

Data File : VL032828.D
Acq On : 28 Nov 2018 12:49
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Nov 28 14:37:29 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1241410	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3278048	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3231747	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2325161	9.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.08	85	1269633	7.115	ppbv	98
3) Chlorodifluoromethane	3.02	51	1059316	10.763	ppbv	100
4) Chloromethane	3.18	50	583461	10.691	ppbv	99
5) Vinyl Chloride	3.30	62	602563	10.420	ppbv	99
6) Bromomethane	3.53	94	549196	15.525	ppbv	96
7) Chloroethane	3.61	64	315976	15.161	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1507058	10.717	ppbv	97
9) Propene	3.04	41	429170	10.897	ppbv	98
10) Heptane	8.26	43	1791112	11.912	ppbv	99
11) Trichlorofluoromethane	4.01	101	2306205	13.714	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1543466	11.237	ppbv	97
13) Ethanol	3.66	45	154251	11.957	ppbv	99
14) Bromoethene	3.80	108	697428	15.304	ppbv	98
15) Acetone	3.91	43	1483918	13.089	ppbv	100
16) 1,3-Butadiene	3.37	39	525190	11.962	ppbv	98
17) tert-Butyl alcohol	4.37	59	426001	11.981	ppbv	100
18) 1,1-Dichloroethene	4.36	96	779482	11.540	ppbv	100
19) Isopropyl Alcohol	4.03	45	1036770	13.728	ppbv	100
20) Methylene Chloride	4.42	84	668665	11.393	ppbv	98
21) Allyl Chloride	4.49	41	1204480	12.643	ppbv	99
22) trans-1,2-Dichloroethene	4.98	96	826836	12.536	ppbv	98
23) Vinyl Acetate	5.17	43	2390422	11.567	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1872665	11.398	ppbv	99
25) Ethyl Acetate	5.78	43	2948133	11.158	ppbv	99
26) Hexane	5.80	57	1362950	11.588	ppbv	100
27) Carbon Disulfide	4.63	76	1901325	12.748	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2276422	12.136	ppbv	100
29) Chloroform	5.87	83	2391440	11.407	ppbv	100
30) Cyclohexane	7.26	84	1235769	12.012	ppbv	97
31) cis-1,2-Dichloroethene	5.66	61	1421295	12.019	ppbv	100
32) 1,1,1-Trichloroethane	6.64	97	2506763	10.909	ppbv	99
34) 2-Butanone	5.34	43	1896791	11.156	ppbv	100
35) Carbon Tetrachloride	7.15	117	2753435	10.449	ppbv	99
36) Benzene	7.02	78	2955965	11.324	ppbv	98
37) 1,2-Dichloroethane	6.43	62	1914678	10.896	ppbv	100
38) Trichloroethene	7.98	130	1233281	11.674	ppbv	99
39) 1,2-Dichloropropane	7.75	63	1094713	11.007	ppbv	97
40) 1,4-Dioxane	7.97	88	419510	11.810	ppbv	86
41) Tetrahydrofuran	6.16	42	1138656	11.676	ppbv	99
42) Bromodichloromethane	7.93	83	2641539	11.089	ppbv	99
43) Methyl Methacrylate	8.15	69	1177250	12.080	ppbv	99

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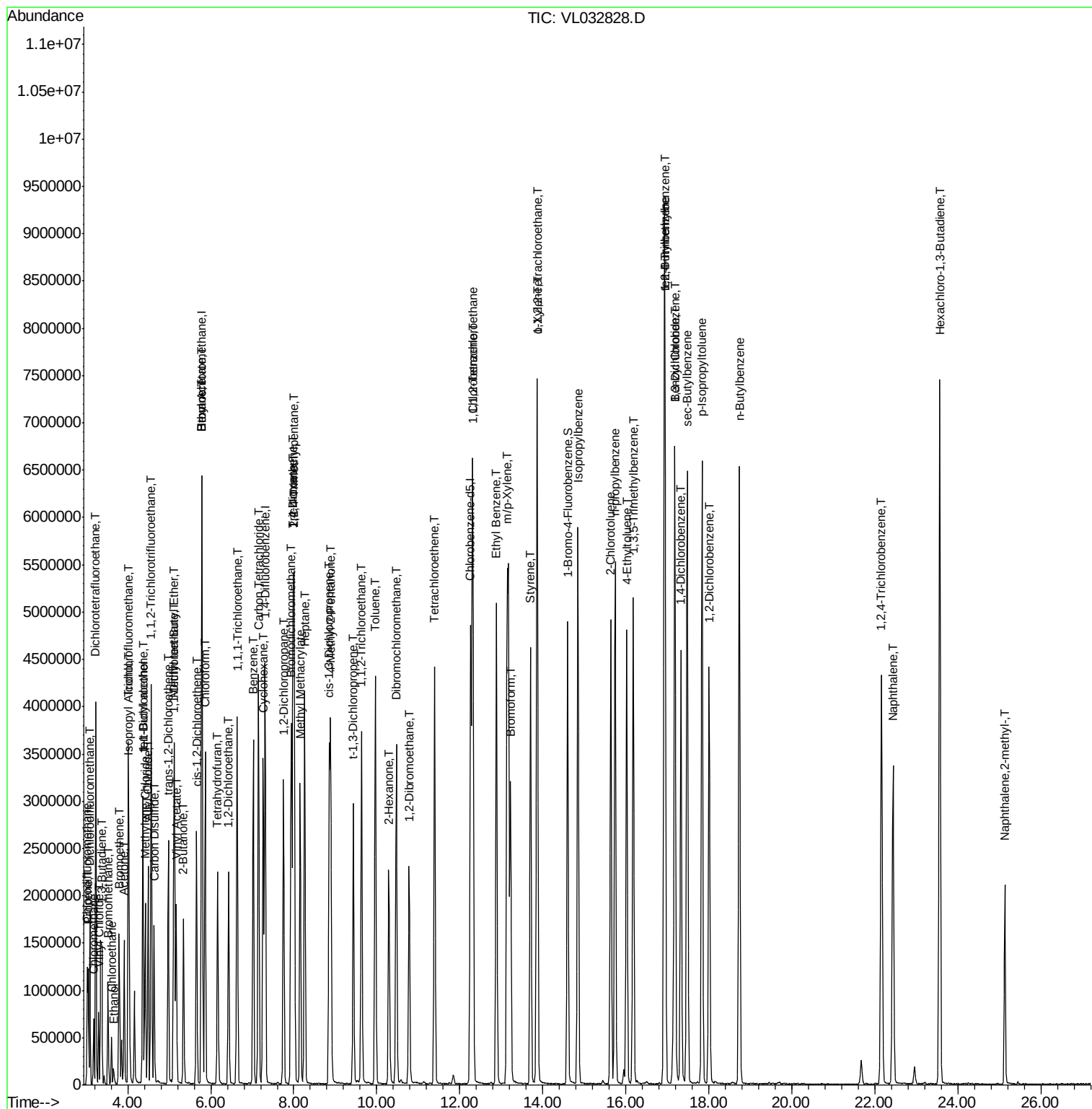
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	4973146	11.401	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1720768	13.159	ppbv	99
46) cis-1,3-Dichloropropene	8.85	75	1967627	12.454	ppbv	98
47) 1,1,2-Trichloroethane	9.63	97	1320679	11.230	ppbv	97
48) Dibromochloromethane	10.47	129	2233743	11.175	ppbv	100
49) Bromoform	13.22	173	1830286	11.088	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3006967	11.323	ppbv	100
51) 2-Hexanone	10.29	43	2067341	12.084	ppbv #	99
52) Tetrachloroethene	11.39	164	1076242	11.852	ppbv	98
53) Toluene	9.97	91	3445471	12.652	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1912066	11.502	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.30	131	1589245	10.543	ppbv	99
57) Chlorobenzene	12.32	112	2616699	10.577	ppbv	99
58) Ethyl Benzene	12.88	91	4594543	11.813	ppbv	98
59) m/p-Xylene	13.14	91	3879124	11.204	ppbv #	32
60) o-Xylene	13.87	91	3703279	10.637	ppbv	100
61) Styrene	13.70	104	2746192	12.118	ppbv	99
62) Isopropylbenzene	14.84	105	5191247	11.032	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.86	83	2424391	8.933	ppbv	99
64) n-propylbenzene	15.74	120	1329076	10.738	ppbv	97
65) tert-Butylbenzene	16.93	119	4598323	10.901	ppbv	98
66) Benzyl Chloride	17.18	91	2556612	10.963	ppbv	100
67) sec-Butylbenzene	17.48	105	6399578	10.527	ppbv	99
69) p-Isopropyltoluene	17.84	119	5332275	11.031	ppbv	99
70) n-Butylbenzene	18.73	91	5509672	11.226	ppbv	100
71) 2-Chlorotoluene	15.63	91	3855568	10.987	ppbv	100
72) 4-Ethyltoluene	16.02	105	4217127	11.052	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	3999257	10.719	ppbv	97
74) 1,2,4-Trimethylbenzene	16.95	105	4153182	10.403	ppbv	94
75) 1,3-Dichlorobenzene	17.18	146	2399111	10.476	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2361923	11.041	ppbv	99
77) 1,2-Dichlorobenzene	18.01	146	2316714	10.935	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	1857828	16.248	ppbv	99
79) Naphthalene	22.43	128	4287725	16.348	ppbv	99
80) Naphthalene,2-methyl-	25.13	142	1137526	17.317	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	2057598	15.623	ppbv	99

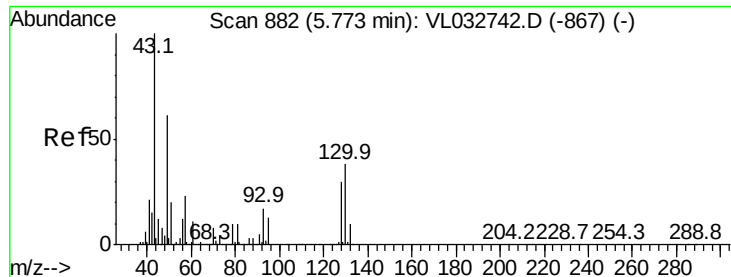
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

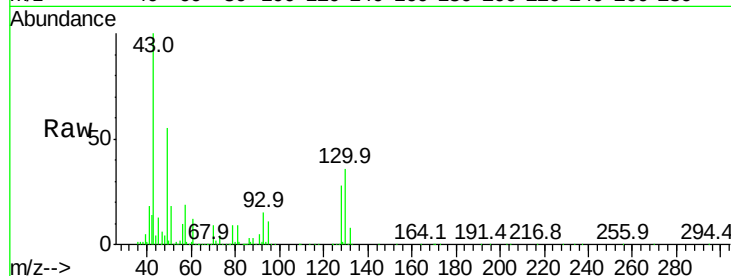
Tgt Ion: 49 Resp: 1241410

Ion Ratio Lower Upper

49 100

128 51.3 24.9 74.6

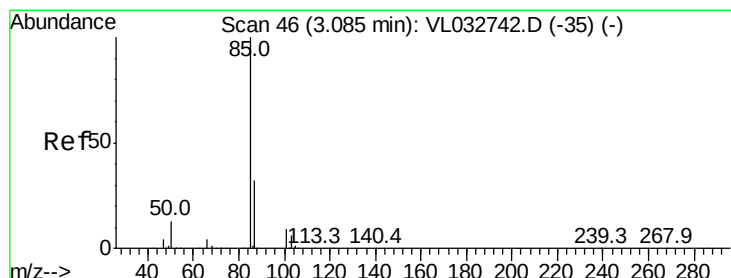
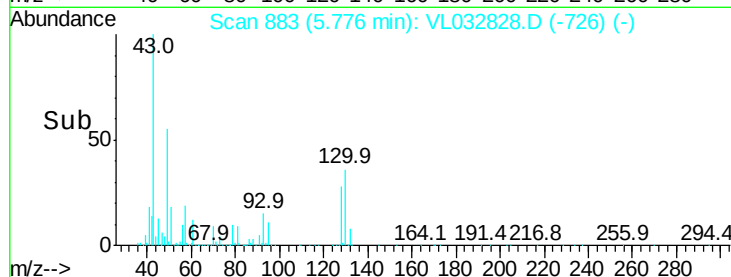
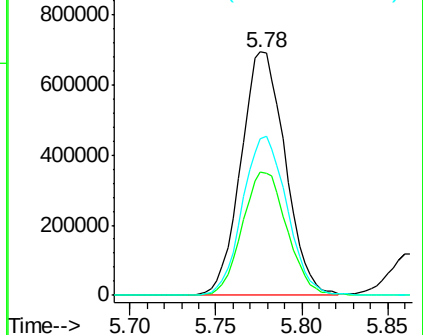
130 66.1 31.4 94.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.115 ppbv

RT: 3.08 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL032828.D

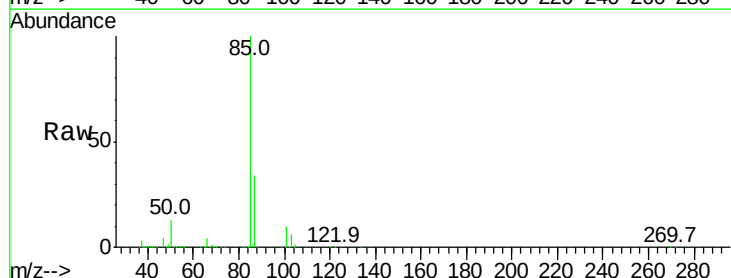
Acq: 28 Nov 2018 12:49

Tgt Ion: 85 Resp: 1269633

Ion Ratio Lower Upper

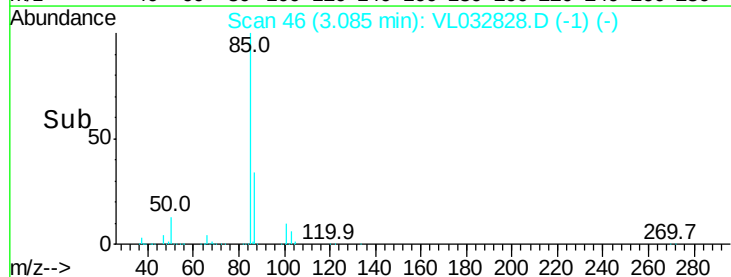
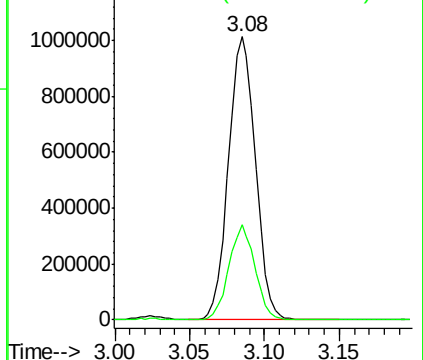
85 100

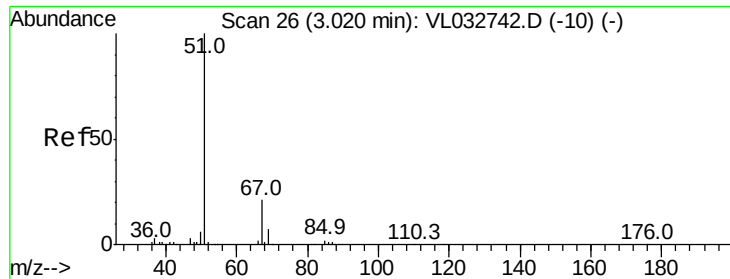
87 33.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.763 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

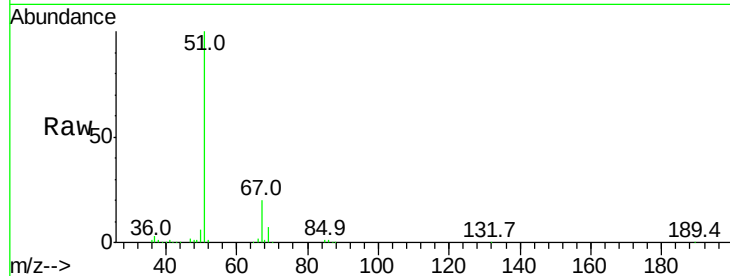
VSTDCCC010EC

Tgt Ion: 51 Resp: 1059316

Ion Ratio Lower Upper

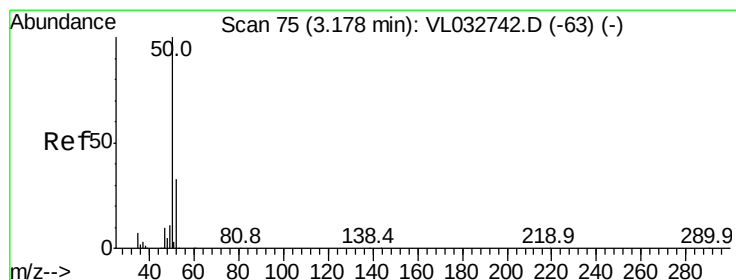
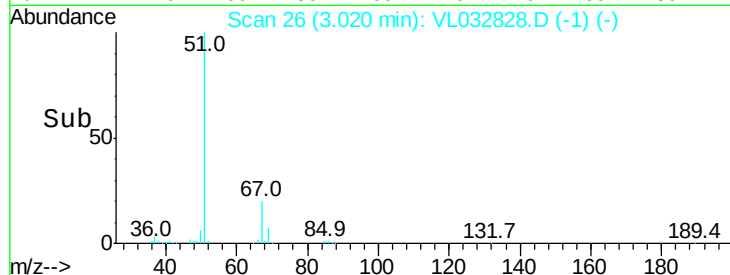
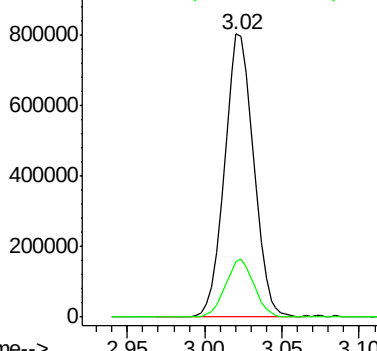
51 100

67 20.3 16.1 24.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.691 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032828.D

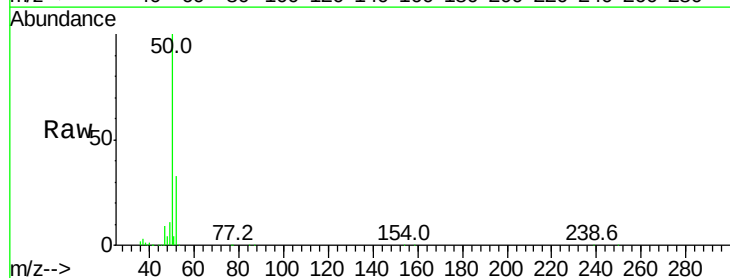
Acq: 28 Nov 2018 12:49

Tgt Ion: 50 Resp: 583461

Ion Ratio Lower Upper

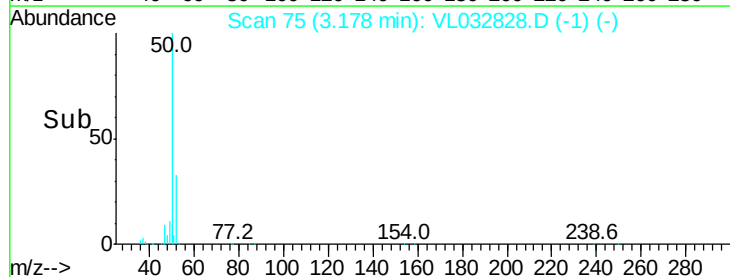
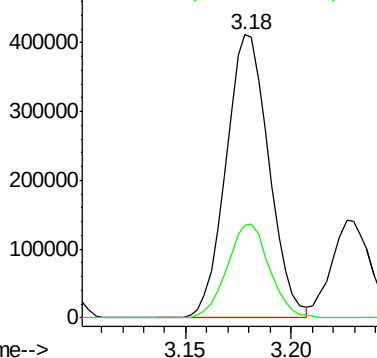
50 100

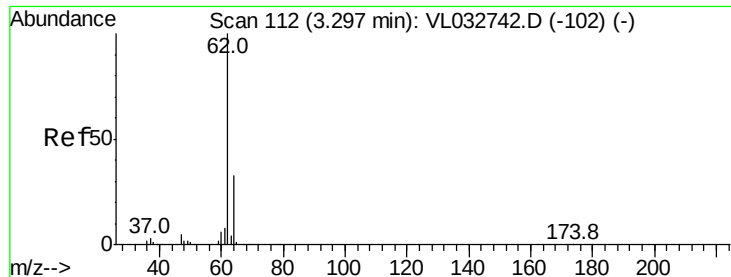
52 32.8 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.420 ppbv

RT: 3.30 min Scan# 113

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

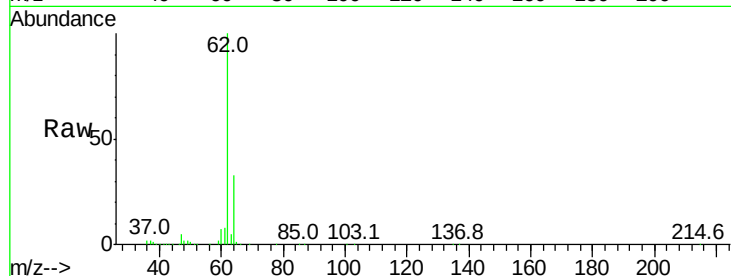
VSTDCCC010EC

Tgt Ion: 62 Resp: 602563

Ion Ratio Lower Upper

62 100

64 33.3 26.2 39.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.30

400000

300000

200000

100000

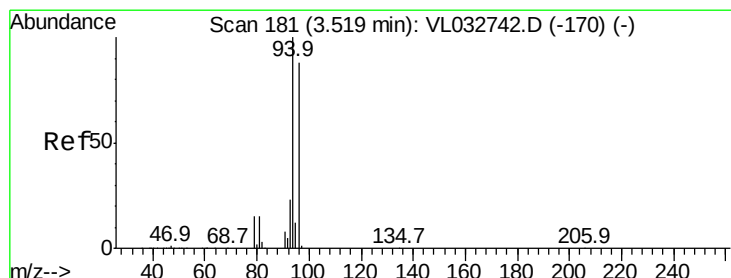
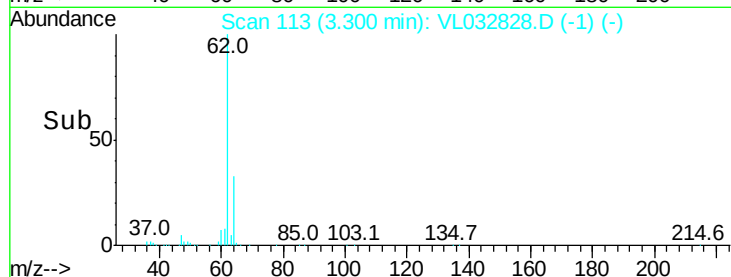
0

3.25

3.30

3.35

Time-->



#6

Bromomethane

Concen: 15.525 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.01 min

Lab File: VL032828.D

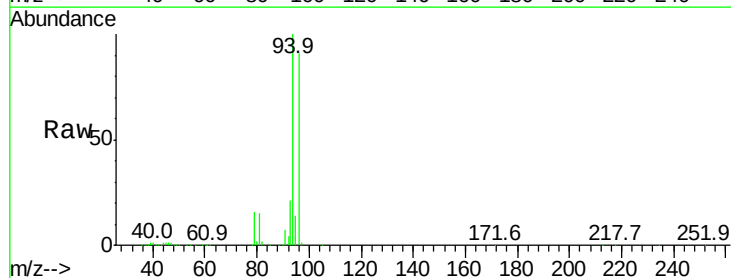
Acq: 28 Nov 2018 12:49

Tgt Ion: 94 Resp: 549196

Ion Ratio Lower Upper

94 100

96 91.0 70.2 105.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.53

400000

300000

200000

100000

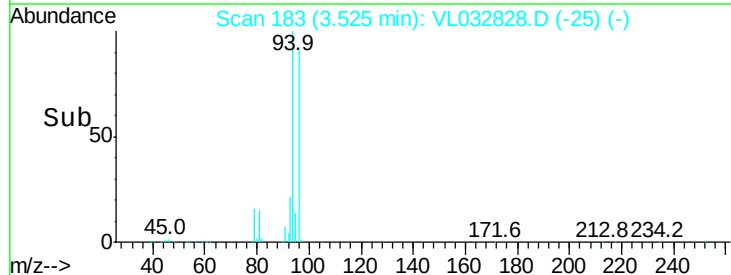
0

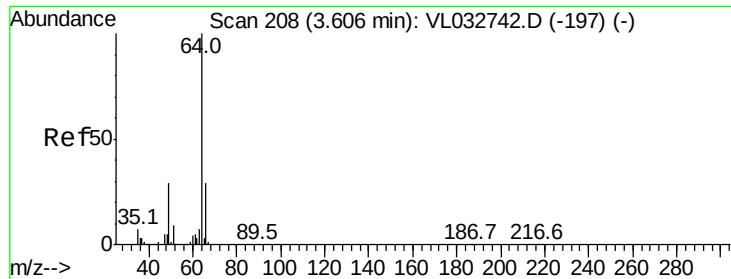
3.45

3.50

3.55

Time-->





#7

Chloroethane

Concen: 15.161 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

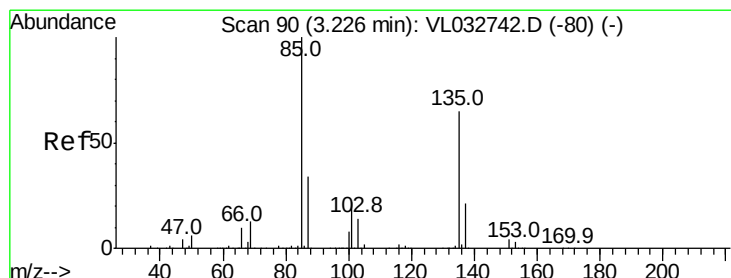
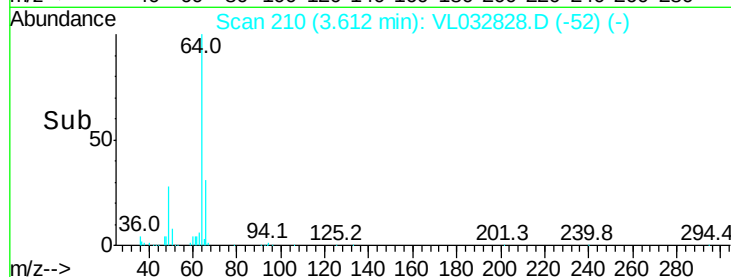
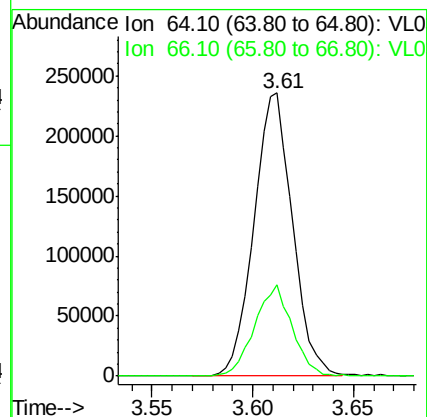
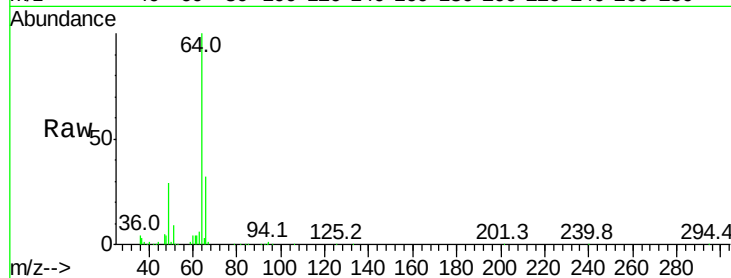
VSTDCCC010EC

Tgt Ion: 64 Resp: 315976

Ion Ratio Lower Upper

64 100

66 32.1 23.2 34.8



#8

Dichlorotetrafluoroethane

Concen: 10.717 ppbv

RT: 3.23 min Scan# 91

Delta R.T. 0.00 min

Lab File: VL032828.D

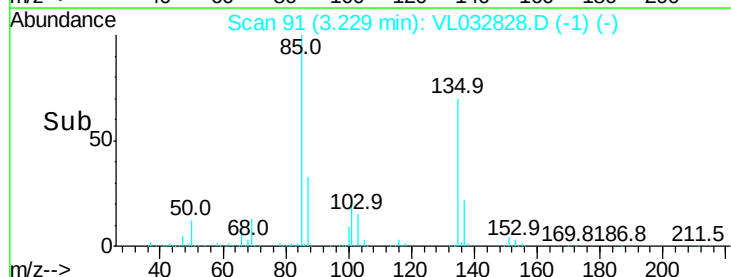
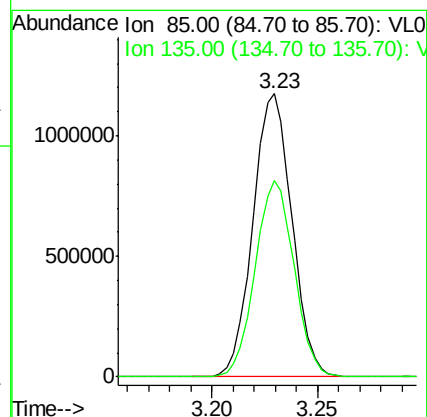
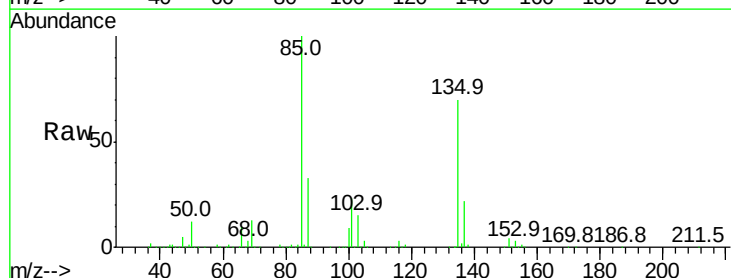
Acq: 28 Nov 2018 12:49

