

Data File : VL032982.D
Acq On : 12 Dec 2018 12:14
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Dec 12 15:05:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1361500	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3603328	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	4320586	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2455091	7.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	76.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1189962	6.547	ppbv	98
3) Chlorodifluoromethane	3.01	51	1091977	10.590	ppbv	94
4) Chloromethane	3.17	50	692255	11.532	ppbv	97
5) Vinyl Chloride	3.29	62	677610	11.094	ppbv	100
6) Bromomethane	3.52	94	430548	11.270	ppbv	96
7) Chloroethane	3.60	64	252333	11.527	ppbv	96
8) Dichlorotetrafluoroethane	3.22	85	1672763	11.075	ppbv	97
9) Propene	3.04	41	544407	13.353	ppbv	96
10) Heptane	8.25	43	1980226	12.930	ppbv	99
11) Trichlorofluoromethane	4.01	101	1672414	9.766	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1368076	9.364	ppbv	99
13) Ethanol	3.65	45	133116	9.483	ppbv	94
14) Bromoethene	3.79	108	537231	11.075	ppbv	98
15) Acetone	3.90	43	1168500	9.999	ppbv	97
16) 1,3-Butadiene	3.36	39	580884	12.529	ppbv	99
17) tert-Butyl alcohol	4.36	59	400436	13.459	ppbv #	82
18) 1,1-Dichloroethene	4.35	96	647072	11.309	ppbv	97
19) Isopropyl Alcohol	4.03	45	936326	12.758	ppbv #	99
20) Methylene Chloride	4.41	84	584396	10.232	ppbv	98
21) Allyl Chloride	4.48	41	1048383	11.008	ppbv	96
22) trans-1,2-Dichloroethene	4.97	96	650689	9.163	ppbv	99
23) Vinyl Acetate	5.16	43	2638367	13.334	ppbv	98
24) 1,1-Dichloroethane	5.09	63	1882041	10.939	ppbv	100
25) Ethyl Acetate	5.77	43	3049532	11.047	ppbv	99
26) Hexane	5.78	57	1394331	10.940	ppbv	97
27) Carbon Disulfide	4.62	76	1587748	9.964	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2430289	12.696	ppbv	99
29) Chloroform	5.86	83	2191572	9.637	ppbv	94
30) Cyclohexane	7.25	84	1233579	11.678	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1360755	11.635	ppbv	95
32) 1,1,1-Trichloroethane	6.63	97	2310497	9.602	ppbv	98
34) 2-Butanone	5.33	43	1756827	11.193	ppbv	100
35) Carbon Tetrachloride	7.14	117	2396922	8.463	ppbv	99
36) Benzene	7.01	78	2974917	11.225	ppbv	97
37) 1,2-Dichloroethane	6.42	62	1654981	9.172	ppbv	97
38) Trichloroethene	7.97	130	1228347	11.137	ppbv	98
39) 1,2-Dichloropropane	7.74	63	1137550	11.317	ppbv	90
40) 1,4-Dioxane	7.96	88	379393	10.247	ppbv #	1
41) Tetrahydrofuran	6.15	42	1232268	12.624	ppbv	98
42) Bromodichloromethane	7.92	83	2445218	9.781	ppbv	98
43) Methyl Methacrylate	8.15	69	1222748	12.451	ppbv	100

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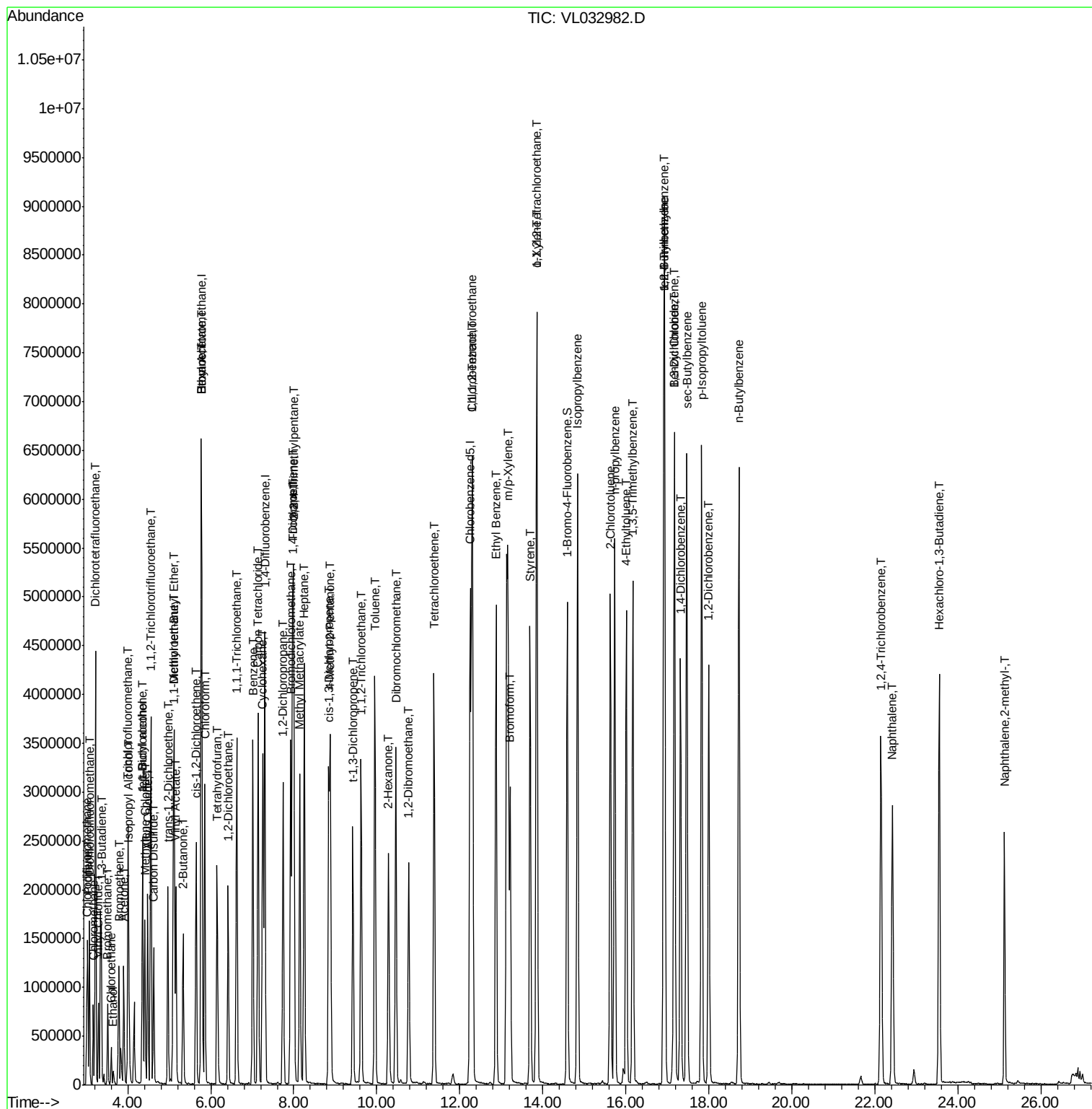
Quant Time: Dec 12 15:05:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
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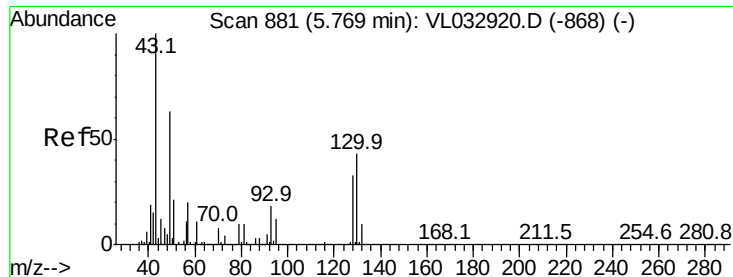
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	5013482	11.144	ppbv	98
45) t-1,3-Dichloropropene	9.42	75	1600804	13.294	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1866121	12.662	ppbv	98
47) 1,1,2-Trichloroethane	9.62	97	1238845	11.198	ppbv	98
48) Dibromochloromethane	10.46	129	2210411	10.650	ppbv	100
49) Bromoform	13.21	173	1824692	10.689	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2921206	11.639	ppbv	100
51) 2-Hexanone	10.28	43	2221673	13.052	ppbv #	97
52) Tetrachloroethene	11.38	164	1069338	11.092	ppbv	97
53) Toluene	9.96	91	3470695	12.347	ppbv	98
54) 1,2-Dibromoethane	10.77	107	1930883	11.172	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.29	131	1554091	8.068	ppbv	98
57) Chlorobenzene	12.31	112	2668640	8.552	ppbv	99
58) Ethyl Benzene	12.87	91	4648103	10.085	ppbv	98
59) m/p-Xylene	13.16	91	3739296	8.948	ppbv #	100
60) o-Xylene	13.86	91	3921049	9.292	ppbv	98
61) Styrene	13.69	104	2905053	10.349	ppbv	98
62) Isopropylbenzene	14.84	105	5697330	9.677	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2677154	8.170	ppbv	99
64) n-propylbenzene	15.73	120	1389635	9.087	ppbv	95
65) tert-Butylbenzene	16.92	119	4628881	8.481	ppbv	98
66) Benzyl Chloride	17.16	91	2768221	9.150	ppbv	98
67) sec-Butylbenzene	17.47	105	6592346	8.192	ppbv	100
69) p-Isopropyltoluene	17.83	119	5466740	8.382	ppbv	99
70) n-Butylbenzene	18.72	91	5455960	9.093	ppbv	99
71) 2-Chlorotoluene	15.62	91	3982436	9.096	ppbv	99
72) 4-Ethyltoluene	16.01	105	4404746	9.349	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4139408	9.000	ppbv	98
74) 1,2,4-Trimethylbenzene	16.94	105	4178053	8.045	ppbv	95
75) 1,3-Dichlorobenzene	17.17	146	2347201	7.675	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2350054	8.235	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2302780	8.063	ppbv	99
78) Hexachloro-1,3-Butadiene	23.55	225	1092661	6.957	ppbv	99
79) Naphthalene	22.42	128	3816396	11.381	ppbv	98
80) Naphthalene,2-methyl-	25.12	142	1405126	19.612	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1763444	9.916	ppbv	99

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

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

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VSTDCCC010EC

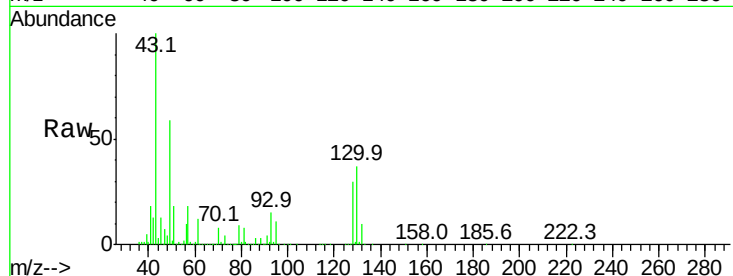
Tgt Ion: 49 Resp: 1361500

Ion Ratio Lower Upper

49 100

128 51.5 26.3 78.8

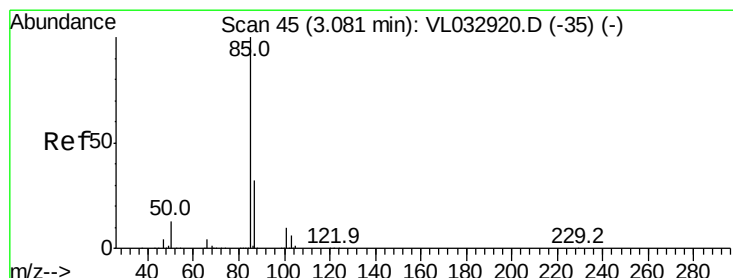
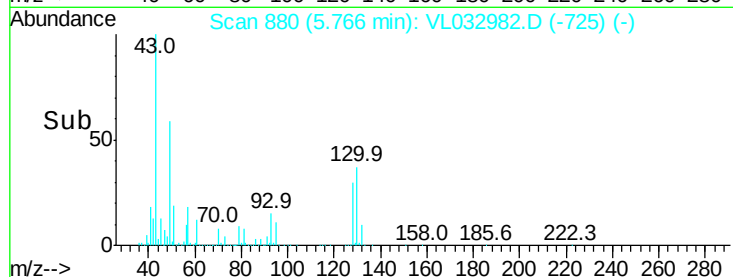
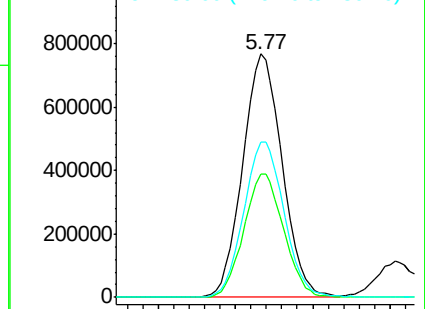
130 65.5 33.9 101.7



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.547 ppbv

RT: 3.08 min Scan# 44

Delta R.T. -0.00 min

Lab File: VL032982.D

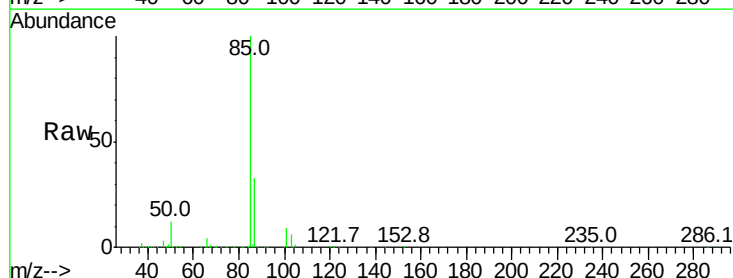
Acq: 12 Dec 2018 12:14

Tgt Ion: 85 Resp: 1189962

Ion Ratio Lower Upper

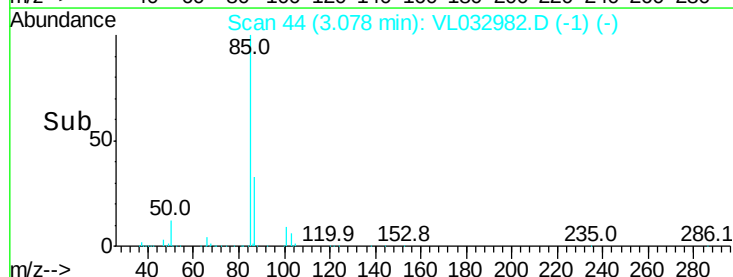
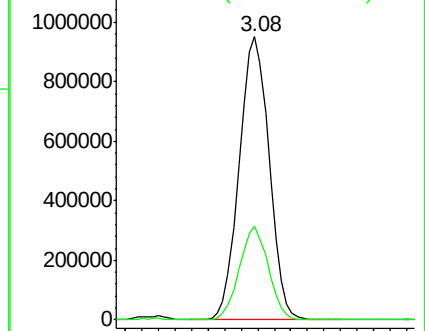
85 100

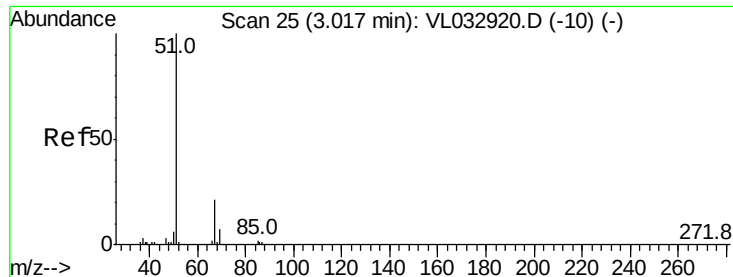
87 33.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.590 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

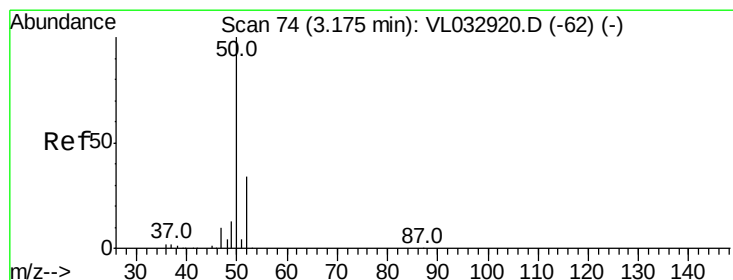
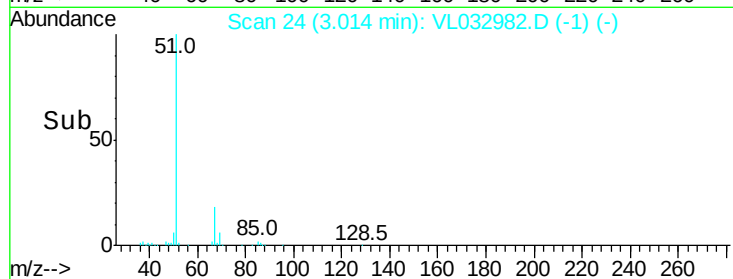
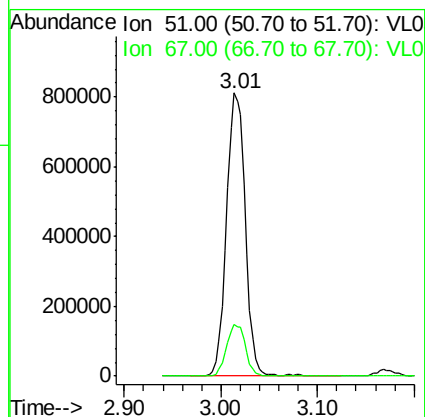
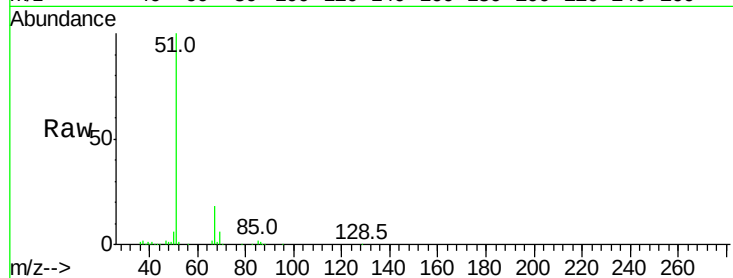
VSTDCCC010EC

Tgt Ion: 51 Resp: 1091977

Ion Ratio Lower Upper

51 100

67 18.3 16.8 25.2



#4

Chloromethane

Concen: 11.532 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032982.D

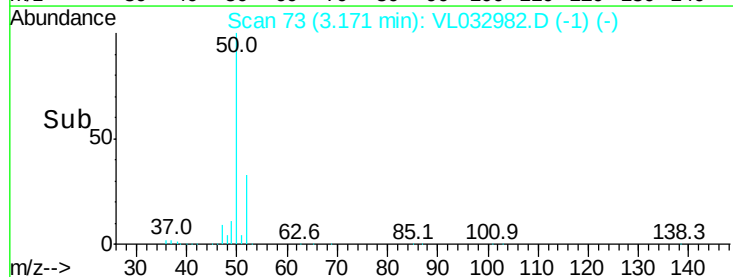
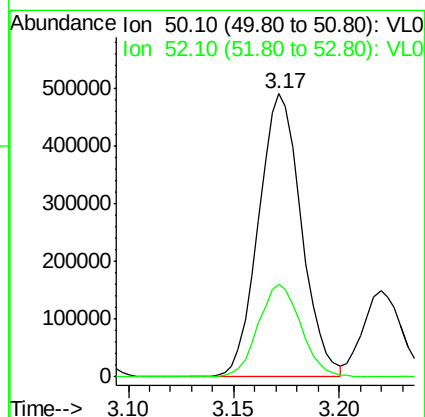
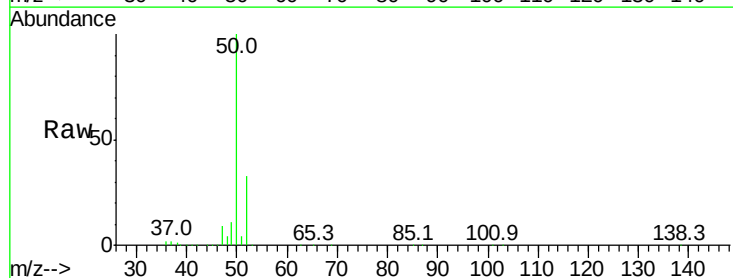
Acq: 12 Dec 2018 12:14

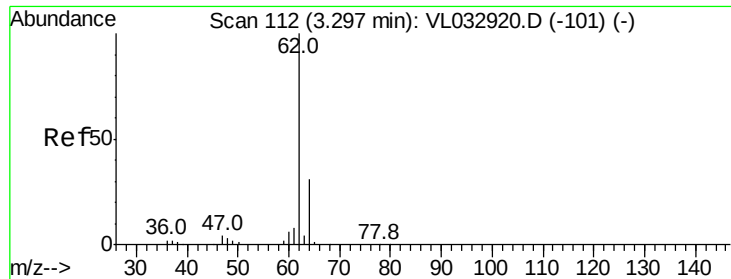
Tgt Ion: 50 Resp: 692255

Ion Ratio Lower Upper

50 100

52 32.6 27.3 40.9





#5

Vinyl Chloride

Concen: 11.094 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.01 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

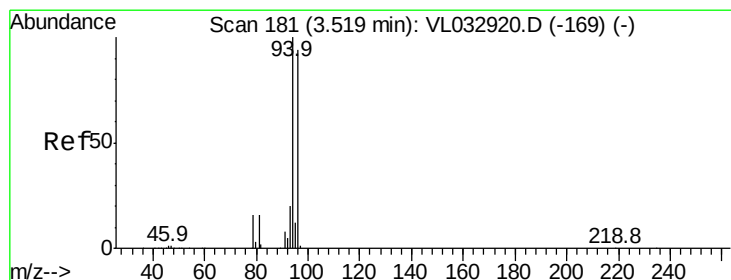
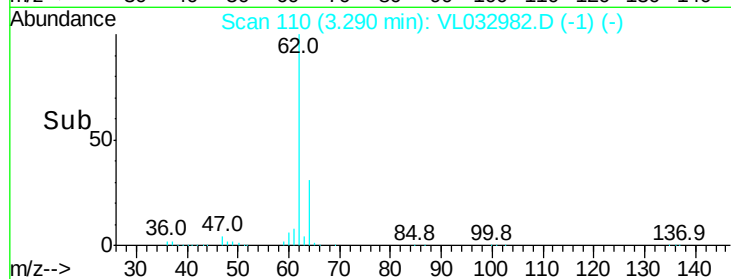
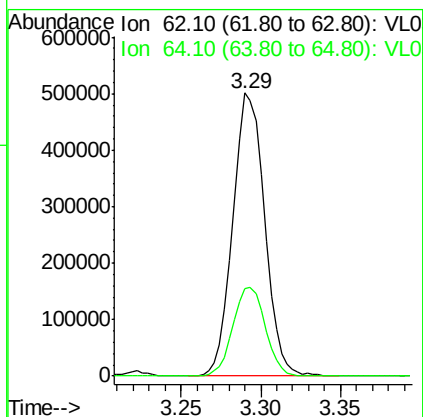
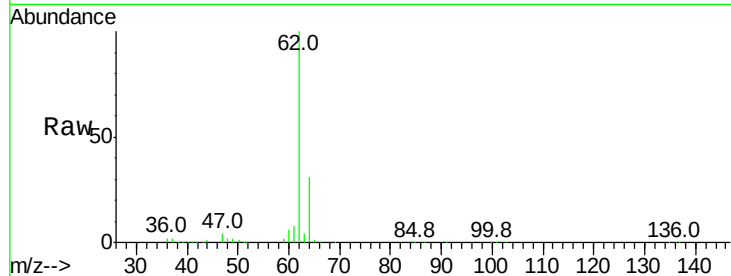
VSTDCCC010EC

Tgt Ion: 62 Resp: 677610

Ion Ratio Lower Upper

62 100

64 30.7 24.8 37.2



#6

Bromomethane

Concen: 11.270 ppbv

RT: 3.52 min Scan# 180

Delta R.T. -0.00 min

Lab File: VL032982.D

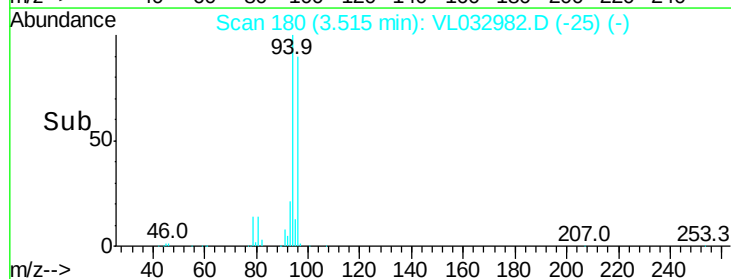
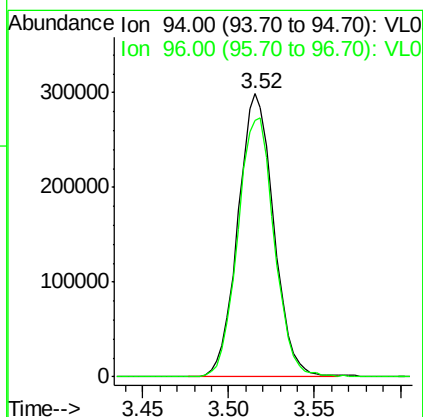
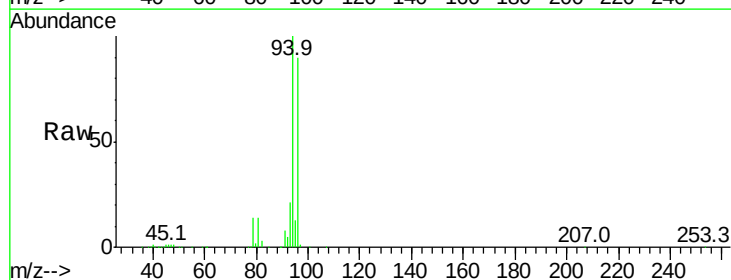
Acq: 12 Dec 2018 12:14

