

Data File : VL031878.D

Acq On : 12 Apr 2018 23:19

Operator : SY/AP

Sample : VSTDCCC010

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Apr 14 01:38:56 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL041218AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018

QLast Update : Fri Apr 13 16:50:02 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1356522	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2875168	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.40	117	3488011	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2306014	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.16	85	1484679	5.31	ppbv	98
3) Chlorodifluoromethane	3.10	51	1116129	7.07	ppbv	99
4) Chloromethane	3.26	50	657134	8.16	ppbv	95
5) Vinyl Chloride	3.39	62	705064	7.77	ppbv	98
6) Bromomethane	3.61	94	477762	8.02	ppbv	99
7) Chloroethane	3.70	64	289008	7.99	ppbv	98
8) Dichlorotetrafluoroethane	3.31	85	1759213	7.66	ppbv	100
9) Propene	3.13	41	491344	9.01	ppbv	98
10) Heptane	8.39	43	1608364	9.09	ppbv	100
11) Trichlorofluoromethane	4.11	101	2332143	8.50	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.67	101	1493783	8.38	ppbv	100
13) Ethanol	3.75	45	123465	6.67	ppbv	98
14) Bromoethene	3.89	108	637256	9.48	ppbv	99
15) Acetone	4.01	43	1591936	7.63	ppbv	98
16) 1,3-Butadiene	3.46	39	685750	8.88	ppbv	99
17) tert-Butyl alcohol	4.47	59	666529	7.73	ppbv	98
18) 1,1-Dichloroethene	4.47	96	675103	8.82	ppbv	95
19) Isopropyl Alcohol	4.13	45	1035127	8.88	ppbv #	99
20) Methylene Chloride	4.52	84	620761	8.16	ppbv	91
21) Allyl Chloride	4.59	41	1092506	9.16	ppbv	98
22) trans-1,2-Dichloroethene	5.09	96	718048	9.05	ppbv	98
23) Vinyl Acetate	5.28	43	2068193	9.77	ppbv	99
24) 1,1-Dichloroethane	5.22	63	1910539	9.06	ppbv	100
25) Ethyl Acetate	5.90	43	2952678	9.07	ppbv	100
26) Hexane	5.91	57	1401774	9.23	ppbv	99
27) Carbon Disulfide	4.74	76	1773518	9.00	ppbv	100
28) Methyl tert-Butyl Ether	5.24	73	1808670	9.68	ppbv	99
29) Chloroform	5.98	83	2235923	8.69	ppbv	100
30) Cyclohexane	7.39	84	995520	9.18	ppbv	98
31) cis-1,2-Dichloroethene	5.77	61	1304925	9.49	ppbv	99
32) 1,1,1-Trichloroethane	6.76	97	2018133	8.05	ppbv	99
34) 2-Butanone	5.46	43	1931183	9.68	ppbv	98
35) Carbon Tetrachloride	7.28	117	2045099	8.19	ppbv	97
36) Benzene	7.15	78	2410727	9.32	ppbv	97
37) 1,2-Dichloroethane	6.55	62	1650275	8.58	ppbv	99
38) Trichloroethene	8.11	130	962234	9.17	ppbv	96
39) 1,2-Dichloropropane	7.88	63	867633	9.02	ppbv	98
40) 1,4-Dioxane	8.10	88	358210	9.18	ppbv	85
41) Tetrahydrofuran	6.28	42	979450	10.61	ppbv	98
42) Bromodichloromethane	8.06	83	2054628	8.92	ppbv	99
43) Methyl Methacrylate	8.28	69	891064	9.79	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018

QLast Update : Fri Apr 13 16:50:02 2018

Response via : Initial Calibration

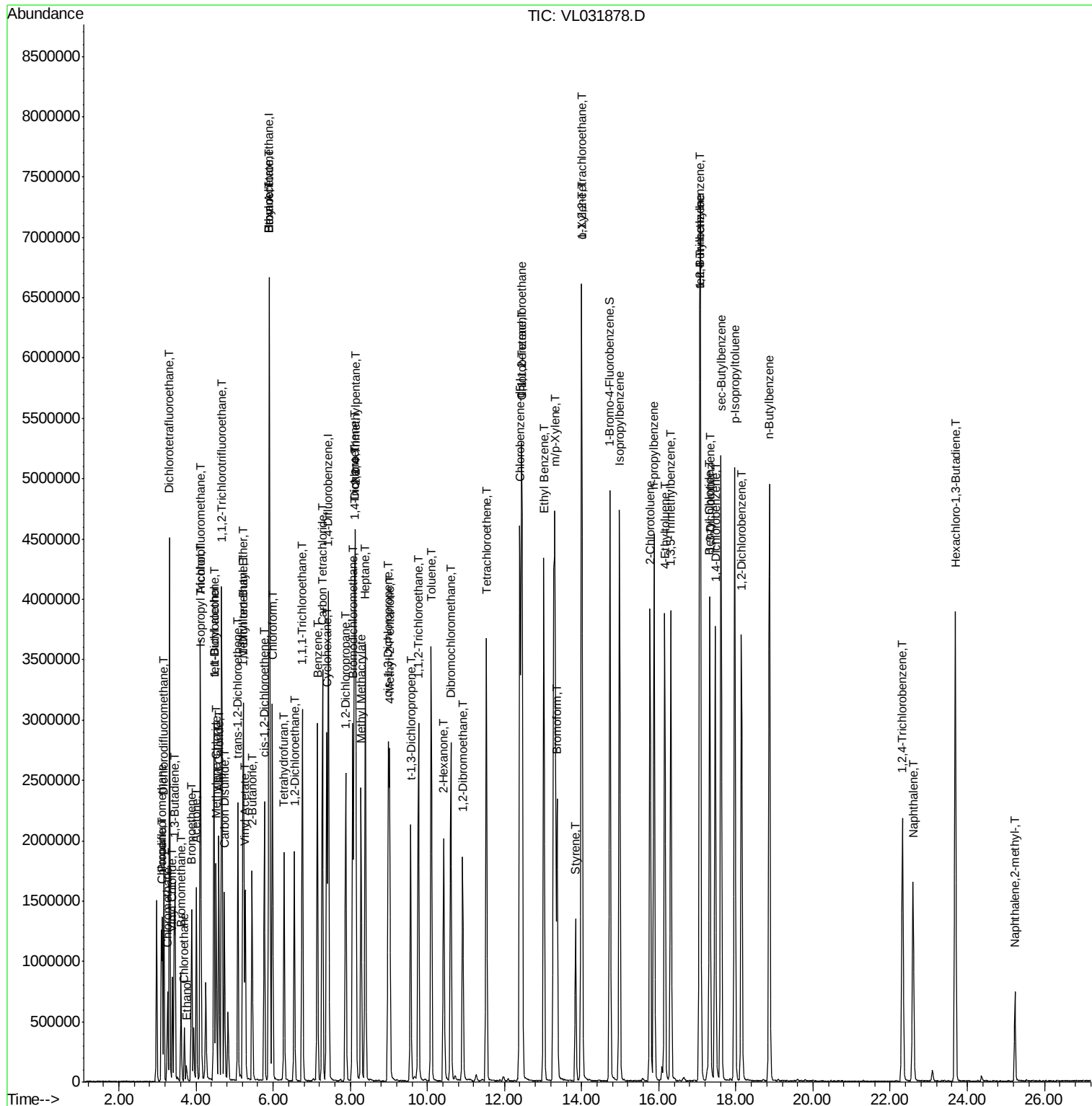
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.13	57	4136898	9.29	ppbv	99
45) t-1,3-Dichloropropene	9.57	75	1242698	10.53	ppbv	96
46) cis-1,3-Dichloropropene	8.98	75	1524714	10.11	ppbv	94
47) 1,1,2-Trichloroethane	9.77	97	1014421	8.88	ppbv	98
48) Dibromochloromethane	10.61	129	1714915	9.29	ppbv	100
49) Bromoform	13.36	173	1337147	9.41	ppbv	99
50) 4-Methyl-2-Pentanone	9.02	43	2098054	9.19	ppbv	100
51) 2-Hexanone	10.42	43	1868180	9.36	ppbv #	100
52) Tetrachloroethene	11.53	164	884332	8.78	ppbv	95
53) Toluene	10.10	91	2859491	9.92	ppbv	99
54) 1,2-Dibromoethane	10.92	107	1537880	9.27	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.44	131	1181425	7.20	ppbv	98
57) Chlorobenzene	12.46	112	2157422	7.30	ppbv	98
58) Ethyl Benzene	13.02	91	3987392	8.23	ppbv	100
59) m/p-Xylene	13.30	91	3509755	8.34	ppbv #	43
60) o-Xylene	14.01	91	3321026	7.90	ppbv	100
61) Styrene	13.84	104	736552	9.20	ppbv	100
62) Isopropylbenzene	14.98	105	4158461	7.70	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.99	83	2172558	6.72	ppbv	99
64) n-propylbenzene	15.88	120	1020443	7.77	ppbv	100
65) tert-Butylbenzene	17.07	119	3591680	7.73	ppbv	99
66) Benzyl Chloride	17.31	91	383300	9.16	ppbv	99
67) sec-Butylbenzene	17.61	105	5081981	7.60	ppbv	100
69) p-Isopropyltoluene	17.97	119	4081749	7.87	ppbv	99
70) n-Butylbenzene	18.87	91	4126614	7.64	ppbv	100
71) 2-Chlorotoluene	15.77	91	3095257	7.93	ppbv	99
72) 4-Ethyltoluene	16.15	105	3340268	7.77	ppbv	100
73) 1,3,5-Trimethylbenzene	16.31	105	3048078	7.75	ppbv	99
74) 1,2,4-Trimethylbenzene	17.08	105	3195549	7.28	ppbv	98
75) 1,3-Dichlorobenzene	17.32	146	1901695	7.06	ppbv	99
76) 1,4-Dichlorobenzene	17.47	146	1908050	7.31	ppbv	99
77) 1,2-Dichlorobenzene	18.14	146	1933033	7.29	ppbv	99
78) Hexachloro-1,3-Butadiene	23.69	225	985313	9.68	ppbv	99
79) Naphthalene	22.59	128	1048589	4.24	ppbv	97
80) Naphthalene,2-methyl-	25.23	142	373664	7.75	ppbv	98
81) 1,2,4-Trichlorobenzene	22.32	180	1016791	7.42	ppbv	99

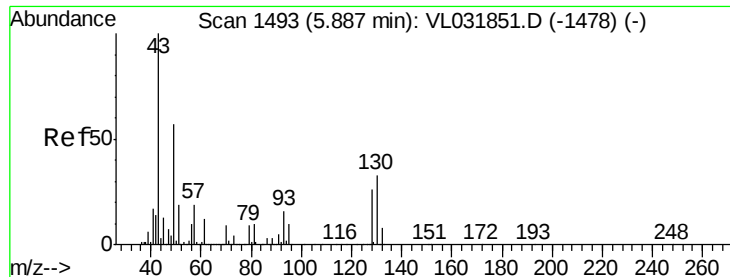
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ALS Vial : 1 Sample Multiplier: 1

VORLESUNGEN

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.89 min Scan# 1495

Delta R.T. 0.00 min

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VSTDCCC010EC

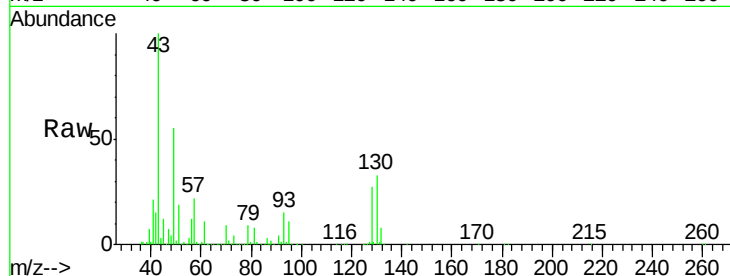
Tgt Ion: 49 Resp: 1356522

Ion Ratio Lower Upper

49 100

128 47.9 23.9 71.7

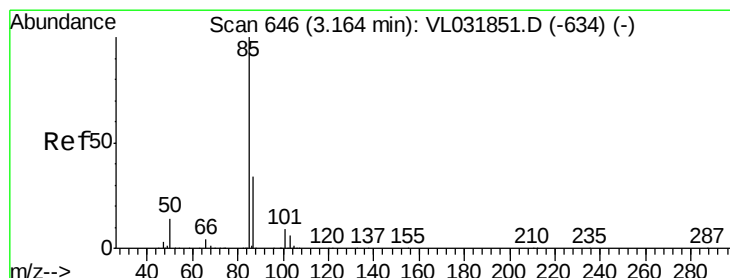
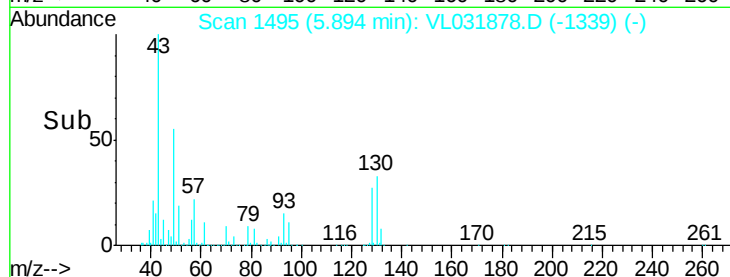
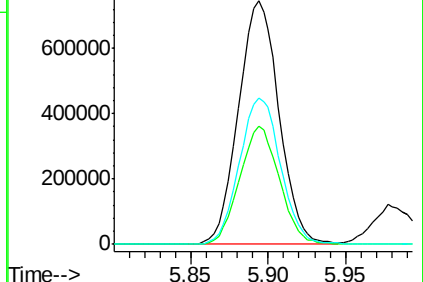
130 61.5 30.9 92.7



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: 5.31 ppbv

RT: 3.16 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL031878.D

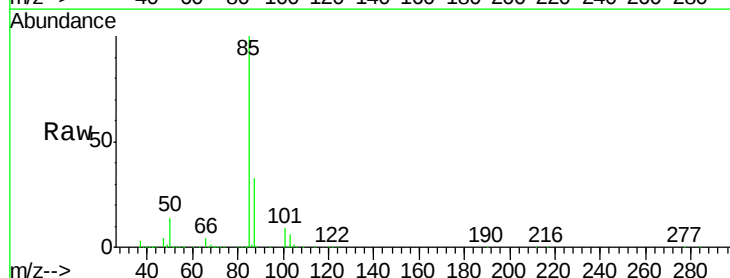
Acq: 12 Apr 2018 23:19

Tgt Ion: 85 Resp: 1484679

Ion Ratio Lower Upper

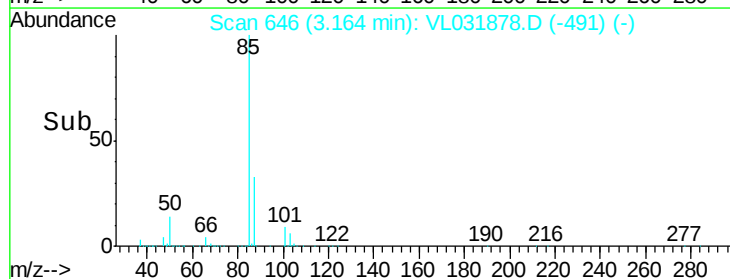
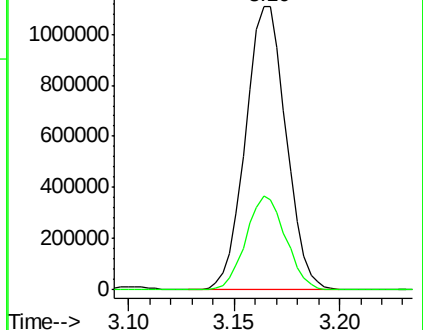
85 100

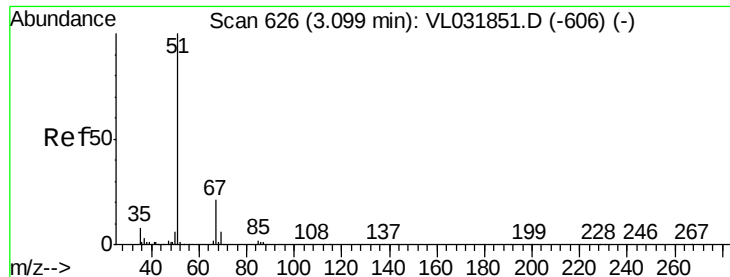
87 33.4 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.07 ppbv

RT: 3.10 min Scan# 627

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

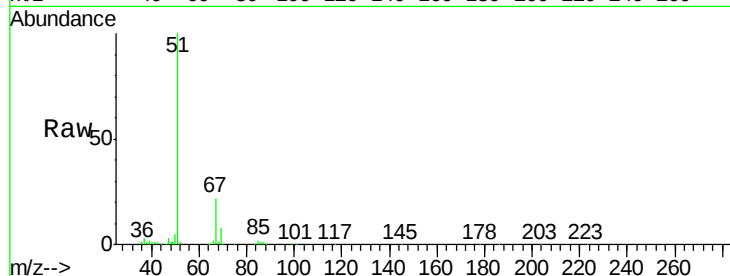
VSTDCCC010EC

Tgt Ion: 51 Resp: 1116129

Ion Ratio Lower Upper

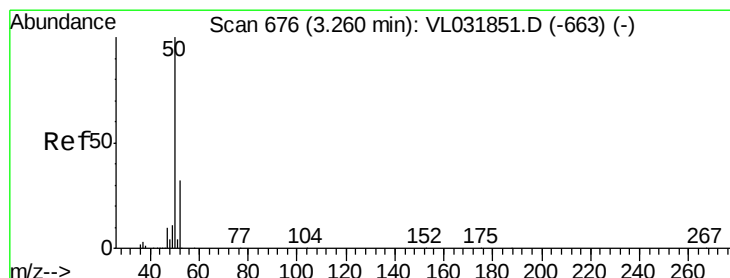
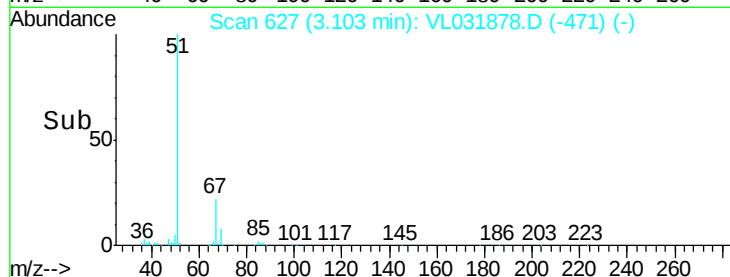
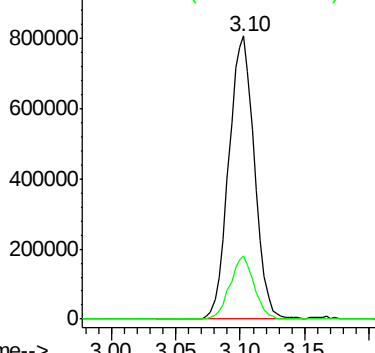
51 100

67 21.2 17.5 26.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.16 ppbv

RT: 3.26 min Scan# 676

Delta R.T. -0.00 min

Lab File: VL031878.D

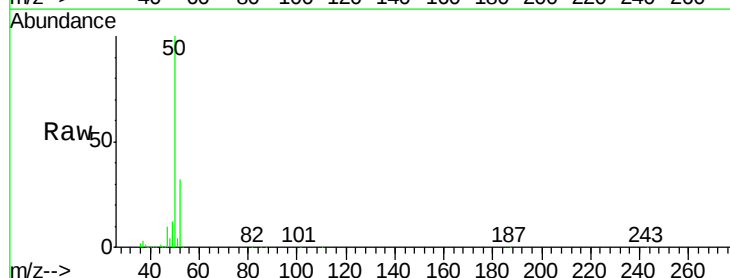
Acq: 12 Apr 2018 23:19

Tgt Ion: 50 Resp: 657134

Ion Ratio Lower Upper

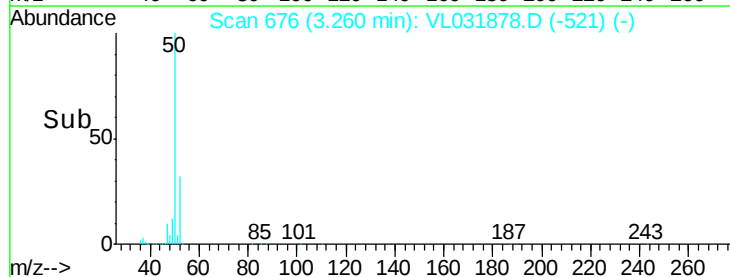
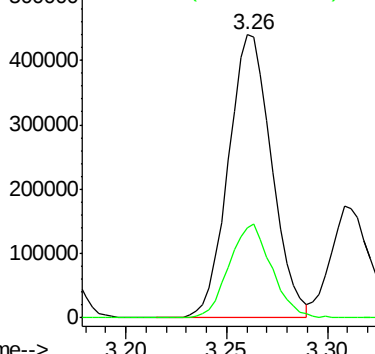
50 100

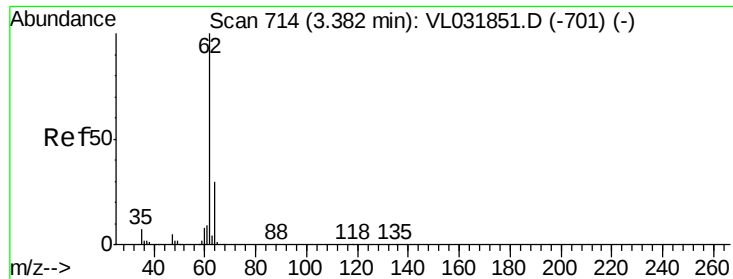
52 32.0 28.1 42.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 7.77 ppbv

RT: 3.39 min Scan# 715

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

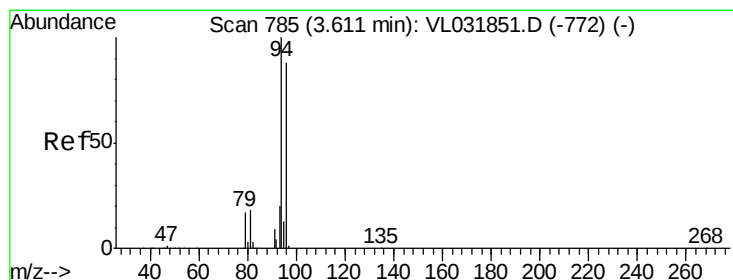
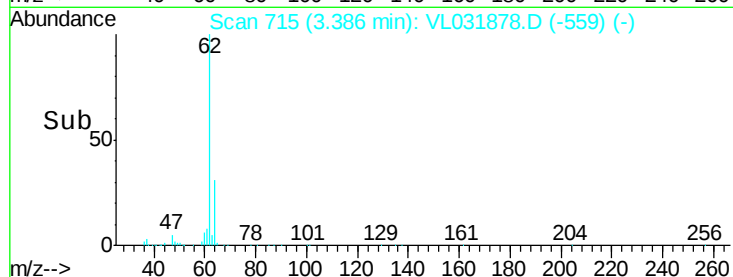
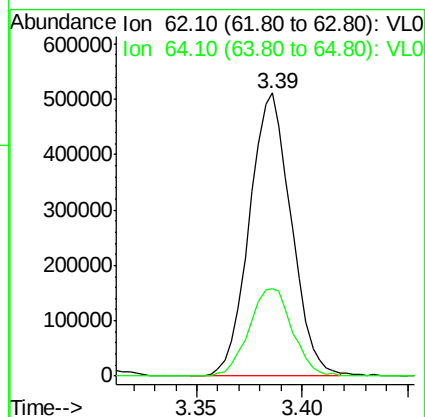
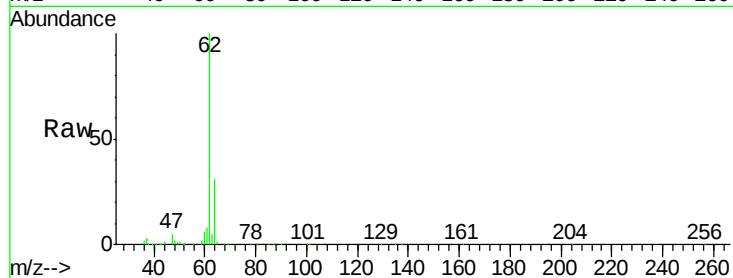
VSTDCCC010EC

Tgt Ion: 62 Resp: 705064

Ion Ratio Lower Upper

62 100

64 31.0 25.9 38.9



#6

Bromomethane

Concen: 8.02 ppbv

RT: 3.61 min Scan# 786

Delta R.T. 0.00 min

Lab File: VL031878.D

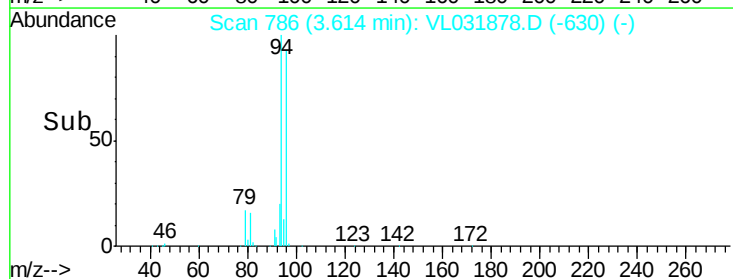
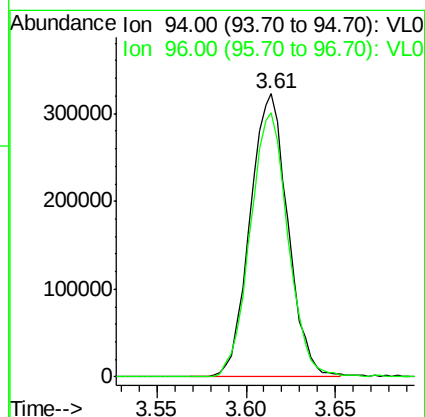
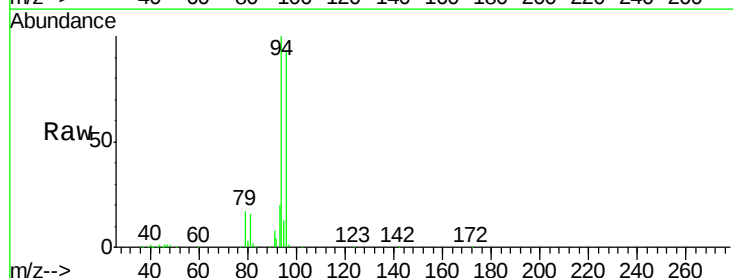
Acq: 12 Apr 2018 23:19

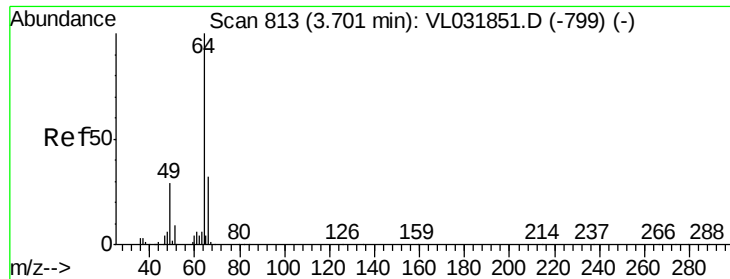
Tgt Ion: 94 Resp: 477762

Ion Ratio Lower Upper

94 100

96 93.2 73.8 110.6





#7

Chloroethane

Concen: 7.99 ppbv

RT: 3.70 min Scan# 812

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

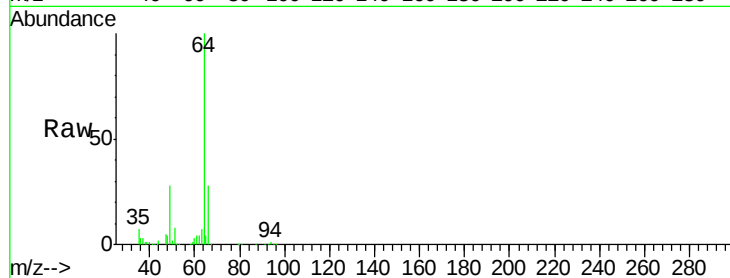
VSTDCCC010EC

Tgt Ion: 64 Resp: 289008

Ion Ratio Lower Upper

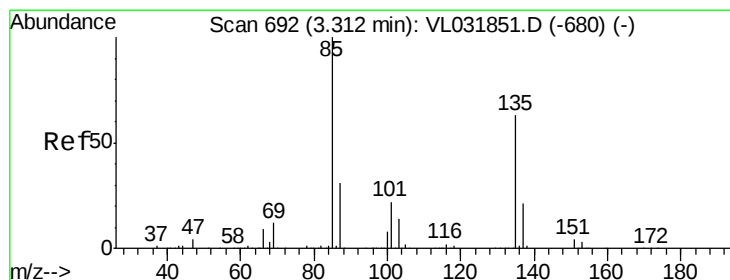
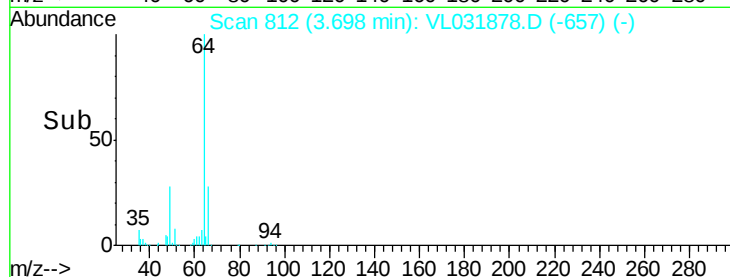
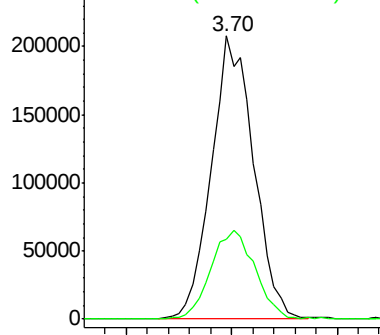
64 100