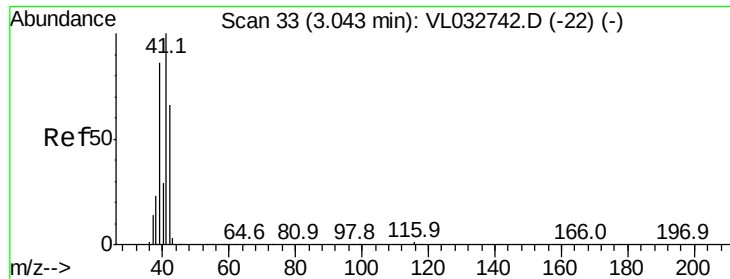
Tgt Ion: 85 Resp: 1507058

Ion Ratio Lower Upper

85 100

135 69.7 53.8 80.8





#9

Propene

Concen: 10.897 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

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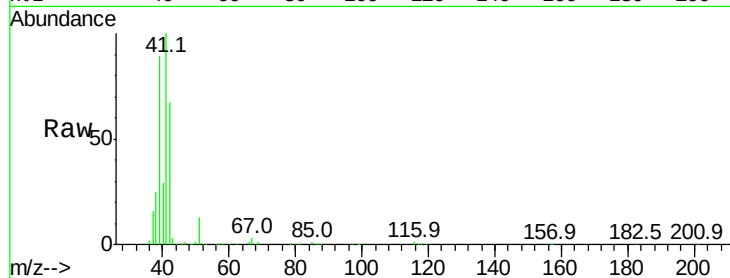
VSTDCCC010EC

Tgt Ion: 41 Resp: 429170

Ion Ratio Lower Upper

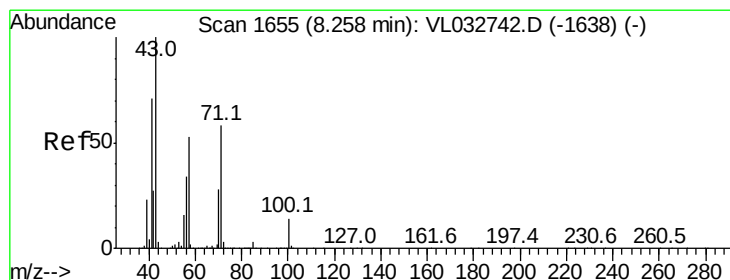
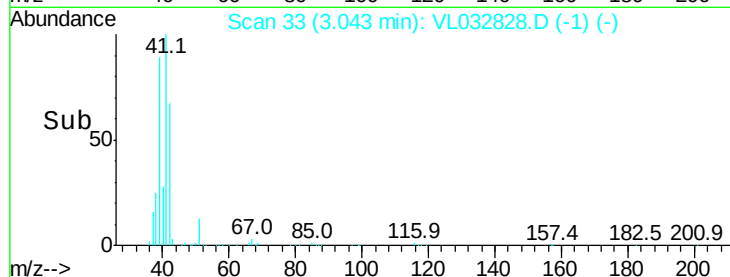
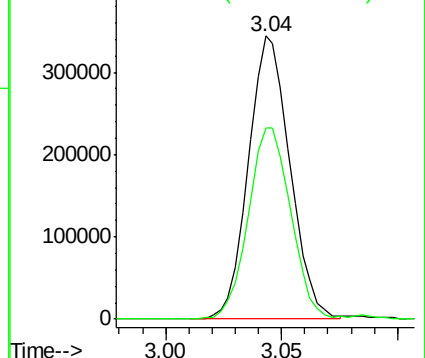
41 100

42 70.0 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.912 ppbv

RT: 8.26 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VL032828.D

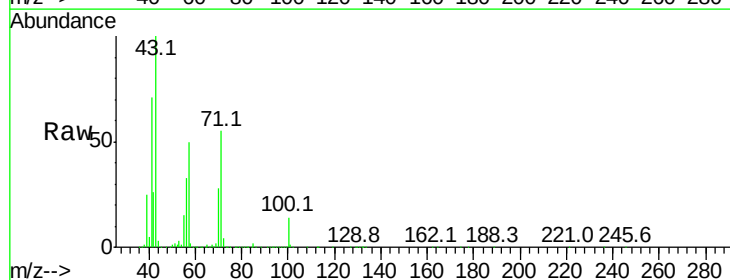
Acq: 28 Nov 2018 12:49

Tgt Ion: 43 Resp: 1791112

Ion Ratio Lower Upper

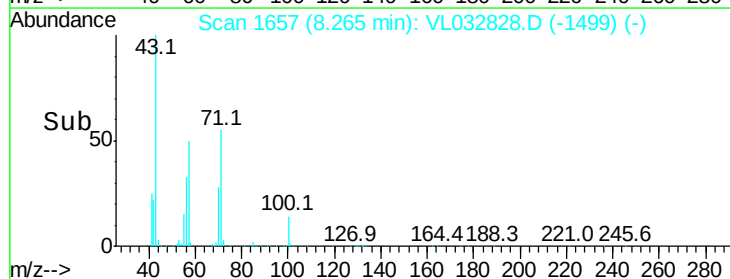
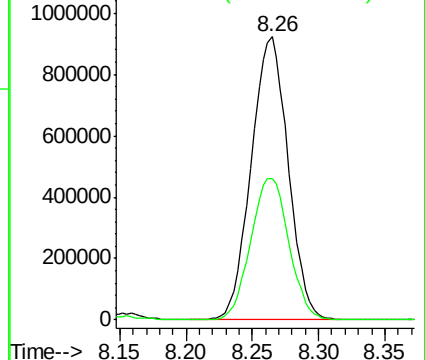
43 100

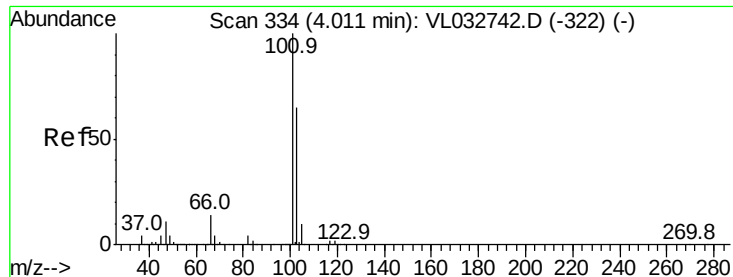
57 51.6 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 13.714 ppbv

RT: 4.01 min Scan# 335

Delta R.T. 0.00 min

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ClientSampleId :

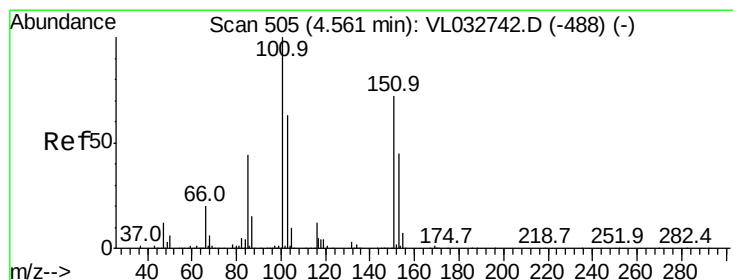
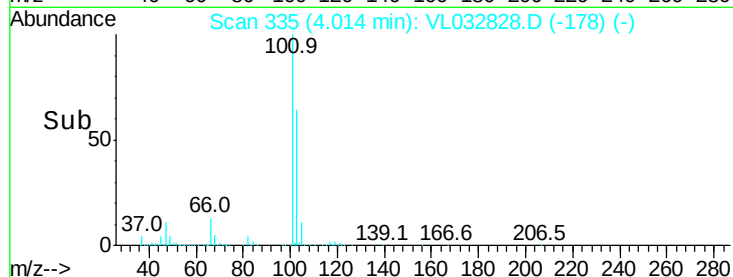
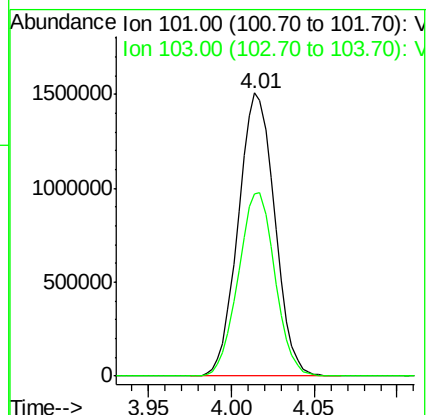
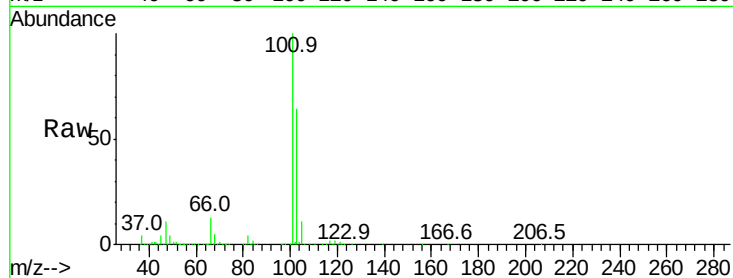
VSTDCCC010EC

Tgt Ion:101 Resp: 2306205

Ion Ratio Lower Upper

101 100

103 64.2 51.6 77.4



#12

1,1,2-Trichlorotrifluoroethane

Concen: 11.237 ppbv

RT: 4.56 min Scan# 506

Delta R.T. 0.00 min

Lab File: VL032828.D

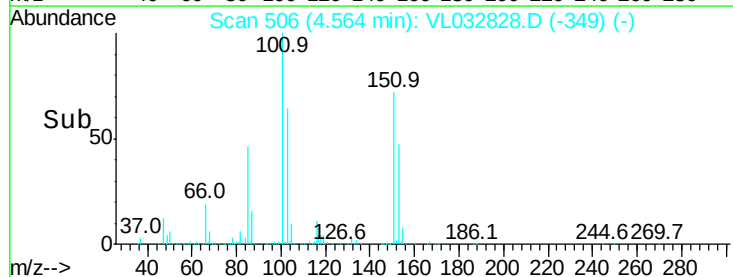
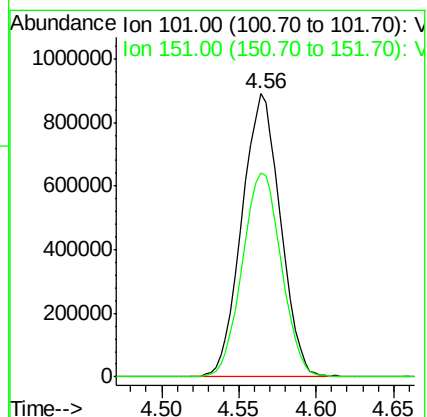
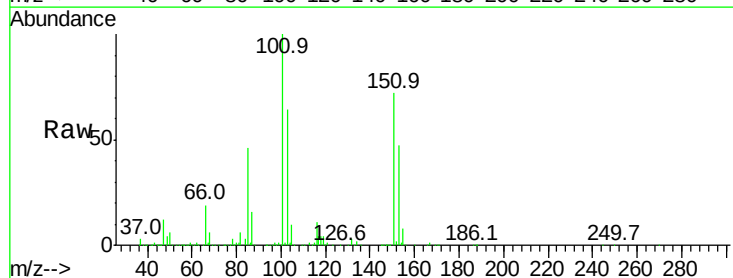
Acq: 28 Nov 2018 12:49

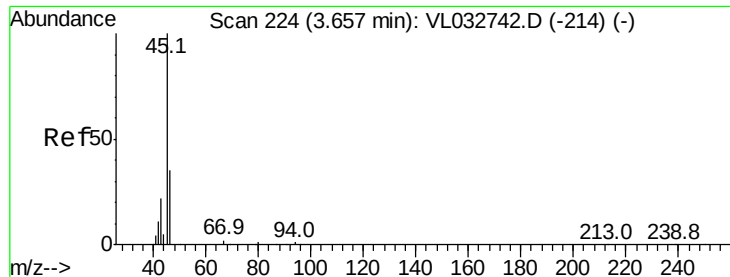
Tgt Ion:101 Resp: 1543466

Ion Ratio Lower Upper

101 100

151 73.3 56.7 85.1





#13

Ethanol

Concen: 11.957 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

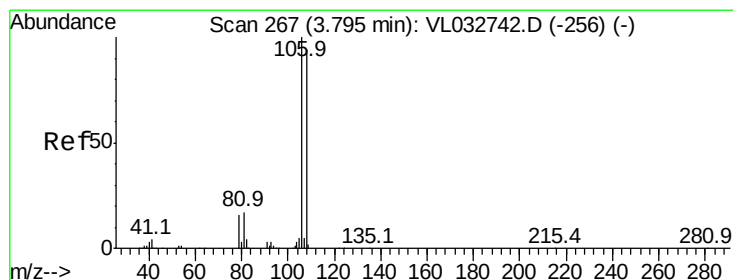
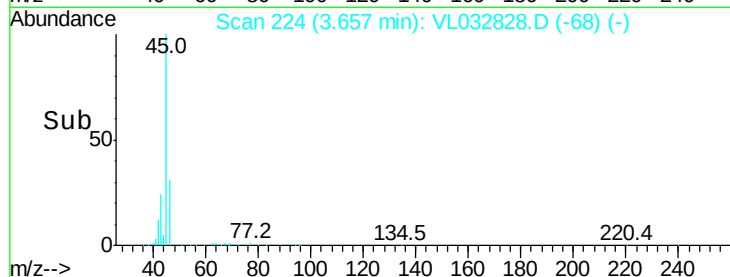
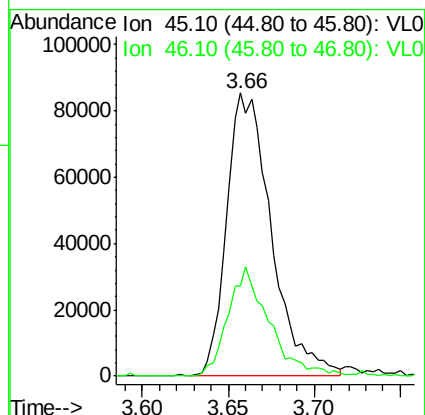
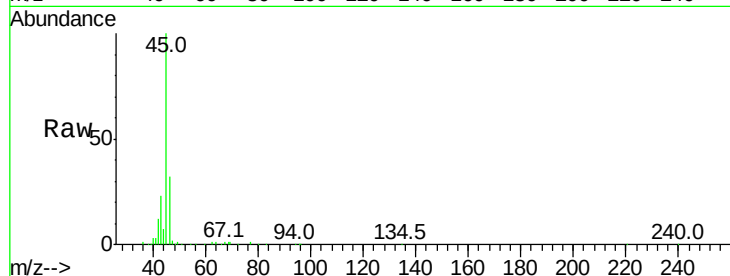
VSTDCCC010EC

Tgt Ion: 45 Resp: 154251

Ion Ratio Lower Upper

45 100

46 35.4 14.5 57.9



#14

Bromoethene

Concen: 15.304 ppbv

RT: 3.80 min Scan# 268

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

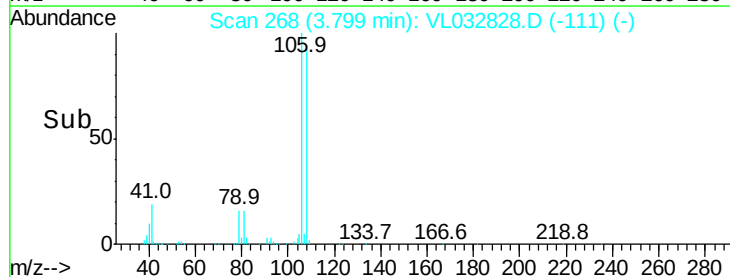
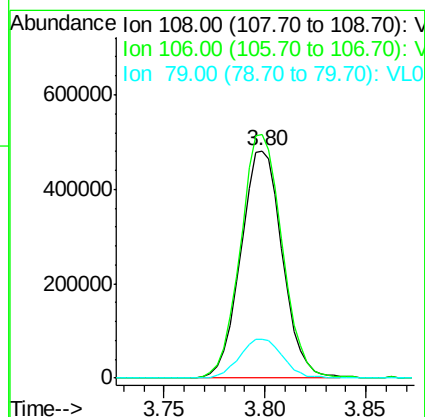
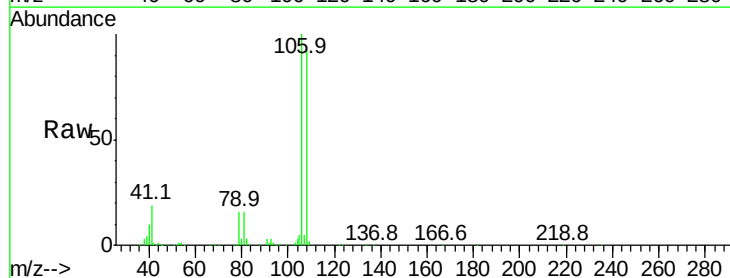
Tgt Ion: 108 Resp: 697428

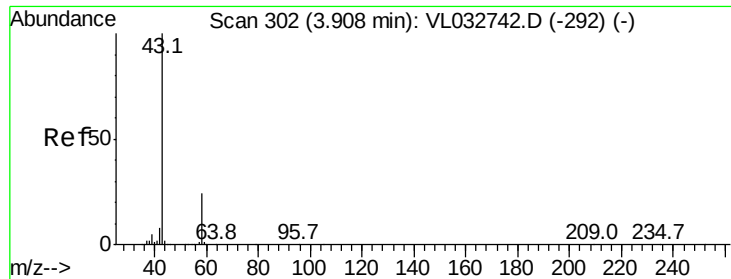
Ion Ratio Lower Upper

108 100

106 108.0 84.9 127.3

79 18.1 14.2 21.4





#15

Acetone

Concen: 13.089 ppbv

RT: 3.91 min Scan# 303

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

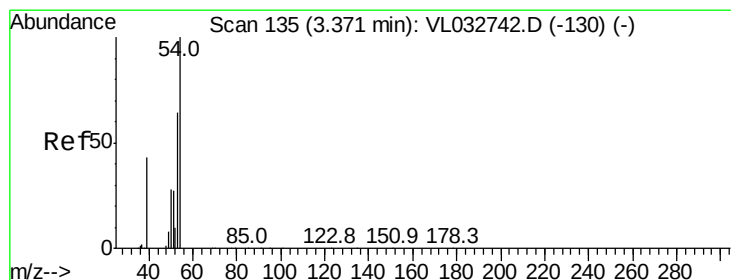
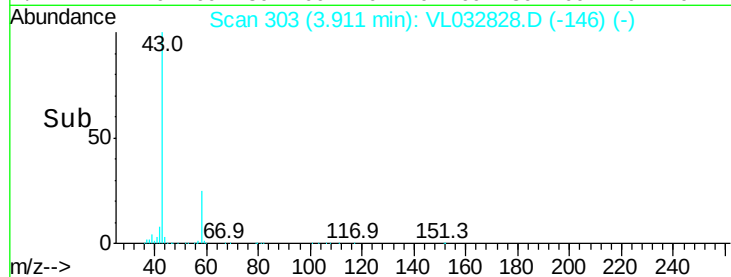
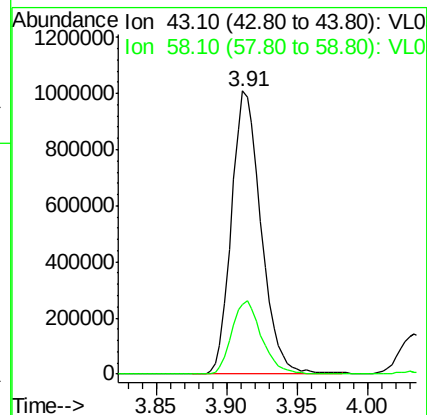
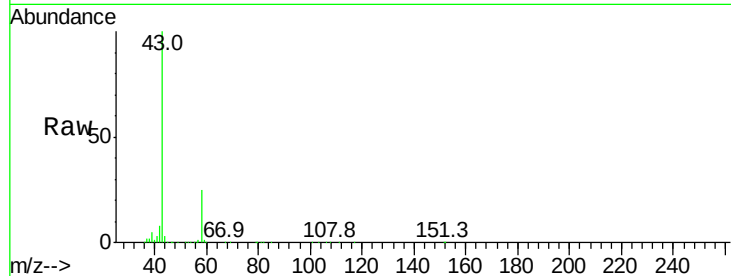
VSTDCCC010EC

Tgt Ion: 43 Resp: 1483918

Ion Ratio Lower Upper

43 100

58 26.4 21.1 31.7



#16

1,3-Butadiene

Concen: 11.962 ppbv

RT: 3.37 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL032828.D

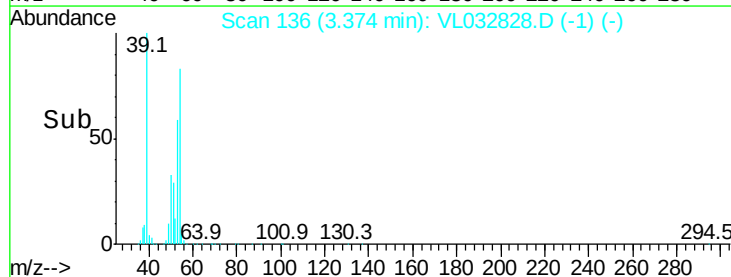
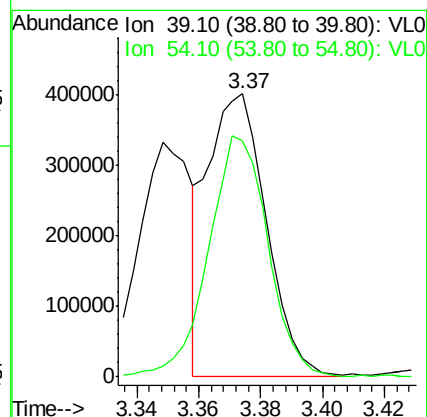
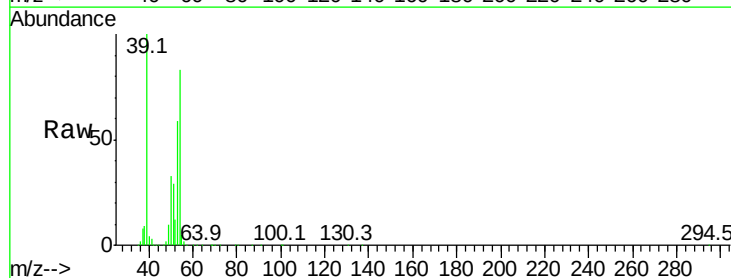
Acq: 28 Nov 2018 12:49

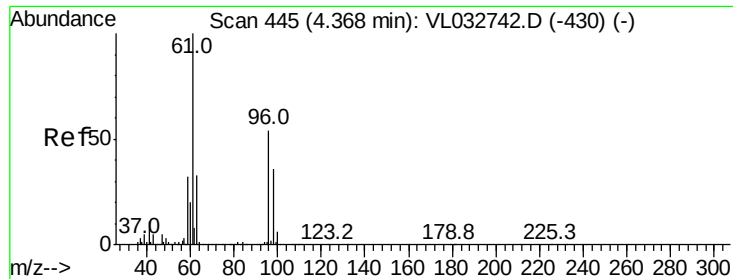
Tgt Ion: 39 Resp: 525190

Ion Ratio Lower Upper

39 100

54 87.9 68.9 103.3





#17

tert-Butyl alcohol

Concen: 11.981 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

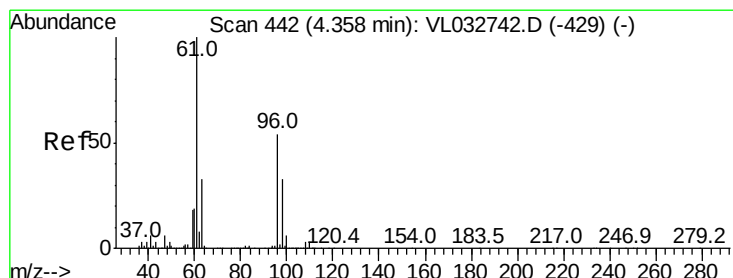
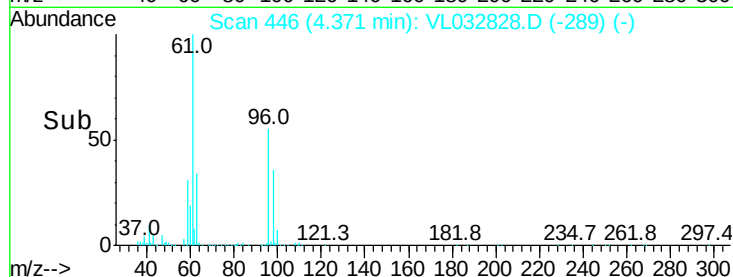
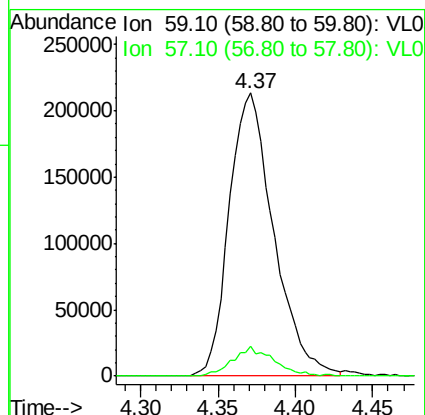
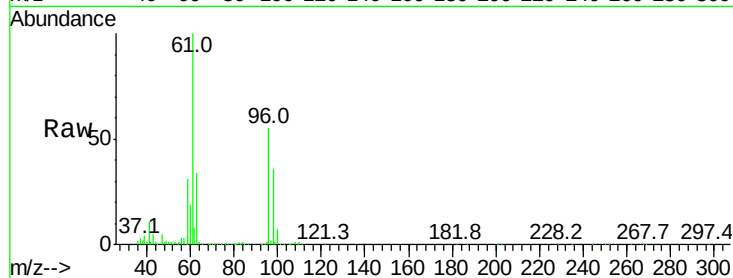
VSTDCCC010EC

Tgt Ion: 59 Resp: 426001

Ion Ratio Lower Upper

59 100

57 9.8 7.8 11.8



#18

1,1-Dichloroethene

Concen: 11.540 ppbv

RT: 4.36 min Scan# 444

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

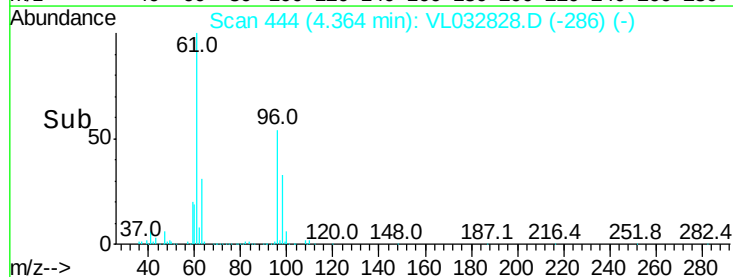
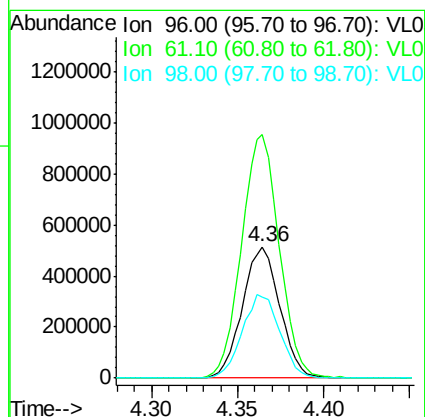
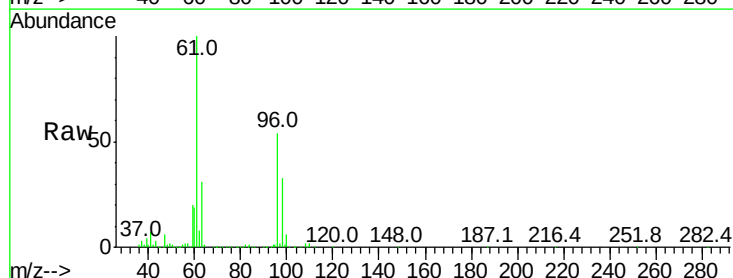
Tgt Ion: 96 Resp: 779482