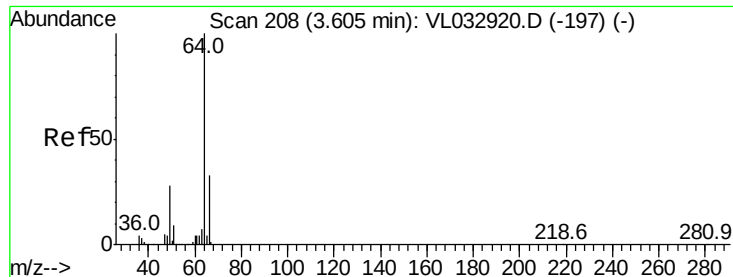
Tgt Ion: 94 Resp: 430548

Ion Ratio Lower Upper

94 100

96 90.4 75.5 113.3





#7

Chloroethane

Concen: 11.527 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

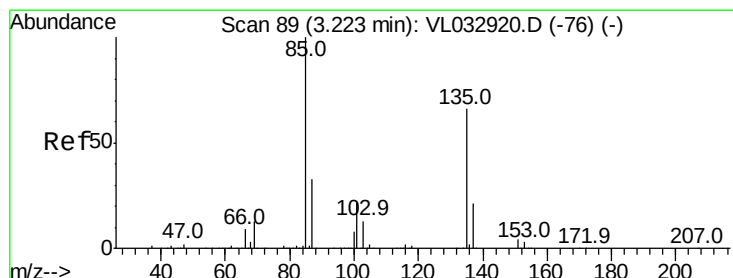
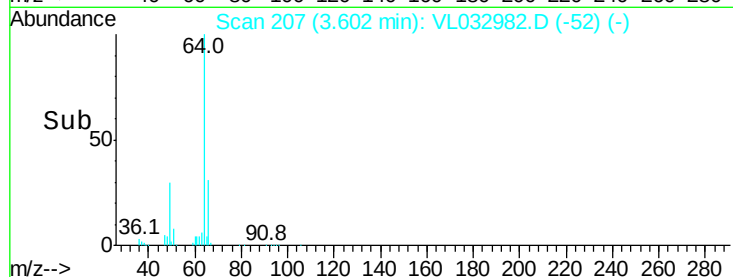
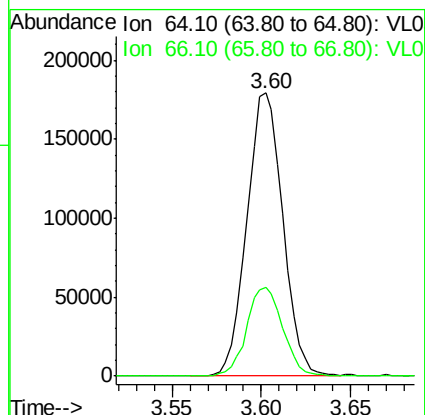
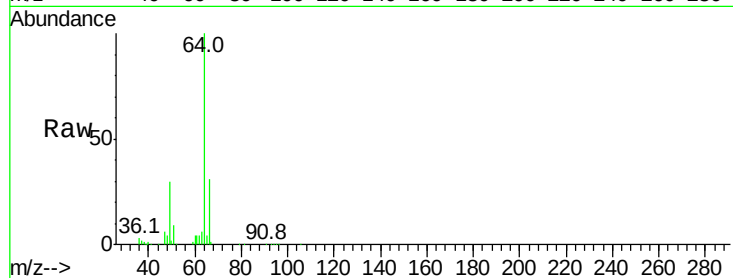
VSTDCCC010EC

Tgt Ion: 64 Resp: 252333

Ion Ratio Lower Upper

64 100

66 31.3 26.6 40.0



#8

Dichlorotetrafluoroethane

Concen: 11.075 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032982.D

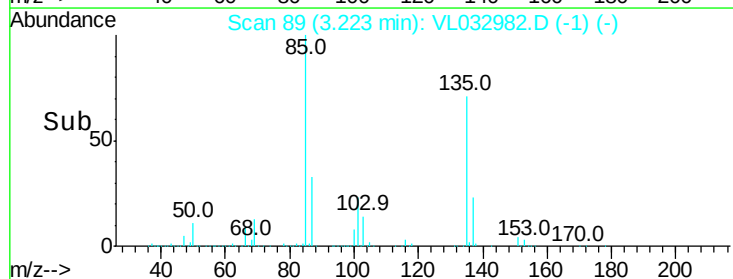
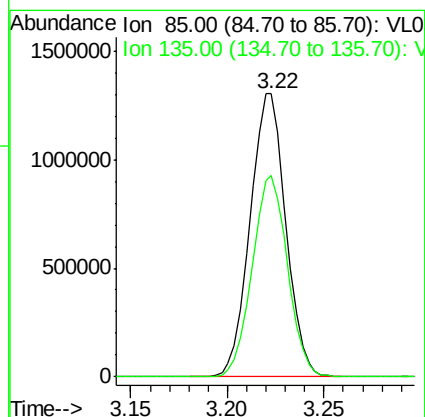
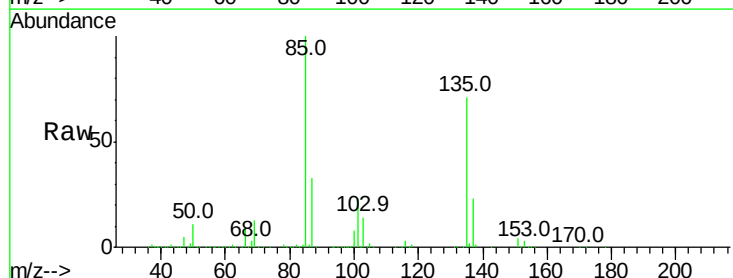
Acq: 12 Dec 2018 12:14

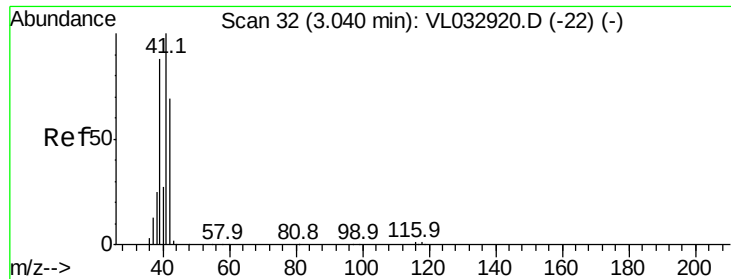
Tgt Ion: 85 Resp: 1672763

Ion Ratio Lower Upper

85 100

135 70.6 54.5 81.7





#9

Propene

Concen: 13.353 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

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ClientSampleId :

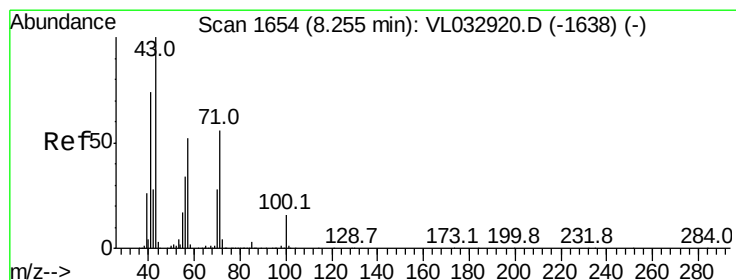
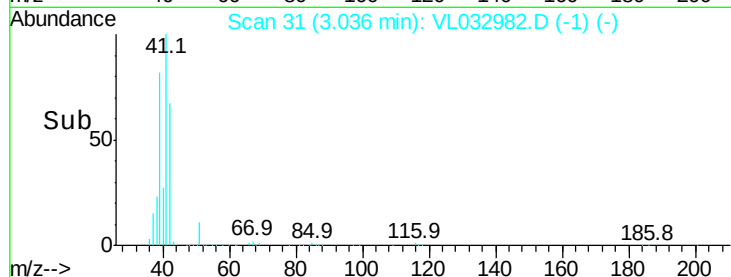
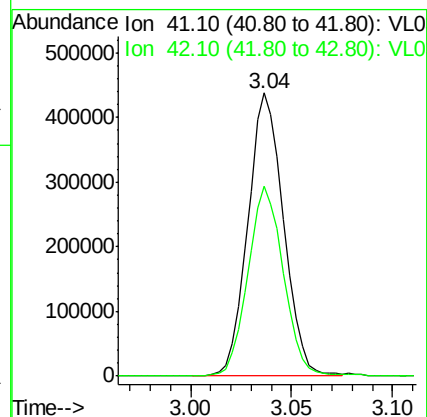
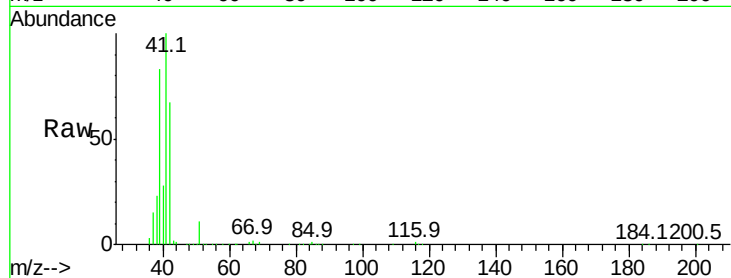
VSTDCCC010EC

Tgt Ion: 41 Resp: 544407

Ion Ratio Lower Upper

41 100

42 67.3 56.2 84.2



#10

Heptane

Concen: 12.930 ppbv

RT: 8.25 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VL032982.D

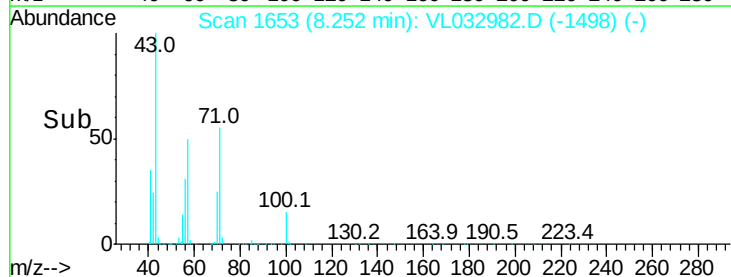
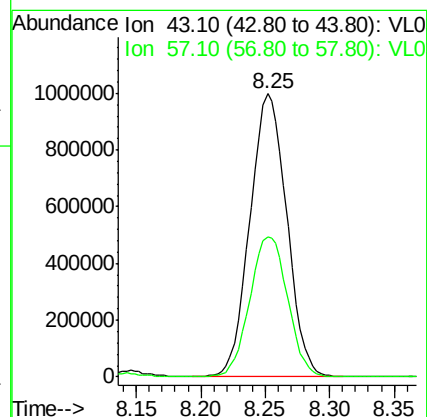
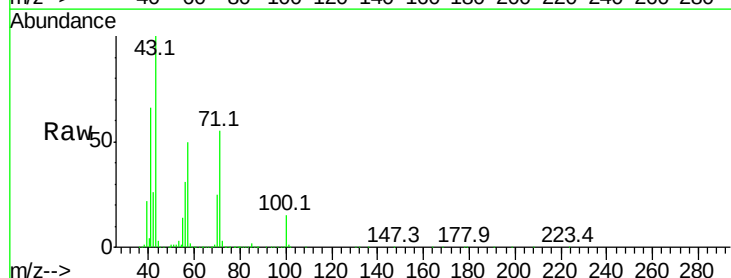
Acq: 12 Dec 2018 12:14

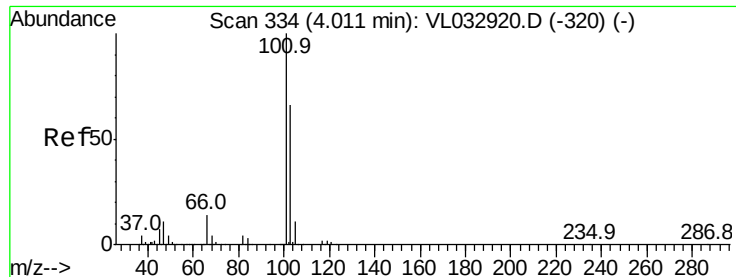
Tgt Ion: 43 Resp: 1980226

Ion Ratio Lower Upper

43 100

57 51.3 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.766 ppbv

RT: 4.01 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

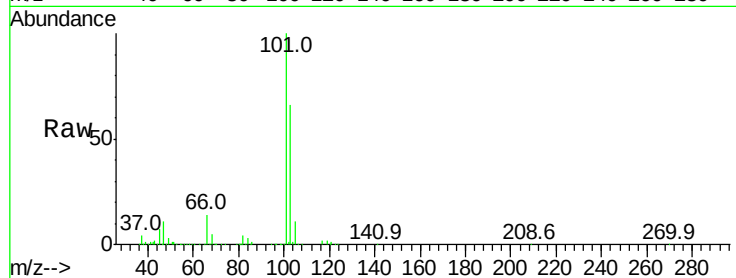
VSTDCCC010EC

Tgt Ion:101 Resp: 1672414

Ion Ratio Lower Upper

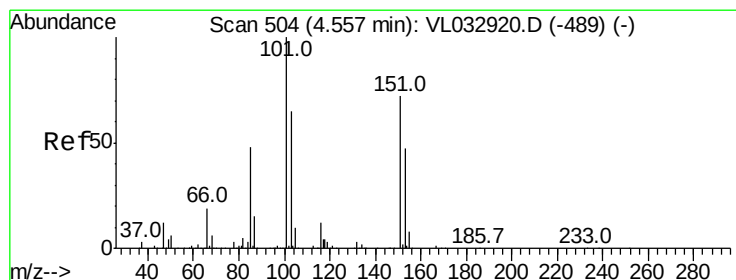
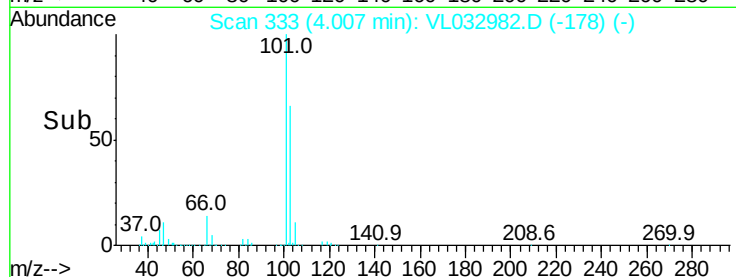
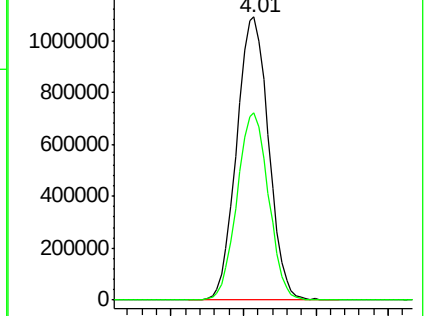
101 100

103 66.1 52.7 79.1



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.364 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL032982.D

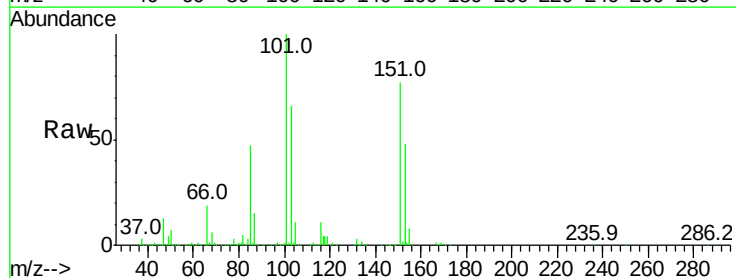
Acq: 12 Dec 2018 12:14

Tgt Ion:101 Resp: 1368076

Ion Ratio Lower Upper

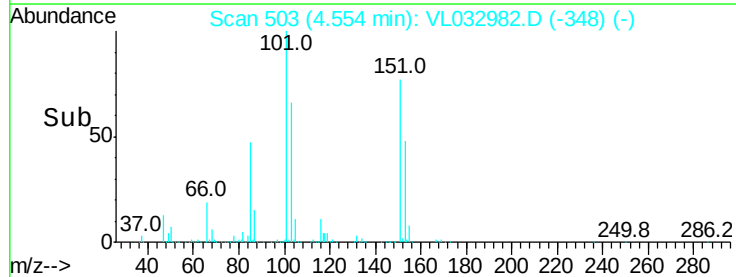
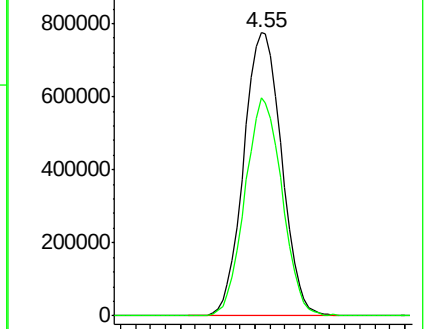
101 100

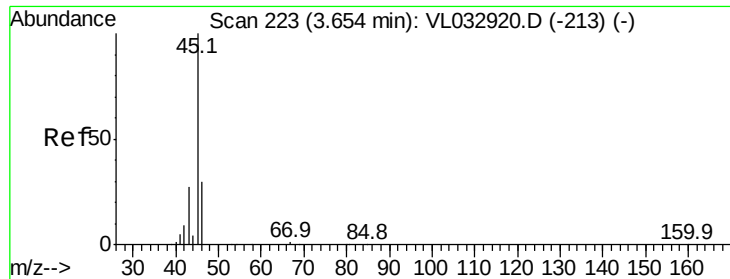
151 75.3 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 9.483 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

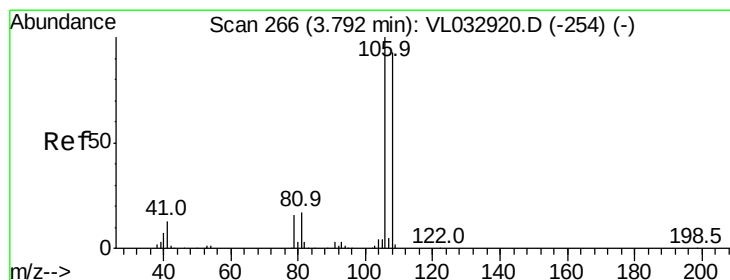
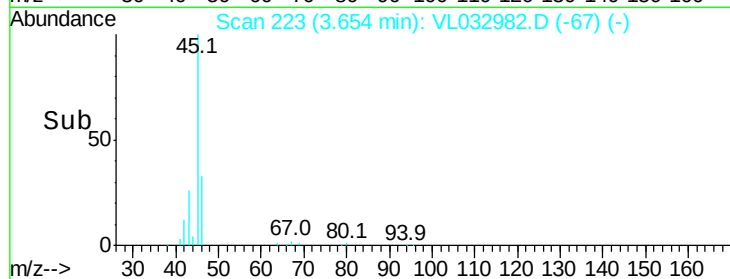
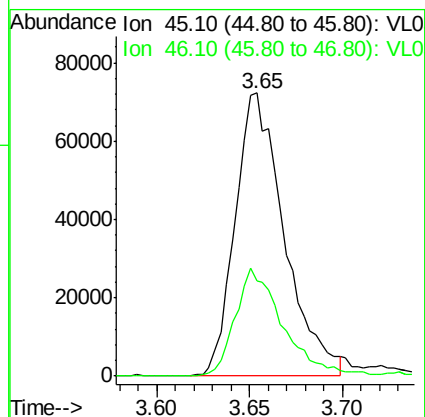
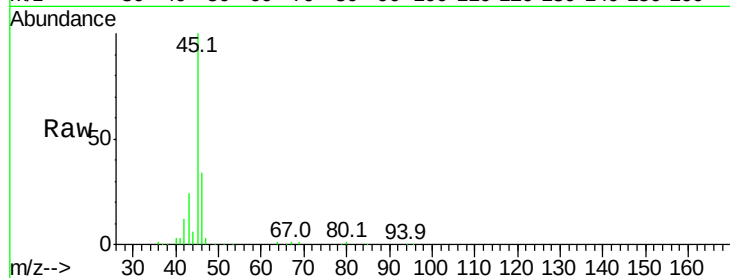
VSTDCCC010EC

Tgt Ion: 45 Resp: 133116

Ion Ratio Lower Upper

45 100

46 38.2 13.8 55.4



#14

Bromoethene

Concen: 11.075 ppbv

RT: 3.79 min Scan# 265

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

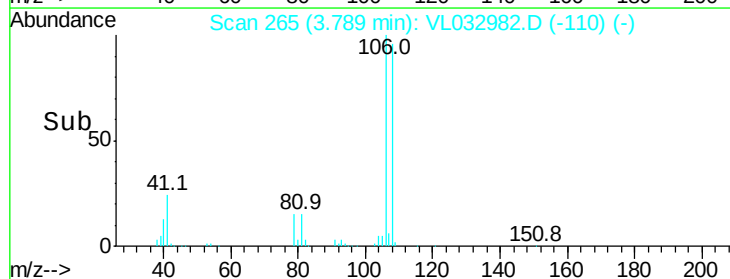
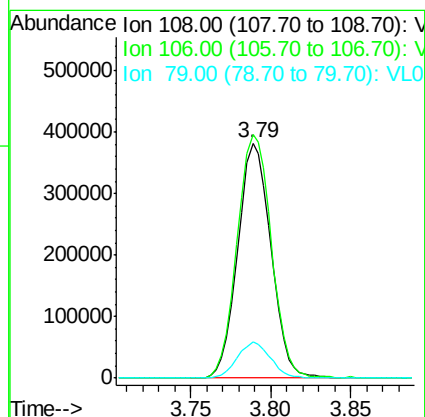
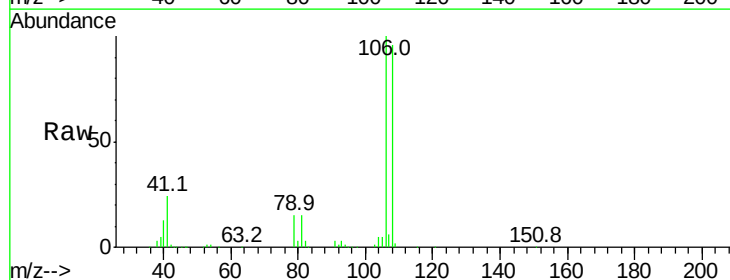
Tgt Ion: 108 Resp: 537231

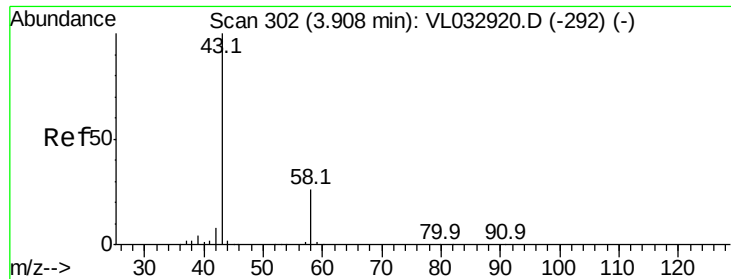
Ion Ratio Lower Upper

108 100

106 107.7 85.4 128.2

79 15.9 14.6 21.8





#15

Acetone

Concen: 9.999 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

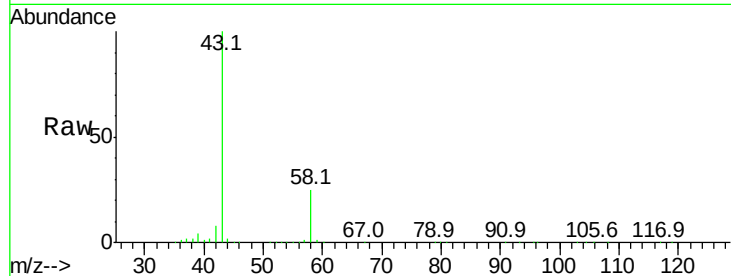
VSTDCCC010EC

Tgt Ion: 43 Resp: 1168500

Ion Ratio Lower Upper

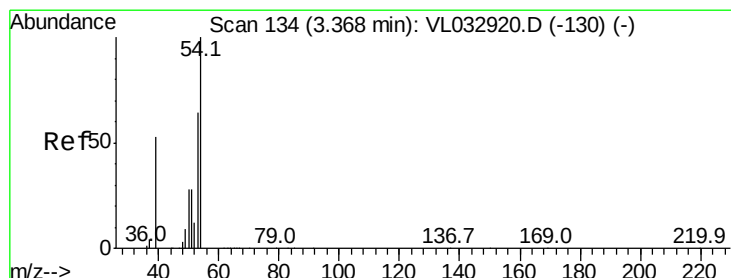
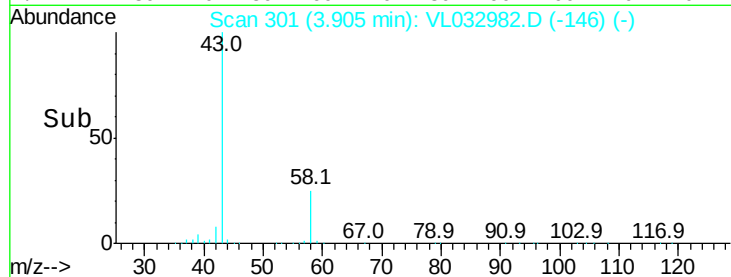
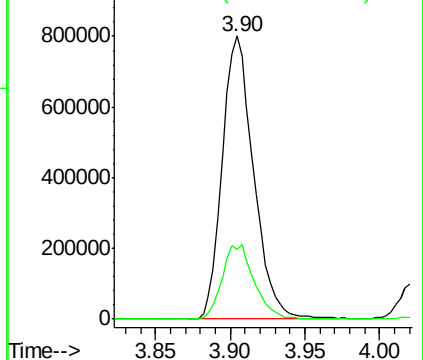
43 100

58 27.0 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 12.529 ppbv

RT: 3.36 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL032982.D

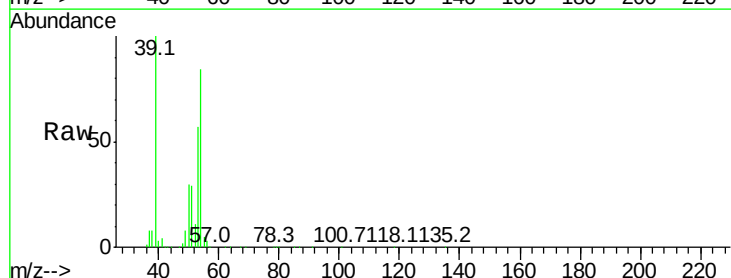
Acq: 12 Dec 2018 12:14

Tgt Ion: 39 Resp: 580884

Ion Ratio Lower Upper

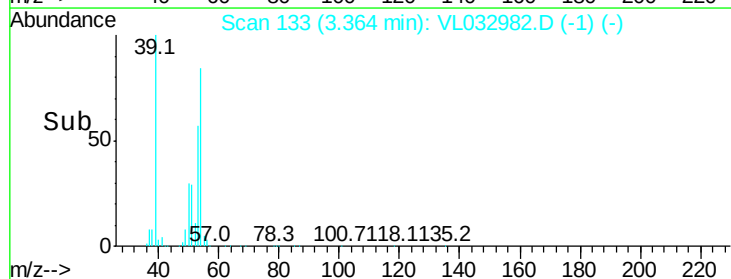
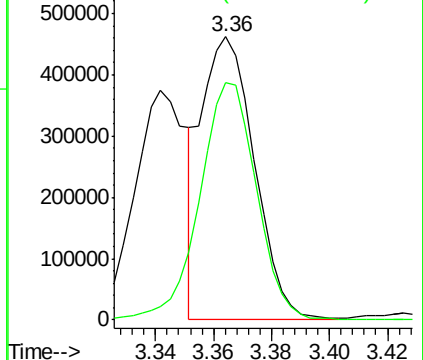
39 100