66 28.2 23.4 35.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 7.66 ppbv

RT: 3.31 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL031878.D

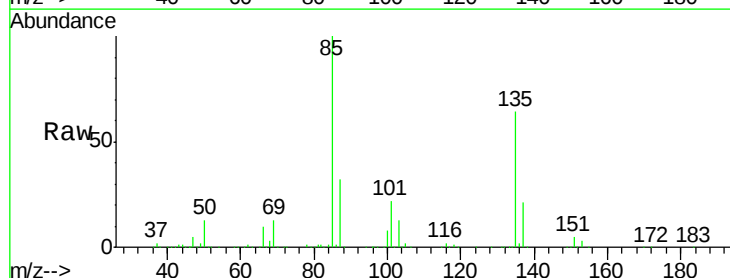
Acq: 12 Apr 2018 23:19

Tgt Ion: 85 Resp: 1759213

Ion Ratio Lower Upper

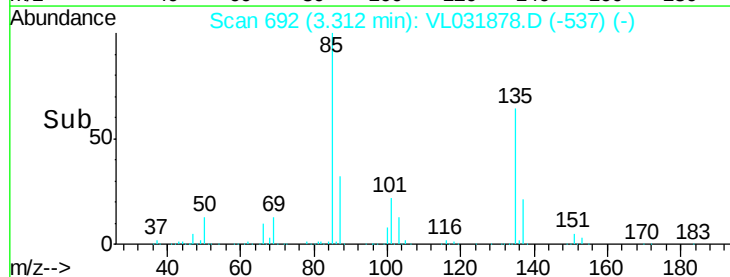
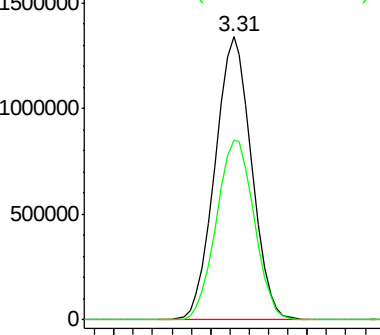
85 100

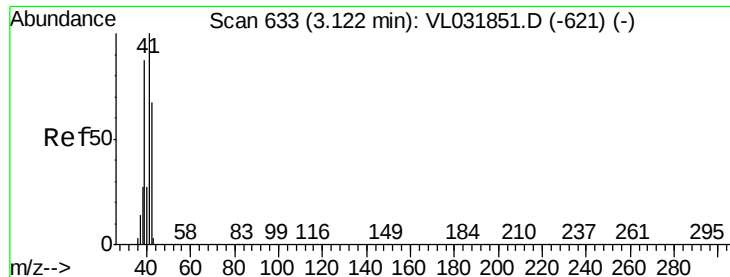
135 66.2 52.7 79.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.01 ppbv

RT: 3.13 min Scan# 634

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

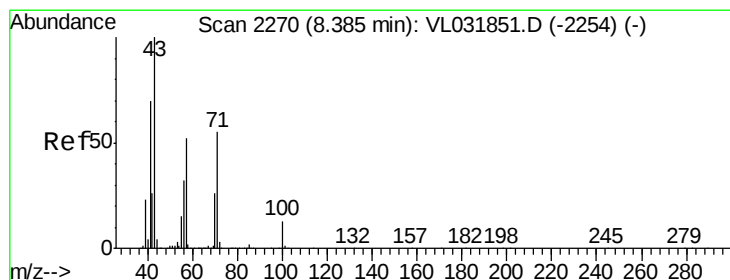
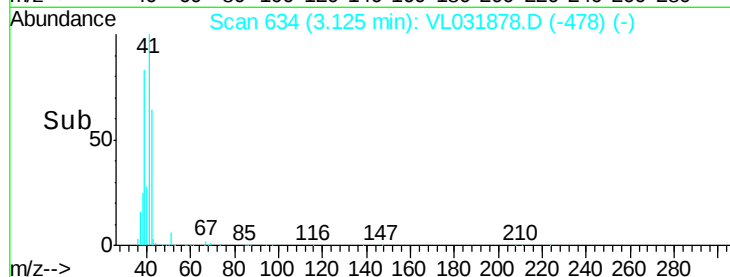
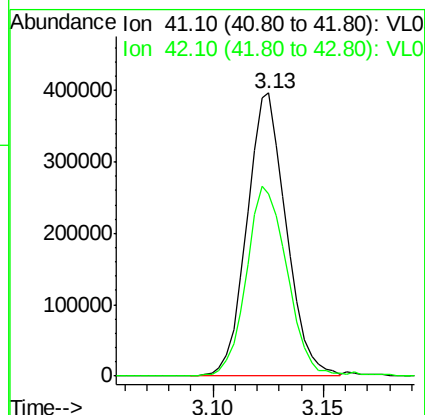
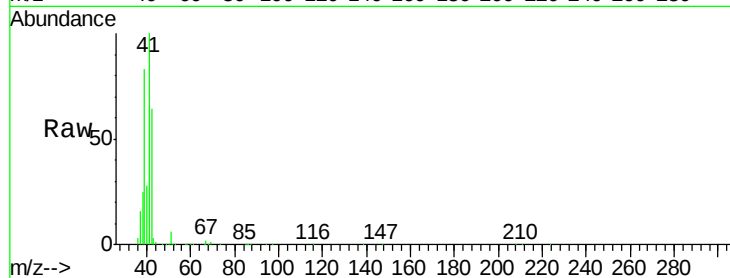
VSTDCCC010EC

Tgt Ion: 41 Resp: 491344

Ion Ratio Lower Upper

41 100

42 70.2 55.0 82.4



#10

Heptane

Concen: 9.09 ppbv

RT: 8.39 min Scan# 2272

Delta R.T. 0.01 min

Lab File: VL031878.D

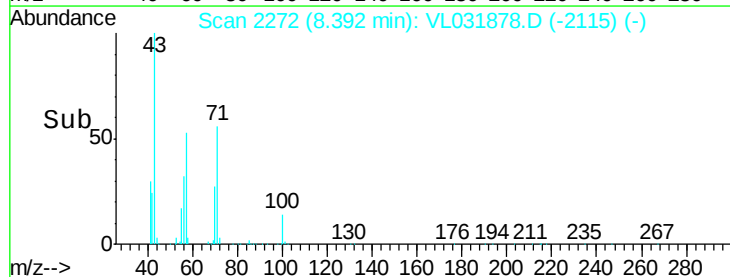
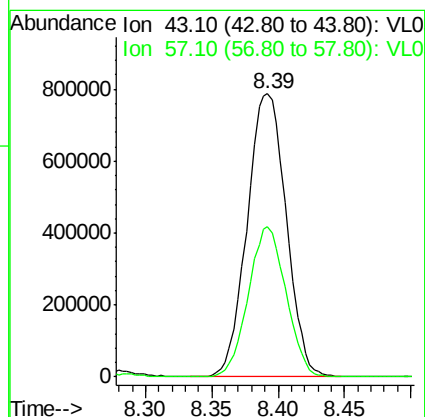
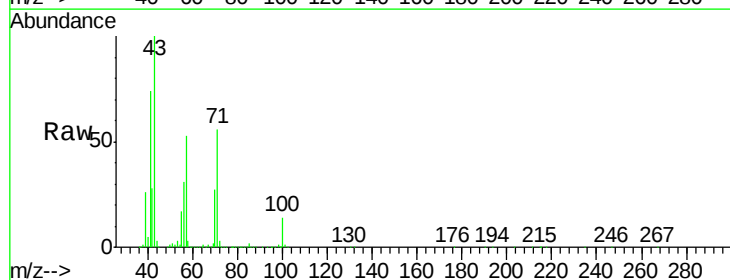
Acq: 12 Apr 2018 23:19

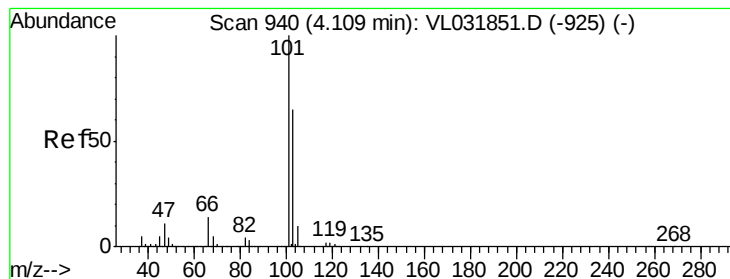
Tgt Ion: 43 Resp: 1608364

Ion Ratio Lower Upper

43 100

57 51.6 41.5 62.3





#11

Trichlorofluoromethane

Concen: 8.50 ppbv

RT: 4.11 min Scan# 941

Delta R.T. 0.00 min

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ClientSampleId :

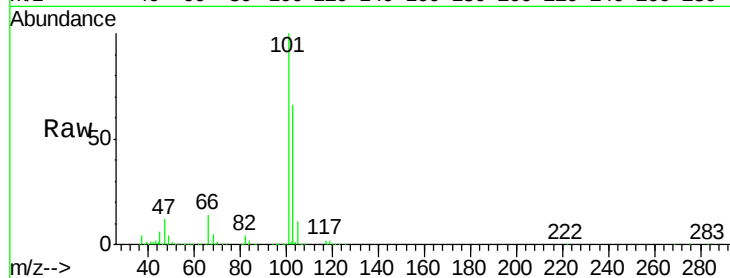
VSTDCCC010EC

Tgt Ion:101 Resp: 2332143

Ion Ratio Lower Upper

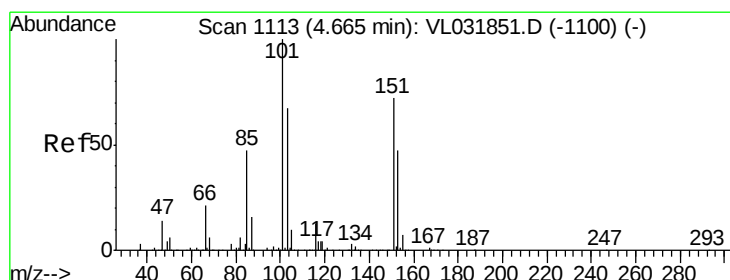
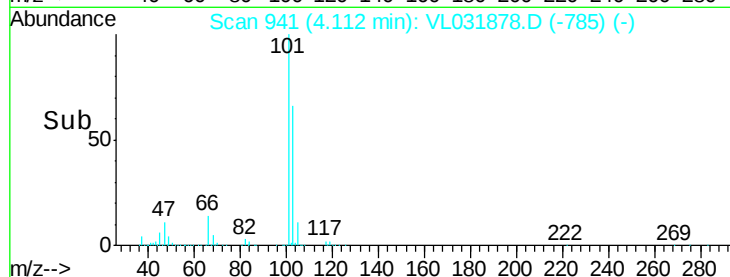
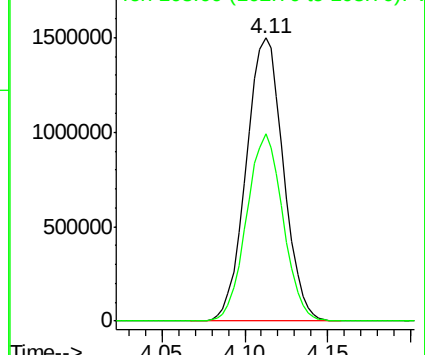
101 100

103 66.1 51.8 77.8



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: 8.38 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL031878.D

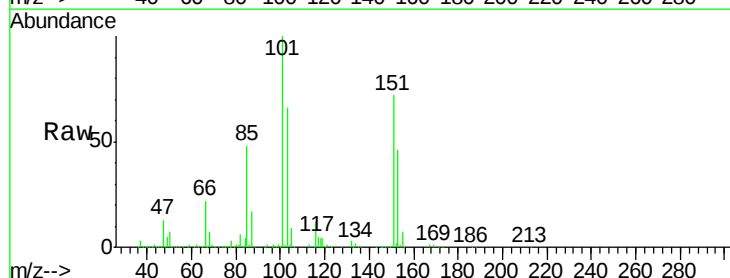
Acq: 12 Apr 2018 23:19

Tgt Ion:101 Resp: 1493783

Ion Ratio Lower Upper

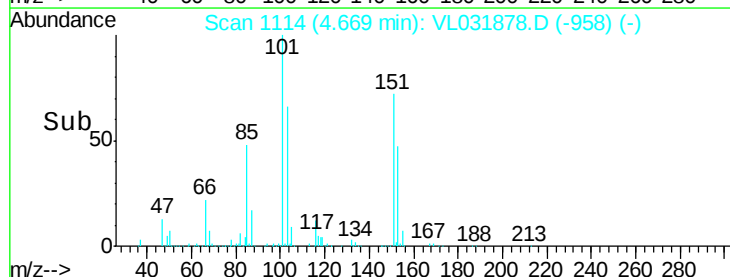
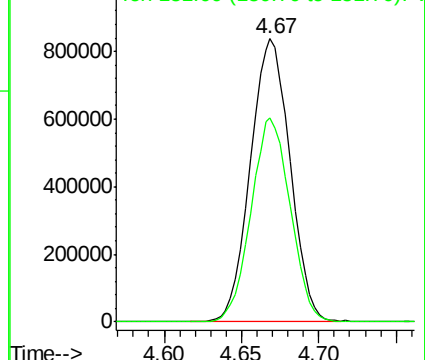
101 100

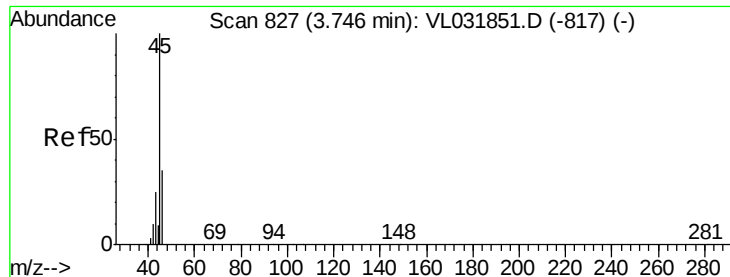
151 71.5 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.67 ppbv

RT: 3.75 min Scan# 829

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

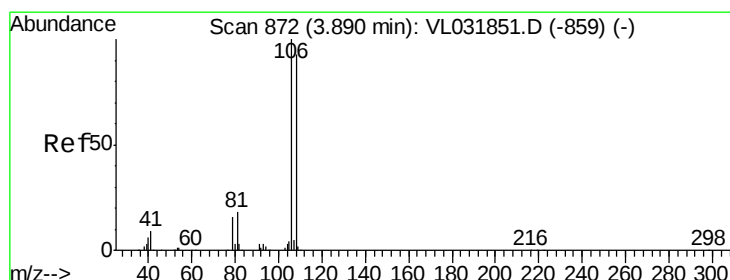
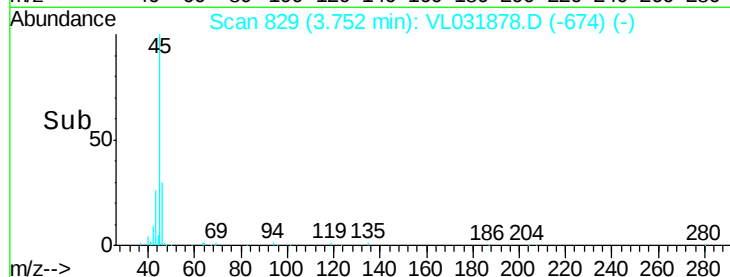
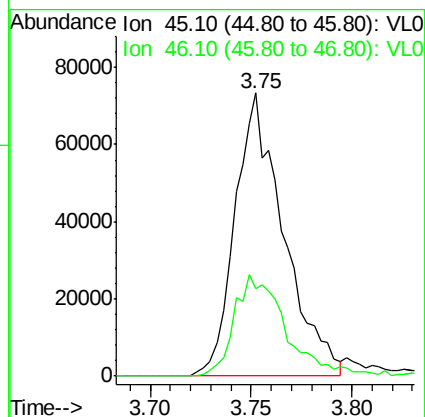
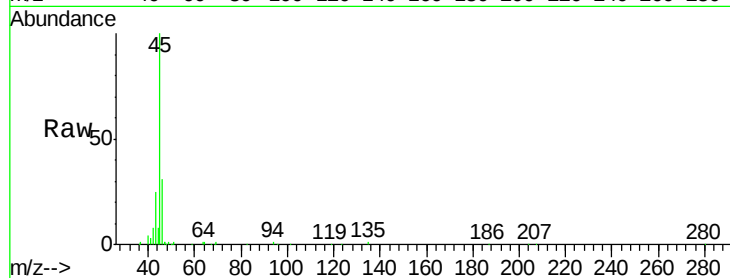
VSTDCCC010EC

Tgt Ion: 45 Resp: 123465

Ion Ratio Lower Upper

45 100

46 38.1 14.6 58.6



#14

Bromoethene

Concen: 9.48 ppbv

RT: 3.89 min Scan# 872

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

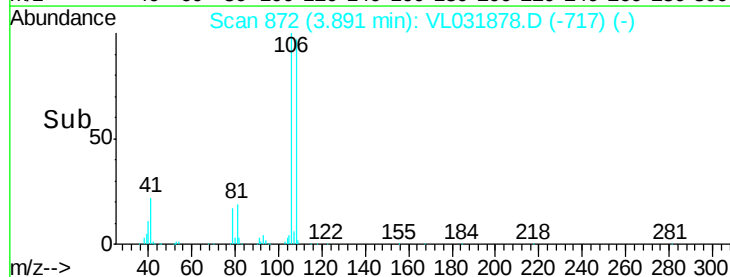
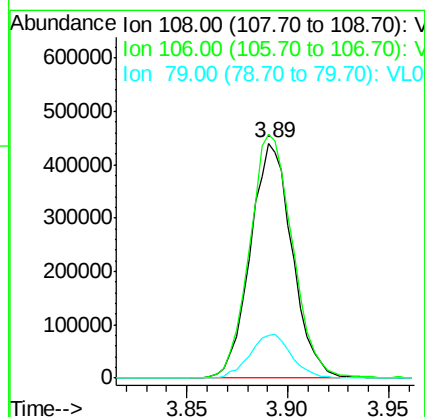
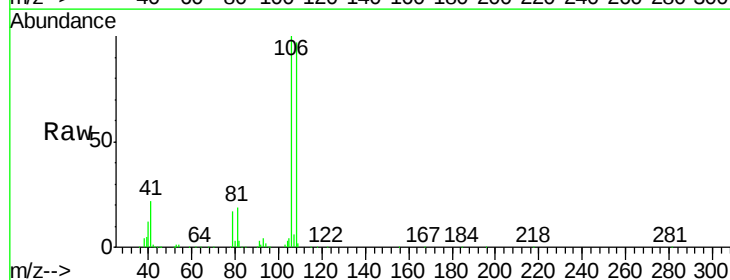
Tgt Ion: 108 Resp: 637256

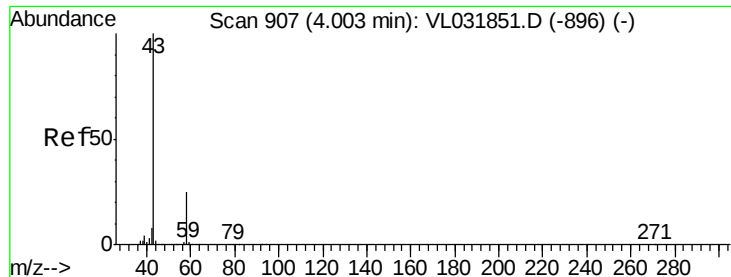
Ion Ratio Lower Upper

108 100

106 107.1 86.6 130.0

79 19.1 15.5 23.3





#15

Acetone

Concen: 7.63 ppbv

RT: 4.01 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

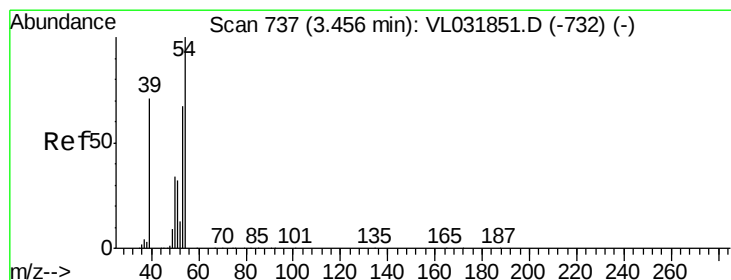
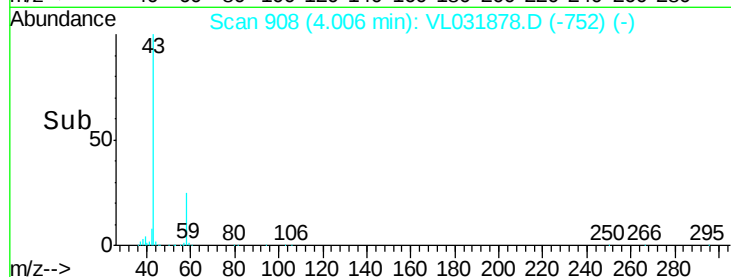
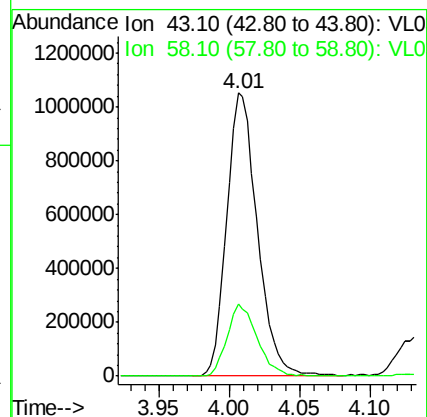
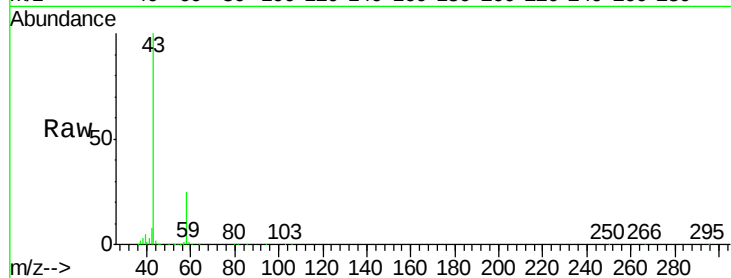
VSTDCCC010EC

Tgt Ion: 43 Resp: 1591936

Ion Ratio Lower Upper

43 100

58 25.0 20.9 31.3



#16

1,3-Butadiene

Concen: 8.88 ppbv

RT: 3.46 min Scan# 737

Delta R.T. -0.00 min

Lab File: VL031878.D

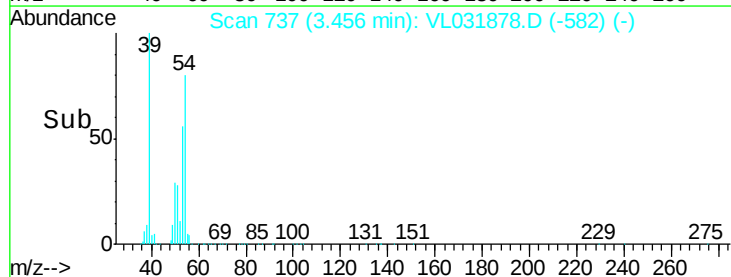
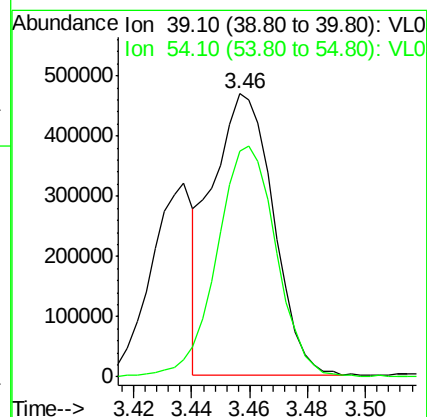
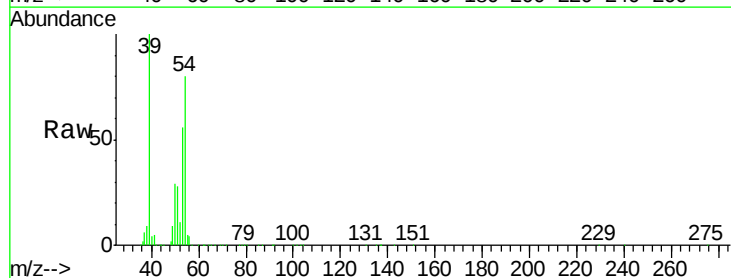
Acq: 12 Apr 2018 23:19

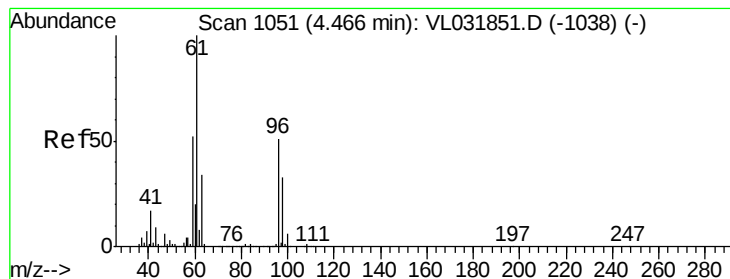
Tgt Ion: 39 Resp: 685750

Ion Ratio Lower Upper

39 100

54 80.0 63.3 94.9





#17

tert-Butyl alcohol

Concen: 7.73 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

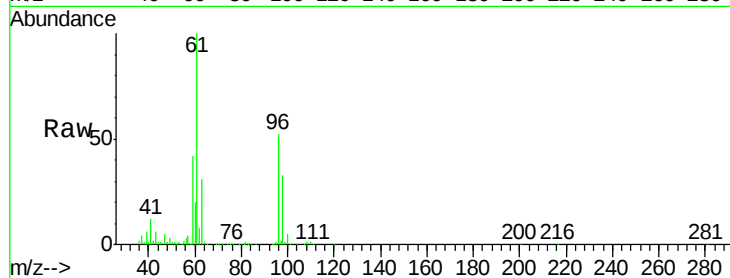
VSTDCCC010EC

Tgt Ion: 59 Resp: 666529

Ion Ratio Lower Upper

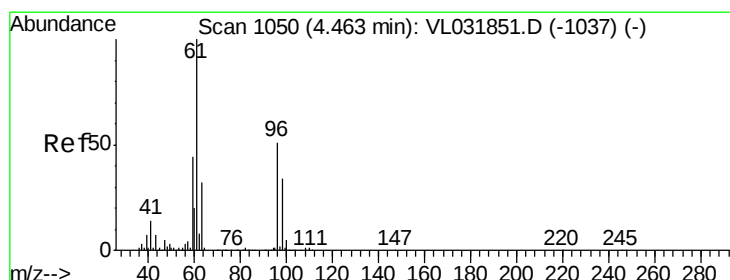
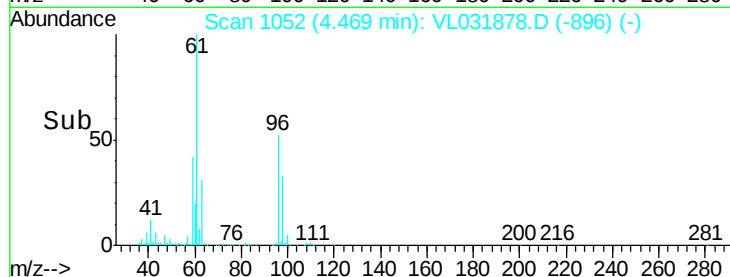
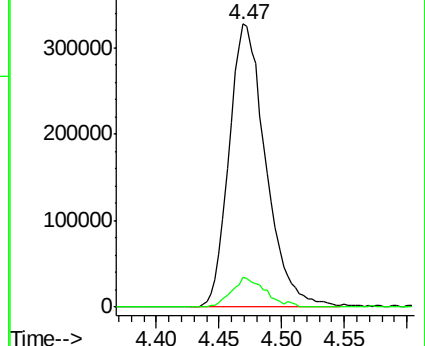
59 100

57 9.9 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 8.82 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