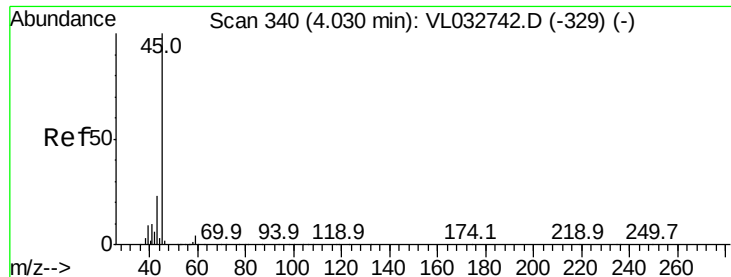
Ion Ratio Lower Upper

96 100

61 185.7 148.5 222.7

98 61.7 48.6 72.8



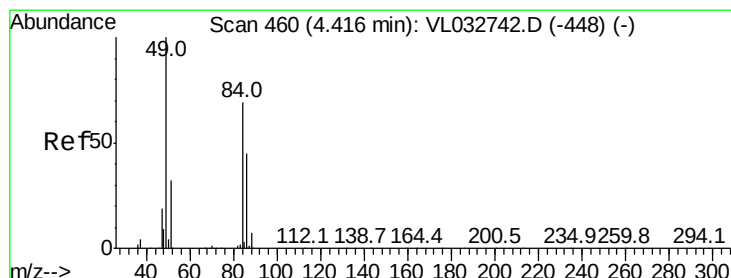
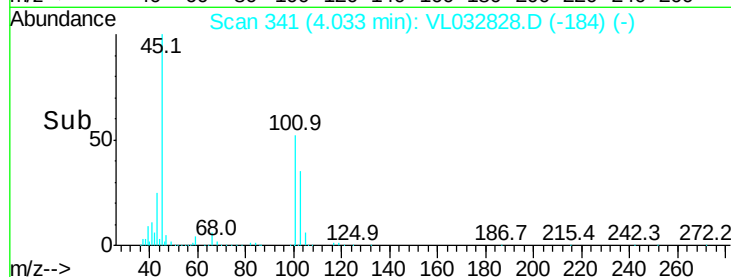
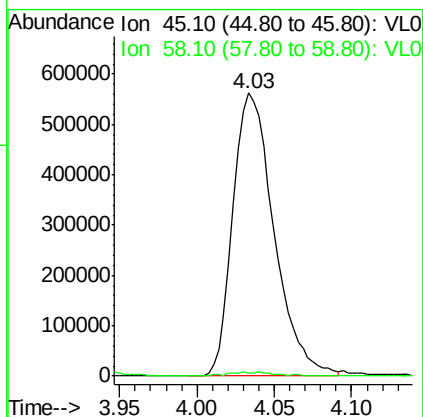
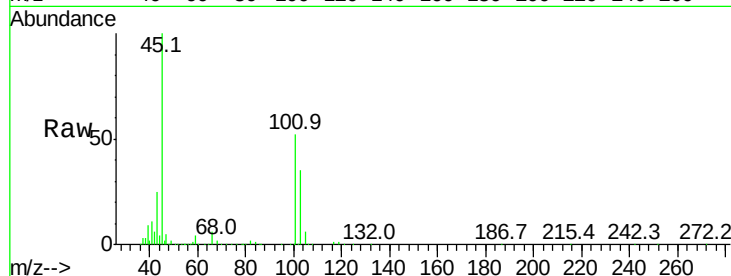


#19

Isopropyl Alcohol
 Concen: 13.728 ppbv
 RT: 4.03 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

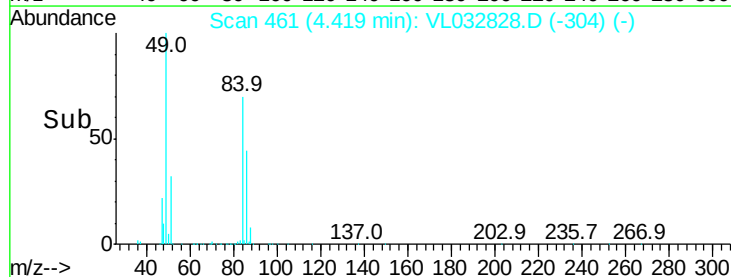
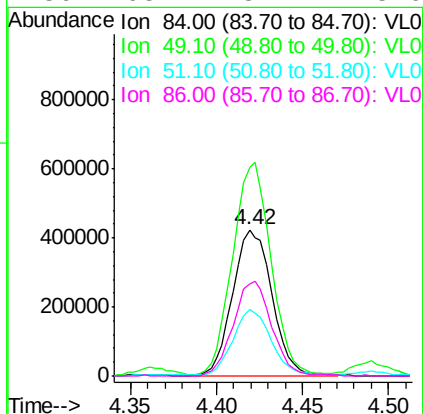
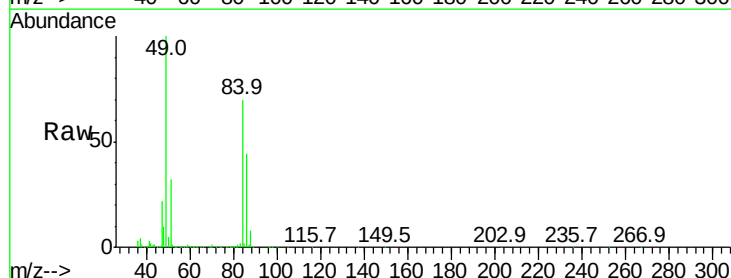
Tgt Ion: 45 Resp: 1036770
 Ion Ratio Lower Upper
 45 100
 58 1.8 1.4 2.0

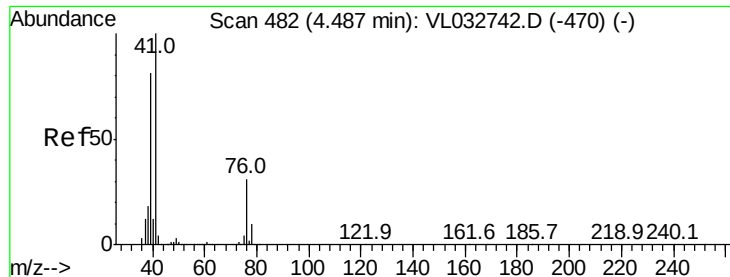


#20

Methylene Chloride
 Concen: 11.393 ppbv
 RT: 4.42 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 84 Resp: 668665
 Ion Ratio Lower Upper
 84 100
 49 142.5 115.8 173.6
 51 45.1 36.9 55.3
 86 63.1 52.4 78.6





#21

Allyl Chloride

Concen: 12.643 ppbv

RT: 4.49 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

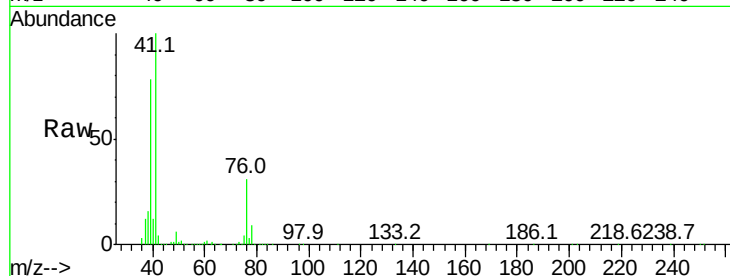
Tgt Ion: 41 Resp: 1204480

Ion Ratio Lower Upper

41 100

76 31.2 24.4 36.6

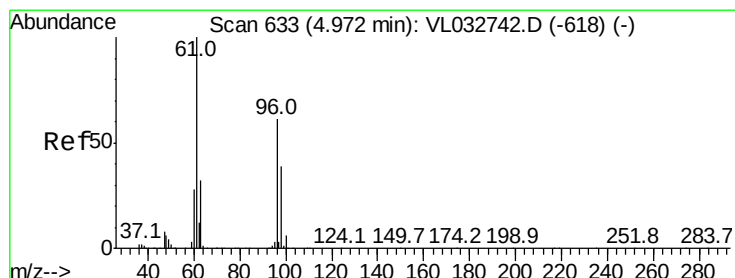
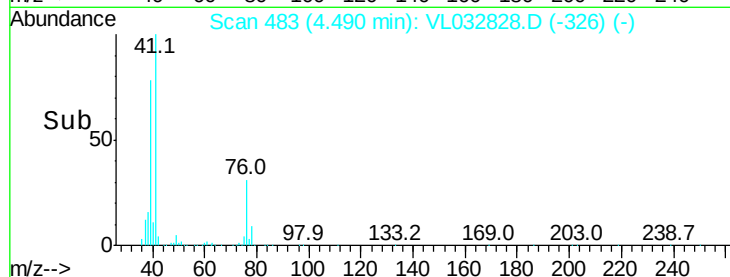
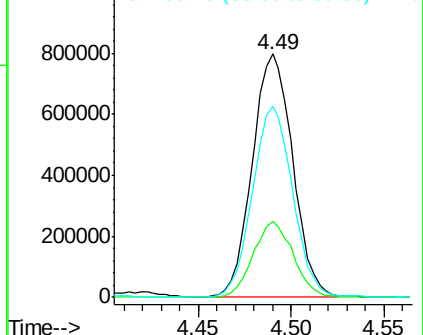
39 78.8 63.5 95.3



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 12.536 ppbv

RT: 4.98 min Scan# 634

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

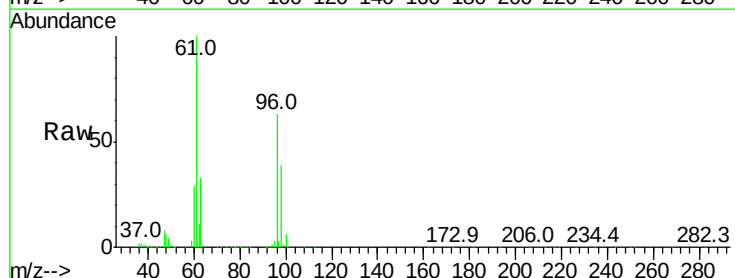
Tgt Ion: 96 Resp: 826836

Ion Ratio Lower Upper

96 100

61 158.6 130.2 195.2

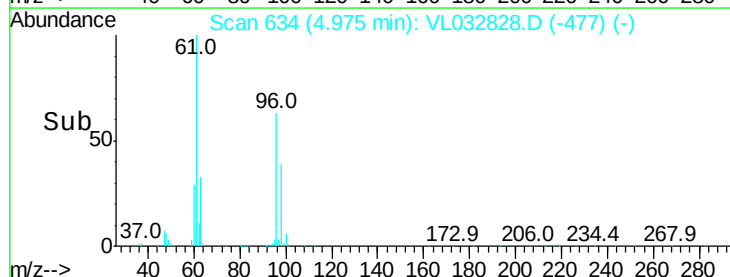
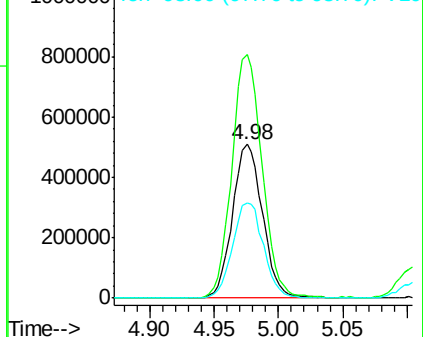
98 62.0 50.2 75.2

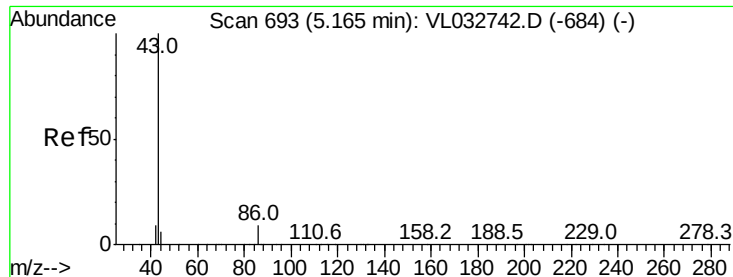


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.567 ppbv

RT: 5.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2390422

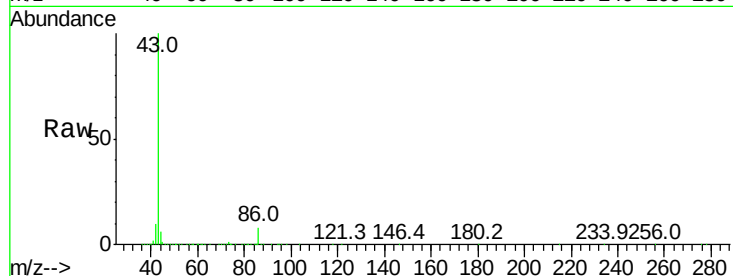
Ion Ratio Lower Upper

43 100

86 7.9 6.2 9.4

42 10.1 7.8 11.6

44 5.5 4.4 6.6

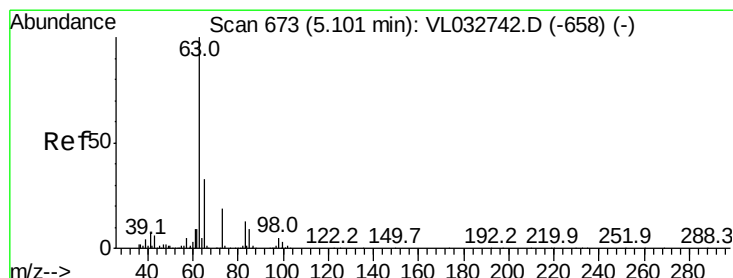
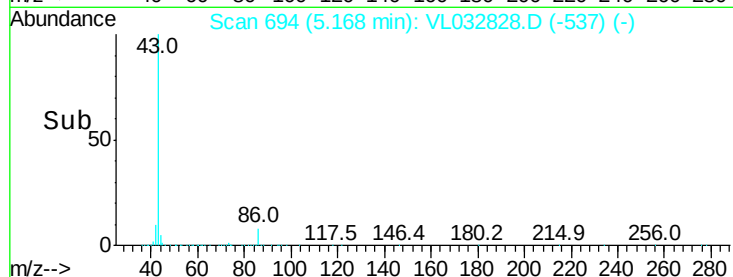
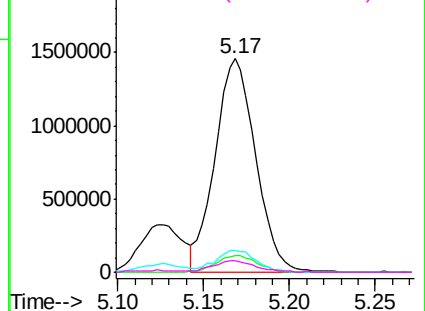


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 11.398 ppbv

RT: 5.10 min Scan# 674

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

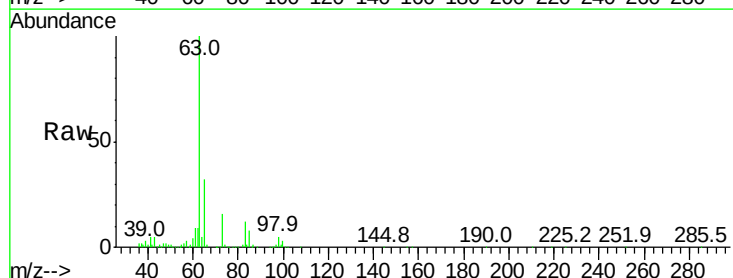
Tgt Ion: 63 Resp: 1872665

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.8

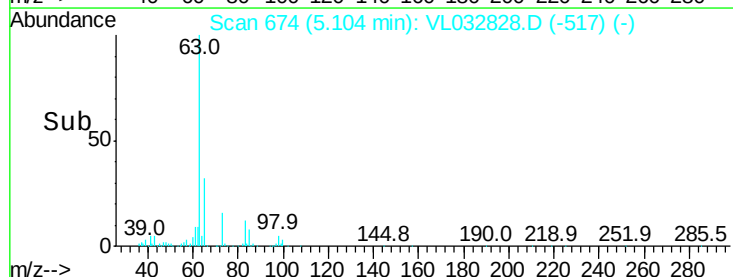
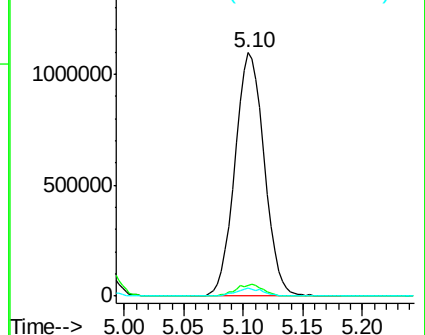
100 3.2 1.4 4.2

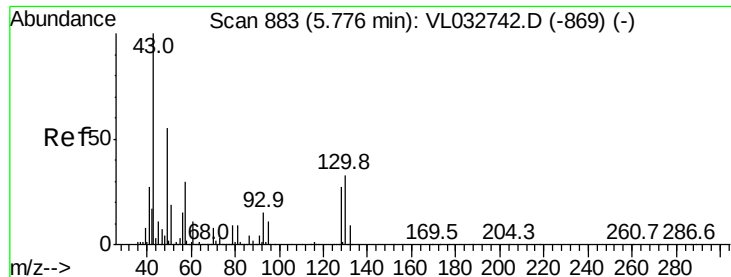


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 11.158 ppbv

RT: 5.78 min Scan# 885

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2948133

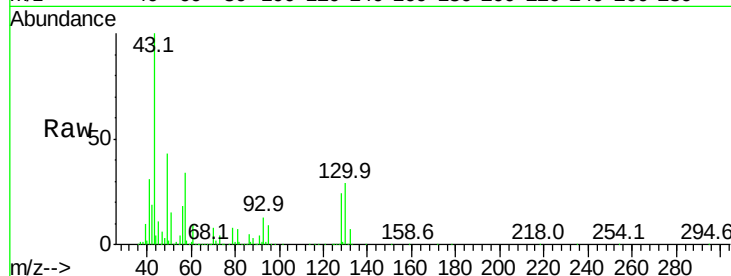
Ion Ratio Lower Upper

43 100

45 10.0 7.9 11.9

61 9.2 7.8 11.6

70 7.3 5.8 8.6

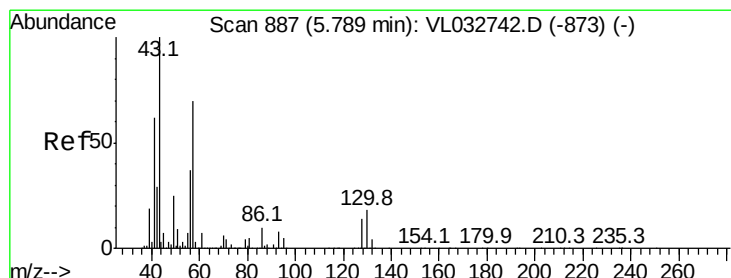
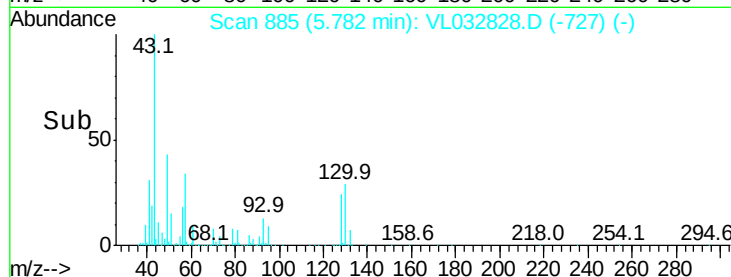
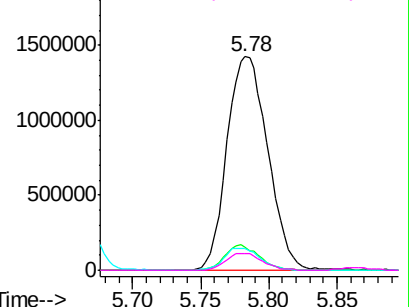


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 11.588 ppbv

RT: 5.80 min Scan# 889

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Tgt Ion: 57 Resp: 1362950

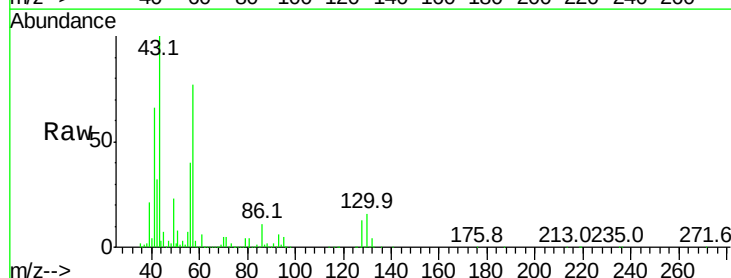
Ion Ratio Lower Upper

57 100

41 88.2 70.3 105.5

43 217.6 174.0 261.0

56 53.0 42.3 63.5

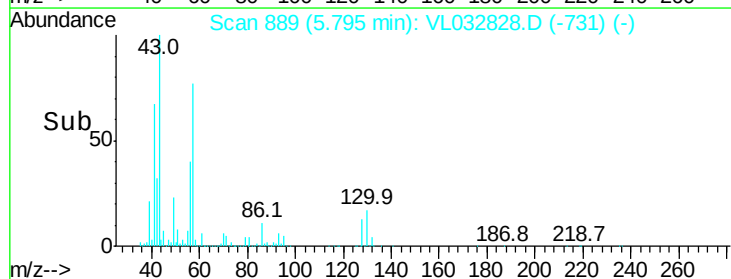
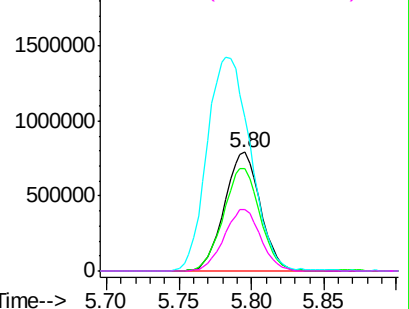


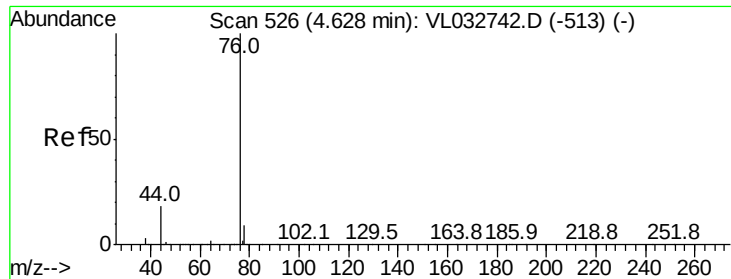
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 12.748 ppbv

RT: 4.63 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

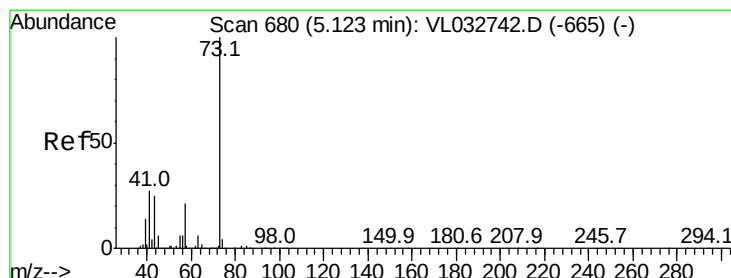
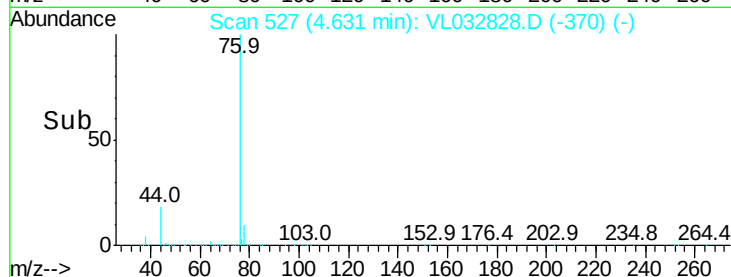
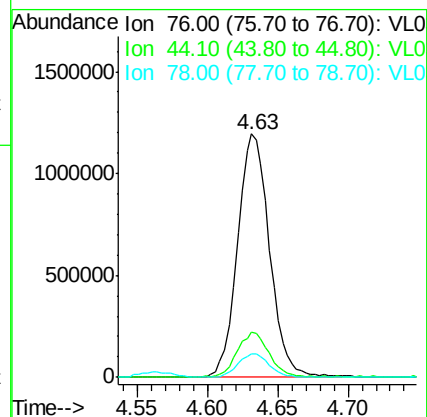
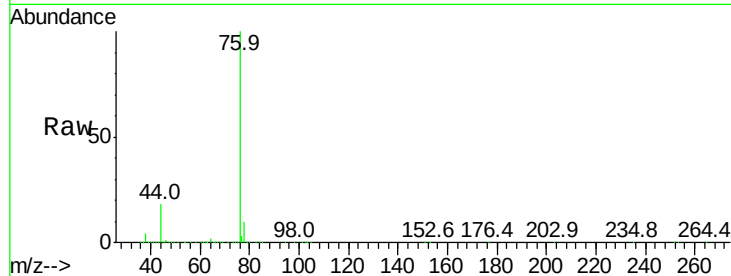
Tgt Ion: 76 Resp: 1901325

Ion Ratio Lower Upper

76 100

44 18.2 14.4 21.6

78 9.4 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 12.136 ppbv

RT: 5.12 min Scan# 680

Delta R.T. 0.00 min

Lab File: VL032828.D

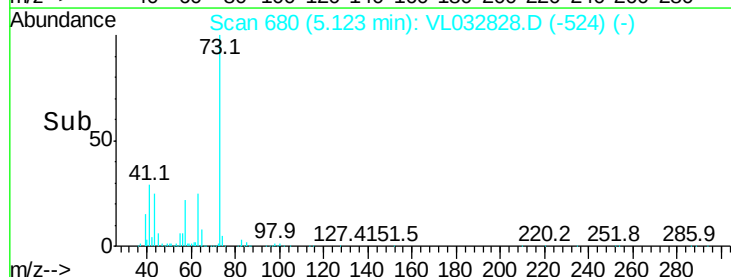
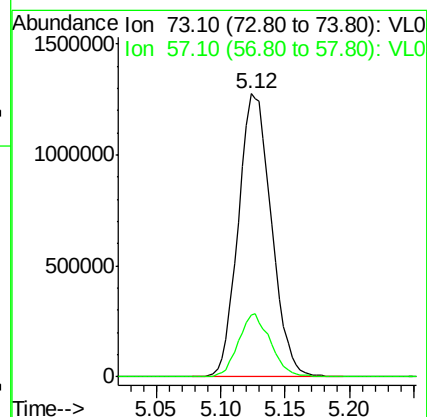
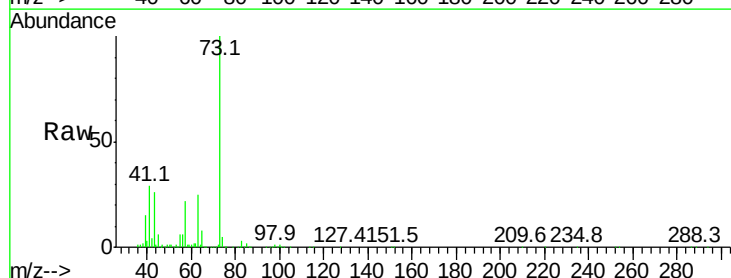
Acq: 28 Nov 2018 12:49

