

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL051618\
 Data File : VL032004.D
 Acq On : 16 May 2018 15:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: May 17 09:03:52 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1247355	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2627261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.38	117	3223355	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	2055817	8.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.30%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.15	85	1305959	7.92	ppbv	99
3) Chlorodifluoromethane	3.09	51	1138055	9.70	ppbv	99
4) Chloromethane	3.25	50	592170	9.58	ppbv	100
5) Vinyl Chloride	3.37	62	628152	9.00	ppbv	100
6) Bromomethane	3.60	94	449781	9.90	ppbv	100
7) Chloroethane	3.69	64	262347	9.88	ppbv	93
8) Dichlorotetrafluoroethane	3.30	85	1581836	9.64	ppbv	97
9) Propene	3.11	41	423389	9.84	ppbv	99
10) Heptane	8.37	43	1492112	10.09	ppbv	99
11) Trichlorofluoromethane	4.10	101	2196515	11.04	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1415310	10.10	ppbv	97
13) Ethanol	3.73	45	132292	8.24	ppbv #	100
14) Bromoethene	3.88	108	510171	9.85	ppbv	98
15) Acetone	3.99	43	1323458	7.51	ppbv	99
16) 1,3-Butadiene	3.44	39	571639	10.09	ppbv	94
17) tert-Butyl alcohol	4.45	59	768256	10.53	ppbv	99
18) 1,1-Dichloroethene	4.45	96	636244	10.36	ppbv	96
19) Isopropyl Alcohol	4.12	45	1009459	10.59	ppbv	100
20) Methylene Chloride	4.51	84	610239	10.26	ppbv	96
21) Allyl Chloride	4.58	41	1026356	10.21	ppbv	99
22) trans-1,2-Dichloroethene	5.07	96	657864	9.65	ppbv	98
23) Vinyl Acetate	5.26	43	1967439	9.76	ppbv	99
24) 1,1-Dichloroethane	5.20	63	1771225	9.42	ppbv	100
25) Ethyl Acetate	5.88	43	2819236	9.31	ppbv	100
26) Hexane	5.89	57	1331358	9.36	ppbv	99
27) Carbon Disulfide	4.72	76	1791928	11.24	ppbv	99
28) Methyl tert-Butyl Ether	5.22	73	1708647	9.76	ppbv	99
29) Chloroform	5.96	83	2118341	9.41	ppbv	98
30) Cyclohexane	7.37	84	939816	9.91	ppbv	98
31) cis-1,2-Dichloroethene	5.76	61	1253879	9.63	ppbv	97
32) 1,1,1-Trichloroethane	6.74	97	1785387	8.60	ppbv	99
34) 2-Butanone	5.44	43	1806888	8.34	ppbv	100
35) Carbon Tetrachloride	7.26	117	1924844	9.24	ppbv	97
36) Benzene	7.13	78	2160268	8.73	ppbv	98
37) 1,2-Dichloroethane	6.53	62	1519626	8.54	ppbv	99
38) Trichloroethene	8.09	130	925701	9.85	ppbv	97
39) 1,2-Dichloropropane	7.86	63	816439	9.48	ppbv	96
40) 1,4-Dioxane	8.08	88	369996	9.53	ppbv	99
41) Tetrahydrofuran	6.26	42	806476	8.54	ppbv	99
42) Bromodichloromethane	8.04	83	1927865	9.72	ppbv	99
43) Methyl Methacrylate	8.26	69	838059	10.05	ppbv	98

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 VSTDCCC010

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 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

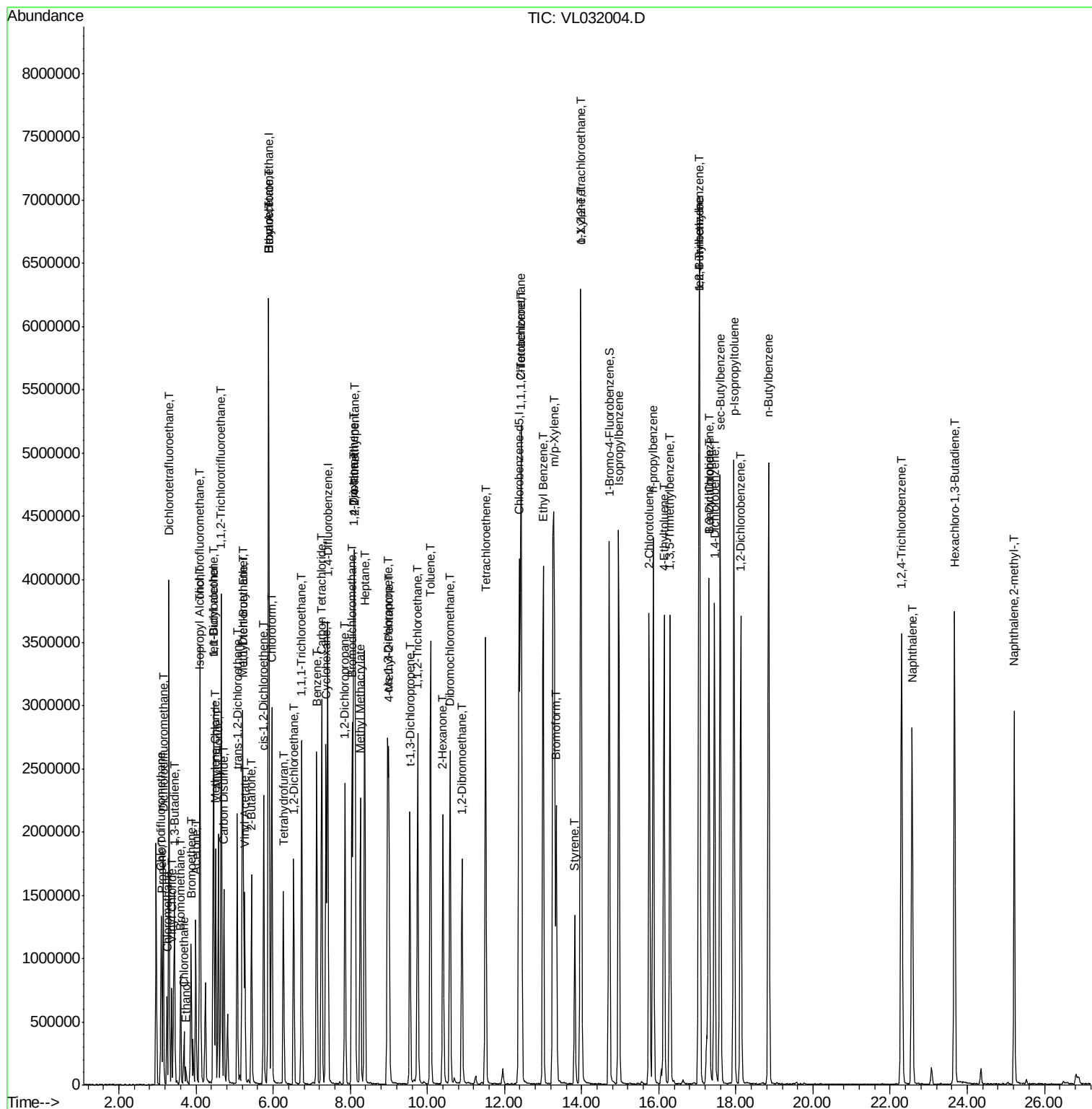
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44) 2,2,4-Trimethylpentane	8.12	57	3767164	9.44	ppbv	100
45) t-1,3-Dichloropropene	9.55	75	1234419	11.17	ppbv	99
46) cis-1,3-Dichloropropene	8.97	75	1497805	10.97	ppbv	99
47) 1,1,2-Trichloroethane	9.75	97	958263	9.40	ppbv	99
48) Dibromochloromethane	10.59	129	1651696	10.10	ppbv	99
49) Bromoform	13.34	173	1263026	9.96	ppbv	100
50) 4-Methyl-2-Pentanone	9.00	43	2018465	9.86	ppbv	99
51) 2-Hexanone	10.40	43	1939012	10.40	ppbv #	100
52) Tetrachloroethene	11.51	164	865231	9.44	ppbv	99
53) Toluene	10.08	91	2727100	10.22	ppbv	100
54) 1,2-Dibromoethane	10.90	107	1465074	9.65	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.41	131	1126448	7.67	ppbv #	60
57) Chlorobenzene	12.44	112	2093141	7.53	ppbv	100
58) Ethyl Benzene	13.00	91	3739340	8.10	ppbv	99
59) m/p-Xylene	13.29	91	3059071	7.81	ppbv #	30
60) o-Xylene	13.99	91	3147708	8.01	ppbv	100
61) Styrene	13.82	104	736933	9.25	ppbv	99
62) Isopropylbenzene	14.96	105	3860235	7.69	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.97	83	2018317	7.23	ppbv	99
64) n-propylbenzene	15.86	120	982943	7.80	ppbv	99
65) tert-Butylbenzene	17.04	119	3365712	7.51	ppbv	99
66) Benzyl Chloride	17.30	91	346921	8.52	ppbv	99
67) sec-Butylbenzene	17.59	105	4764044	7.66	ppbv	100
69) p-Isopropyltoluene	17.95	119	3934605	7.87	ppbv	99
70) n-Butylbenzene	18.85	91	4113385	7.95	ppbv	99
71) 2-Chlorotoluene	15.75	91	2923721	7.95	ppbv	100
72) 4-Ethyltoluene	16.14	105	3244398	8.13	ppbv	99
73) 1,3,5-Trimethylbenzene	16.29	105	2898002	7.86	ppbv	99
74) 1,2,4-Trimethylbenzene	17.06	105	3113192	7.63	ppbv	94
75) 1,3-Dichlorobenzene	17.30	146	1946991	7.73	ppbv	99
76) 1,4-Dichlorobenzene	17.44	146	1961077	7.87	ppbv	100
77) 1,2-Dichlorobenzene	18.12	146	1917058	7.56	ppbv	100
78) Hexachloro-1,3-Butadiene	23.67	225	987409	8.57	ppbv	100
79) Naphthalene	22.57	128	3451282	12.15	ppbv	98
80) Naphthalene,2-methyl-	25.22	142	1561733	23.05	ppbv	99
81) 1,2,4-Trichlorobenzene	22.30	180	1709433	10.85	ppbv	100

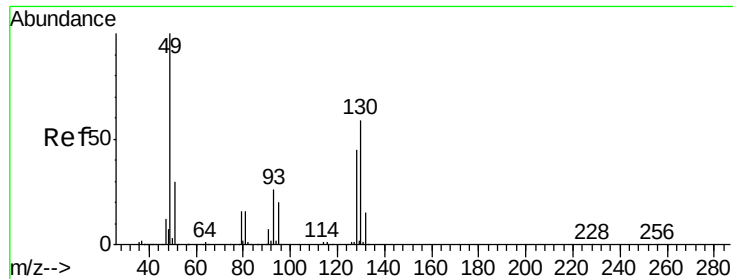
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Operator  : SY/AP  
Sample    : VSTDCCC010  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1      Sample Multiplier: 1
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Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

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QLast Update : Thu May 03 15:52:13 2018
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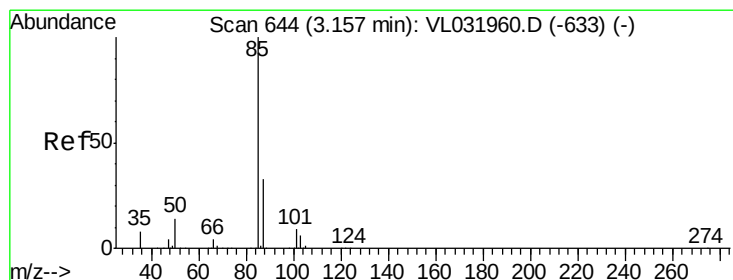
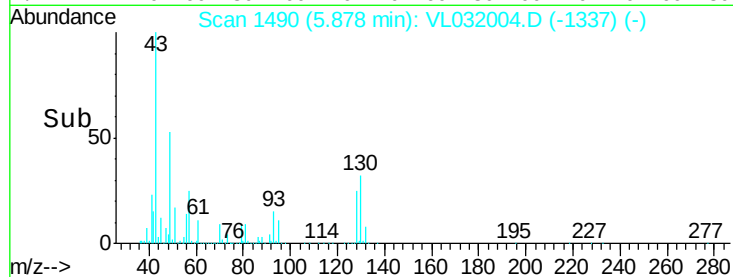
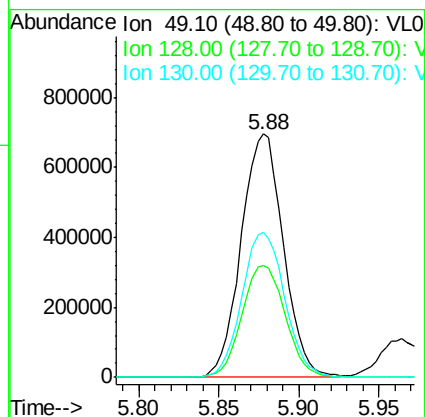
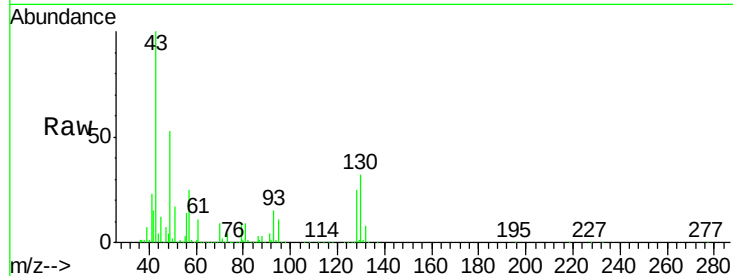




#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

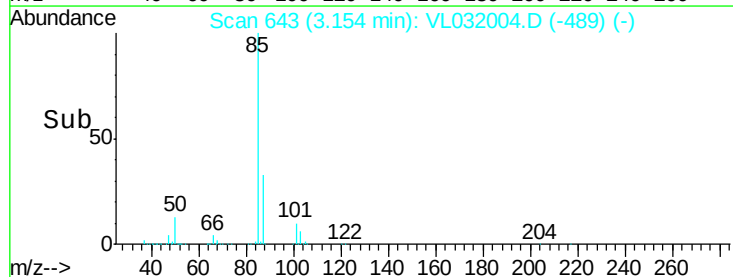
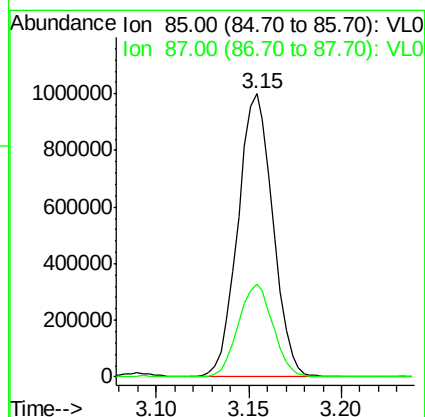
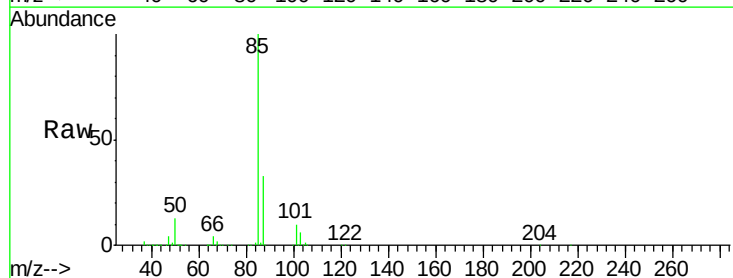
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

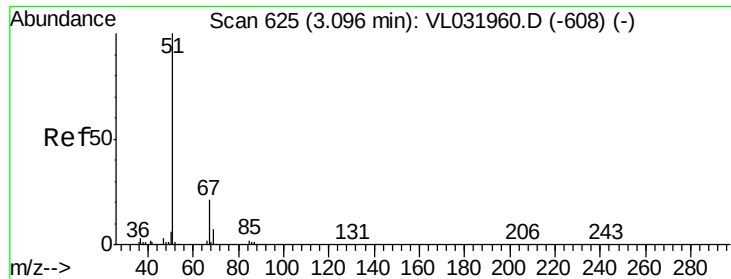
Tgt Ion:	49	Resp:	1247355
Ion	Ratio	Lower	Upper
49	100		
128	47.7	24.1	72.3
130	61.1	30.7	92.1



#2
 Dichlorodifluoromethane
 Concen: 7.92 ppbv
 RT: 3.15 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion:	85	Resp:	1305959
Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.8	40.2





#3

Chlorodifluoromethane

Concen: 9.70 ppbv

RT: 3.09 min Scan# 623

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

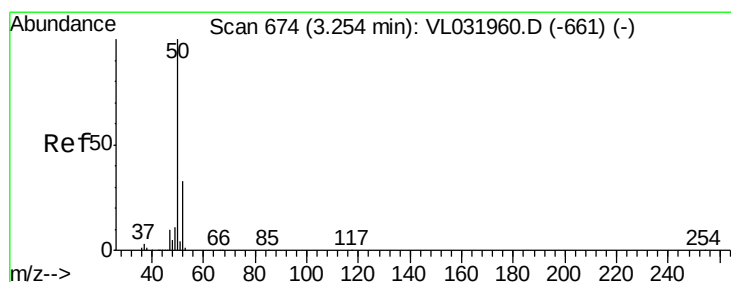
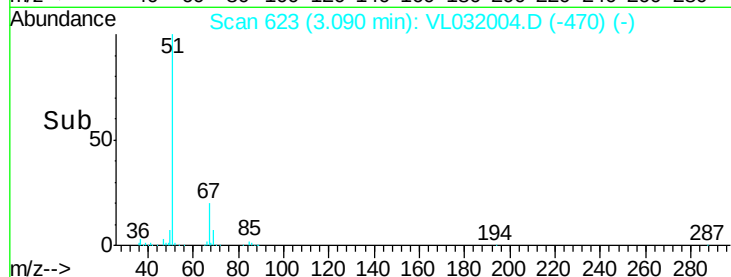
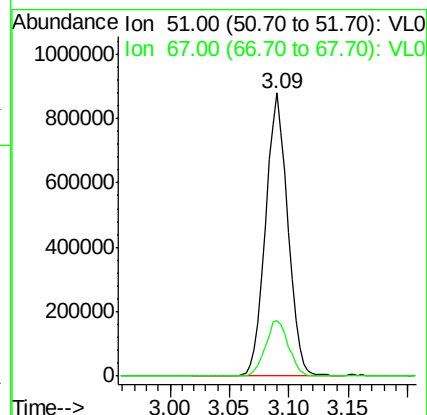
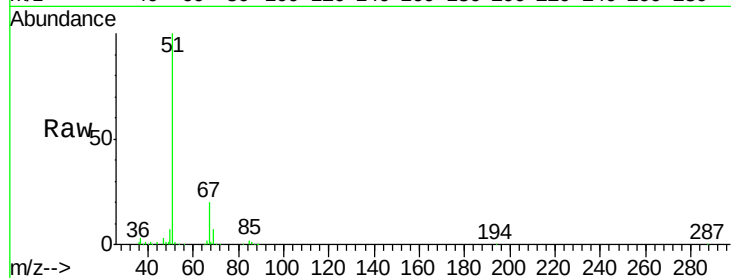
VSTDCCC010

Tgt Ion: 51 Resp: 1138055

Ion Ratio Lower Upper

51 100

67 20.5 15.9 23.9



#4

Chloromethane

Concen: 9.58 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032004.D

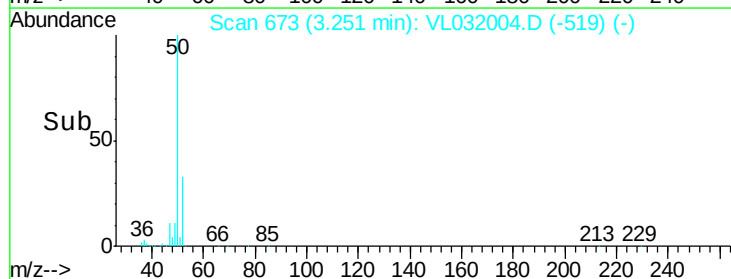
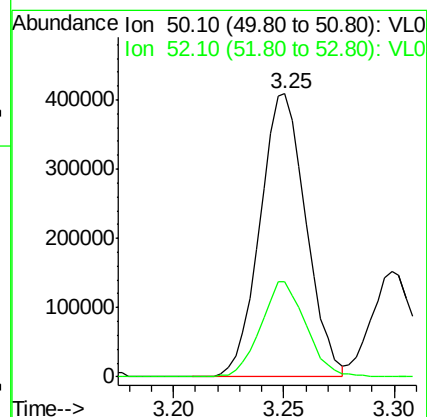
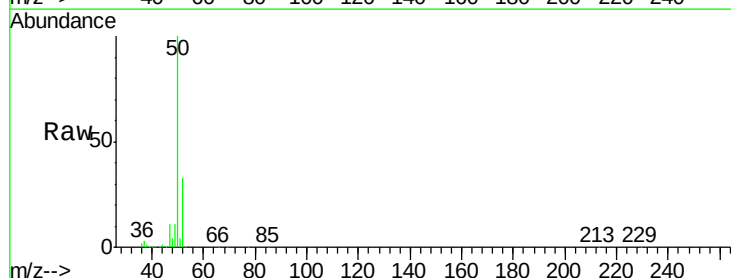
Acq: 16 May 2018 15:00

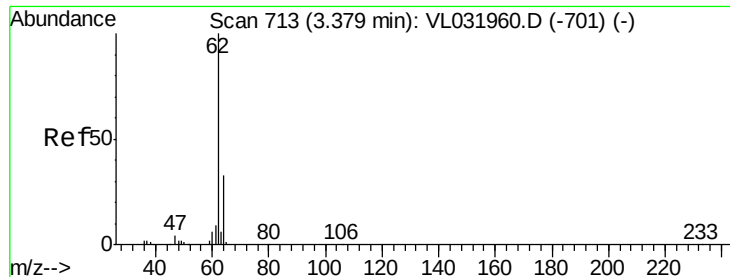
Tgt Ion: 50 Resp: 592170

Ion Ratio Lower Upper

50 100

52 33.4 26.6 39.8





#5

Vinyl Chloride

Concen: 9.00 ppbv

RT: 3.37 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

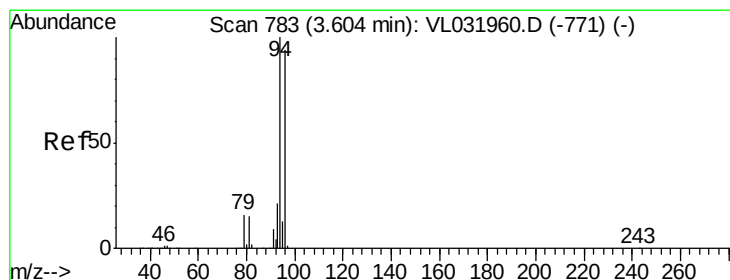
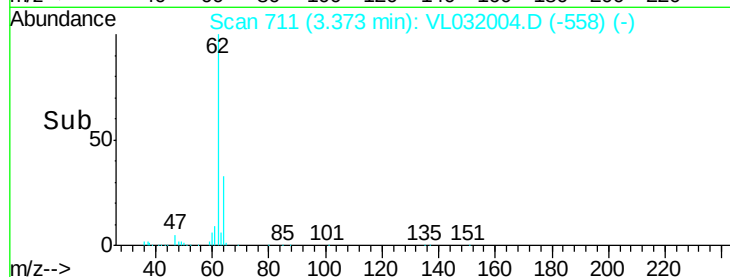
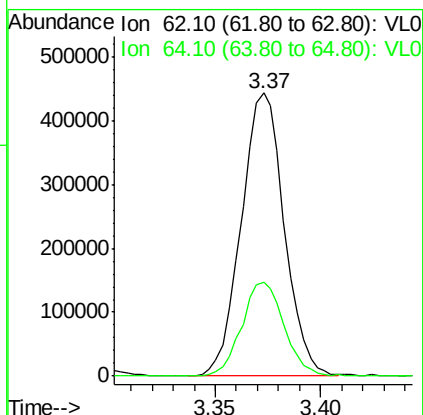
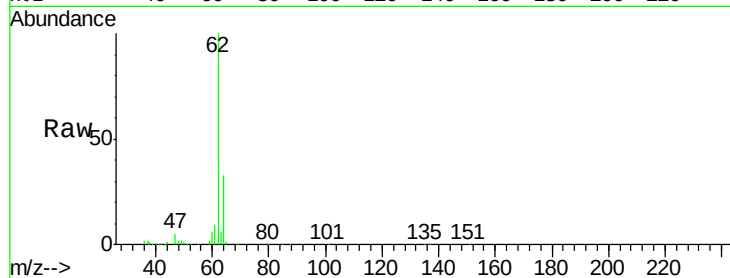
VSTDCCC010

Tgt Ion: 62 Resp: 628152

Ion Ratio Lower Upper

62 100

64 33.2 26.6 39.8



#6

Bromomethane

Concen: 9.90 ppbv

RT: 3.60 min Scan# 781

Delta R.T. -0.01 min

Lab File: VL032004.D

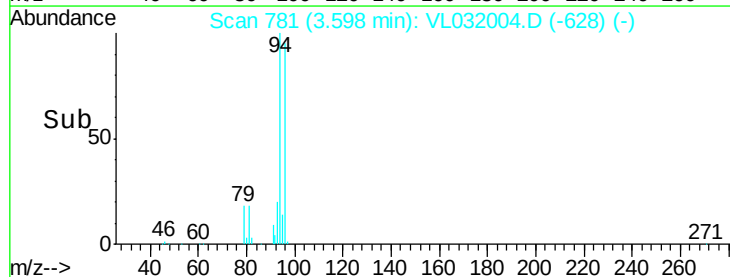
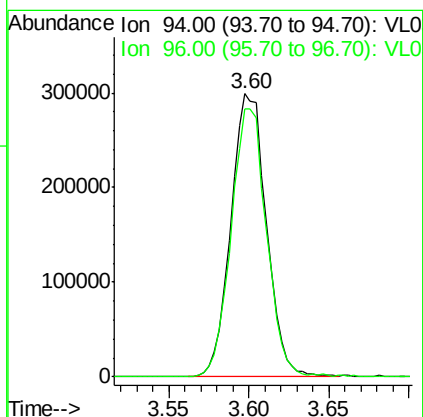
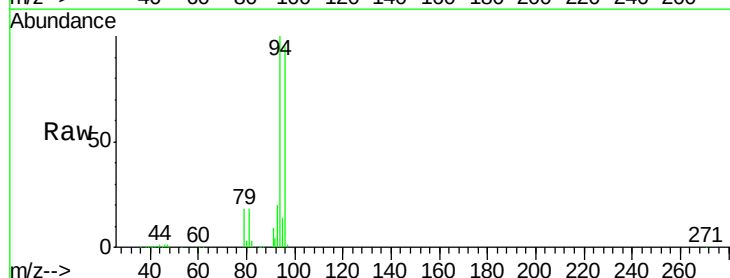
Acq: 16 May 2018 15:00

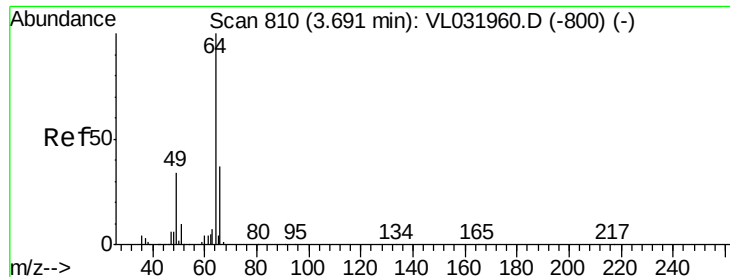
Tgt Ion: 94 Resp: 449781

Ion Ratio Lower Upper

94 100

96 94.7 75.5 113.3





#7

Chloroethane

Concen: 9.88 ppbv

RT: 3.69 min Scan# 809

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

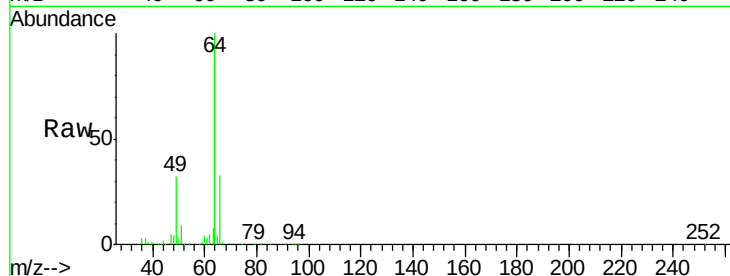
VSTDCCC010

Tgt Ion: 64 Resp: 262347

Ion Ratio Lower Upper

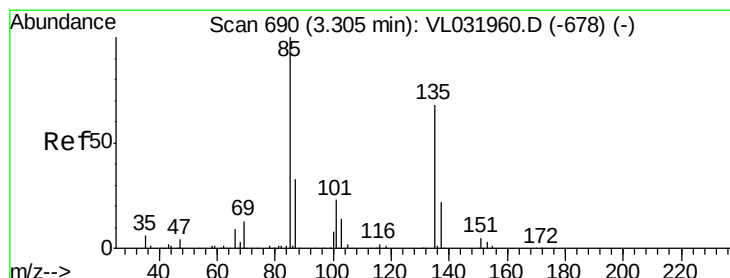
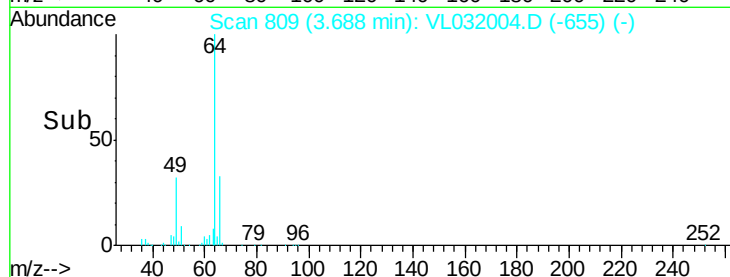
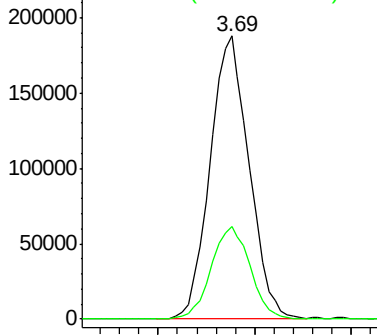
64 100