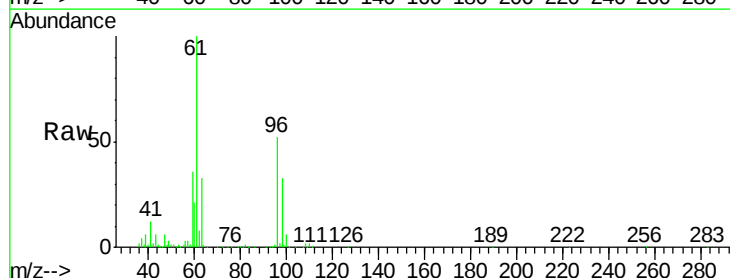
Tgt Ion: 96 Resp: 675103

Ion Ratio Lower Upper

96 100

61 193.7 161.0 241.6

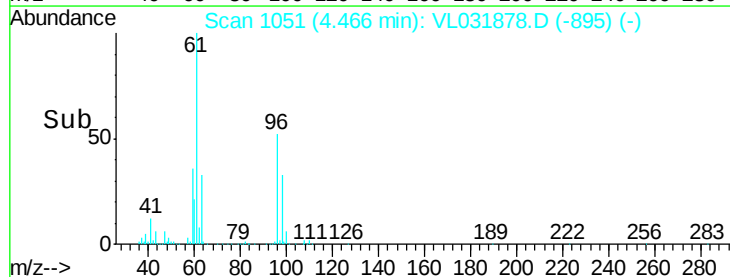
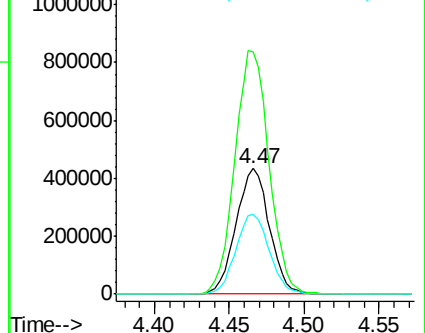
98 63.2 52.7 79.1

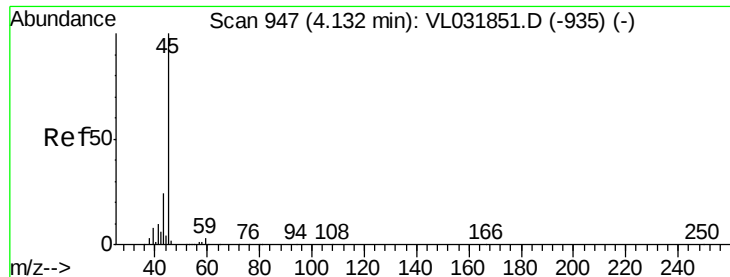


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 8.88 ppbv

RT: 4.13 min Scan# 946

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

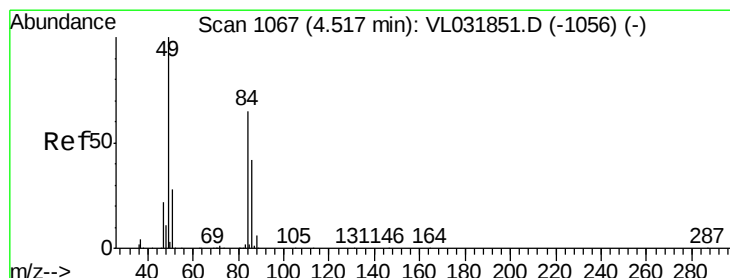
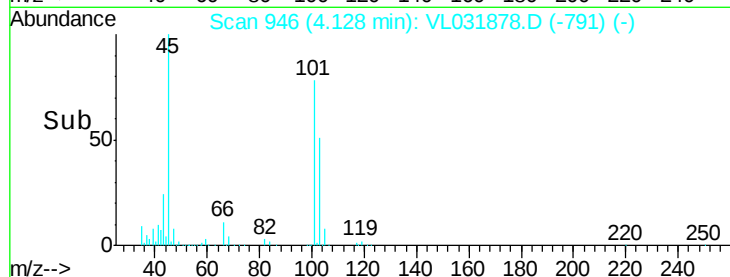
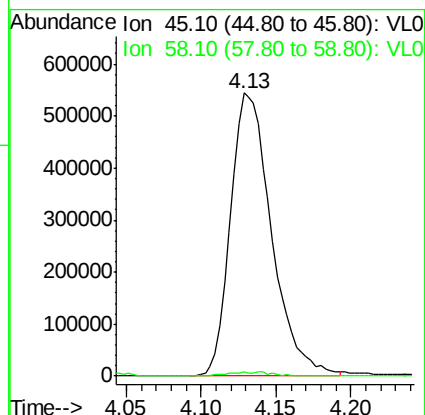
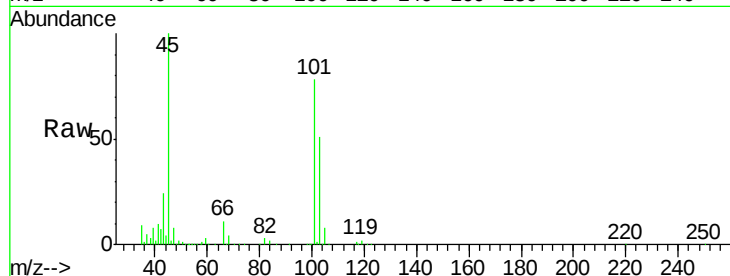
VSTDCCC010EC

Tgt Ion: 45 Resp: 1035127

Ion Ratio Lower Upper

45 100

58 1.7 1.7 2.5#



#20

Methylene Chloride

Concen: 8.16 ppbv

RT: 4.52 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Tgt Ion: 84 Resp: 620761

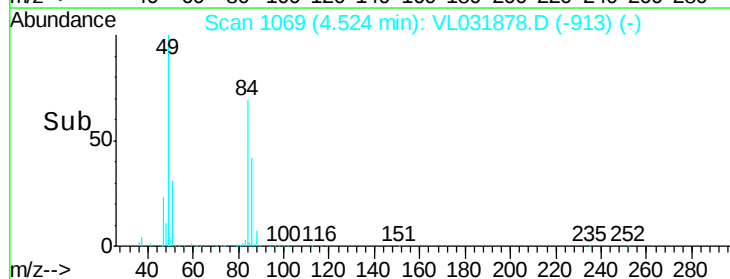
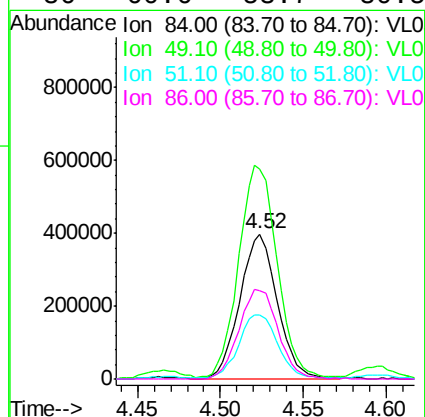
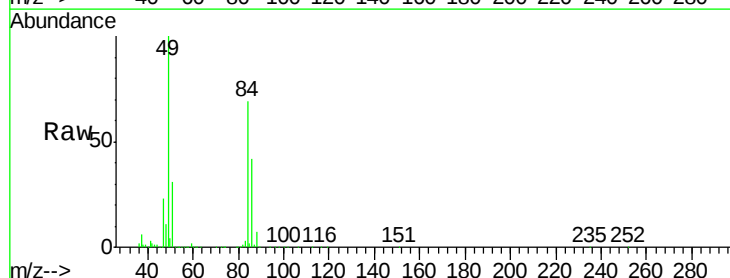
Ion Ratio Lower Upper

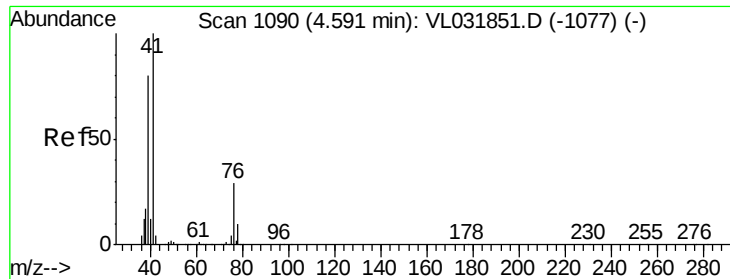
84 100

49 143.0 125.6 188.4

51 43.5 36.4 54.6

86 60.6 53.7 80.5

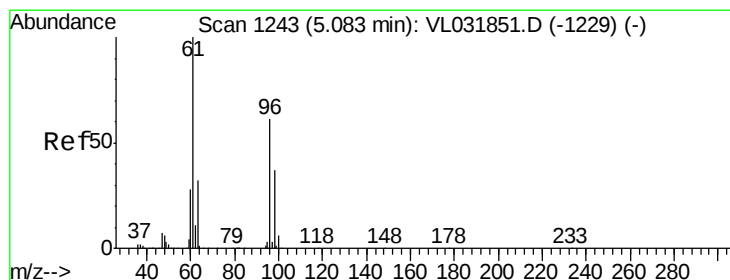
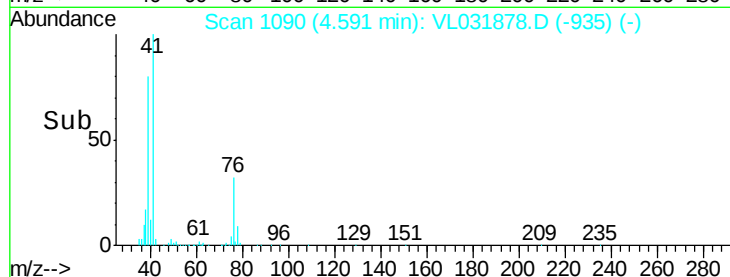
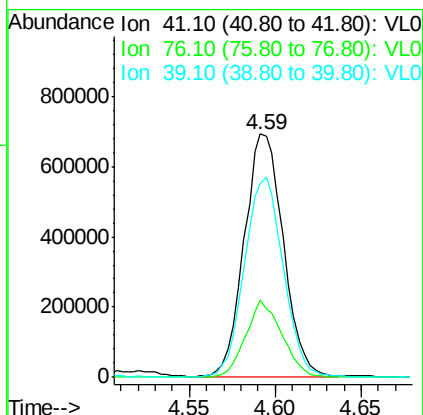
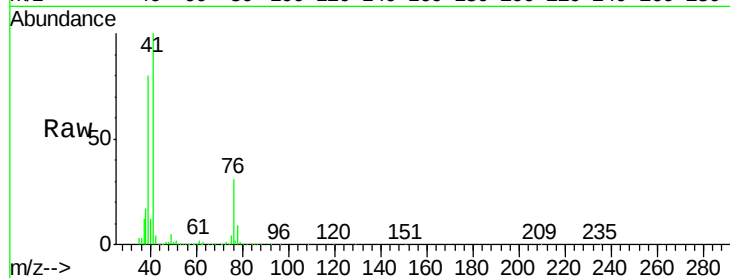




#21
 Allyl Chloride
 Concen: 9.16 ppbv
 RT: 4.59 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

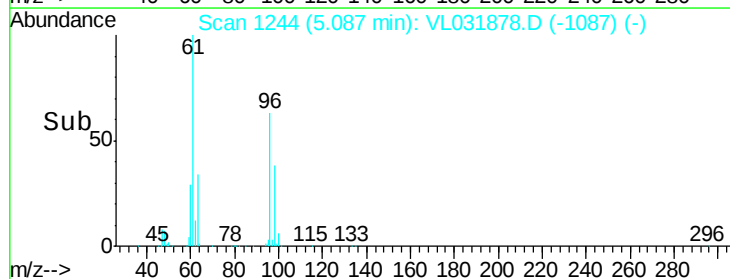
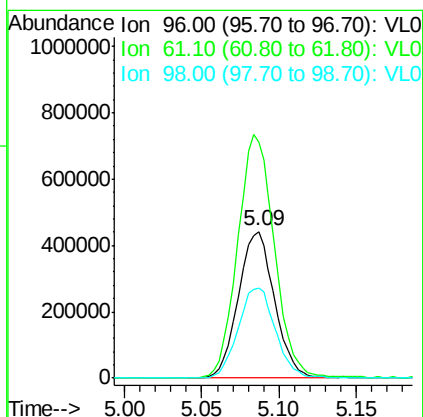
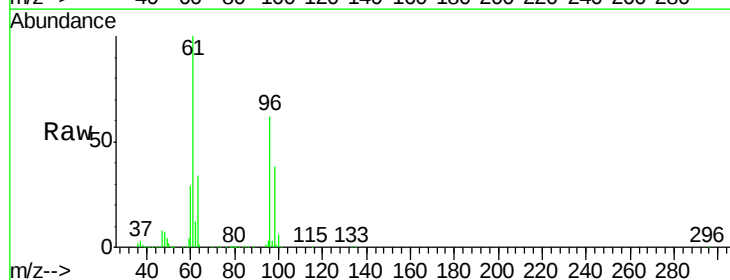
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

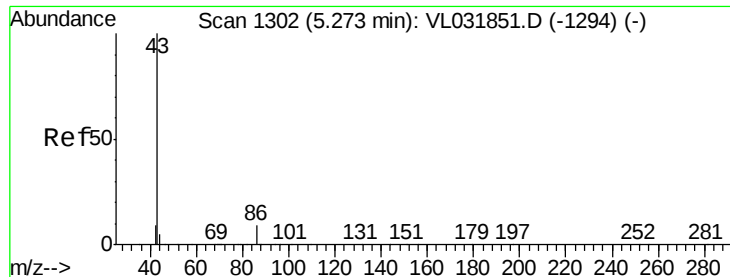
Tgt Ion: 41 Resp: 1092506
 Ion Ratio Lower Upper
 41 100
 76 29.6 23.4 35.2
 39 82.1 67.6 101.4



#22
 trans-1,2-Dichloroethene
 Concen: 9.05 ppbv
 RT: 5.09 min Scan# 1244
 Delta R.T. 0.01 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

Tgt Ion: 96 Resp: 718048
 Ion Ratio Lower Upper
 96 100
 61 160.8 131.1 196.7
 98 61.1 47.6 71.4





#23

Vinyl Acetate

Concen: 9.77 ppbv

RT: 5.28 min Scan# 1304

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2068193

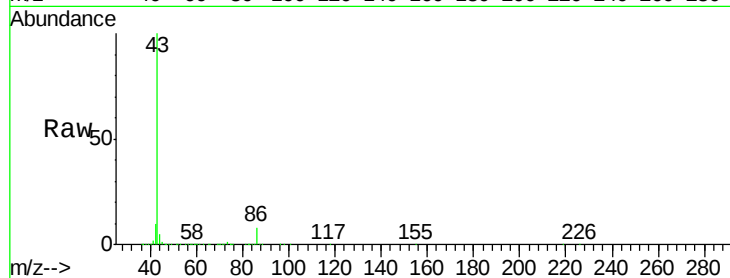
Ion Ratio Lower Upper

43 100

86 7.8 5.8 8.8

42 10.2 8.5 12.7

44 4.7 4.2 6.4

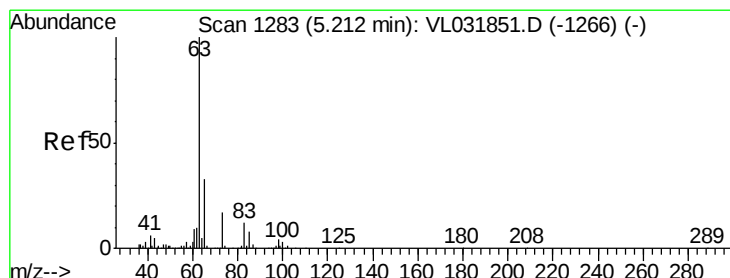
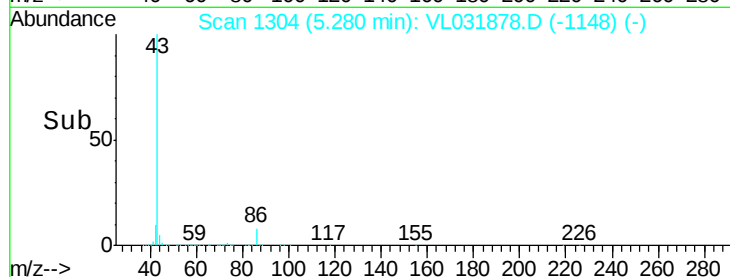
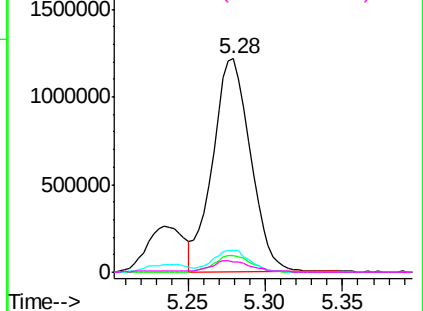


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.06 ppbv

RT: 5.22 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

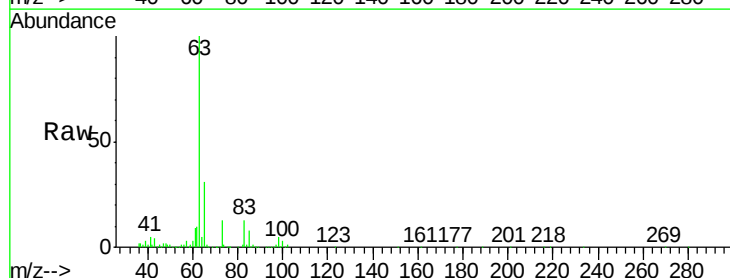
Tgt Ion: 63 Resp: 1910539

Ion Ratio Lower Upper

63 100

98 4.7 2.4 7.2

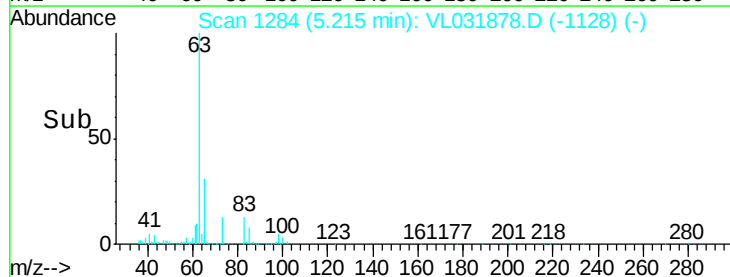
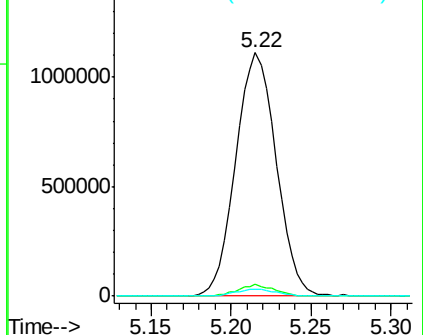
100 2.6 1.5 4.4

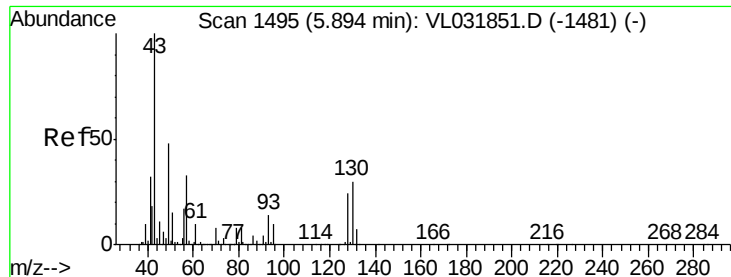


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



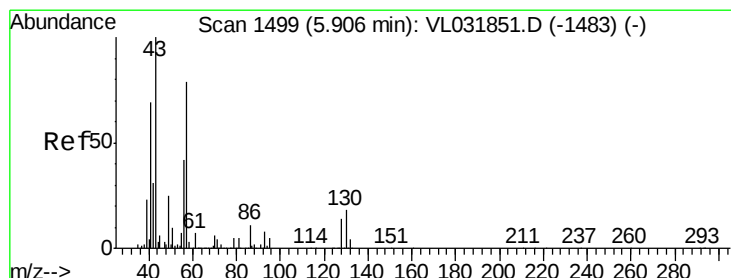
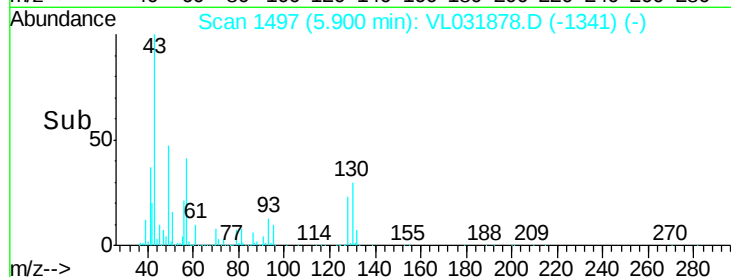
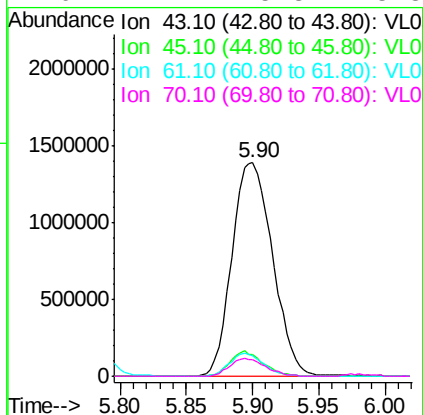
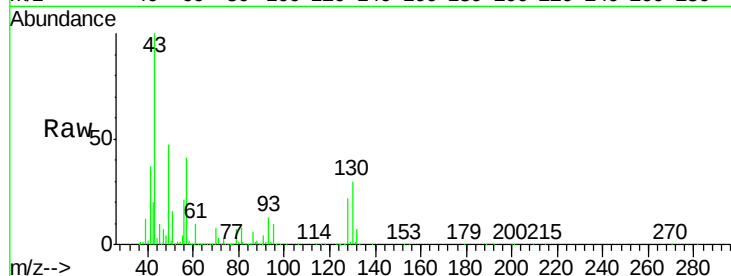


#25
Ethyl Acetate
Concen: 9.07 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2952678

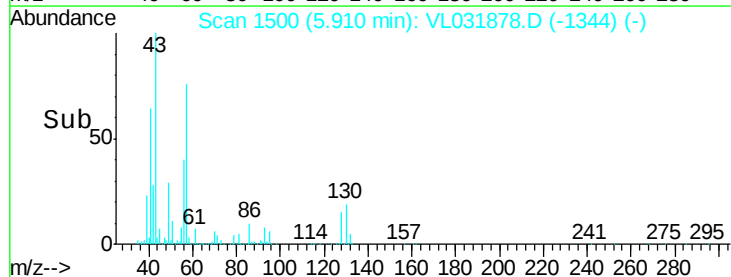
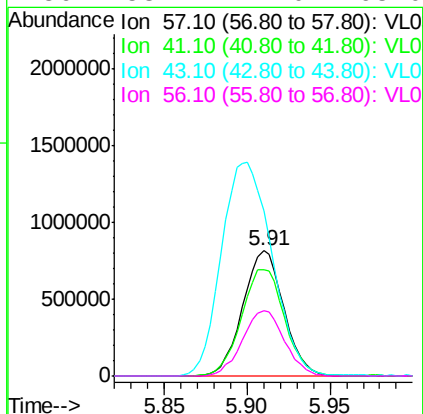
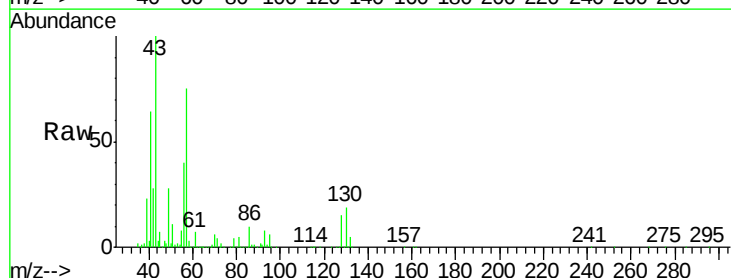
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.8	11.8
61	9.1	7.2	10.8
70	7.4	5.8	8.8

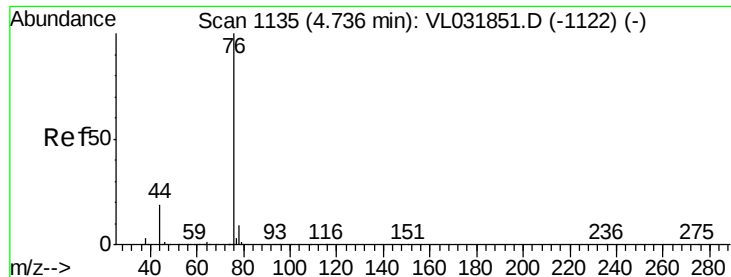


#26
Hexane
Concen: 9.23 ppbv
RT: 5.91 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 57 Resp: 1401774

Ion	Ratio	Lower	Upper
57	100		
41	90.6	72.0	108.0
43	211.6	169.8	254.8
56	53.7	42.0	63.0





#27

Carbon Disulfide

Concen: 9.00 ppbv

RT: 4.74 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

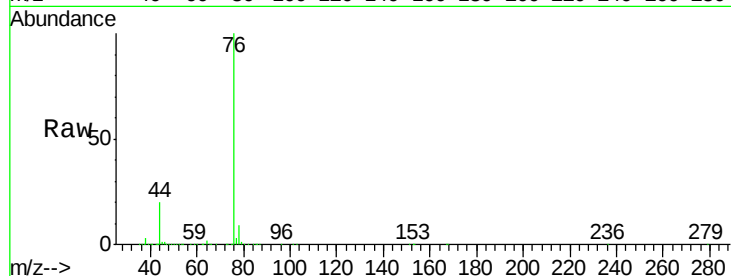
Tgt Ion: 76 Resp: 1773518

Ion Ratio Lower Upper

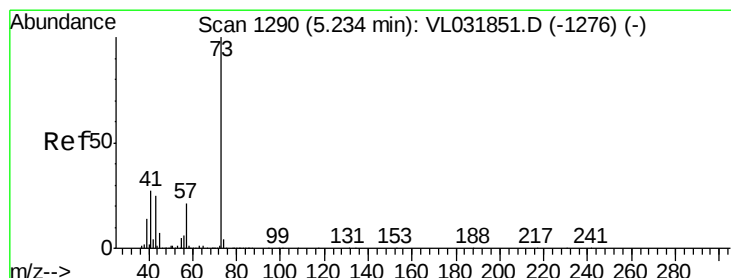
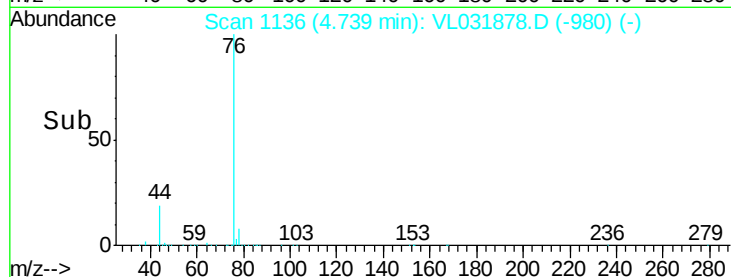
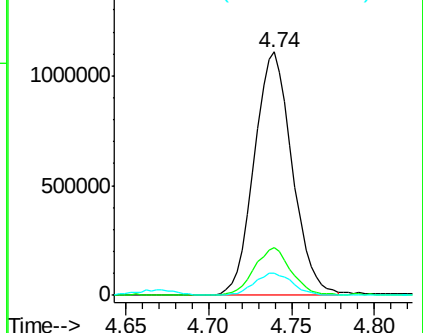
76 100

44 19.3 15.6 23.4

78 9.3 7.6 11.4



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



#28

Methyl tert-Butyl Ether

Concen: 9.68 ppbv

RT: 5.24 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VL031878.D

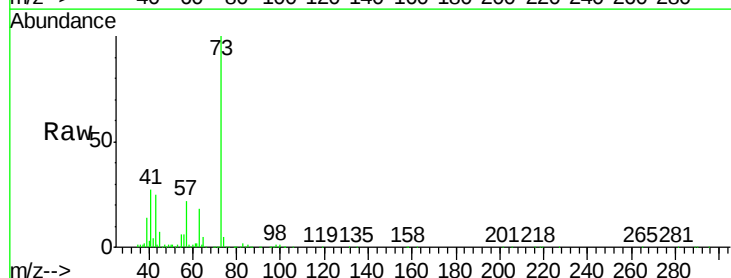
Acq: 12 Apr 2018 23:19

Tgt Ion: 73 Resp: 1808670

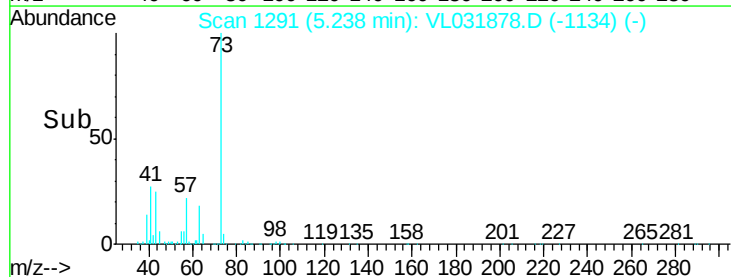
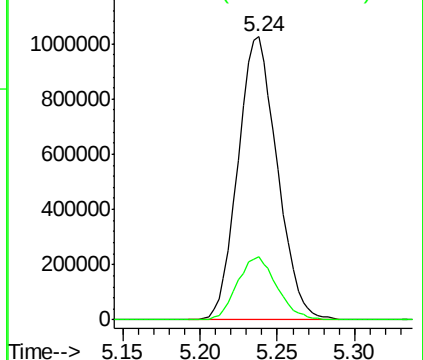
Ion Ratio Lower Upper

