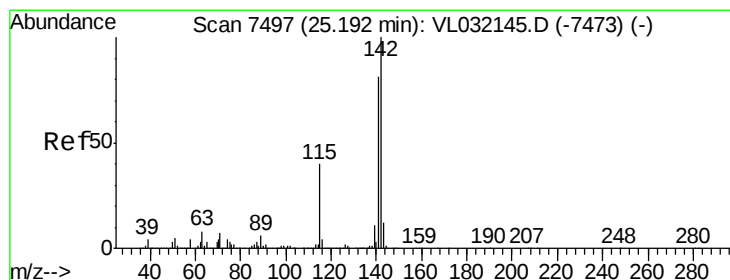
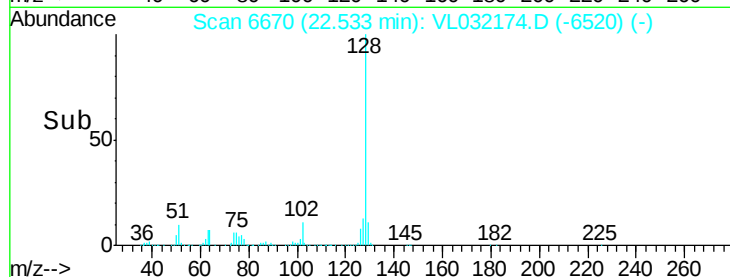
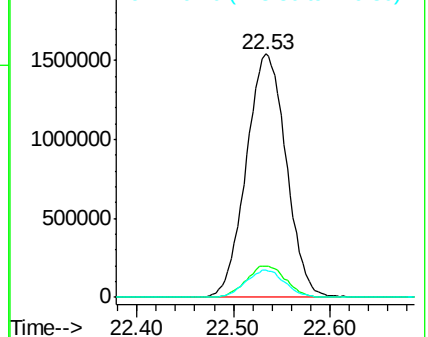
129 11.0 9.0 13.6



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: 10.430 ppbv

RT: 25.19 min Scan# 7497

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

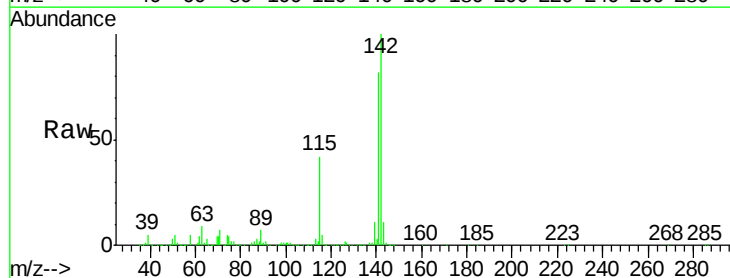
Tgt Ion:142 Resp: 2119704

Ion Ratio Lower Upper

142 100

141 83.7 65.8 98.6

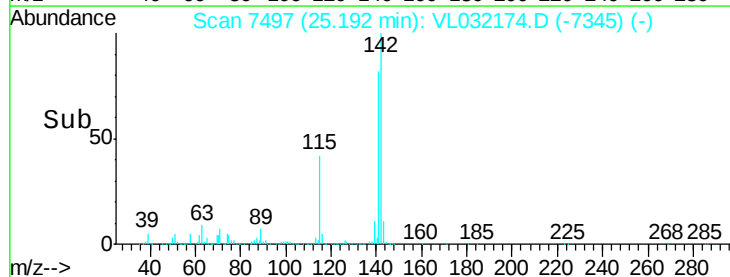
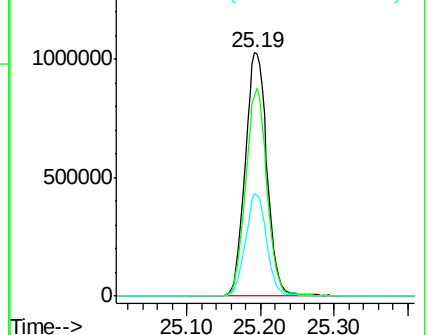
115 41.0 29.4 44.0

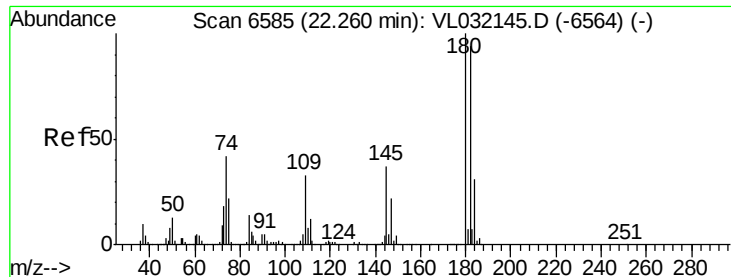


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 7.662 ppbv

RT: 22.26 min Scan# 6585

Delta R.T. -0.01 min

Lab File: VL032174.D

Acq: 30 Jun 2018 17:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

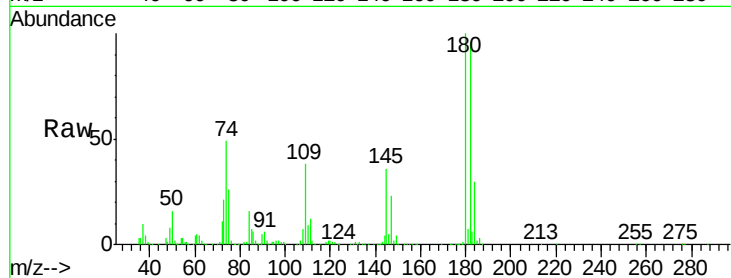
Tgt Ion:180 Resp: 1947916

Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

184 30.4 24.4 36.6



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