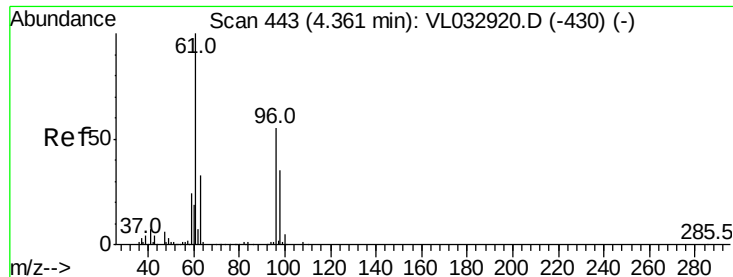
54 91.5 72.7 109.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 13.459 ppbv

RT: 4.36 min Scan# 442

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

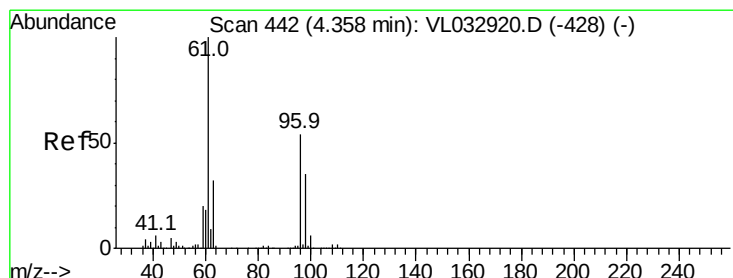
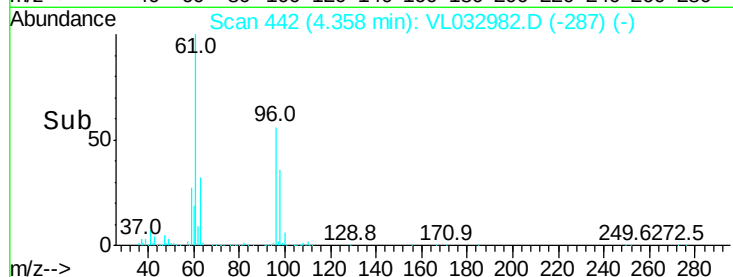
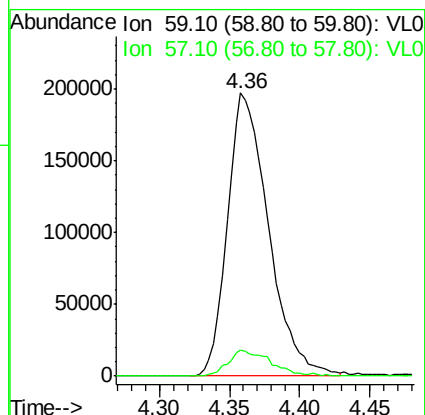
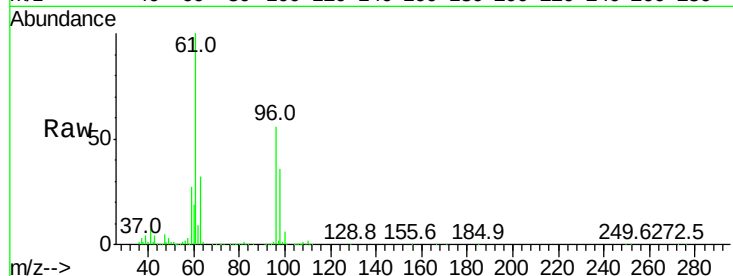
VSTDCCC010EC

Tgt Ion: 59 Resp: 400436

Ion Ratio Lower Upper

59 100

57 9.8 0.6 1.0#



#18

1,1-Dichloroethene

Concen: 11.309 ppbv

RT: 4.35 min Scan# 441

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

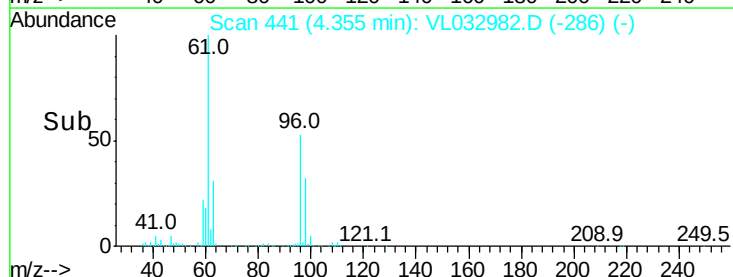
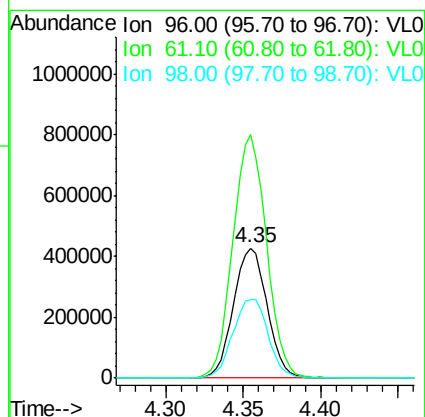
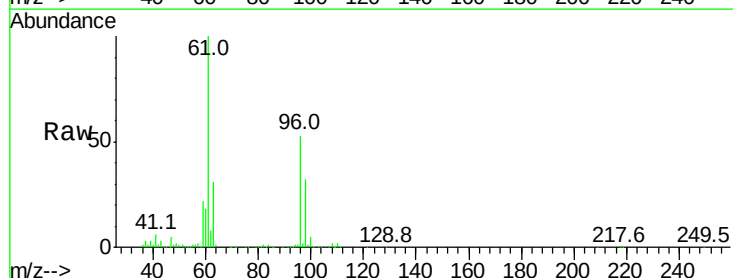
Tgt Ion: 96 Resp: 647072

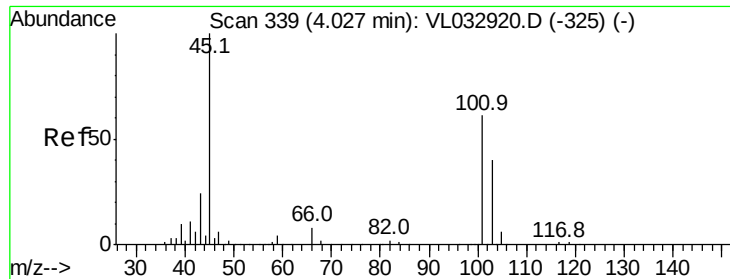
Ion Ratio Lower Upper

96 100

61 187.6 147.0 220.4

98 60.9 50.7 76.1





#19

Isopropyl Alcohol

Concen: 12.758 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

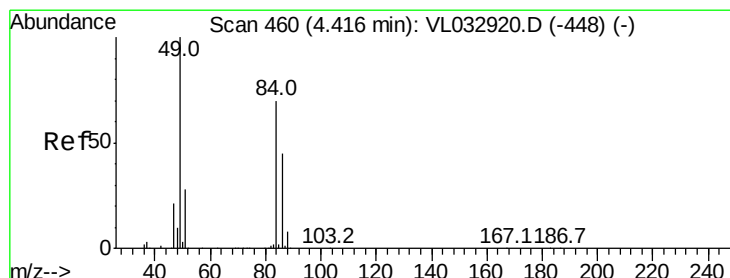
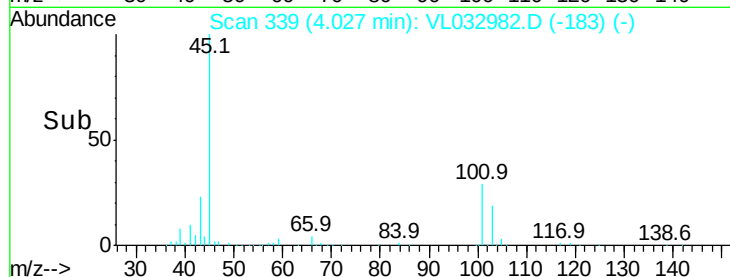
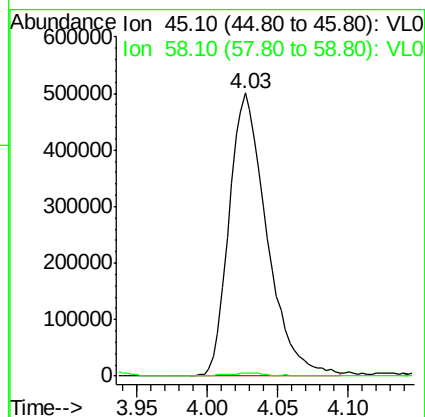
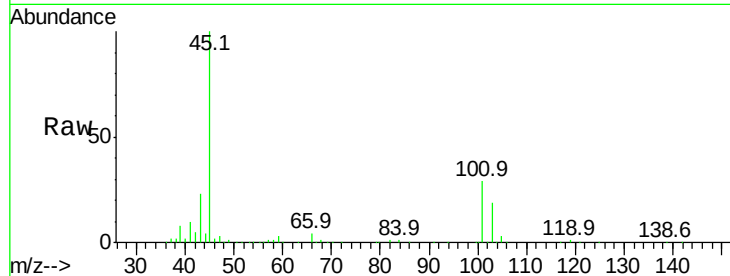
VSTDCCC010EC

Tgt Ion: 45 Resp: 936326

Ion Ratio Lower Upper

45 100

58 1.3 1.4 2.2#



#20

Methylene Chloride

Concen: 10.232 ppbv

RT: 4.41 min Scan# 458

Delta R.T. -0.01 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Tgt Ion: 84 Resp: 584396

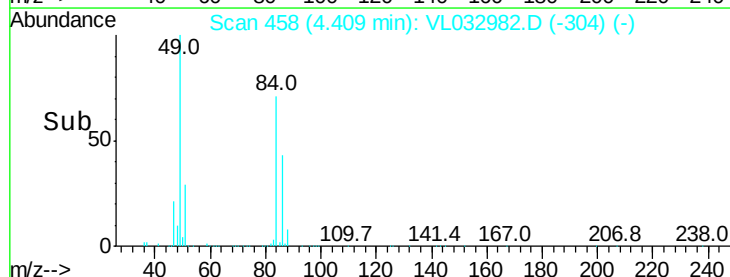
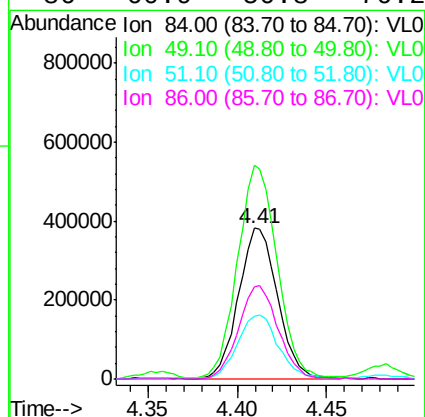
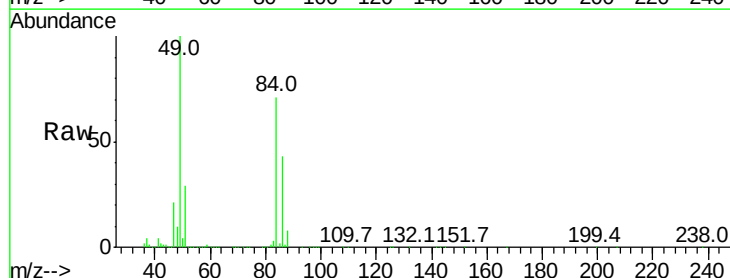
Ion Ratio Lower Upper

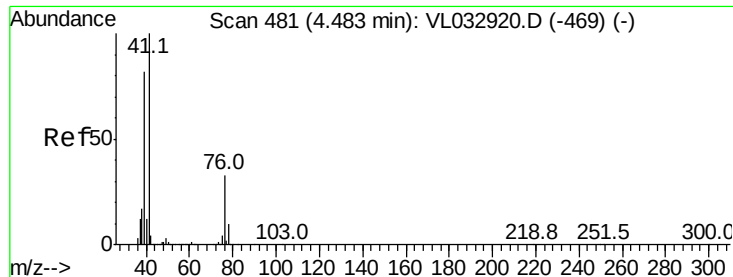
84 100

49 140.9 113.8 170.8

51 41.2 31.8 47.8

86 60.9 50.8 76.2





#21

Allyl Chloride

Concen: 11.008 ppbv

RT: 4.48 min Scan# 480

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

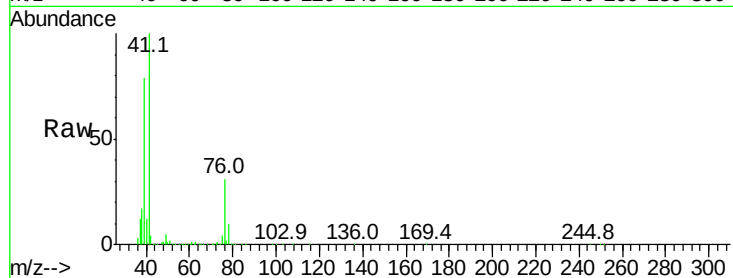
Tgt Ion: 41 Resp: 1048383

Ion Ratio Lower Upper

41 100

76 30.3 25.2 37.8

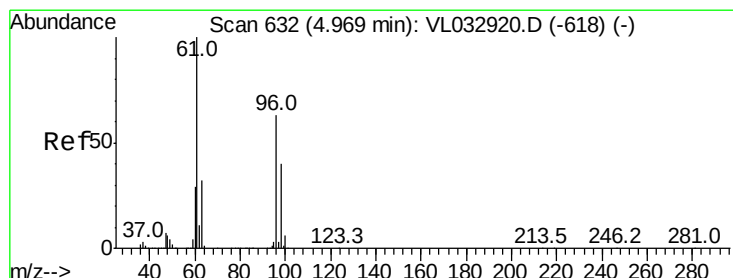
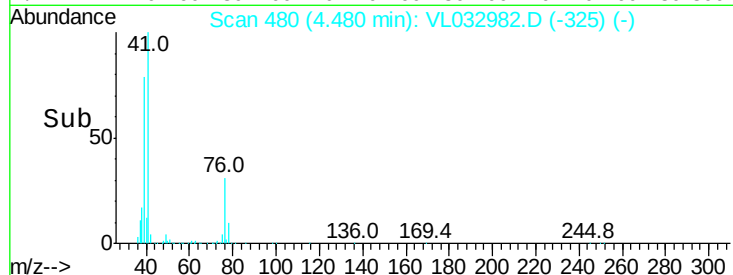
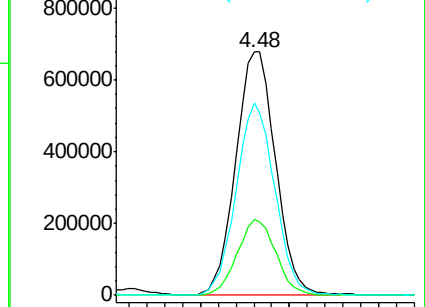
39 77.0 65.2 97.8



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: 9.163 ppbv

RT: 4.97 min Scan# 631

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

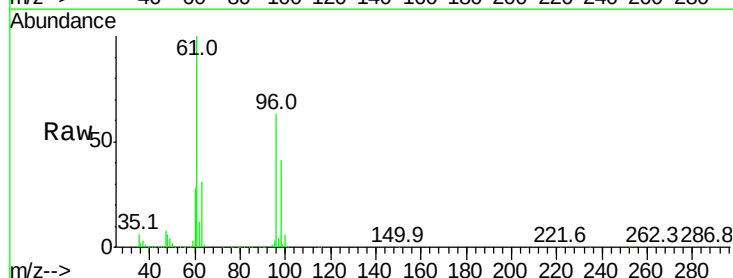
Tgt Ion: 96 Resp: 650689

Ion Ratio Lower Upper

96 100

61 159.5 127.1 190.7

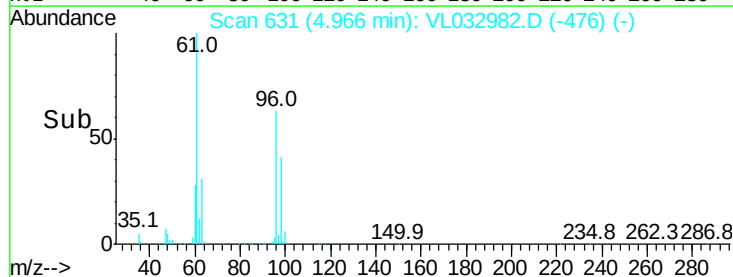
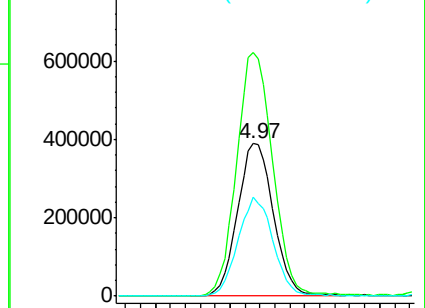
98 64.8 51.3 76.9

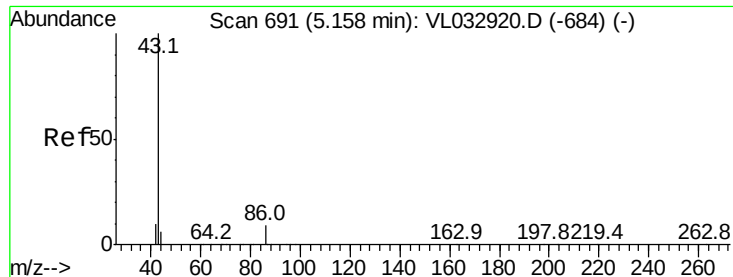


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 13.334 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2638367

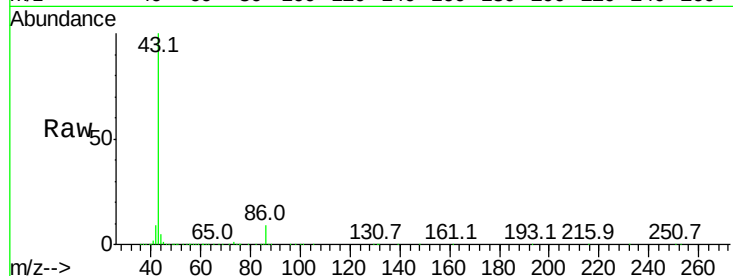
Ion	Ratio	Lower	Upper
43	100		
86	8.5	6.6	9.8
42	9.1	8.3	12.5
44	5.1	4.2	6.4

43 100

86 8.5 6.6 9.8

42 9.1 8.3 12.5

44 5.1 4.2 6.4



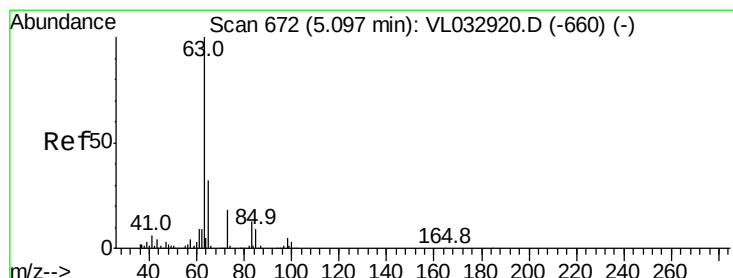
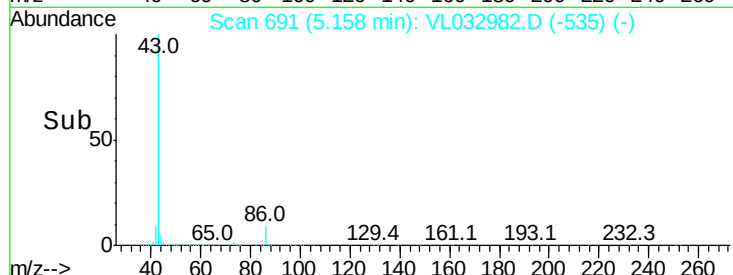
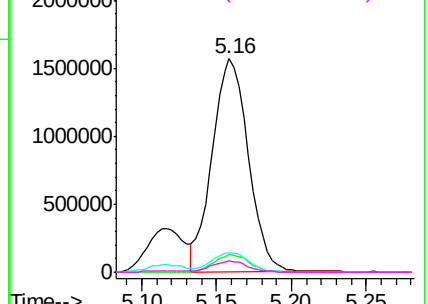
Abundance

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: 10.939 ppbv

RT: 5.09 min Scan# 671

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

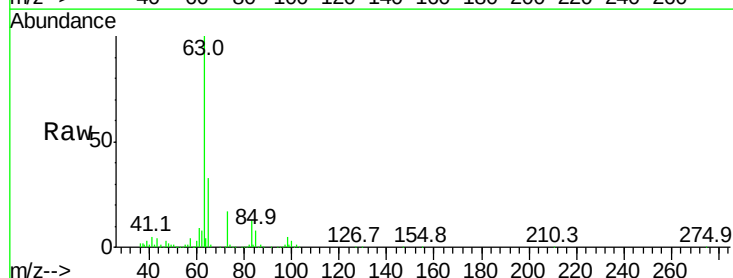
Tgt Ion: 63 Resp: 1882041

Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.5	7.5
100	2.8	1.4	4.2

63 100

98 4.8 2.5 7.5

100 2.8 1.4 4.2

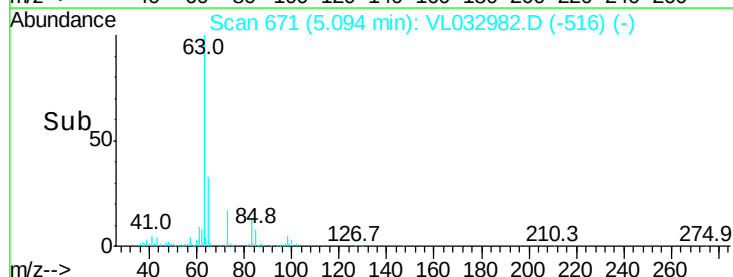
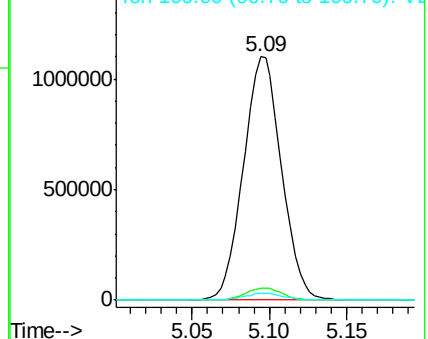


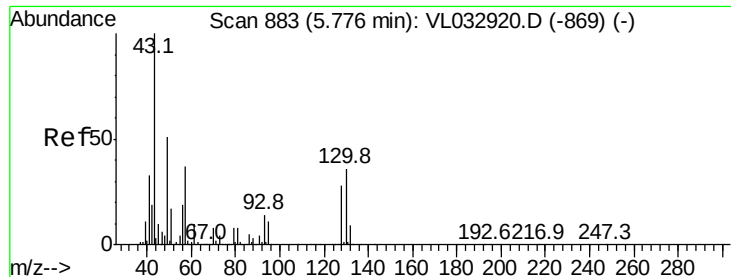
Abundance

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



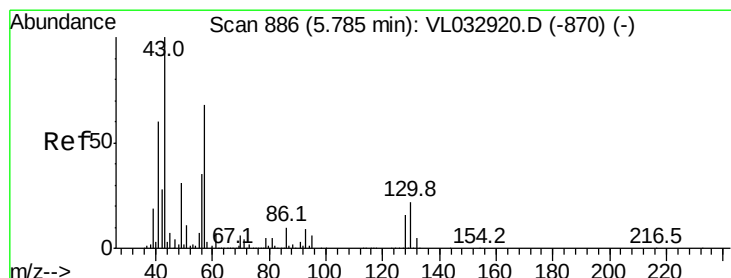
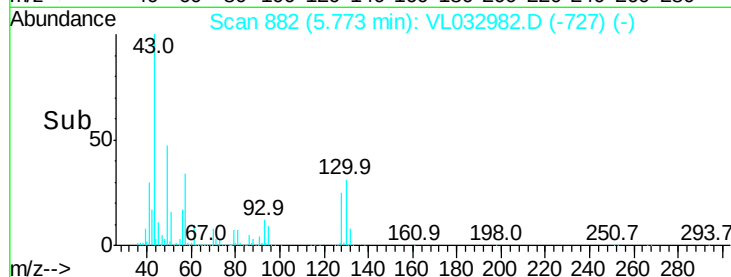
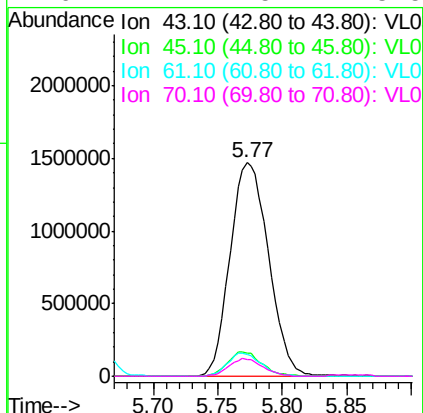
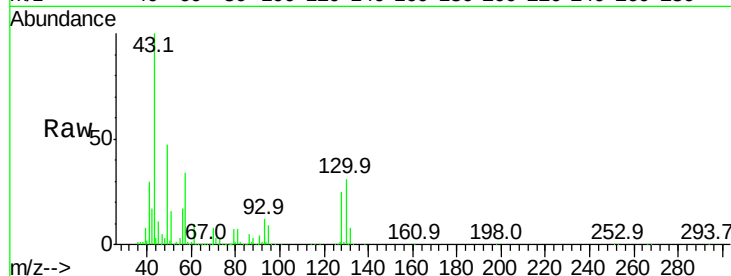


#25
Ethyl Acetate
Concen: 11.047 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 3049532