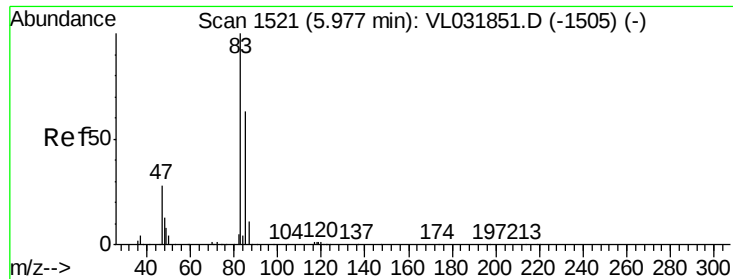
73 100

57 22.6 17.6 26.4



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





#29

Chloroform

Concen: 8.69 ppbv

RT: 5.98 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

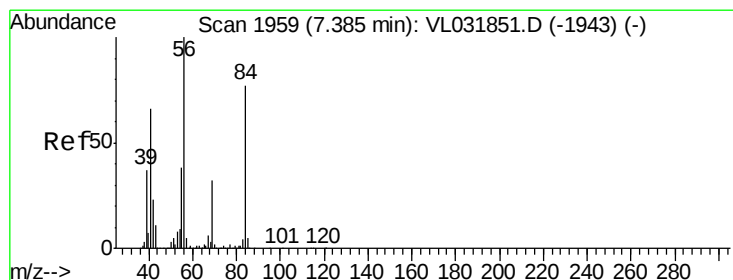
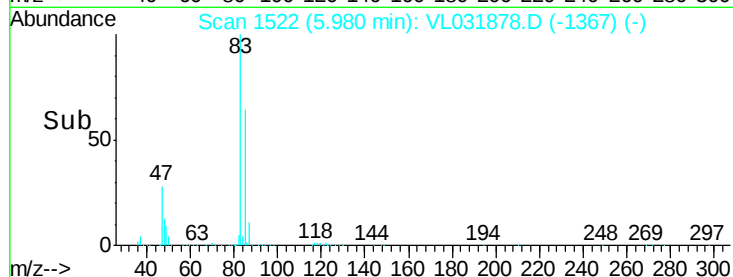
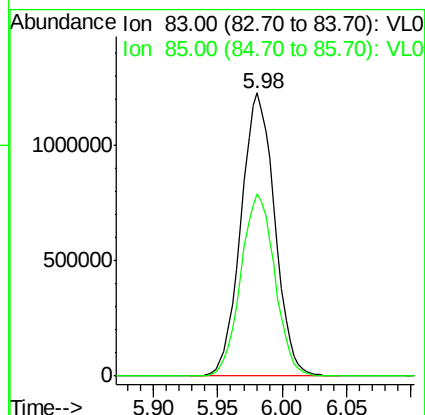
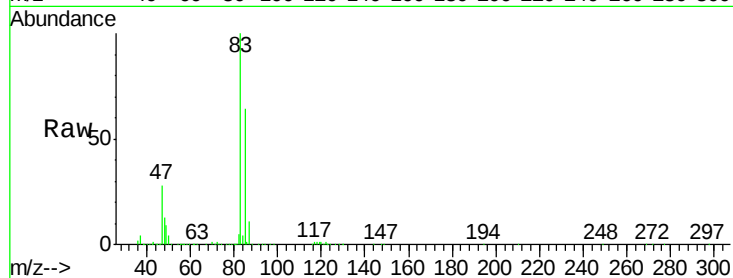
VSTDCCC010EC

Tgt Ion: 83 Resp: 2235923

Ion Ratio Lower Upper

83 100

85 64.3 51.4 77.0



#30

Cyclohexane

Concen: 9.18 ppbv

RT: 7.39 min Scan# 1961

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

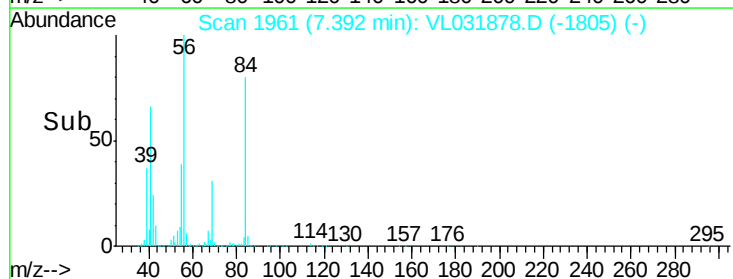
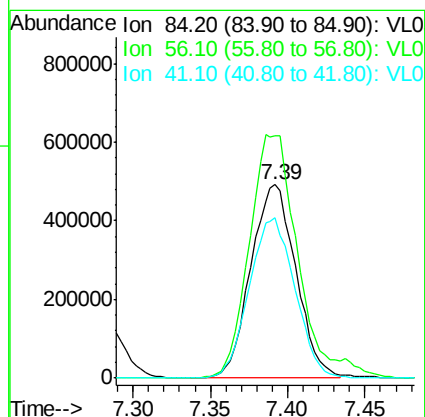
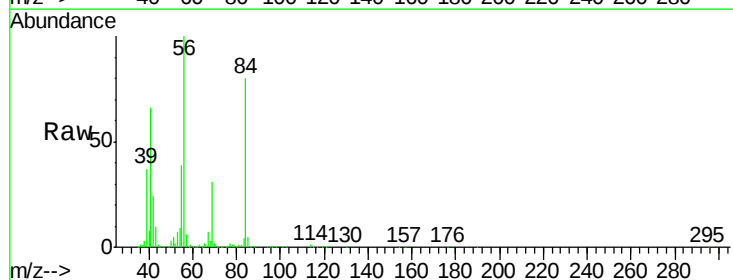
Tgt Ion: 84 Resp: 995520

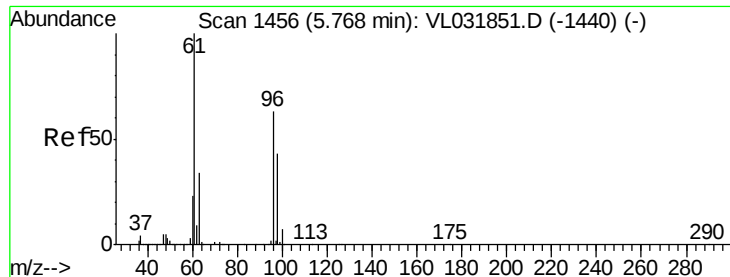
Ion Ratio Lower Upper

84 100

56 136.9 107.7 161.5

41 84.1 68.2 102.2





#31

cis-1,2-Dichloroethene

Concen: 9.49 ppbv

RT: 5.77 min Scan# 1456

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

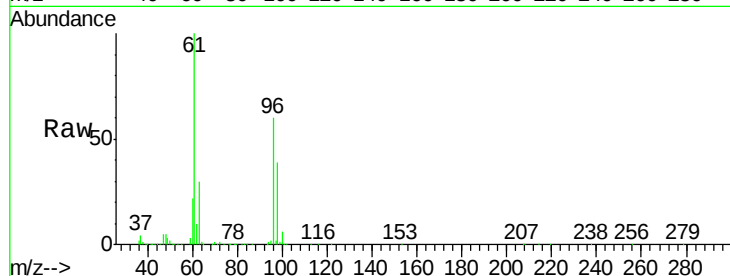
Tgt Ion: 61 Resp: 1304925

Ion Ratio Lower Upper

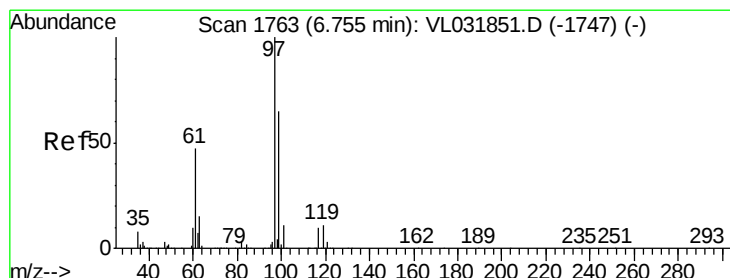
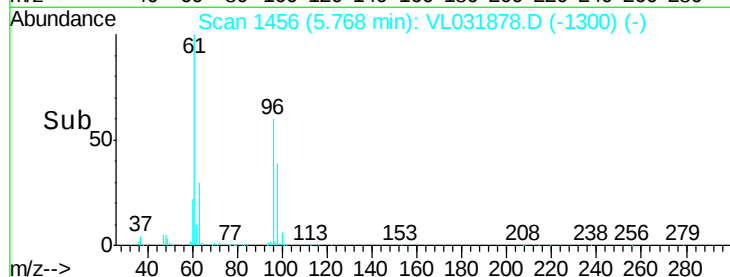
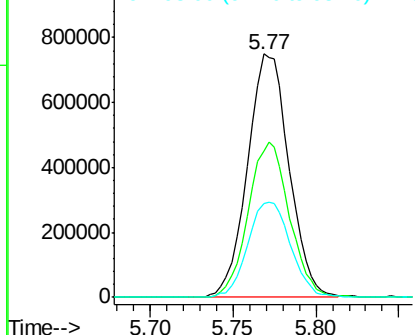
61 100

96 60.0 47.6 71.4

98 38.7 30.3 45.5



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: 8.05 ppbv

RT: 6.76 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

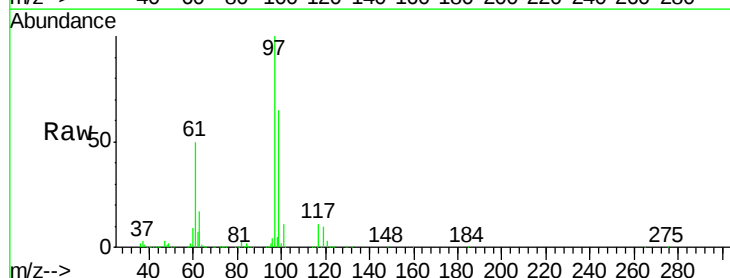
Tgt Ion: 97 Resp: 2018133

Ion Ratio Lower Upper

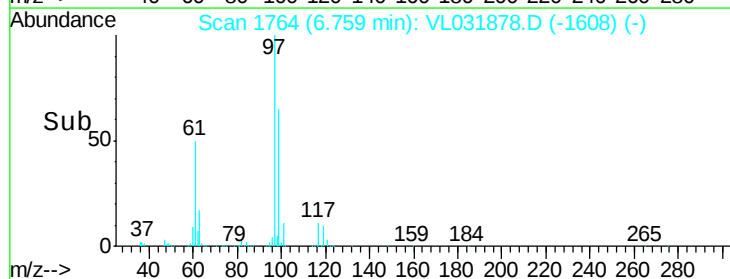
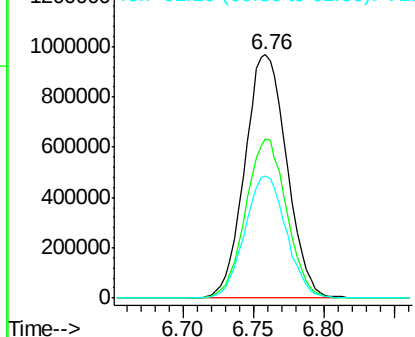
97 100

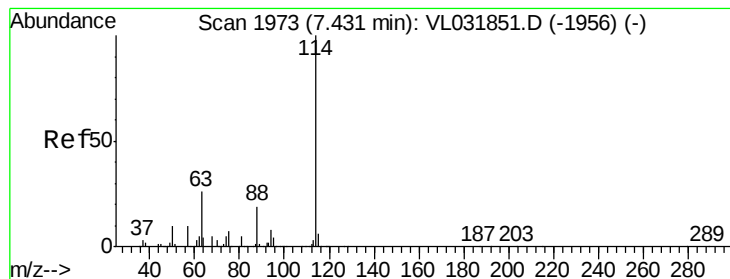
99 63.8 51.5 77.3

61 49.4 40.0 60.0



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: 7.43 min Scan# 1974

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

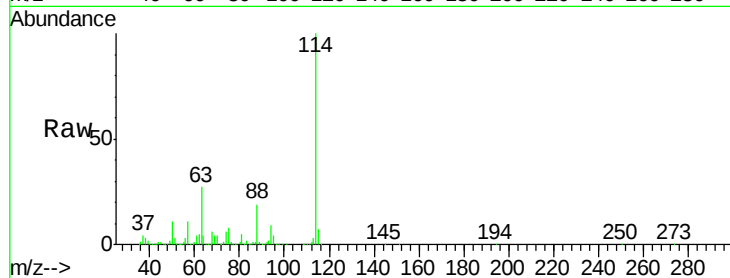
Tgt Ion:114 Resp: 2875168

Ion Ratio Lower Upper

114 100

63 27.3 21.8 32.6

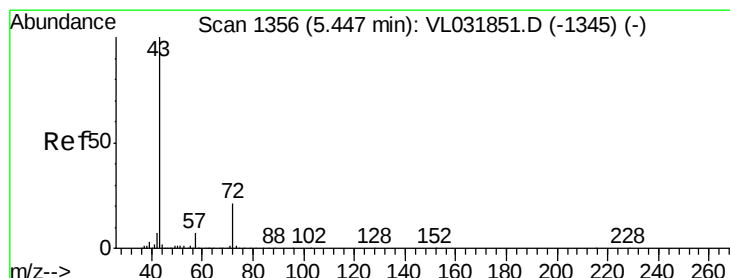
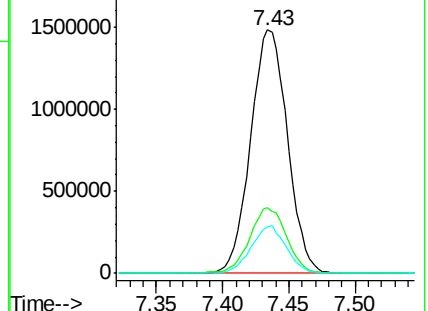
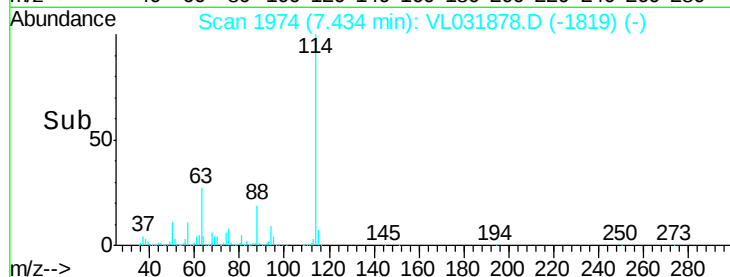
88 18.7 14.6 22.0



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.68 ppbv

RT: 5.46 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VL031878.D

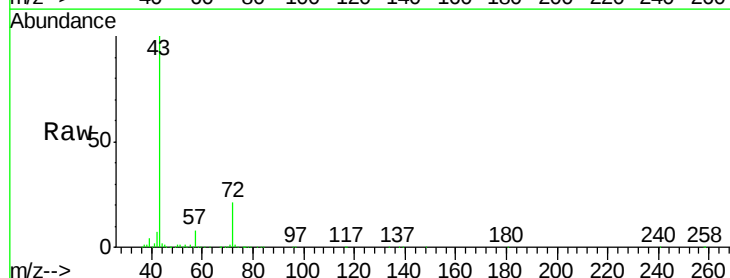
Acq: 12 Apr 2018 23:19

Tgt Ion: 43 Resp: 1931183

Ion Ratio Lower Upper

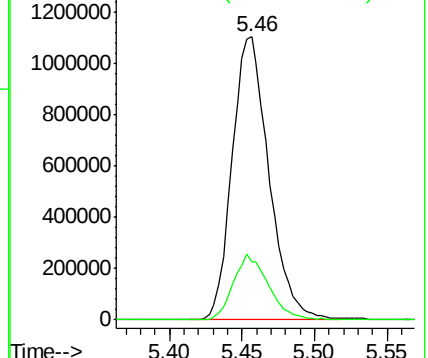
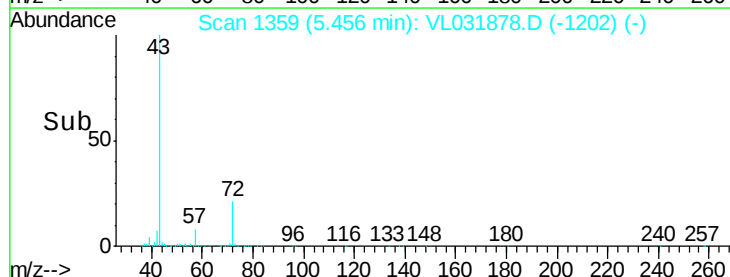
43 100

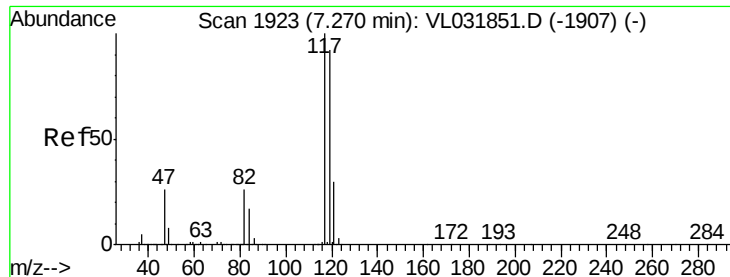
72 22.3 18.6 27.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 8.19 ppbv

RT: 7.28 min Scan# 1925

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

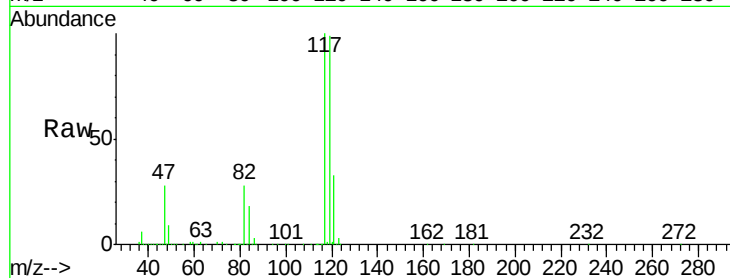
Tgt Ion:117 Resp: 2045099

Ion Ratio Lower Upper

117 100

119 99.1 76.9 115.3

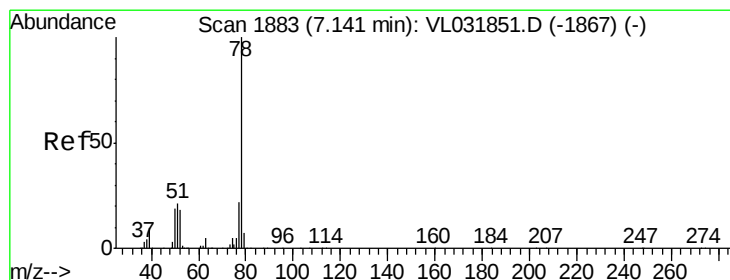
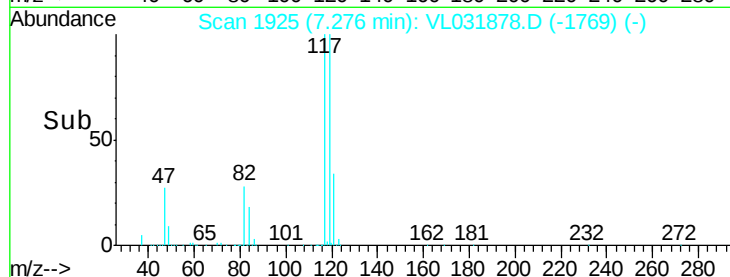
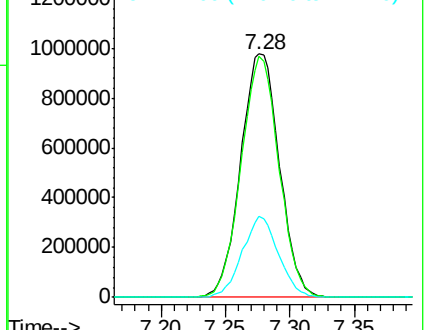
121 33.2 24.5 36.7



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: 9.32 ppbv

RT: 7.15 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

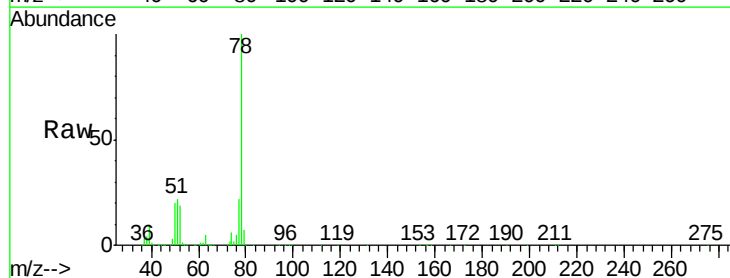
Tgt Ion: 78 Resp: 2410727

Ion Ratio Lower Upper

78 100

77 22.0 19.2 28.8

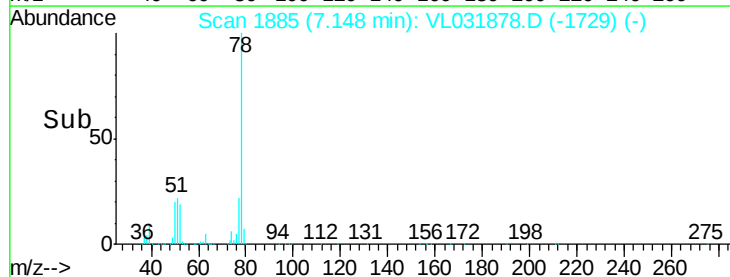
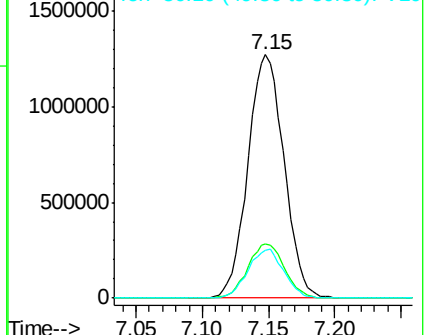
50 19.8 16.7 25.1

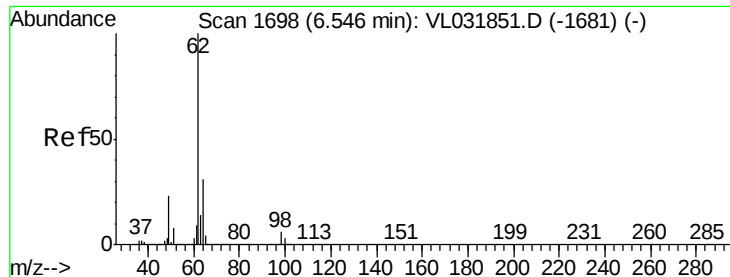


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

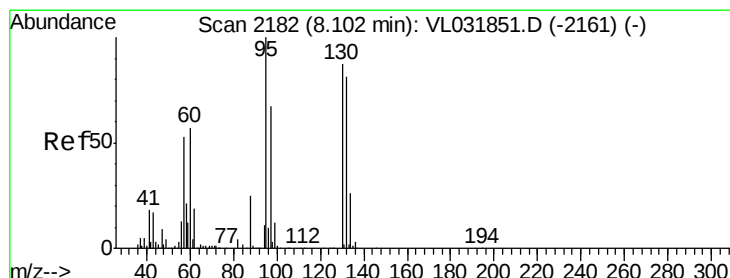
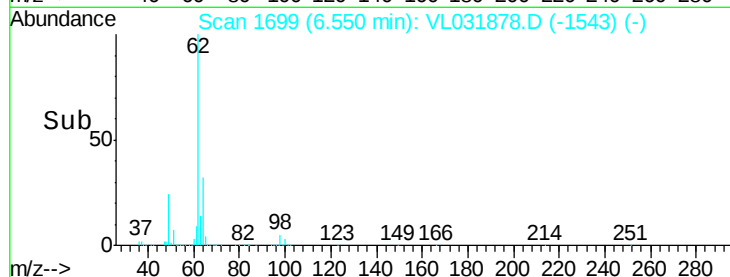
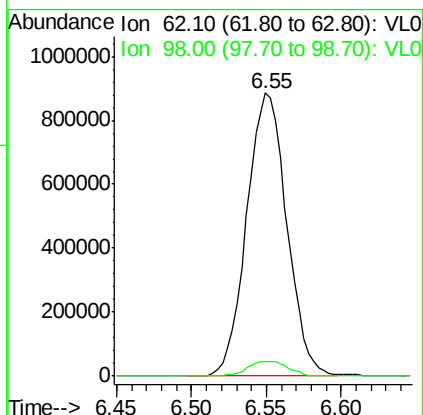
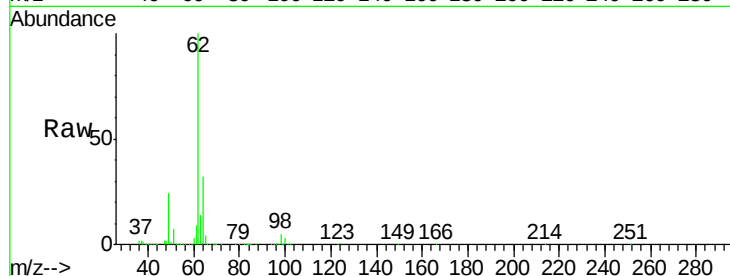




#37
 1,2-Dichloroethane
 Concen: 8.58 ppbv
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

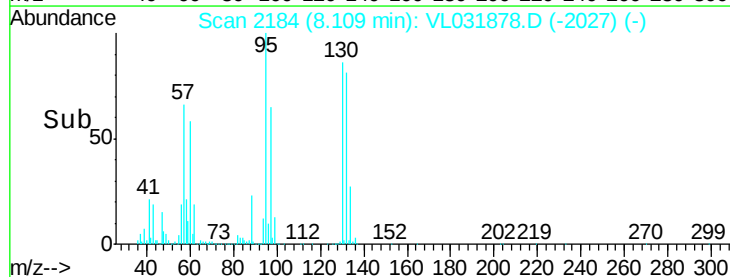
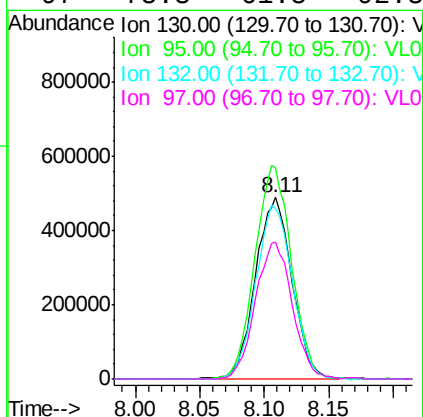
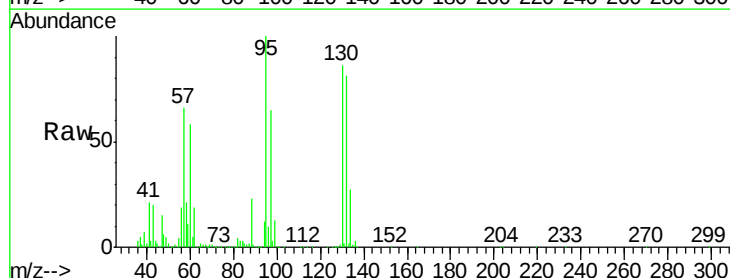
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

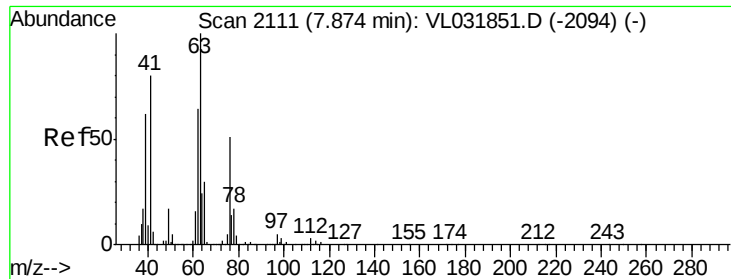
Tgt Ion: 62 Resp: 1650275
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.0 6.0



#38
 Trichloroethene
 Concen: 9.17 ppbv
 RT: 8.11 min Scan# 2184
 Delta R.T. 0.01 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

Tgt Ion: 130 Resp: 962234
 Ion Ratio Lower Upper
 130 100
 95 116.1 96.6 144.8
 132 93.6 79.1 118.7
 97 75.3 61.5 92.3

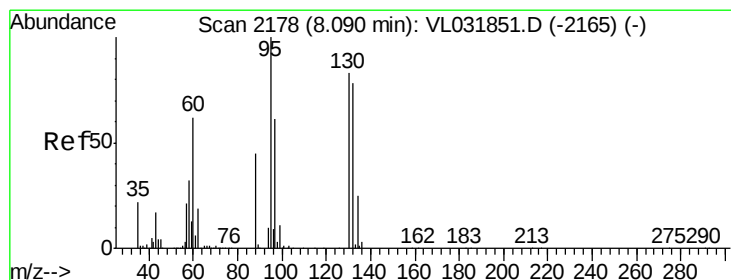
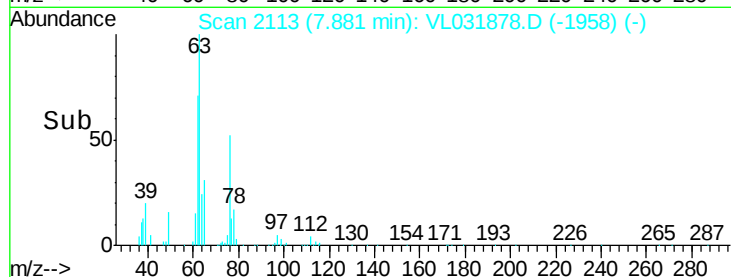
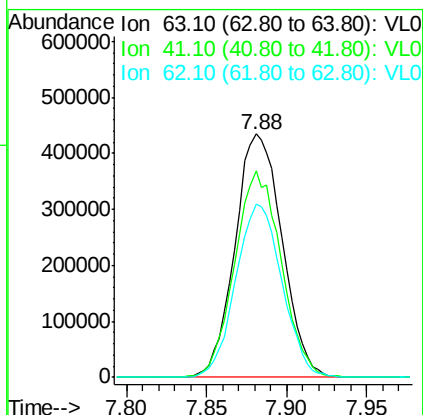
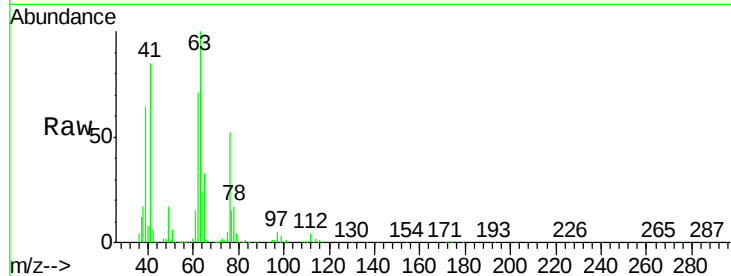