66 32.9 29.6 44.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.64 ppbv

RT: 3.30 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL032004.D

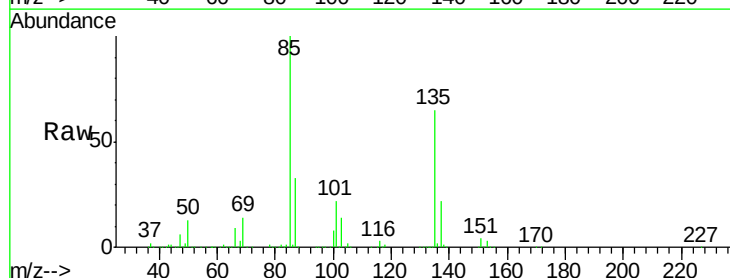
Acq: 16 May 2018 15:00

Tgt Ion: 85 Resp: 1581836

Ion Ratio Lower Upper

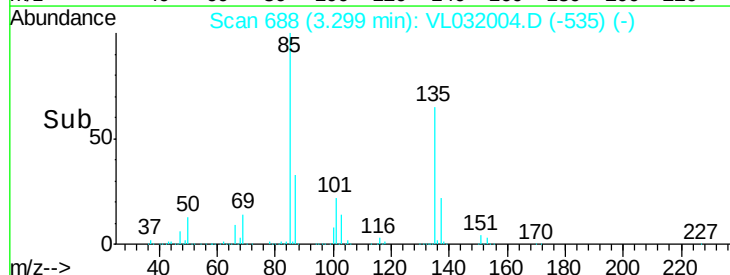
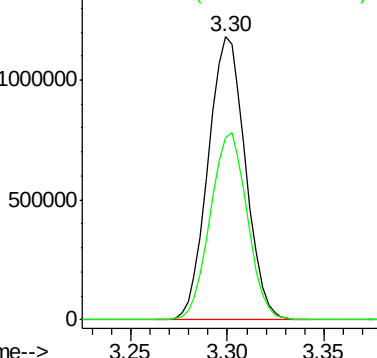
85 100

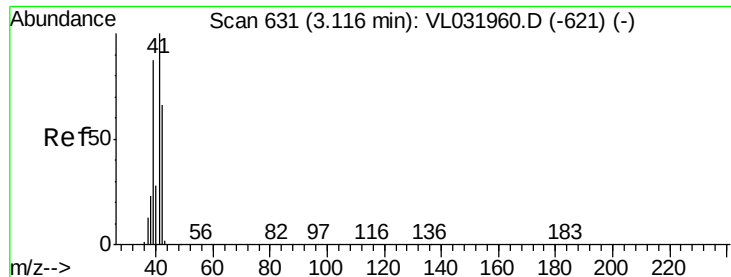
135 66.1 54.8 82.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.84 ppbv

RT: 3.11 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

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ClientSampleId :

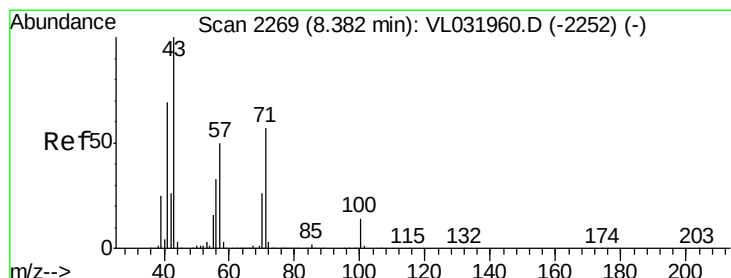
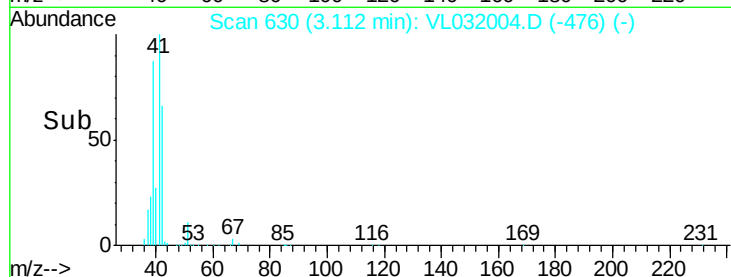
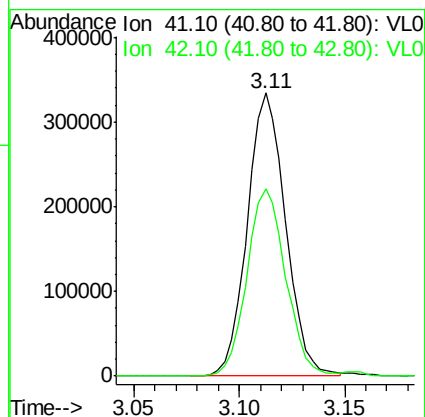
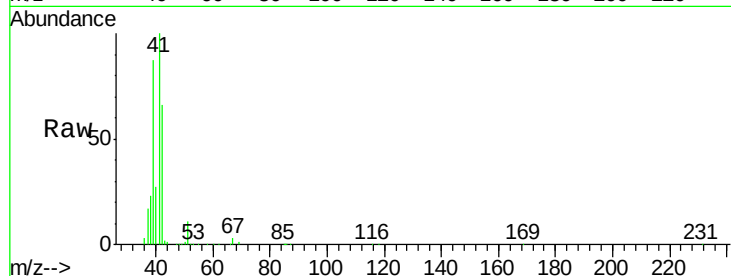
VSTDCCC010

Tgt Ion: 41 Resp: 423389

Ion Ratio Lower Upper

41 100

42 68.3 53.9 80.9



#10

Heptane

Concen: 10.09 ppbv

RT: 8.37 min Scan# 2266

Delta R.T. -0.01 min

Lab File: VL032004.D

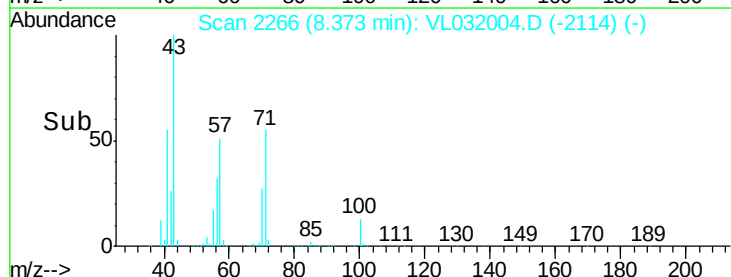
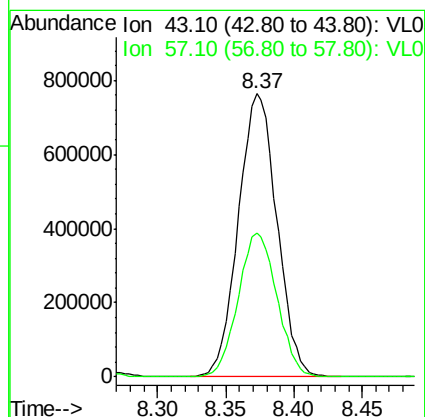
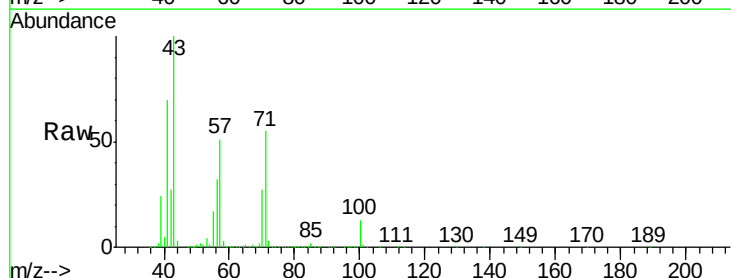
Acq: 16 May 2018 15:00

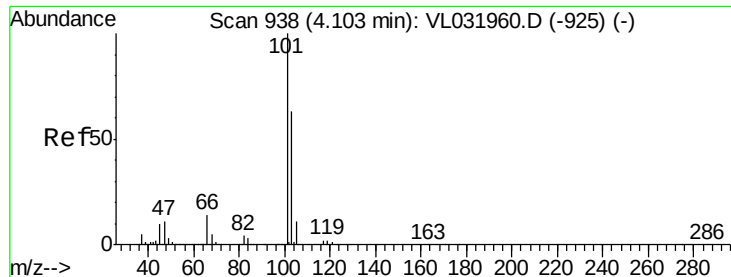
Tgt Ion: 43 Resp: 1492112

Ion Ratio Lower Upper

43 100

57 51.4 40.7 61.1

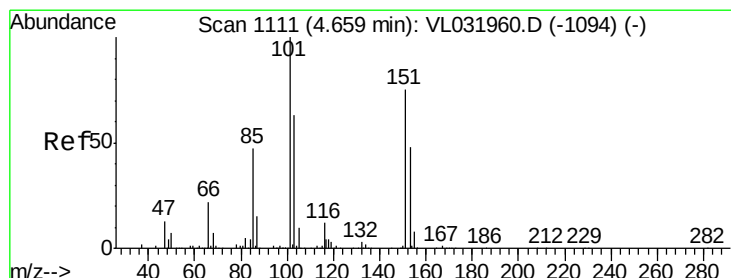
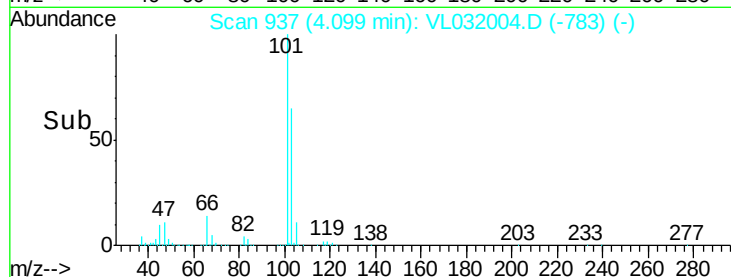
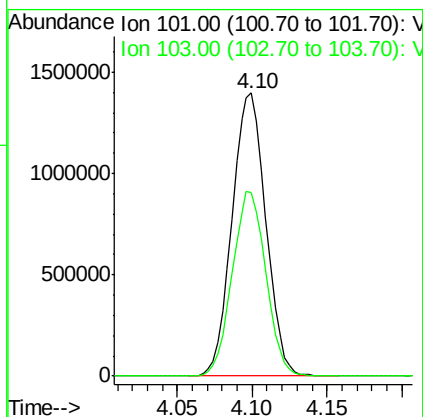
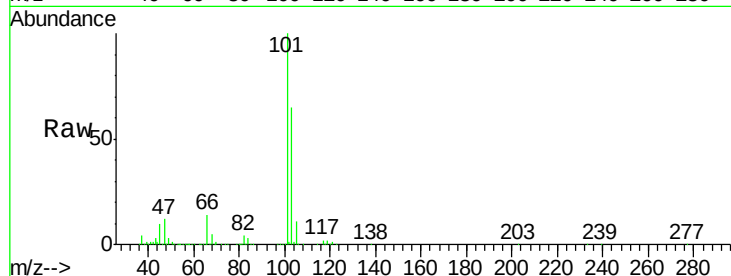




#11
 Trichlorofluoromethane
 Concen: 11.04 ppbv
 RT: 4.10 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

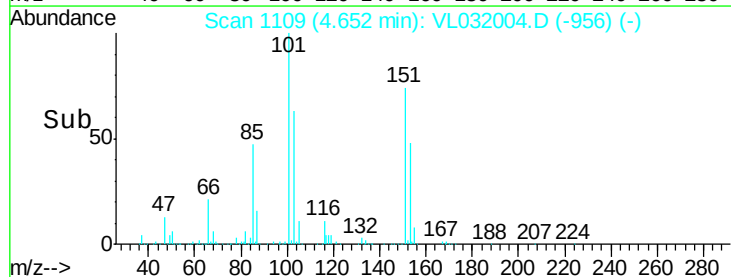
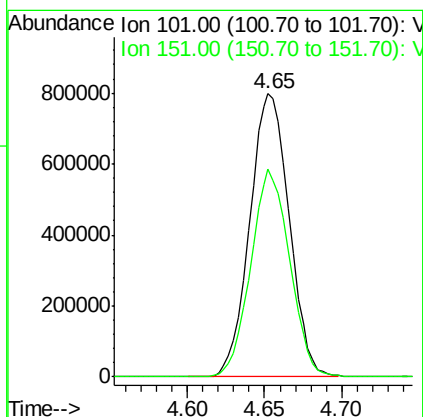
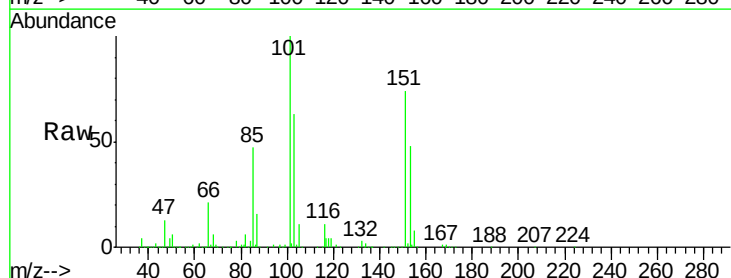
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

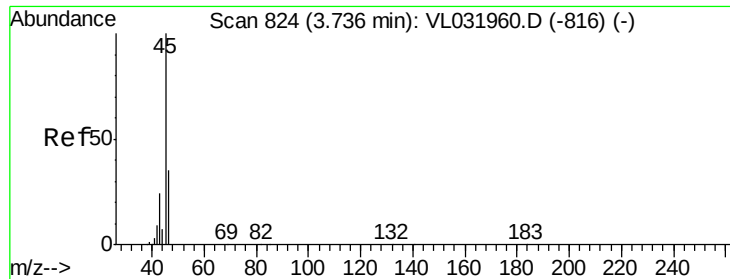
Tgt Ion:101 Resp: 2196515
 Ion Ratio Lower Upper
 101 100
 103 65.0 50.7 76.1



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.10 ppbv
 RT: 4.65 min Scan# 1109
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion:101 Resp: 1415310
 Ion Ratio Lower Upper
 101 100
 151 72.7 60.2 90.2





#13

Ethanol

Concen: 8.24 ppbv

RT: 3.73 min Scan# 823

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

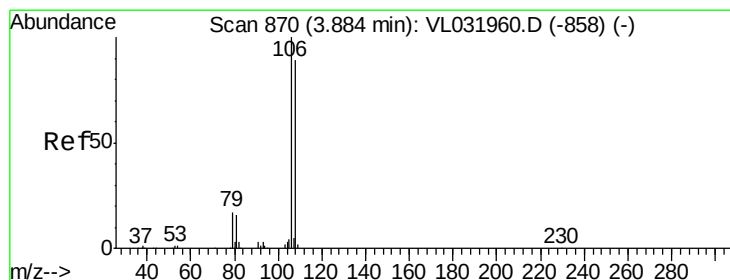
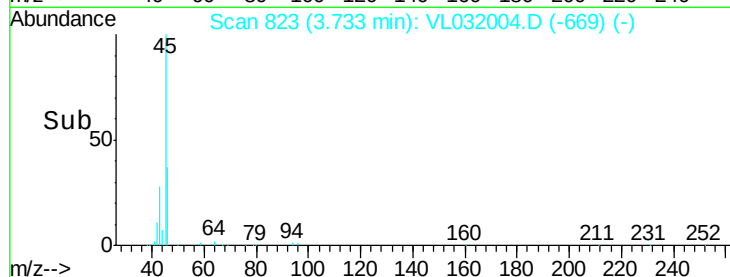
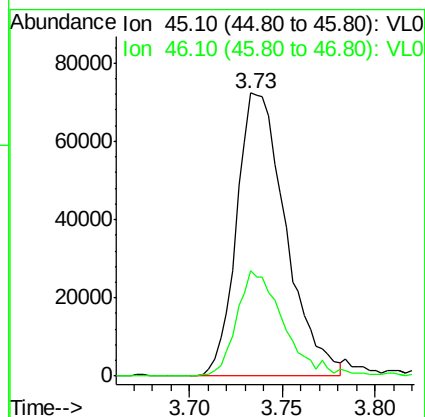
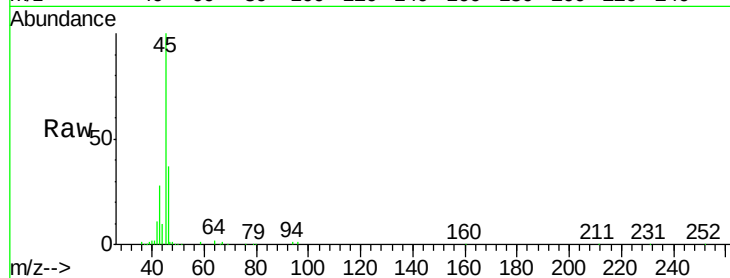
VSTDCCC010

Tgt Ion: 45 Resp: 132292

Ion Ratio Lower Upper

45 100

46 37.1 0.0 0.0#



#14

Bromoethene

Concen: 9.85 ppbv

RT: 3.88 min Scan# 868

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

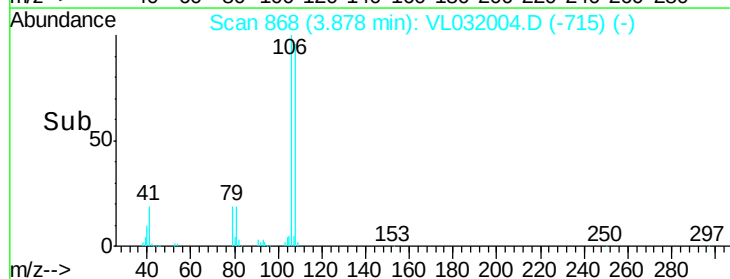
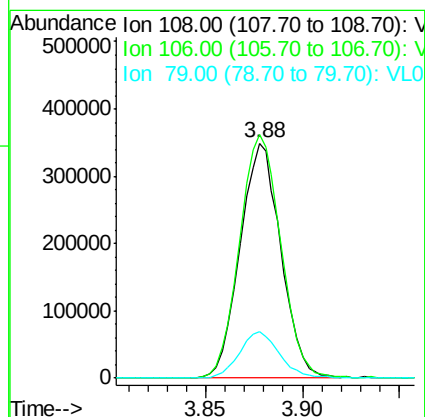
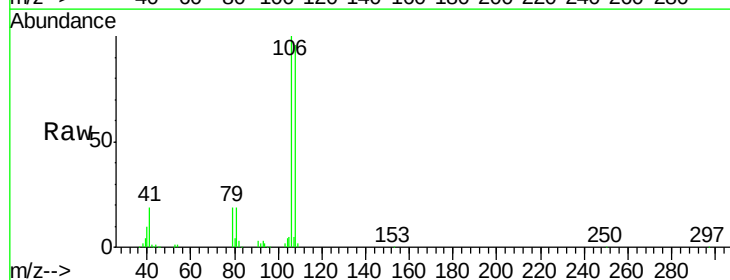
Tgt Ion: 108 Resp: 510171

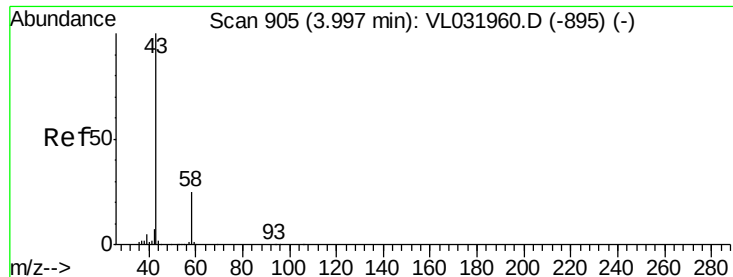
Ion Ratio Lower Upper

108 100

106 106.0 86.8 130.2

79 19.5 14.7 22.1





#15

Acetone

Concen: 7.51 ppbv

RT: 3.99 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

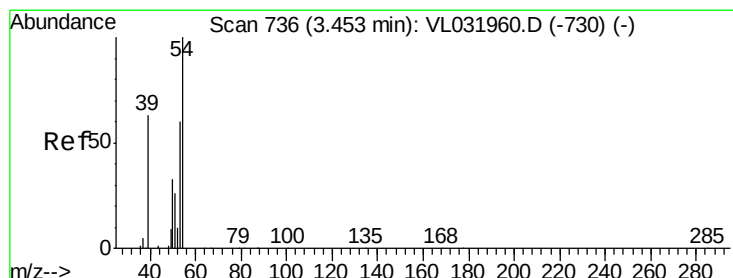
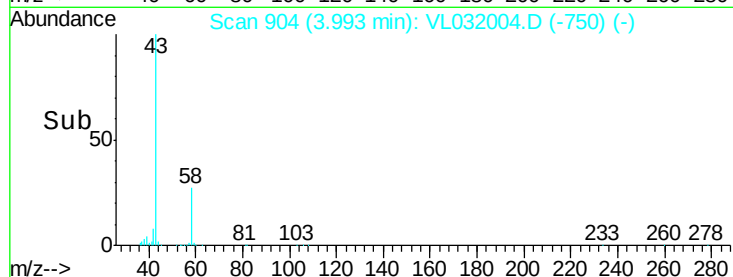
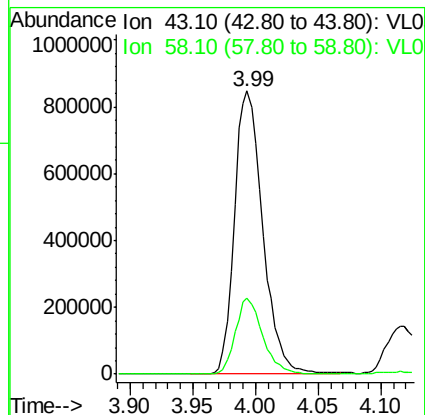
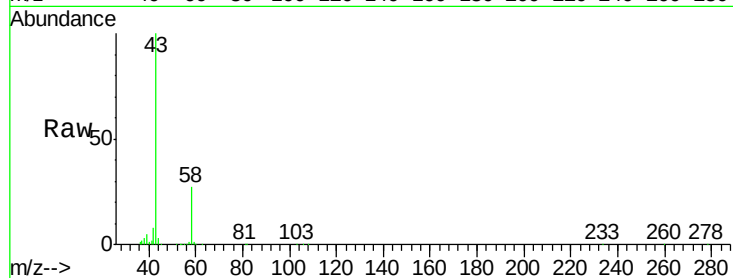
VSTDCCC010

Tgt Ion: 43 Resp: 1323458

Ion Ratio Lower Upper

43 100

58 26.0 21.1 31.7



#16

1,3-Butadiene

Concen: 10.09 ppbv

RT: 3.44 min Scan# 733

Delta R.T. -0.01 min

Lab File: VL032004.D

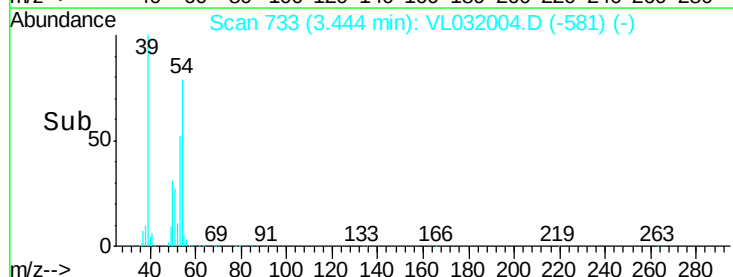
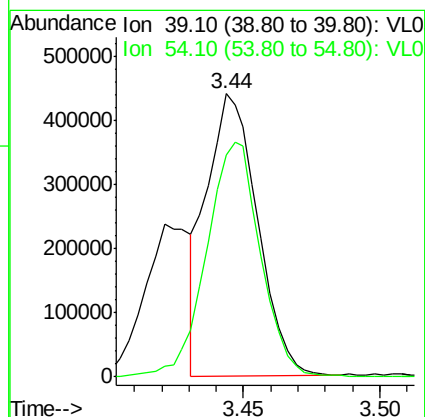
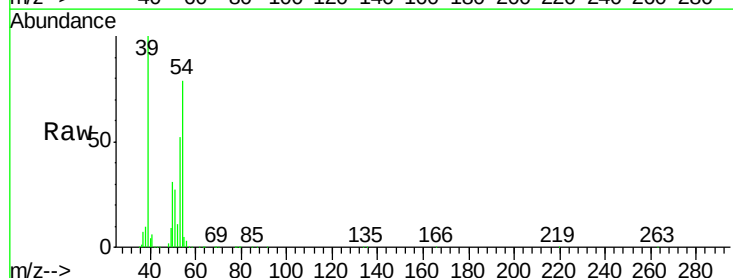
Acq: 16 May 2018 15:00

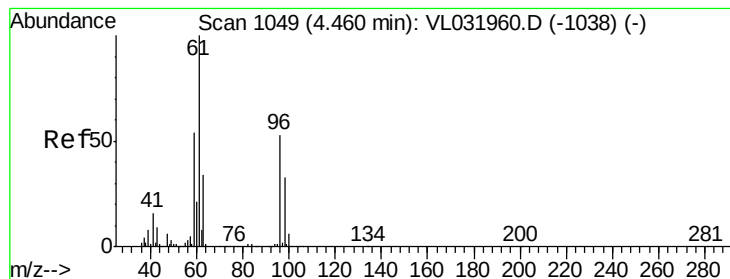
Tgt Ion: 39 Resp: 571639

Ion Ratio Lower Upper

39 100

54 88.3 66.2 99.2





#17

tert-Butyl alcohol

Concen: 10.53 ppbv

RT: 4.45 min Scan# 1047

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

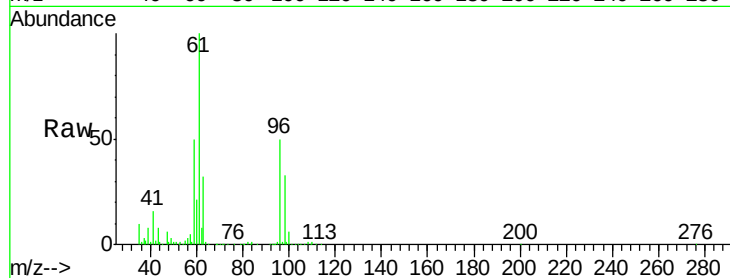
VSTDCCC010

Tgt Ion: 59 Resp: 768256

Ion Ratio Lower Upper

59 100

57 9.9 8.3 12.5



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.45

400000

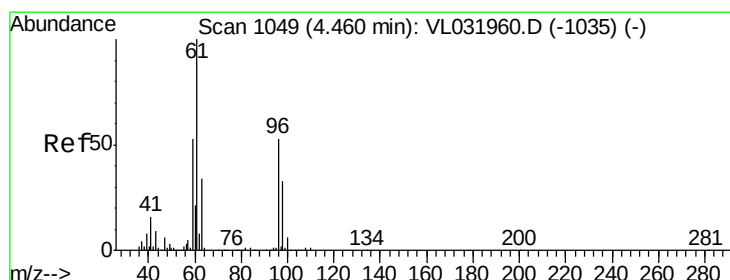
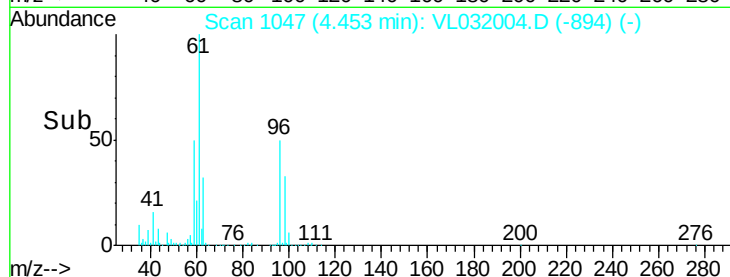
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.36 ppbv