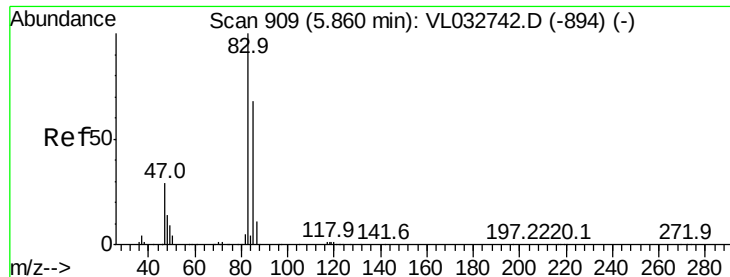
Tgt Ion: 73 Resp: 2276422

Ion Ratio Lower Upper

73 100

57 21.8 17.5 26.3





#29

Chloroform

Concen: 11.407 ppbv

RT: 5.87 min Scan# 911

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

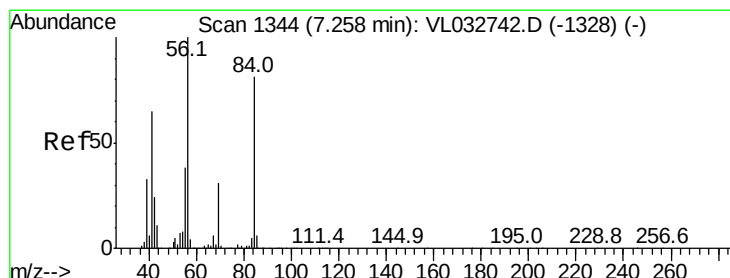
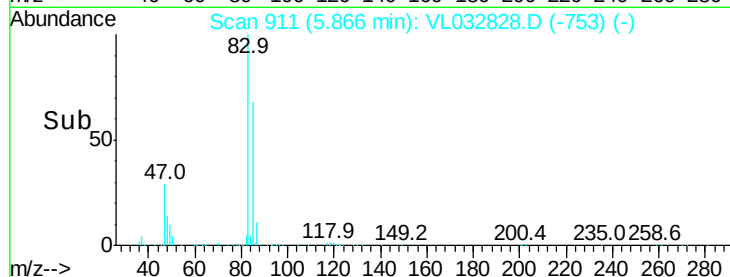
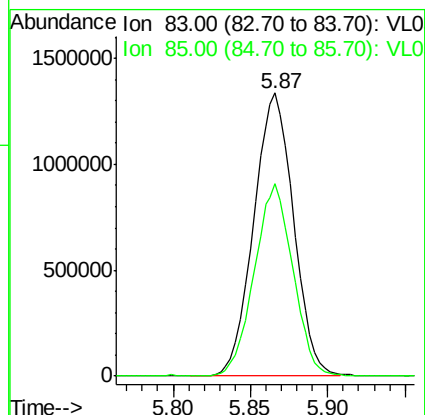
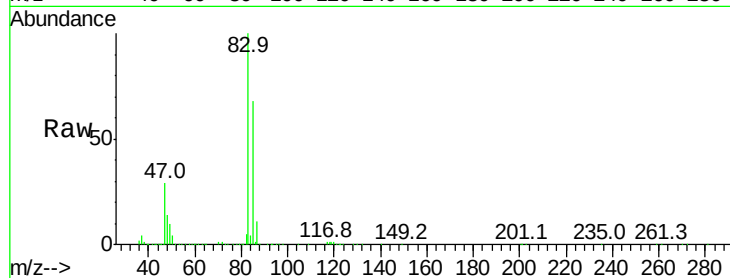
VSTDCCC010EC

Tgt Ion: 83 Resp: 2391440

Ion Ratio Lower Upper

83 100

85 67.8 54.2 81.4



#30

Cyclohexane

Concen: 12.012 ppbv

RT: 7.26 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

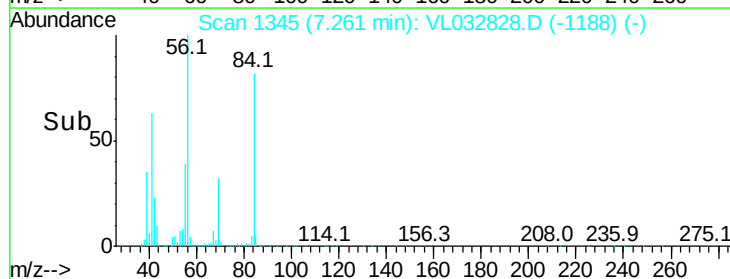
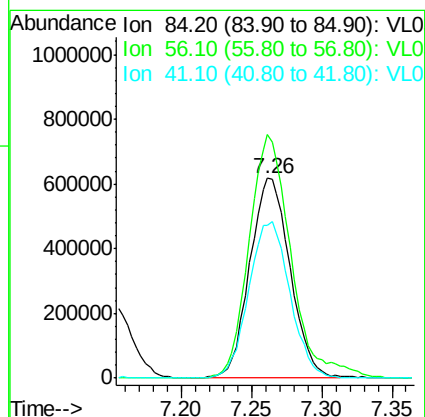
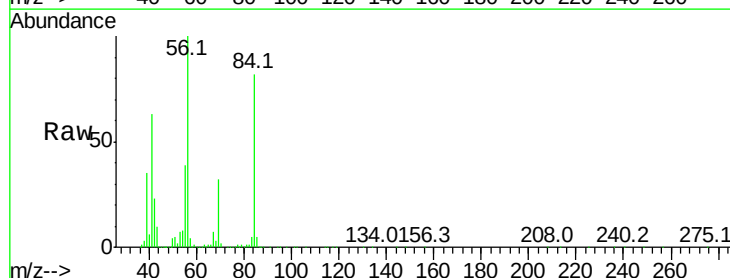
Tgt Ion: 84 Resp: 1235769

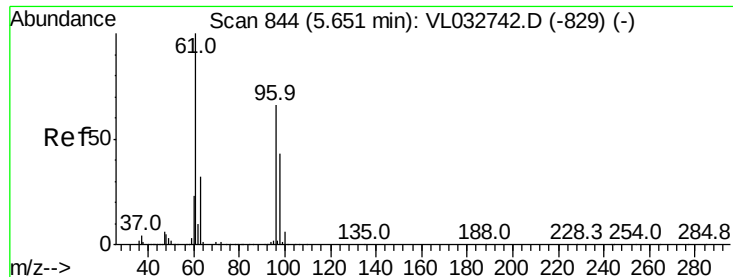
Ion Ratio Lower Upper

84 100

56 127.1 105.0 157.4

41 80.2 65.3 97.9





#31

cis-1,2-Dichloroethene

Concen: 12.019 ppbv

RT: 5.66 min Scan# 846

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

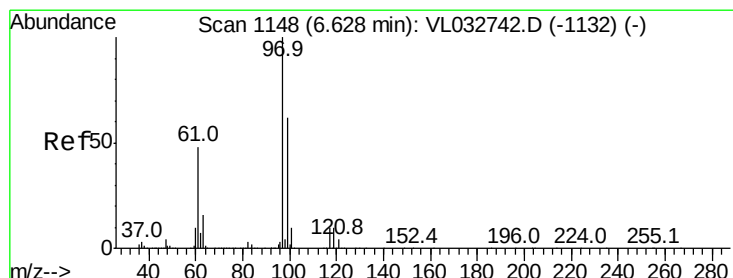
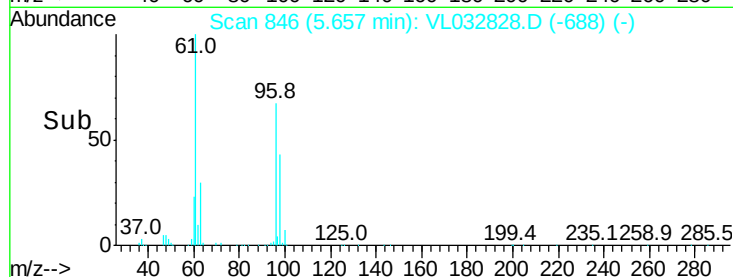
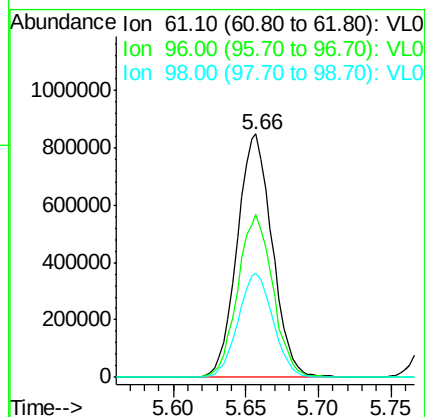
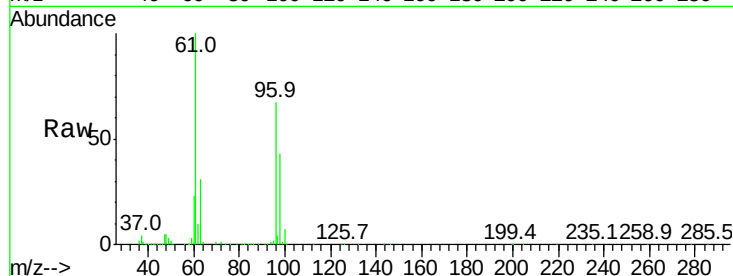
Tgt Ion: 61 Resp: 1421295

Ion Ratio Lower Upper

61 100

96 66.8 53.2 79.8

98 43.0 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 10.909 ppbv

RT: 6.64 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

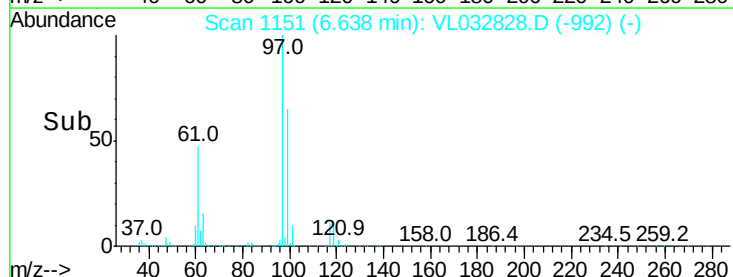
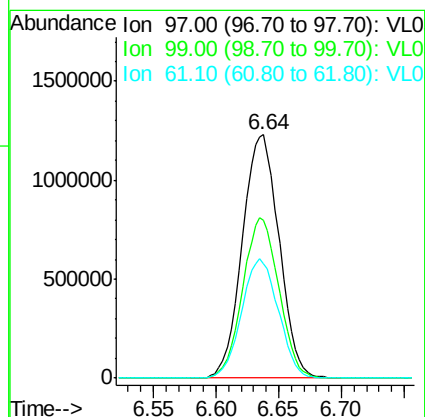
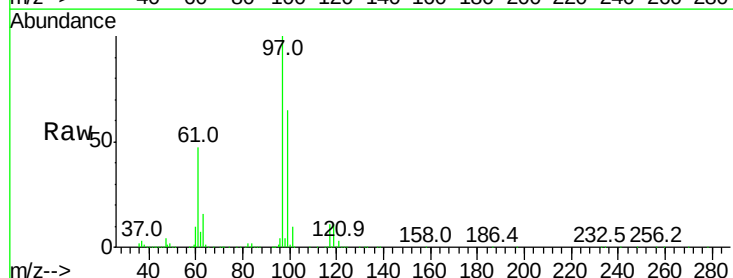
Tgt Ion: 97 Resp: 2506763

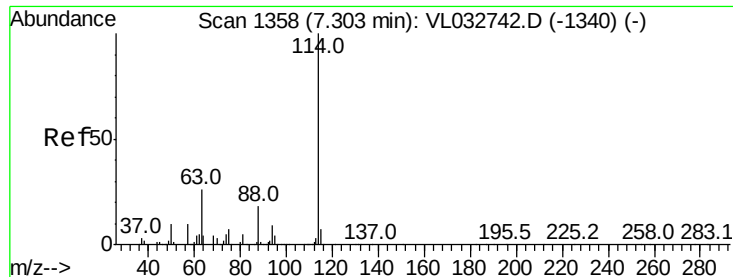
Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

61 48.8 39.7 59.5

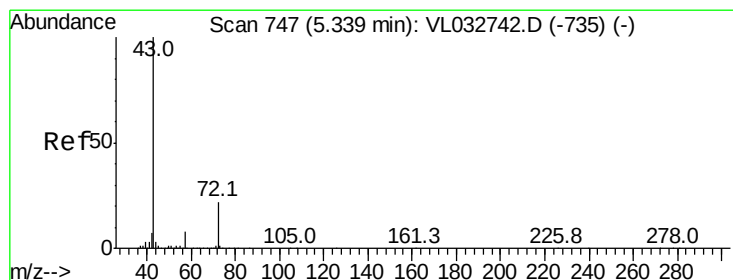
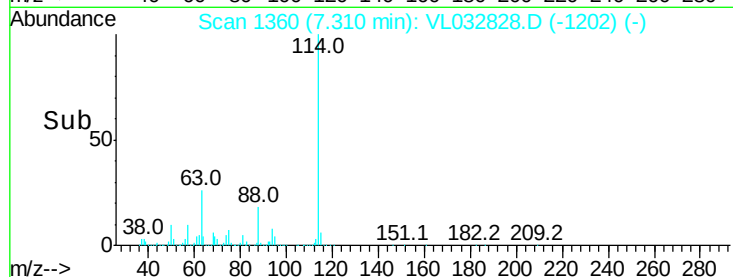
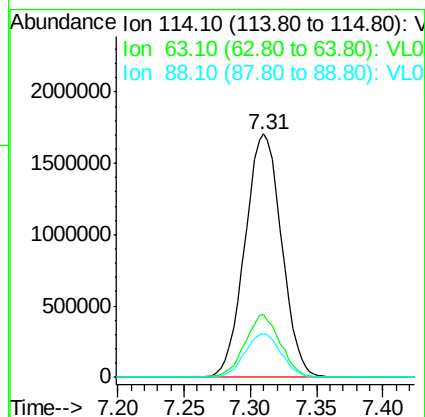
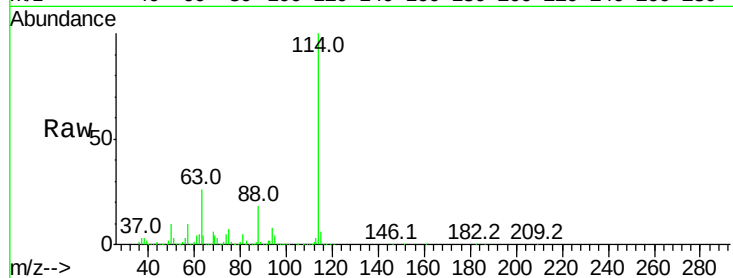




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

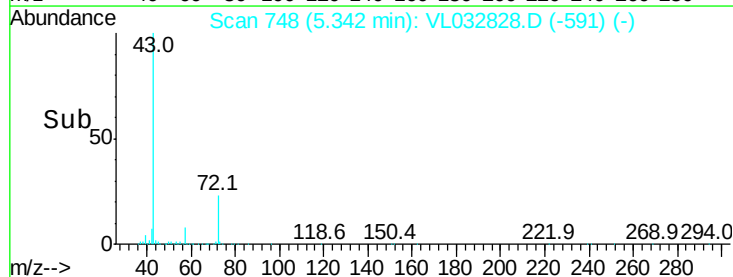
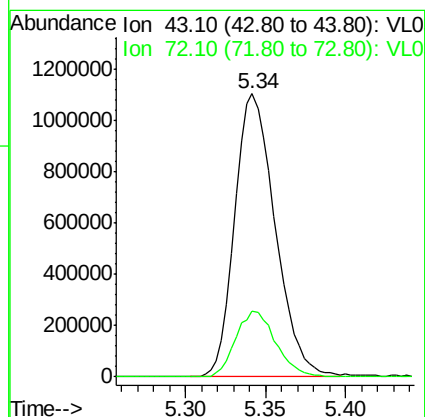
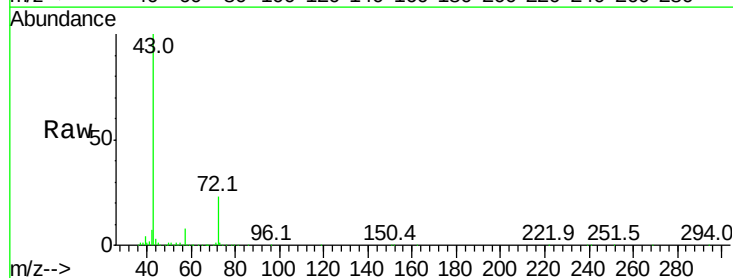
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

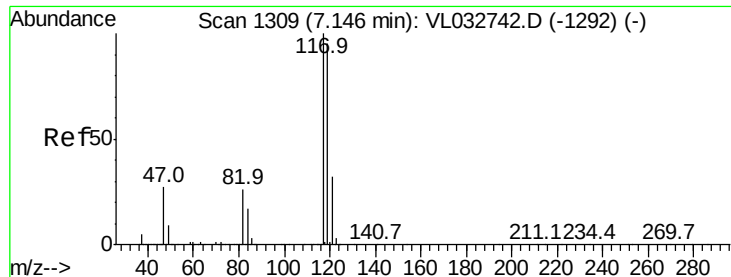
Tgt Ion:114 Resp: 3278048
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.9 31.3
 88 17.7 14.4 21.6



#34
 2-Butanone
 Concen: 11.156 ppbv
 RT: 5.34 min Scan# 748
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 43 Resp: 1896791
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.4 27.6





#35

Carbon Tetrachloride

Concen: 10.449 ppbv

RT: 7.15 min Scan# 1310

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

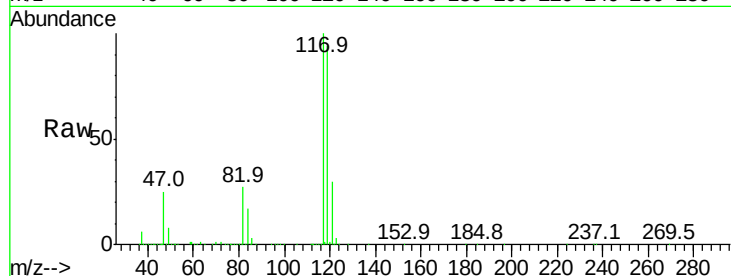
Tgt Ion:117 Resp: 2753435

Ion Ratio Lower Upper

117 100

119 94.0 76.1 114.1

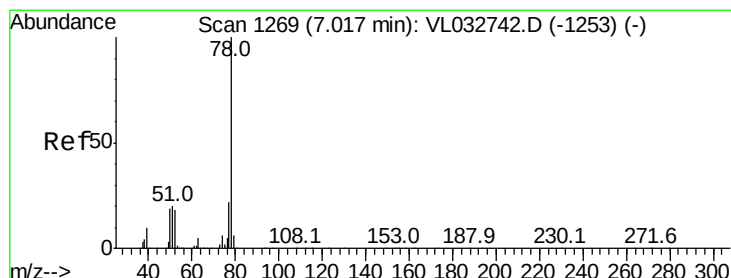
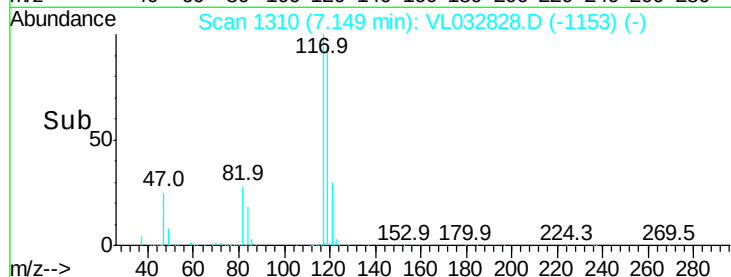
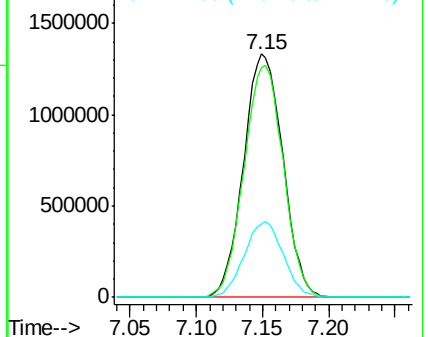
121 30.4 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.324 ppbv

RT: 7.02 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

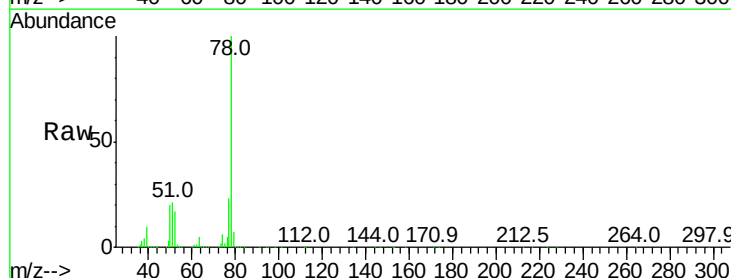
Tgt Ion: 78 Resp: 2955965

Ion Ratio Lower Upper

78 100

77 23.3 17.8 26.8

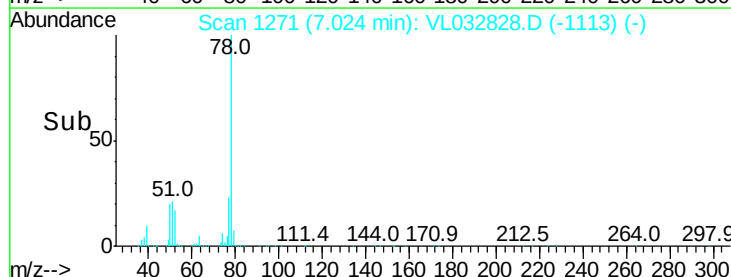
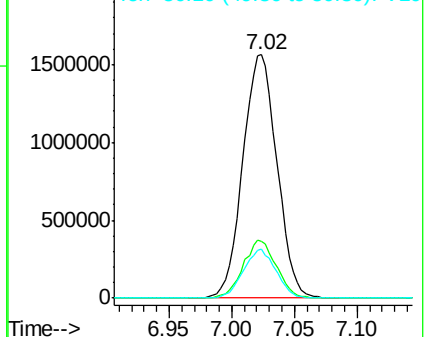
50 20.3 15.4 23.0

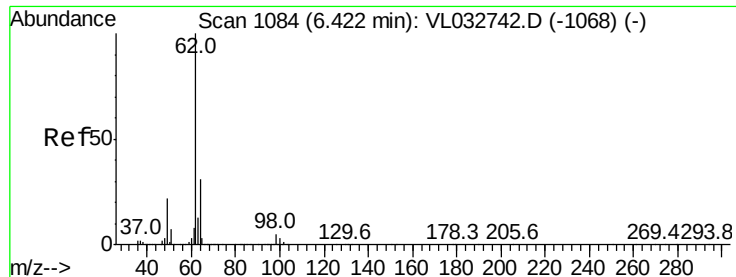


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

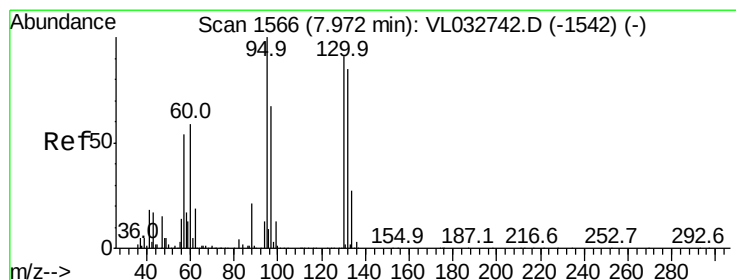
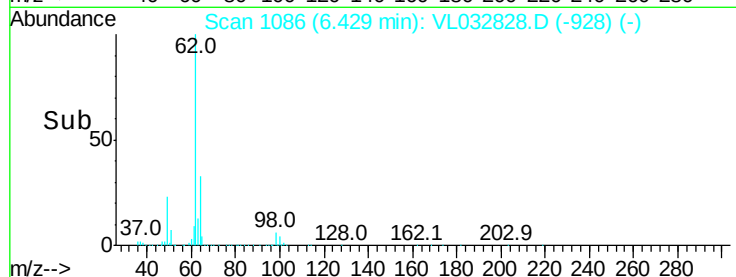
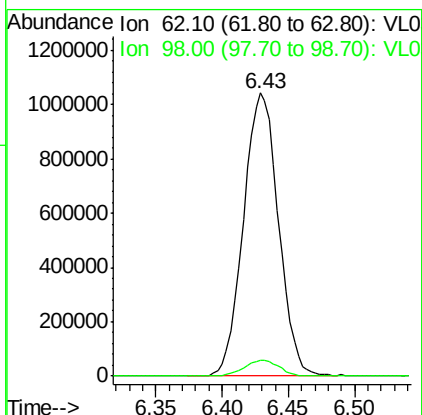
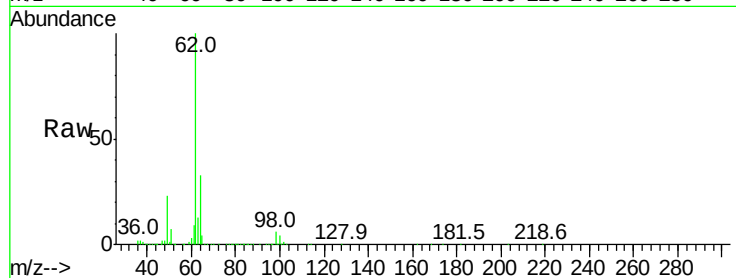




#37
 1,2-Dichloroethane
 Concen: 10.896 ppbv
 RT: 6.43 min Scan# 1086
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

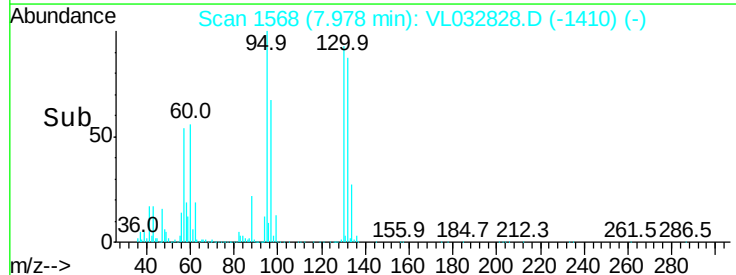
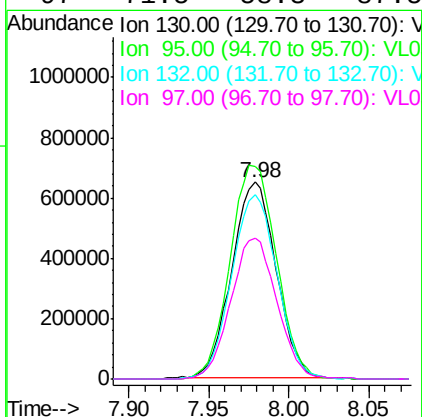
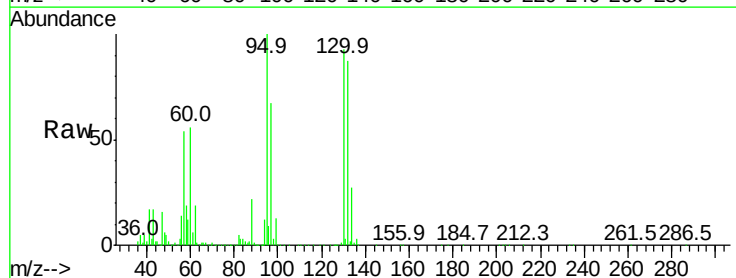
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

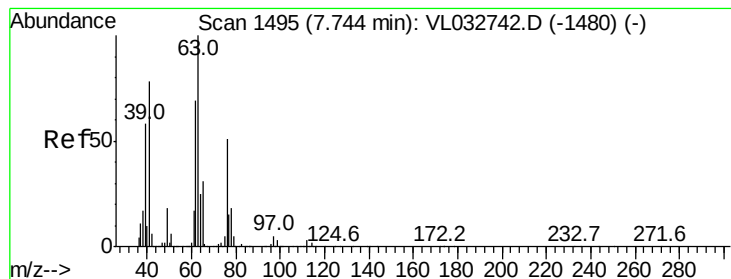
Tgt Ion: 62 Resp: 1914678
 Ion Ratio Lower Upper
 62 100
 98 5.8 4.5 6.7



#38
 Trichloroethene
 Concen: 11.674 ppbv
 RT: 7.98 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 130 Resp: 1233281
 Ion Ratio Lower Upper
 130 100
 95 107.5 87.7 131.5
 132 93.4 74.6 111.8
 97 71.5 58.3 87.5

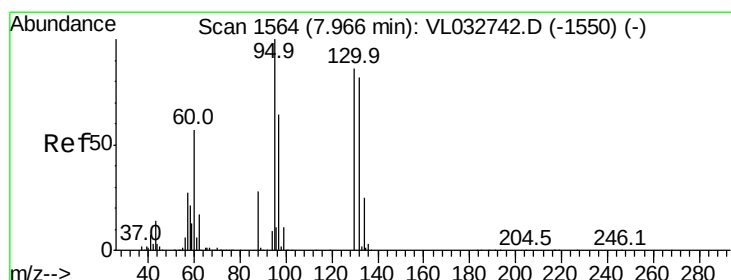
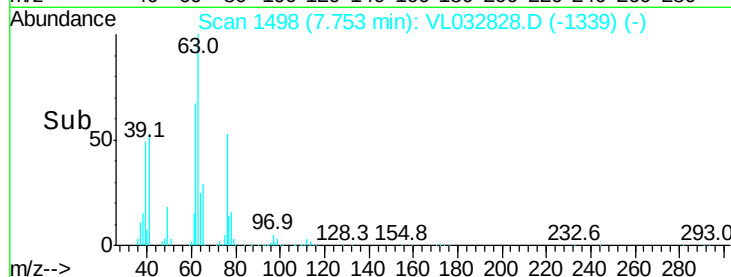
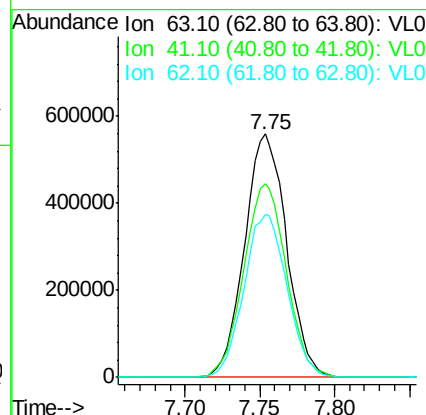
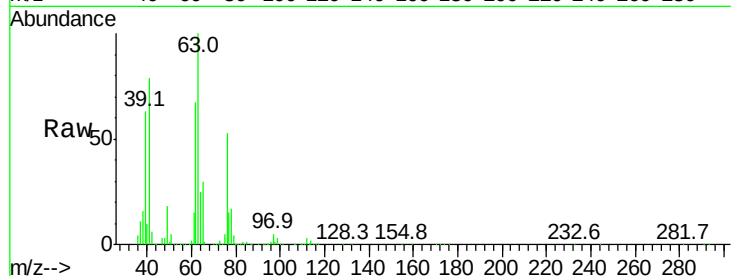