#39
 1,2-Dichloropropane
 Concen: 9.02 ppbv
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

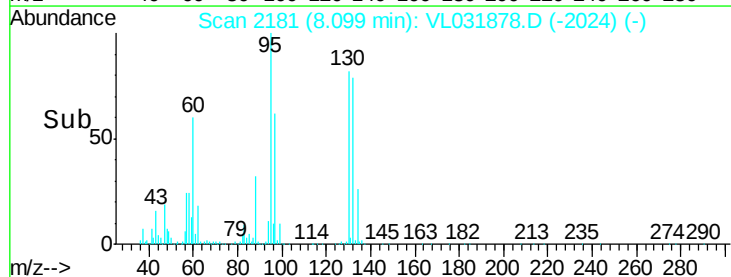
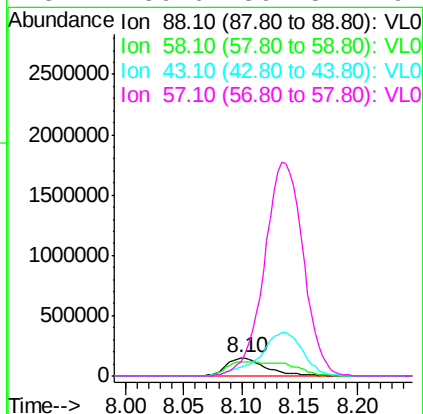
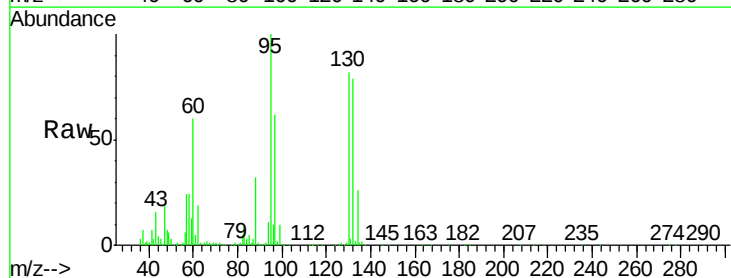
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

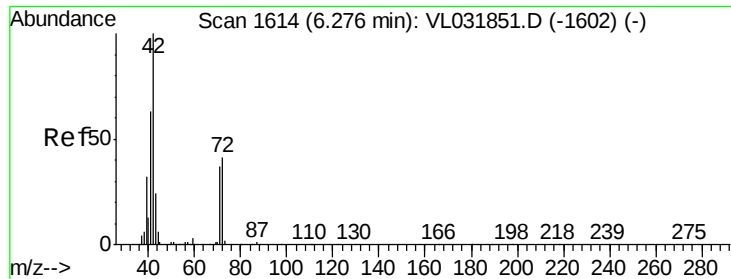
Tgt Ion	Ratio	Lower	Upper
63	100		
41	84.5	65.8	98.6
62	70.8	55.0	82.6



#40
 1,4-Dioxane
 Concen: 9.18 ppbv
 RT: 8.10 min Scan# 2181
 Delta R.T. 0.01 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.0	98.5	147.7
43	263.1	194.3	291.5
57	1156.0	861.8	1292.6

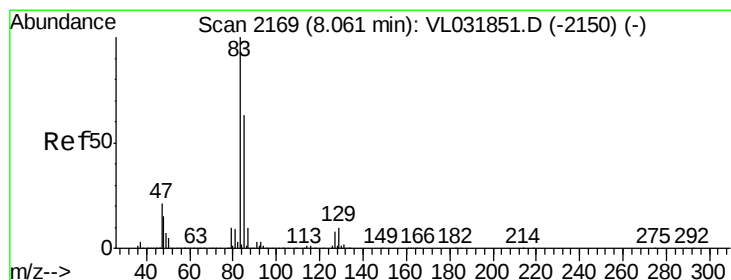
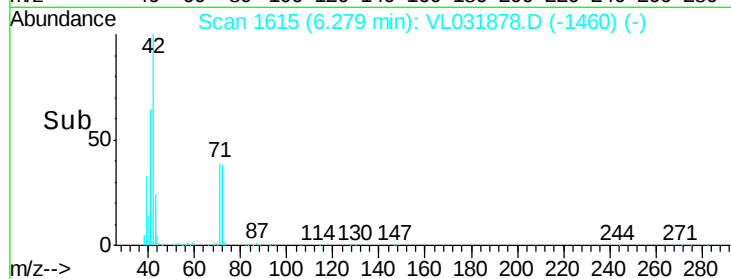
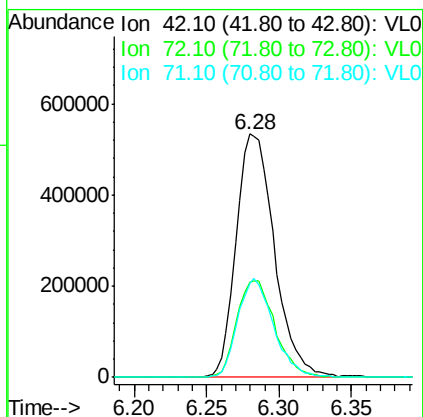
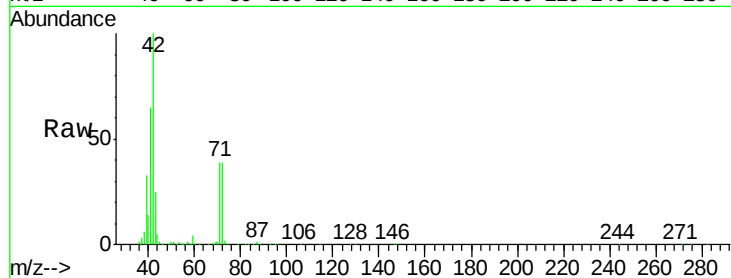




#41
Tetrahydrofuran
Concen: 10.61 ppbv
RT: 6.28 min Scan# 1615
Delta R.T. -0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

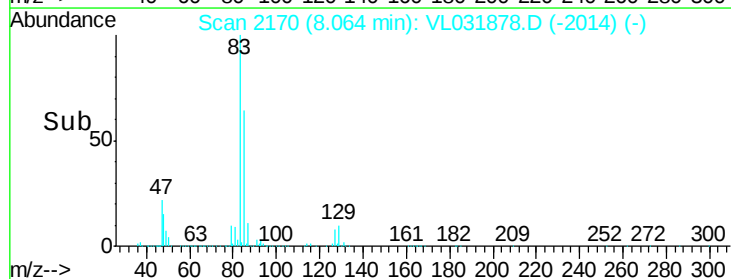
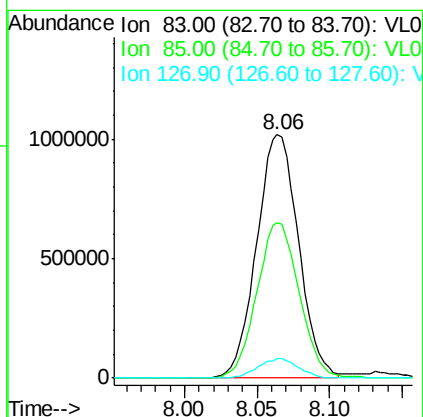
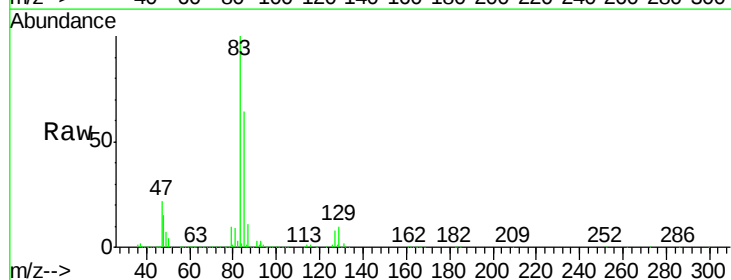
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

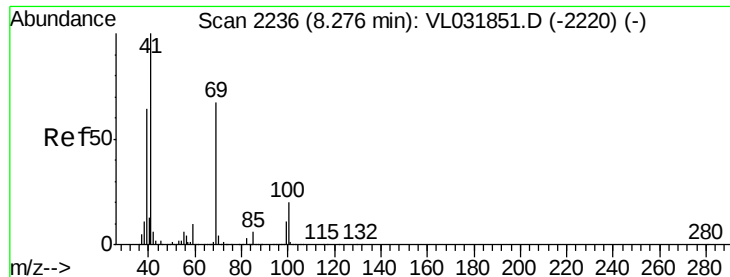
Tgt Ion: 42 Resp: 979450
Ion Ratio Lower Upper
42 100
72 40.0 33.2 49.8
71 38.4 31.5 47.3



#42
Bromodichloromethane
Concen: 8.92 ppbv
RT: 8.06 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 83 Resp: 2054628
Ion Ratio Lower Upper
83 100
85 64.0 50.5 75.7
127 8.1 6.0 9.0

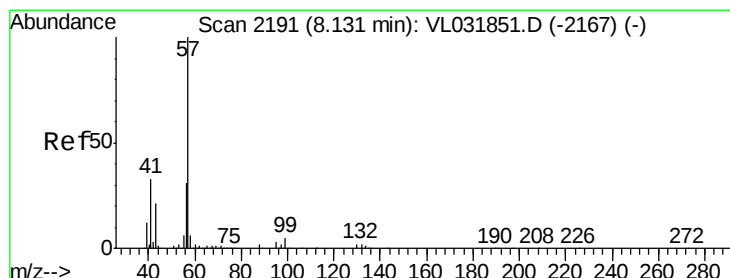
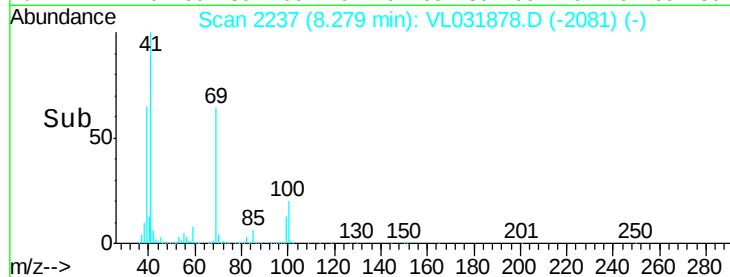
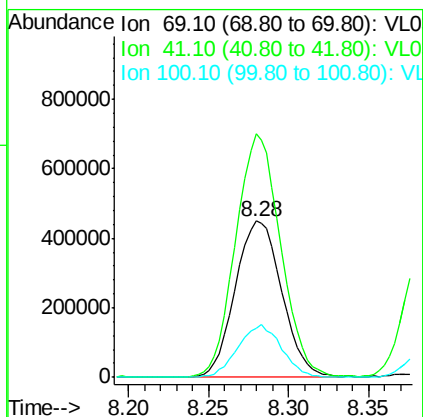
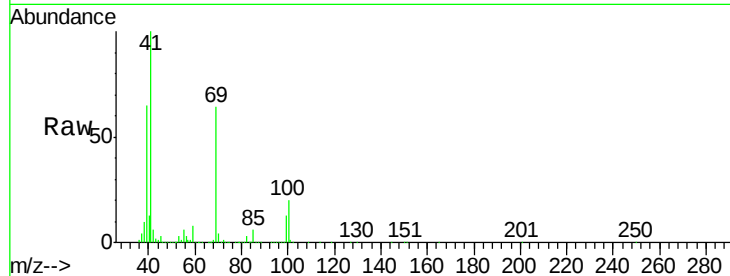




#43
Methyl Methacrylate
Concen: 9.79 ppbv
RT: 8.28 min Scan# 2237
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

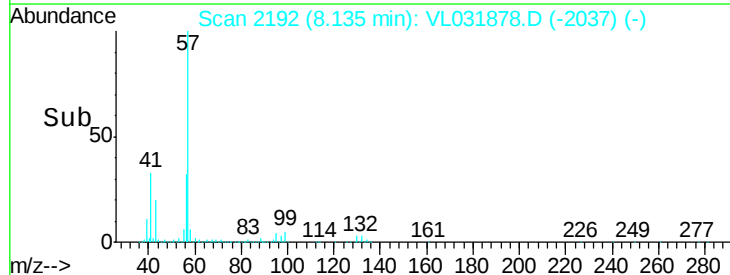
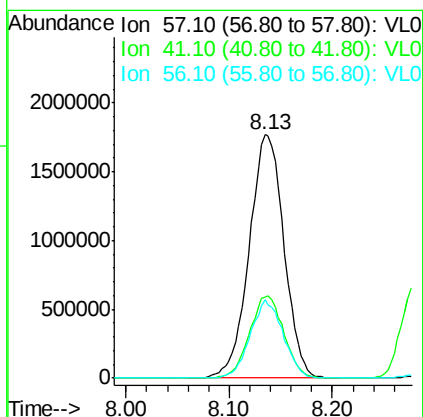
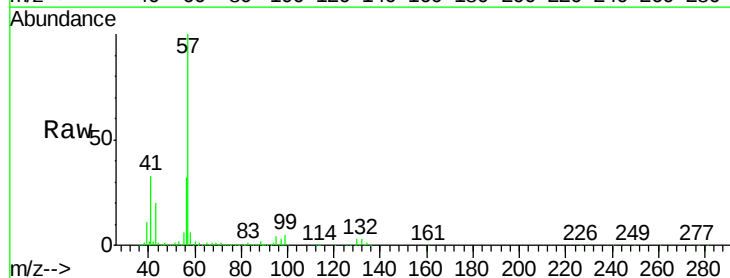
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

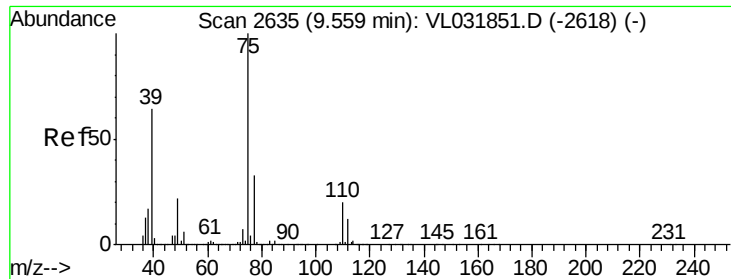
Tgt Ion: 69 Resp: 891064
Ion Ratio Lower Upper
69 100
41 150.9 117.8 176.8
100 32.0 24.6 37.0



#44
2,2,4-Trimethylpentane
Concen: 9.29 ppbv
RT: 8.13 min Scan# 2192
Delta R.T. -0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 57 Resp: 4136898
Ion Ratio Lower Upper
57 100
41 33.4 27.0 40.6
56 30.5 24.1 36.1

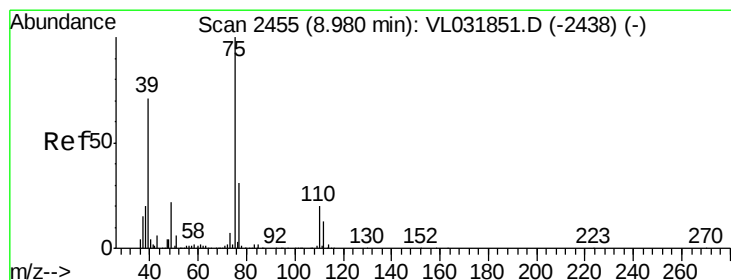
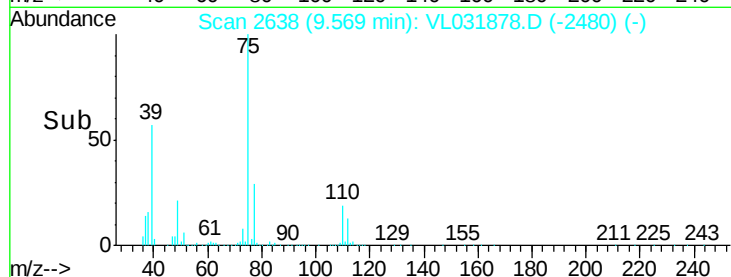
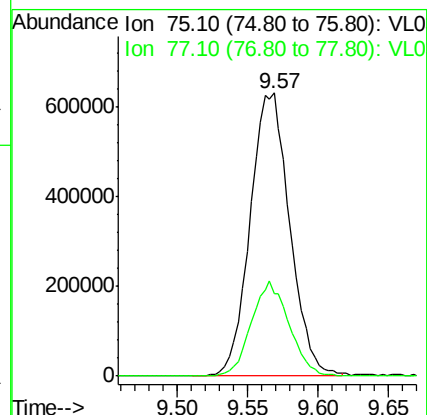
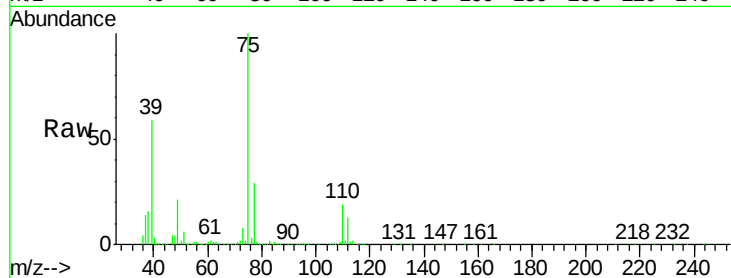




#45
t-1,3-Dichloropropene
Concen: 10.53 ppbv
RT: 9.57 min Scan# 2638
Delta R.T. 0.01 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

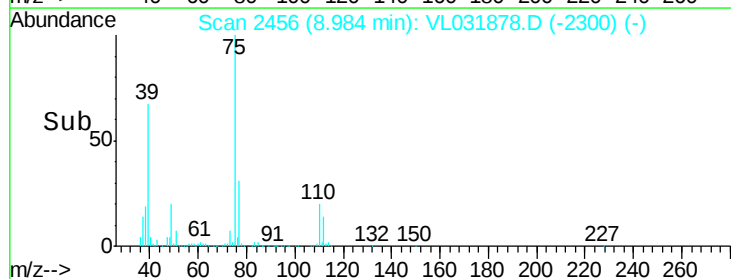
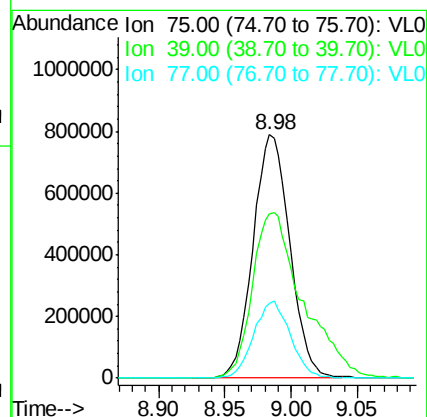
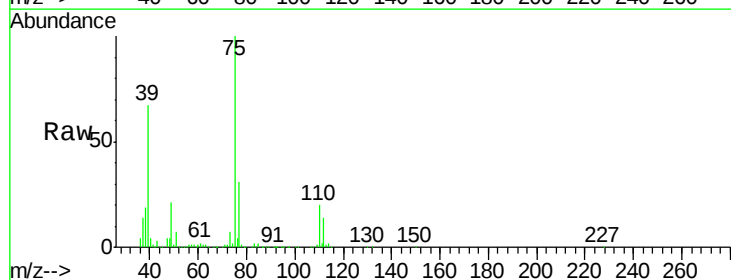
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

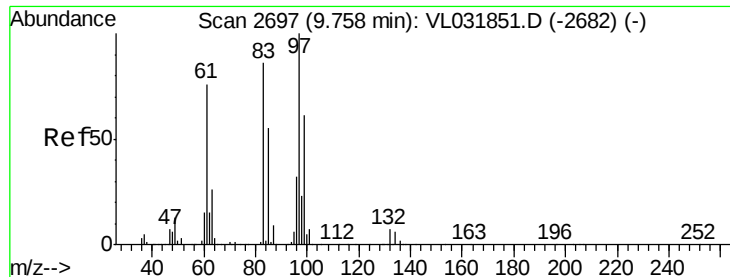
Tgt Ion: 75 Resp: 1242698
Ion Ratio Lower Upper
75 100
77 29.3 25.1 37.7



#46
cis-1,3-Dichloropropene
Concen: 10.11 ppbv
RT: 8.98 min Scan# 2456
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 75 Resp: 1524714
Ion Ratio Lower Upper
75 100
39 67.2 58.6 87.8
77 30.8 26.8 40.2





#47

1,1,2-Trichloroethane

Concen: 8.88 ppbv

RT: 9.77 min Scan# 2700

Delta R.T. 0.01 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1014421

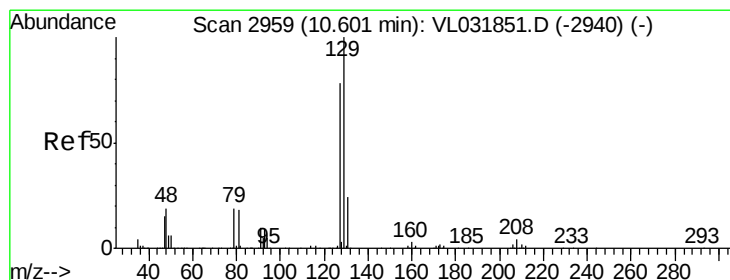
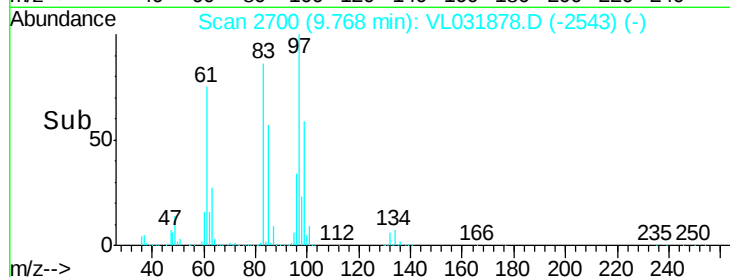
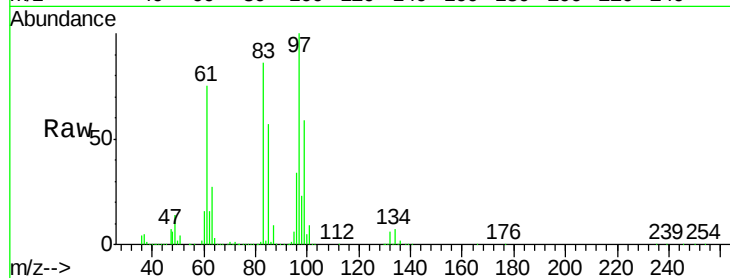
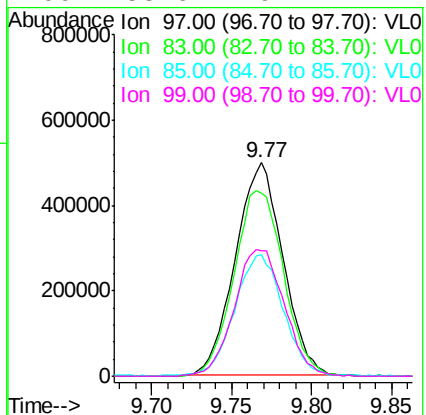
Ion	Ratio	Lower	Upper
97	100		
83	85.5	69.1	103.7
85	56.5	43.7	65.5
99	58.6	49.4	74.2

97 100

83 85.5 69.1 103.7

85 56.5 43.7 65.5

99 58.6 49.4 74.2



#48

Dibromochloromethane

Concen: 9.29 ppbv

RT: 10.61 min Scan# 2961

Delta R.T. 0.00 min

Lab File: VL031878.D

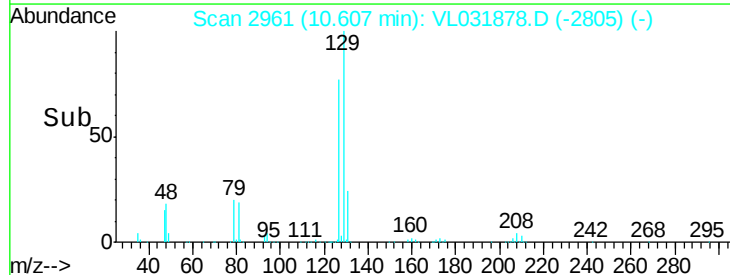
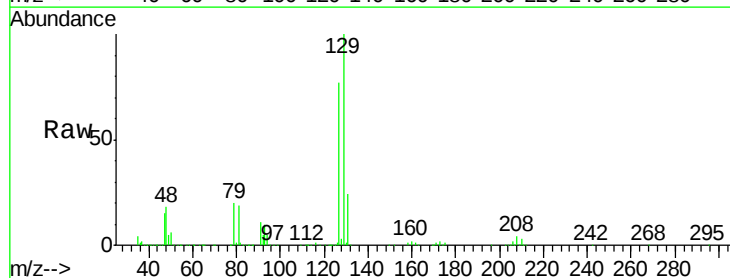
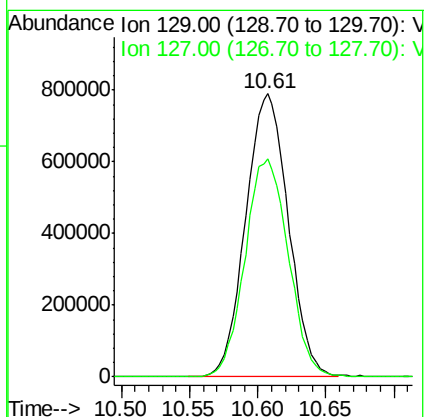
Acq: 12 Apr 2018 23:19

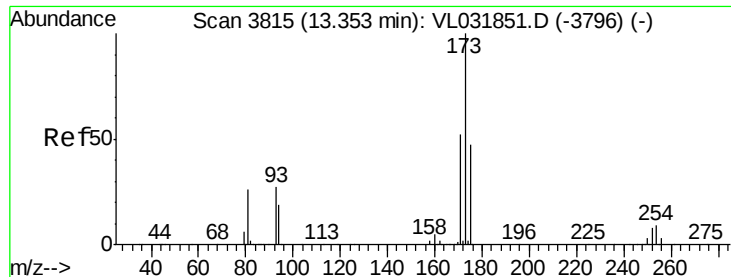
Tgt Ion: 129 Resp: 1714915

Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.5

129 100

127 78.3 39.1 117.5





#49

Bromoform

Concen: 9.41 ppbv

RT: 13.36 min Scan# 3817

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

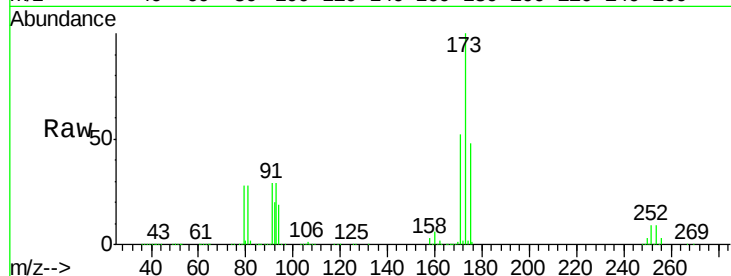
Tgt Ion:173 Resp: 1337147

Ion Ratio Lower Upper

173 100

175 48.3 39.0 58.6

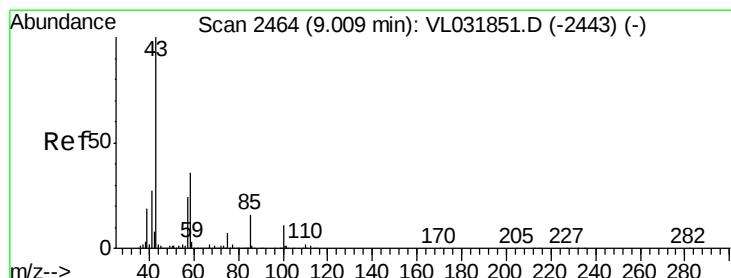
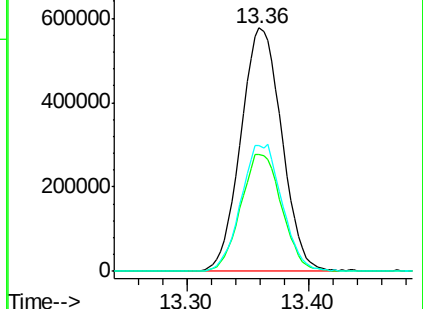
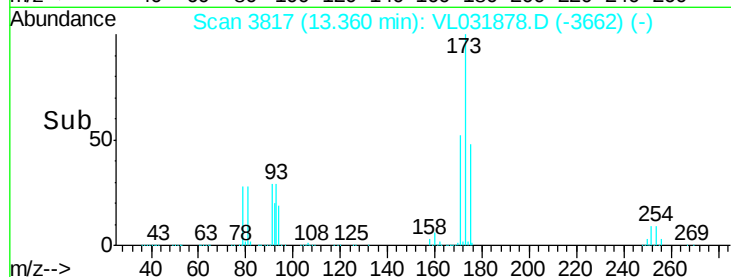
171 52.5 41.4 62.0