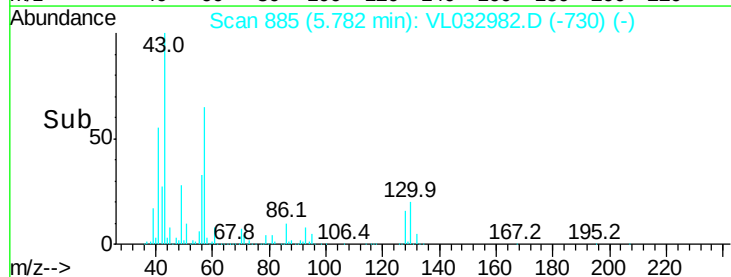
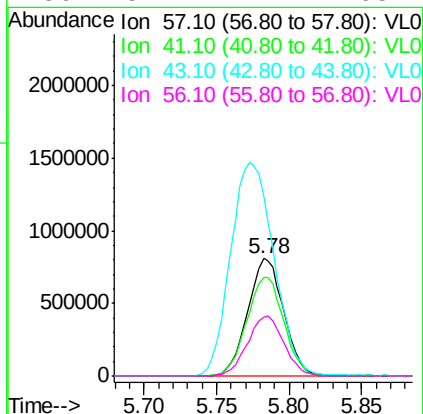
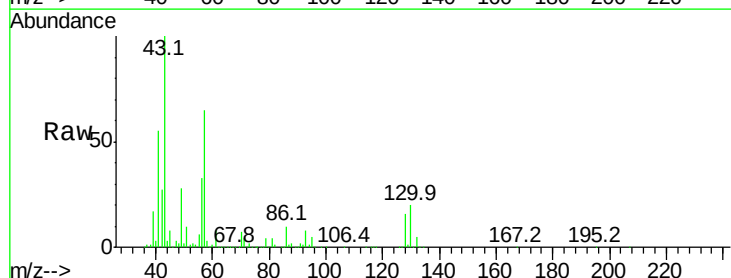
Ion	Ratio	Lower	Upper
43	100		
45	10.1	7.8	11.6
61	9.7	7.4	11.2
70	7.2	5.7	8.5

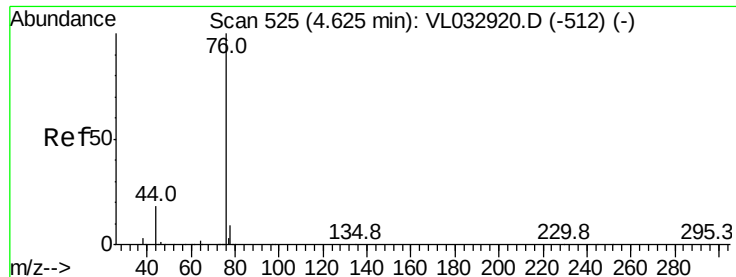


#26
Hexane
Concen: 10.940 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion: 57 Resp: 1394331

Ion	Ratio	Lower	Upper
57	100		
41	86.5	72.2	108.2
43	219.9	171.9	257.9
56	51.7	42.2	63.2





#27

Carbon Disulfide

Concen: 9.964 ppbv

RT: 4.62 min Scan# 524

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

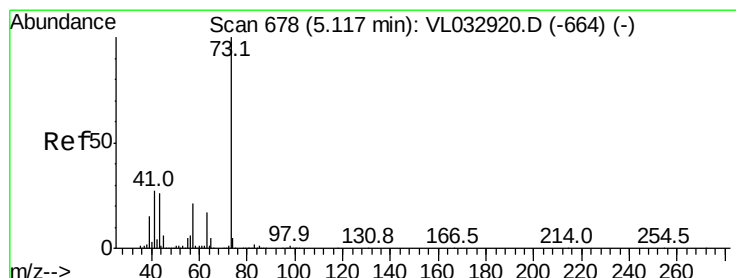
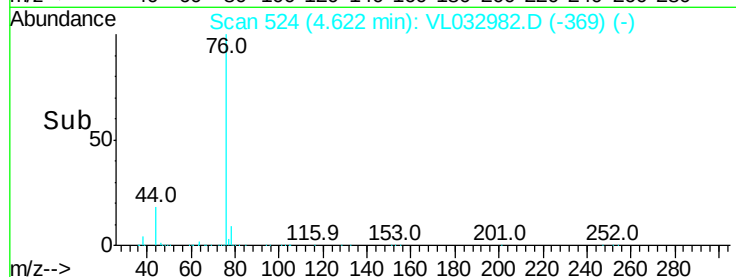
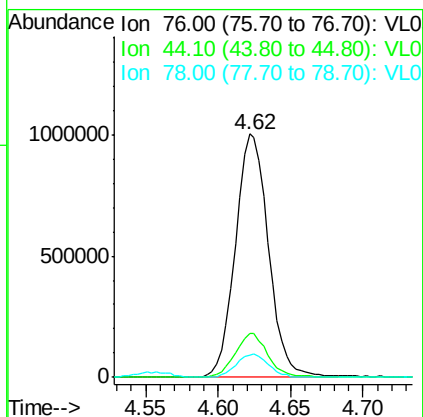
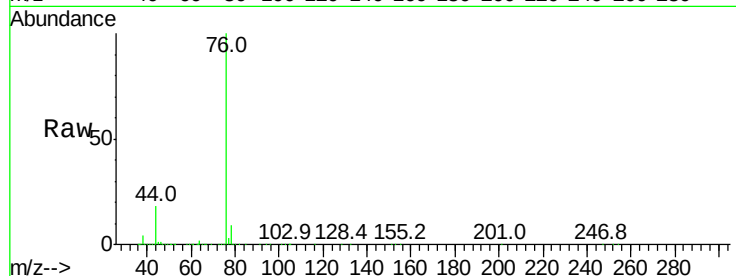
Tgt Ion: 76 Resp: 1587748

Ion Ratio Lower Upper

76 100

44 17.6 14.7 22.1

78 9.5 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 12.696 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL032982.D

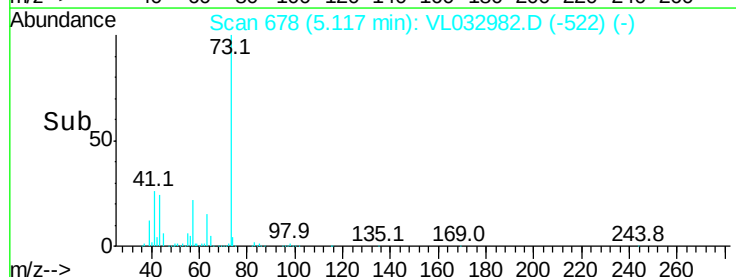
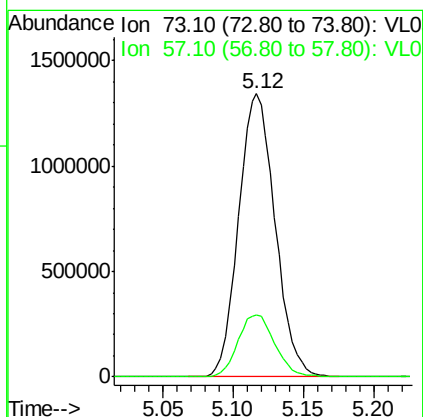
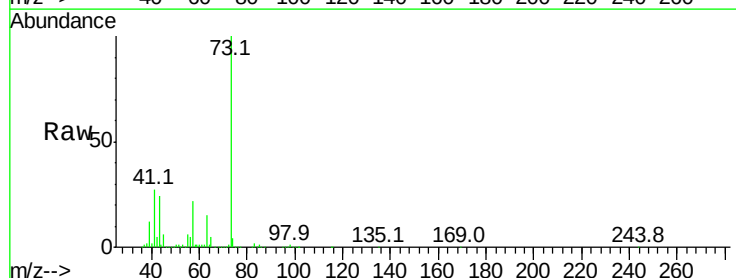
Acq: 12 Dec 2018 12:14

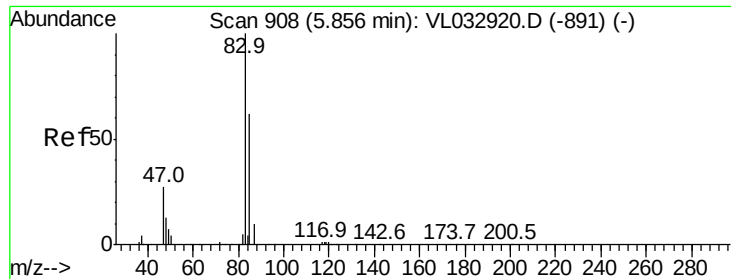
Tgt Ion: 73 Resp: 2430289

Ion Ratio Lower Upper

73 100

57 22.4 17.4 26.0

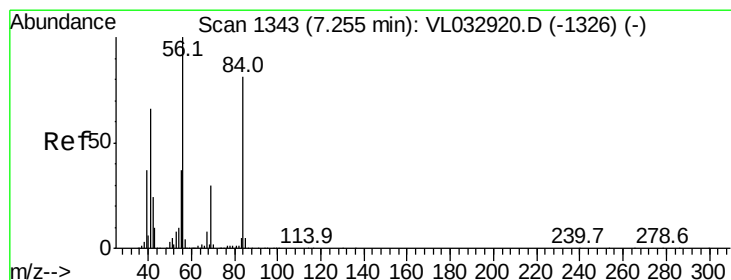
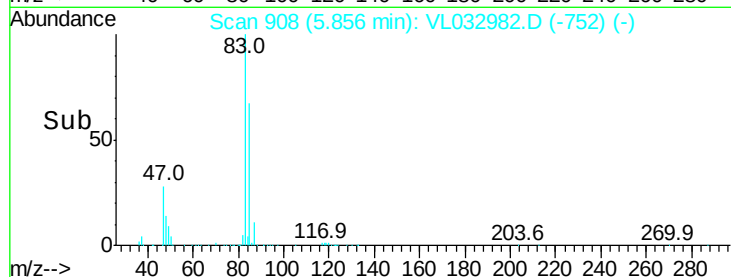
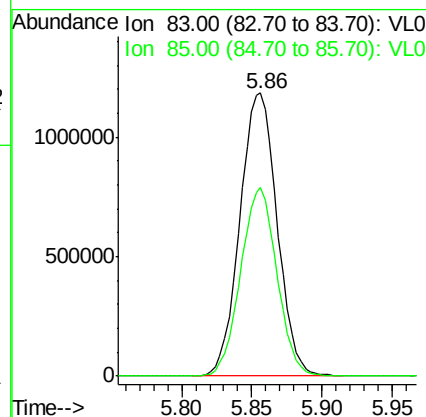
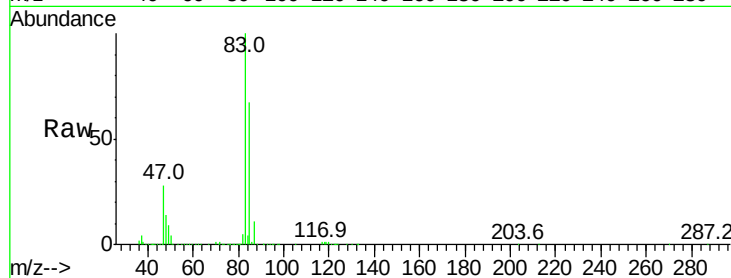




#29
Chloroform
Concen: 9.637 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

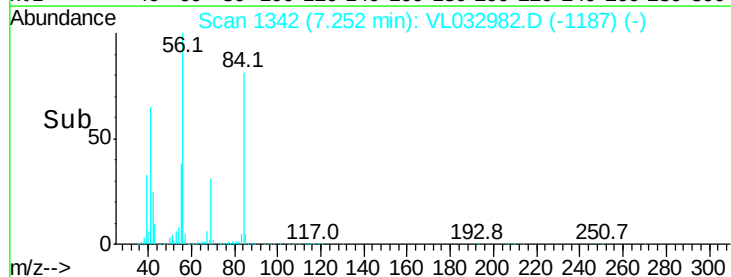
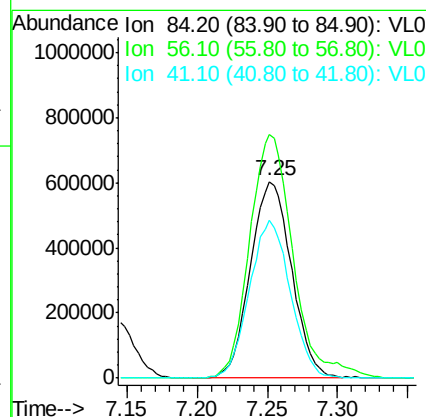
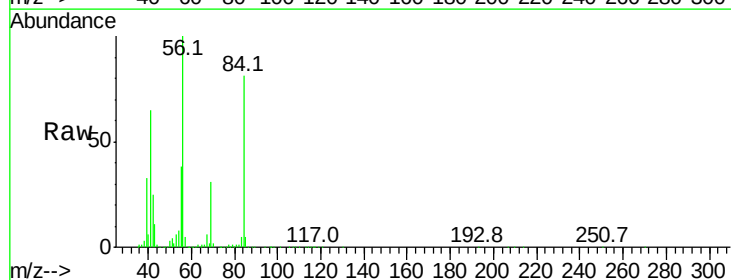
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

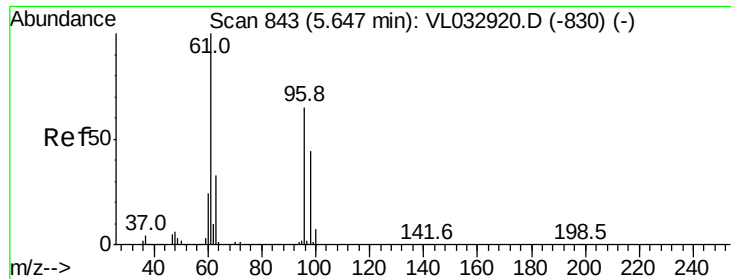
Tgt Ion: 83 Resp: 2191572
Ion Ratio Lower Upper
83 100
85 66.8 49.8 74.8



#30
Cyclohexane
Concen: 11.678 ppbv
RT: 7.25 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion: 84 Resp: 1233579
Ion Ratio Lower Upper
84 100
56 131.1 102.5 153.7
41 79.7 64.1 96.1



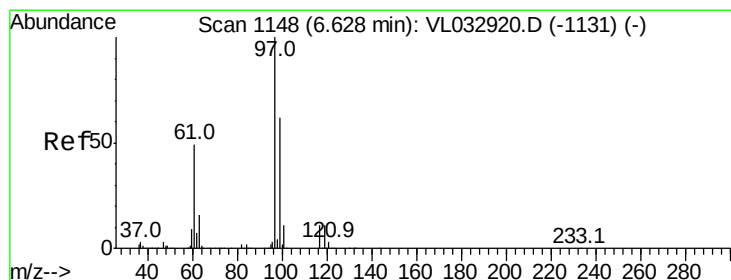
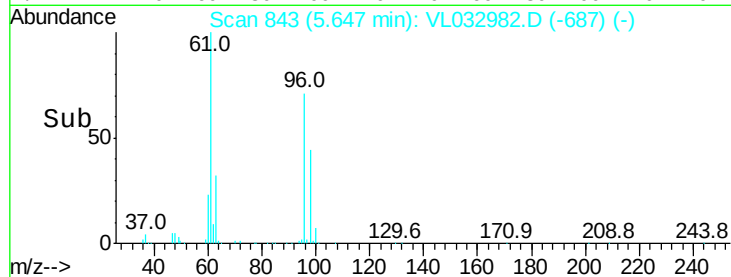
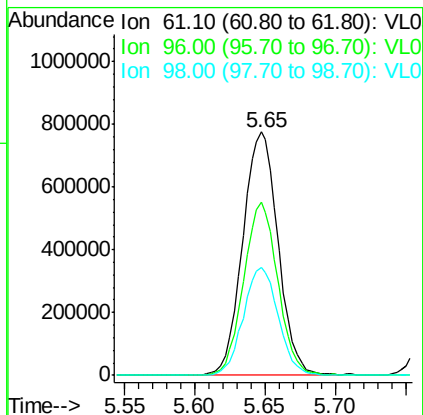
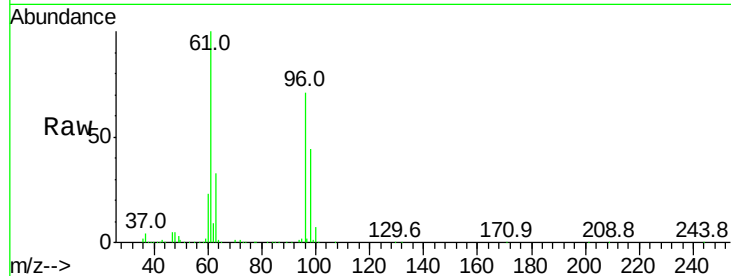


#31

cis-1,2-Dichloroethene
Concen: 11.635 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

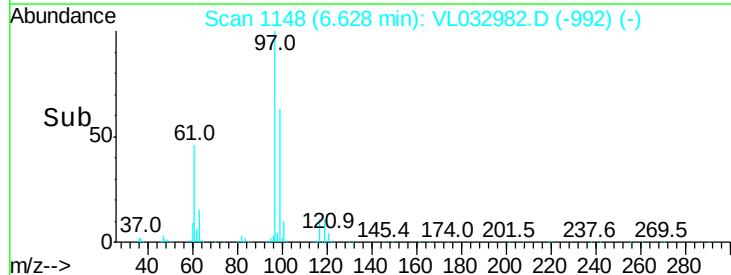
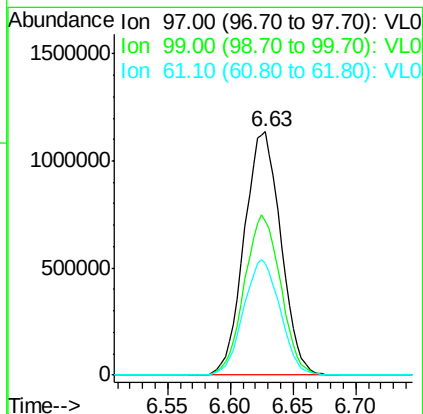
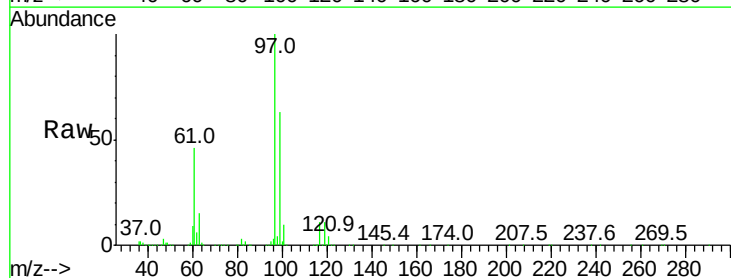
Tgt Ion: 61 Resp: 1360755
Ion Ratio Lower Upper
61 100
96 71.0 51.9 77.9
98 44.1 35.0 52.4

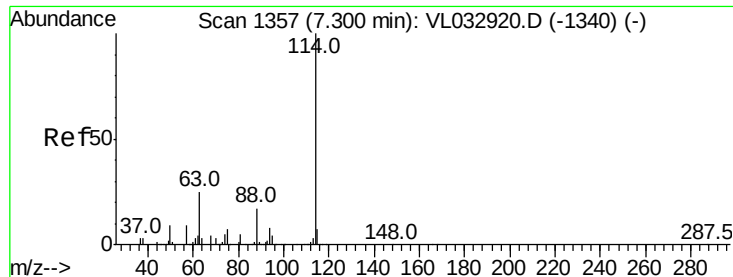


#32

1,1,1-Trichloroethane
Concen: 9.602 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion: 97 Resp: 2310497
Ion Ratio Lower Upper
97 100
99 65.1 51.1 76.7
61 47.3 39.3 58.9

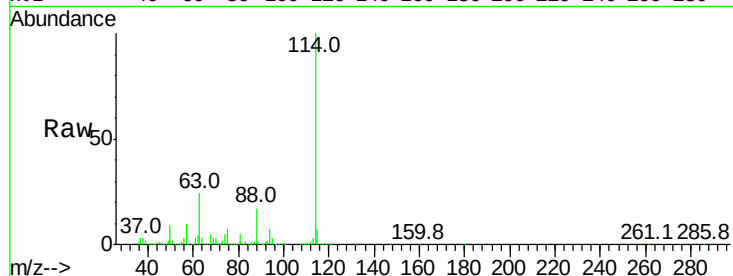




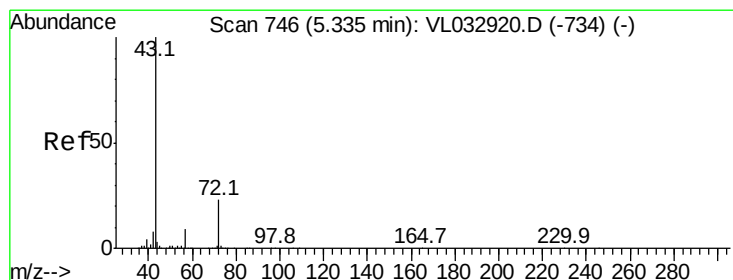
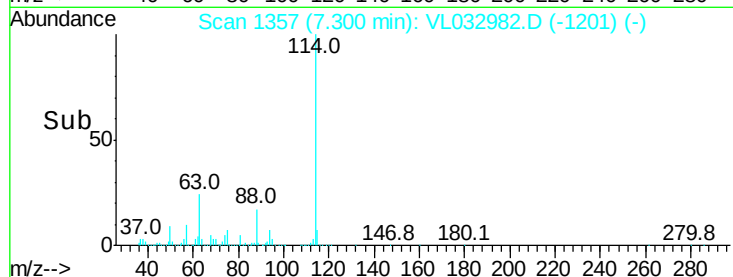
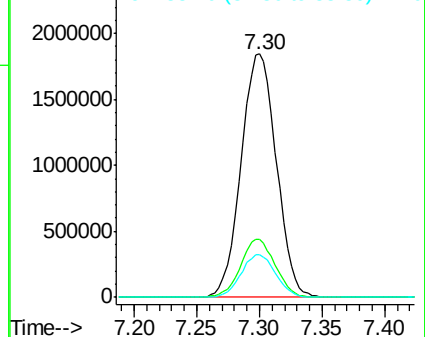
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:114 Resp: 3603328
 Ion Ratio Lower Upper
 114 100
 63 23.8 20.1 30.1
 88 17.3 14.2 21.4

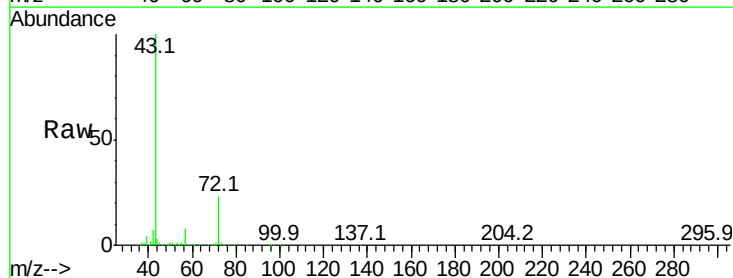


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

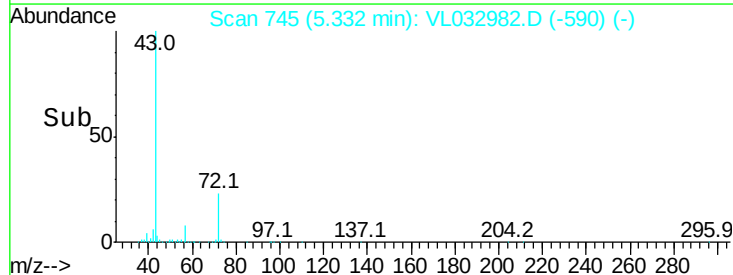
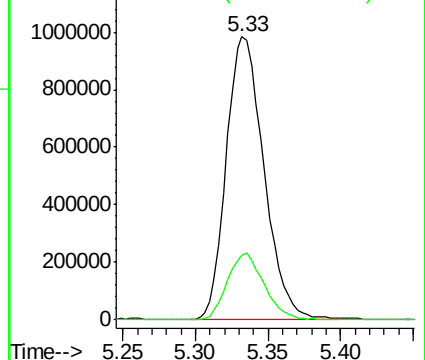


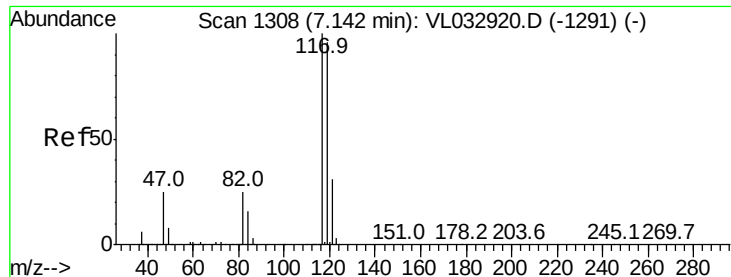
#34
 2-Butanone
 Concen: 11.193 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 43 Resp: 1756827
 Ion Ratio Lower Upper
 43 100
 72 23.4 18.8 28.2



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





#35

Carbon Tetrachloride

Concen: 8.463 ppbv

RT: 7.14 min Scan# 1307

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

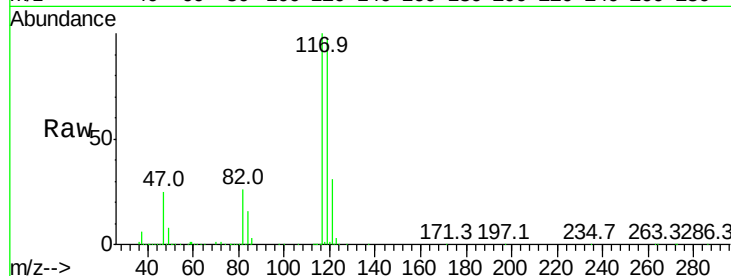
Tgt Ion:117 Resp: 2396922

Ion Ratio Lower Upper

117 100

119 96.8 76.5 114.7

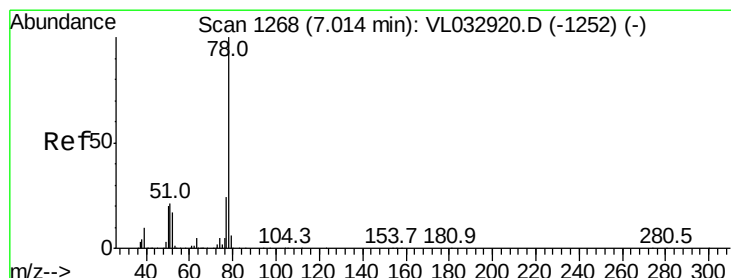
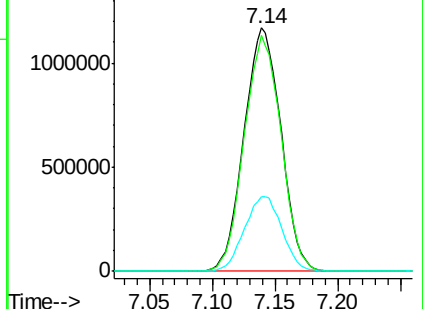
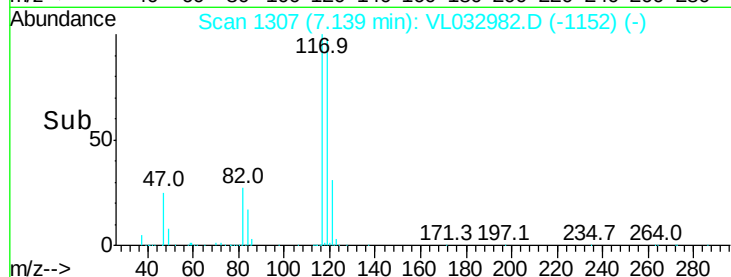
121 30.8 24.5 36.7