RT: 4.45 min Scan# 1046

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

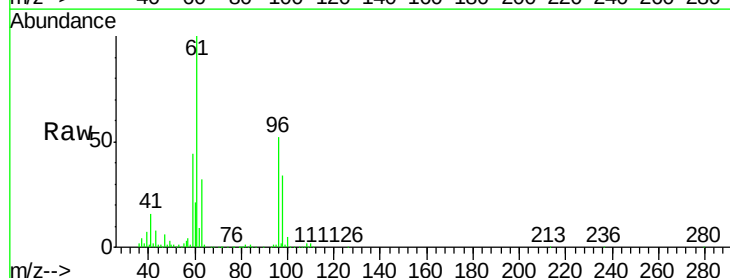
Tgt Ion: 96 Resp: 636244

Ion Ratio Lower Upper

96 100

61 192.8 149.9 224.9

98 64.8 49.7 74.5



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

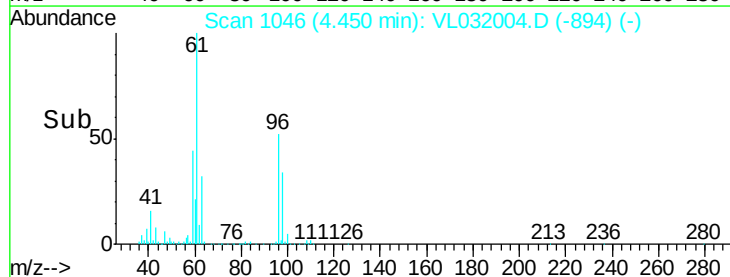
600000

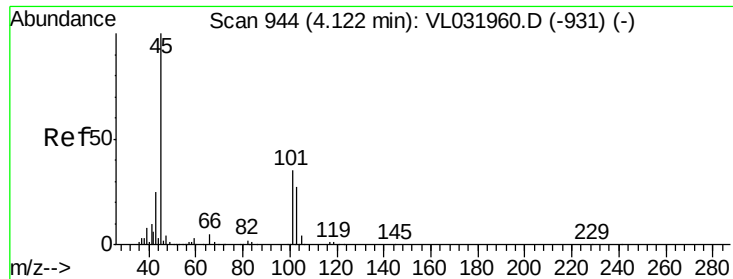
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.59 ppbv

RT: 4.12 min Scan# 942

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

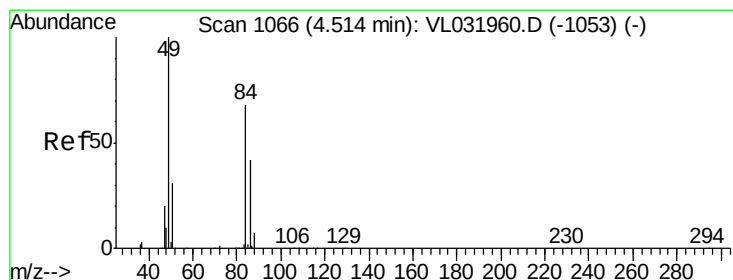
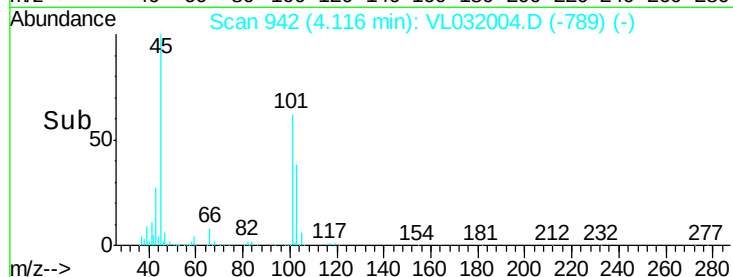
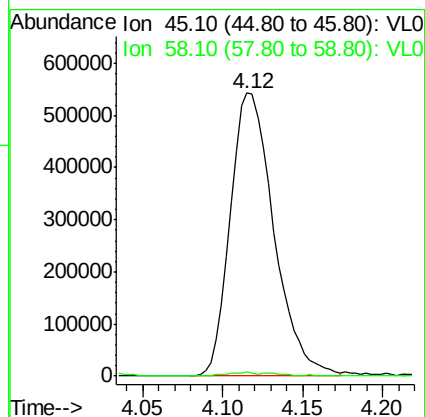
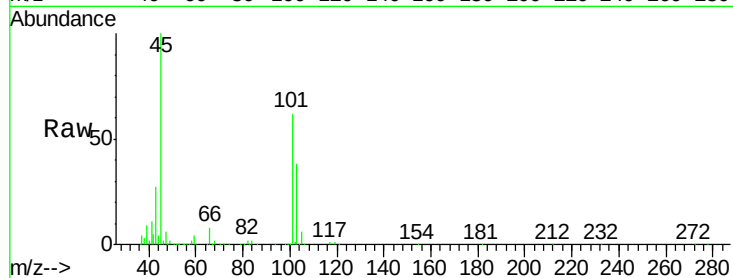
VSTDCCC010

Tgt Ion: 45 Resp: 1009459

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.2



#20

Methylene Chloride

Concen: 10.26 ppbv

RT: 4.51 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tgt Ion: 84 Resp: 610239

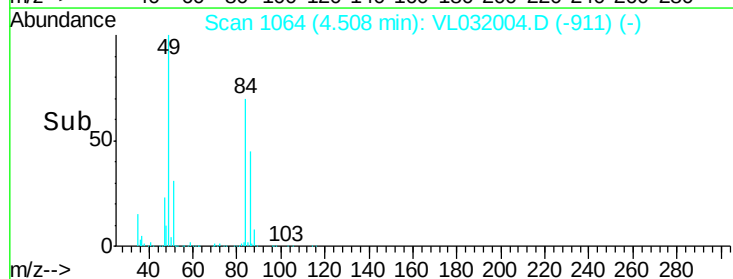
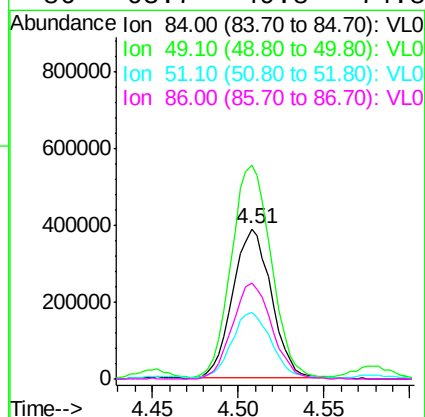
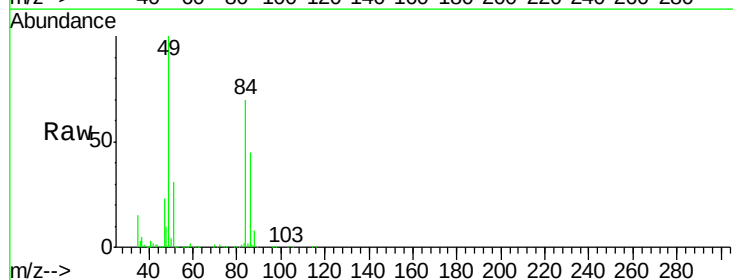
Ion Ratio Lower Upper

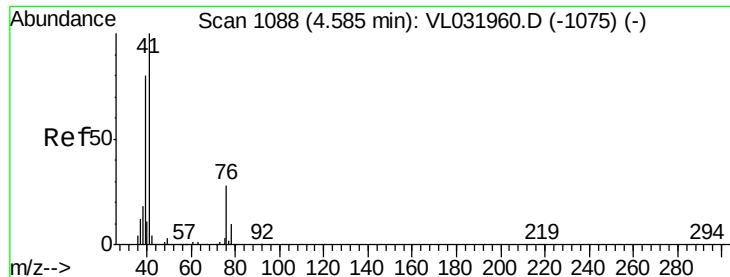
84 100

49 141.6 118.6 178.0

51 43.9 36.6 54.8

86 63.7 49.8 74.8

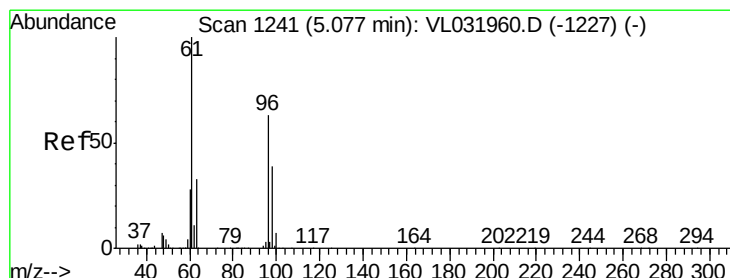
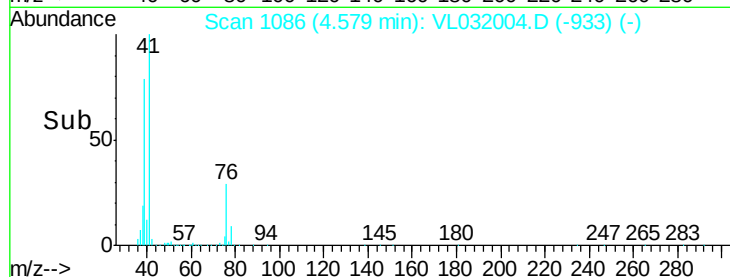
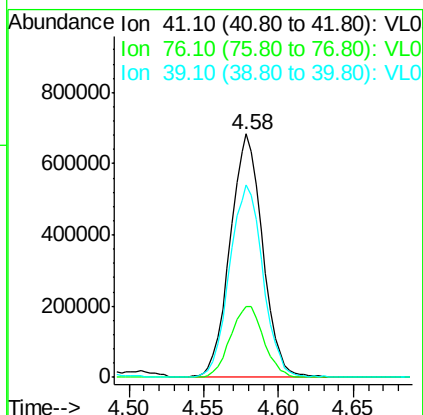
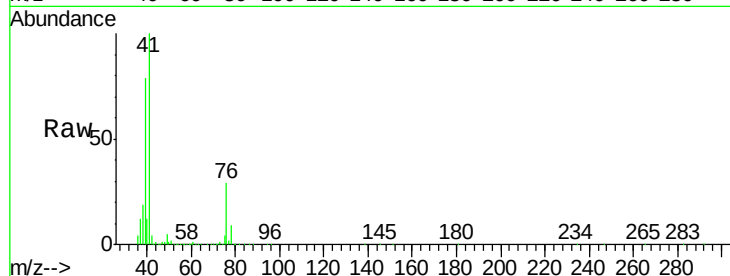




#21
 Allyl Chloride
 Concen: 10.21 ppbv
 RT: 4.58 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

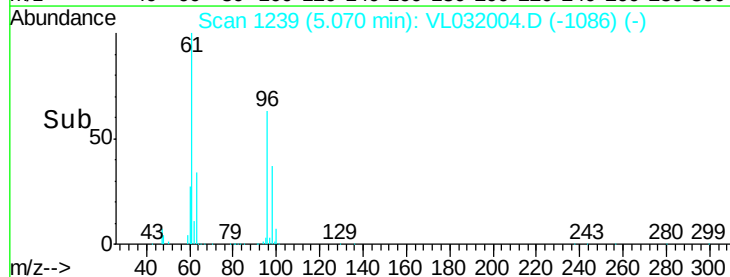
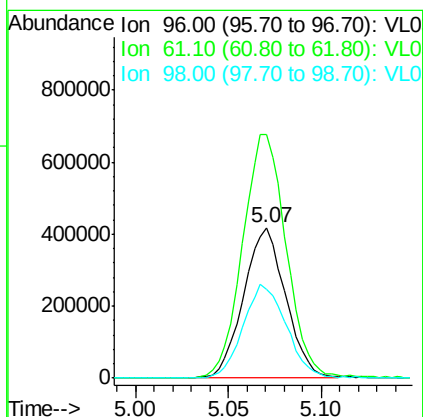
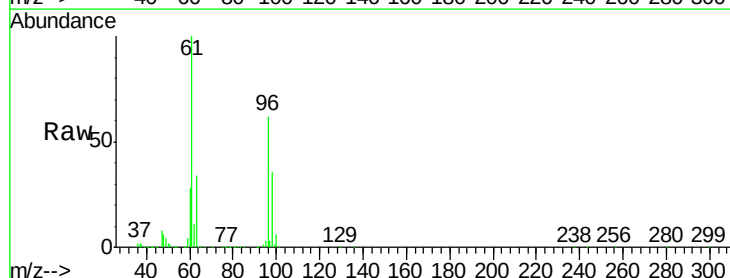
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

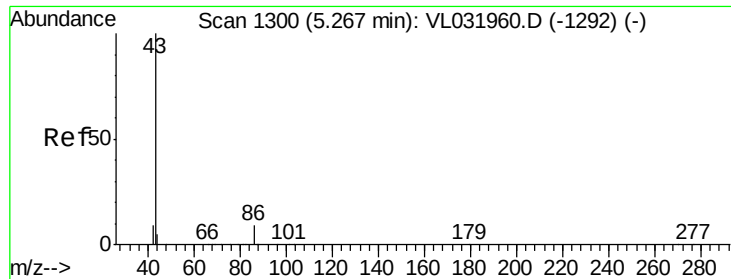
Tgt Ion: 41 Resp: 1026356
 Ion Ratio Lower Upper
 41 100
 76 30.2 23.4 35.0
 39 81.4 64.5 96.7



#22
 trans-1,2-Dichloroethene
 Concen: 9.65 ppbv
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 96 Resp: 657864
 Ion Ratio Lower Upper
 96 100
 61 161.2 127.7 191.5
 98 58.7 49.3 73.9





#23

Vinyl Acetate

Concen: 9.76 ppbv

RT: 5.26 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1967439

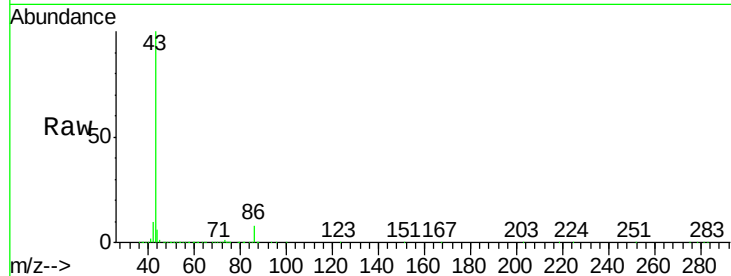
Ion Ratio Lower Upper

43 100

86 8.0 6.1 9.1

42 10.3 8.0 12.0

44 5.5 3.9 5.9

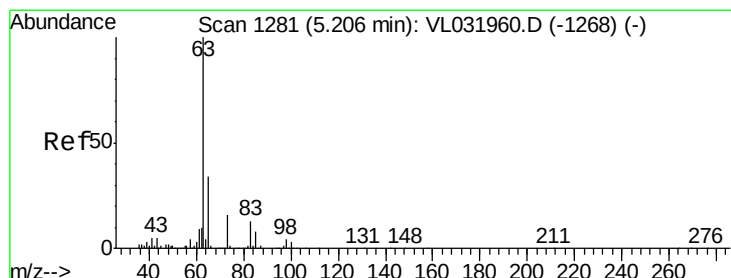
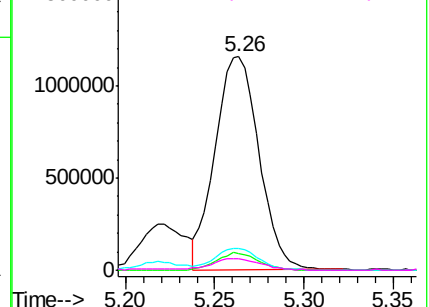
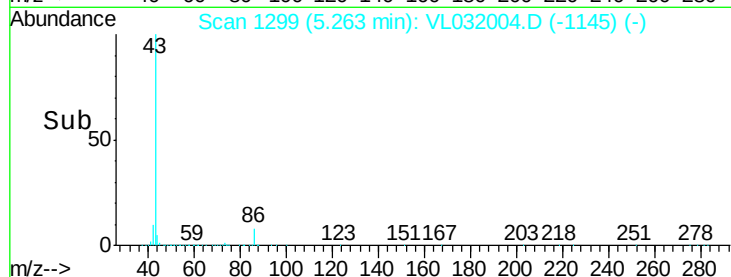


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.42 ppbv

RT: 5.20 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

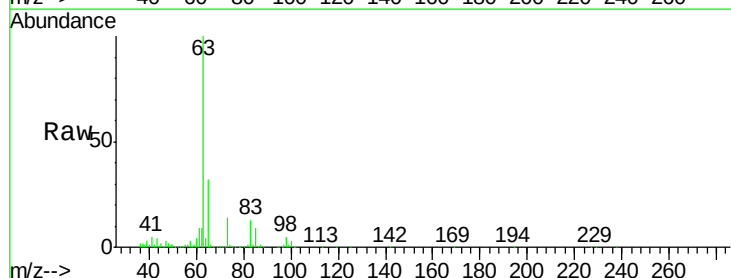
Tgt Ion: 63 Resp: 1771225

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

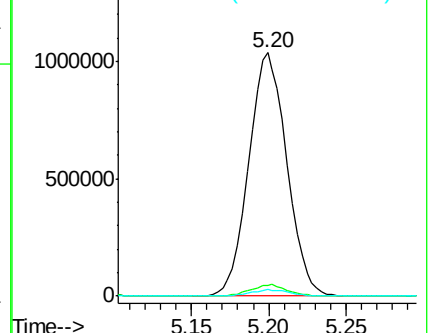
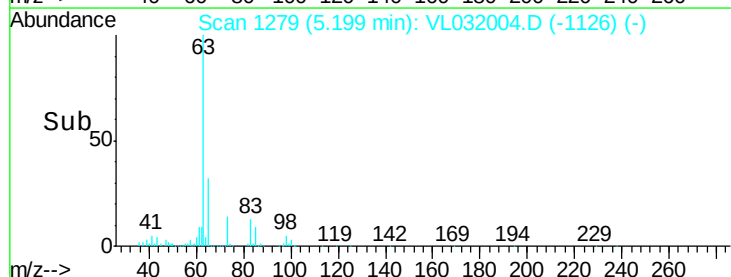
100 2.7 1.5 4.5

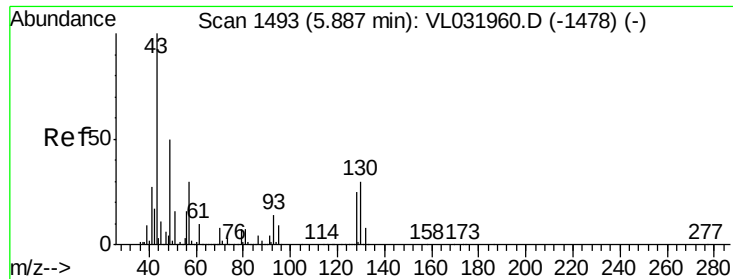


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



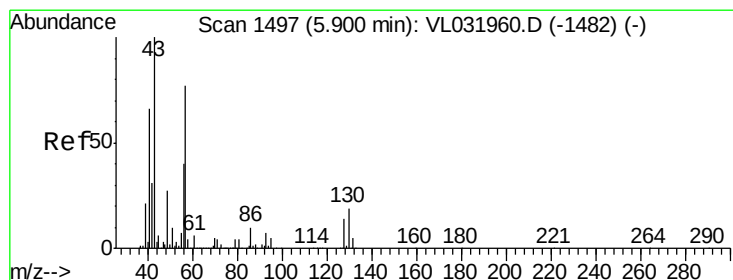
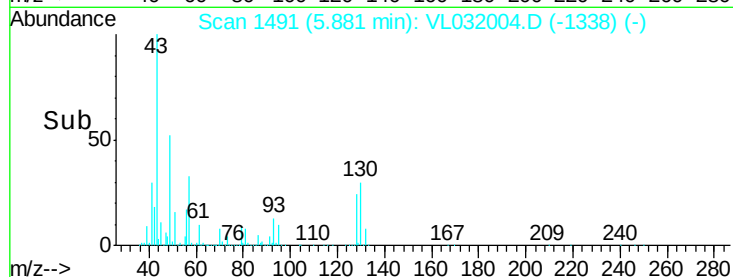
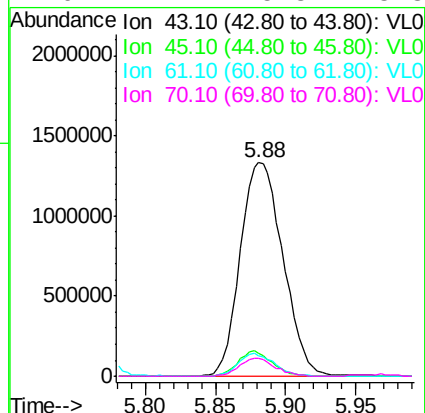
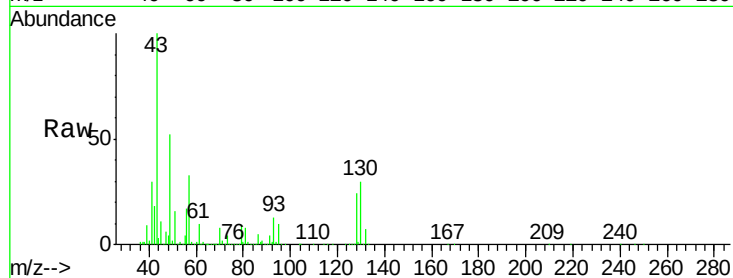


#25
Ethyl Acetate
Concen: 9.31 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2819236

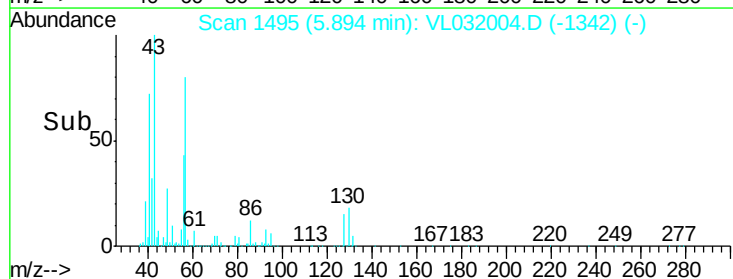
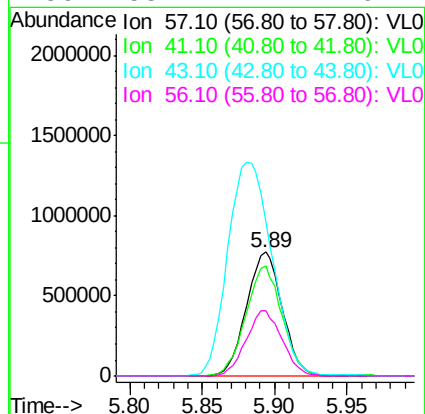
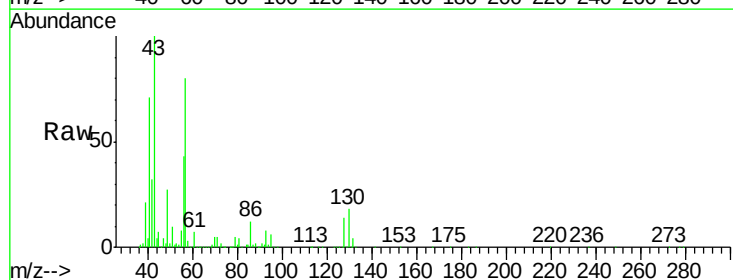
Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.3	7.4	11.2
70	7.1	5.8	8.8

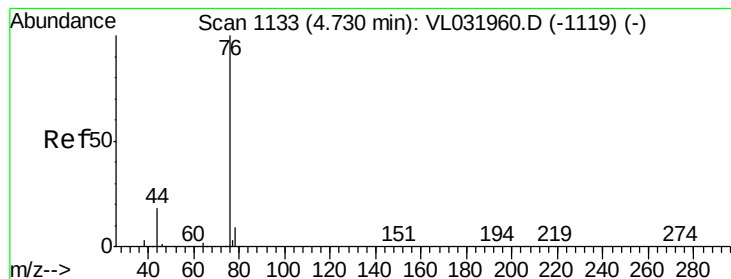


#26
Hexane
Concen: 9.36 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion: 57 Resp: 1331358

Ion	Ratio	Lower	Upper
57	100		
41	90.9	71.8	107.6
43	212.9	171.5	257.3
56	53.2	41.4	62.2





#27

Carbon Disulfide

Concen: 11.24 ppbv

RT: 4.72 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

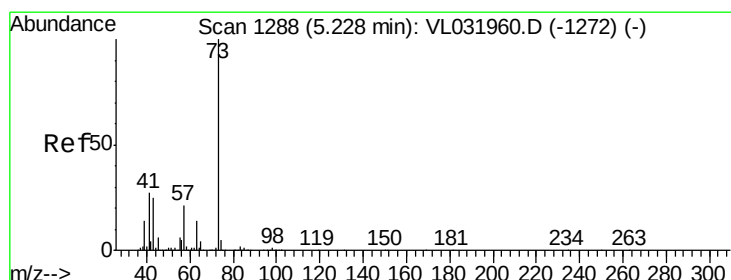
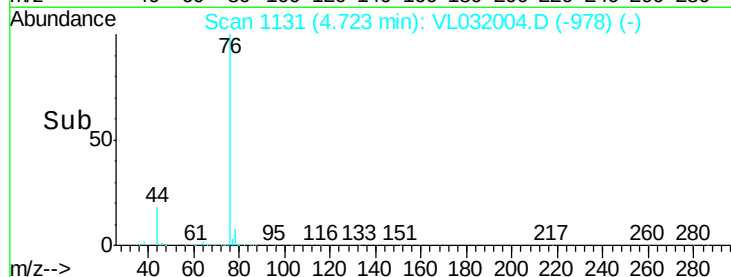
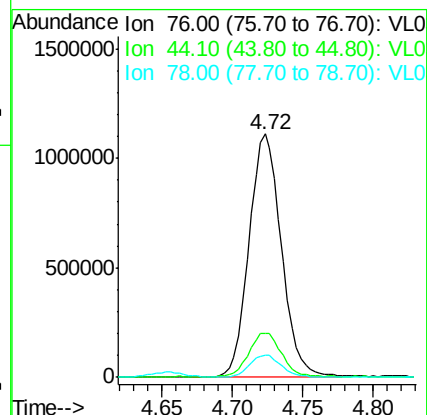
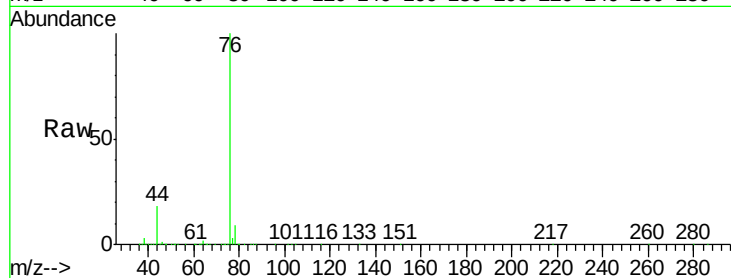
Tgt Ion: 76 Resp: 1791928

Ion Ratio Lower Upper

76 100

44 18.7 15.4 23.0

78 9.1 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 9.76 ppbv

RT: 5.22 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VL032004.D

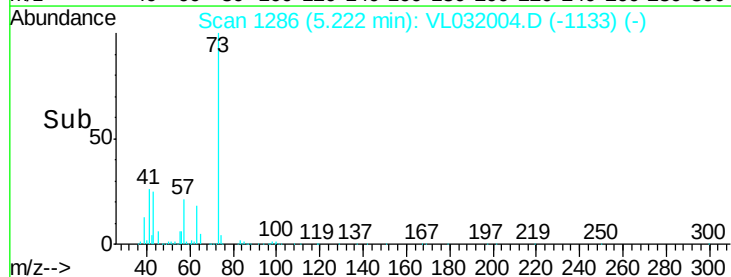
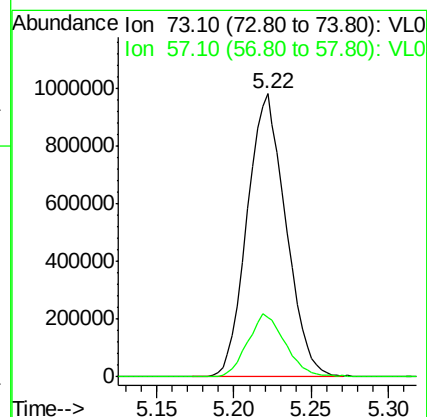
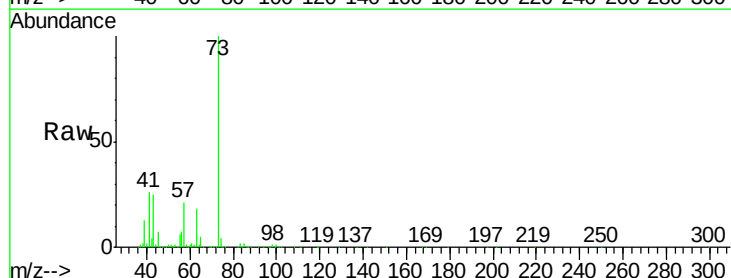
Acq: 16 May 2018 15:00