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: 9.19 ppbv

RT: 9.02 min Scan# 2467

Delta R.T. 0.00 min

Lab File: VL031878.D

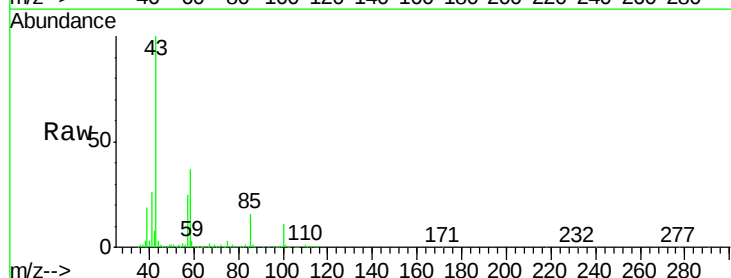
Acq: 12 Apr 2018 23:19

Tgt Ion: 43 Resp: 2098054

Ion Ratio Lower Upper

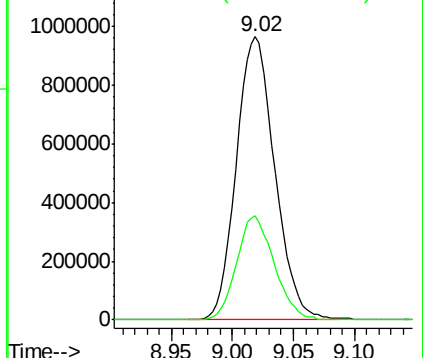
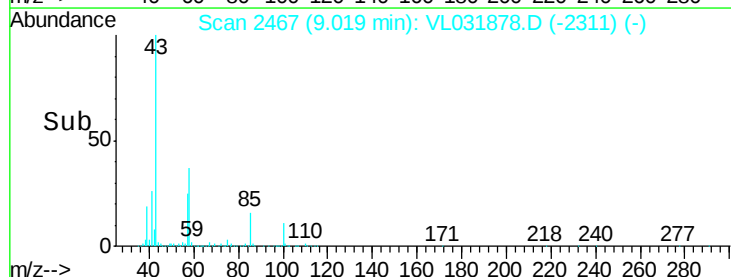
43 100

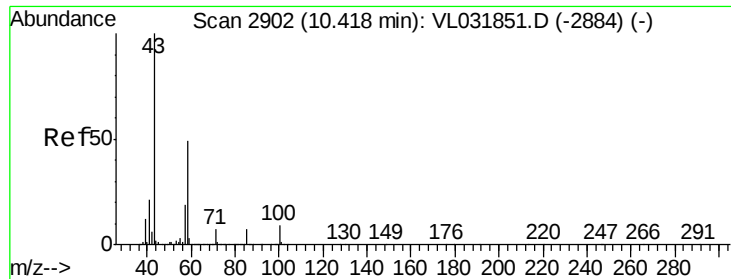
58 36.1 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 9.36 ppbv

RT: 10.42 min Scan# 2903

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

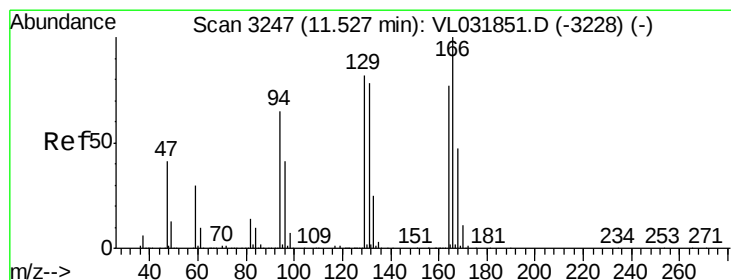
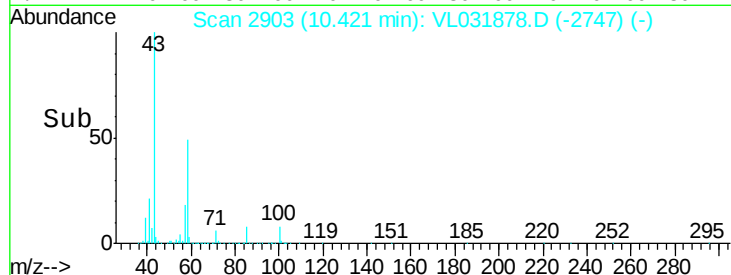
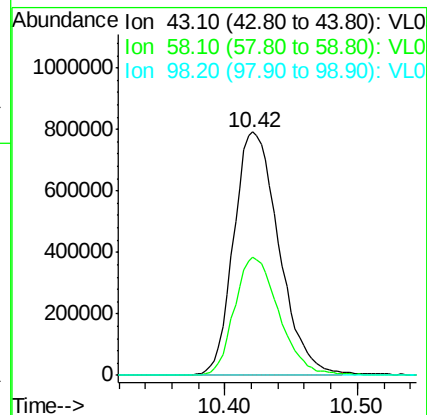
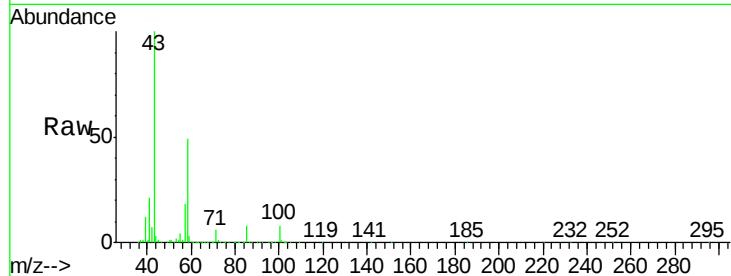
Tgt Ion: 43 Resp: 1868180

Ion Ratio Lower Upper

43 100

58 48.1 38.5 57.7

98 0.4 0.2 0.4#



#52

Tetrachloroethene

Concen: 8.78 ppbv

RT: 11.53 min Scan# 3248

Delta R.T. 0.01 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Tgt Ion: 164 Resp: 884332

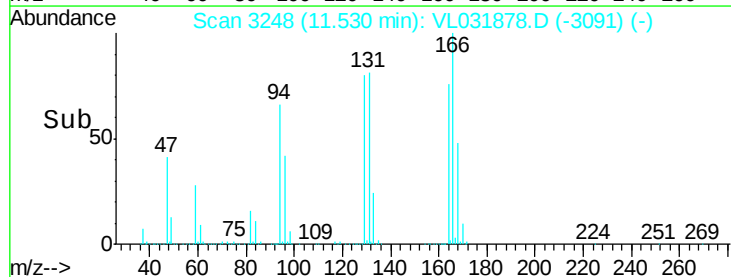
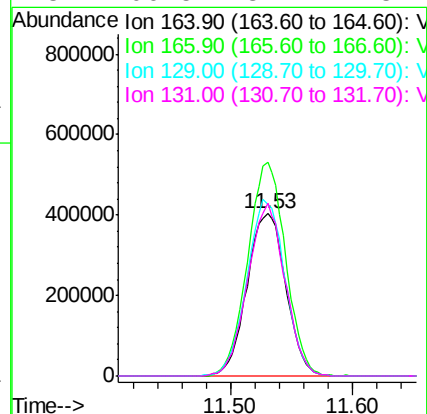
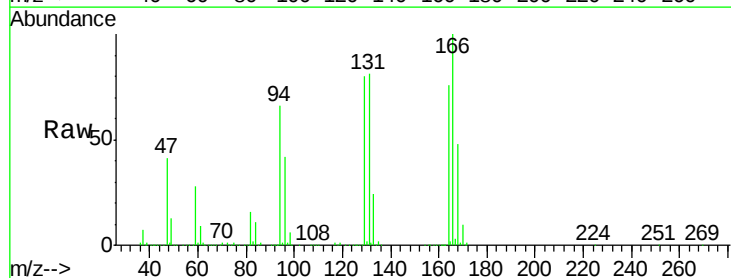
Ion Ratio Lower Upper

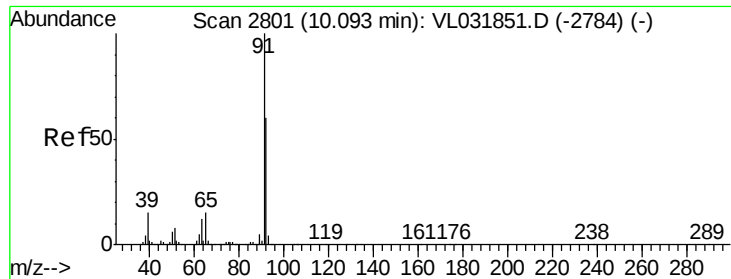
164 100

166 131.6 98.2 147.4

129 105.6 86.5 129.7

131 106.5 82.2 123.2





#53

Toluene

Concen: 9.92 ppbv

RT: 10.10 min Scan# 2803

Delta R.T. 0.01 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

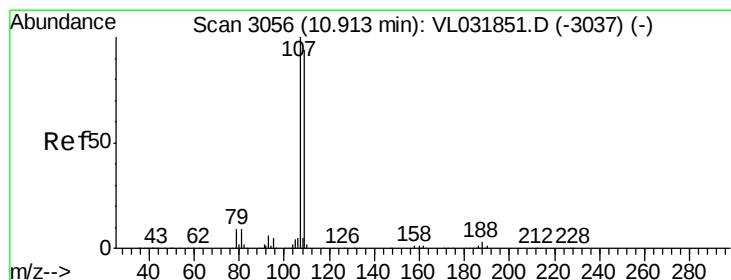
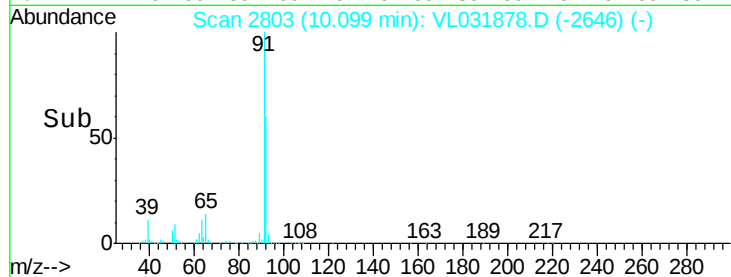
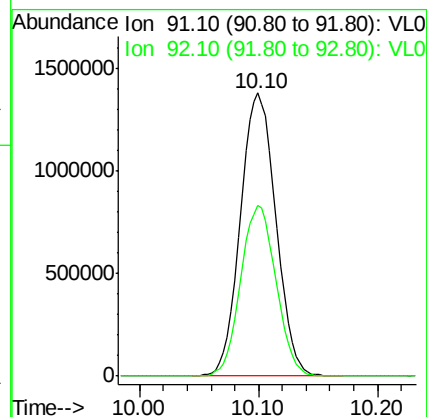
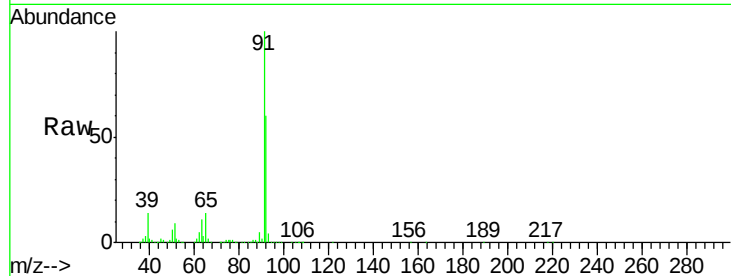
VSTDCCC010EC

Tgt Ion: 91 Resp: 2859491

Ion Ratio Lower Upper

91 100

92 60.1 47.4 71.2



#54

1,2-Dibromoethane

Concen: 9.27 ppbv

RT: 10.92 min Scan# 3057

Delta R.T. 0.01 min

Lab File: VL031878.D

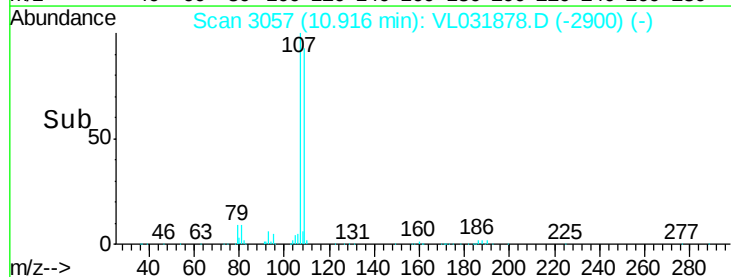
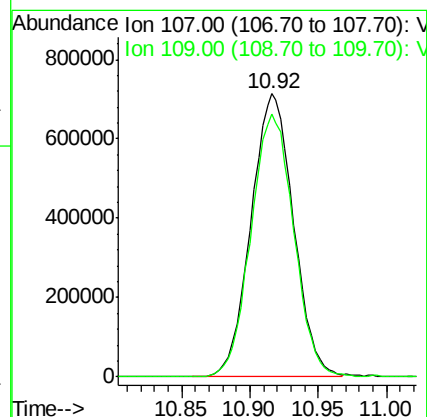
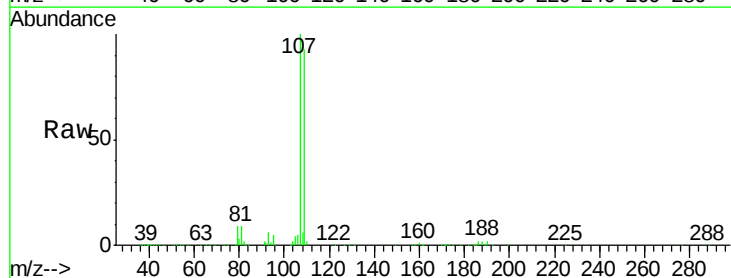
Acq: 12 Apr 2018 23:19

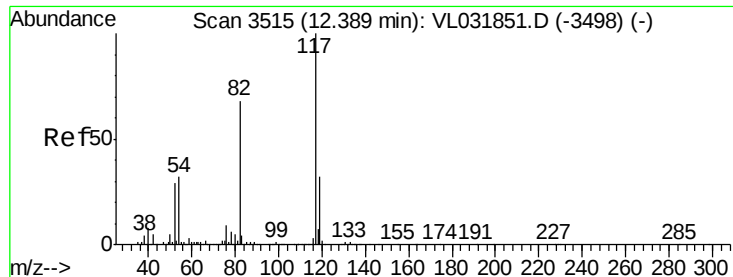
Tgt Ion: 107 Resp: 1537880

Ion Ratio Lower Upper

107 100

109 92.9 74.6 112.0

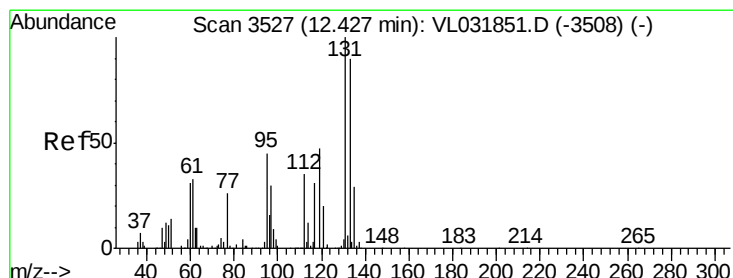
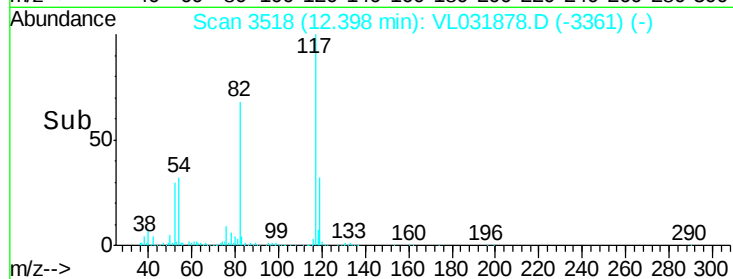
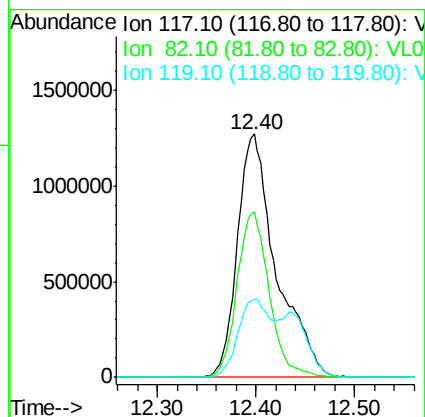
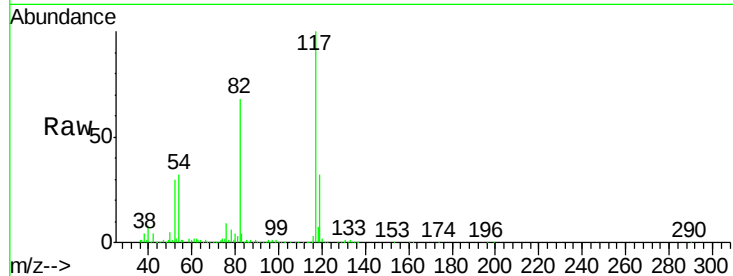




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.40 min Scan# 3518
Delta R.T. 0.01 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

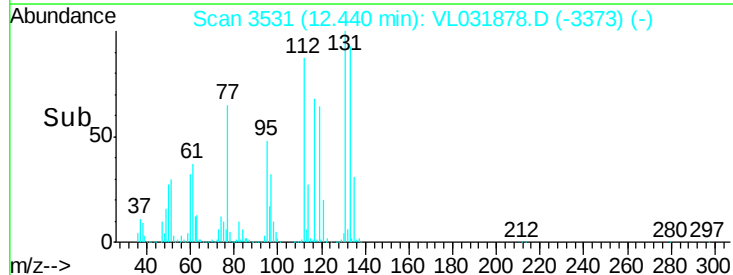
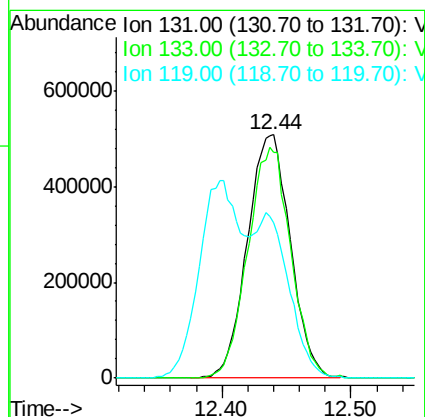
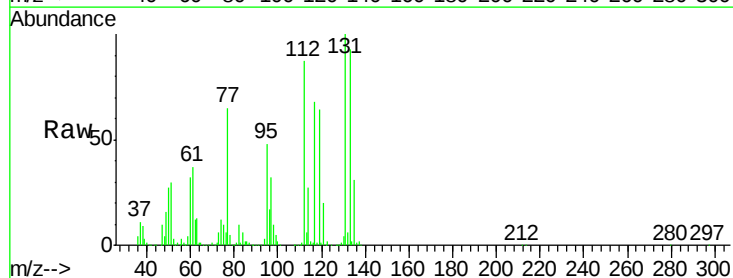
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

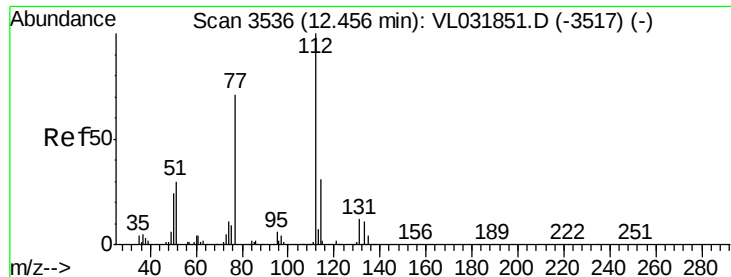
Tgt Ion:117 Resp: 3488011
Ion Ratio Lower Upper
117 100
82 56.3 54.6 81.8
119 46.4 26.0 39.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.20 ppbv
RT: 12.44 min Scan# 3531
Delta R.T. 0.01 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion:131 Resp: 1181425
Ion Ratio Lower Upper
131 100
133 94.6 76.1 114.1
119 136.8 106.3 159.5

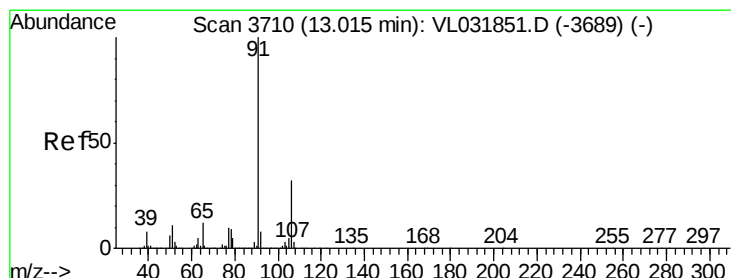
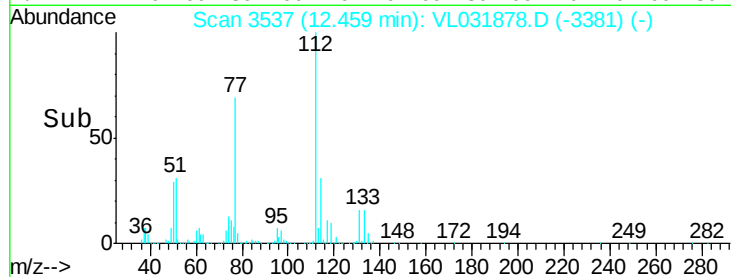
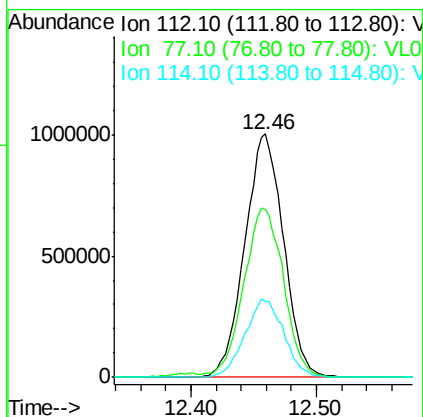
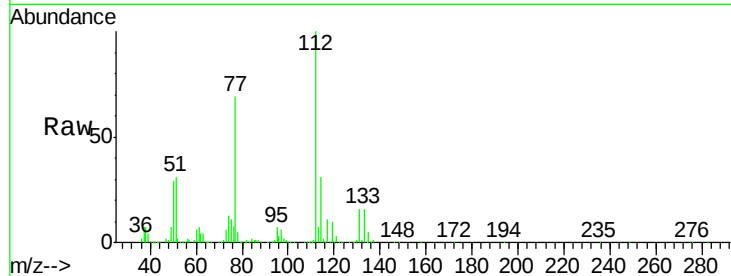




#57
Chlorobenzene
Concen: 7.30 ppbv
RT: 12.46 min Scan# 3537
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

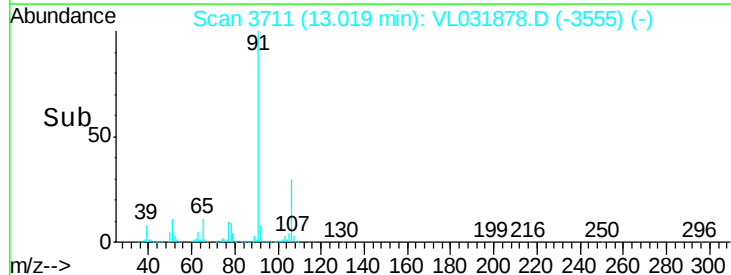
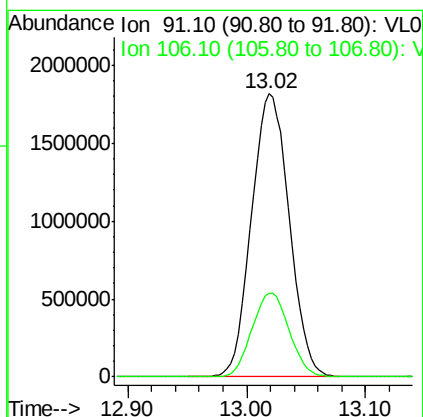
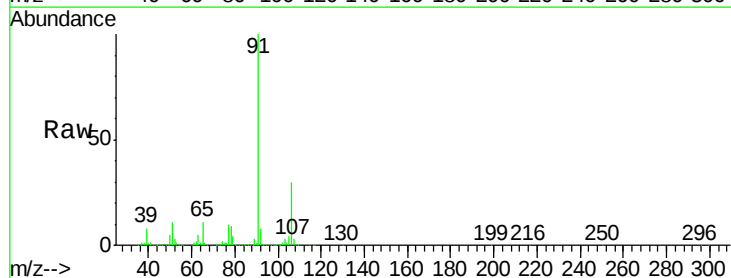
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

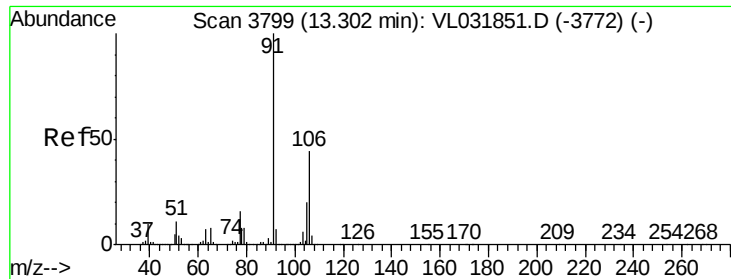
Tgt Ion: 112 Resp: 2157422
Ion Ratio Lower Upper
112 100
77 68.8 57.0 85.6
114 31.2 28.5 34.9



#58
Ethyl Benzene
Concen: 8.23 ppbv
RT: 13.02 min Scan# 3711
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 91 Resp: 3987392
Ion Ratio Lower Upper
91 100
106 29.5 23.8 35.6

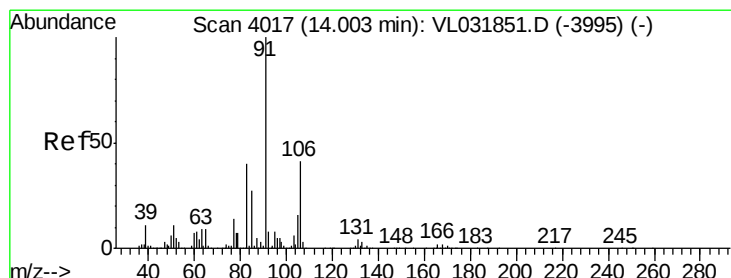
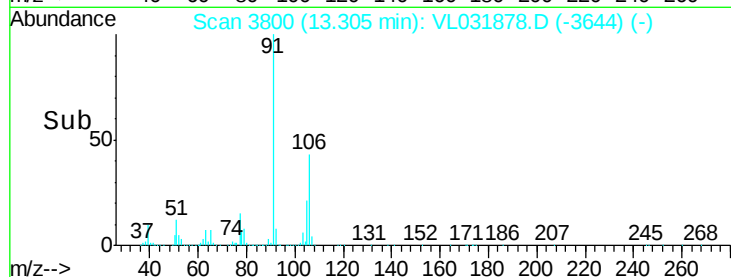
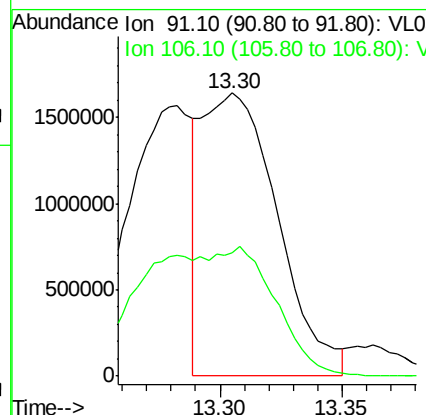
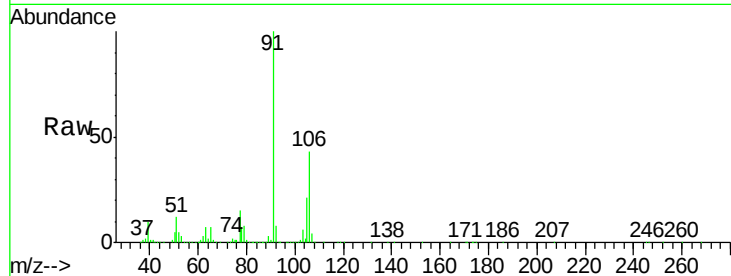




#59
m/p-Xylene
Concen: 8.34 ppbv
RT: 13.30 min Scan# 3800
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