#39
 1,2-Dichloropropane
 Concen: 11.007 ppbv
 RT: 7.75 min Scan# 1498
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

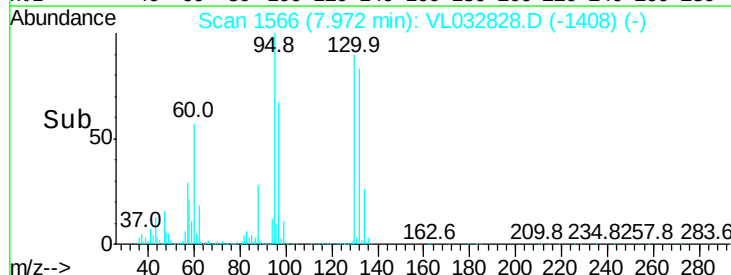
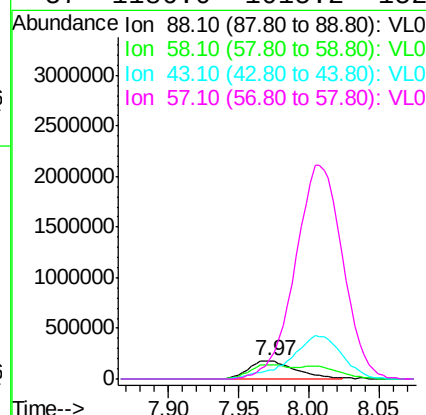
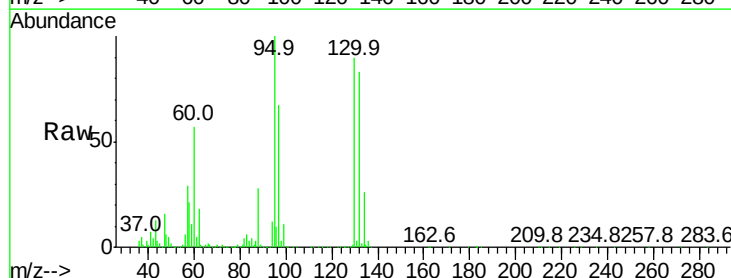
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

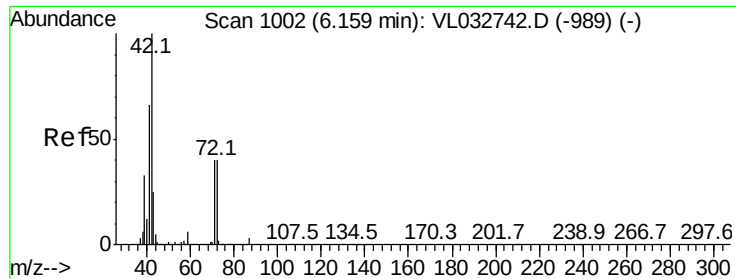
Tgt Ion: 63 Resp: 1094713
 Ion Ratio Lower Upper
 63 100
 41 79.3 62.0 93.0
 62 66.8 55.4 83.2



#40
 1,4-Dioxane
 Concen: 11.810 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 88 Resp: 419510
 Ion Ratio Lower Upper
 88 100
 58 128.1 105.3 157.9
 43 261.3 226.1 339.1
 57 1186.0 1015.2 1522.8





#41

Tetrahydrofuran

Concen: 11.676 ppbv

RT: 6.16 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

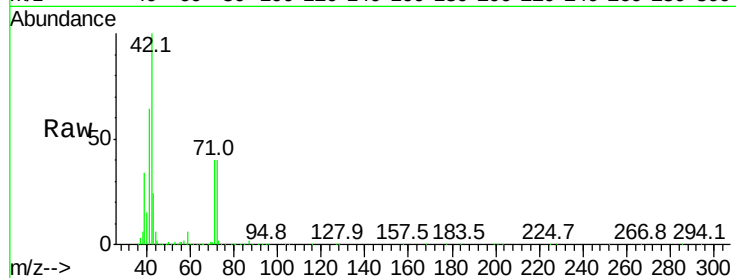
Tgt Ion: 42 Resp: 1138656

Ion Ratio Lower Upper

42 100

72 40.2 32.4 48.6

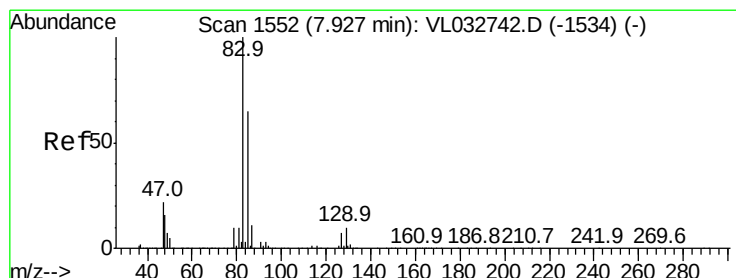
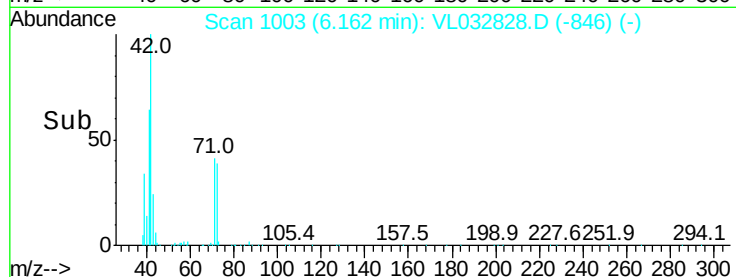
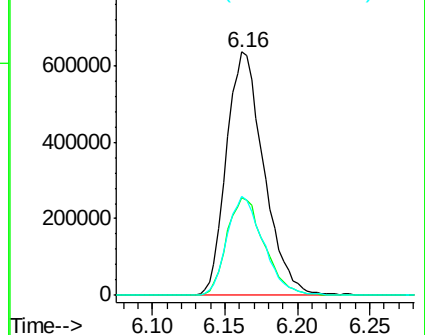
71 39.8 31.6 47.4



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 11.089 ppbv

RT: 7.93 min Scan# 1554

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

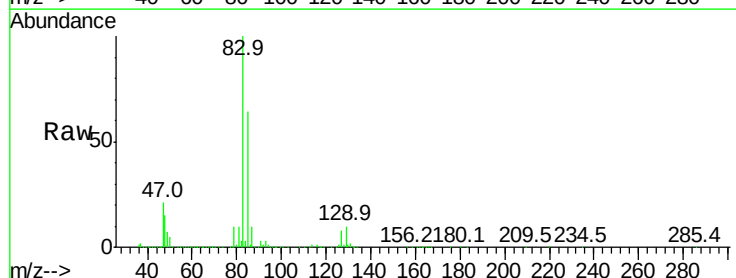
Tgt Ion: 83 Resp: 2641539

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.8

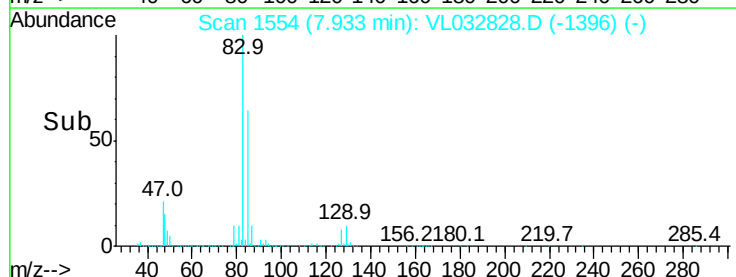
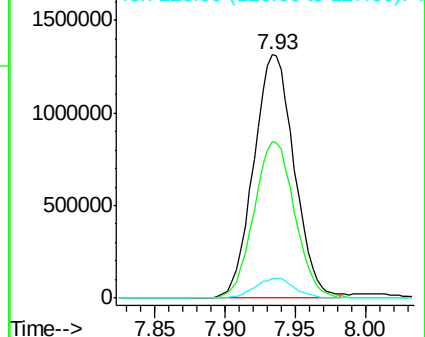
127 8.2 5.9 8.9

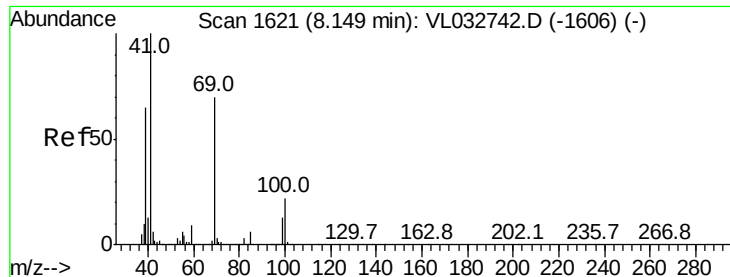


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V

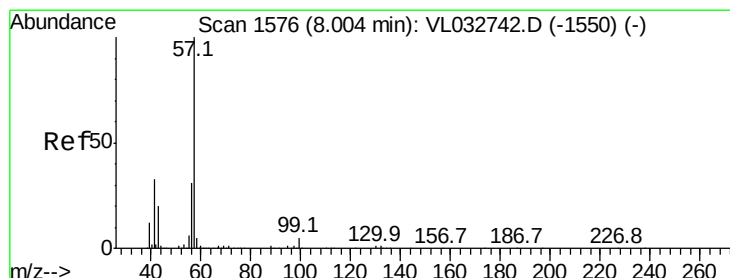
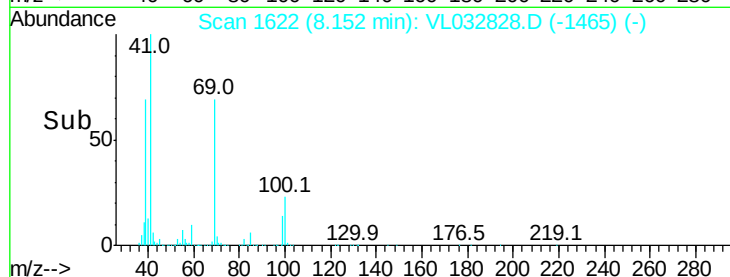
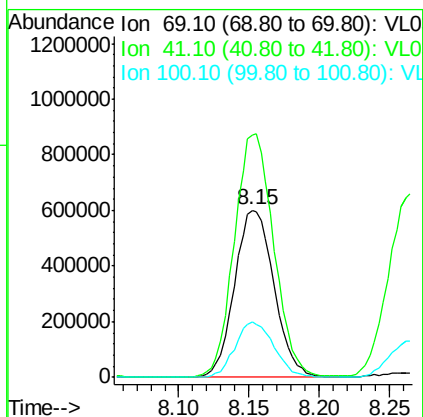
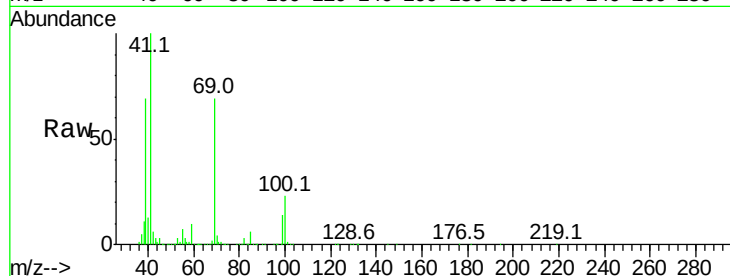




#43
Methyl Methacrylate
Concen: 12.080 ppbv
RT: 8.15 min Scan# 1622
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

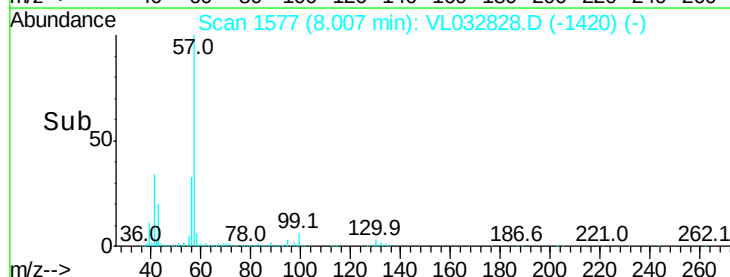
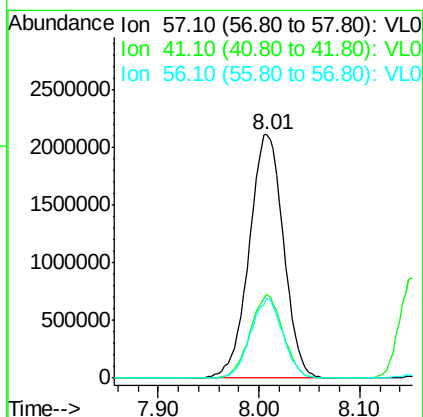
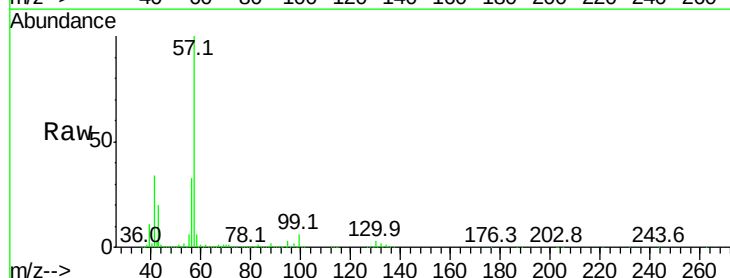
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

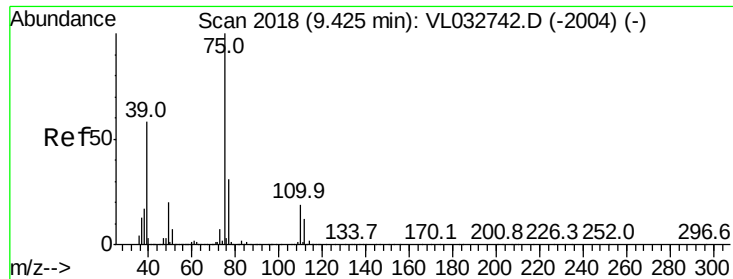
Tgt Ion: 69 Resp: 1177250
Ion Ratio Lower Upper
69 100
41 145.5 115.0 172.4
100 32.6 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 11.401 ppbv
RT: 8.01 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion: 57 Resp: 4973146
Ion Ratio Lower Upper
57 100
41 32.8 26.6 39.8
56 30.8 24.8 37.2

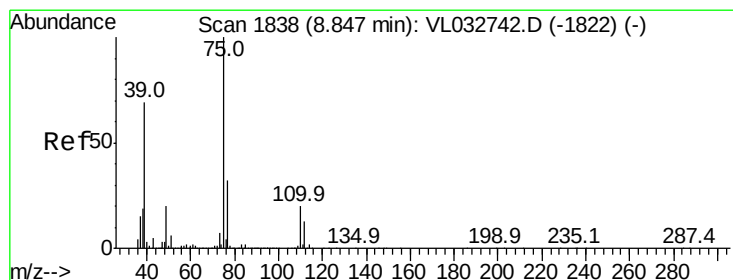
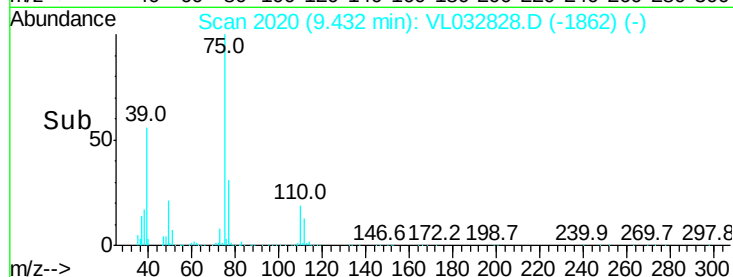
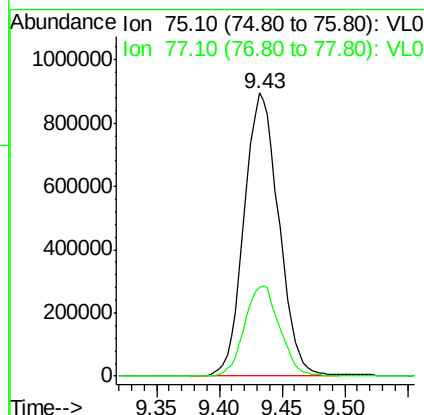
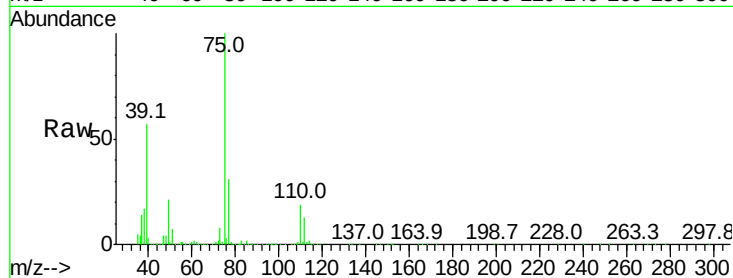




#45
 t-1,3-Dichloropropene
 Concen: 13.159 ppbv
 RT: 9.43 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

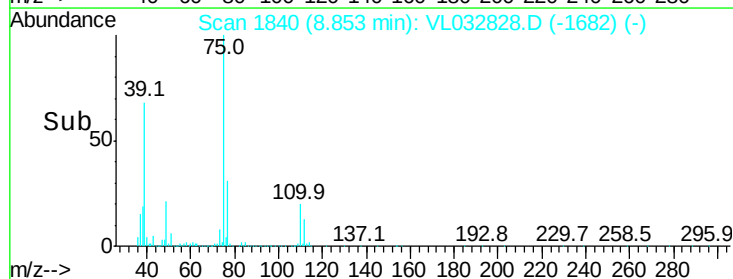
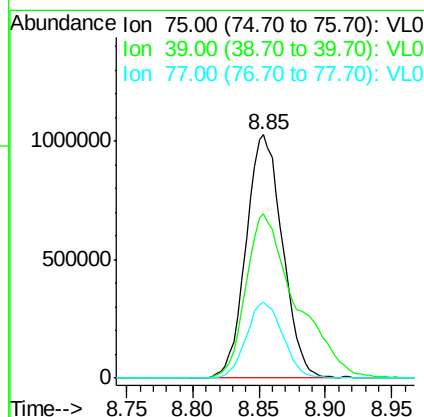
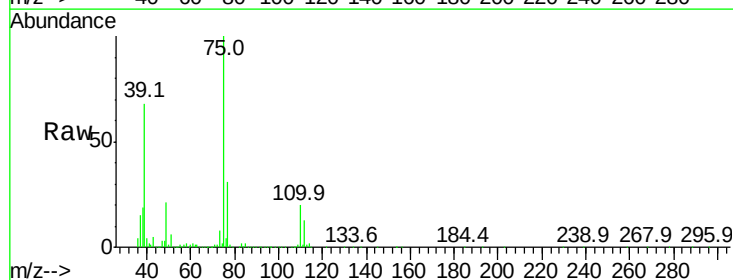
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

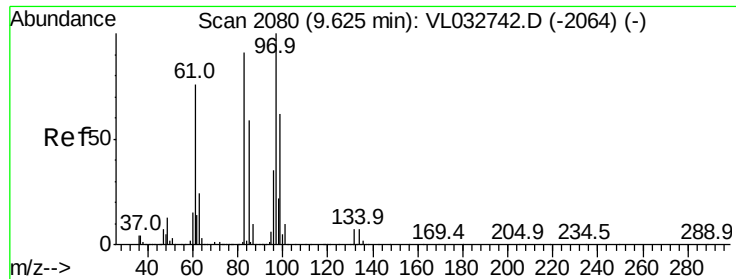
Tgt Ion: 75 Resp: 1720768
 Ion Ratio Lower Upper
 75 100
 77 31.4 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 12.454 ppbv
 RT: 8.85 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 75 Resp: 1967627
 Ion Ratio Lower Upper
 75 100
 39 67.6 55.2 82.8
 77 31.1 25.8 38.6





#47

1,1,2-Trichloroethane

Concen: 11.230 ppbv

RT: 9.63 min Scan# 2082

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 1320679

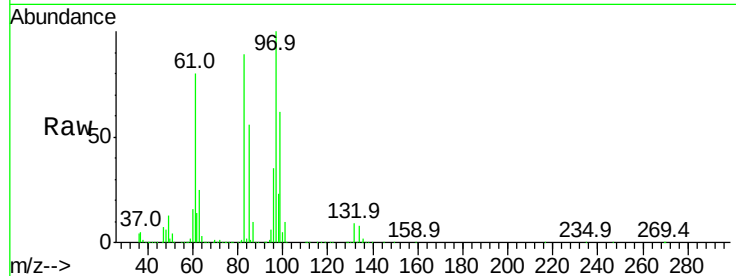
Ion Ratio Lower Upper

97 100

83 88.5 73.0 109.4

85 55.6 47.0 70.4

99 62.0 49.9 74.9

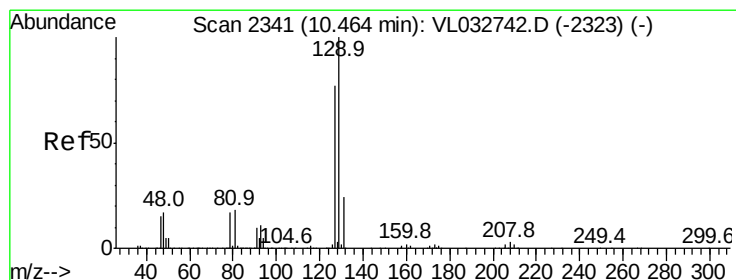
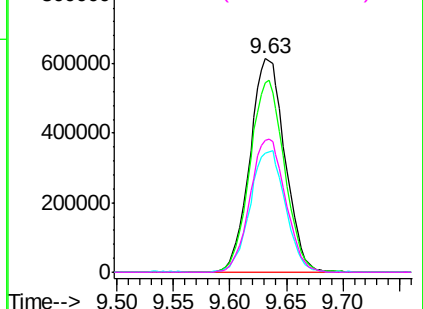
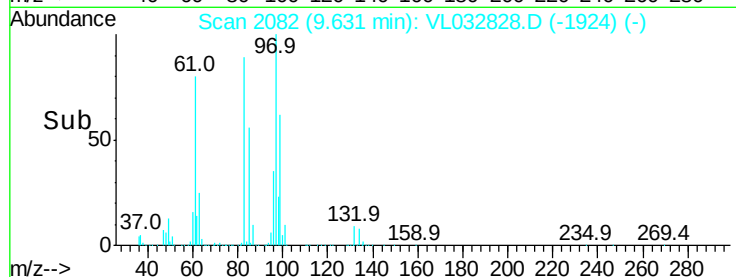


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.175 ppbv

RT: 10.47 min Scan# 2343

Delta R.T. 0.01 min

Lab File: VL032828.D

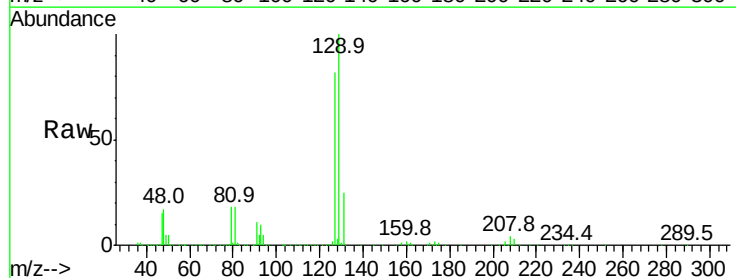
Acq: 28 Nov 2018 12:49

Tgt Ion: 129 Resp: 2233743

Ion Ratio Lower Upper

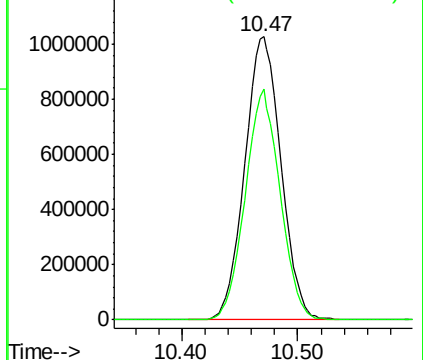
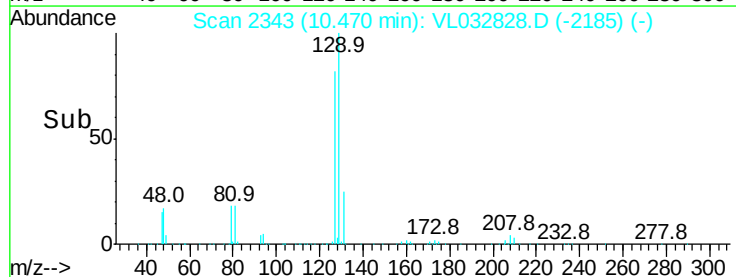
129 100

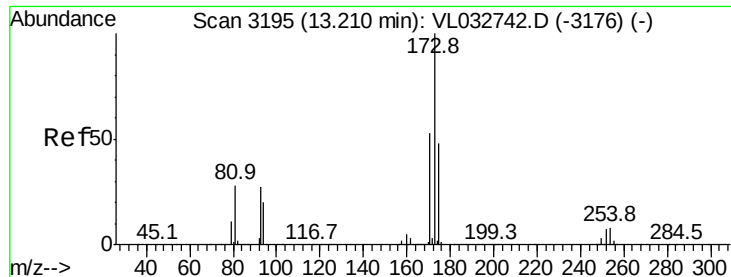
127 78.4 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.088 ppbv

RT: 13.22 min Scan# 3198

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

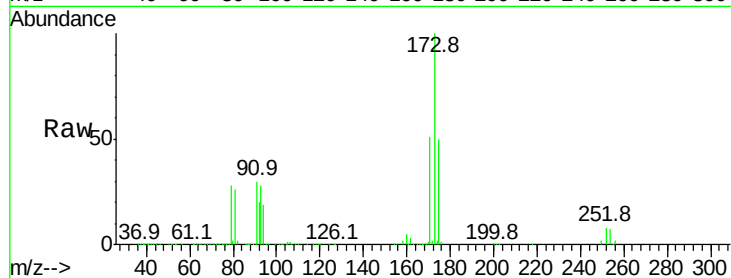
Tgt Ion:173 Resp: 1830286

Ion Ratio Lower Upper

173 100

175 48.7 39.4 59.0

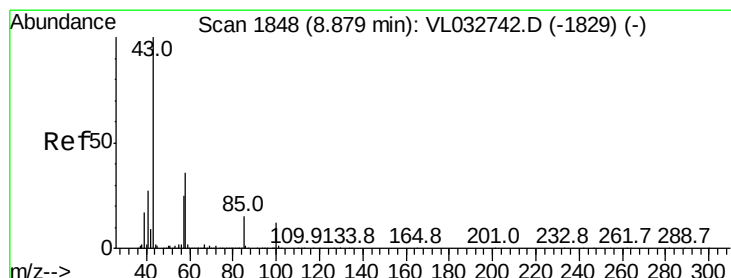
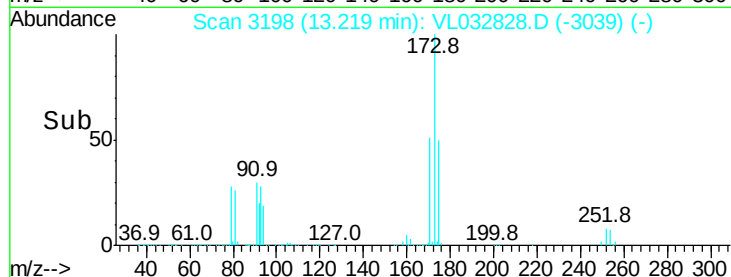
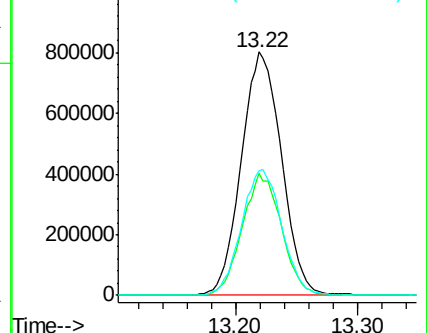
171 51.9 42.0 63.0