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: 11.225 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

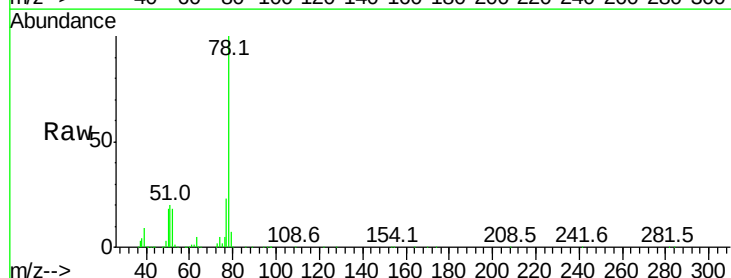
Tgt Ion: 78 Resp: 2974917

Ion Ratio Lower Upper

78 100

77 23.1 18.9 28.3

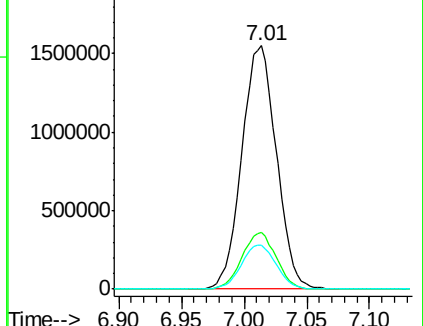
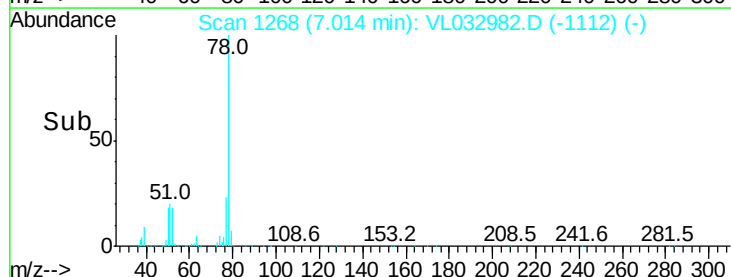
50 18.1 16.1 24.1

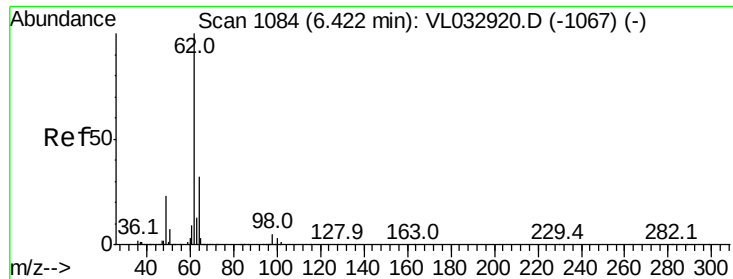


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

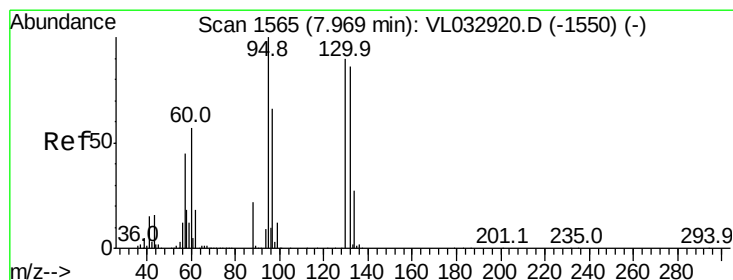
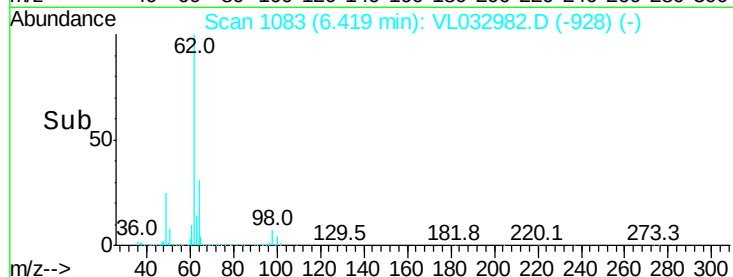
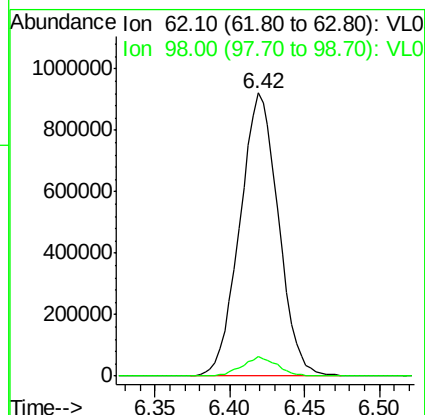
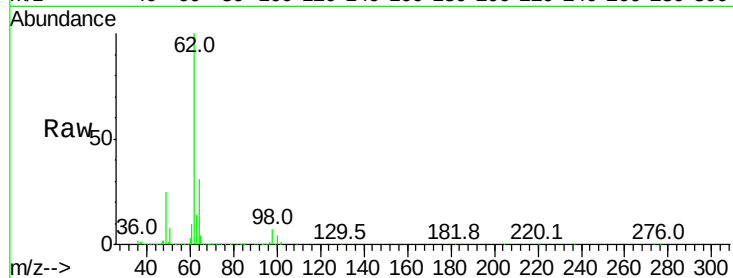




#37
 1,2-Dichloroethane
 Concen: 9.172 ppbv
 RT: 6.42 min Scan# 1083
 Delta R.T. -0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

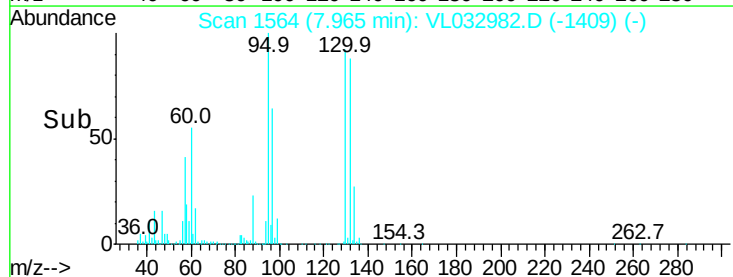
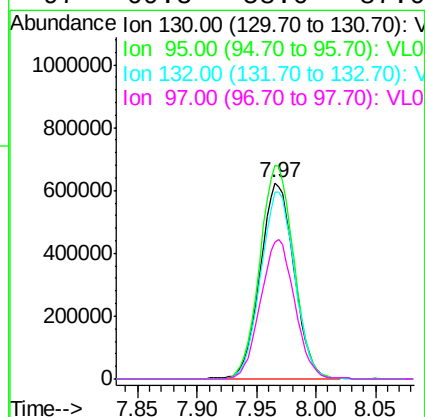
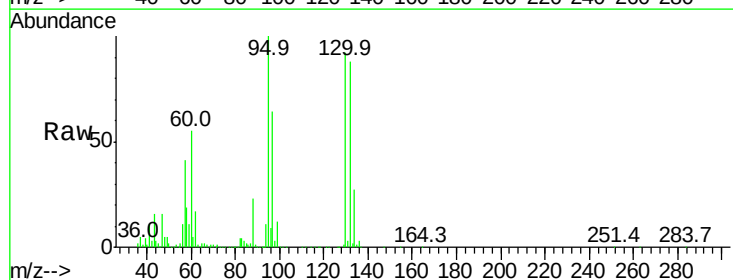
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

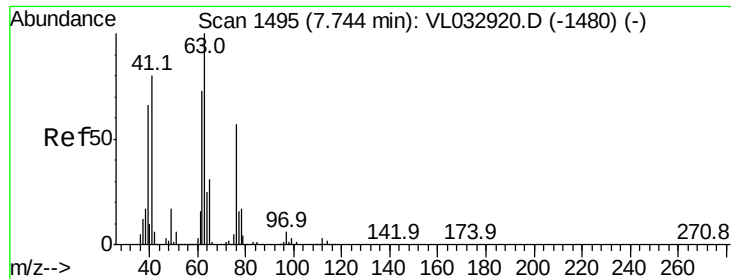
Tgt Ion: 62 Resp: 1654981
 Ion Ratio Lower Upper
 62 100
 98 6.4 4.3 6.5



#38
 Trichloroethene
 Concen: 11.137 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 130 Resp: 1228347
 Ion Ratio Lower Upper
 130 100
 95 108.8 88.6 132.8
 132 95.5 76.1 114.1
 97 69.5 58.0 87.0

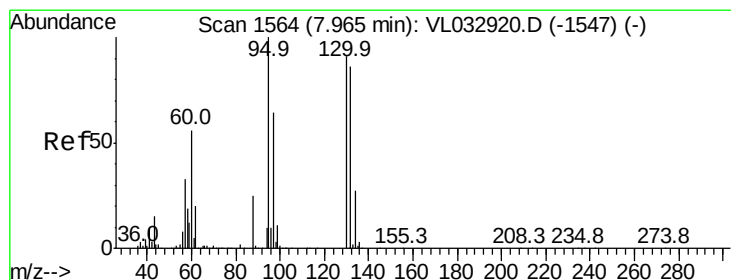
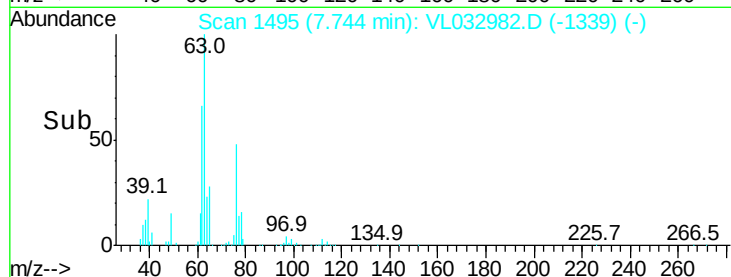
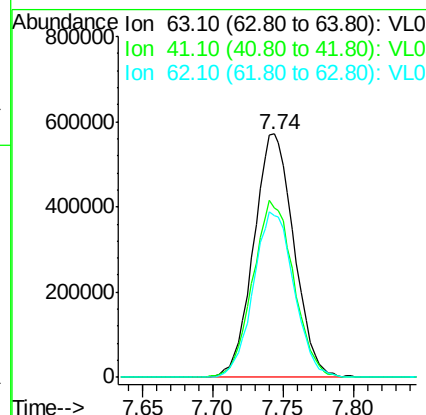
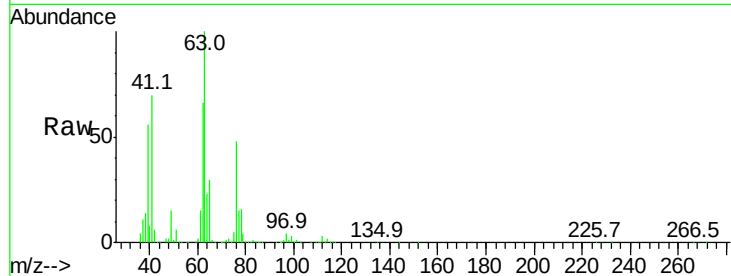




#39
 1,2-Dichloropropane
 Concen: 11.317 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

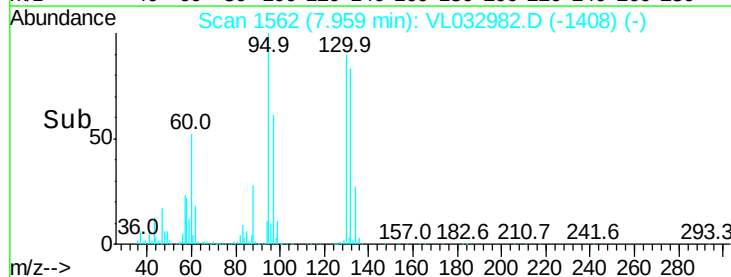
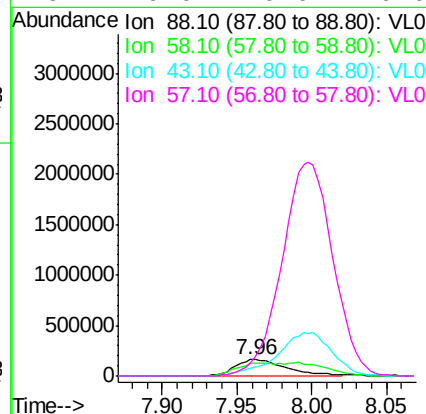
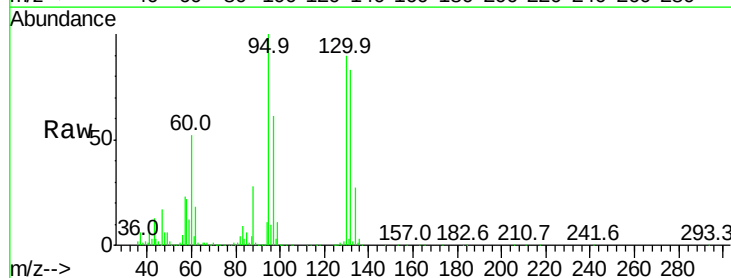
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

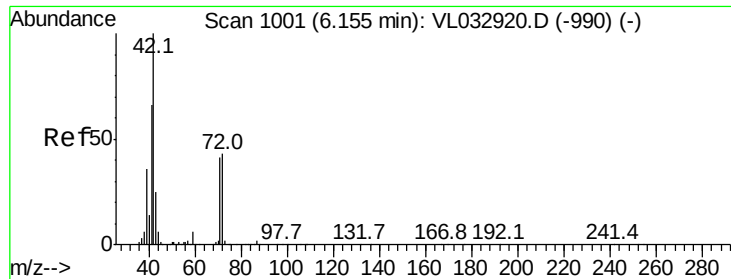
Tgt Ion: 63 Resp: 1137550
 Ion Ratio Lower Upper
 63 100
 41 69.7 63.9 95.9
 62 66.3 58.8 88.2



#40
 1,4-Dioxane
 Concen: 10.247 ppbv
 RT: 7.96 min Scan# 1562
 Delta R.T. -0.01 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 88 Resp: 379393
 Ion Ratio Lower Upper
 88 100
 58 0.0 107.4 161.2#
 43 0.0 0.0 0.0
 57 0.0 0.0 0.0



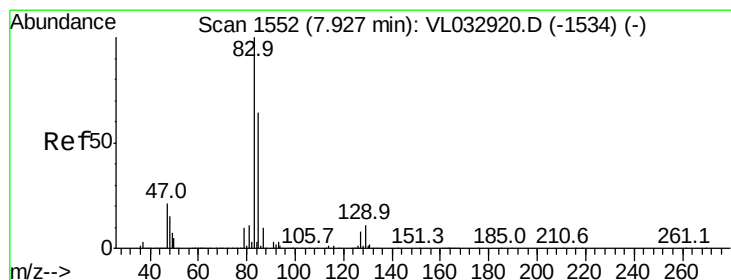
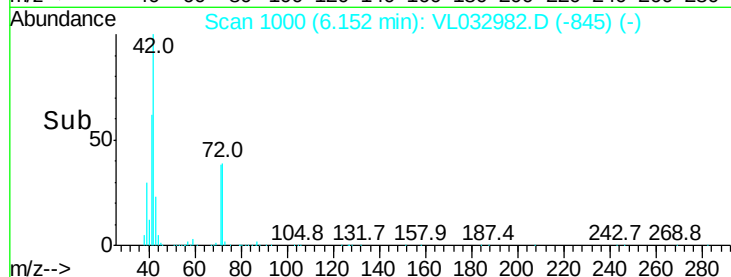
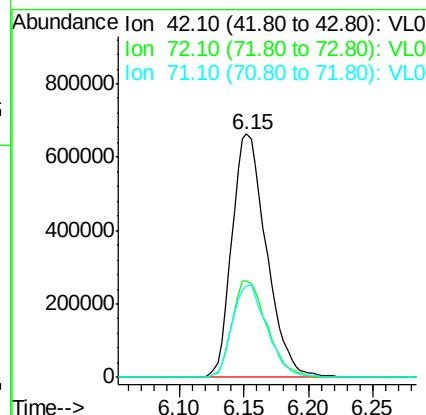
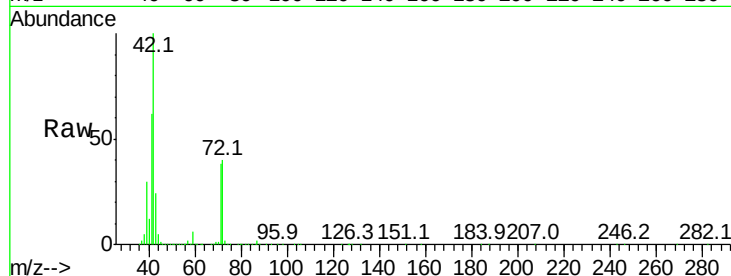


#41
Tetrahydrofuran
Concen: 12.624 ppbv
RT: 6.15 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 42 Resp: 1232268

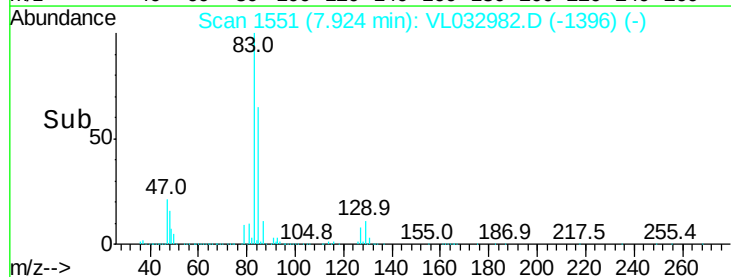
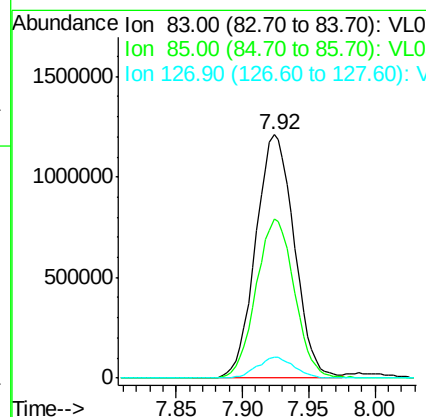
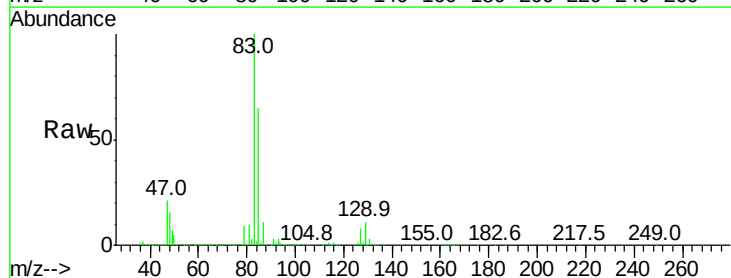
Ion	Ratio	Lower	Upper
42	100		
72	40.5	32.9	49.3
71	38.5	32.0	48.0

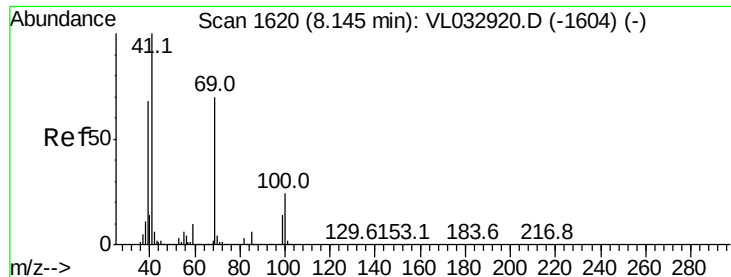


#42
Bromodichloromethane
Concen: 9.781 ppbv
RT: 7.92 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion: 83 Resp: 2445218

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3
127	8.5	6.7	10.1



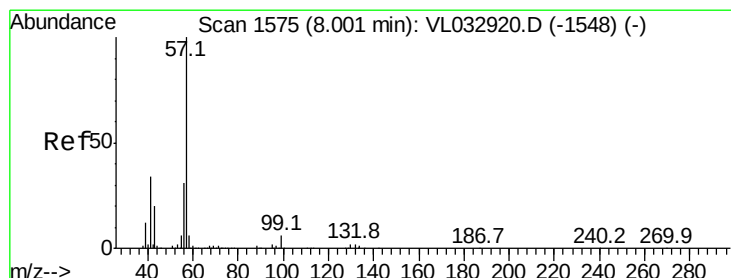
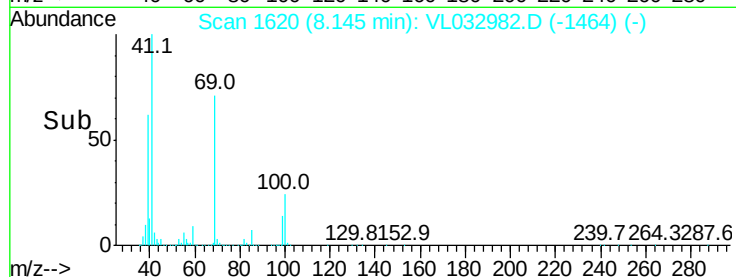
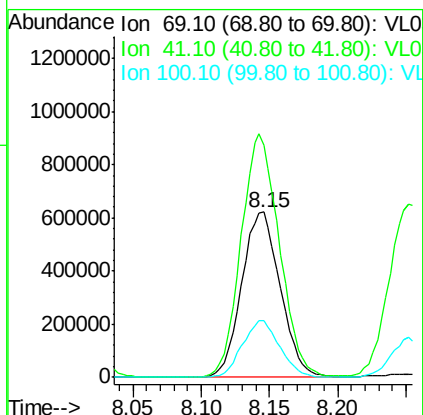
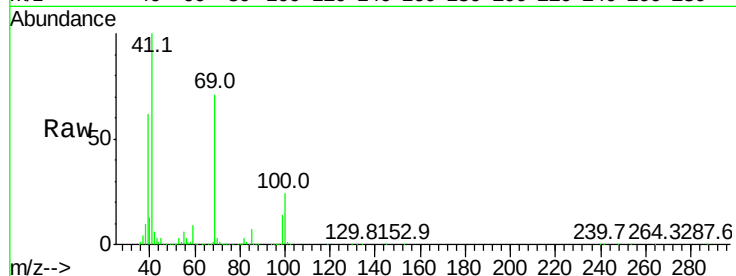


#43
Methyl Methacrylate
Concen: 12.451 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1222748

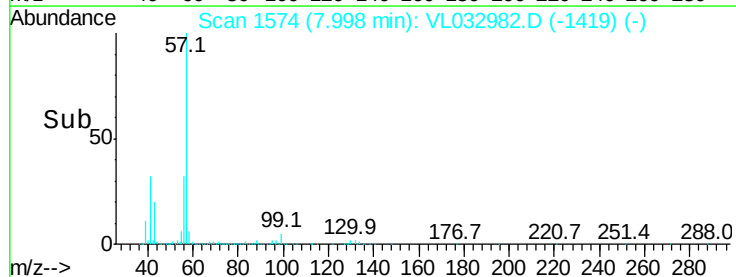
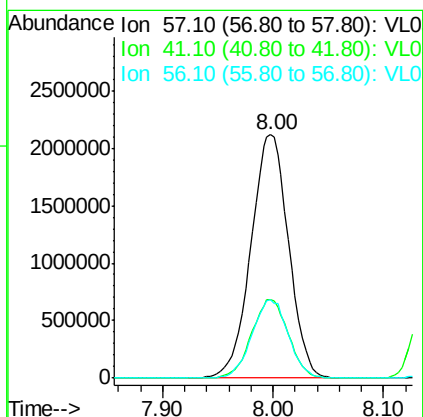
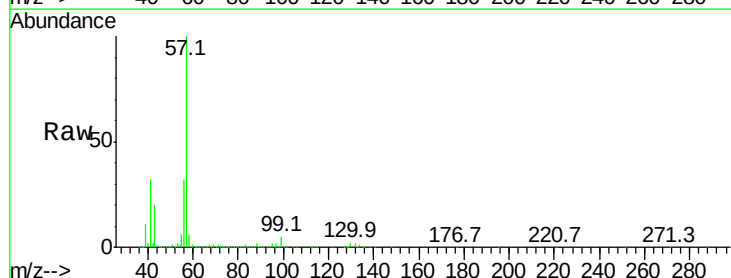
Ion	Ratio	Lower	Upper
69	100		
41	145.3	116.6	175.0
100	33.5	26.5	39.7

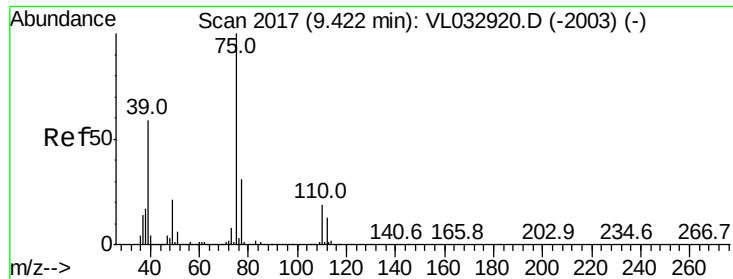


#44
2,2,4-Trimethylpentane
Concen: 11.144 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion: 57 Resp: 5013482