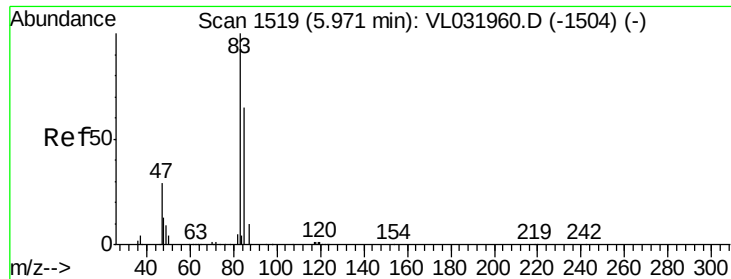
Tgt Ion: 73 Resp: 1708647

Ion Ratio Lower Upper

73 100

57 21.7 17.6 26.4





#29

Chloroform

Concen: 9.41 ppbv

RT: 5.96 min Scan# 1517

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

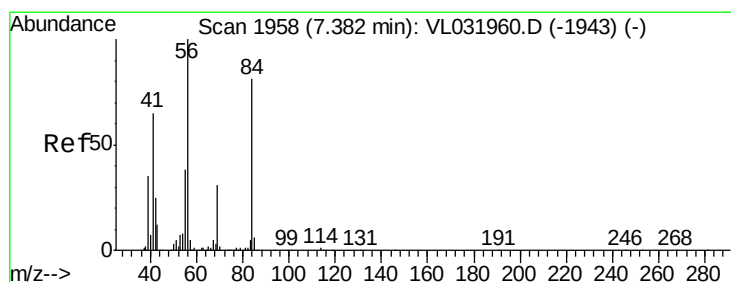
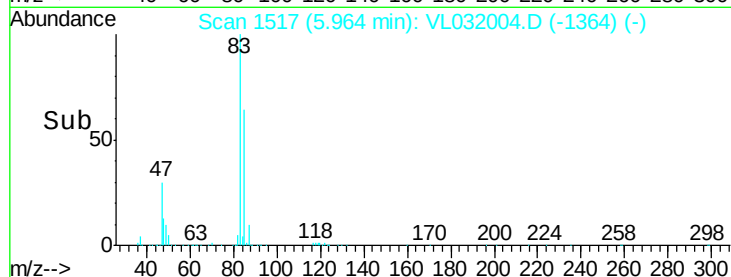
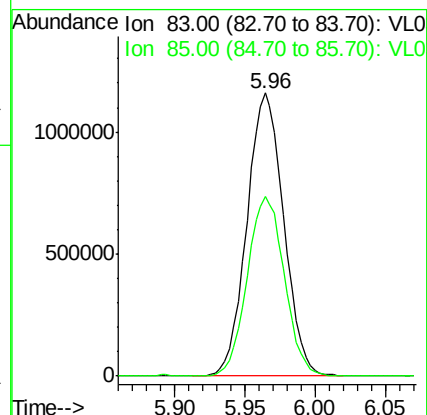
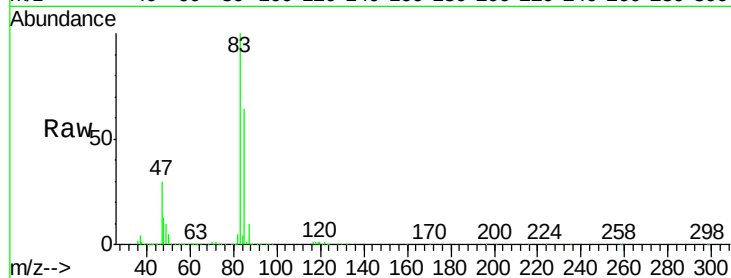
VSTDCCC010

Tgt Ion: 83 Resp: 2118341

Ion Ratio Lower Upper

83 100

85 63.5 52.2 78.2



#30

Cyclohexane

Concen: 9.91 ppbv

RT: 7.37 min Scan# 1954

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

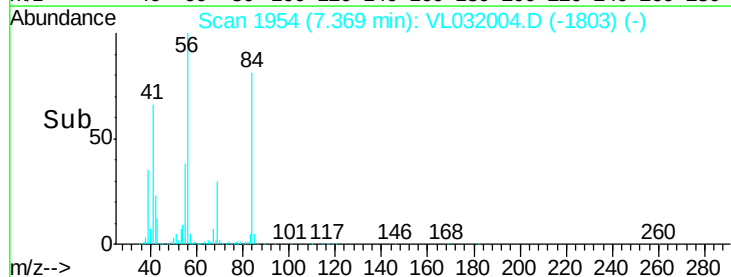
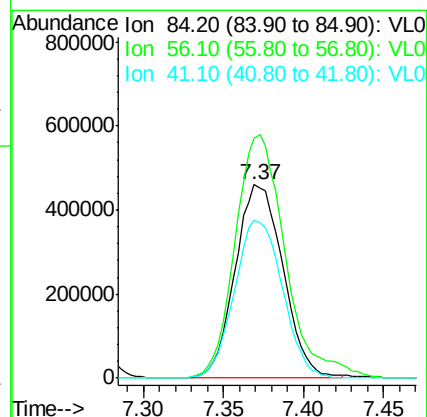
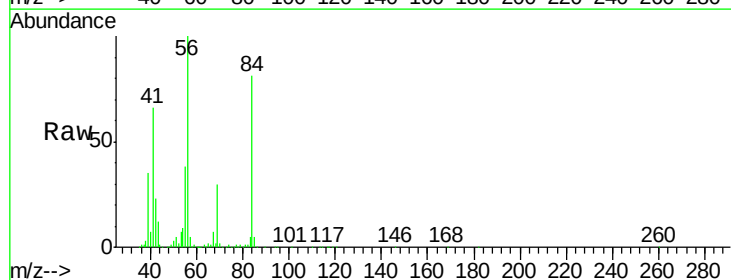
Tgt Ion: 84 Resp: 939816

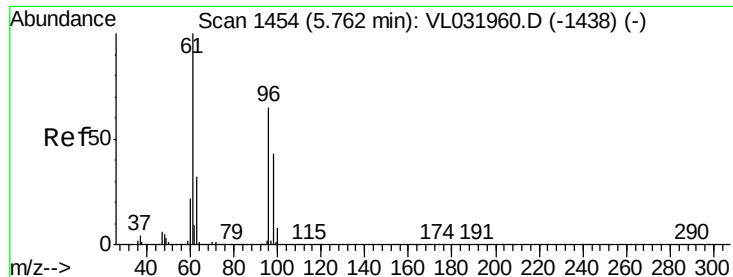
Ion Ratio Lower Upper

84 100

56 132.3 108.0 162.0

41 82.4 66.8 100.2





#31

cis-1,2-Dichloroethene

Concen: 9.63 ppbv

RT: 5.76 min Scan# 1452

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

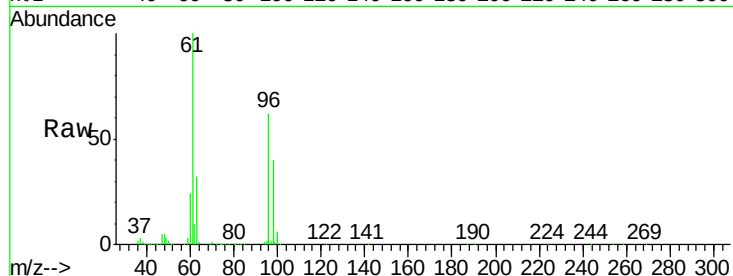
Tgt Ion: 61 Resp: 1253879

Ion Ratio Lower Upper

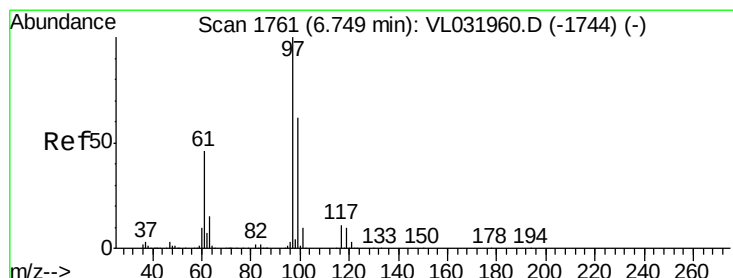
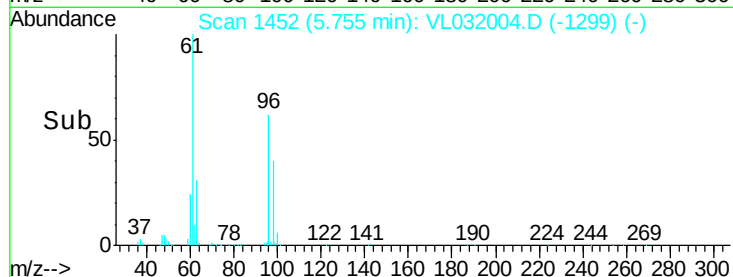
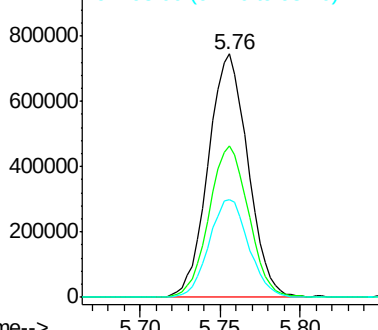
61 100

96 62.2 51.8 77.6

98 40.3 34.2 51.4



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: 8.60 ppbv

RT: 6.74 min Scan# 1758

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

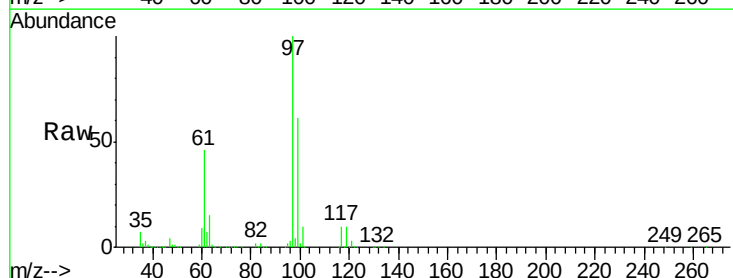
Tgt Ion: 97 Resp: 1785387

Ion Ratio Lower Upper

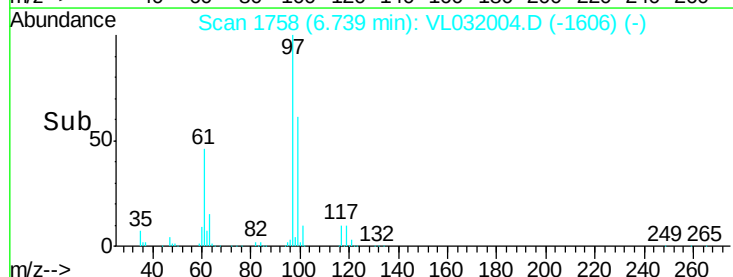
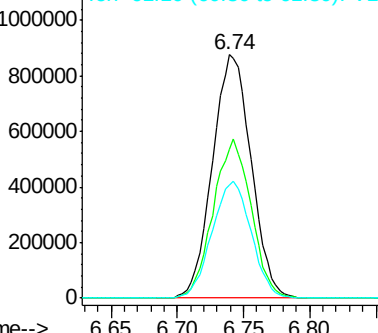
97 100

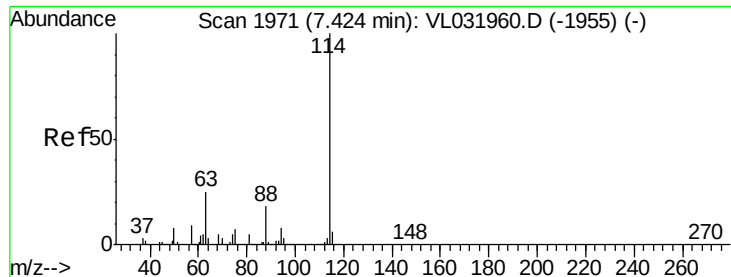
99 64.0 51.0 76.6

61 48.6 38.1 57.1



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

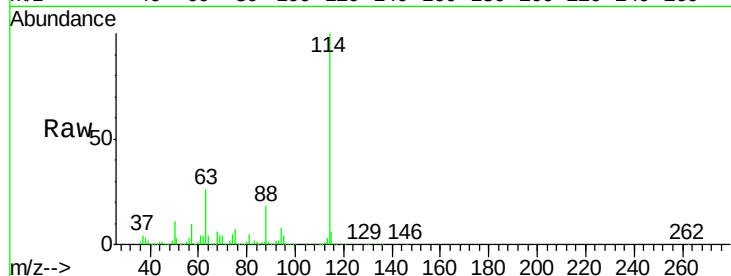




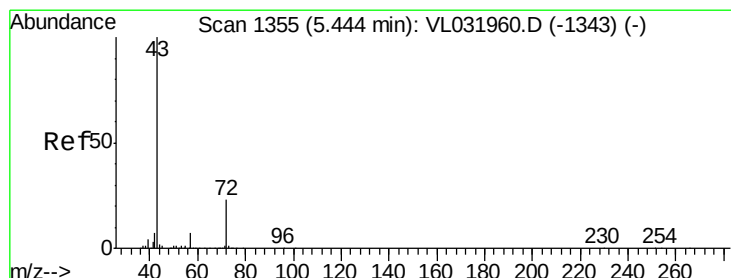
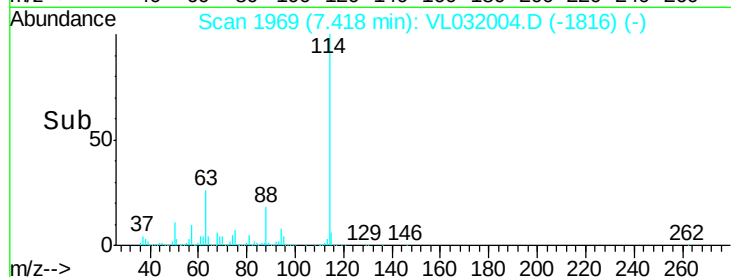
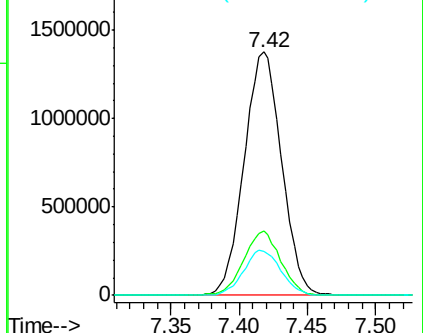
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.42 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 2627261
 Ion Ratio Lower Upper
 114 100
 63 26.3 20.8 31.2
 88 18.3 14.6 21.8

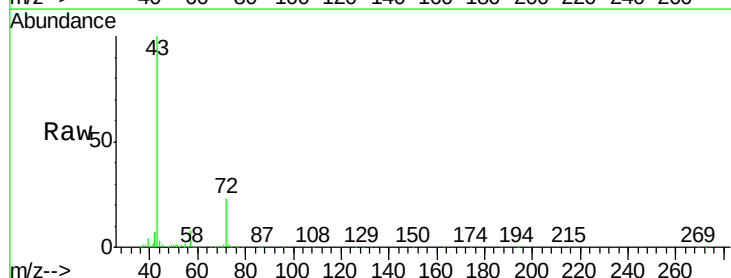


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

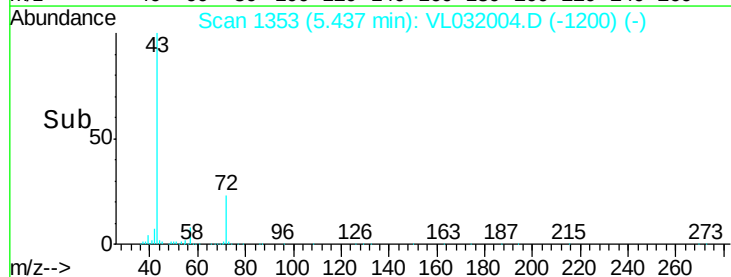
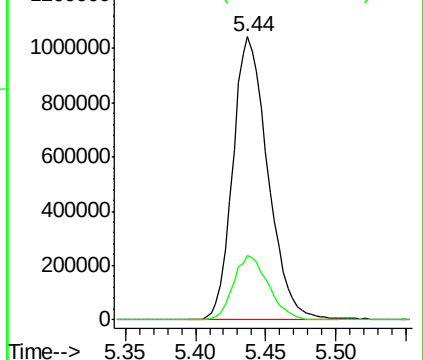


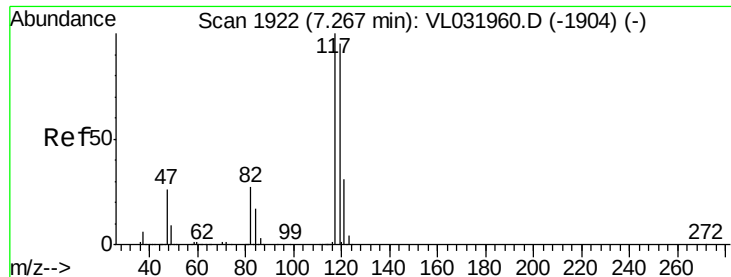
#34
 2-Butanone
 Concen: 8.34 ppbv
 RT: 5.44 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 43 Resp: 1806888
 Ion Ratio Lower Upper
 43 100
 72 22.9 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.24 ppbv

RT: 7.26 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

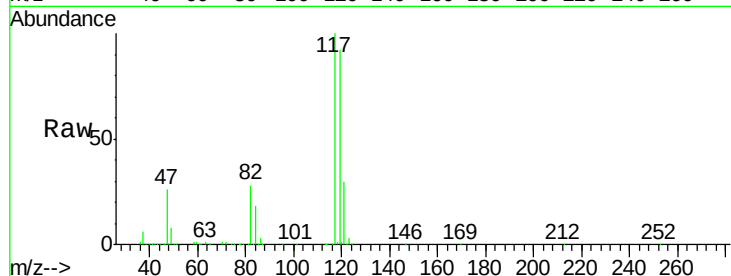
Tgt Ion:117 Resp: 1924844

Ion Ratio Lower Upper

117 100

119 91.8 76.4 114.6

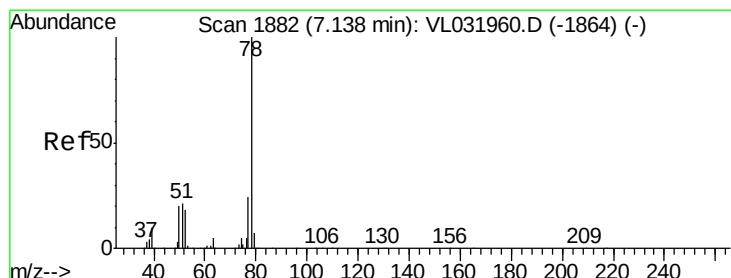
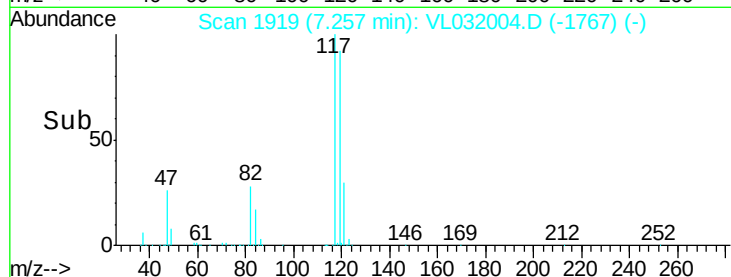
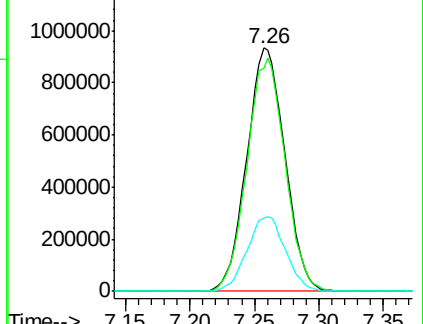
121 29.9 24.4 36.6



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: 8.73 ppbv

RT: 7.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

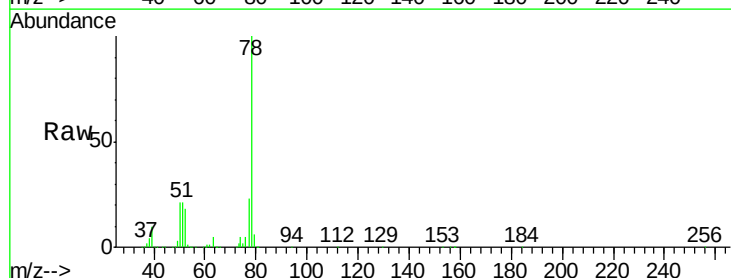
Tgt Ion: 78 Resp: 2160268

Ion Ratio Lower Upper

78 100

77 22.7 19.2 28.8

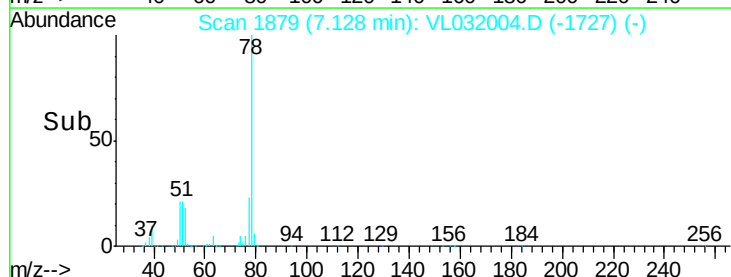
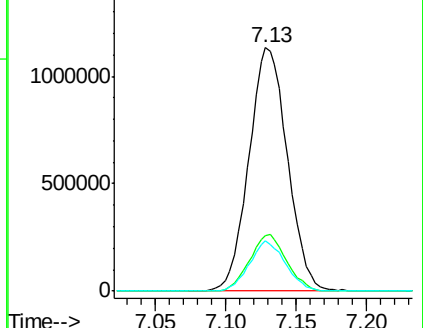
50 20.8 16.2 24.4

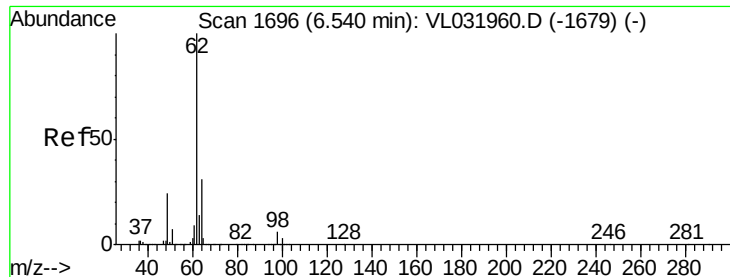


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

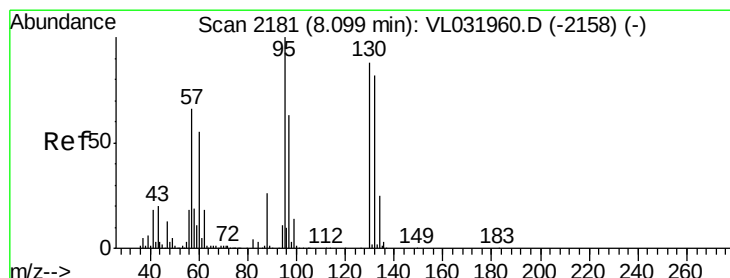
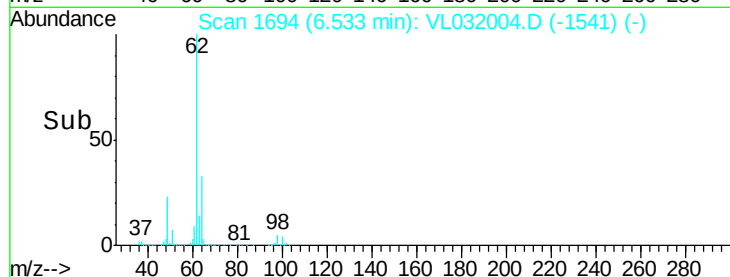
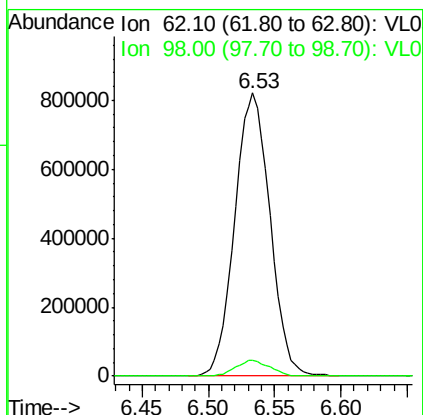
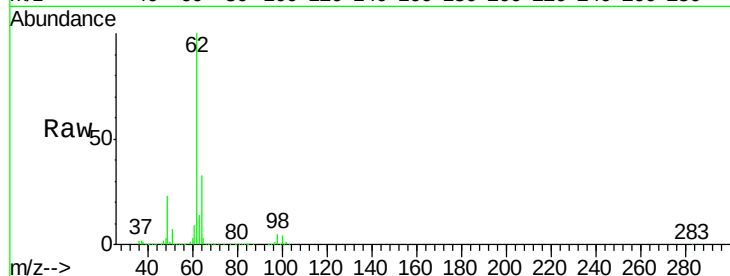




#37
 1,2-Dichloroethane
 Concen: 8.54 ppbv
 RT: 6.53 min Scan# 1694
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

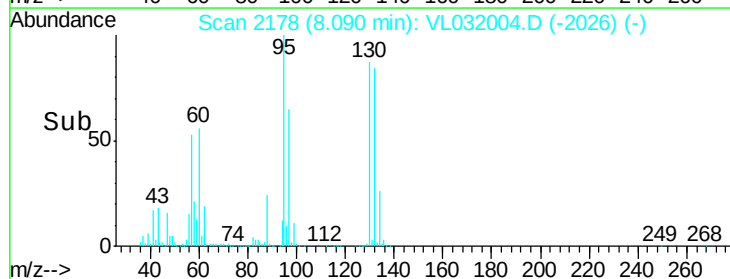
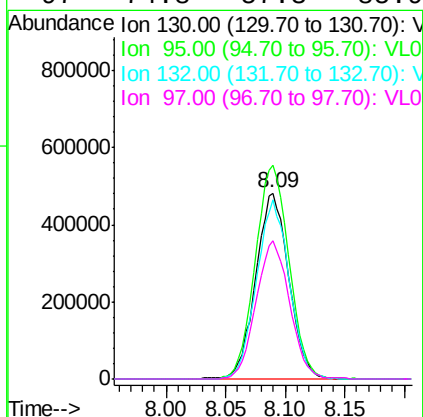
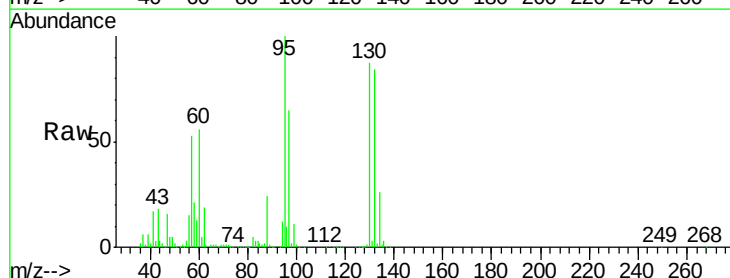
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

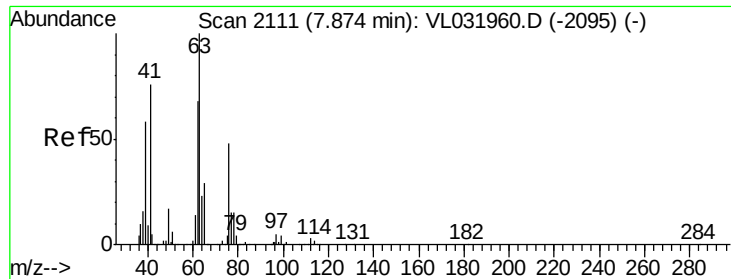
Tgt Ion: 62 Resp: 1519626
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.6 6.8



#38
 Trichloroethene
 Concen: 9.85 ppbv
 RT: 8.09 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 130 Resp: 925701
 Ion Ratio Lower Upper
 130 100
 95 115.1 90.7 136.1
 132 96.9 74.3 111.5
 97 74.8 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.48 ppbv

RT: 7.86 min Scan# 2108

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

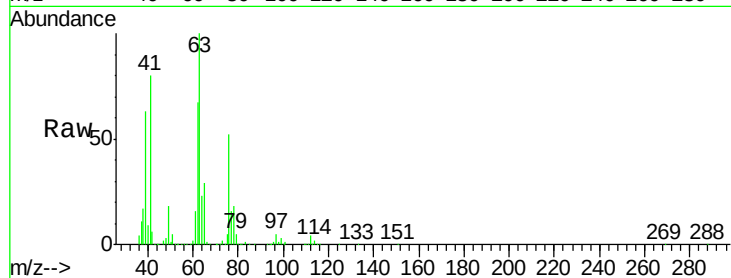
Tgt Ion: 63 Resp: 816439

Ion Ratio Lower Upper

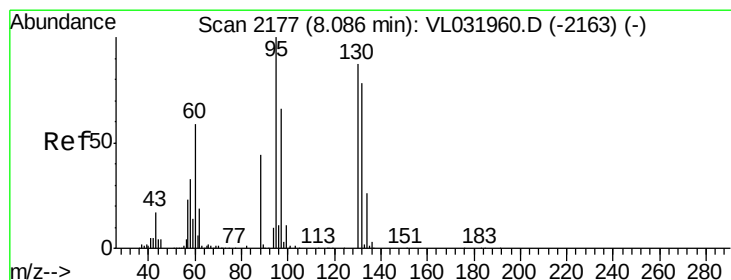
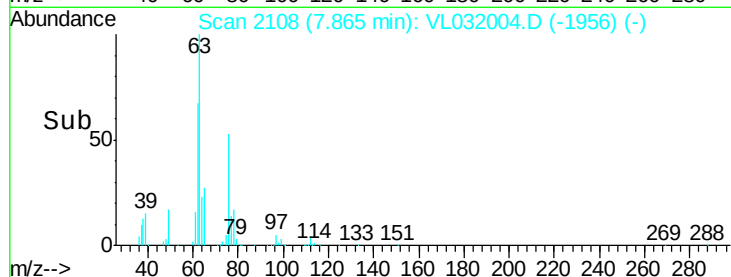
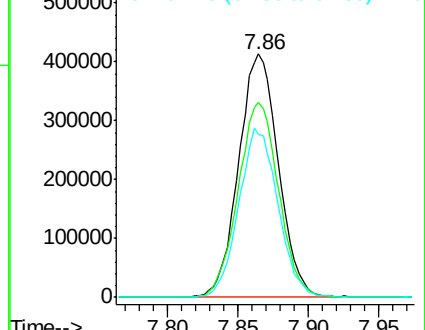
63 100