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: 11.323 ppbv

RT: 8.89 min Scan# 1851

Delta R.T. 0.01 min

Lab File: VL032828.D

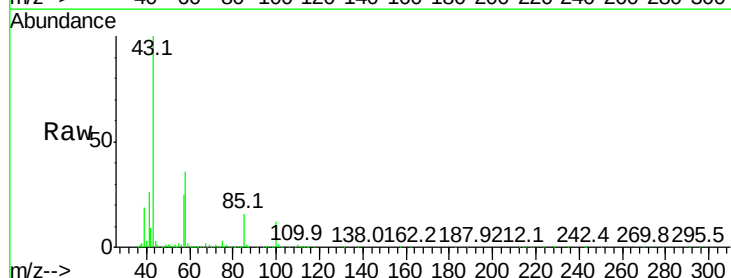
Acq: 28 Nov 2018 12:49

Tgt Ion: 43 Resp: 3006967

Ion Ratio Lower Upper

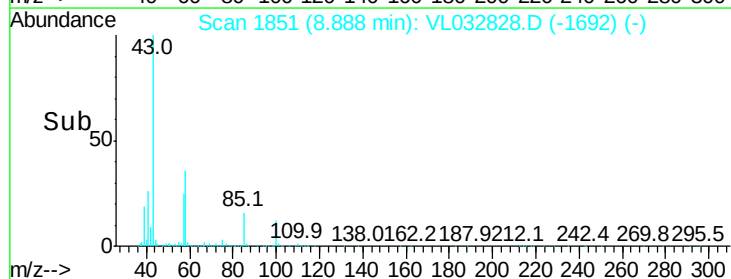
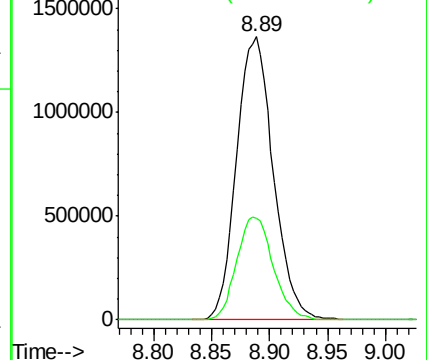
43 100

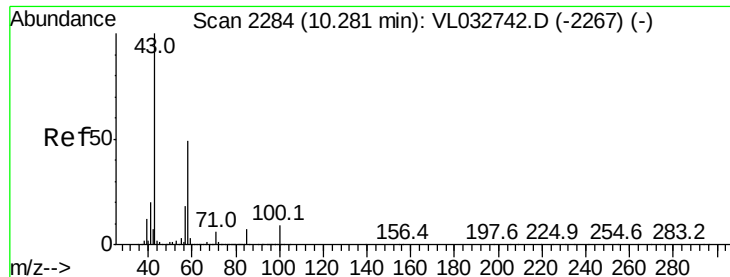
58 36.3 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 12.084 ppbv

RT: 10.29 min Scan# 2287

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

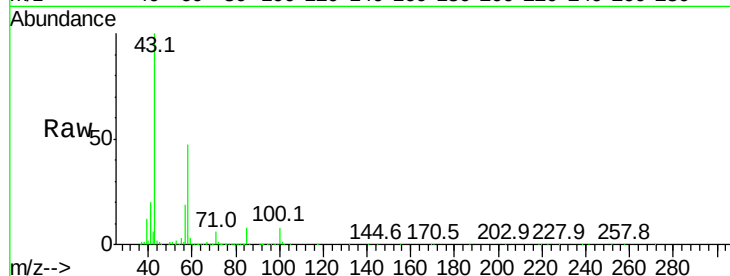
Tgt Ion: 43 Resp: 2067341

Ion Ratio Lower Upper

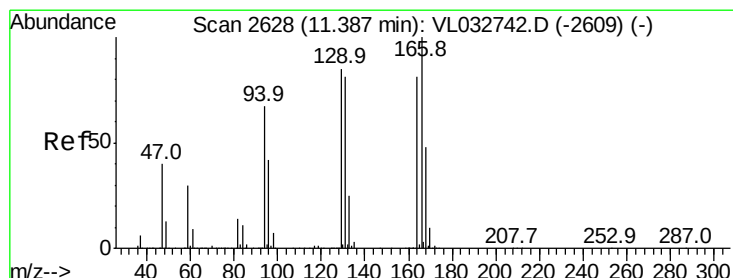
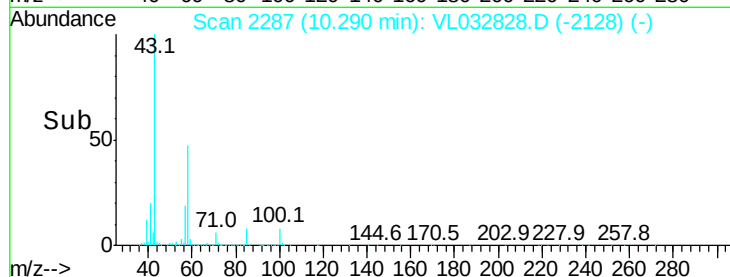
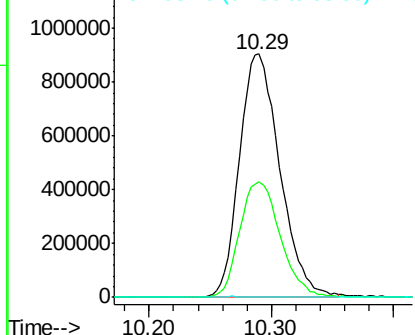
43 100

58 48.1 38.9 58.3

98 0.5 0.2 0.4#



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: 11.852 ppbv

RT: 11.39 min Scan# 2630

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Tgt Ion: 164 Resp: 1076242

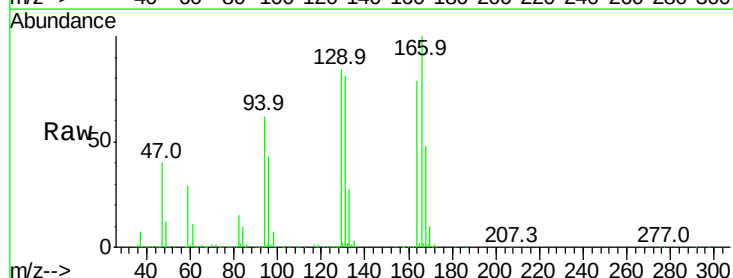
Ion Ratio Lower Upper

164 100

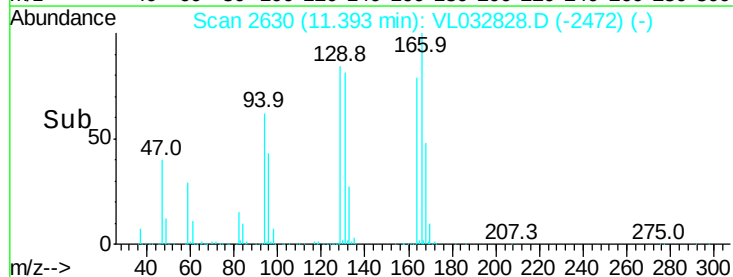
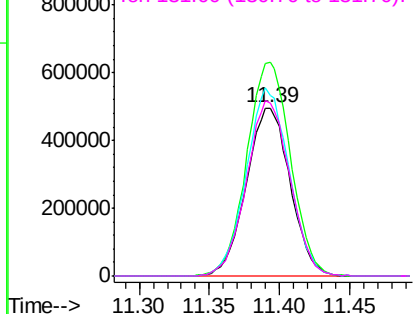
166 126.9 99.3 148.9

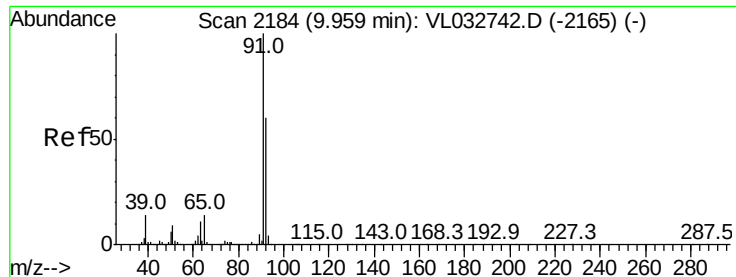
129 107.1 83.9 125.9

131 102.7 80.8 121.2



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: 12.652 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

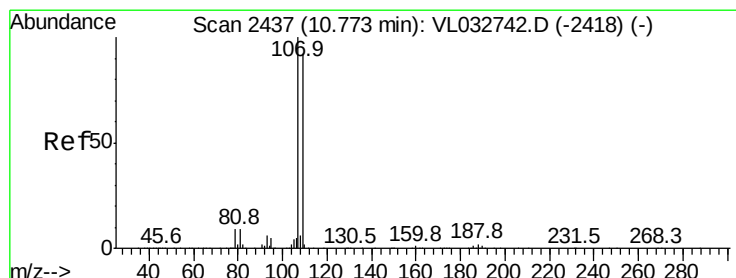
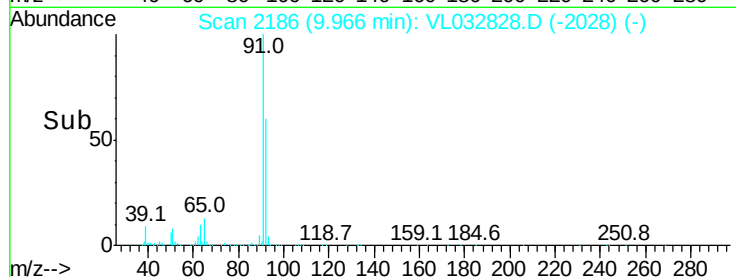
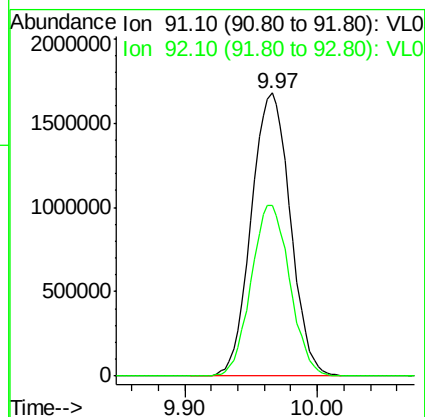
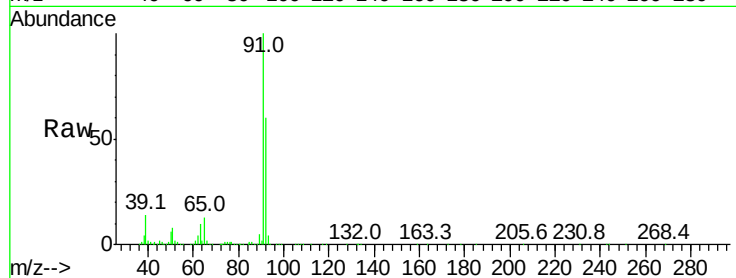
VSTDCCC010EC

Tgt Ion: 91 Resp: 3445471

Ion Ratio Lower Upper

91 100

92 59.8 47.9 71.9



#54

1,2-Dibromoethane

Concen: 11.502 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VL032828.D

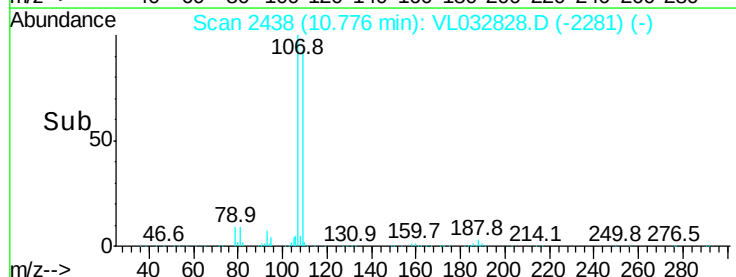
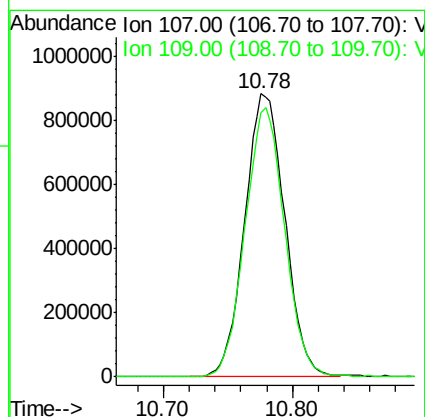
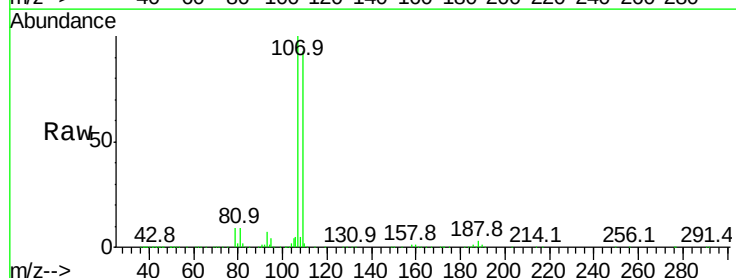
Acq: 28 Nov 2018 12:49

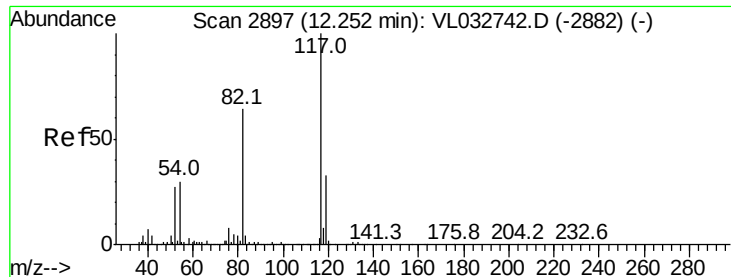
Tgt Ion: 107 Resp: 1912066

Ion Ratio Lower Upper

107 100

109 93.4 73.8 110.8

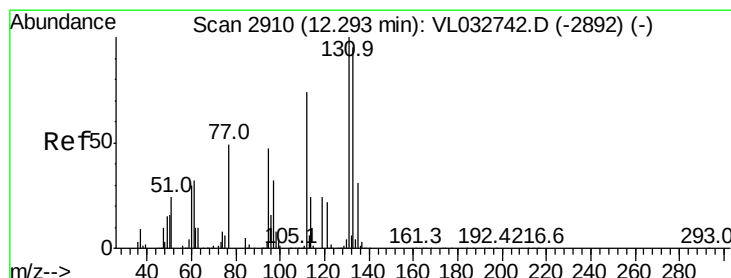
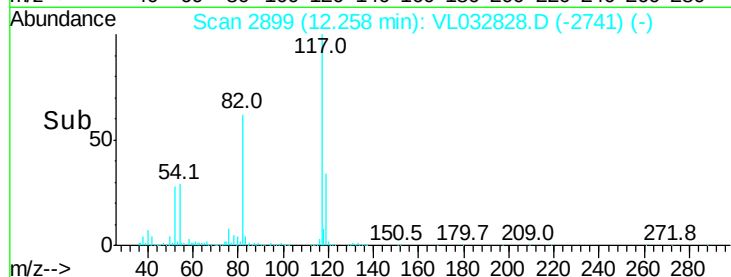
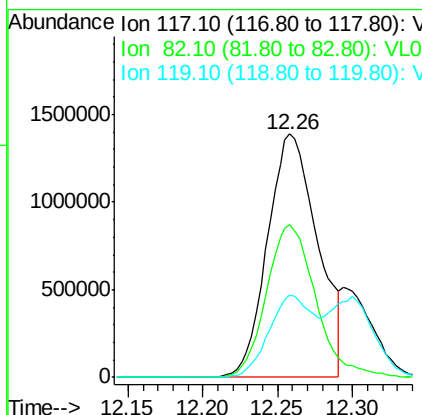
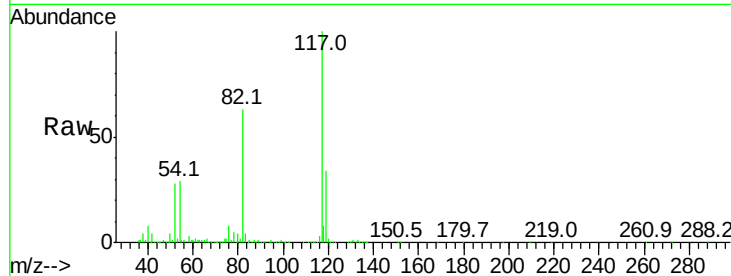




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

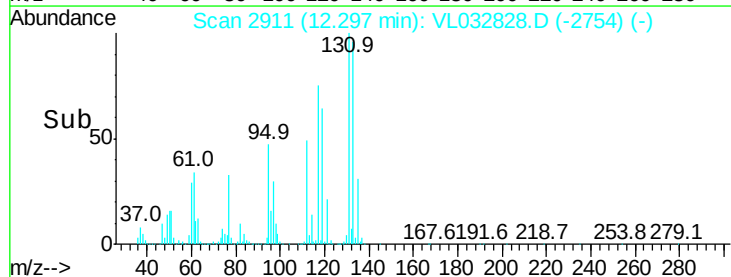
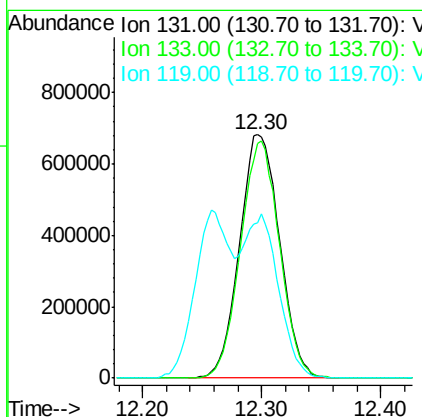
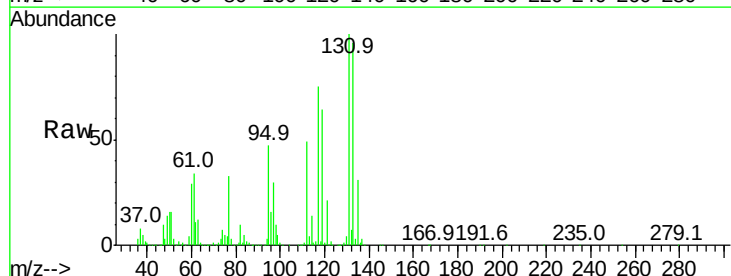
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

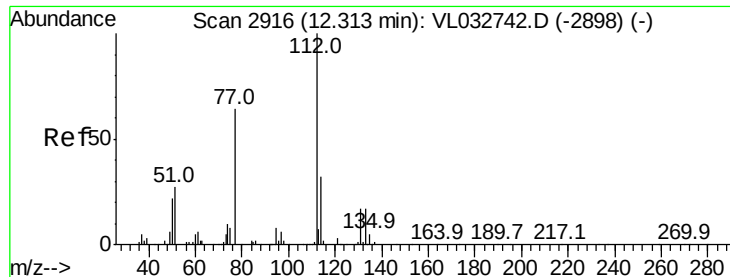
Tgt Ion:117 Resp: 3231747
Ion Ratio Lower Upper
117 100
82 62.0 51.0 76.6
119 27.7 28.0 42.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 10.543 ppbv
RT: 12.30 min Scan# 2911
Delta R.T. 0.00 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion:131 Resp: 1589245
Ion Ratio Lower Upper
131 100
133 95.1 75.8 113.6
119 57.6 45.2 67.8





#57

Chlorobenzene

Concen: 10.577 ppbv

RT: 12.32 min Scan# 2918

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

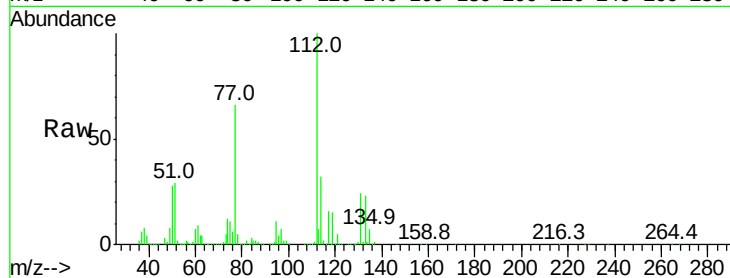
Tgt Ion:112 Resp: 2616699

Ion Ratio Lower Upper

112 100

77 65.9 52.3 78.5

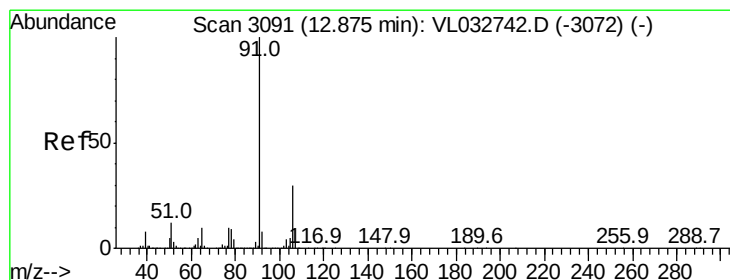
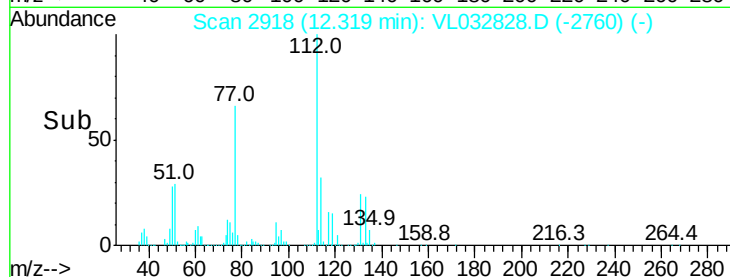
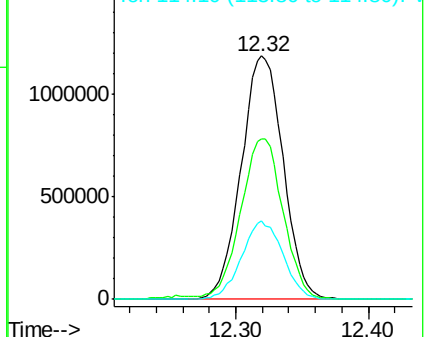
114 31.9 28.4 34.8



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.813 ppbv

RT: 12.88 min Scan# 3093

Delta R.T. 0.01 min

Lab File: VL032828.D

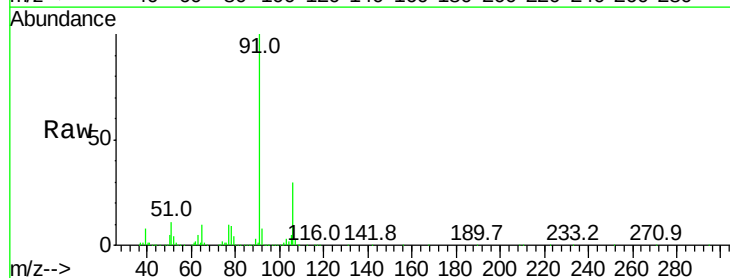
Acq: 28 Nov 2018 12:49

Tgt Ion: 91 Resp: 4594543

Ion Ratio Lower Upper

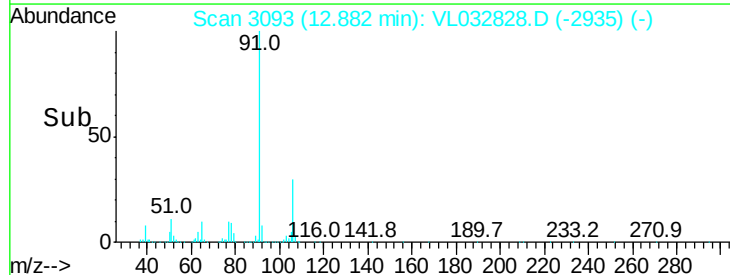
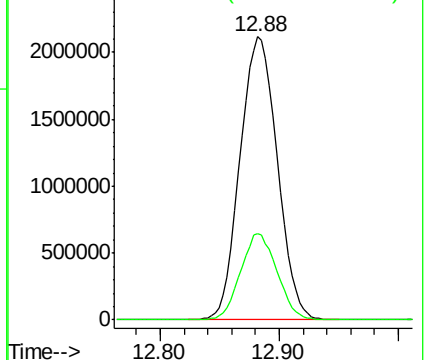
91 100

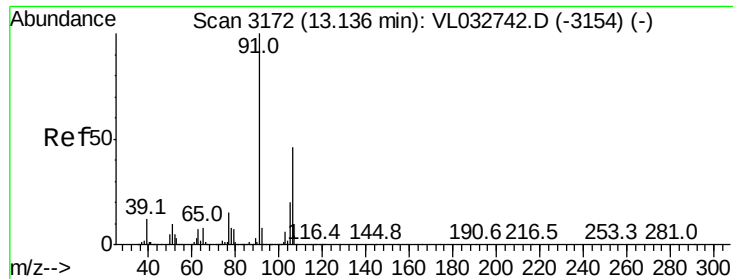
106 30.4 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 11.204 ppbv

RT: 13.14 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

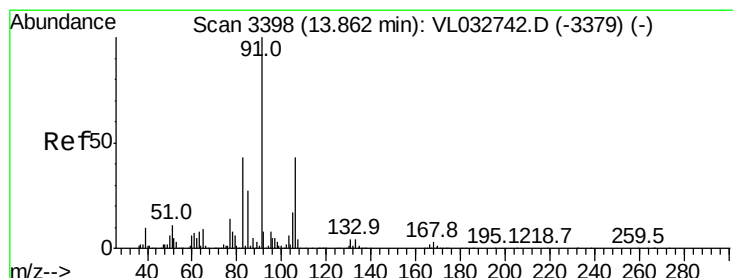
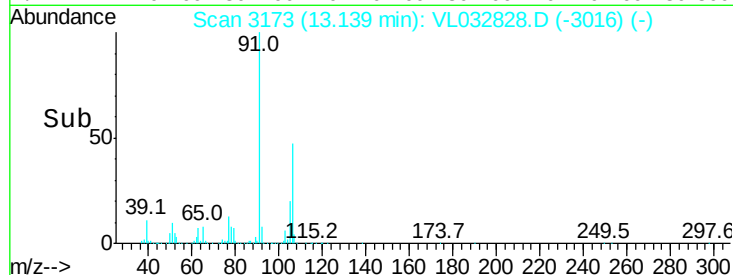
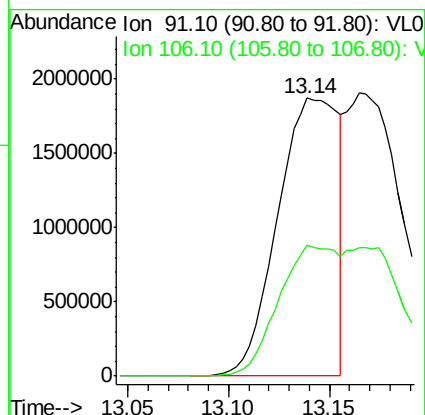
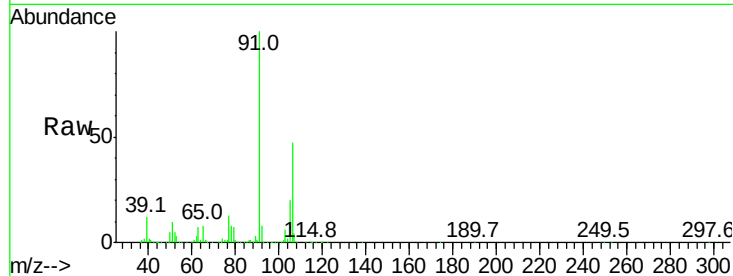
VSTDCCC010EC

Tgt Ion: 91 Resp: 3879124

Ion Ratio Lower Upper

91 100

106 89.9 36.1 54.1#



#60

o-Xylene

Concen: 10.637 ppbv

RT: 13.87 min Scan# 3400

Delta R.T. 0.01 min

Lab File: VL032828.D

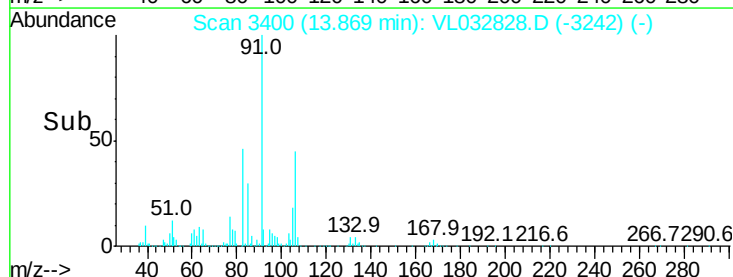
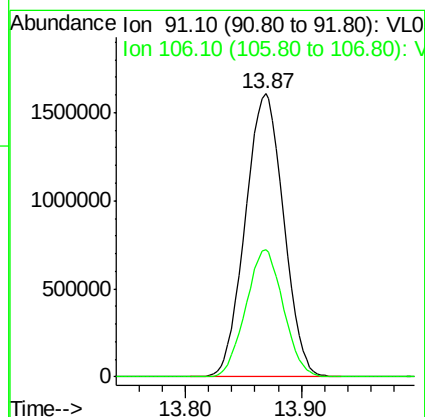
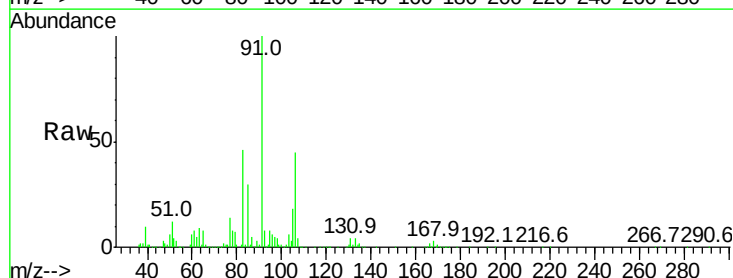
Acq: 28 Nov 2018 12:49