Ion	Ratio	Lower	Upper
57	100		
41	31.5	27.0	40.4
56	31.2	24.6	37.0

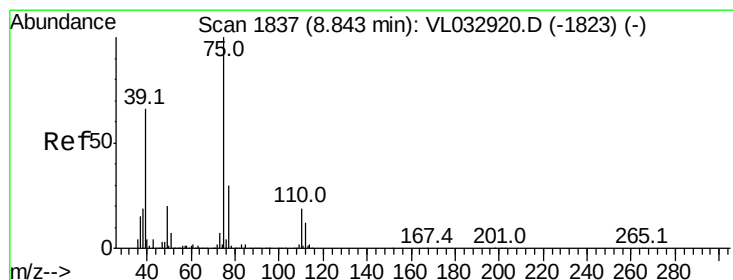
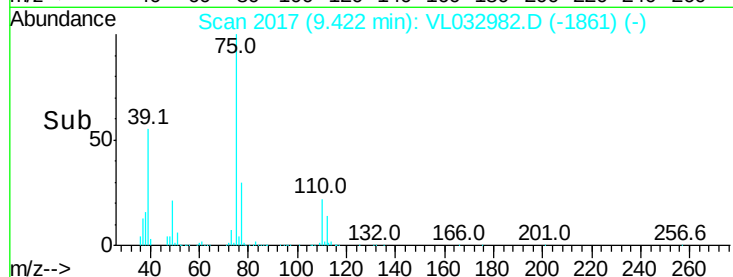
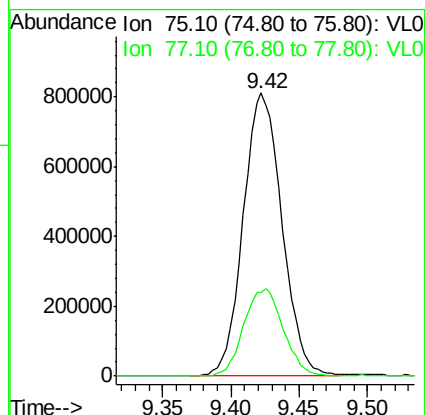
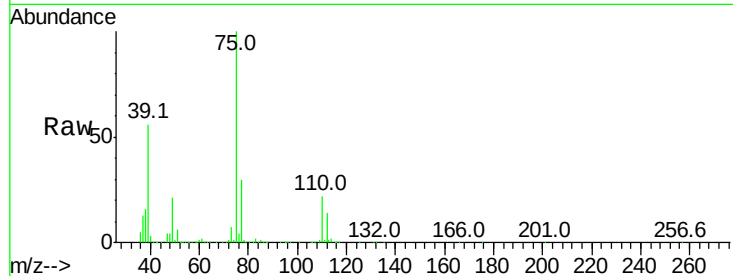




#45
 t-1,3-Dichloropropene
 Concen: 13.294 ppbv
 RT: 9.42 min Scan# 2017
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

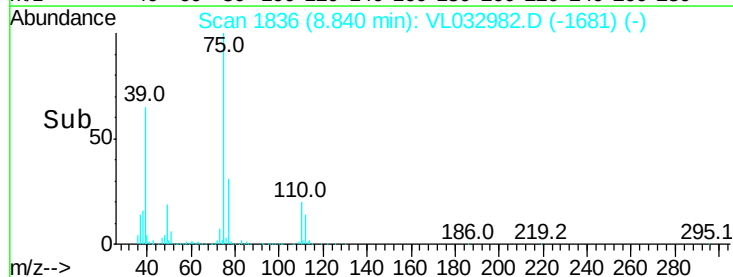
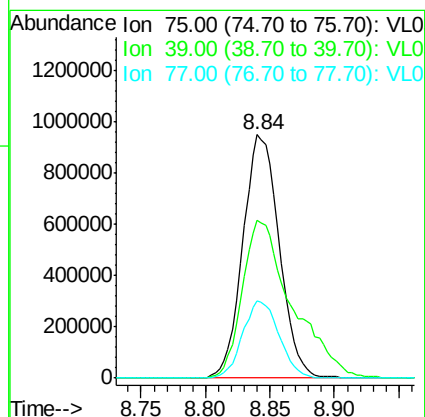
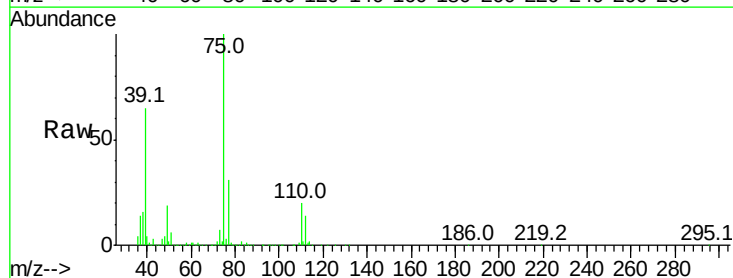
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

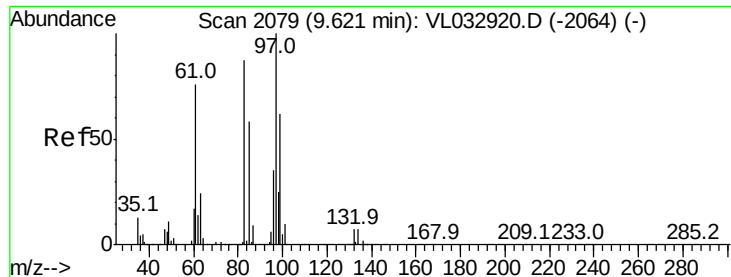
Tgt Ion: 75 Resp: 1600804
 Ion Ratio Lower Upper
 75 100
 77 29.7 24.8 37.2



#46
 cis-1,3-Dichloropropene
 Concen: 12.662 ppbv
 RT: 8.84 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 75 Resp: 1866121
 Ion Ratio Lower Upper
 75 100
 39 64.7 52.8 79.2
 77 31.5 24.3 36.5



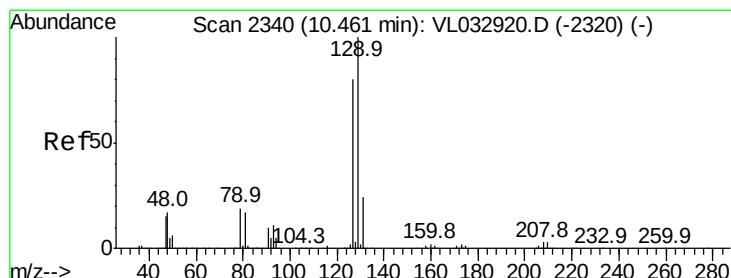
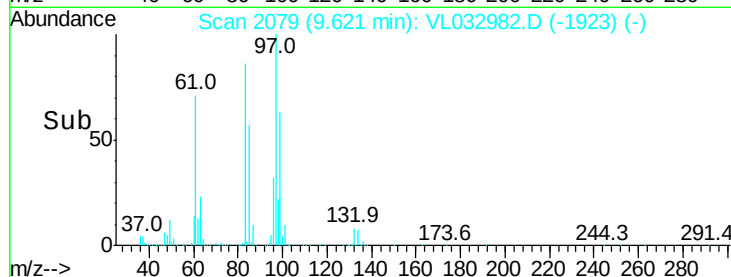
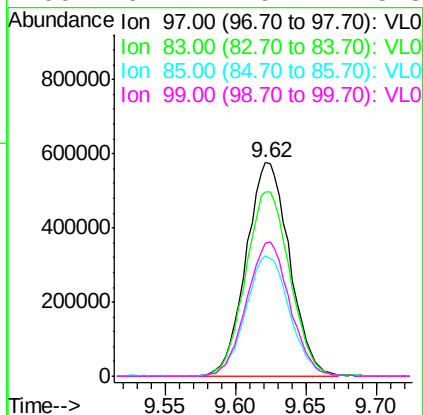
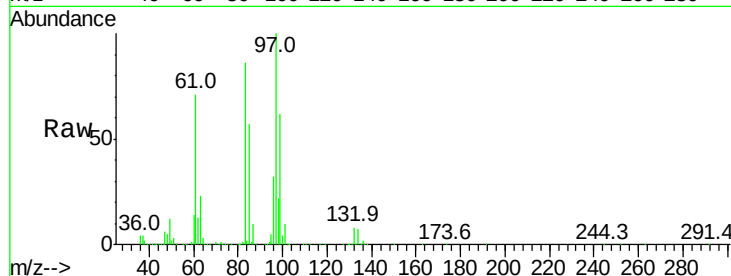


#47
 1,1,2-Trichloroethane
 Concen: 11.198 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 97 Resp: 1238845

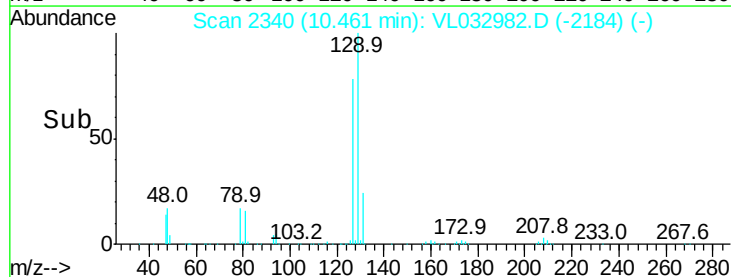
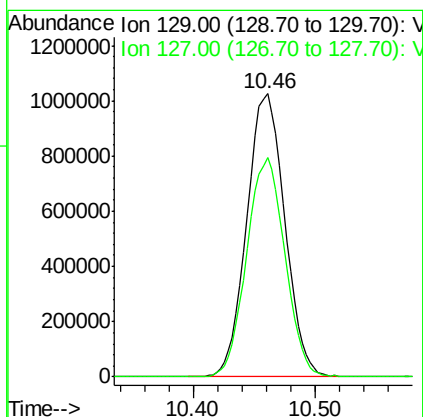
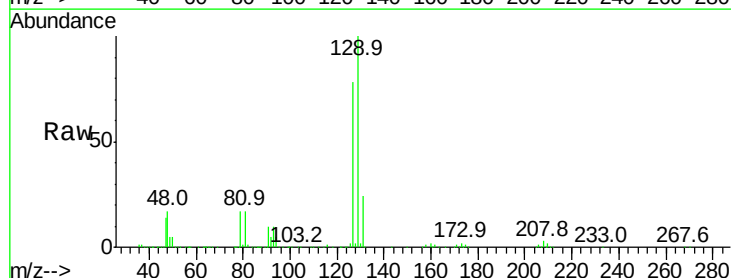
Ion	Ratio	Lower	Upper
97	100		
83	86.4	69.8	104.8
85	56.4	46.7	70.1
99	62.4	49.2	73.8

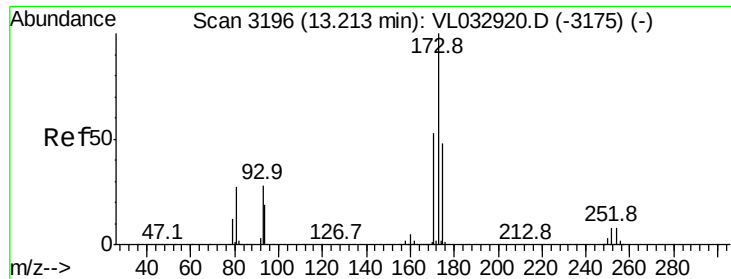


#48
 Dibromochloromethane
 Concen: 10.650 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 129 Resp: 2210411

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.8





#49

Bromoform

Concen: 10.689 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

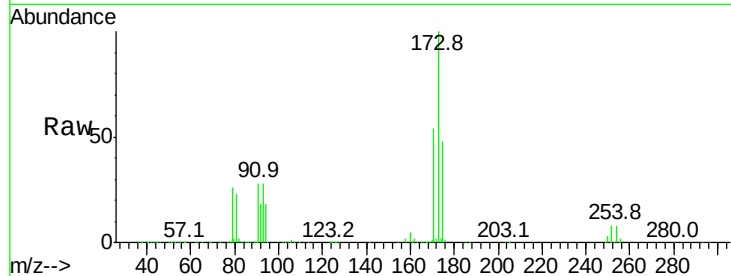
Tgt Ion:173 Resp: 1824692

Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.4

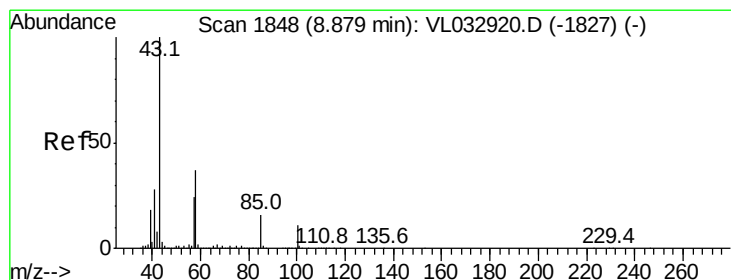
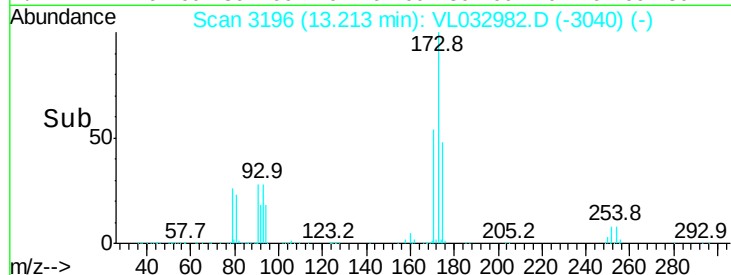
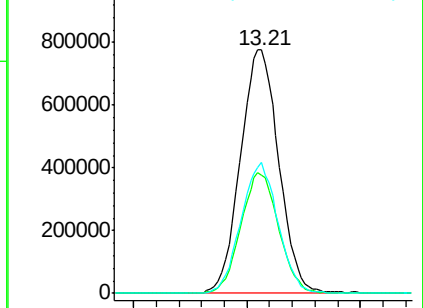
171 52.3 41.5 62.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.639 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032982.D

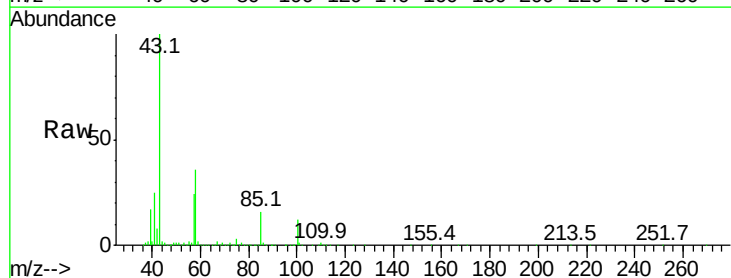
Acq: 12 Dec 2018 12:14

Tgt Ion: 43 Resp: 2921206

Ion Ratio Lower Upper

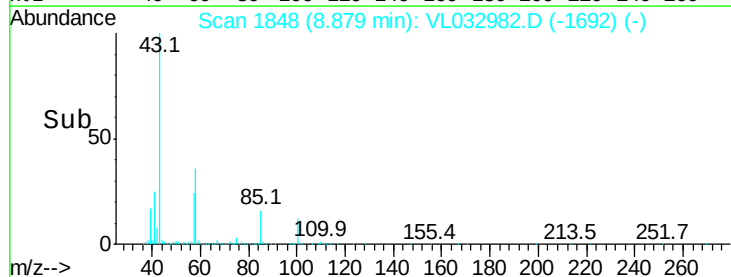
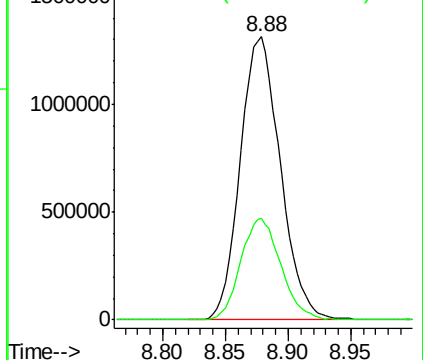
43 100

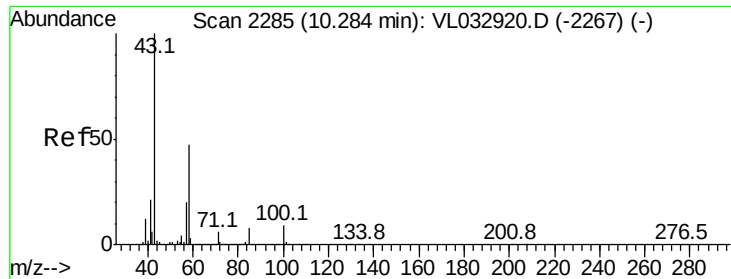
58 36.0 29.0 43.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

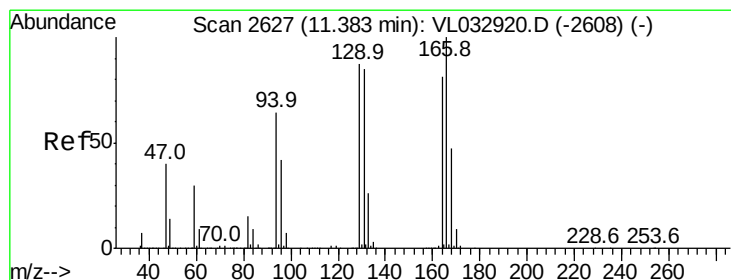
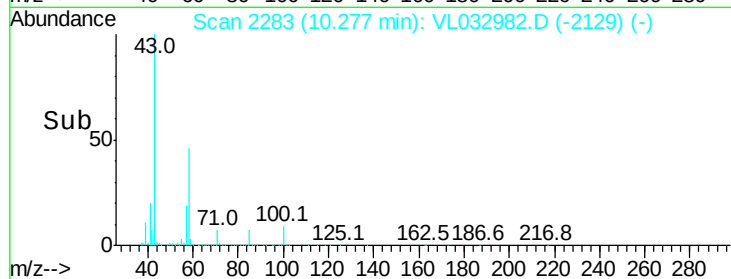
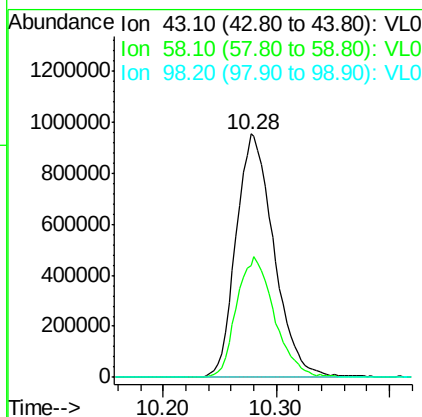
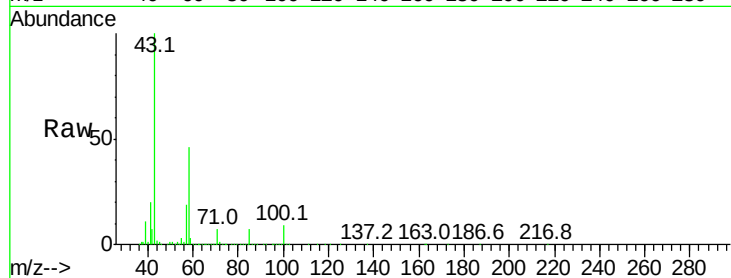




#51
2-Hexanone
Concen: 13.052 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

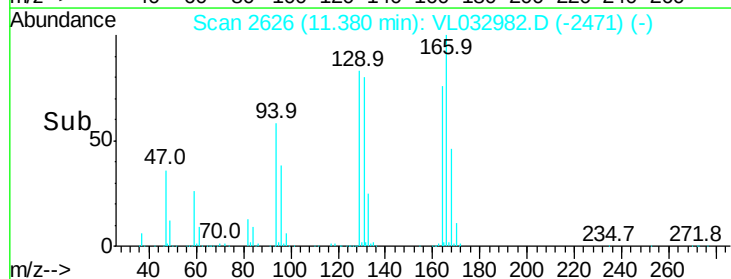
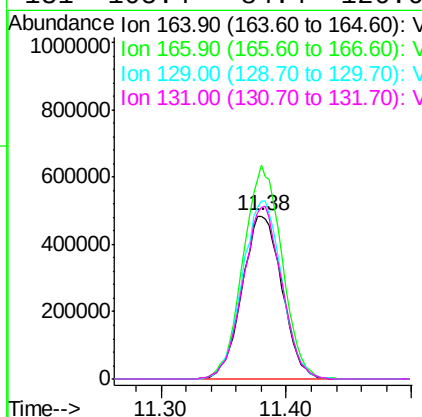
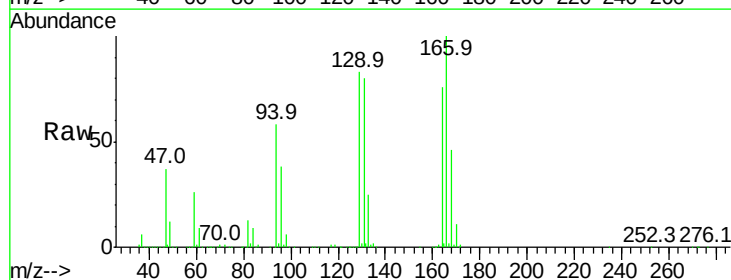
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

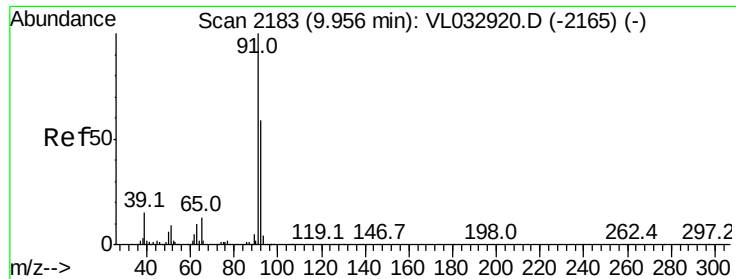
Tgt Ion: 43 Resp: 2221673
Ion Ratio Lower Upper
43 100
58 49.5 38.1 57.1
98 0.3 0.4 0.6#



#52
Tetrachloroethene
Concen: 11.092 ppbv
RT: 11.38 min Scan# 2626
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion: 164 Resp: 1069338
Ion Ratio Lower Upper
164 100
166 131.2 98.8 148.2
129 109.0 85.5 128.3
131 105.4 84.4 126.6





#53

Toluene

Concen: 12.347 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

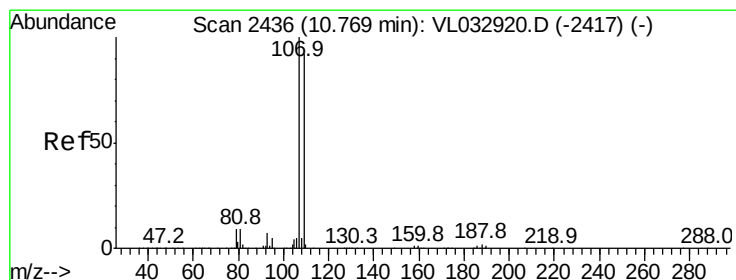
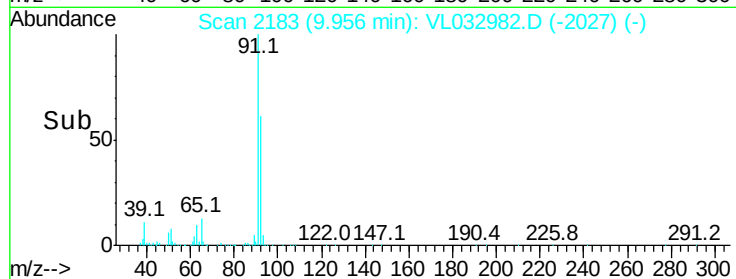
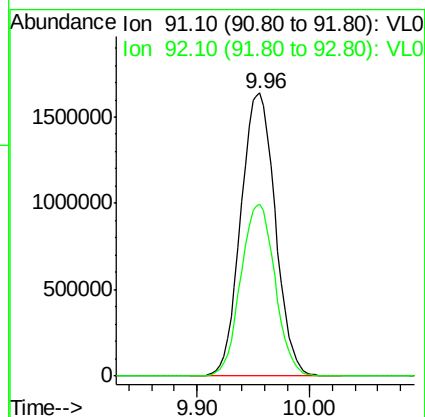
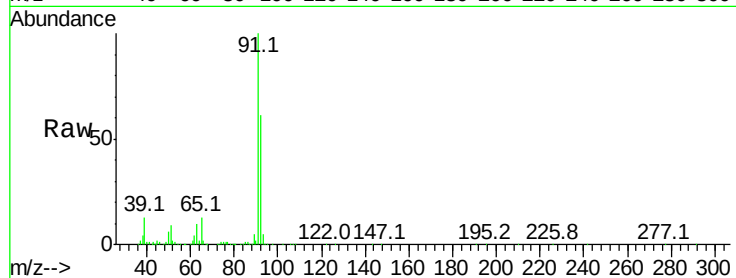
VSTDCCC010EC

Tgt Ion: 91 Resp: 3470695

Ion Ratio Lower Upper

91 100

92 60.4 47.4 71.0



#54

1,2-Dibromoethane

Concen: 11.172 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL032982.D

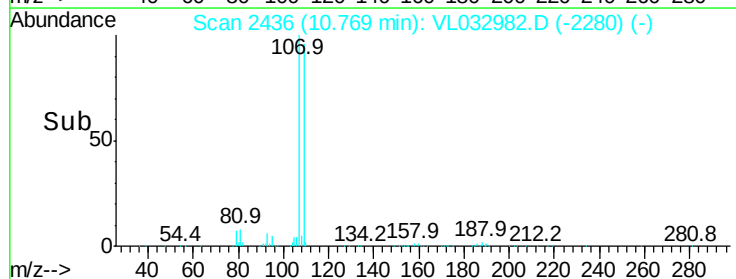
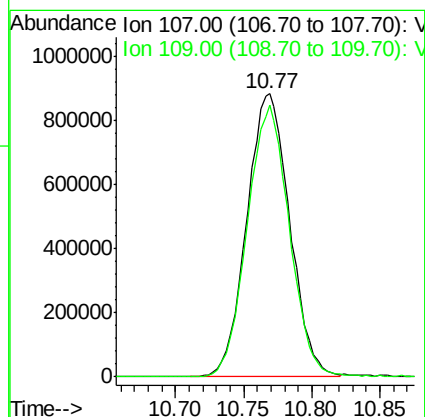
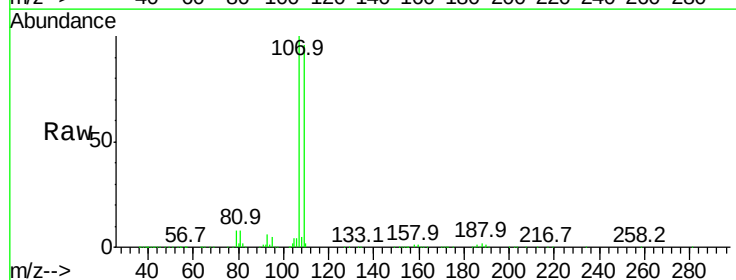
Acq: 12 Dec 2018 12:14