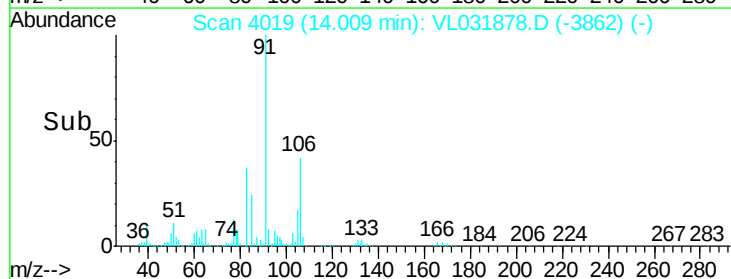
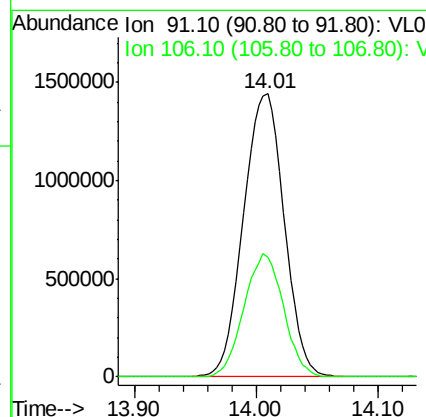
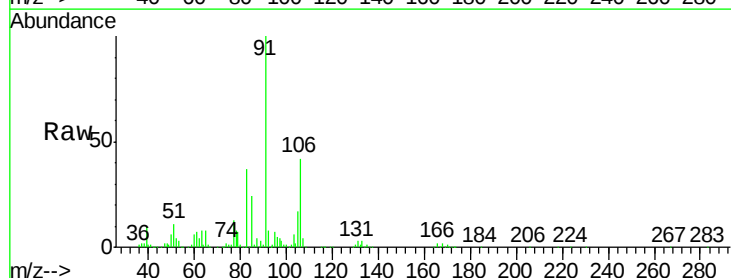
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

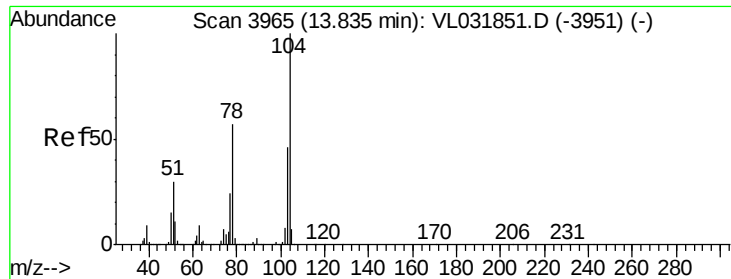
Tgt Ion: 91 Resp: 3509755
Ion Ratio Lower Upper
91 100
106 81.3 35.5 53.3#



#60
o-Xylene
Concen: 7.90 ppbv
RT: 14.01 min Scan# 4019
Delta R.T. 0.01 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 91 Resp: 3321026
Ion Ratio Lower Upper
91 100
106 42.4 21.3 63.9





#61

Styrene

Concen: 9.20 ppbv

RT: 13.84 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

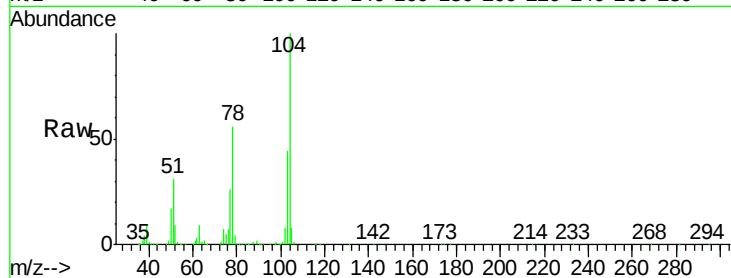
Tgt Ion:104 Resp: 736552

Ion Ratio Lower Upper

104 100

78 55.5 44.4 66.6

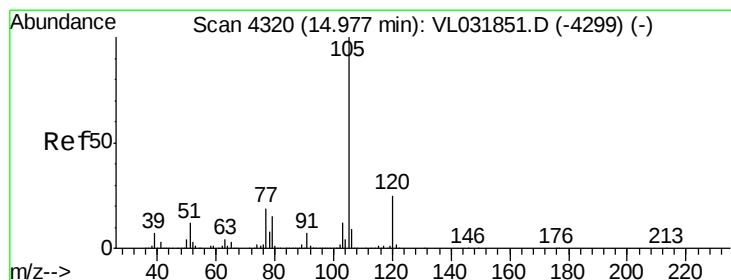
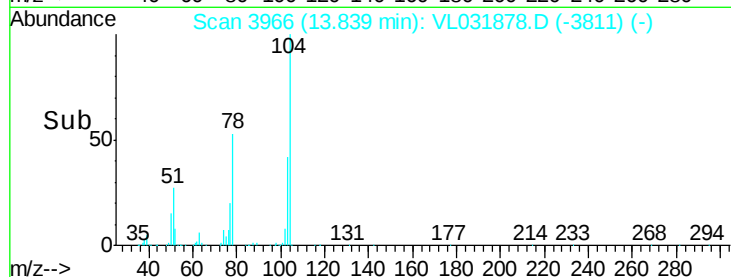
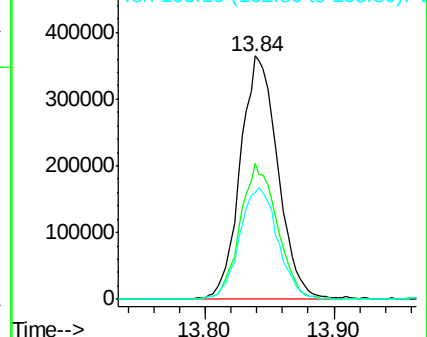
103 47.1 37.9 56.9



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: 7.70 ppbv

RT: 14.98 min Scan# 4322

Delta R.T. 0.00 min

Lab File: VL031878.D

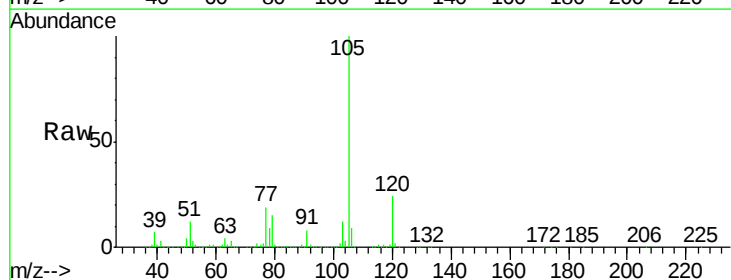
Acq: 12 Apr 2018 23:19

Tgt Ion:105 Resp: 4158461

Ion Ratio Lower Upper

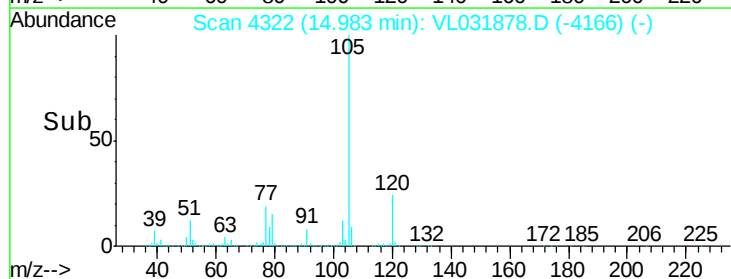
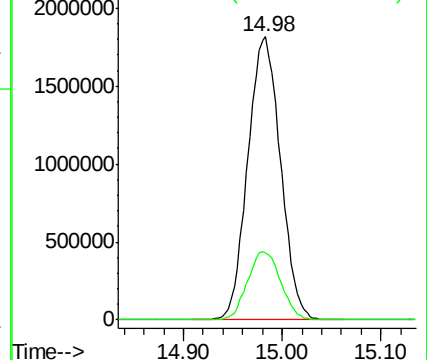
105 100

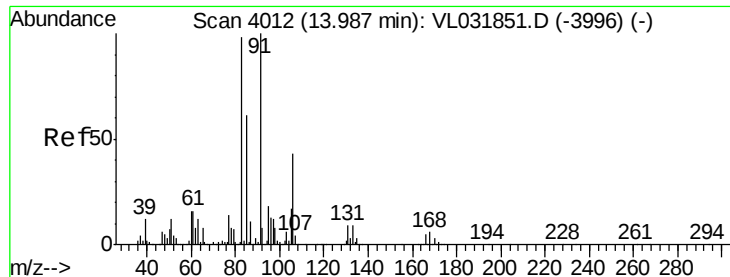
120 24.5 19.4 29.2



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: 6.72 ppbv

RT: 13.99 min Scan# 4014

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

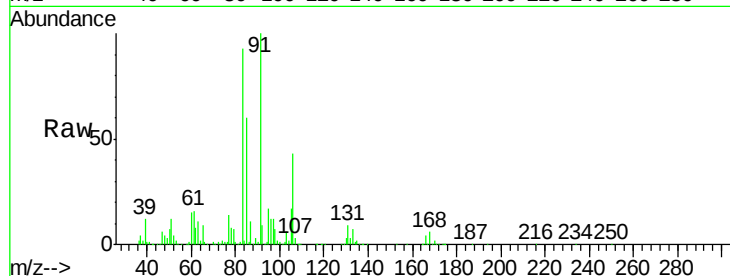
Tgt Ion: 83 Resp: 2172558

Ion Ratio Lower Upper

83 100

131 9.3 4.9 14.6

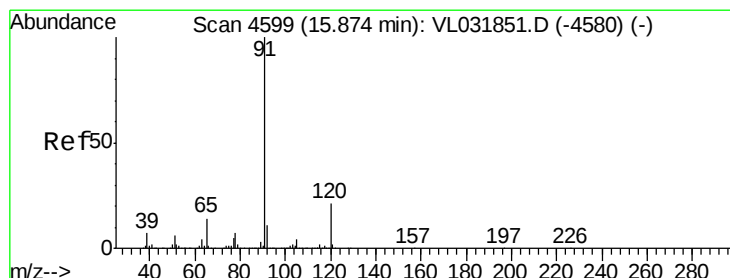
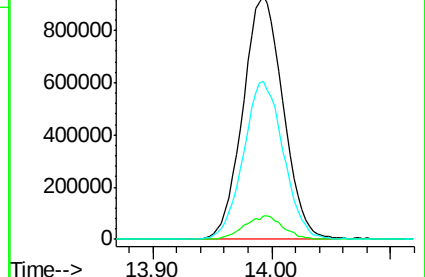
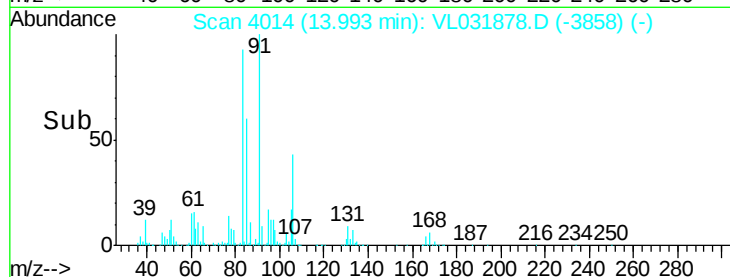
85 65.0 32.2 96.6



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: 7.77 ppbv

RT: 15.88 min Scan# 4600

Delta R.T. -0.00 min

Lab File: VL031878.D

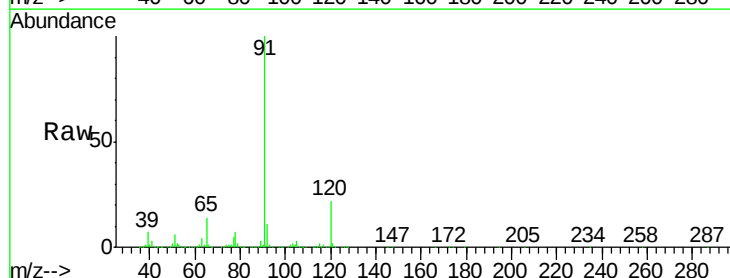
Acq: 12 Apr 2018 23:19

Tgt Ion: 120 Resp: 1020443

Ion Ratio Lower Upper

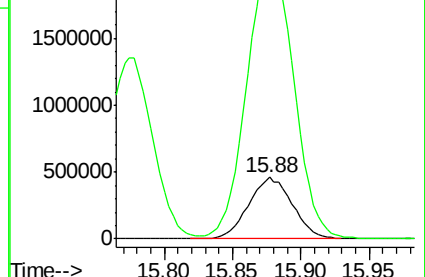
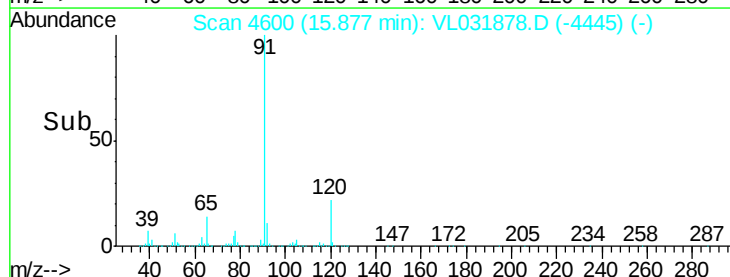
120 100

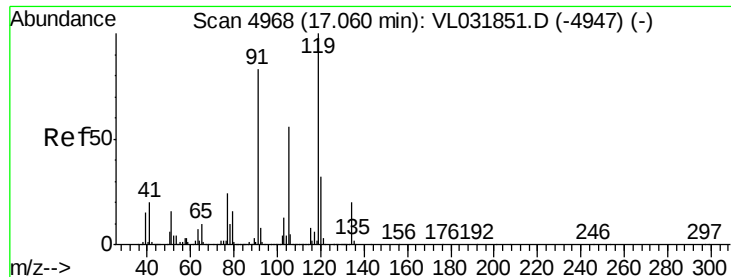
91 491.6 393.7 590.5



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

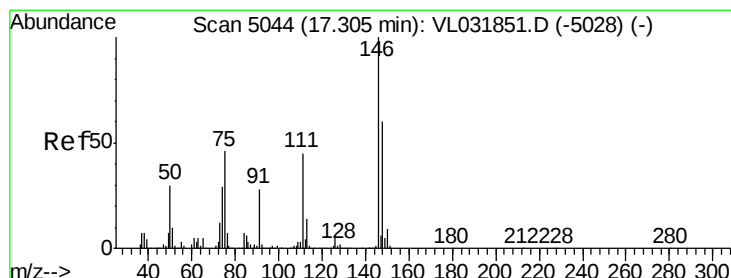
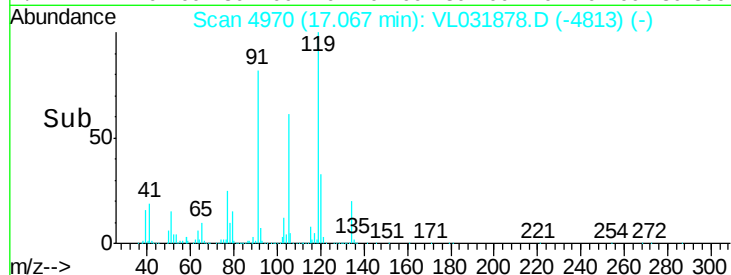
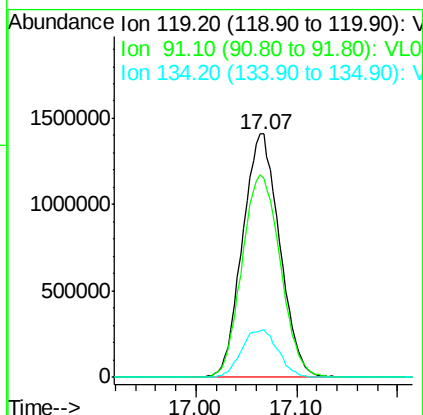
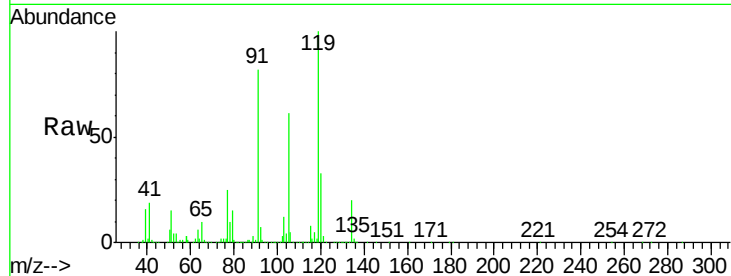




#65
tert-Butylbenzene
Concen: 7.73 ppbv
RT: 17.07 min Scan# 4970
Delta R.T. 0.01 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

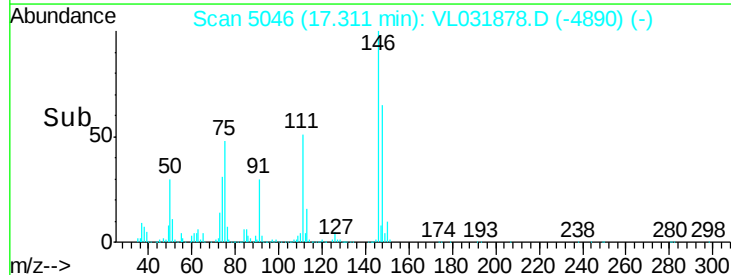
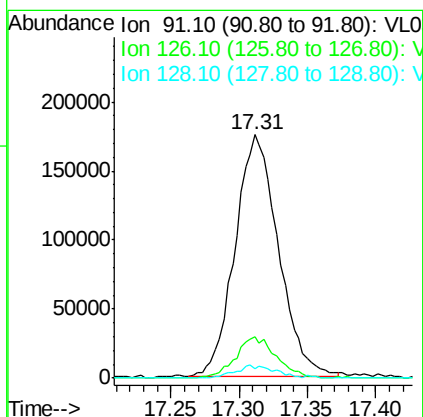
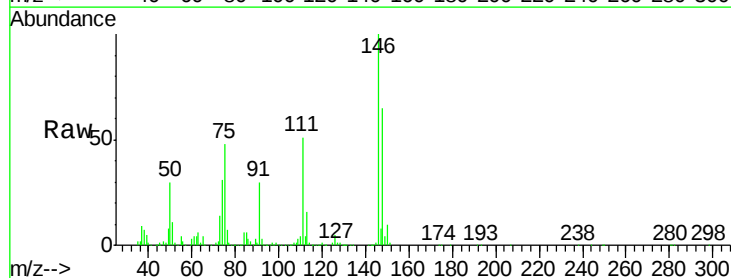
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

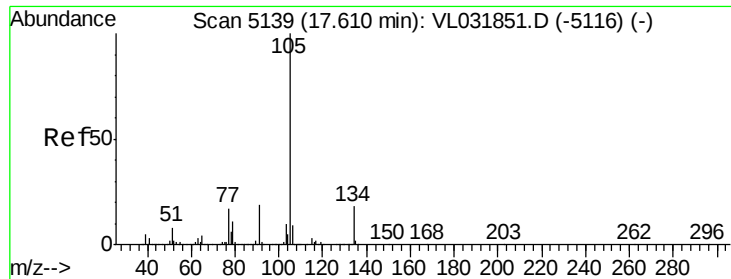
Tgt Ion: 119 Resp: 3591680
Ion Ratio Lower Upper
119 100
91 86.1 69.4 104.0
134 19.3 15.4 23.2



#66
Benzyl Chloride
Concen: 9.16 ppbv
RT: 17.31 min Scan# 5046
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 91 Resp: 383300
Ion Ratio Lower Upper
91 100
126 16.3 12.6 19.0
128 5.1 4.0 6.0





#67

sec-Butylbenzene

Concen: 7.60 ppbv

RT: 17.61 min Scan# 5140

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

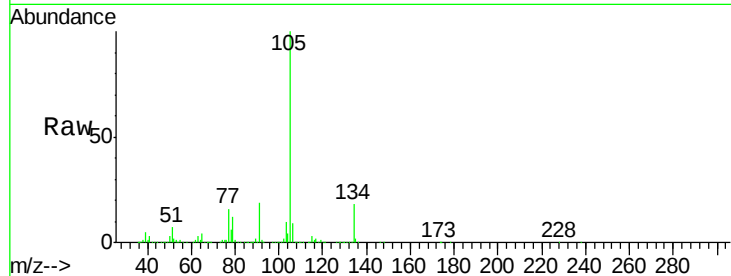
VSTDCCC010EC

Tgt Ion: 105 Resp: 5081981

Ion Ratio Lower Upper

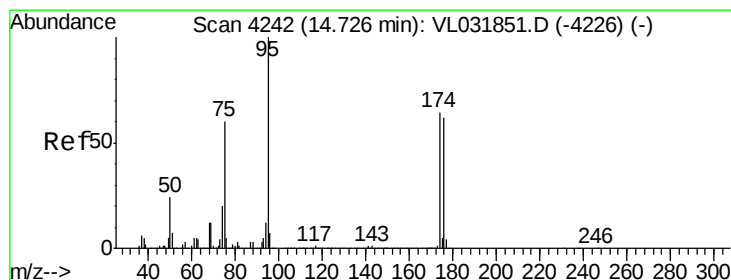
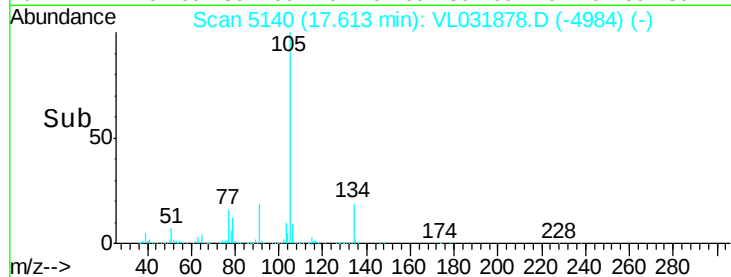
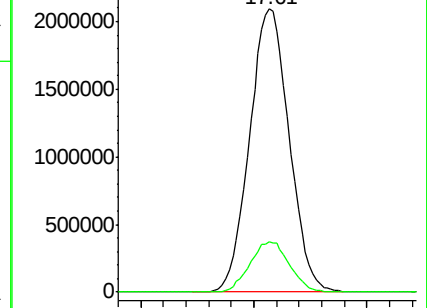
105 100

134 17.8 14.2 21.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.22 ppbv

RT: 14.73 min Scan# 4244

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

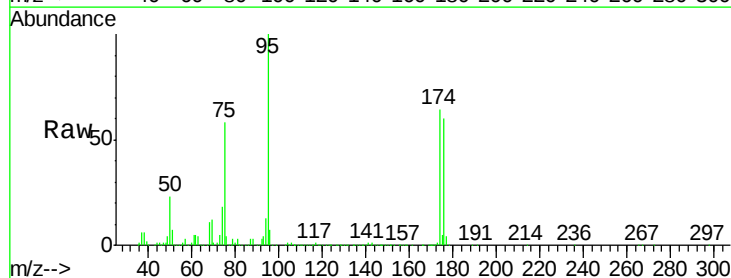
Tgt Ion: 95 Resp: 2306014

Ion Ratio Lower Upper

95 100

174 65.1 52.3 78.5

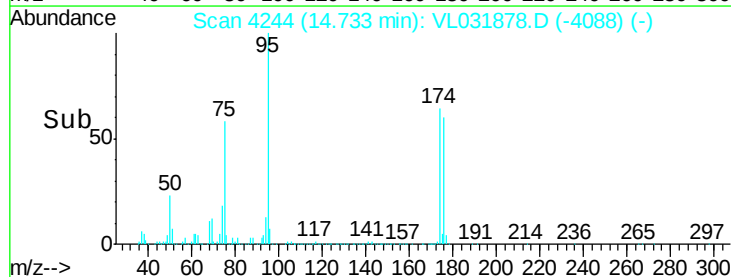
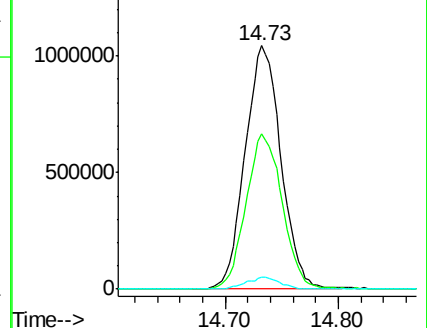
175 4.7 3.9 5.9

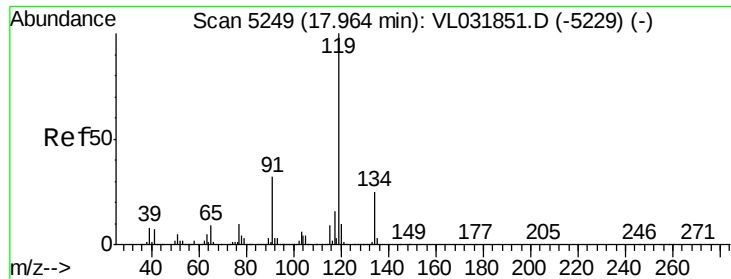


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

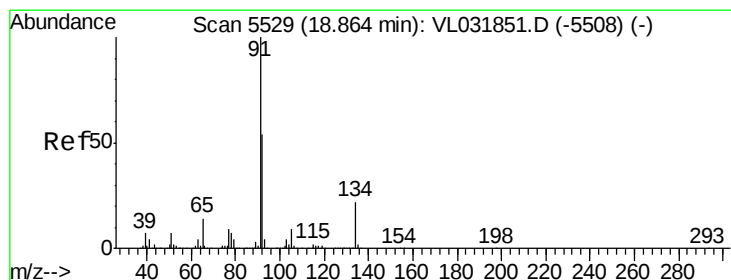
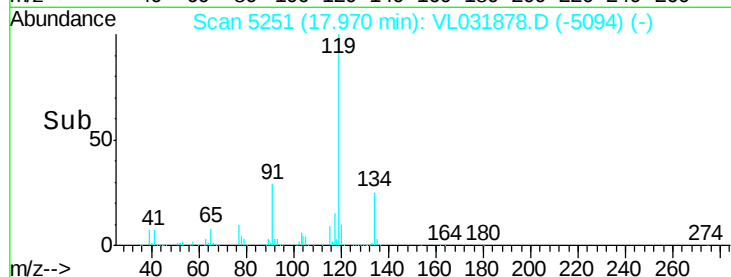
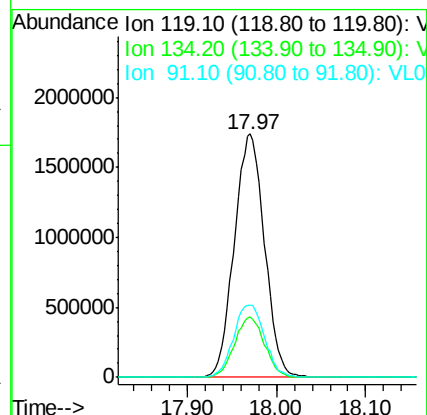
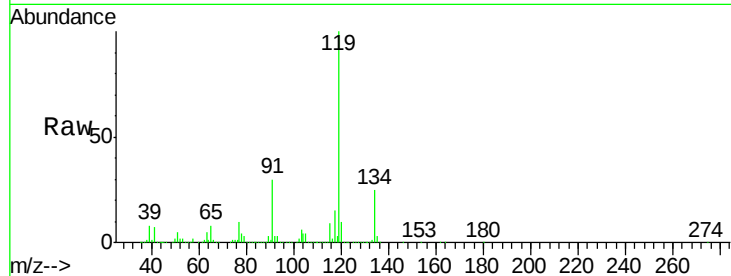




#69
p-Isopropyltoluene
Concen: 7.87 ppbv
RT: 17.97 min Scan# 5251
Delta R.T. 0.01 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

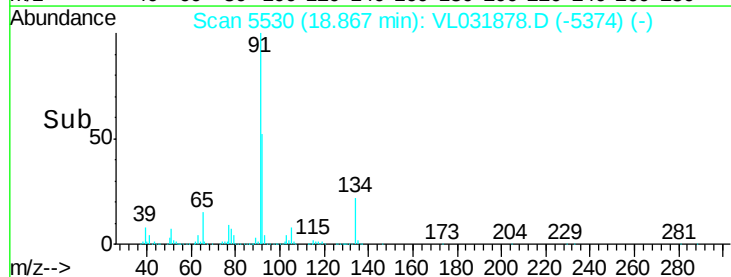
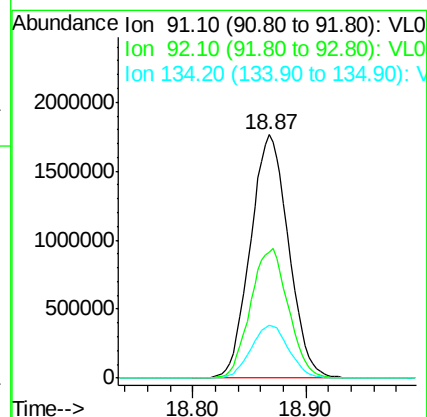
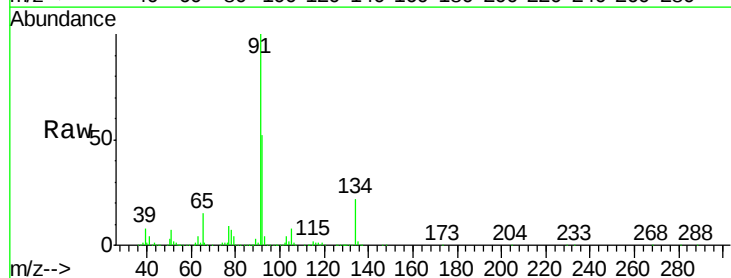
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

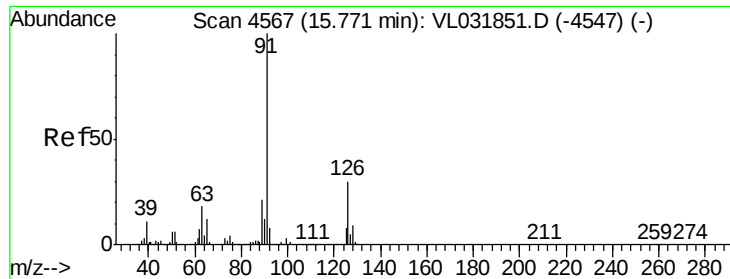
Tgt Ion: 119 Resp: 4081749
Ion Ratio Lower Upper
119 100
134 24.5 20.0 30.0
91 30.7 24.9 37.3