41 80.1 60.7 91.1

62 66.6 54.7 82.1



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 9.53 ppbv

RT: 8.08 min Scan# 2175

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tgt Ion: 88 Resp: 369996

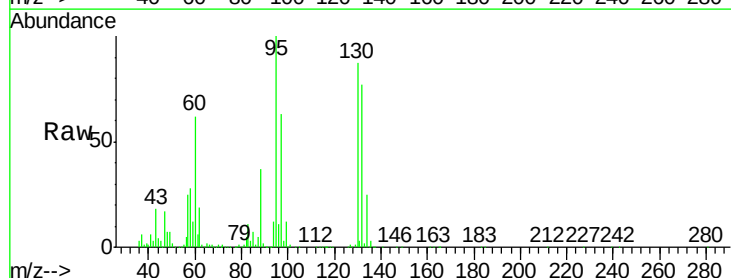
Ion Ratio Lower Upper

88 100

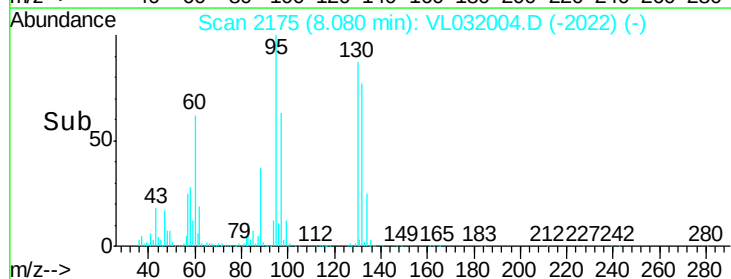
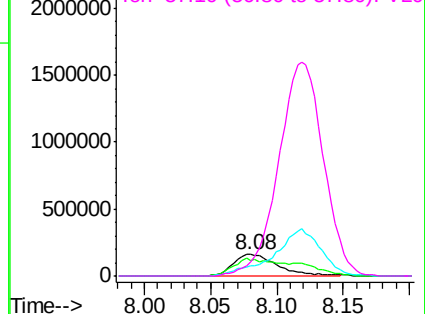
58 123.3 94.9 142.3

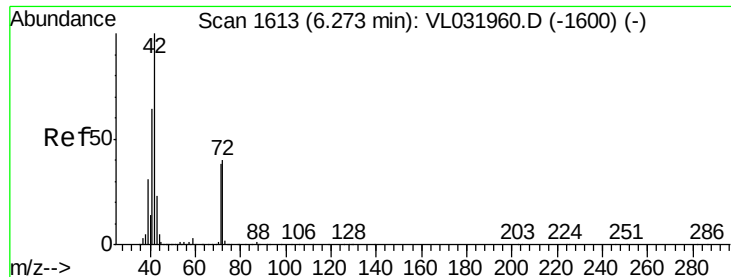
43 234.5 188.2 282.2

57 1019.5 819.6 1229.4



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





#41

Tetrahydrofuran

Concen: 8.54 ppbv

RT: 6.26 min Scan# 1610

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

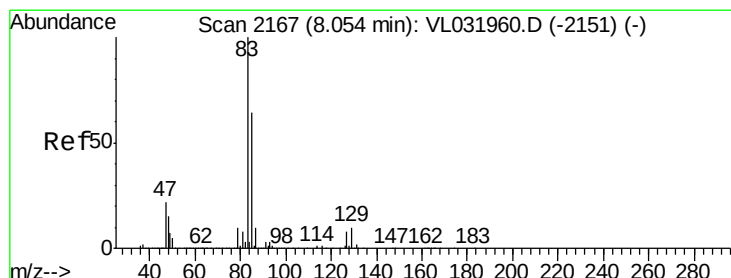
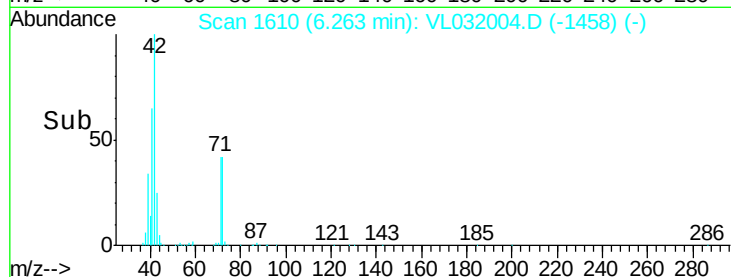
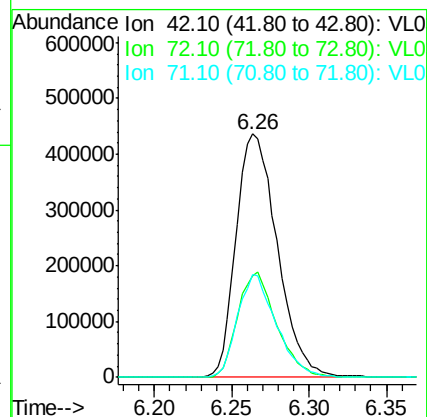
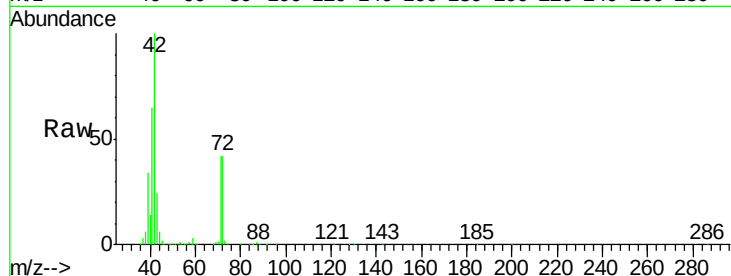
Tgt Ion: 42 Resp: 806476

Ion Ratio Lower Upper

42 100

72 40.9 32.3 48.5

71 39.8 31.4 47.2



#42

Bromodichloromethane

Concen: 9.72 ppbv

RT: 8.04 min Scan# 2164

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

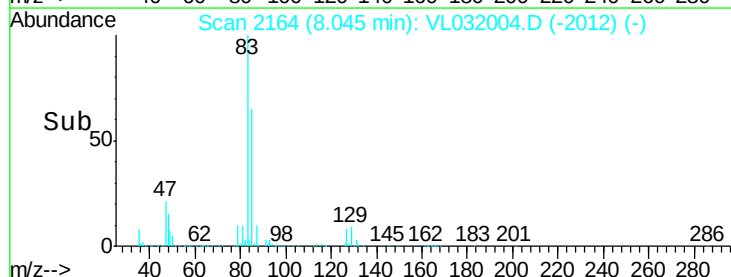
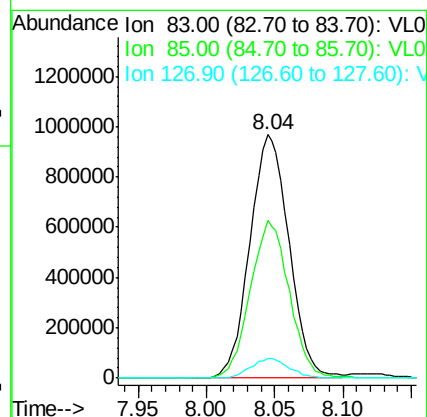
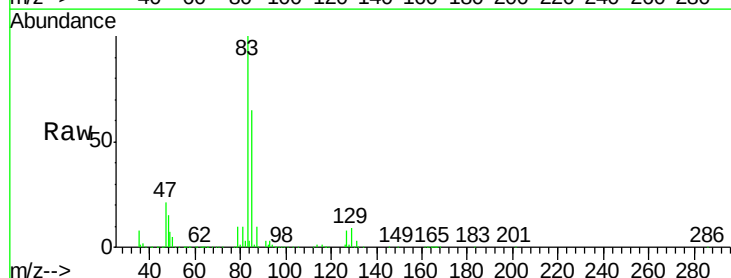
Tgt Ion: 83 Resp: 1927865

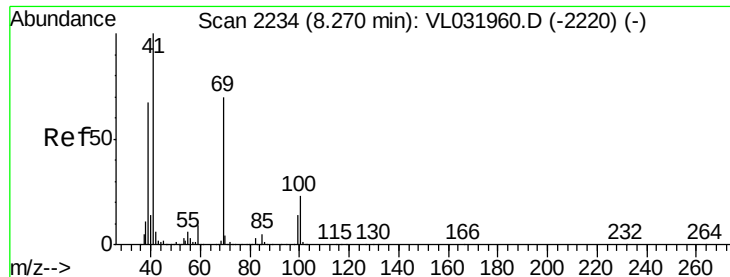
Ion Ratio Lower Upper

83 100

85 64.6 51.0 76.6

127 8.0 6.7 10.1



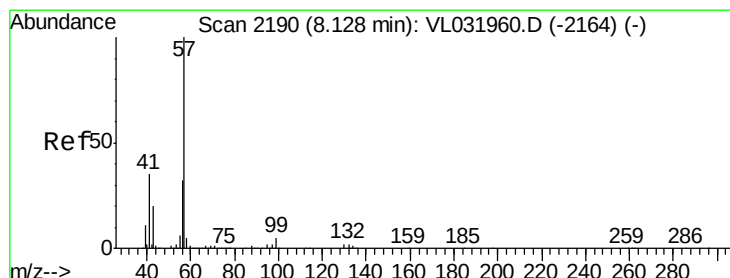
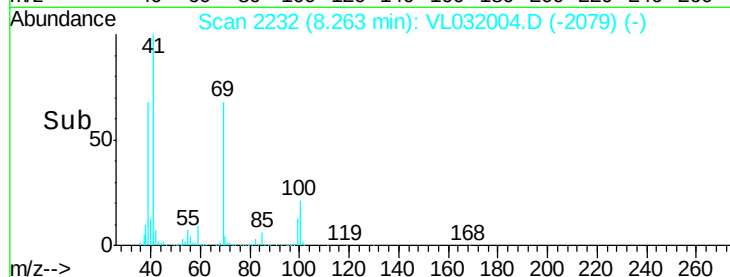
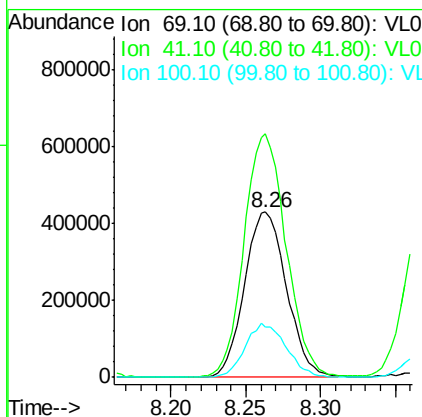
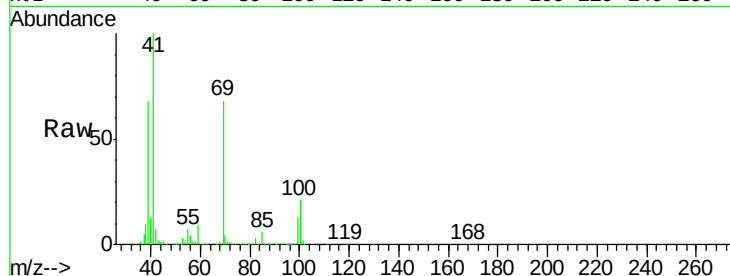


#43
Methyl Methacrylate
Concen: 10.05 ppbv
RT: 8.26 min Scan# 2232
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 838059

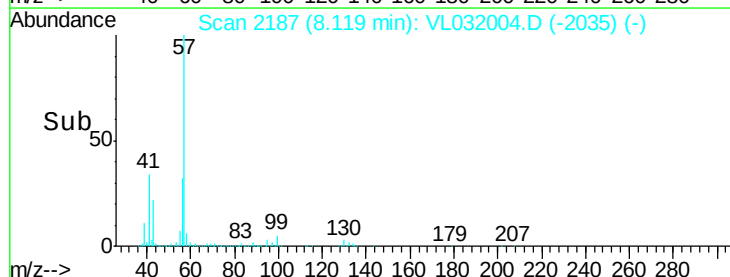
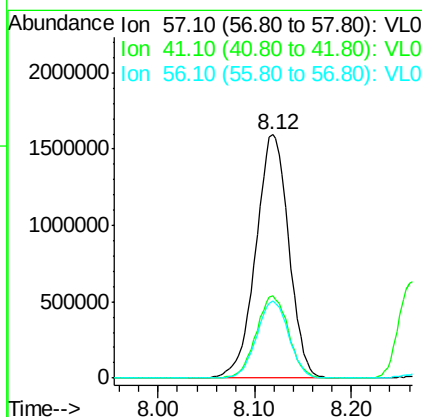
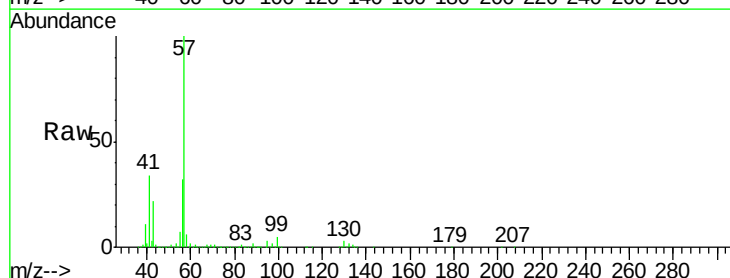
Ion	Ratio	Lower	Upper
69	100		
41	147.2	119.4	179.2
100	31.9	26.0	39.0

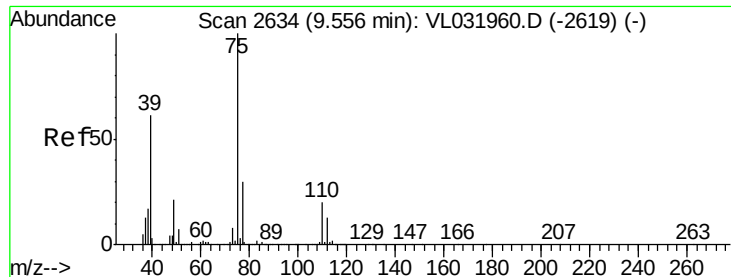


#44
2,2,4-Trimethylpentane
Concen: 9.44 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion: 57 Resp: 3767164

Ion	Ratio	Lower	Upper
57	100		
41	33.2	26.6	39.8
56	30.9	24.4	36.6





#45

t-1,3-Dichloropropene

Concen: 11.17 ppbv

RT: 9.55 min Scan# 2631

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

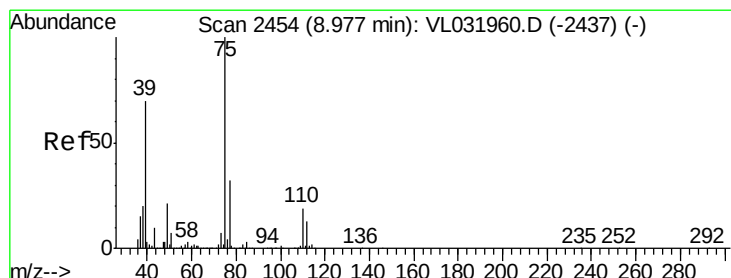
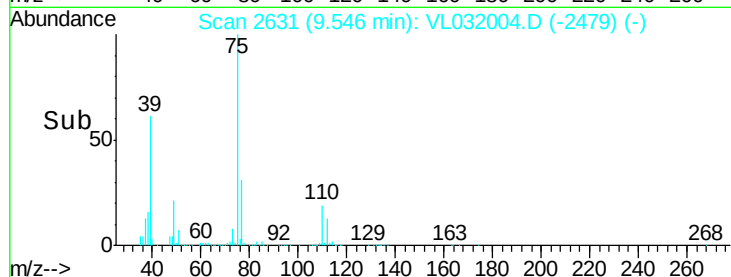
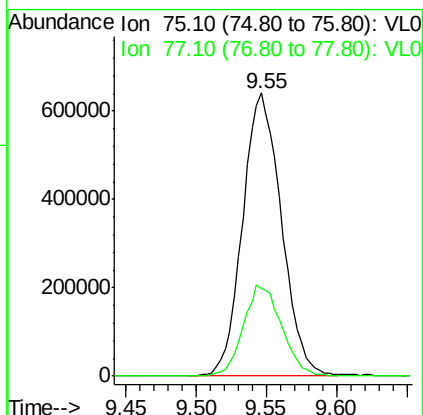
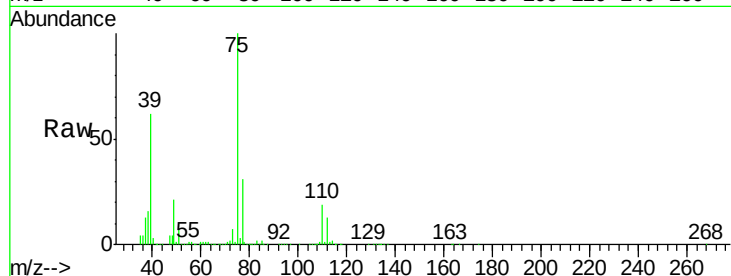
VSTDCCC010

Tgt Ion: 75 Resp: 1234419

Ion Ratio Lower Upper

75 100

77 31.0 24.4 36.6



#46

cis-1,3-Dichloropropene

Concen: 10.97 ppbv

RT: 8.97 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

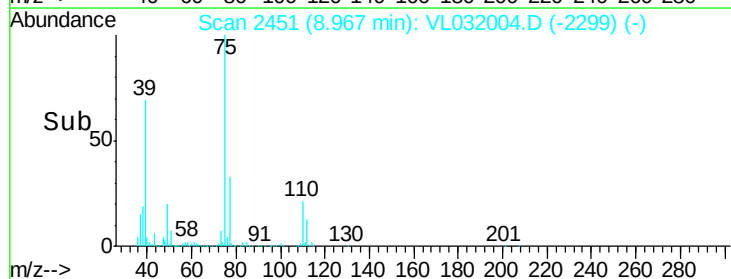
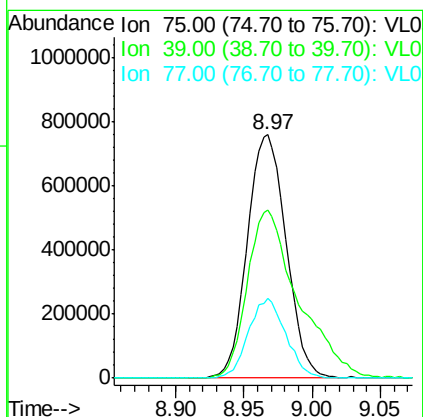
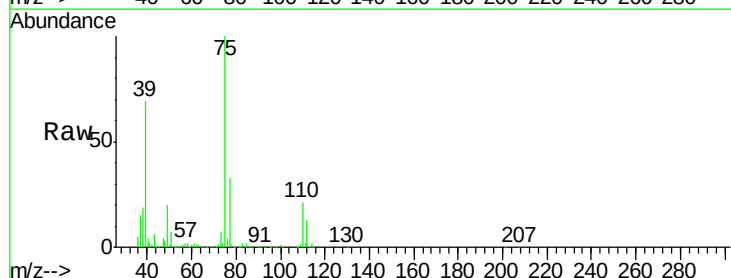
Tgt Ion: 75 Resp: 1497805

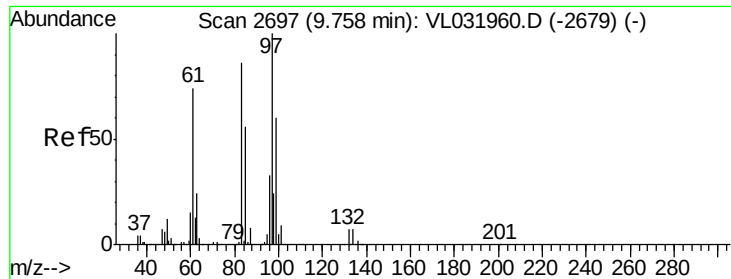
Ion Ratio Lower Upper

75 100

39 69.2 55.7 83.5

77 32.8 25.9 38.9

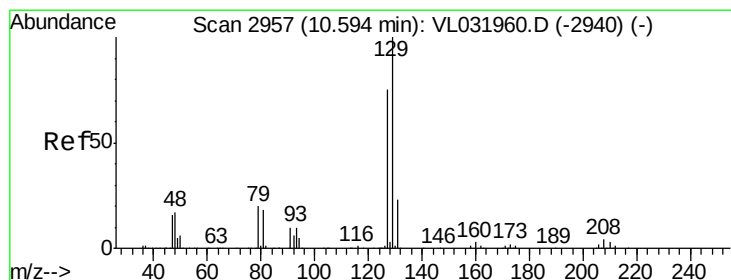
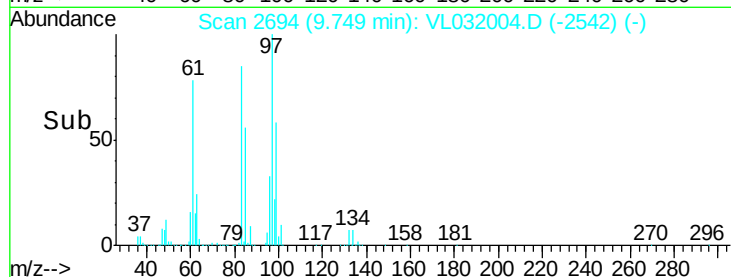
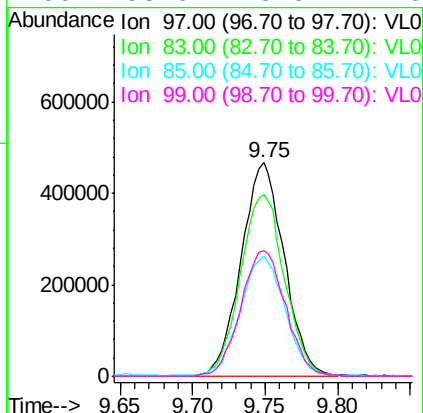
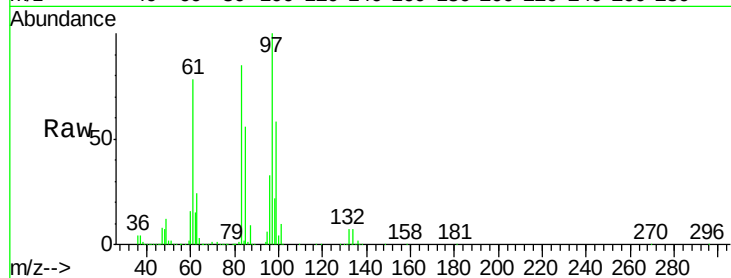




#47
 1,1,2-Trichloroethane
 Concen: 9.40 ppbv
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

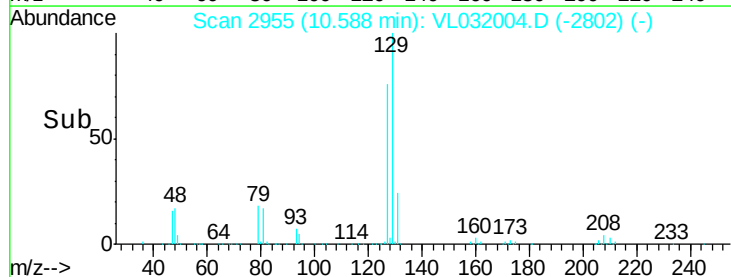
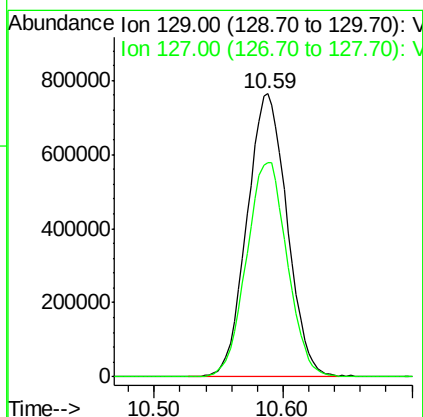
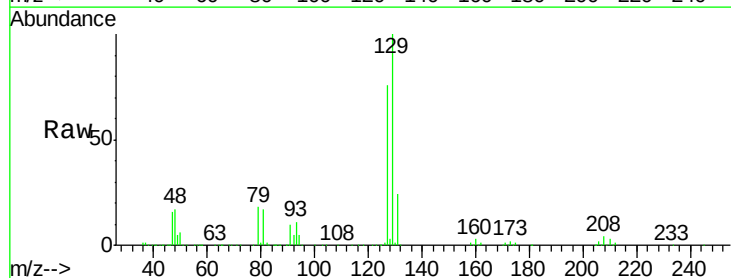
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

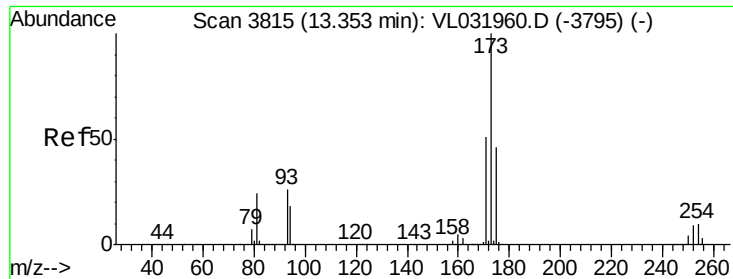
Tgt Ion:	97	Resp:	958263
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.0	103.4
85	55.8	45.0	67.6
99	58.6	48.0	72.0



#48
 Dibromochloromethane
 Concen: 10.10 ppbv
 RT: 10.59 min Scan# 2955
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion:	129	Resp:	1651696
Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.2





#49

Bromoform

Concen: 9.96 ppbv

RT: 13.34 min Scan# 3811

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

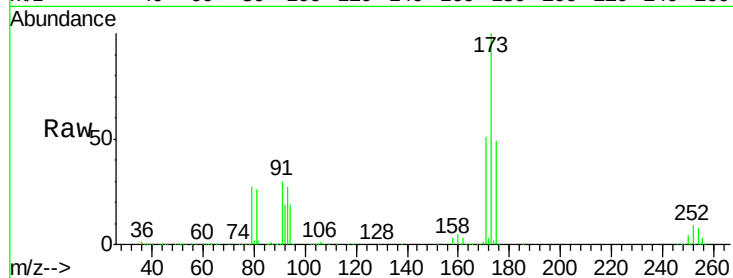
Tgt Ion:173 Resp: 1263026

Ion Ratio Lower Upper

173 100

175 48.9 39.2 58.8

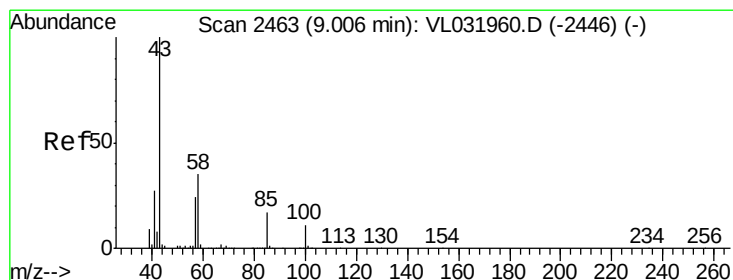
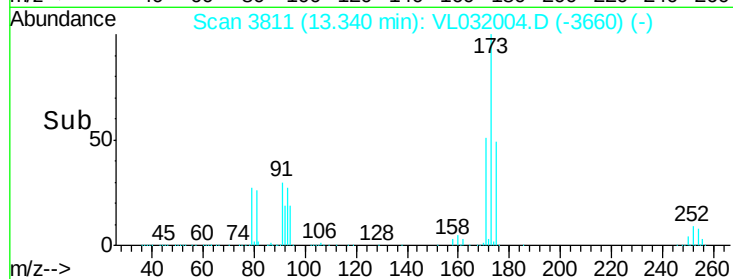
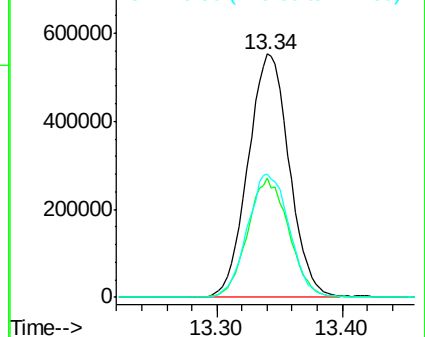
171 52.0 41.5 62.3