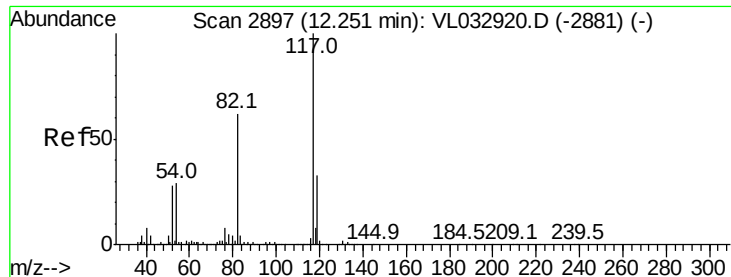
Tgt Ion: 107 Resp: 1930883

Ion Ratio Lower Upper

107 100

109 96.0 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

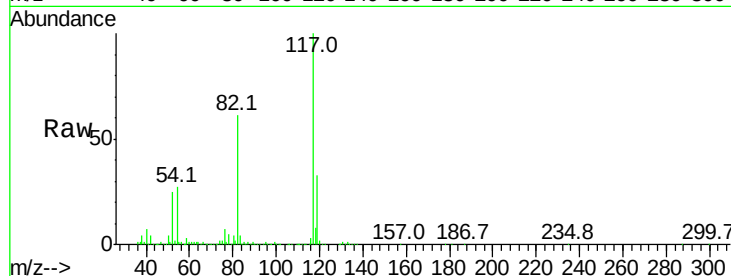
Tgt Ion:117 Resp: 4320586

Ion Ratio Lower Upper

117 100

82 49.1 47.8 71.8

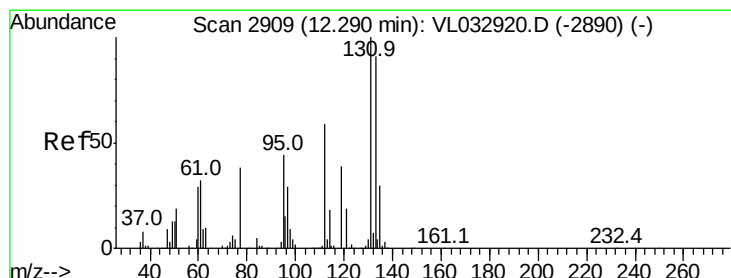
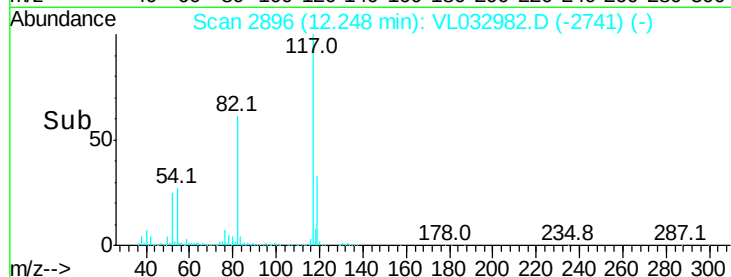
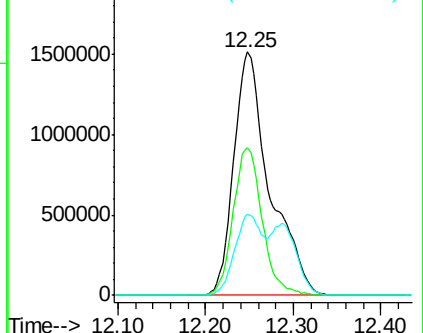
119 26.5 43.1 64.7#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 8.068 ppbv

RT: 12.29 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

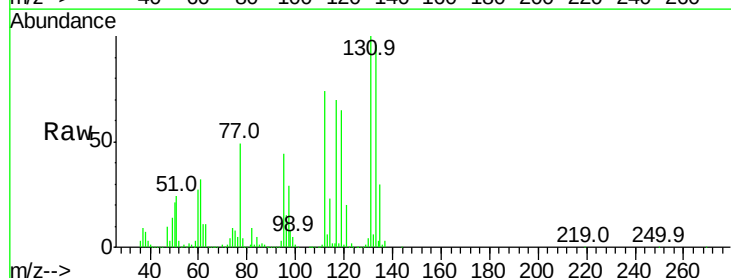
Tgt Ion:131 Resp: 1554091

Ion Ratio Lower Upper

131 100

133 95.4 75.1 112.7

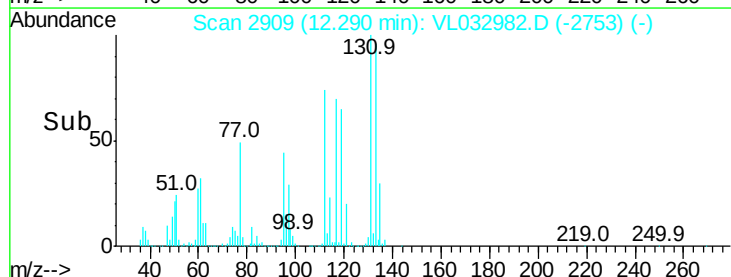
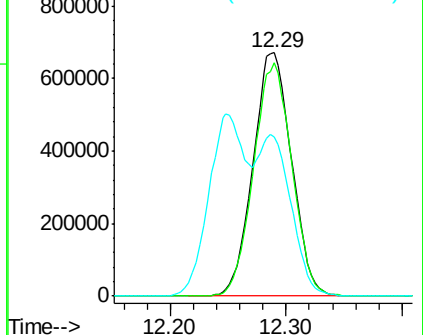
119 57.7 47.5 71.3

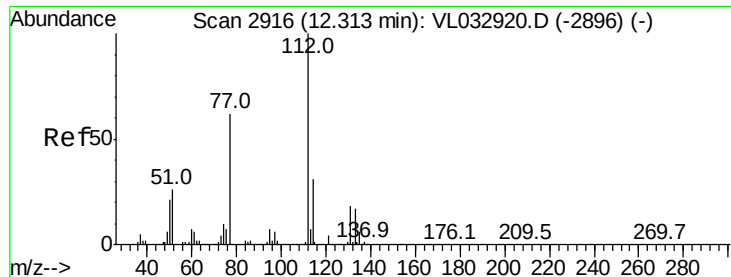


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 8.552 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

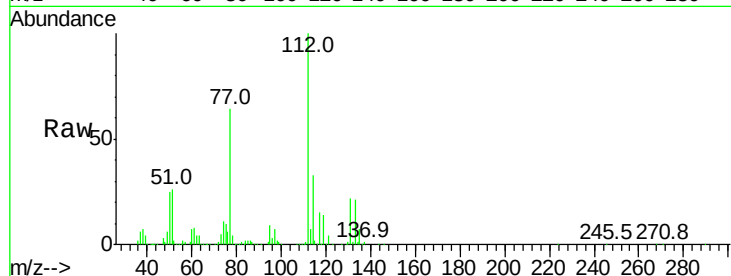
Tgt Ion:112 Resp: 2668640

Ion Ratio Lower Upper

112 100

77 64.0 51.1 76.7

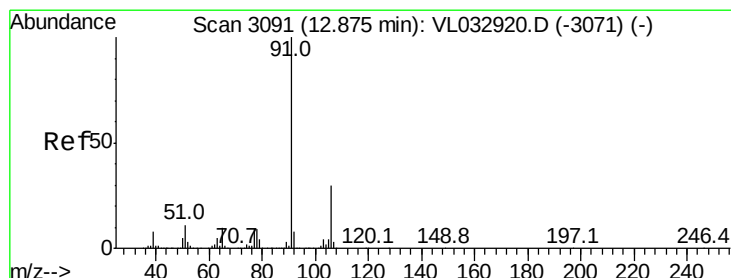
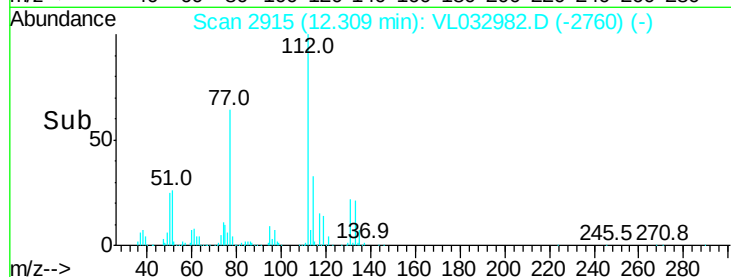
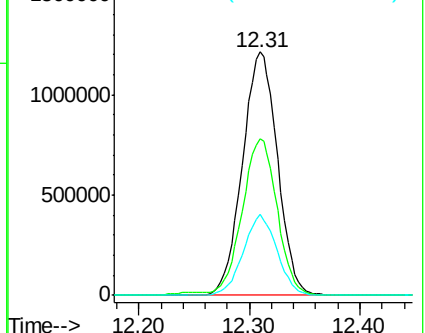
114 33.2 28.4 34.7



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: 10.085 ppbv

RT: 12.87 min Scan# 3090

Delta R.T. -0.00 min

Lab File: VL032982.D

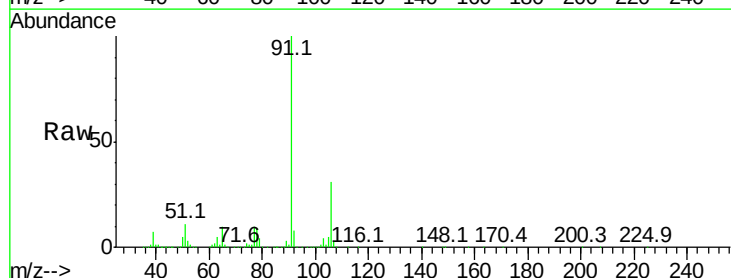
Acq: 12 Dec 2018 12:14

Tgt Ion: 91 Resp: 4648103

Ion Ratio Lower Upper

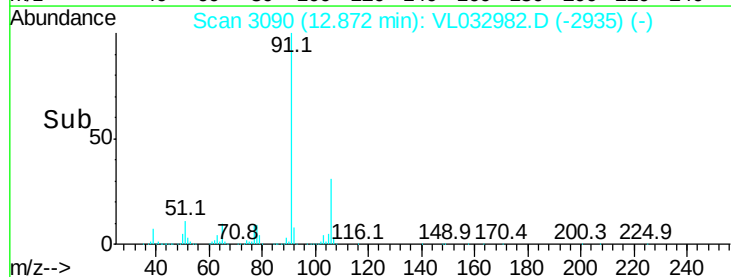
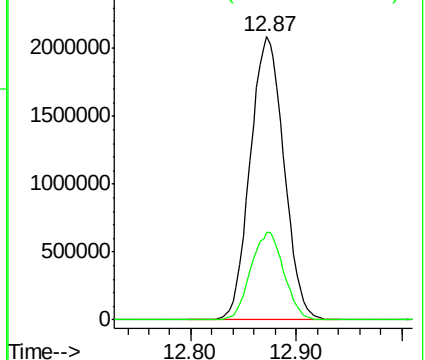
91 100

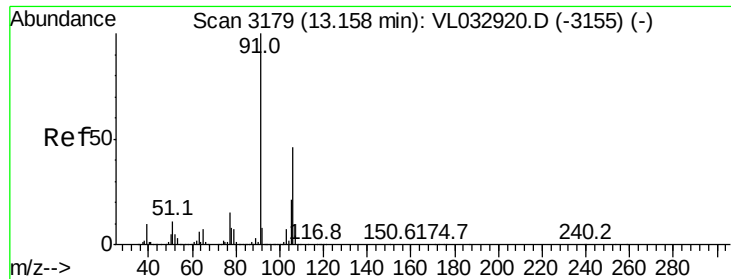
106 30.8 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

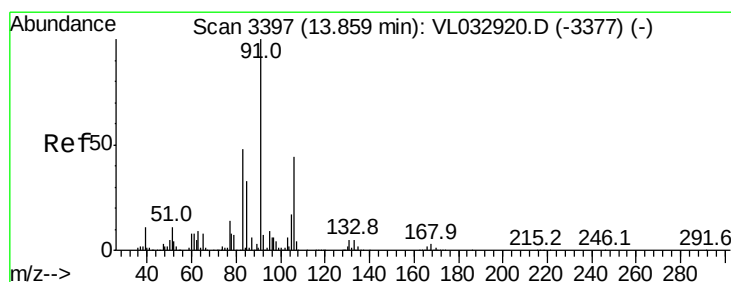
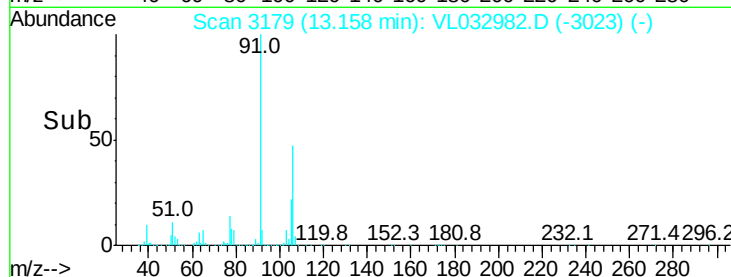
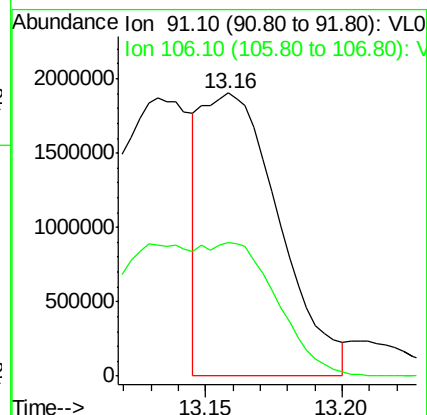
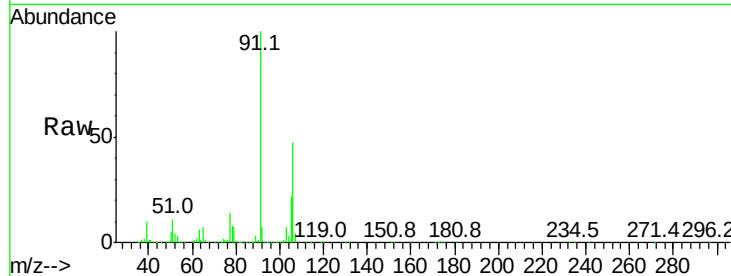




#59
m/p-Xylene
Concen: 8.948 ppbv
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

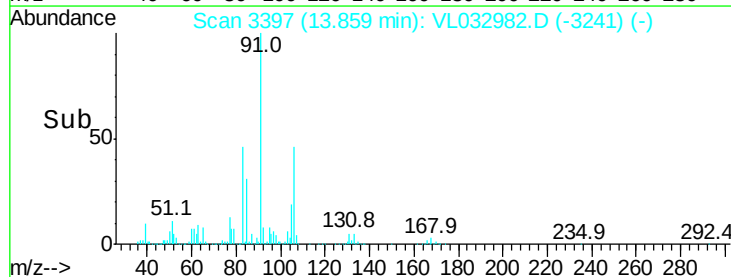
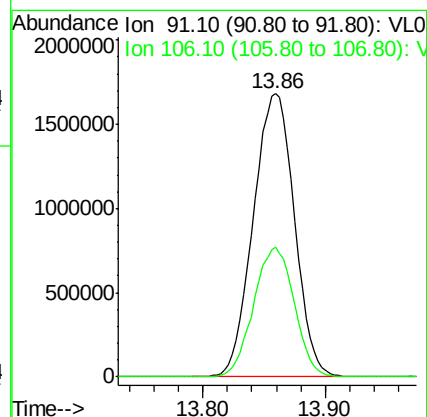
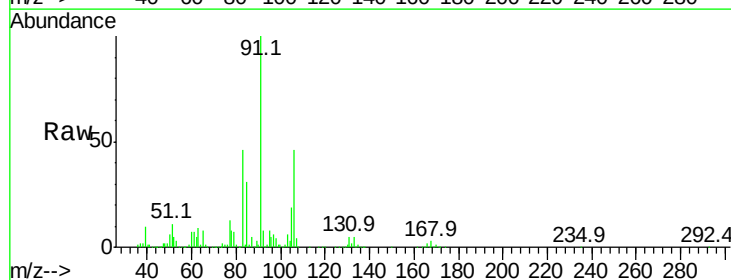
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

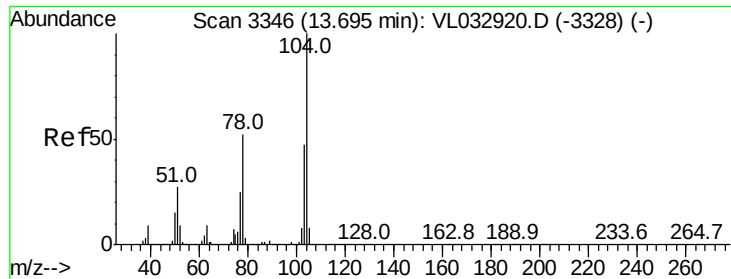
Tgt Ion: 91 Resp: 3739296
Ion Ratio Lower Upper
91 100
106 95.8 0.0 0.0#



#60
o-Xylene
Concen: 9.292 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion: 91 Resp: 3921049
Ion Ratio Lower Upper
91 100
106 45.3 21.9 65.8





#61

Styrene

Concen: 10.349 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

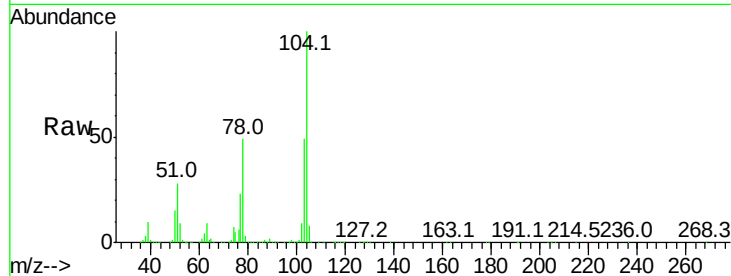
Tgt Ion:104 Resp: 2905053

Ion Ratio Lower Upper

104 100

78 49.6 42.0 63.0

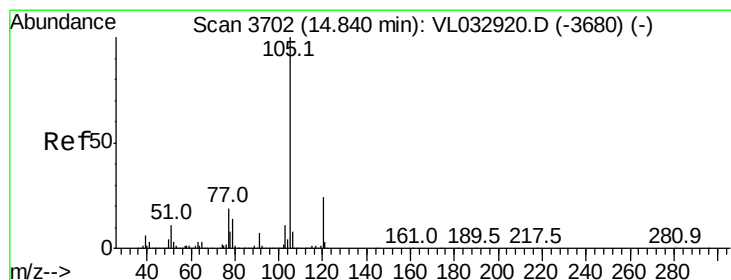
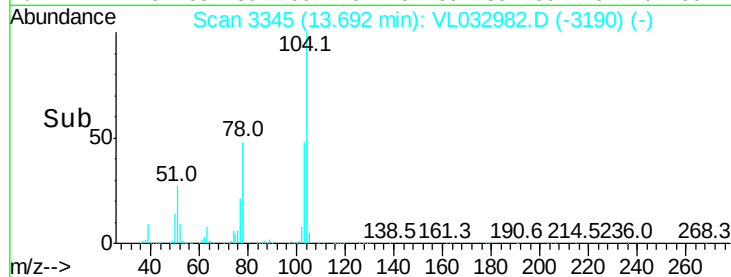
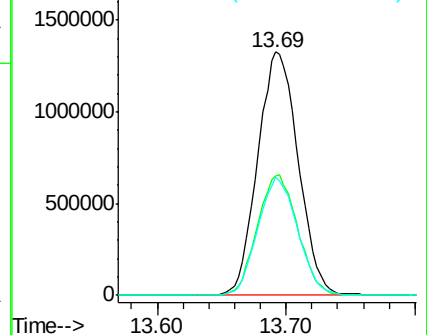
103 47.7 38.3 57.5



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.677 ppbv

RT: 14.84 min Scan# 3701

Delta R.T. -0.00 min

Lab File: VL032982.D

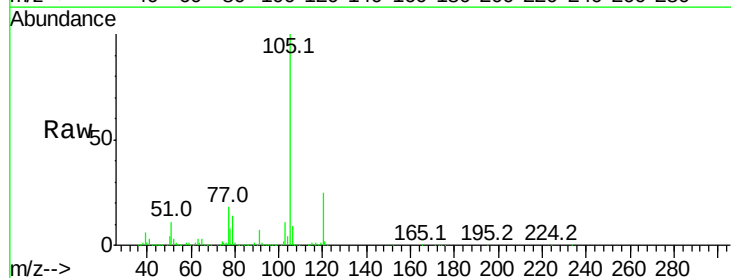
Acq: 12 Dec 2018 12:14

Tgt Ion:105 Resp: 5697330

Ion Ratio Lower Upper

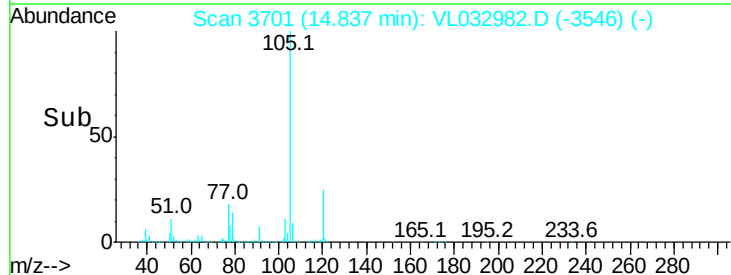
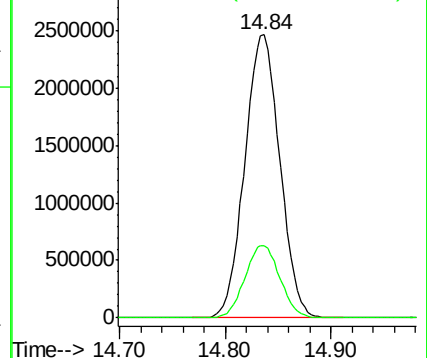
105 100

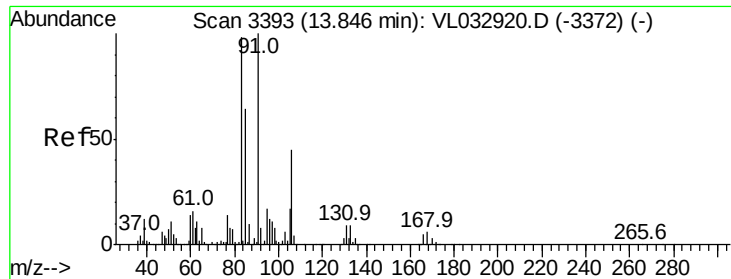
120 25.6 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

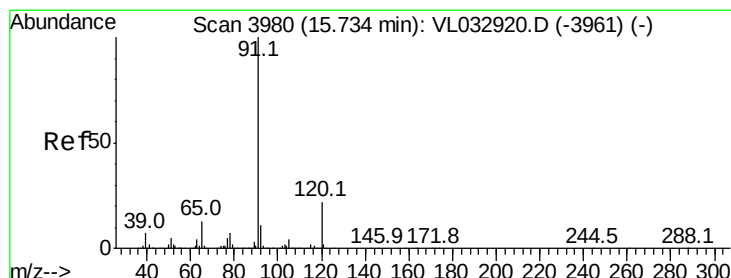
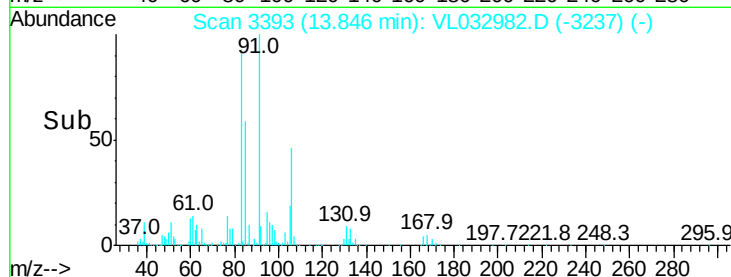
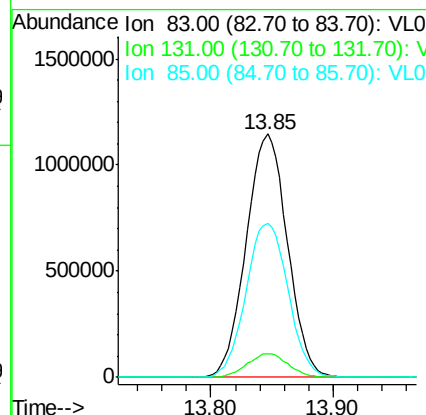
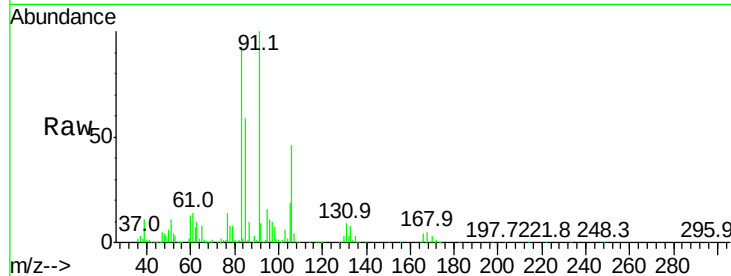




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.170 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

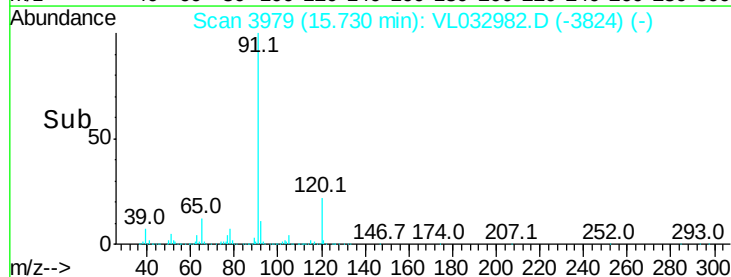
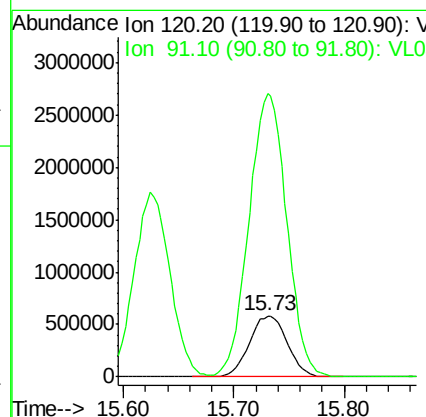
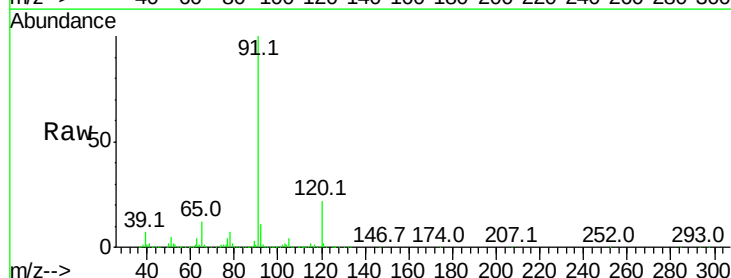
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