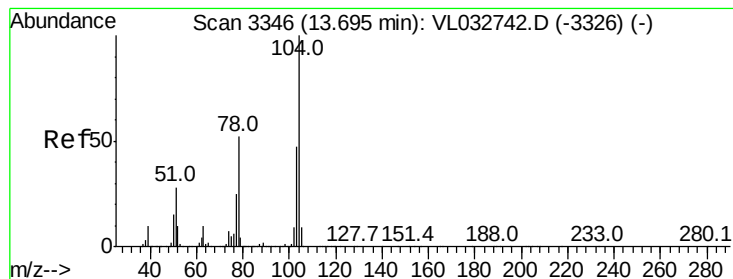
Tgt Ion: 91 Resp: 3703279

Ion Ratio Lower Upper

91 100

106 43.9 21.9 65.7





#61

Styrene

Concen: 12.118 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

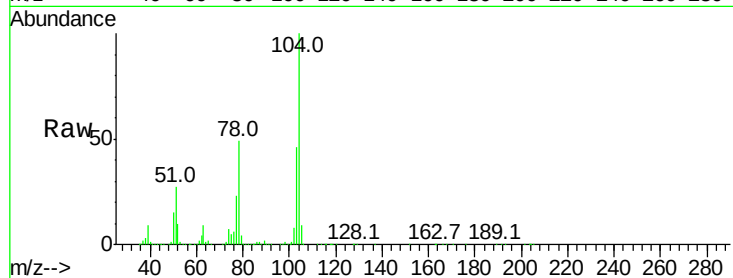
Tgt Ion:104 Resp: 2746192

Ion Ratio Lower Upper

104 100

78 51.7 42.2 63.4

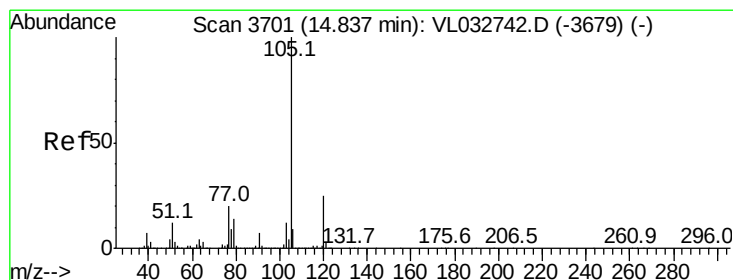
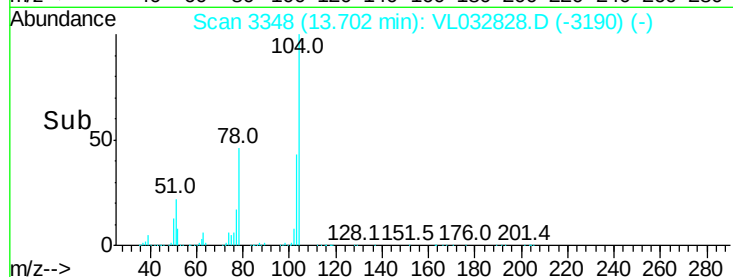
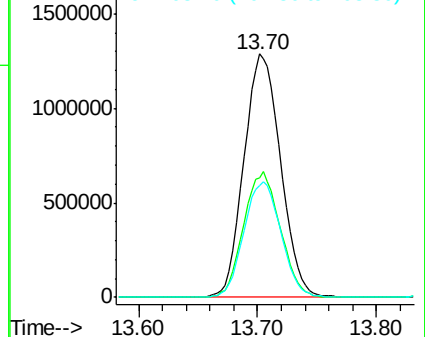
103 48.0 38.2 57.2



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: 11.032 ppbv

RT: 14.84 min Scan# 3703

Delta R.T. 0.01 min

Lab File: VL032828.D

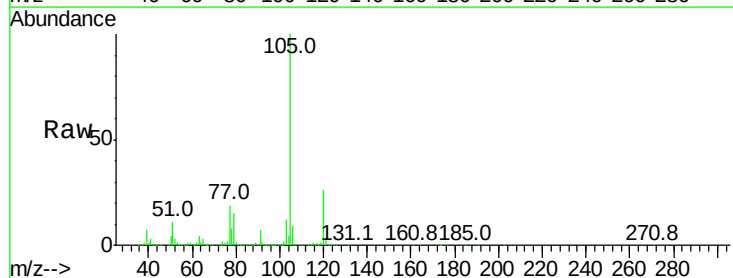
Acq: 28 Nov 2018 12:49

Tgt Ion:105 Resp: 5191247

Ion Ratio Lower Upper

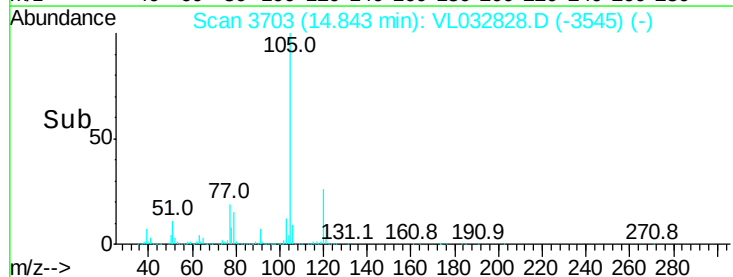
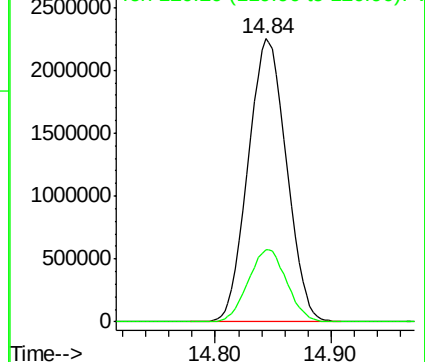
105 100

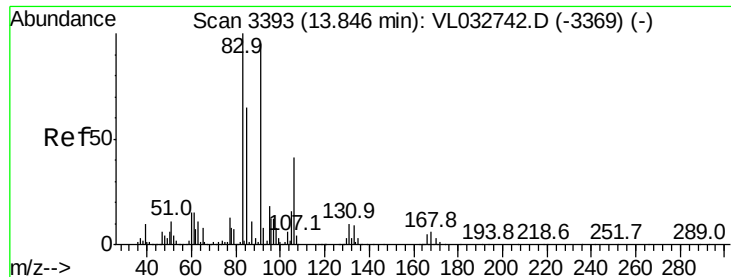
120 25.6 20.1 30.1



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: 8.933 ppbv

RT: 13.86 min Scan# 3396

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

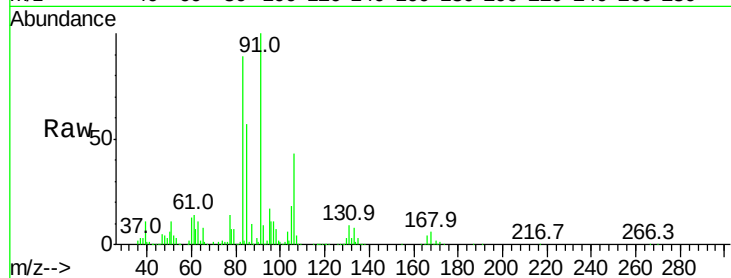
Tgt Ion: 83 Resp: 2424391

Ion Ratio Lower Upper

83 100

131 9.7 4.7 14.1

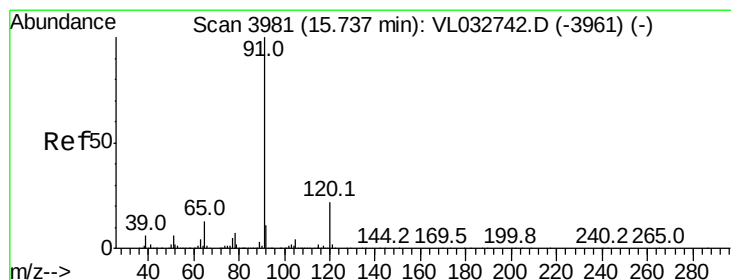
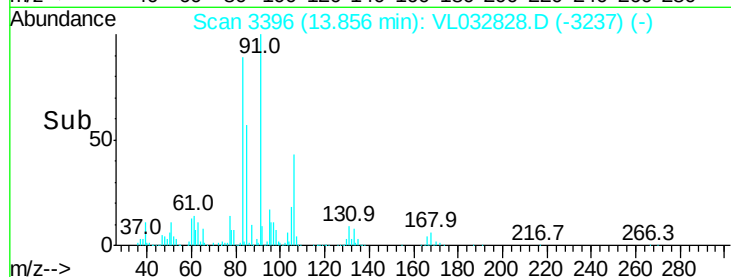
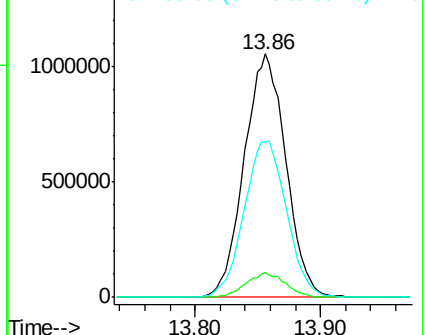
85 65.8 32.5 97.4



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: 10.738 ppbv

RT: 15.74 min Scan# 3982

Delta R.T. 0.00 min

Lab File: VL032828.D

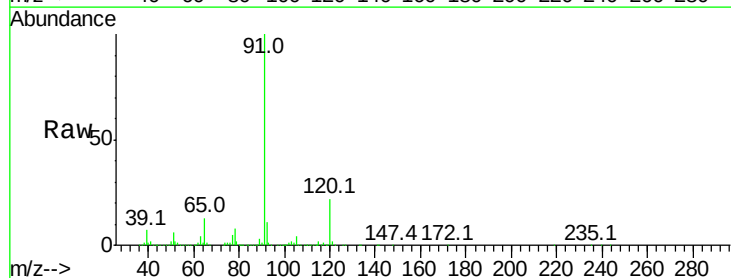
Acq: 28 Nov 2018 12:49

Tgt Ion: 120 Resp: 1329076

Ion Ratio Lower Upper

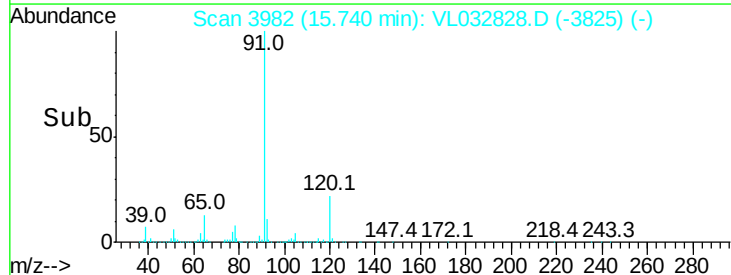
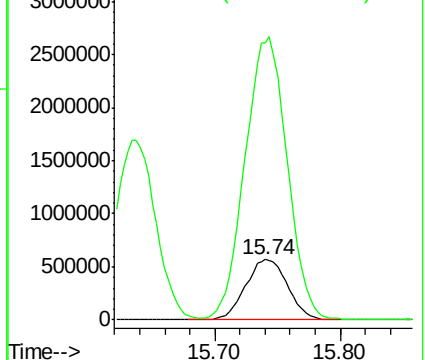
120 100

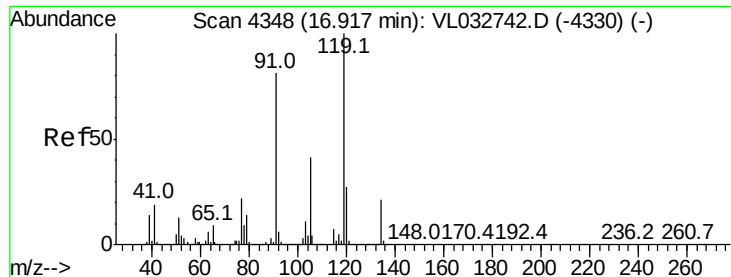
91 469.9 381.7 572.5



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

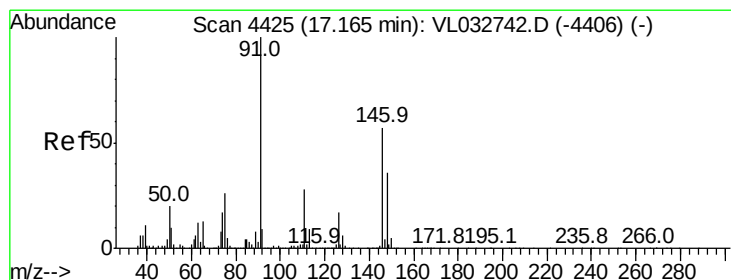
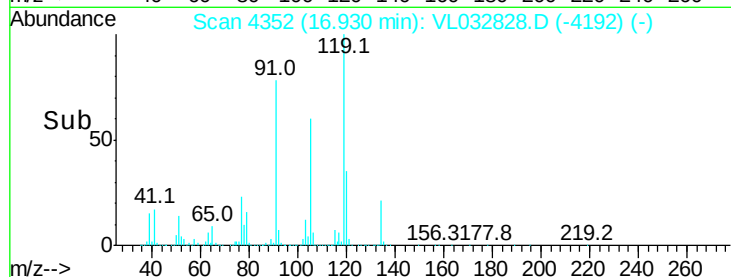
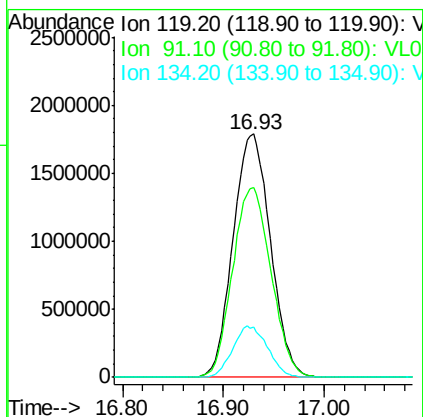
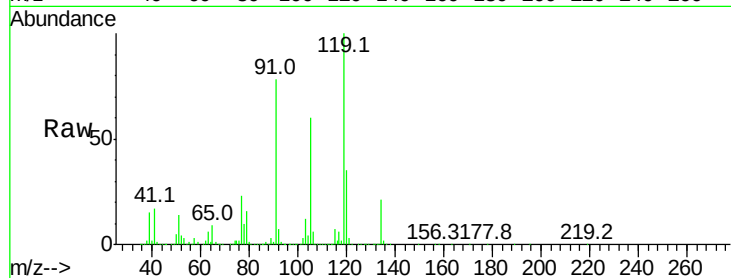




#65
 tert-Butylbenzene
 Concen: 10.901 ppbv
 RT: 16.93 min Scan# 4352
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

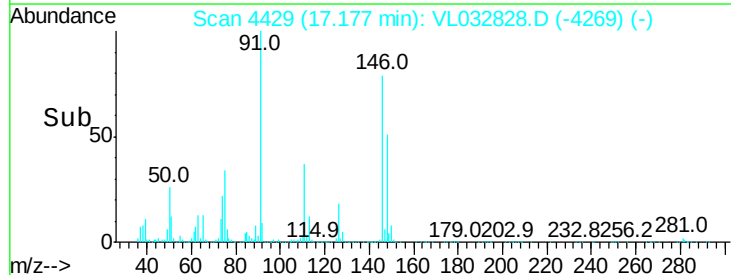
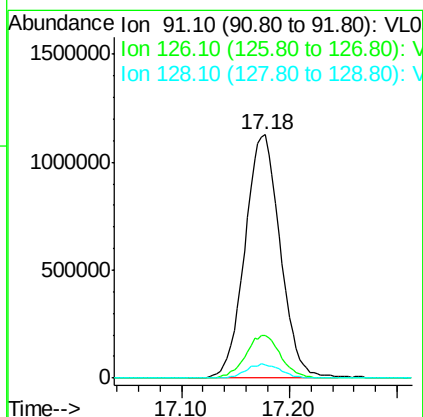
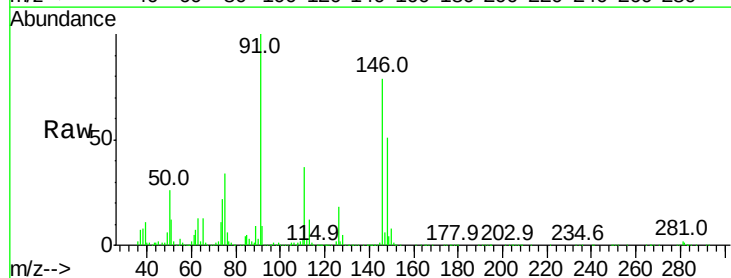
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

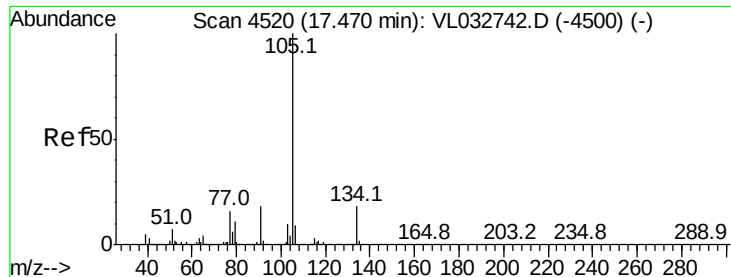
Tgt Ion: 119 Resp: 4598323
 Ion Ratio Lower Upper
 119 100
 91 80.2 65.6 98.4
 134 19.8 15.9 23.9



#66
 Benzyl Chloride
 Concen: 10.963 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 91 Resp: 2556612
 Ion Ratio Lower Upper
 91 100
 126 17.6 14.2 21.2
 128 5.7 4.5 6.7





#67

sec-Butylbenzene

Concen: 10.527 ppbv

RT: 17.48 min Scan# 4523

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

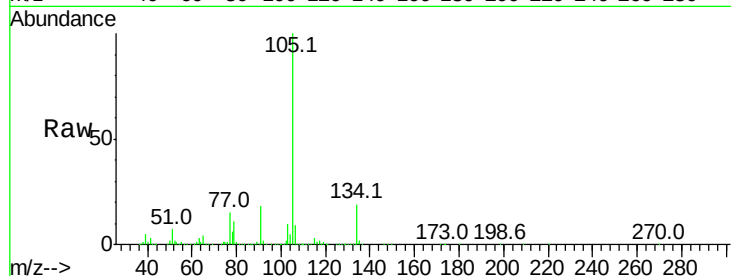
VSTDCCC010EC

Tgt Ion:105 Resp: 6399578

Ion Ratio Lower Upper

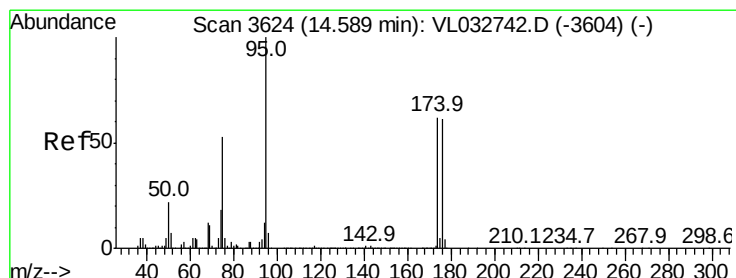
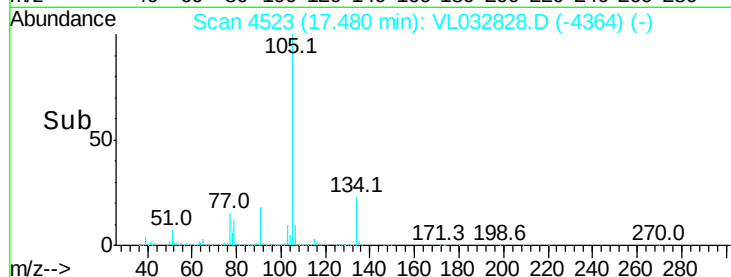
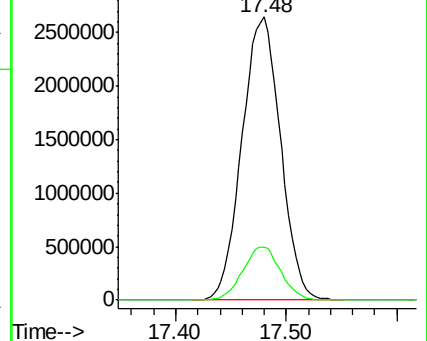
105 100

134 18.5 14.6 21.8



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: 9.619 ppbv

RT: 14.60 min Scan# 3626

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

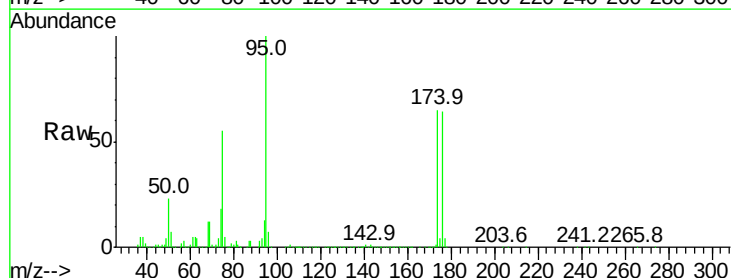
Tgt Ion: 95 Resp: 2325161

Ion Ratio Lower Upper

95 100

174 66.3 50.7 76.1

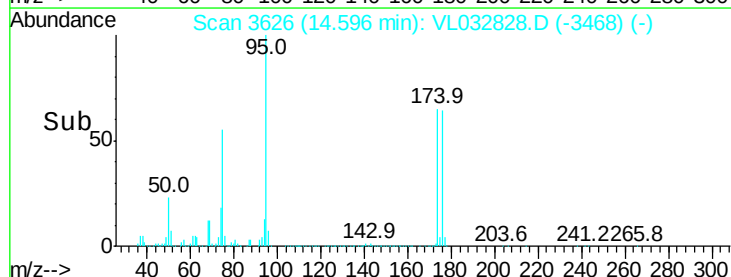
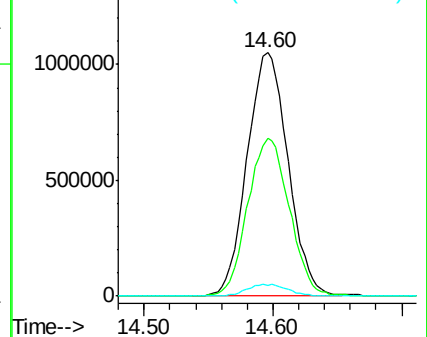
175 4.9 3.8 5.6

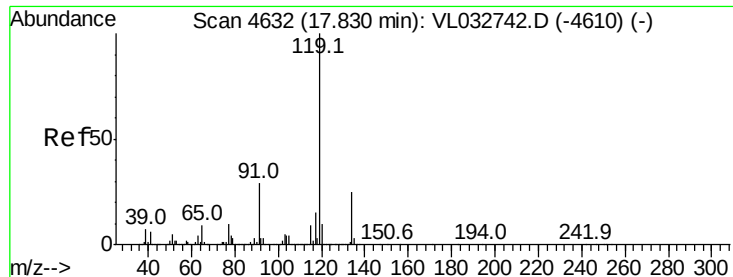


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

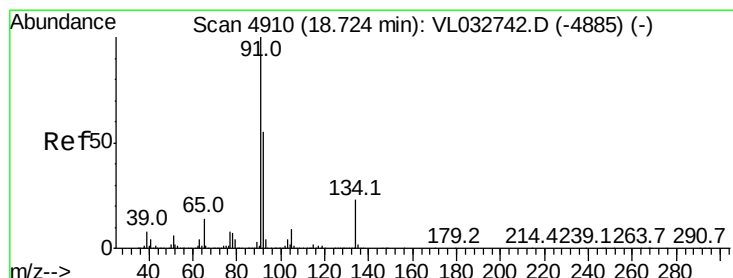
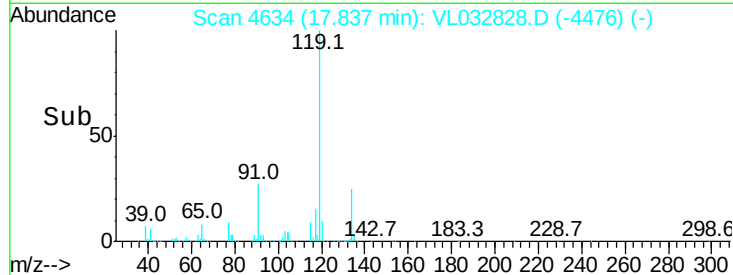
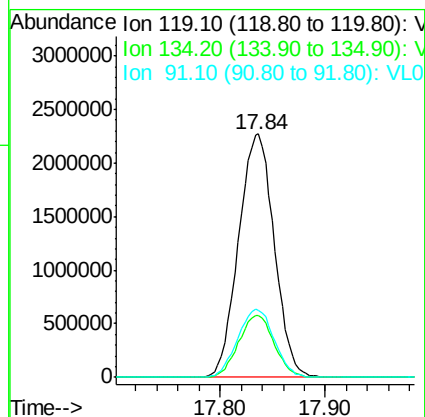
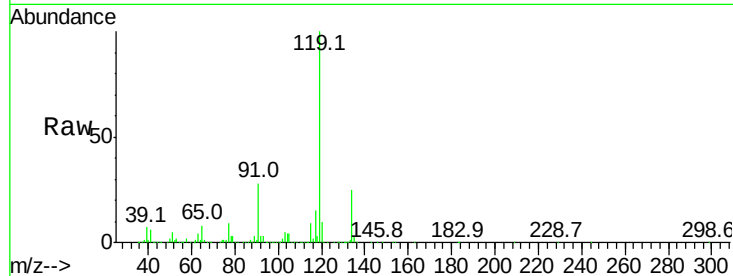




#69
 p-Isopropyltoluene
 Concen: 11.031 ppbv
 RT: 17.84 min Scan# 4634
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

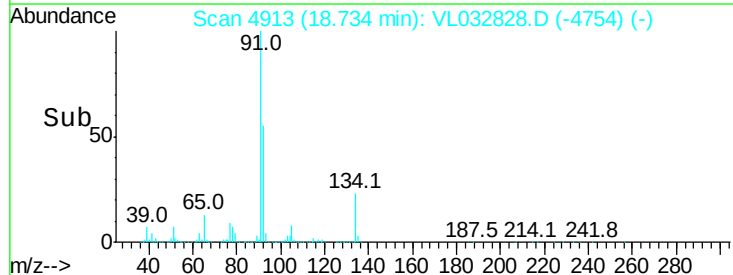
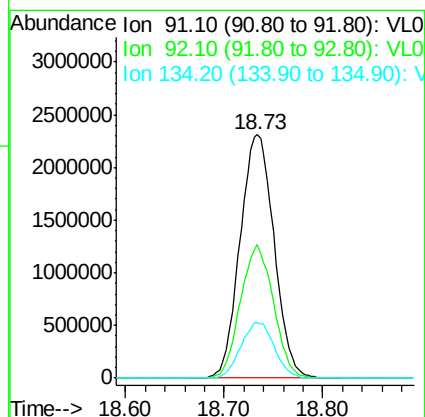
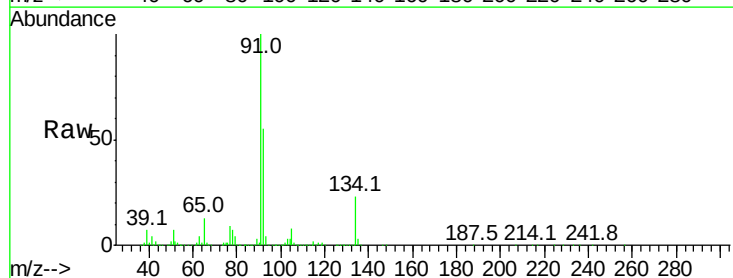
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

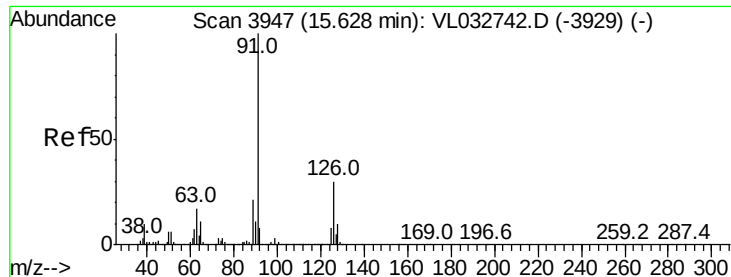
Tgt Ion: 119 Resp: 5332275
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.2 30.4
 91 28.8 23.5 35.3