#70
n-Butylbenzene
Concen: 7.64 ppbv
RT: 18.87 min Scan# 5530
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion: 91 Resp: 4126614
Ion Ratio Lower Upper
91 100
92 53.1 42.2 63.4
134 21.7 17.4 26.0





#71

2-Chlorotoluene

Concen: 7.93 ppbv

RT: 15.77 min Scan# 4568

Delta R.T. 0.01 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

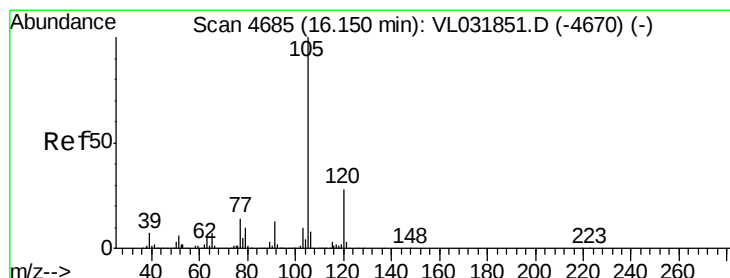
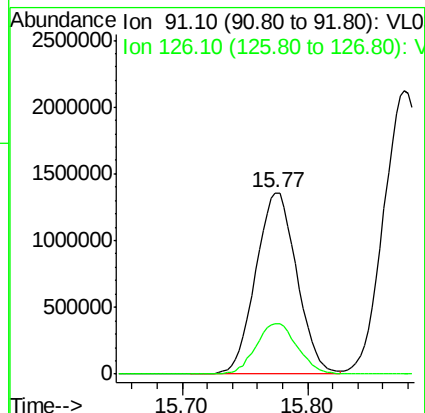
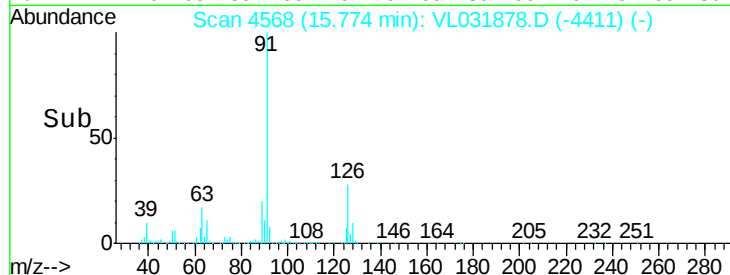
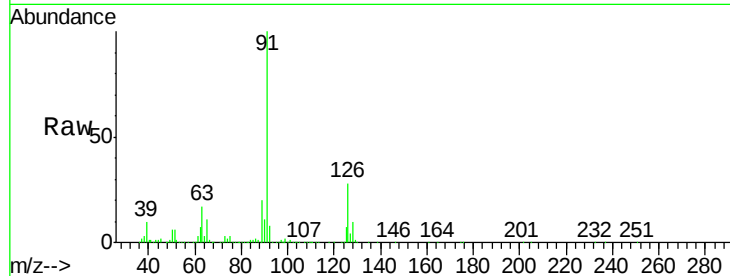
VSTDCCC010EC

Tgt Ion: 91 Resp: 3095257

Ion Ratio Lower Upper

91 100

126 28.5 11.6 46.2



#72

4-Ethyltoluene

Concen: 7.77 ppbv

RT: 16.15 min Scan# 4686

Delta R.T. 0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Tgt Ion: 105 Resp: 3340268

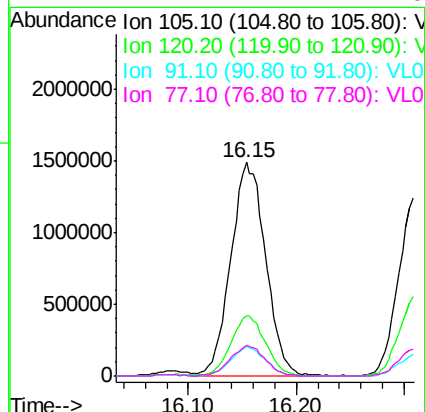
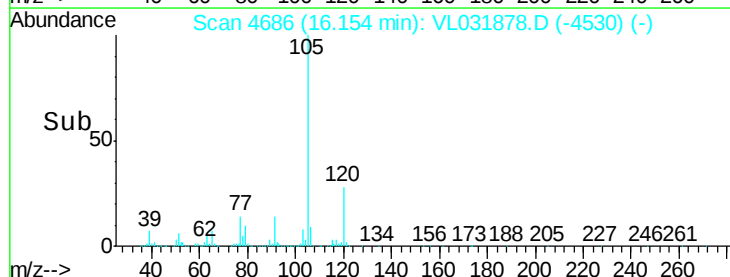
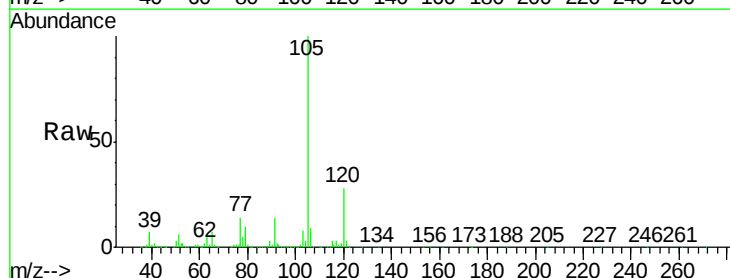
Ion Ratio Lower Upper

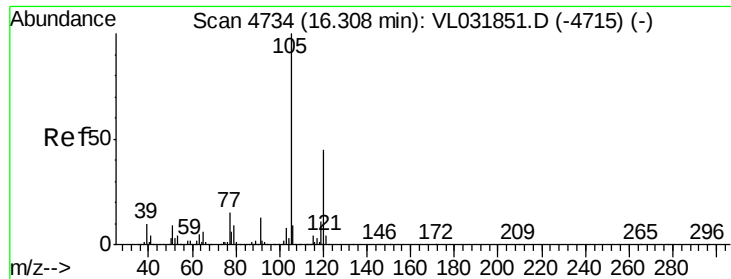
105 100

120 28.2 22.7 34.1

91 13.5 10.6 16.0

77 14.1 11.4 17.0

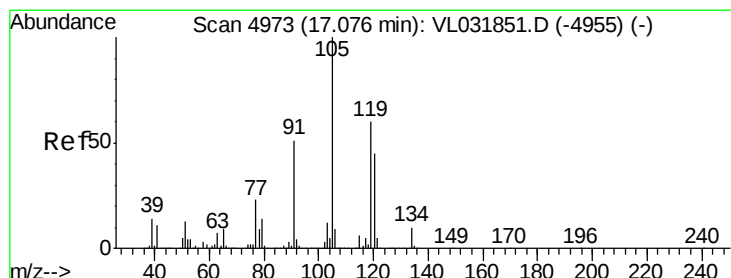
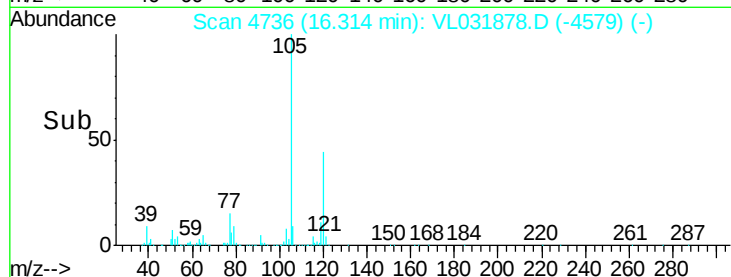
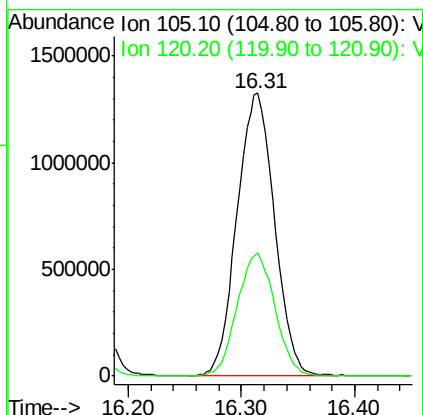
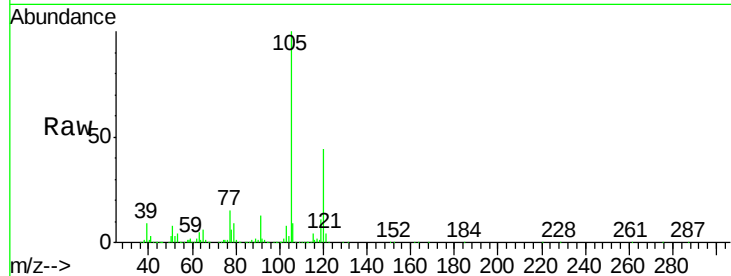




#73
 1,3,5-Trimethylbenzene
 Concen: 7.75 ppbv
 RT: 16.31 min Scan# 4736
 Delta R.T. 0.01 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

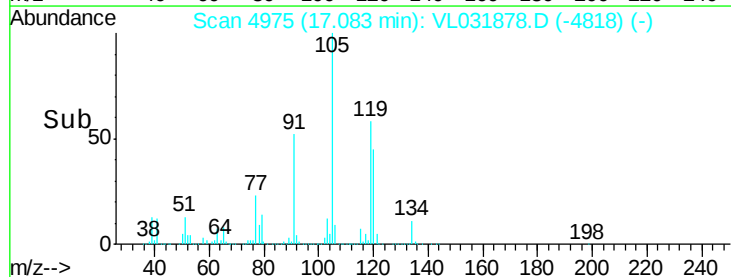
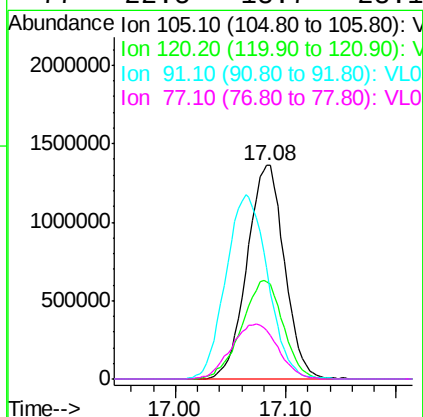
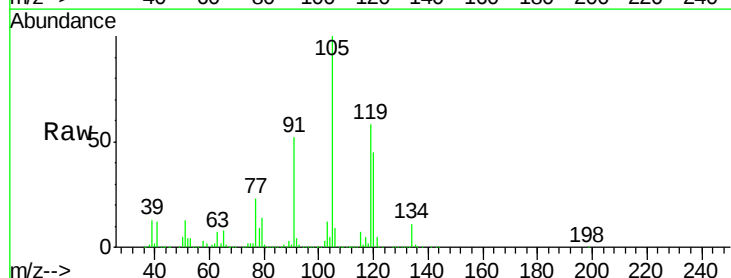
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

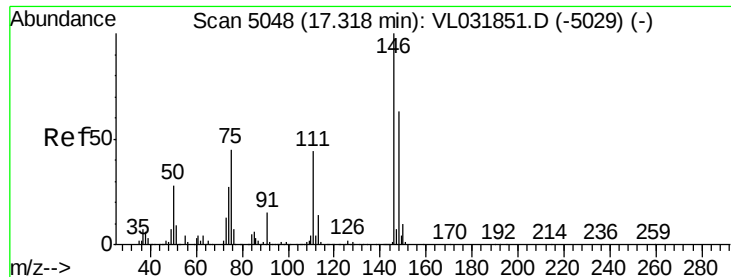
Tgt Ion:105 Resp: 3048078
 Ion Ratio Lower Upper
 105 100
 120 43.6 35.3 52.9



#74
 1,2,4-Trimethylbenzene
 Concen: 7.28 ppbv
 RT: 17.08 min Scan# 4975
 Delta R.T. 0.01 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

Tgt Ion:105 Resp: 3195549
 Ion Ratio Lower Upper
 105 100
 120 45.5 37.0 55.4
 91 52.0 43.0 64.4
 77 22.5 18.7 28.1

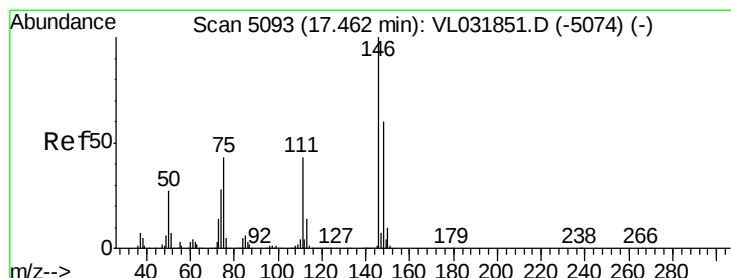
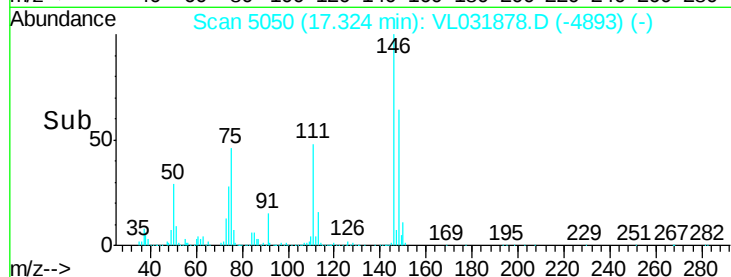
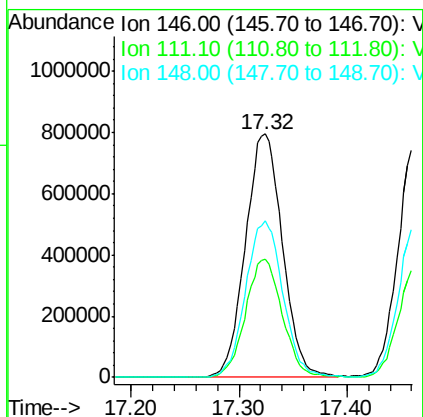
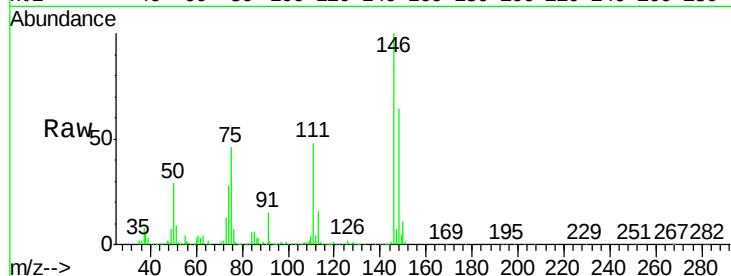




#75
 1,3-Dichlorobenzene
 Concen: 7.06 ppbv
 RT: 17.32 min Scan# 5050
 Delta R.T. 0.01 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

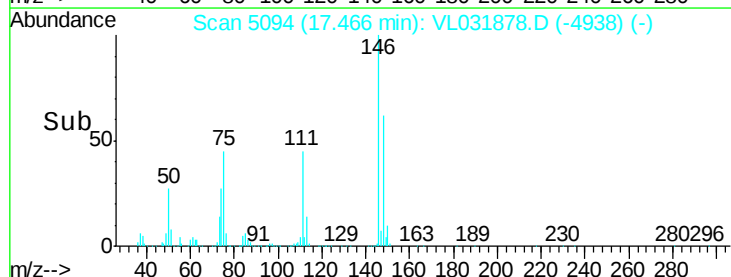
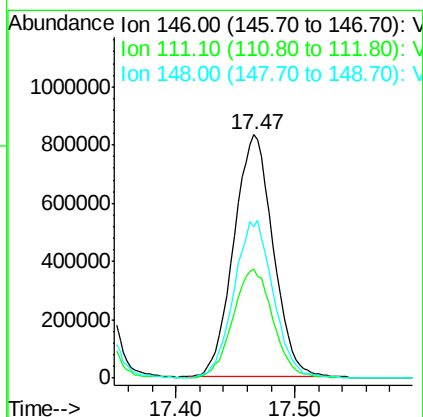
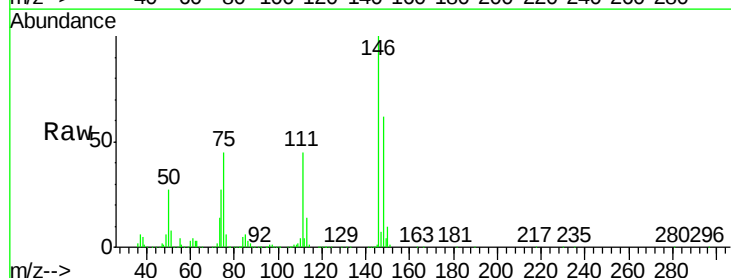
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

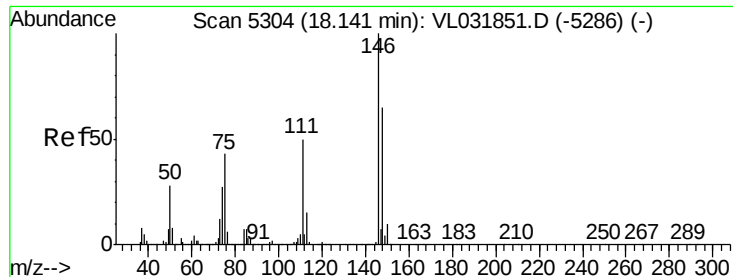
Tgt Ion:146 Resp: 1901695
 Ion Ratio Lower Upper
 146 100
 111 48.0 23.8 71.4
 148 64.6 32.0 96.2



#76
 1,4-Dichlorobenzene
 Concen: 7.31 ppbv
 RT: 17.47 min Scan# 5094
 Delta R.T. 0.00 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

Tgt Ion:146 Resp: 1908050
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.9 68.7
 148 65.3 32.0 96.0





#77

1,2-Dichlorobenzene

Concen: 7.29 ppbv

RT: 18.14 min Scan# 5305

Delta R.T. -0.00 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

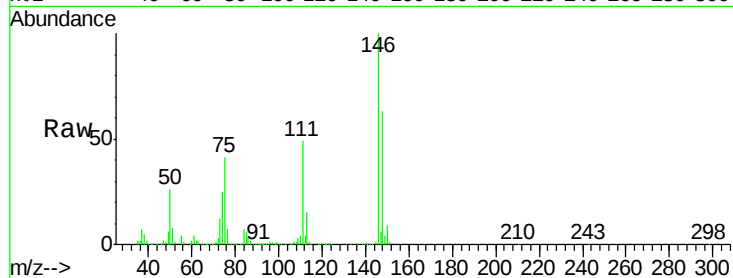
Tgt Ion:146 Resp: 1933033

Ion Ratio Lower Upper

146 100

111 47.6 24.3 72.8

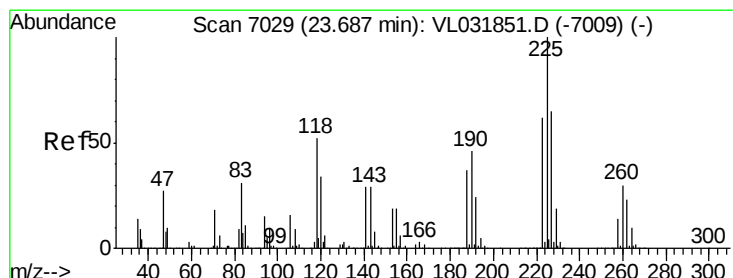
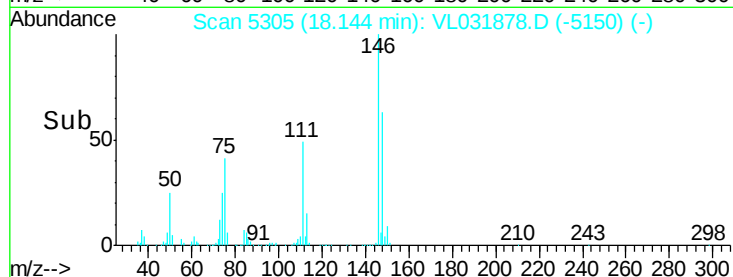
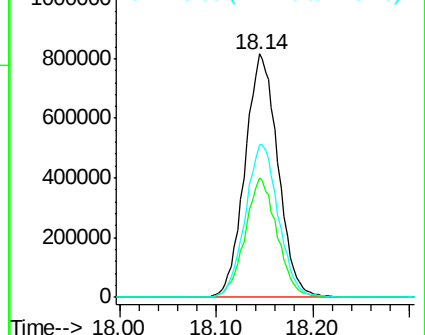
148 63.2 31.8 95.3



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: 9.68 ppbv

RT: 23.69 min Scan# 7030

Delta R.T. 0.01 min

Lab File: VL031878.D

Acq: 12 Apr 2018 23:19

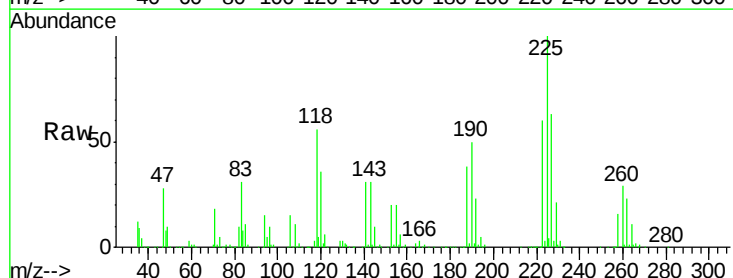
Tgt Ion:225 Resp: 985313

Ion Ratio Lower Upper

225 100

223 63.0 50.6 76.0

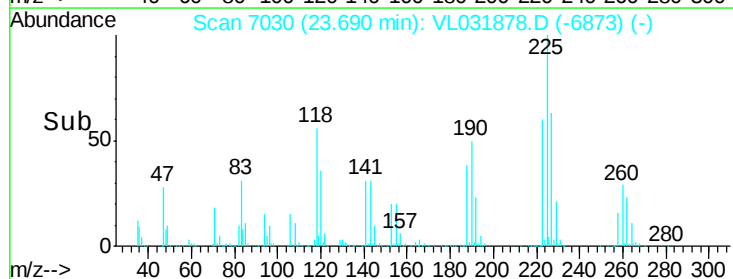
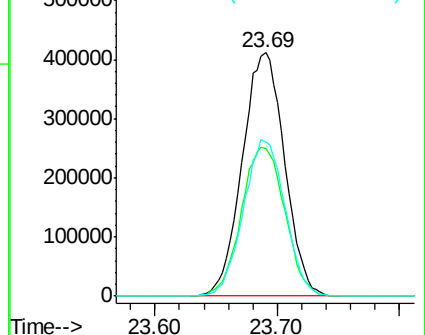
227 63.3 52.2 78.4

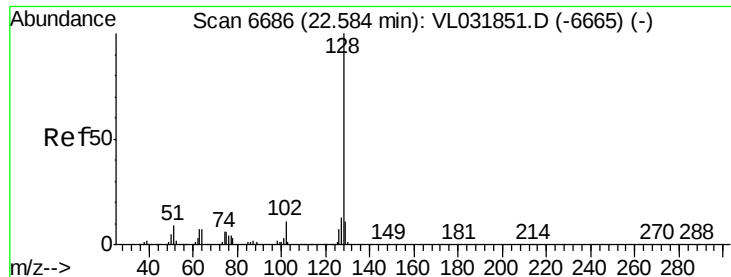


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

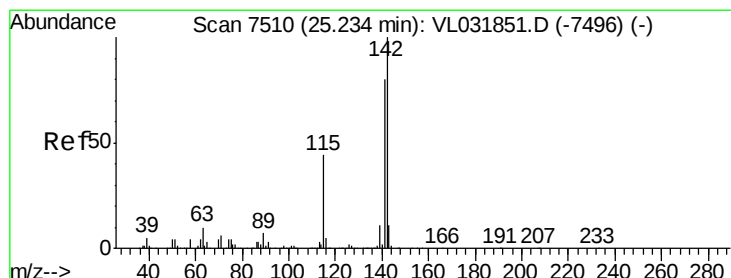
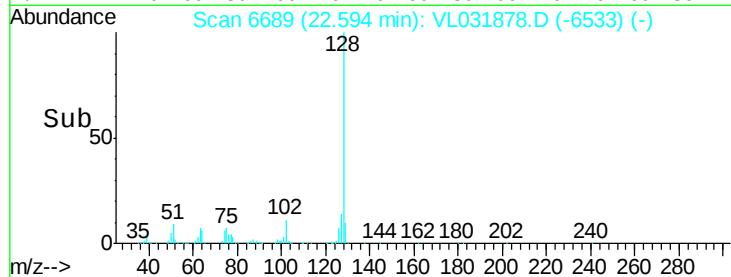
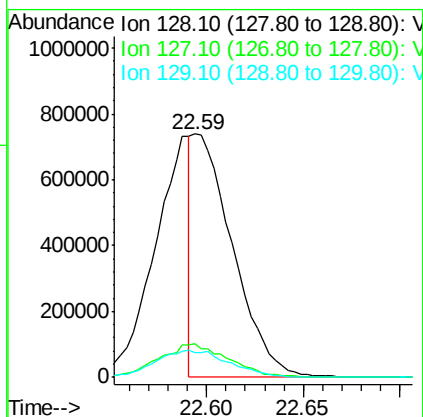
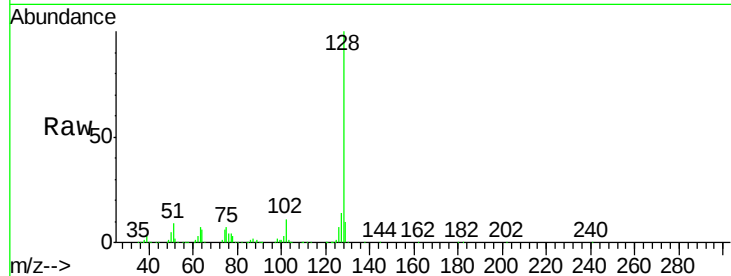




#79
Naphthalene
Concen: 4.24 ppbv
RT: 22.59 min Scan# 6689
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

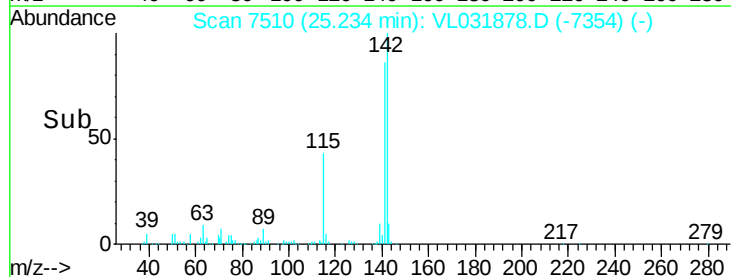
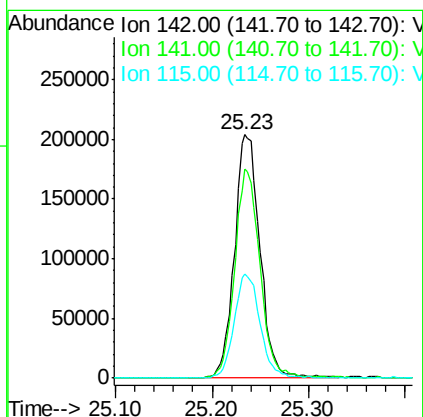
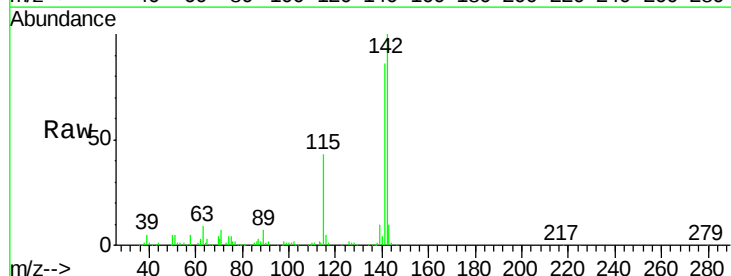
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

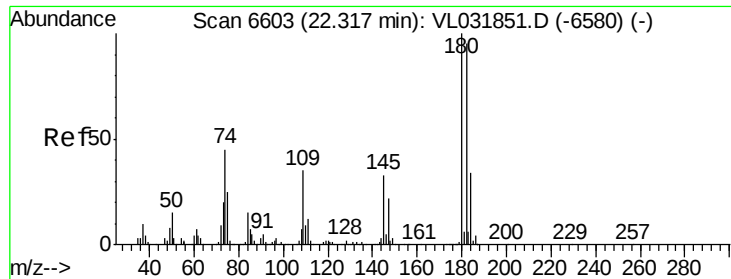
Tgt Ion:128 Resp: 1048589
Ion Ratio Lower Upper
128 100
127 13.6 10.2 15.4
129 10.4 9.4 14.2



#80
Naphthalene, 2-methyl-
Concen: 7.75 ppbv
RT: 25.23 min Scan# 7510
Delta R.T. 0.00 min
Lab File: VL031878.D
Acq: 12 Apr 2018 23:19

Tgt Ion:142 Resp: 373664
Ion Ratio Lower Upper
142 100
141 85.4 67.0 100.4
115 43.5 35.3 52.9





#81
 1,2,4-Trichlorobenzene
 Concen: 7.42 ppbv
 RT: 22.32 min Scan# 6603
 Delta R.T. 0.01 min
 Lab File: VL031878.D
 Acq: 12 Apr 2018 23:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1016791
 Ion Ratio Lower Upper
 180 100
 182 96.8 76.3 114.5
 184 30.0 24.2 36.2