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: 9.86 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VL032004.D

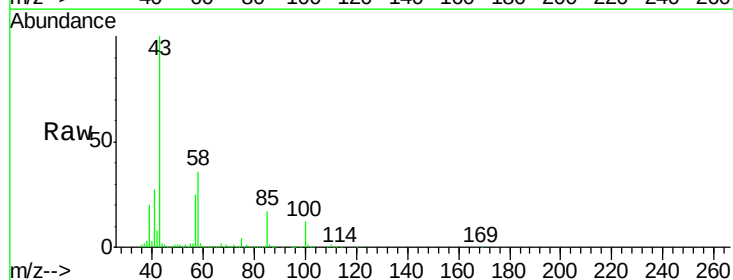
Acq: 16 May 2018 15:00

Tgt Ion: 43 Resp: 2018465

Ion Ratio Lower Upper

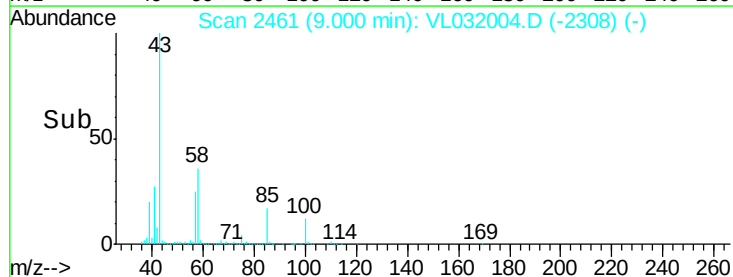
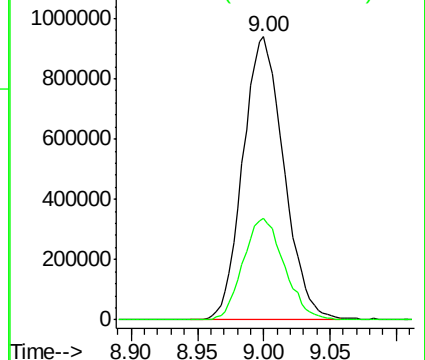
43 100

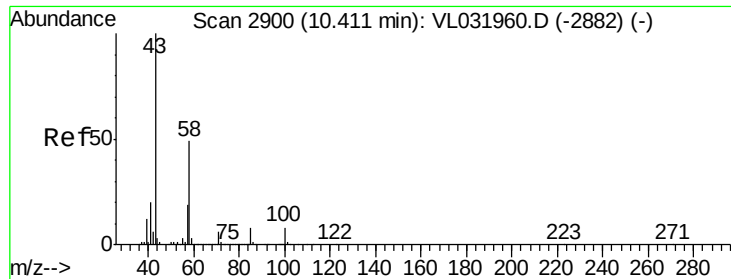
58 36.2 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.40 ppbv

RT: 10.40 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

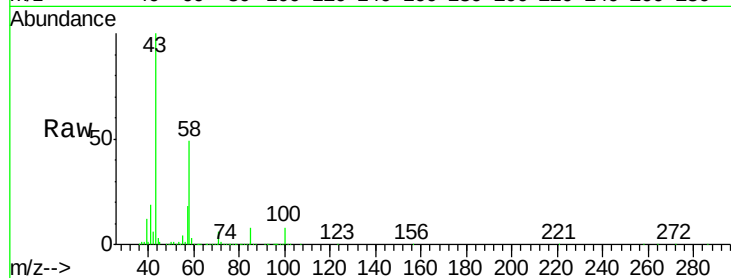
Tgt Ion: 43 Resp: 1939012

Ion Ratio Lower Upper

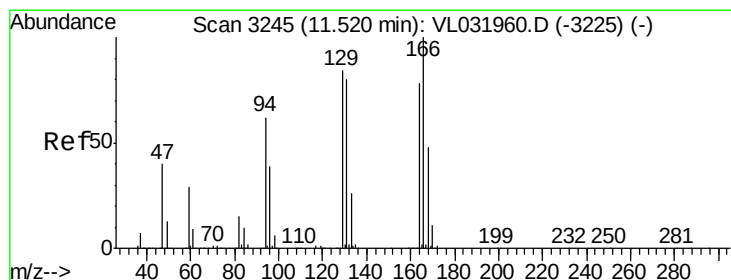
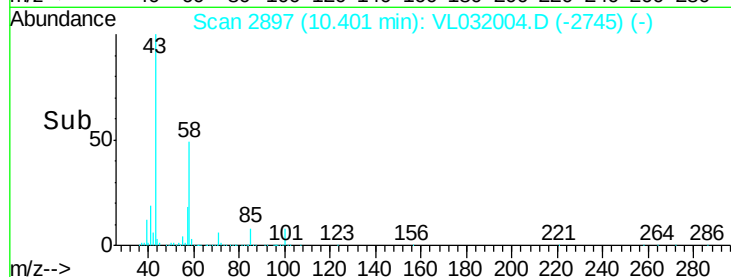
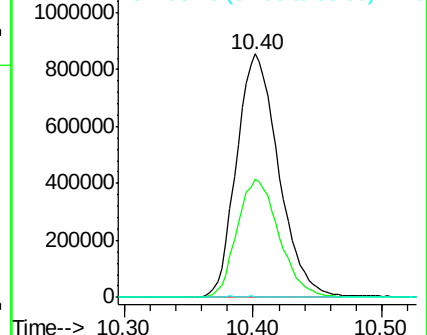
43 100

58 48.5 38.6 58.0

98 0.5 0.2 0.2#



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: 9.44 ppbv

RT: 11.51 min Scan# 3241

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tgt Ion: 164 Resp: 865231

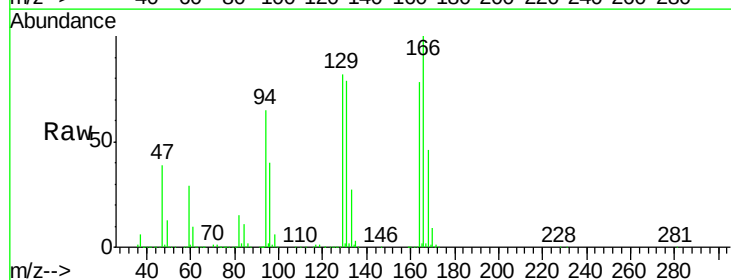
Ion Ratio Lower Upper

164 100

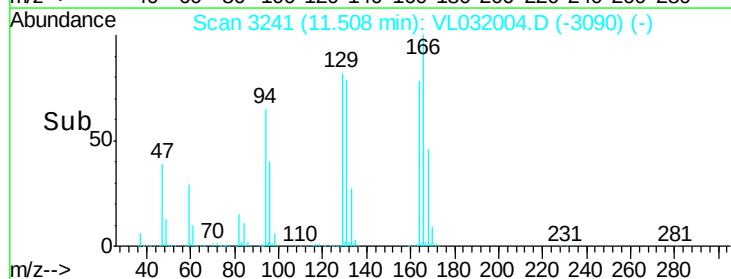
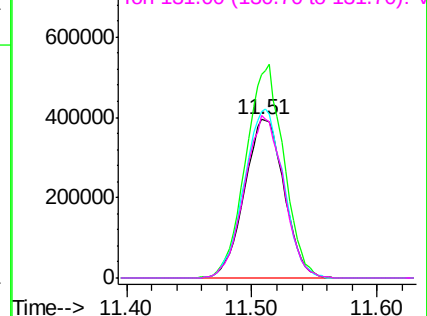
166 128.7 101.9 152.9

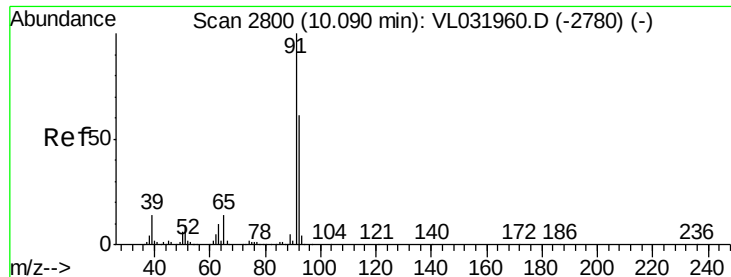
129 104.9 85.8 128.6

131 102.4 81.6 122.4



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: 10.22 ppbv

RT: 10.08 min Scan# 2797

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

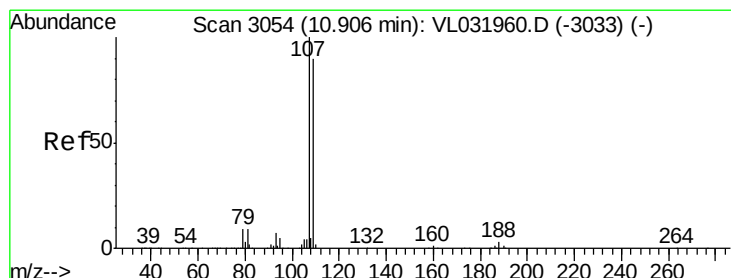
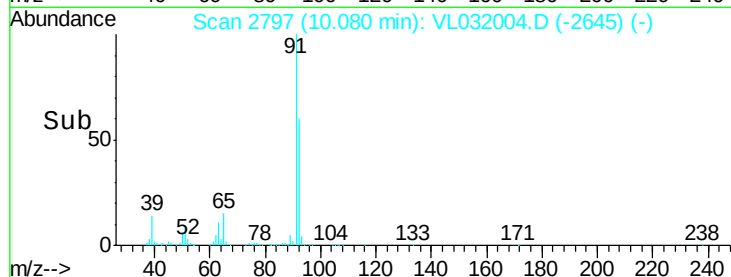
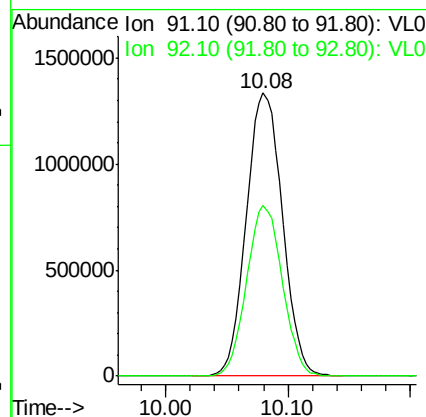
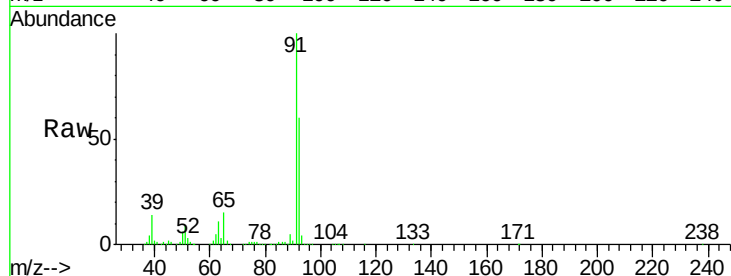
VSTDCCC010

Tgt Ion: 91 Resp: 2727100

Ion Ratio Lower Upper

91 100

92 59.5 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.65 ppbv

RT: 10.90 min Scan# 3051

Delta R.T. -0.01 min

Lab File: VL032004.D

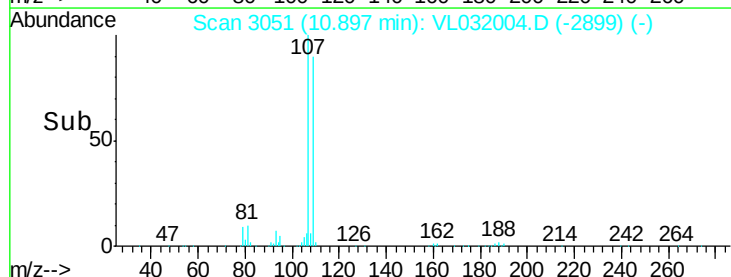
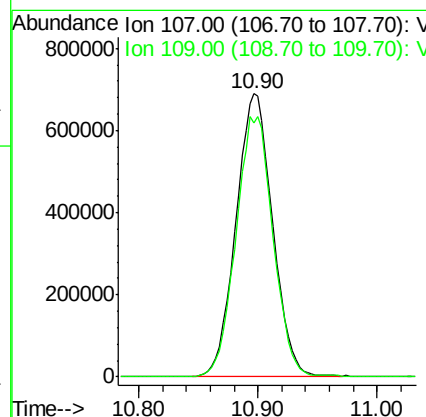
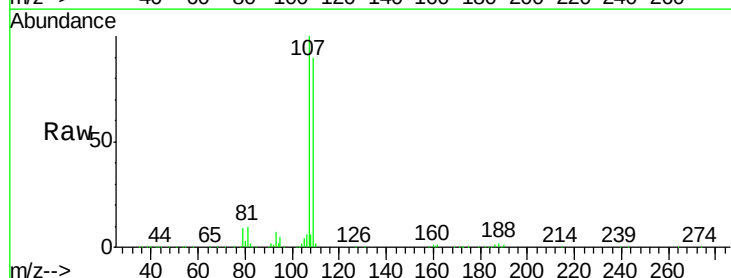
Acq: 16 May 2018 15:00

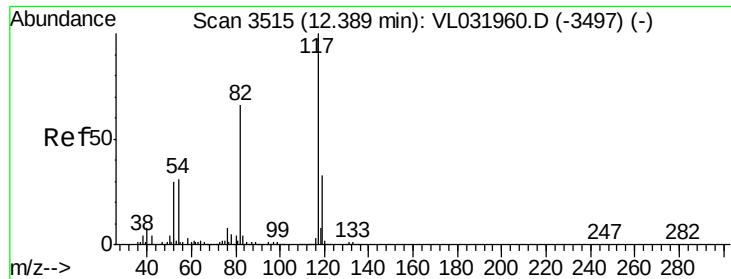
Tgt Ion: 107 Resp: 1465074

Ion Ratio Lower Upper

107 100

109 89.6 72.1 108.1





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.38 min Scan# 3511

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

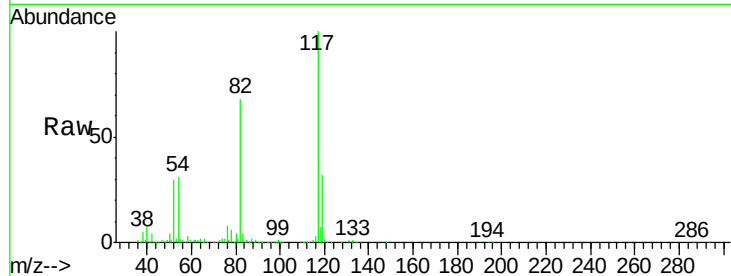
Tgt Ion:117 Resp: 3223355

Ion Ratio Lower Upper

117 100

82 54.7 51.6 77.4

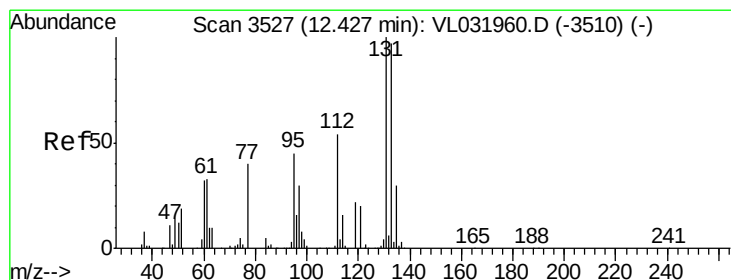
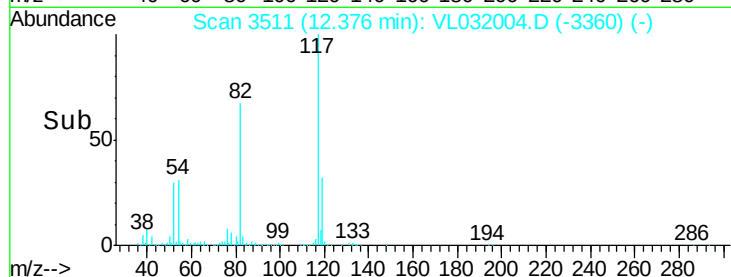
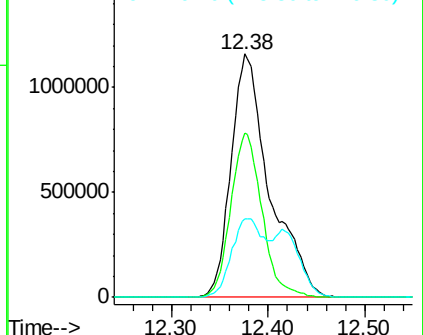
119 46.4 44.2 66.4



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: 7.67 ppbv

RT: 12.41 min Scan# 3523

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

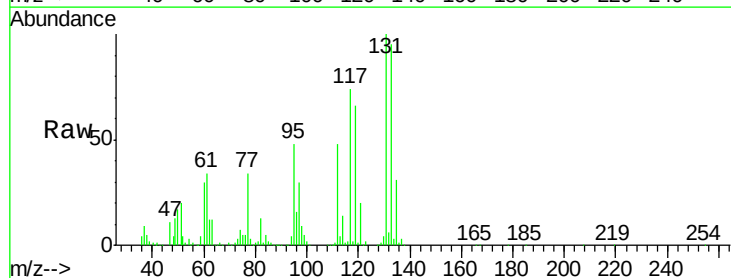
Tgt Ion:131 Resp: 1126448

Ion Ratio Lower Upper

131 100

133 94.6 76.2 114.4

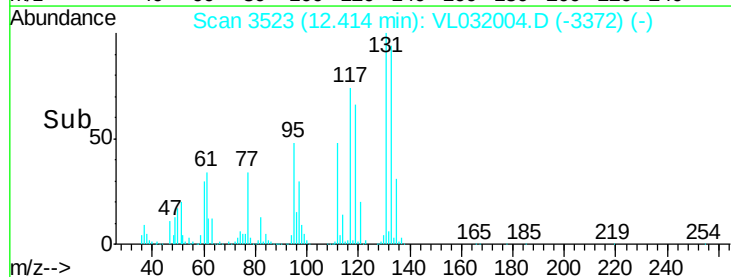
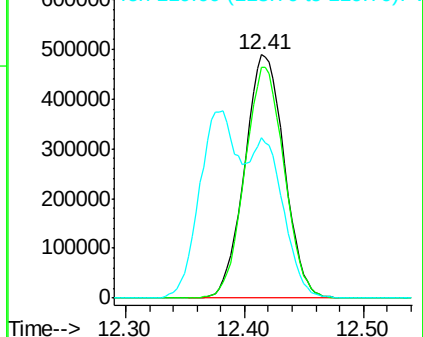
119 132.9 44.7 67.1#

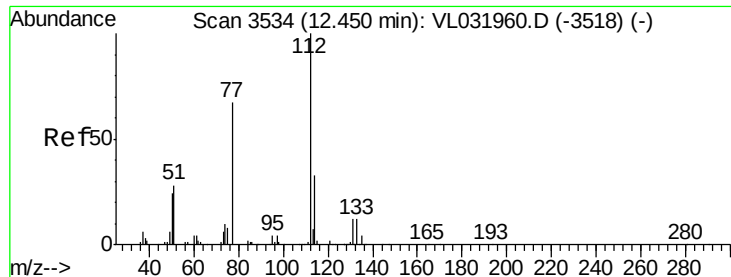


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

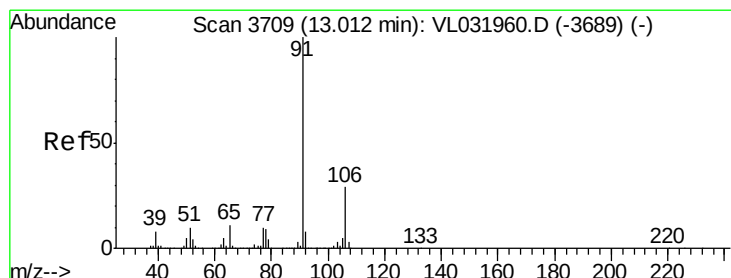
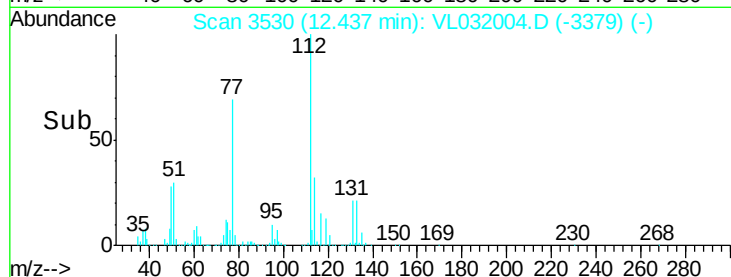
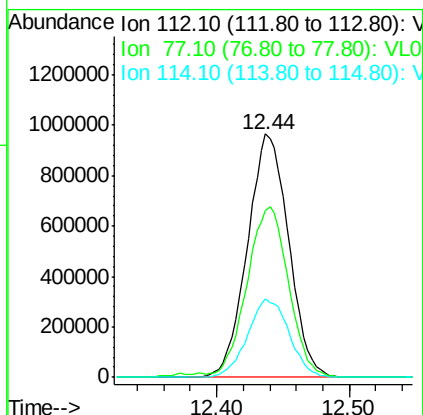
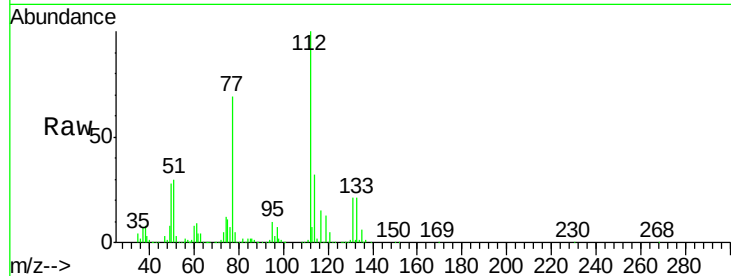




#57
Chlorobenzene
Concen: 7.53 ppbv
RT: 12.44 min Scan# 3530
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

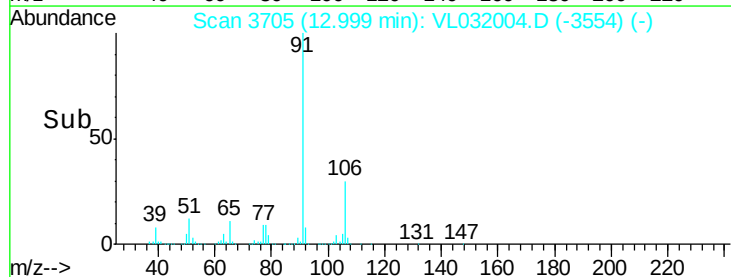
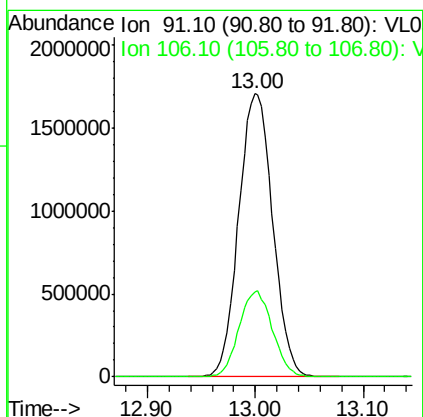
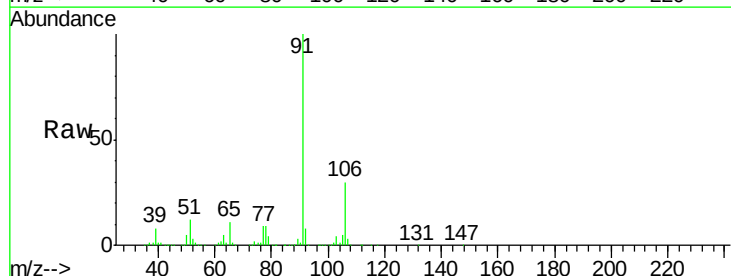
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

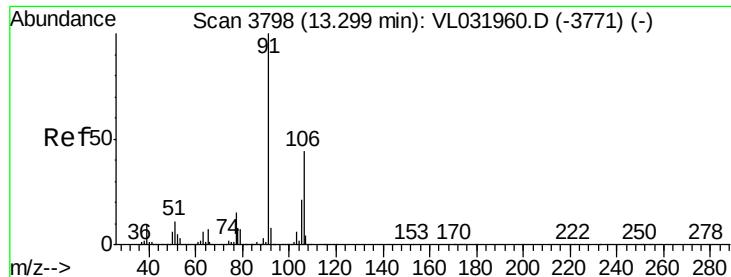
Tgt Ion: 112 Resp: 2093141
Ion Ratio Lower Upper
112 100
77 68.3 54.6 82.0
114 32.2 29.2 35.6



#58
Ethyl Benzene
Concen: 8.10 ppbv
RT: 13.00 min Scan# 3705
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion: 91 Resp: 3739340
Ion Ratio Lower Upper
91 100
106 29.9 23.4 35.2

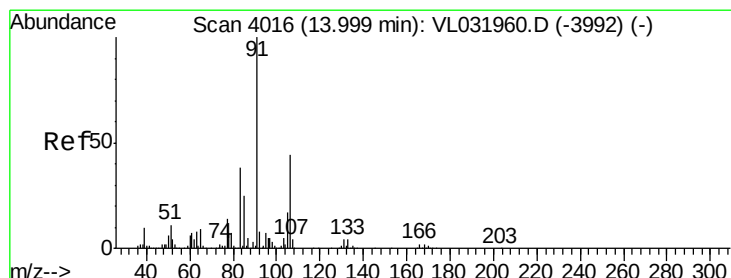
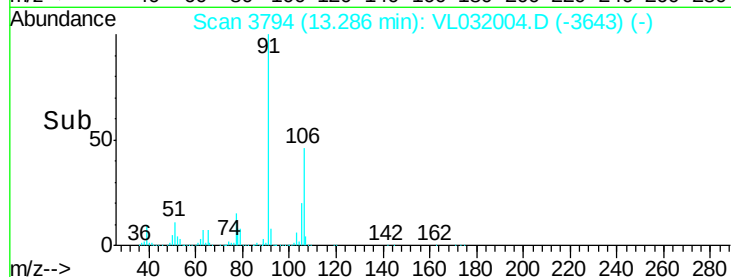
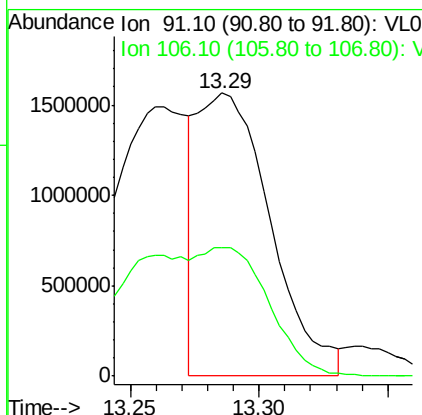
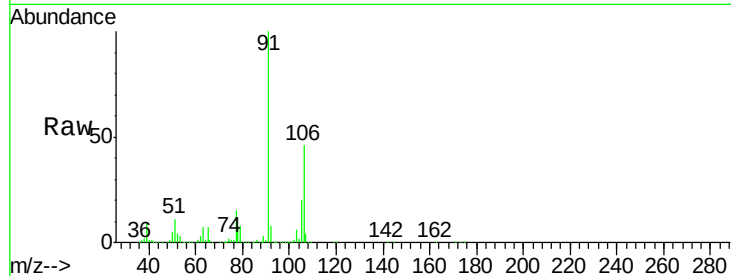




#59
m/p-Xylene
Concen: 7.81 ppbv
RT: 13.29 min Scan# 3794
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

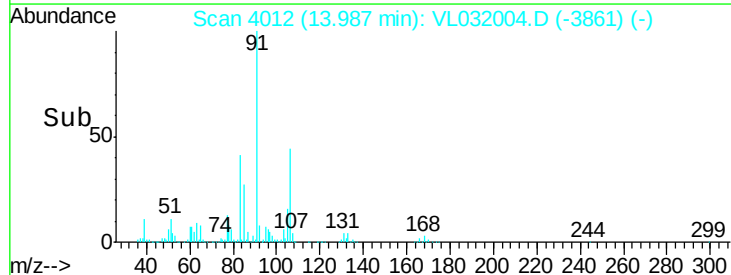
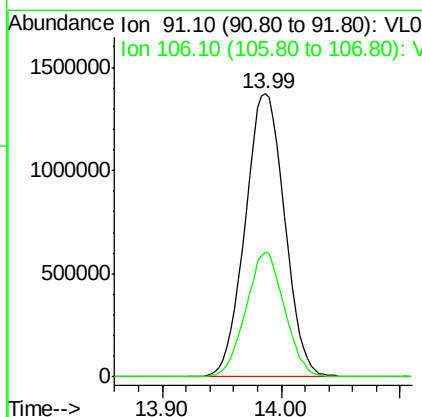
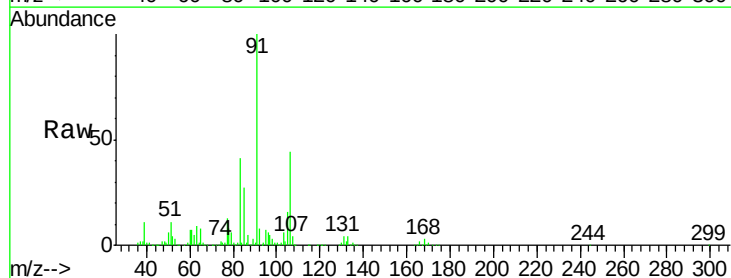
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