#70
 n-Butylbenzene
 Concen: 11.226 ppbv
 RT: 18.73 min Scan# 4913
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion: 91 Resp: 5509672
 Ion Ratio Lower Upper
 91 100
 92 53.3 42.9 64.3
 134 22.5 17.8 26.8





#71

2-Chlorotoluene

Concen: 10.987 ppbv

RT: 15.63 min Scan# 3949

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Instrument :

MSVOA_L

ClientSampleId :

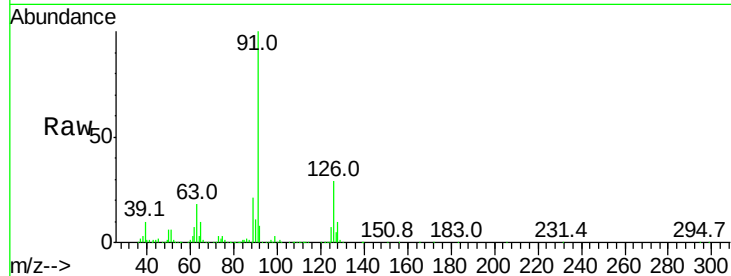
VSTDCCC010EC

Tgt Ion: 91 Resp: 3855568

Ion Ratio Lower Upper

91 100

126 30.5 12.1 48.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

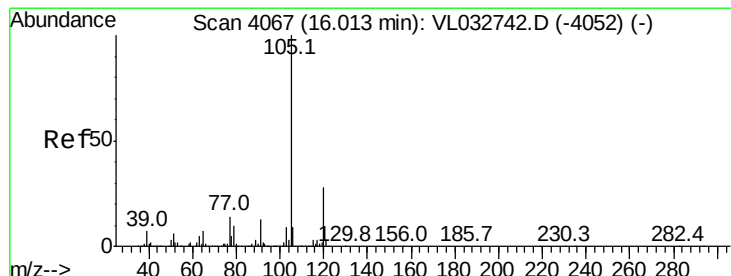
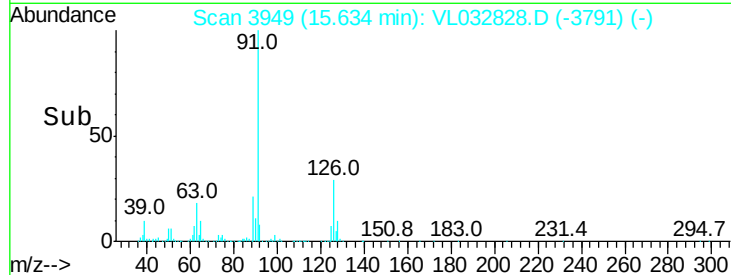
500000

0

15.60

15.70

Time-->



#72

4-Ethyltoluene

Concen: 11.052 ppbv

RT: 16.02 min Scan# 4069

Delta R.T. 0.01 min

Lab File: VL032828.D

Acq: 28 Nov 2018 12:49

Tgt Ion: 105 Resp: 4217127

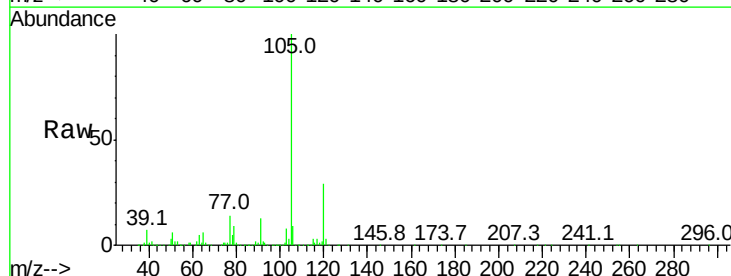
Ion Ratio Lower Upper

105 100

120 29.0 22.9 34.3

91 13.4 10.6 15.8

77 14.2 11.4 17.2



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

2500000

2000000

1500000

1000000

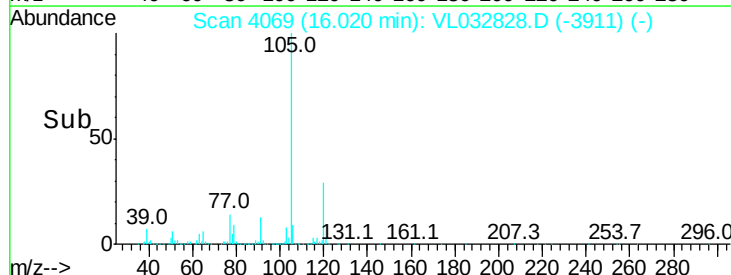
500000

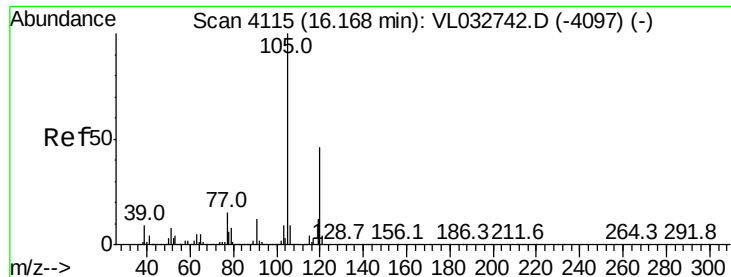
0

16.00

16.10

Time-->

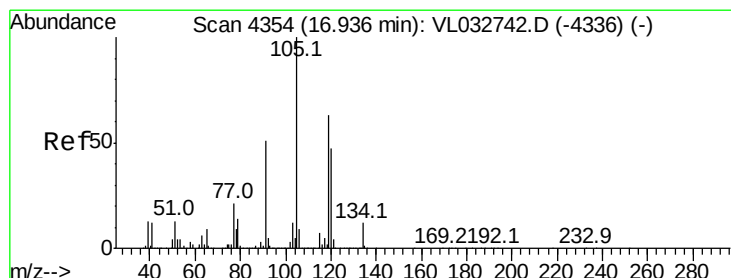
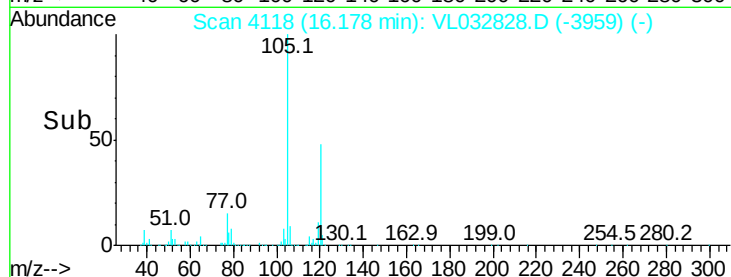
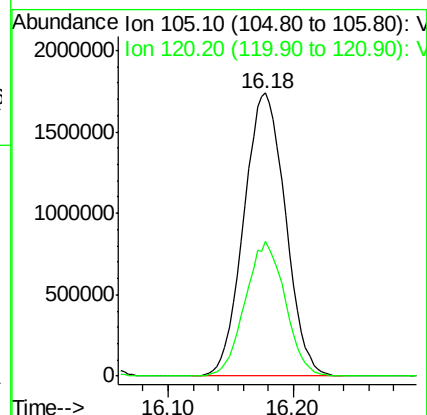
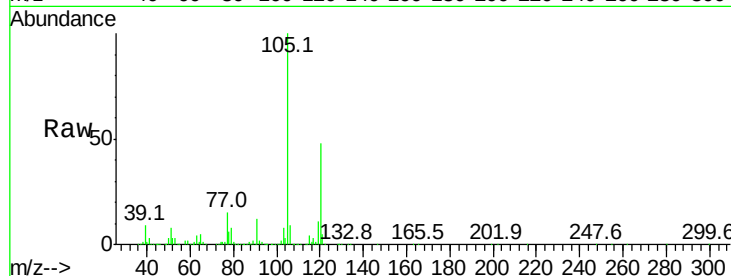




#73
 1,3,5-Trimethylbenzene
 Concen: 10.719 ppbv
 RT: 16.18 min Scan# 4118
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

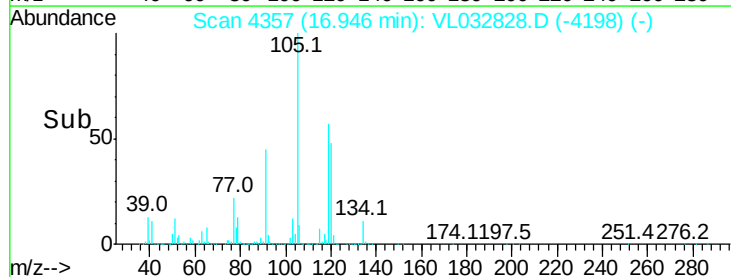
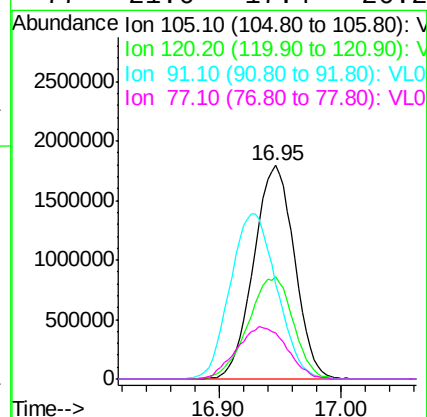
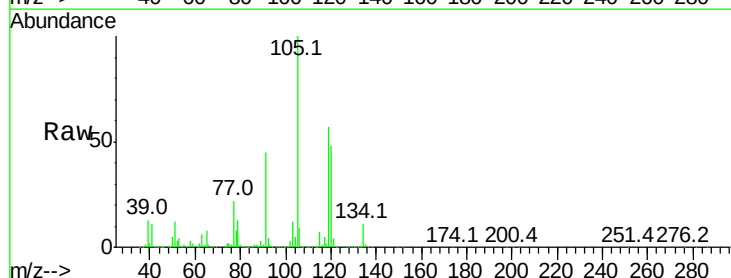
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

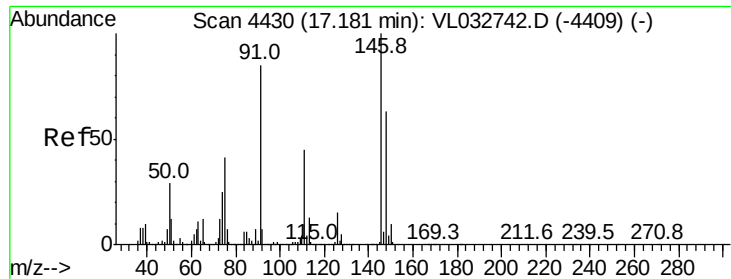
Tgt Ion:105 Resp: 3999257
 Ion Ratio Lower Upper
 105 100
 120 47.8 36.6 55.0



#74
 1,2,4-Trimethylbenzene
 Concen: 10.403 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion:105 Resp: 4153182
 Ion Ratio Lower Upper
 105 100
 120 47.7 37.6 56.4
 91 44.3 42.5 63.7
 77 21.6 17.4 26.2

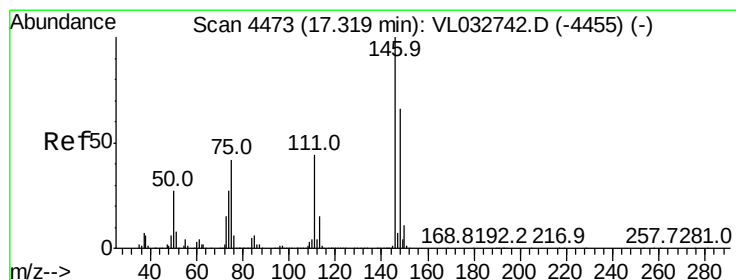
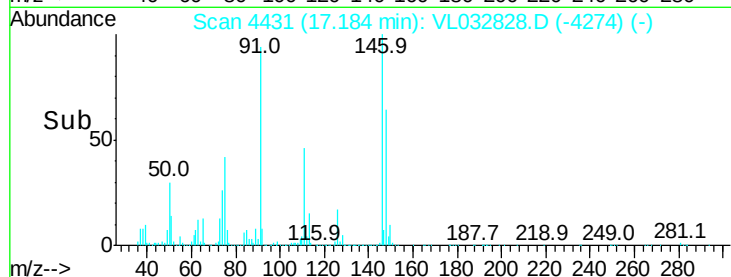
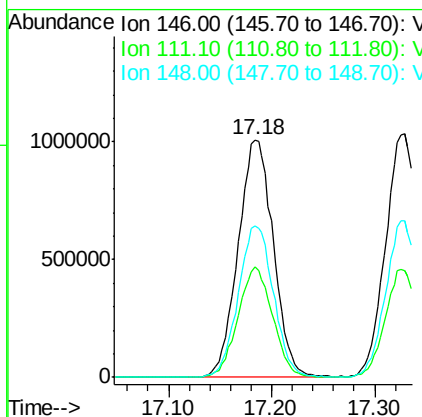
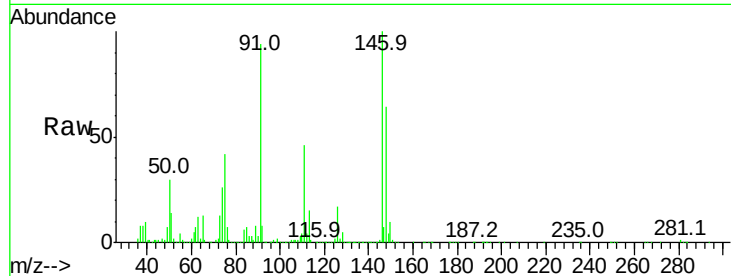




#75
 1,3-Dichlorobenzene
 Concen: 10.476 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

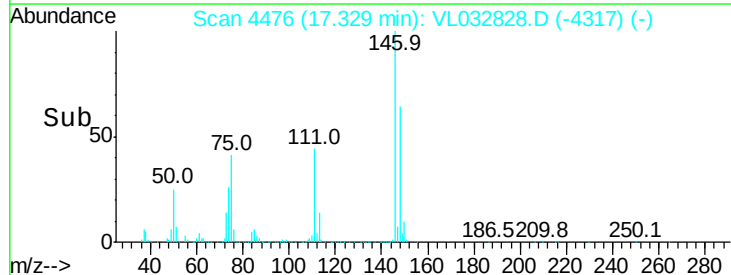
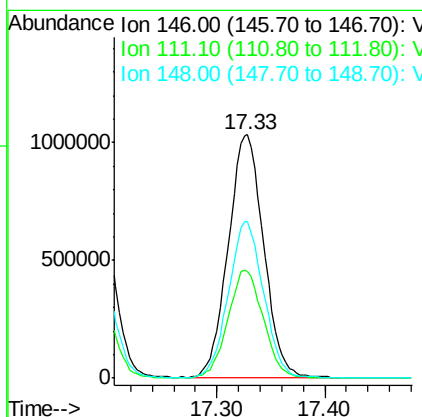
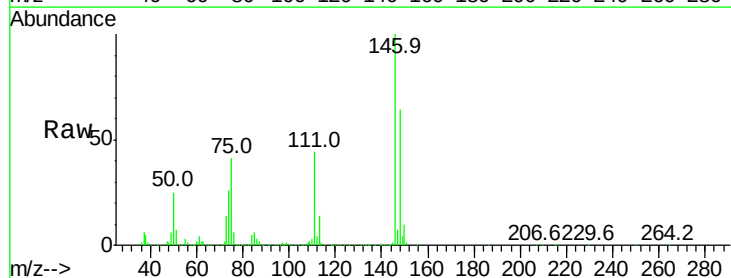
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

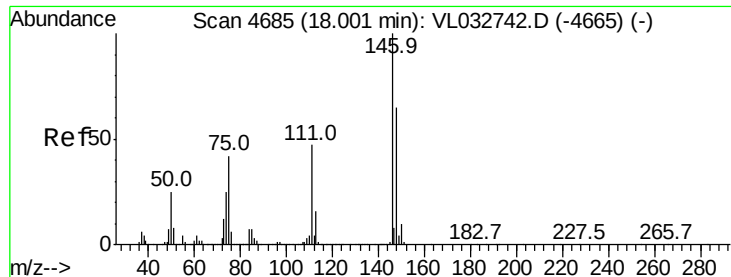
Tgt Ion:146 Resp: 2399111
 Ion Ratio Lower Upper
 146 100
 111 45.8 23.5 70.6
 148 63.7 31.8 95.3



#76
 1,4-Dichlorobenzene
 Concen: 11.041 ppbv
 RT: 17.33 min Scan# 4476
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion:146 Resp: 2361923
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.5 67.5
 148 64.3 32.5 97.5

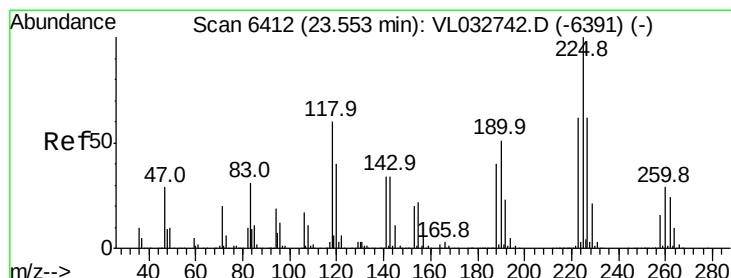
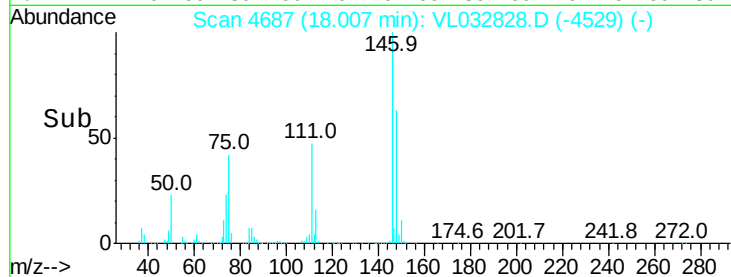
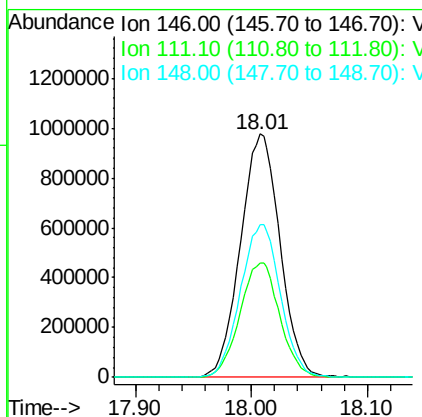
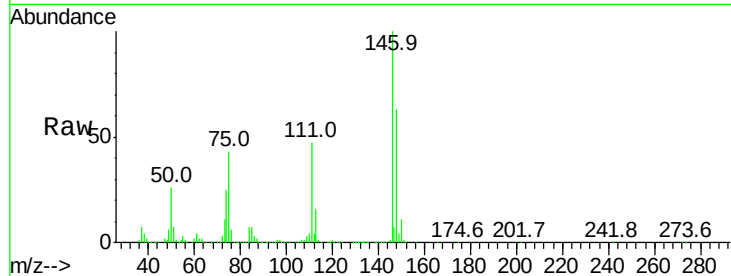




#77
 1,2-Dichlorobenzene
 Concen: 10.935 ppbv
 RT: 18.01 min Scan# 4687
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

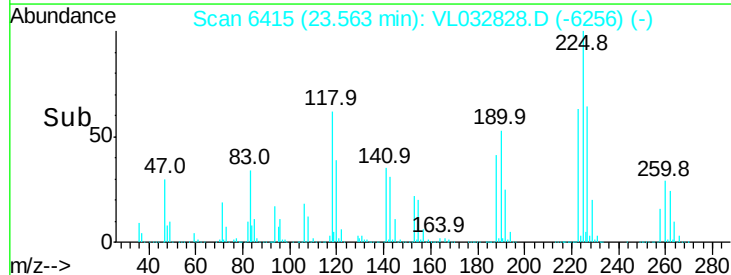
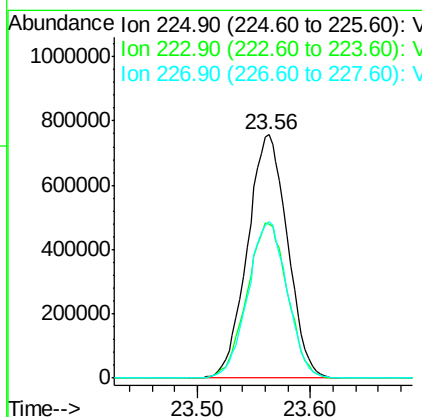
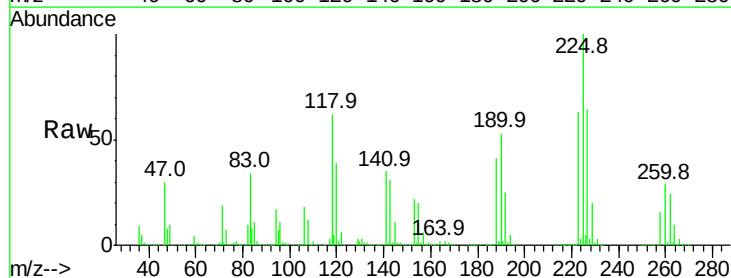
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

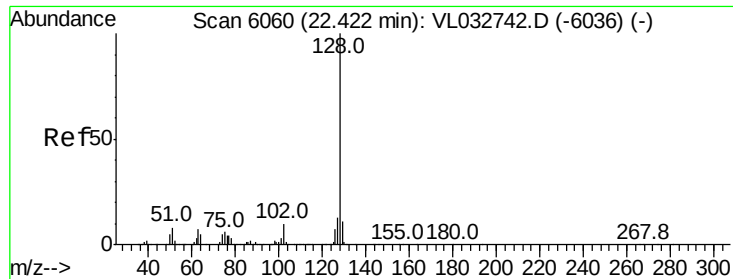
Tgt Ion:146 Resp: 2316714
 Ion Ratio Lower Upper
 146 100
 111 47.6 24.4 73.2
 148 63.5 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 16.248 ppbv
 RT: 23.56 min Scan# 6415
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Tgt Ion:225 Resp: 1857828
 Ion Ratio Lower Upper
 225 100
 223 64.3 50.3 75.5
 227 63.2 50.2 75.4

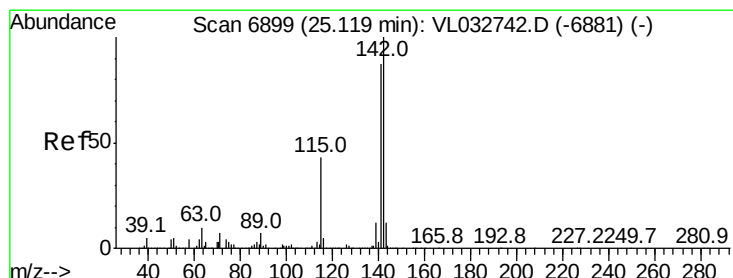
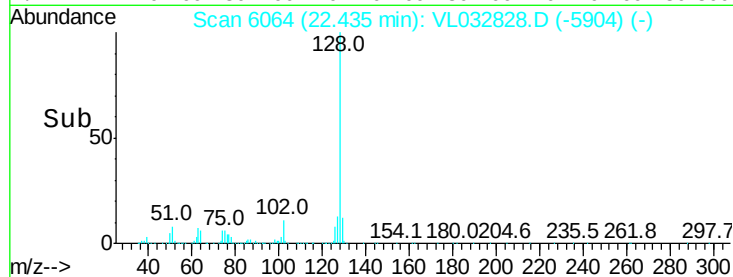
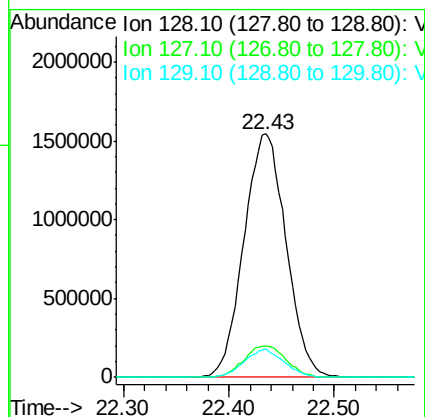
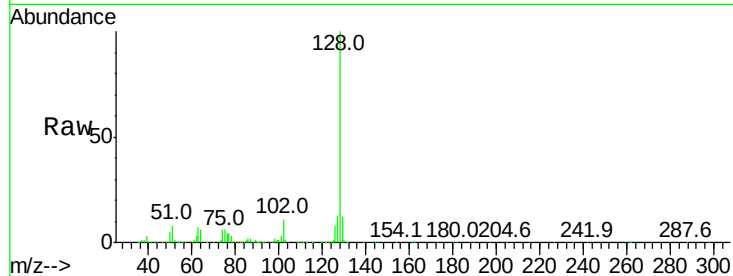




#79
Naphthalene
Concen: 16.348 ppbv
RT: 22.43 min Scan# 6064
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

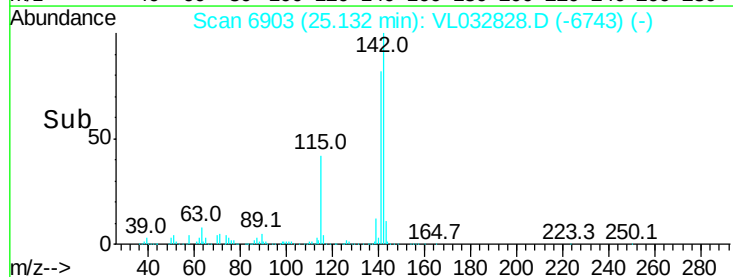
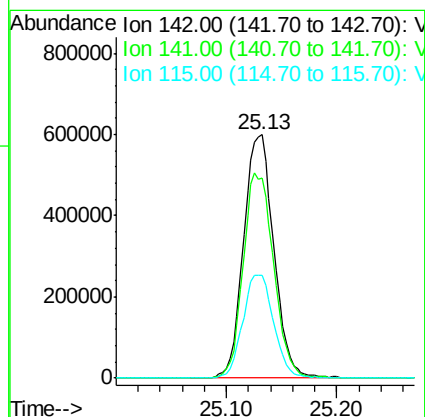
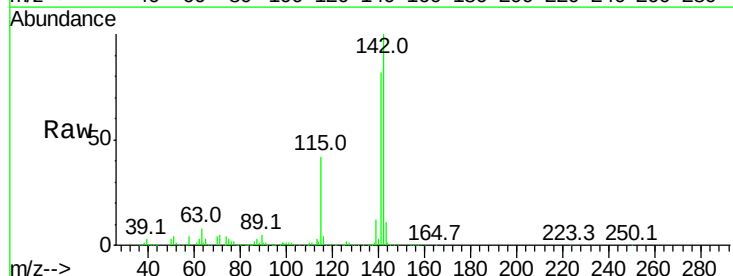
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

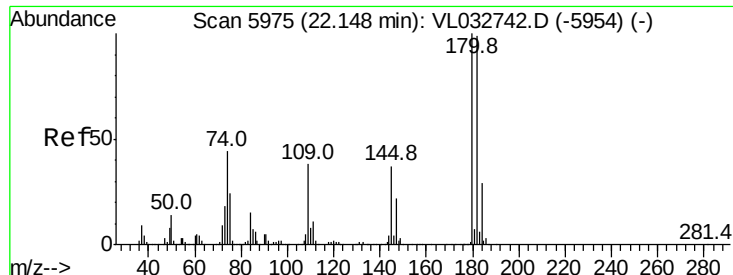
Tgt Ion:128 Resp: 4287725
Ion Ratio Lower Upper
128 100
127 12.7 10.1 15.1
129 11.5 8.9 13.3



#80
Naphthalene, 2-methyl-
Concen: 17.317 ppbv
RT: 25.13 min Scan# 6903
Delta R.T. 0.01 min
Lab File: VL032828.D
Acq: 28 Nov 2018 12:49

Tgt Ion:142 Resp: 1137526
Ion Ratio Lower Upper
142 100
141 85.5 68.7 103.1
115 43.6 35.5 53.3

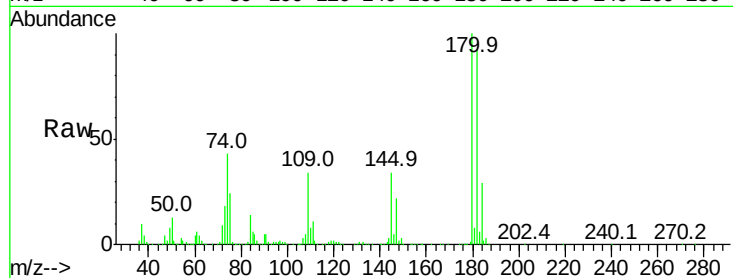




#81
 1,2,4-Trichlorobenzene
 Concen: 15.623 ppbv
 RT: 22.16 min Scan# 5978
 Delta R.T. 0.01 min
 Lab File: VL032828.D
 Acq: 28 Nov 2018 12:49

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.3	115.9
184	30.1	24.2	36.4



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