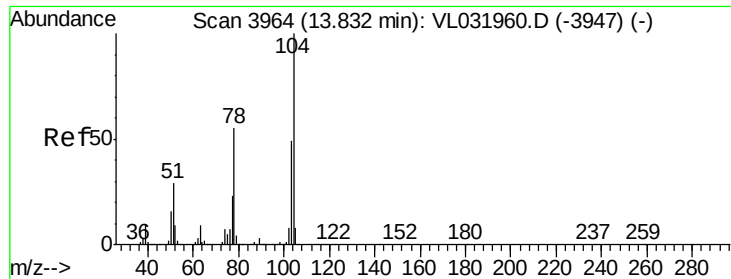
Tgt Ion: 91 Resp: 3059071
Ion Ratio Lower Upper
91 100
106 90.5 35.9 53.9#



#60
o-Xylene
Concen: 8.01 ppbv
RT: 13.99 min Scan# 4012
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion: 91 Resp: 3147708
Ion Ratio Lower Upper
91 100
106 43.1 21.5 64.5





#61

Styrene

Concen: 9.25 ppbv

RT: 13.82 min Scan# 3960

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

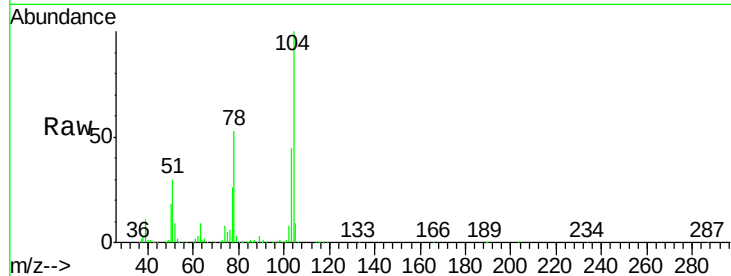
Tgt Ion:104 Resp: 736933

Ion Ratio Lower Upper

104 100

78 55.5 43.8 65.8

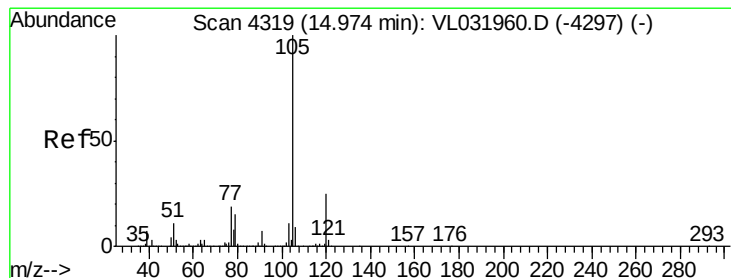
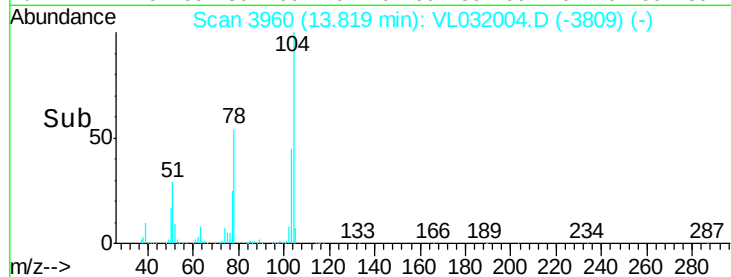
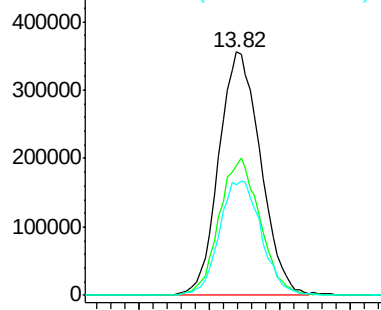
103 47.3 38.4 57.6



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: 7.69 ppbv

RT: 14.96 min Scan# 4316

Delta R.T. -0.01 min

Lab File: VL032004.D

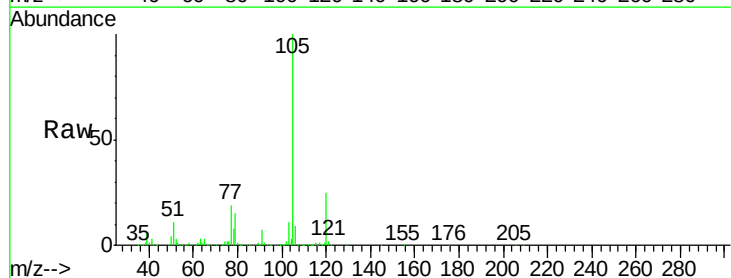
Acq: 16 May 2018 15:00

Tgt Ion:105 Resp: 3860235

Ion Ratio Lower Upper

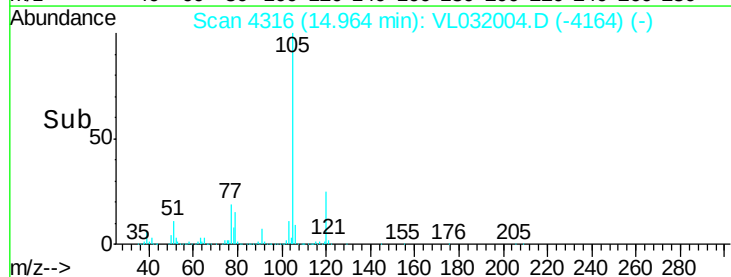
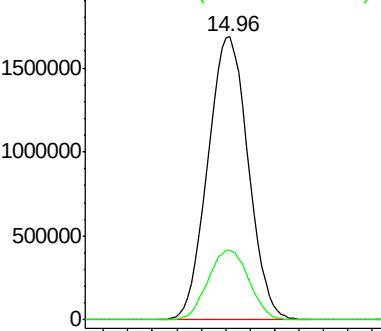
105 100

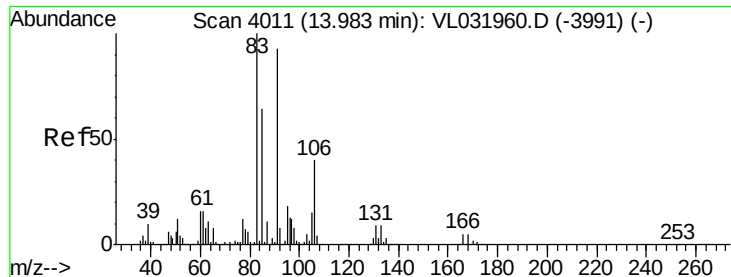
120 25.1 19.9 29.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

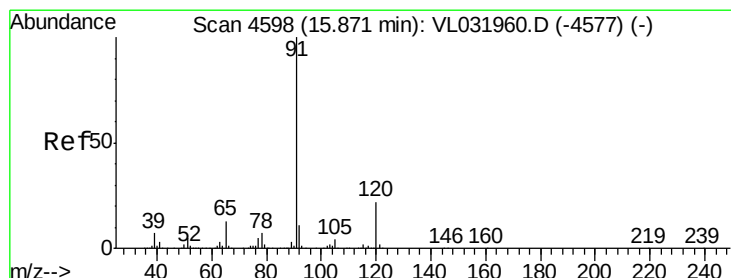
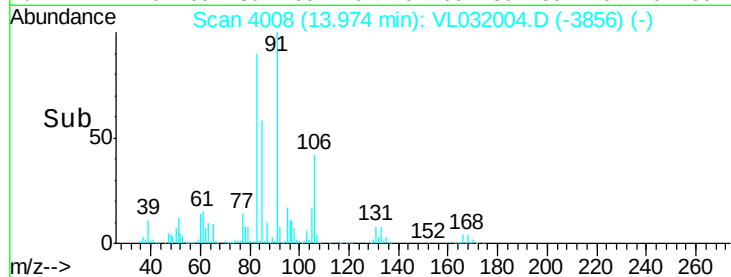
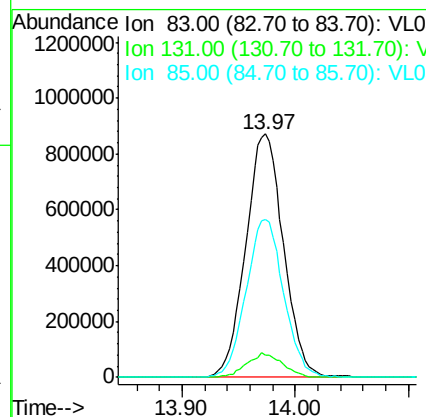
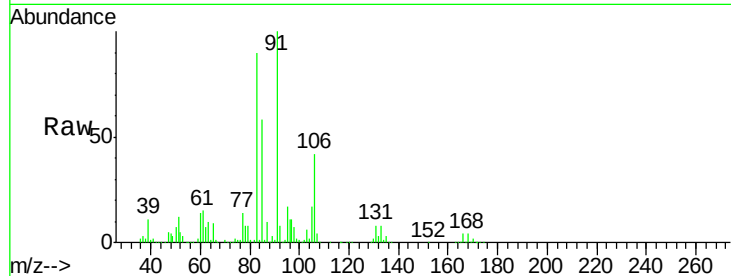




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.23 ppbv
 RT: 13.97 min Scan# 4008
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

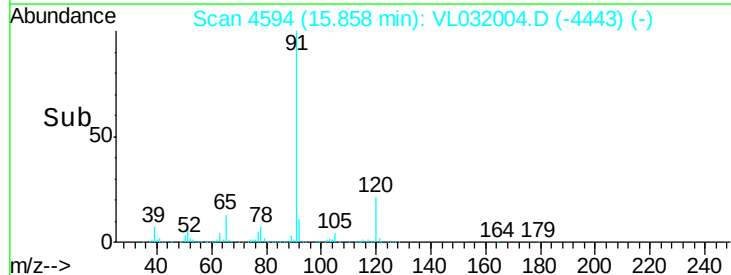
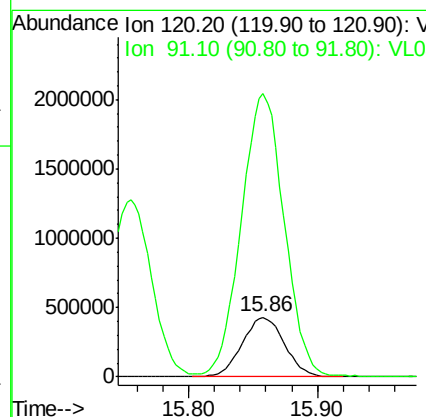
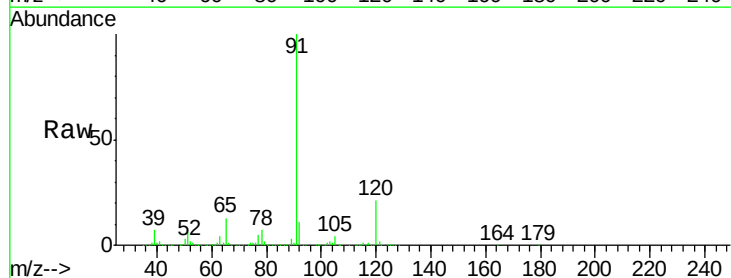
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

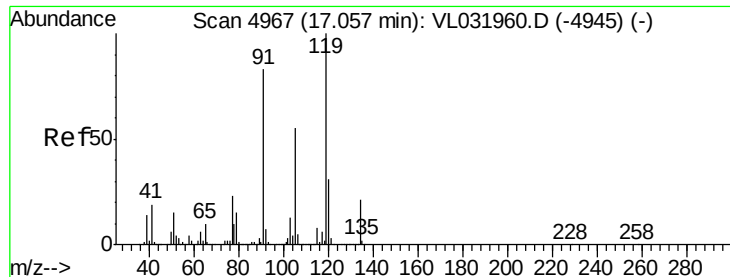
Tgt Ion: 83 Resp: 2018317
 Ion Ratio Lower Upper
 83 100
 131 9.6 4.9 14.7
 85 64.8 32.7 98.1



#64
 n-propylbenzene
 Concen: 7.80 ppbv
 RT: 15.86 min Scan# 4594
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 120 Resp: 982943
 Ion Ratio Lower Upper
 120 100
 91 481.8 388.6 583.0

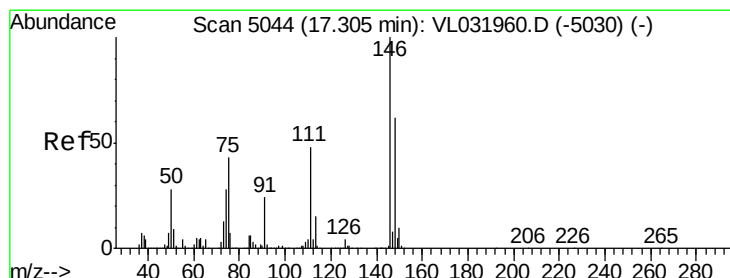
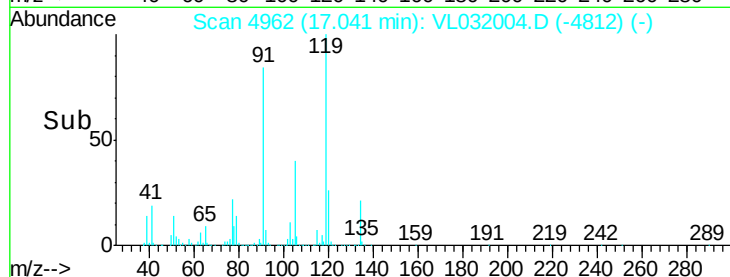
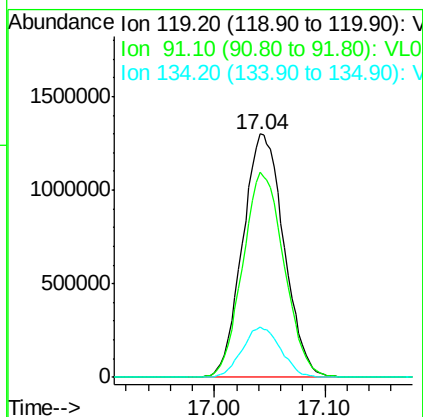
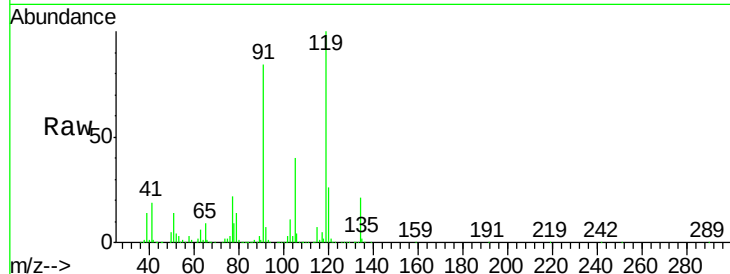




#65
 tert-Butylbenzene
 Concen: 7.51 ppbv
 RT: 17.04 min Scan# 4962
 Delta R.T. -0.02 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

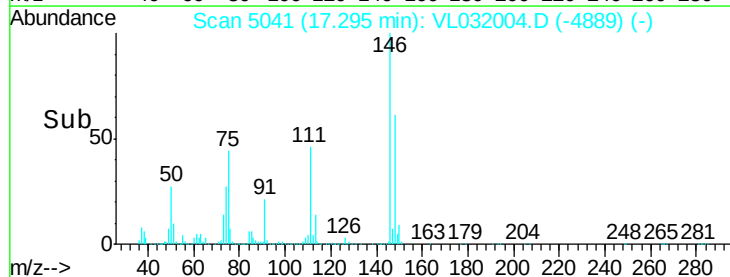
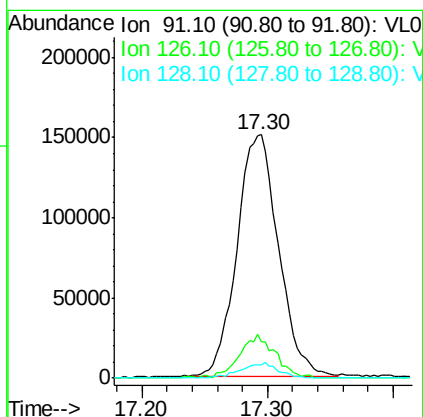
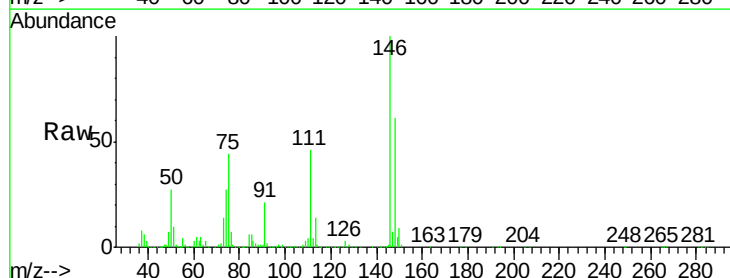
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

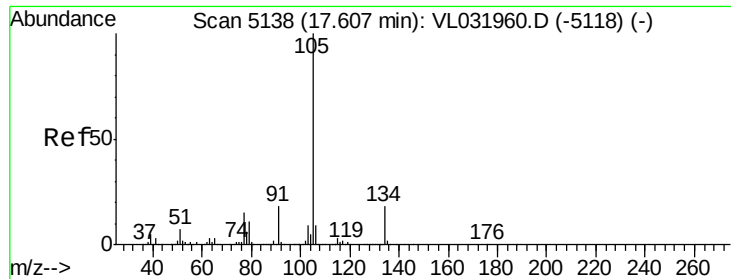
Tgt Ion: 119 Resp: 3365712
 Ion Ratio Lower Upper
 119 100
 91 84.6 68.1 102.1
 134 19.4 15.4 23.0



#66
 Benzyl Chloride
 Concen: 8.52 ppbv
 RT: 17.30 min Scan# 5041
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 91 Resp: 346921
 Ion Ratio Lower Upper
 91 100
 126 15.8 13.4 20.0
 128 5.7 4.6 6.8





#67

sec-Butylbenzene

Concen: 7.66 ppbv

RT: 17.59 min Scan# 5134

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

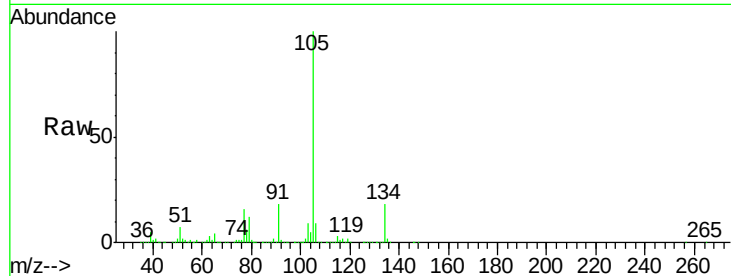
VSTDCCC010

Tgt Ion:105 Resp: 4764044

Ion Ratio Lower Upper

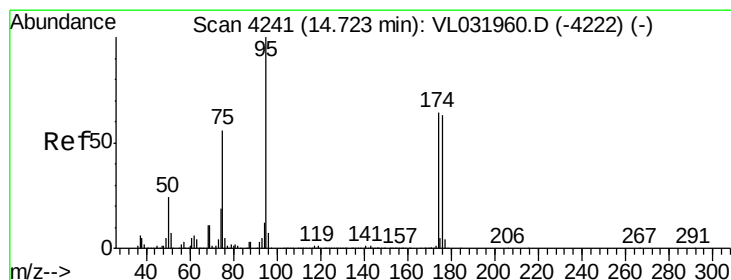
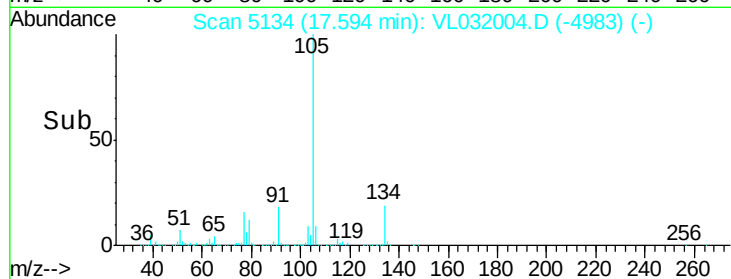
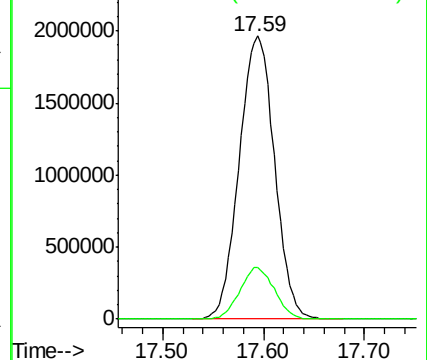
105 100

134 17.9 14.2 21.4



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: 8.23 ppbv

RT: 14.71 min Scan# 4238

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

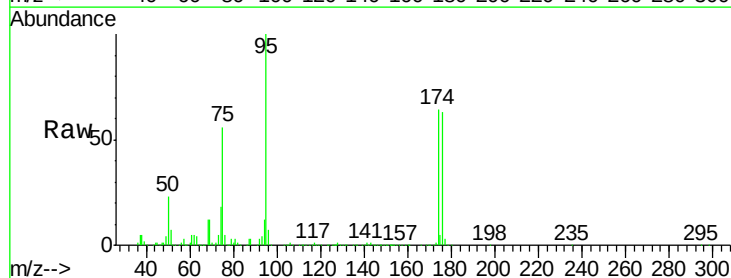
Tgt Ion: 95 Resp: 2055817

Ion Ratio Lower Upper

95 100

174 65.7 53.0 79.6

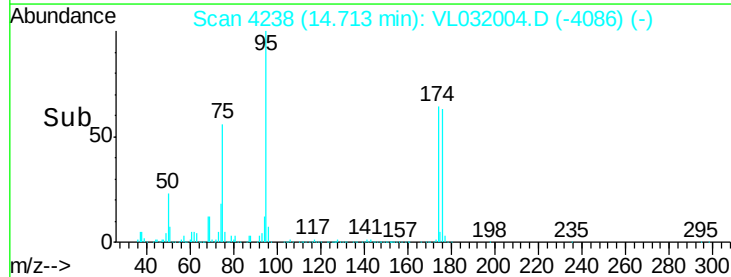
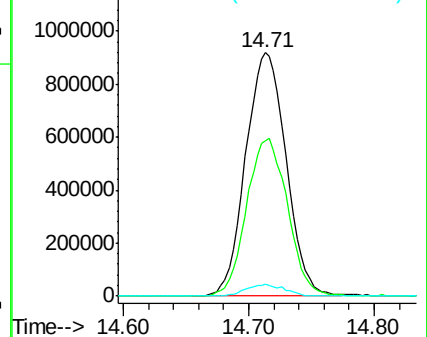
175 4.8 3.9 5.9

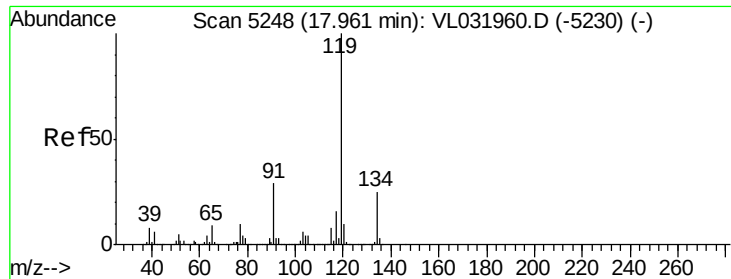


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

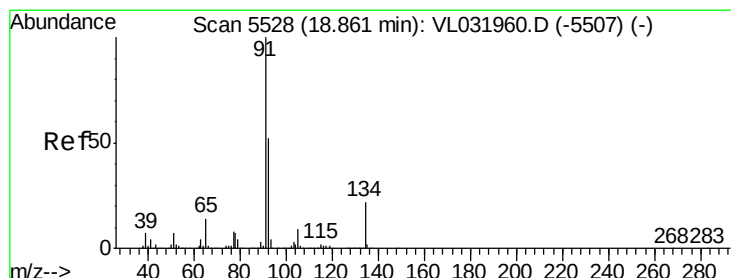
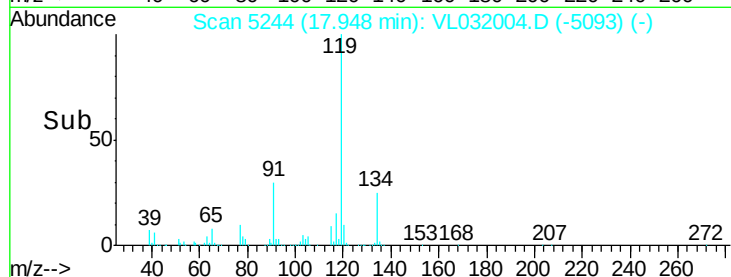
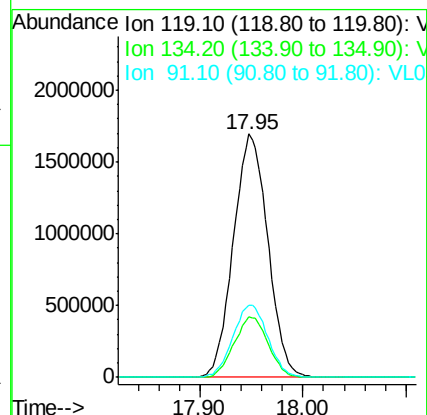
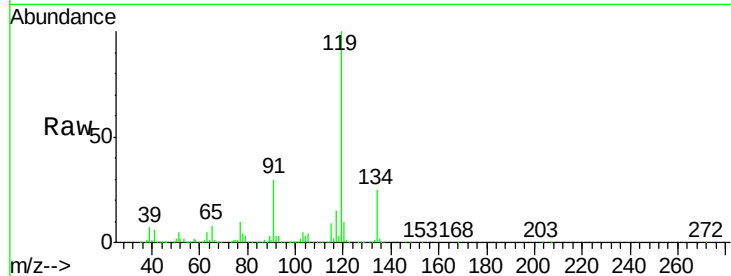




#69
 p-Isopropyltoluene
 Concen: 7.87 ppbv
 RT: 17.95 min Scan# 5244
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

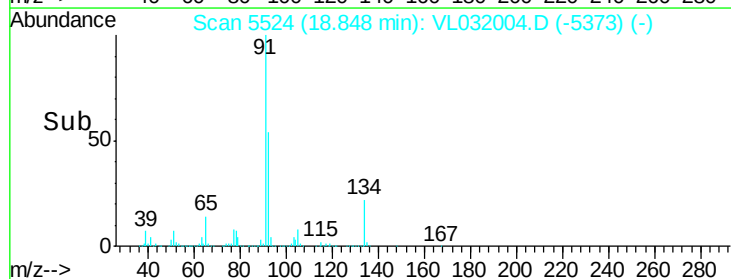
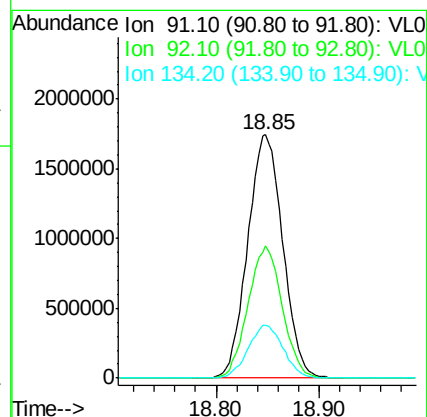
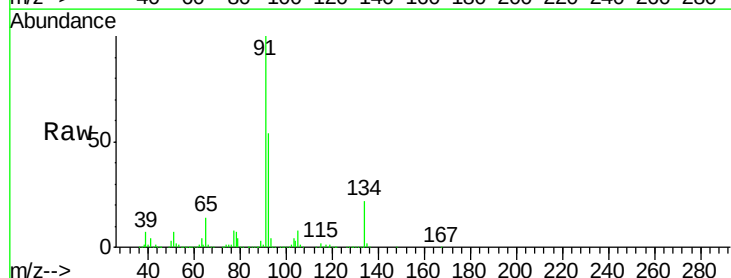
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

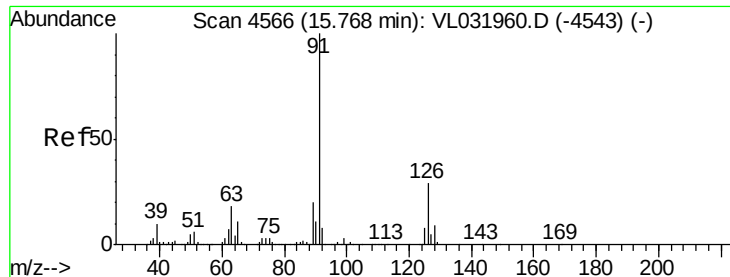
Tgt Ion: 119 Resp: 3934605
 Ion Ratio Lower Upper
 119 100
 134 24.7 19.8 29.8
 91 30.2 23.8 35.6



#70
 n-Butylbenzene
 Concen: 7.95 ppbv
 RT: 18.85 min Scan# 5524
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 91 Resp: 4113385
 Ion Ratio Lower Upper
 91 100
 92 52.8 41.8 62.8
 134 21.7 17.6 26.4

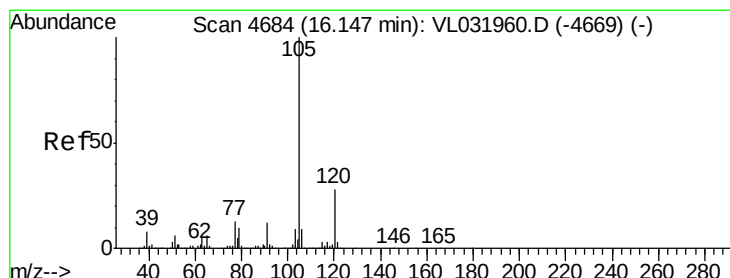
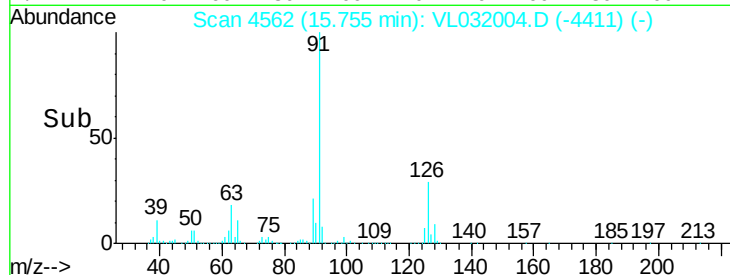
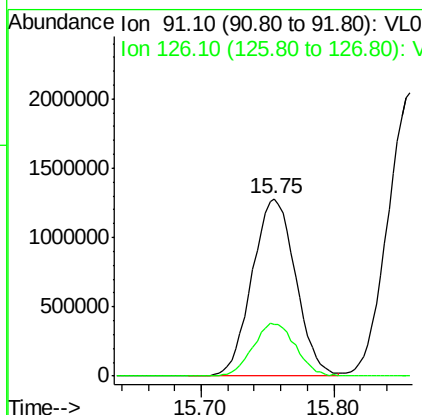
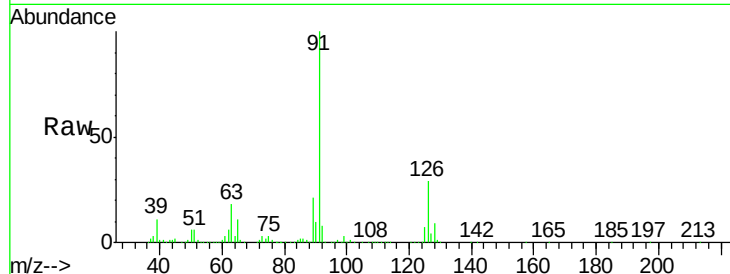




#71
 2-Chlorotoluene
 Concen: 7.95 ppbv
 RT: 15.75 min Scan# 4562
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

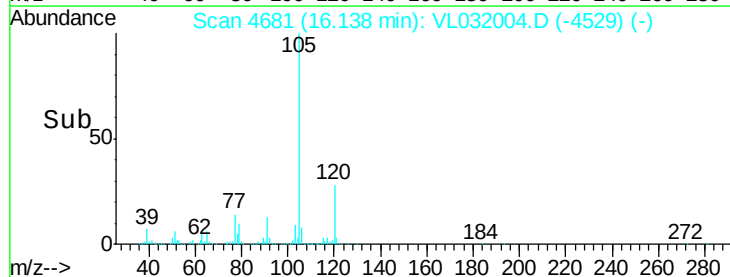
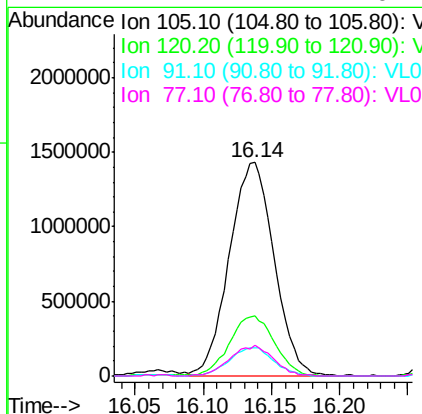
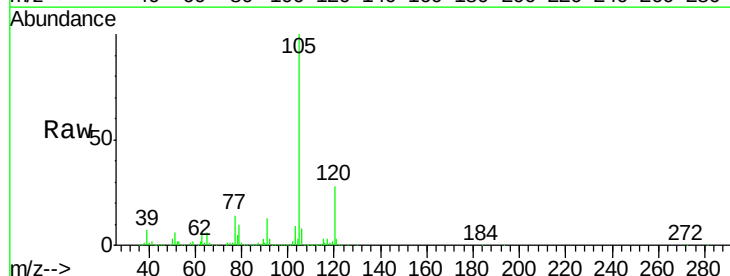
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

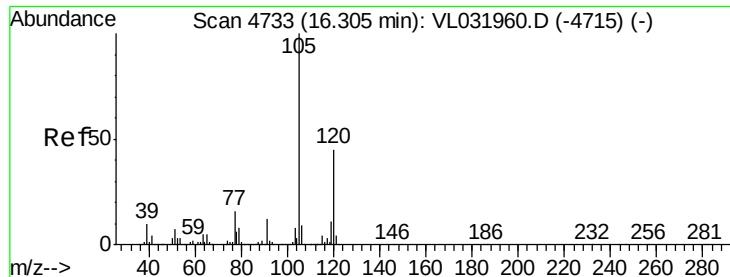
Tgt Ion: 91 Resp: 2923721
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.2



#72
 4-Ethyltoluene
 Concen: 8.13 ppbv
 RT: 16.14 min Scan# 4681
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 105 Resp: 3244398
 Ion Ratio Lower Upper
 105 100
 120 28.6 22.6 33.8
 91 13.3 10.5 15.7
 77 14.4 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.86 ppbv

RT: 16.29 min Scan# 4729

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

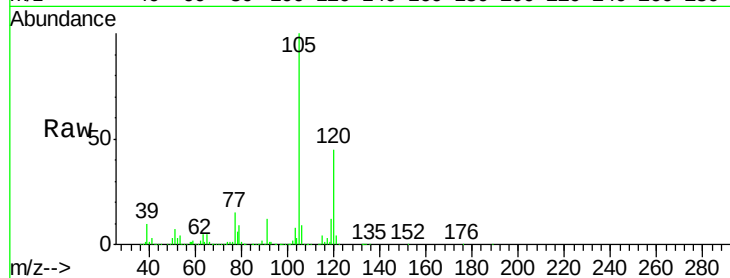
VSTDCCC010

Tgt Ion:105 Resp: 2898002

Ion Ratio Lower Upper

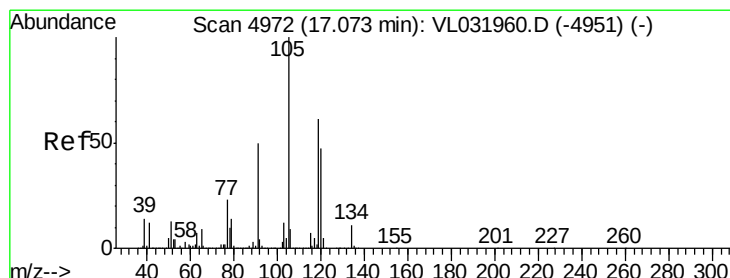
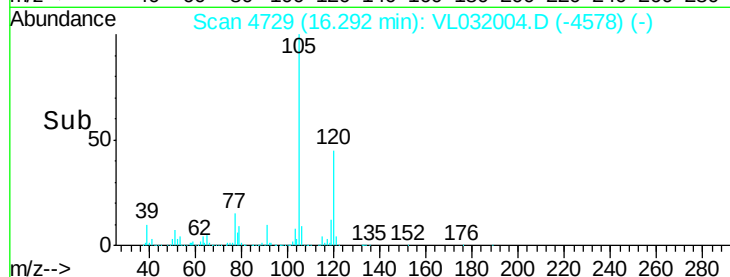
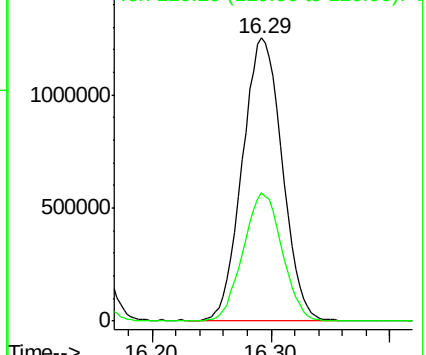
105 100

120 45.3 36.0 54.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.63 ppbv

RT: 17.06 min Scan# 4969

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tgt Ion:105 Resp: 3113192

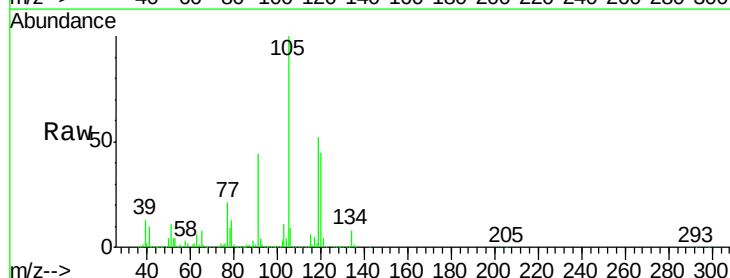
Ion Ratio Lower Upper

105 100

120 45.3 37.8 56.6

91 44.0 40.5 60.7

77 20.8 18.2 27.2

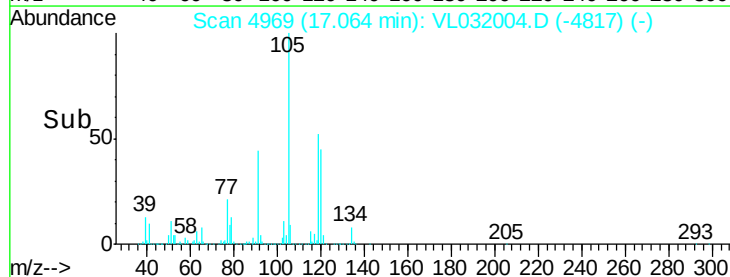
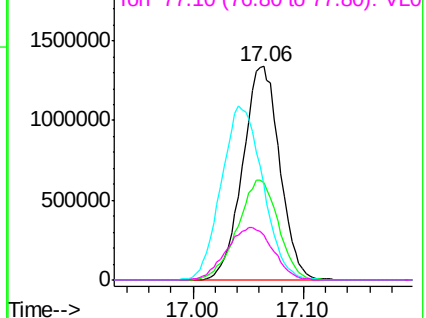


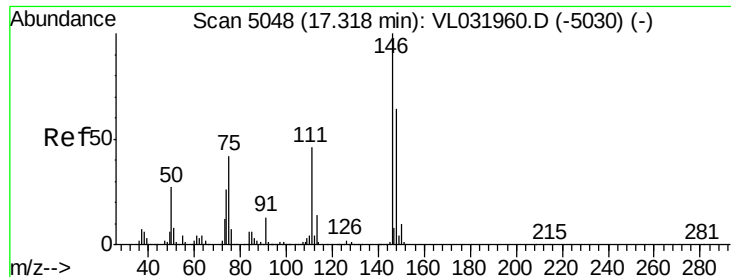
Abundance Ion 105.10 (104.80 to 105.80): V

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

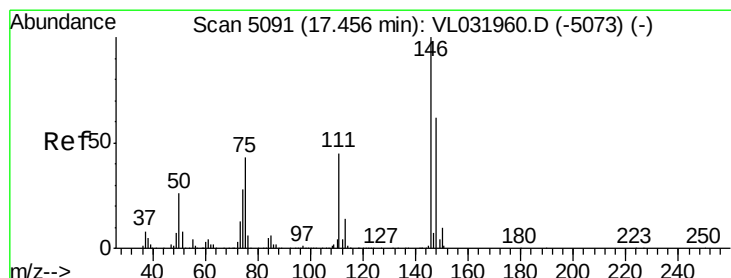
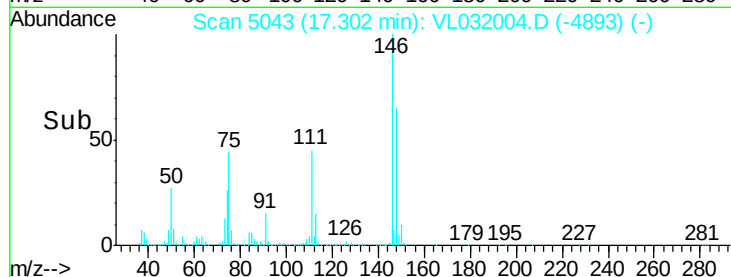
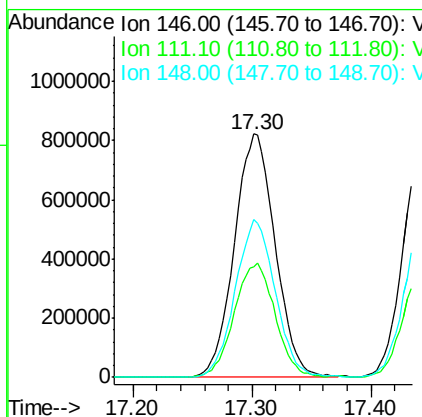
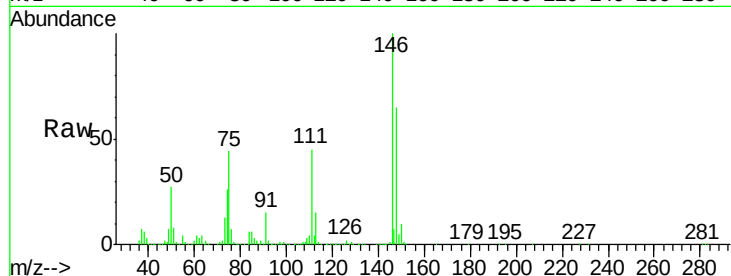




#75
 1,3-Dichlorobenzene
 Concen: 7.73 ppbv
 RT: 17.30 min Scan# 5043
 Delta R.T. -0.02 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

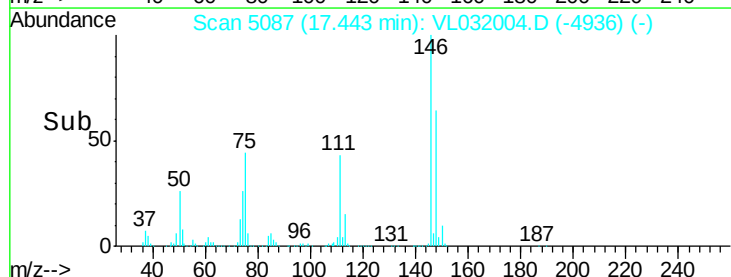
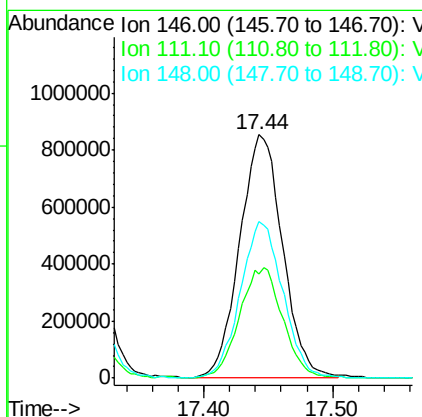
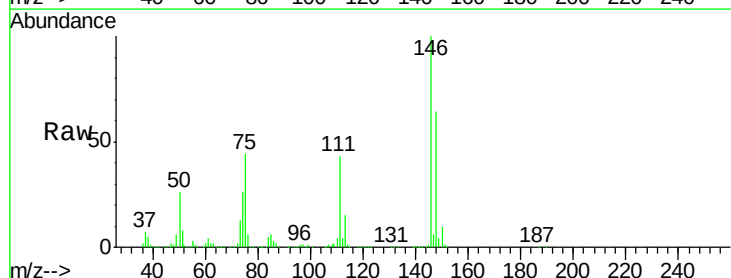
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

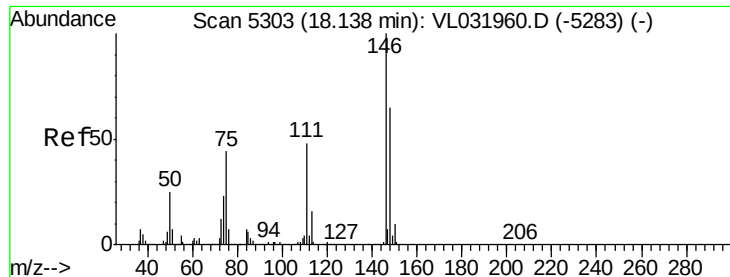
Tgt Ion:146 Resp: 1946991
 Ion Ratio Lower Upper
 146 100
 111 47.4 23.5 70.5
 148 63.6 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 7.87 ppbv
 RT: 17.44 min Scan# 5087
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion:146 Resp: 1961077
 Ion Ratio Lower Upper
 146 100
 111 46.4 23.0 69.0
 148 64.8 32.4 97.2

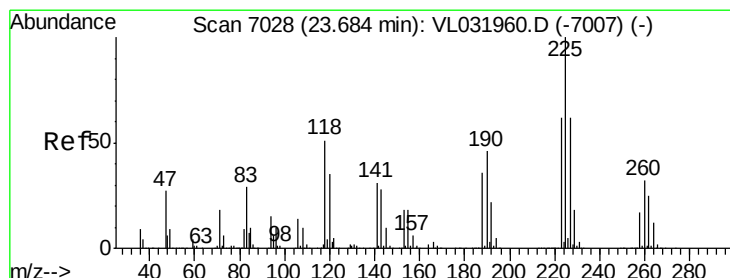
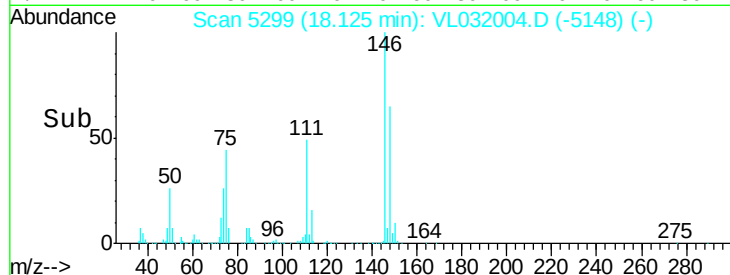
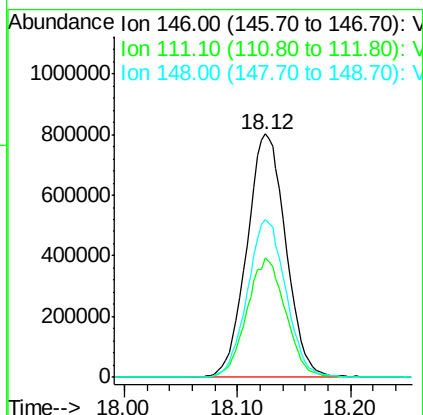
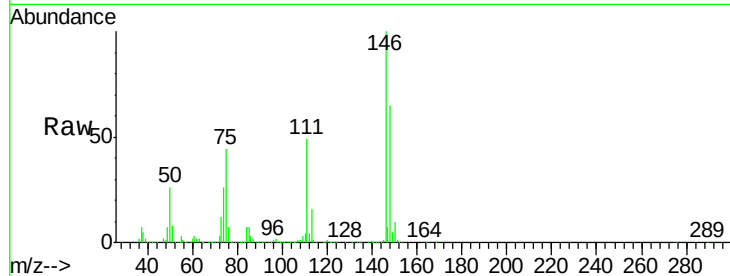




#77
 1,2-Dichlorobenzene
 Concen: 7.56 ppbv
 RT: 18.12 min Scan# 5299
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

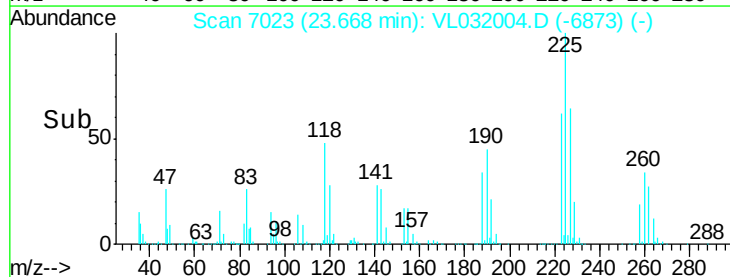
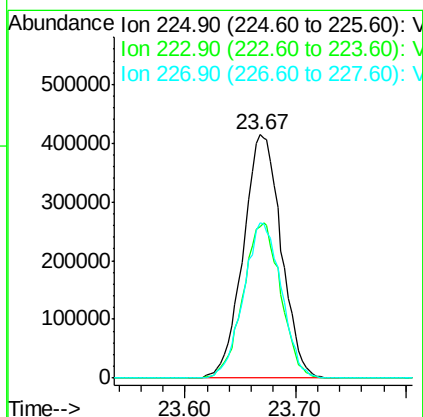
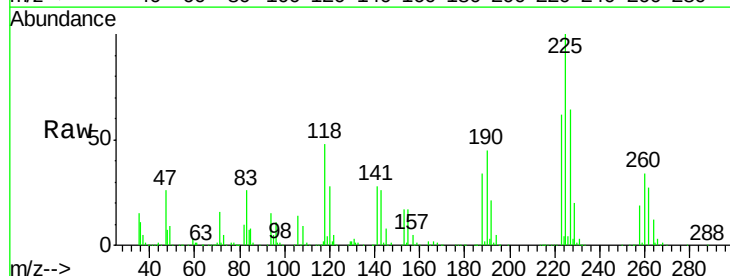
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

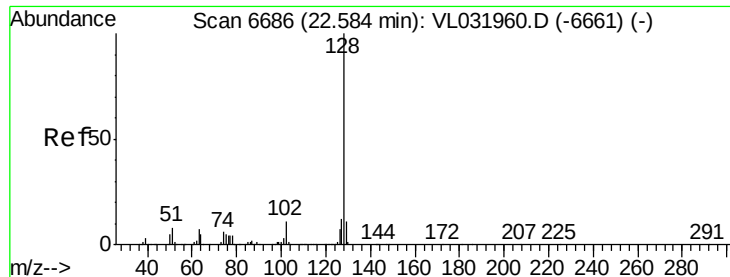
Tgt Ion:146 Resp: 1917058
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.2 72.6
 148 64.0 32.0 96.2



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.57 ppbv
 RT: 23.67 min Scan# 7023
 Delta R.T. -0.02 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion:225 Resp: 987409
 Ion Ratio Lower Upper
 225 100
 223 63.1 50.8 76.2
 227 63.8 50.9 76.3





#79

Naphthalene

Concen: 12.15 ppbv

RT: 22.57 min Scan# 6681

Delta R.T. -0.02 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

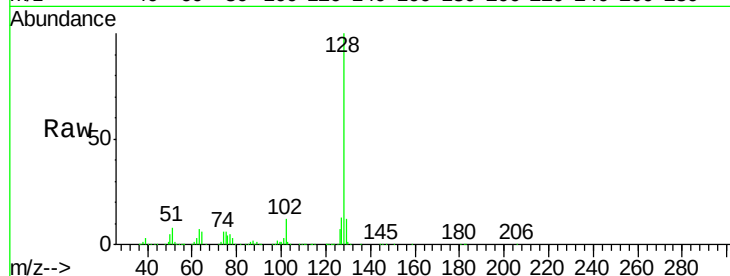
Tgt Ion:128 Resp: 3451282

Ion Ratio Lower Upper

128 100

127 13.3 10.0 15.0

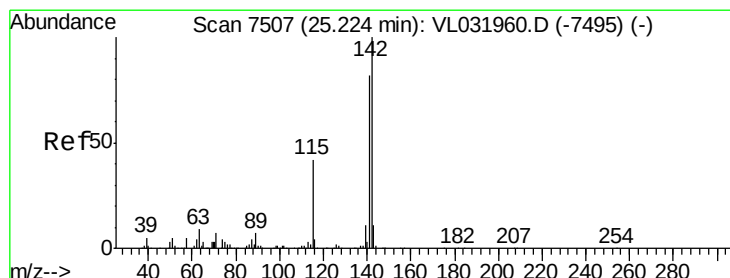
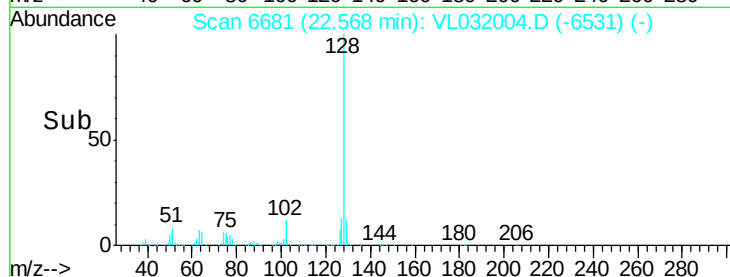
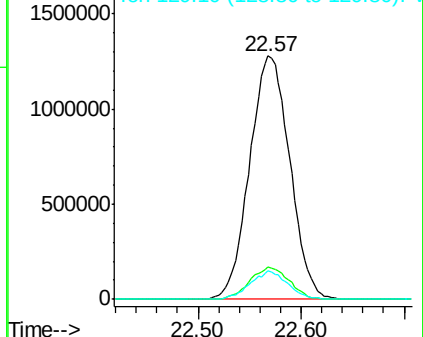
129 11.6 9.0 13.4



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: 23.05 ppbv

RT: 25.22 min Scan# 7505

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

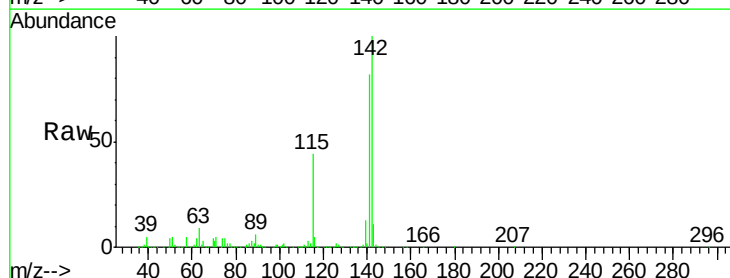
Tgt Ion:142 Resp: 1561733

Ion Ratio Lower Upper

142 100

141 84.2 67.9 101.9

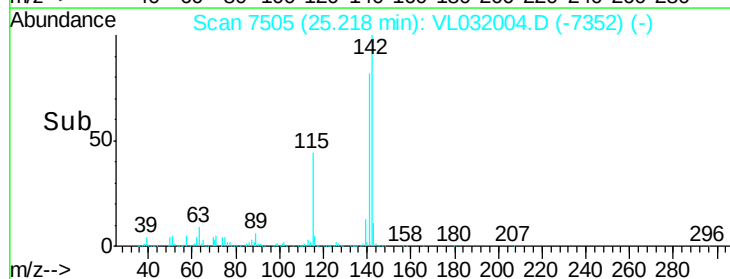
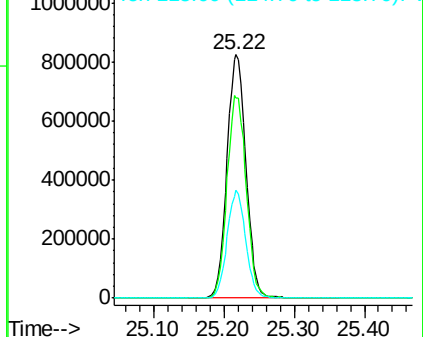
115 43.3 33.8 50.8

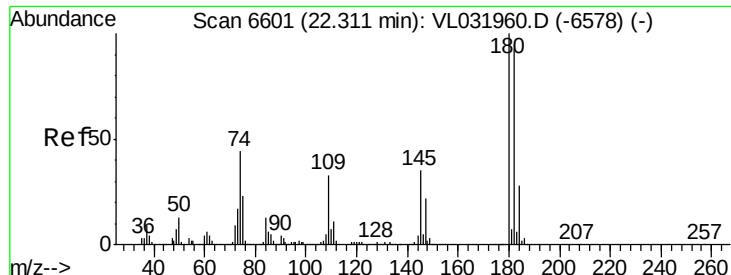


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

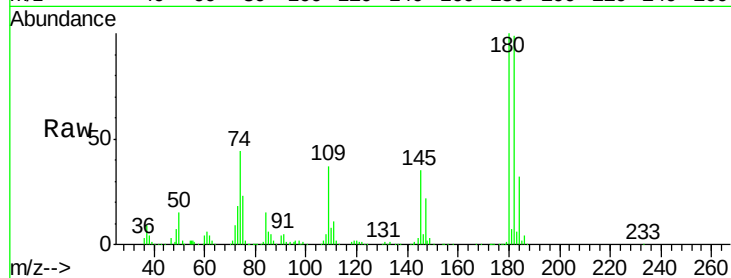




#81
 1,2,4-Trichlorobenzene
 Concen: 10.85 ppbv
 RT: 22.30 min Scan# 6597
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1709433
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 184 30.5 24.0 36.0



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