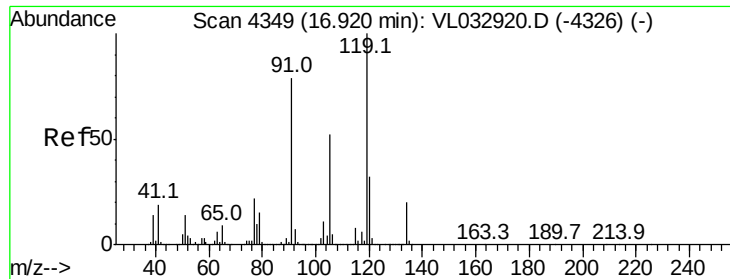
Tgt Ion: 83 Resp: 2677154
 Ion Ratio Lower Upper
 83 100
 131 9.8 4.9 14.6
 85 65.0 32.9 98.6



#64
 n-propylbenzene
 Concen: 9.087 ppbv
 RT: 15.73 min Scan# 3979
 Delta R.T. -0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 120 Resp: 1389635
 Ion Ratio Lower Upper
 120 100
 91 462.2 380.4 570.6

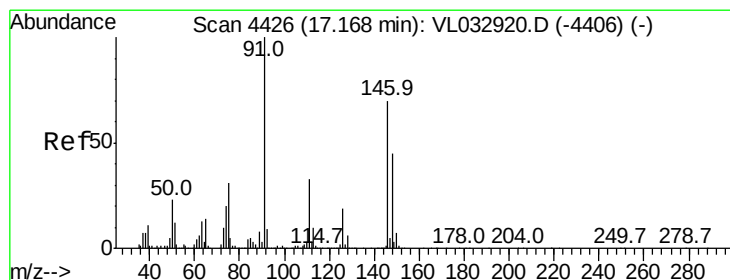
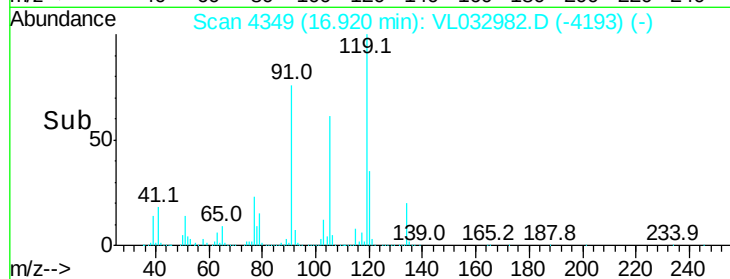
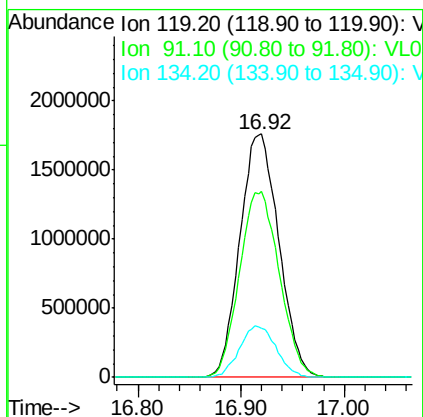
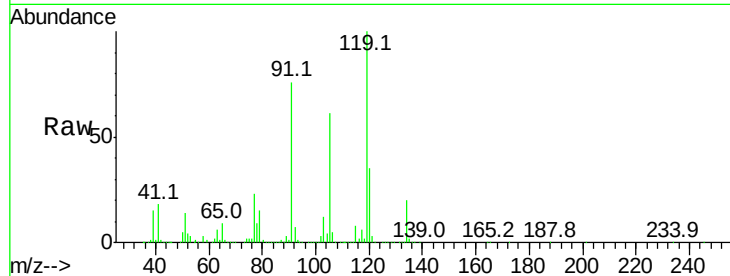




#65
 tert-Butylbenzene
 Concen: 8.481 ppbv
 RT: 16.92 min Scan# 4349
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

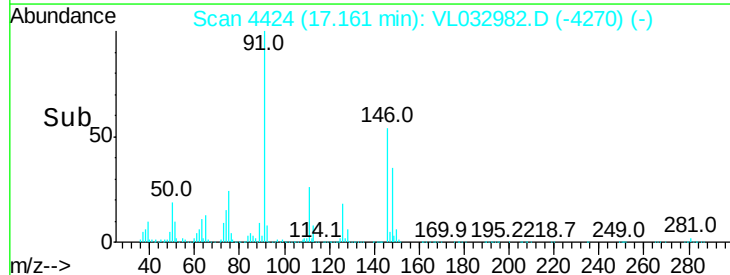
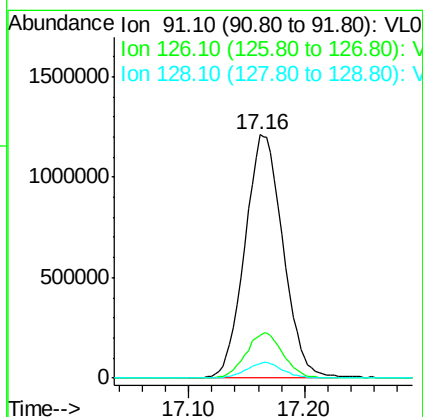
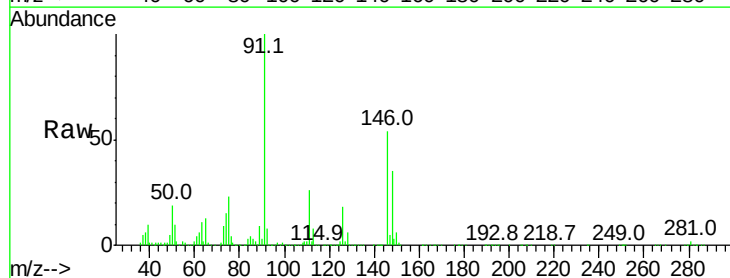
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

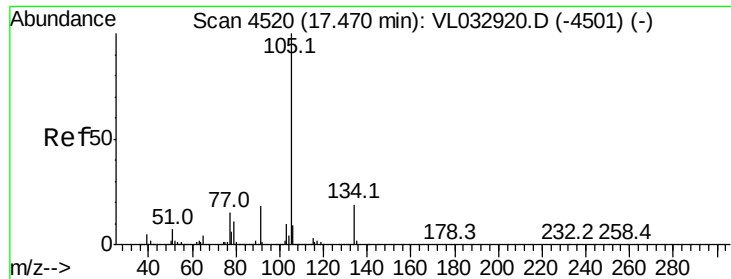
Tgt Ion: 119 Resp: 4628881
 Ion Ratio Lower Upper
 119 100
 91 78.0 64.5 96.7
 134 20.0 15.7 23.5



#66
 Benzyl Chloride
 Concen: 9.150 ppbv
 RT: 17.16 min Scan# 4424
 Delta R.T. -0.01 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 91 Resp: 2768221
 Ion Ratio Lower Upper
 91 100
 126 18.3 14.1 21.1
 128 6.0 4.5 6.7





#67

sec-Butylbenzene

Concen: 8.192 ppbv

RT: 17.47 min Scan# 4519

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

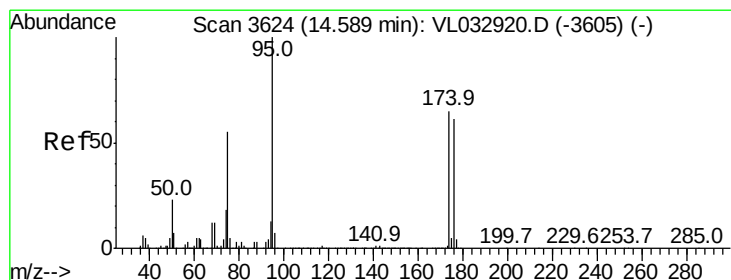
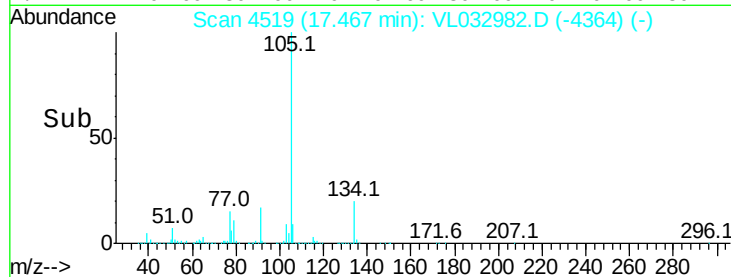
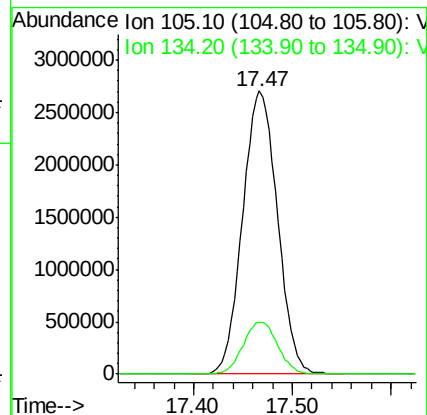
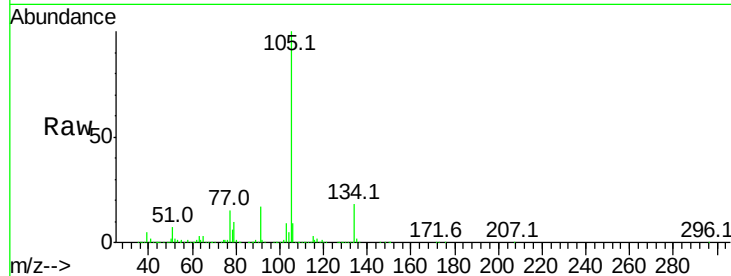
VSTDCCC010EC

Tgt Ion:105 Resp: 6592346

Ion Ratio Lower Upper

105 100

134 18.4 14.6 21.8



#68

1-Bromo-4-Fluorobenzene

Concen: 7.691 ppbv

RT: 14.59 min Scan# 3623

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

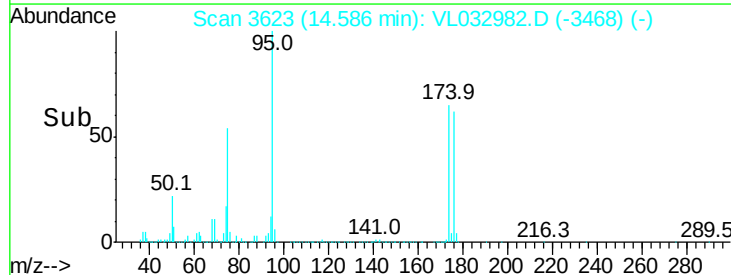
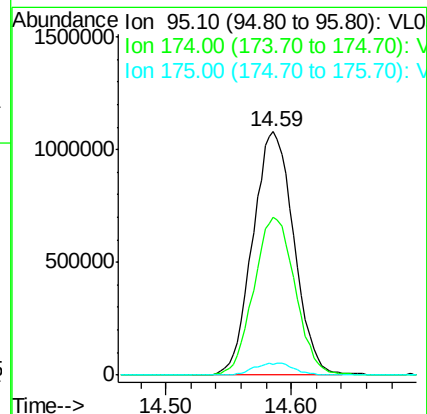
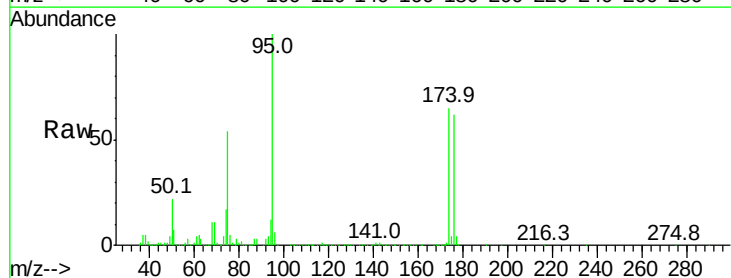
Tgt Ion: 95 Resp: 2455091

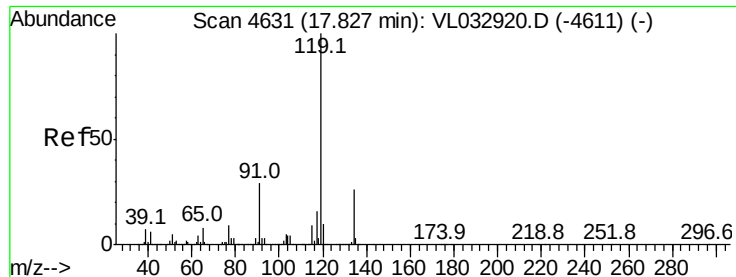
Ion Ratio Lower Upper

95 100

174 65.8 51.4 77.0

175 4.9 3.8 5.6

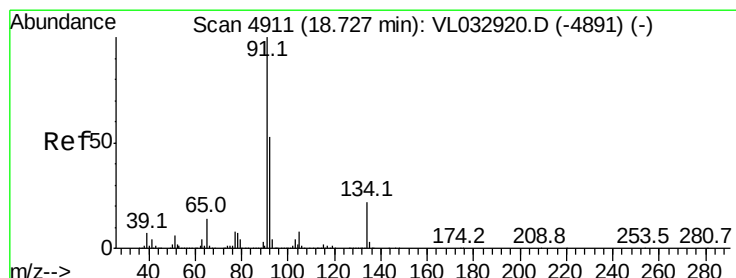
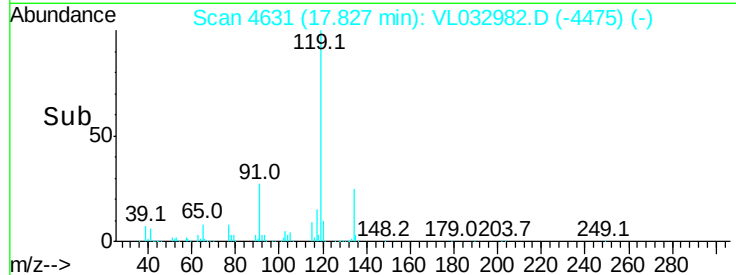
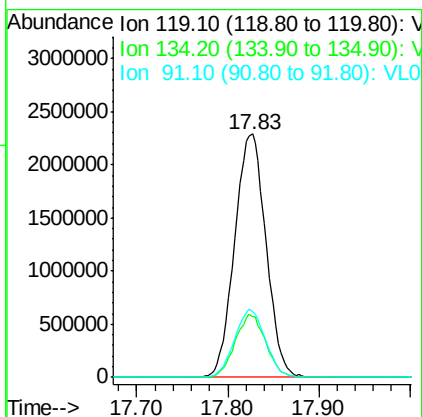
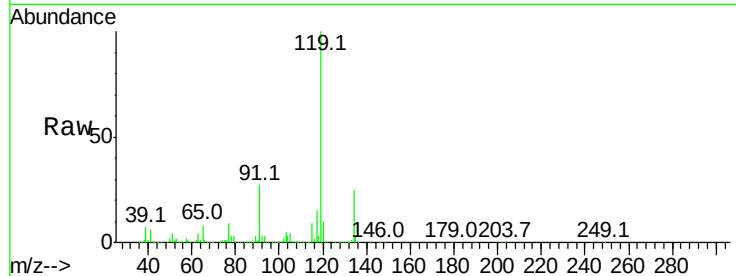




#69
 p-Isopropyltoluene
 Concen: 8.382 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

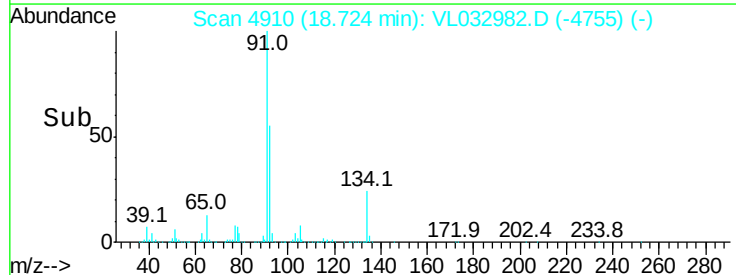
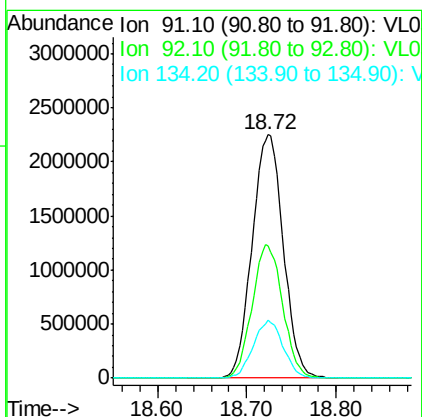
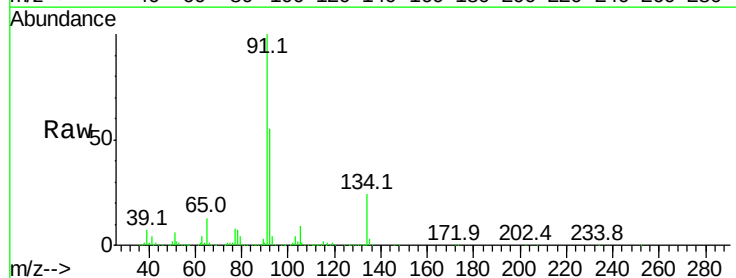
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

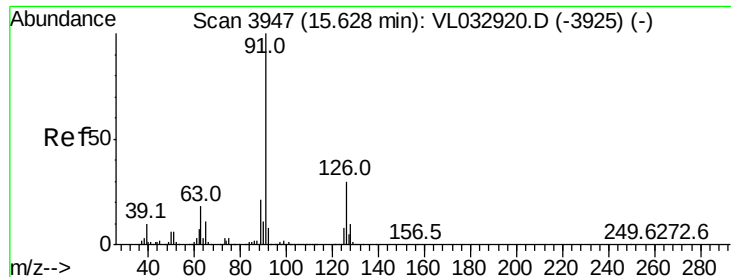
Tgt Ion: 119 Resp: 5466740
 Ion Ratio Lower Upper
 119 100
 134 25.2 20.2 30.2
 91 27.5 22.9 34.3



#70
 n-Butylbenzene
 Concen: 9.093 ppbv
 RT: 18.72 min Scan# 4910
 Delta R.T. -0.00 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Tgt Ion: 91 Resp: 5455960
 Ion Ratio Lower Upper
 91 100
 92 53.9 42.7 64.1
 134 22.8 18.0 27.0





#71

2-Chlorotoluene

Concen: 9.096 ppbv

RT: 15.62 min Scan# 3946

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

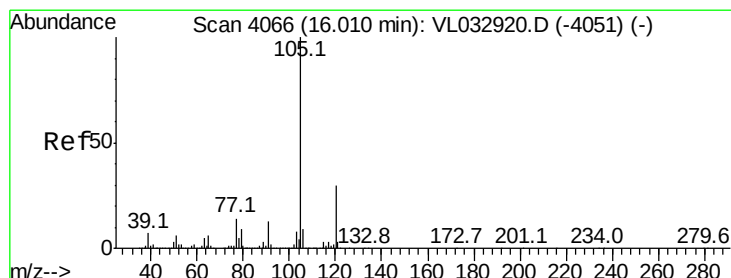
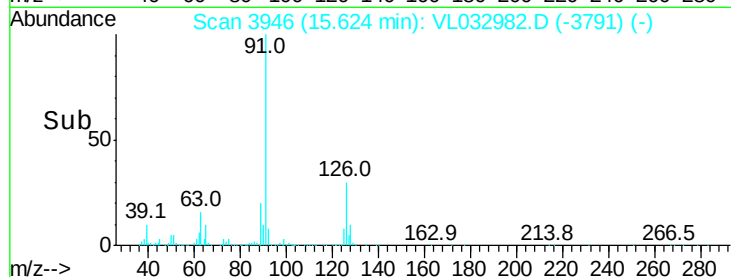
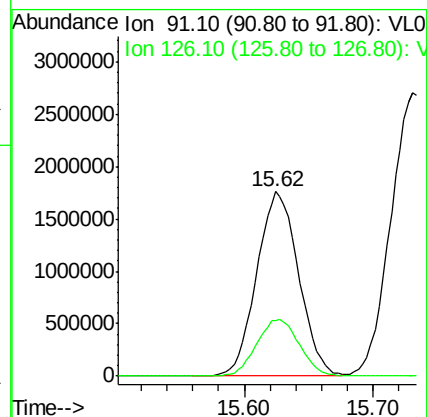
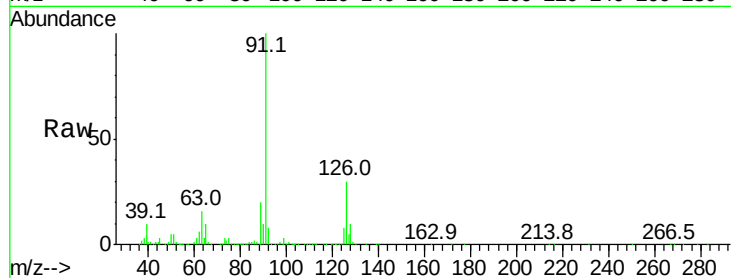
VSTDCCC010EC

Tgt Ion: 91 Resp: 3982436

Ion Ratio Lower Upper

91 100

126 31.5 12.3 49.3



#72

4-Ethyltoluene

Concen: 9.349 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Tgt Ion: 105 Resp: 4404746

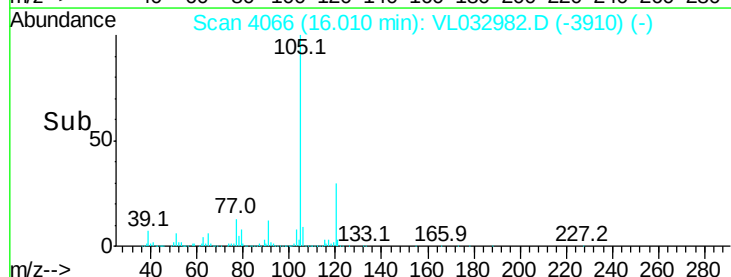
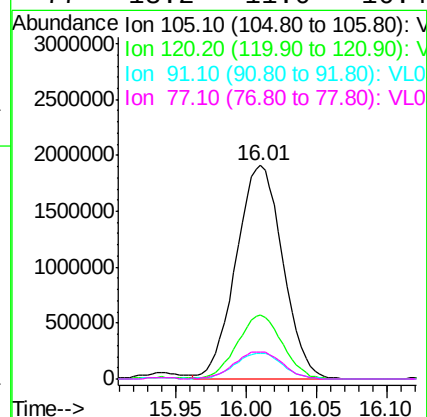
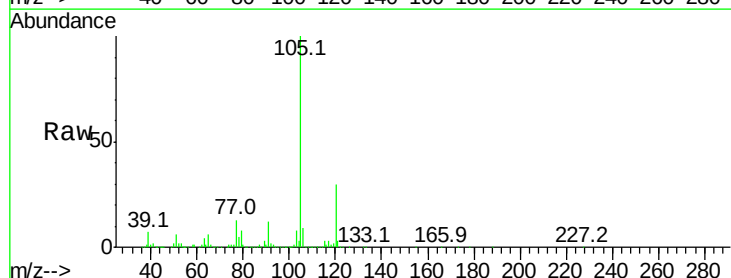
Ion Ratio Lower Upper

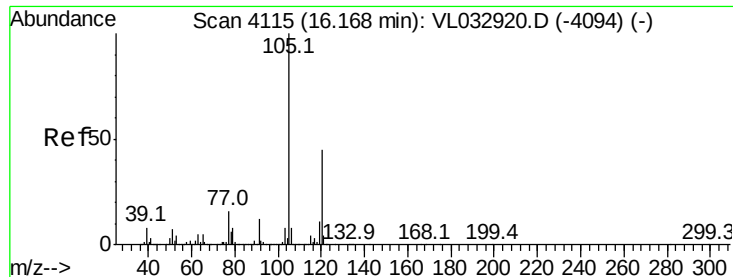
105 100

120 29.4 23.0 34.4

91 12.4 10.4 15.6

77 13.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 9.000 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

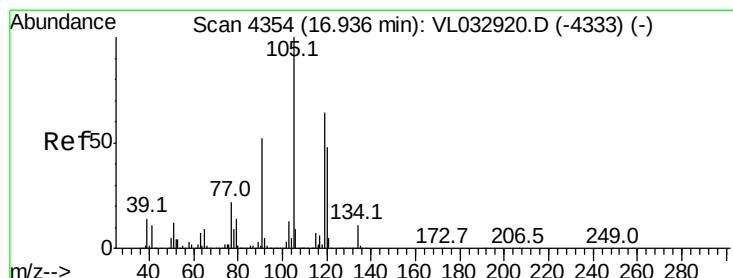
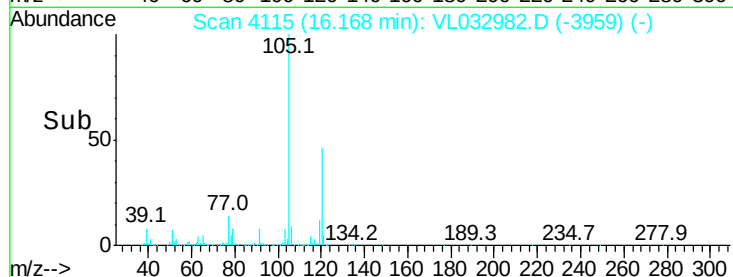
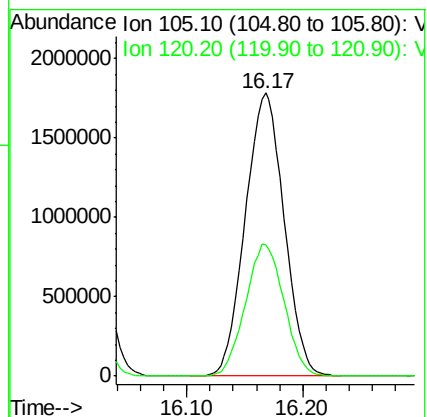
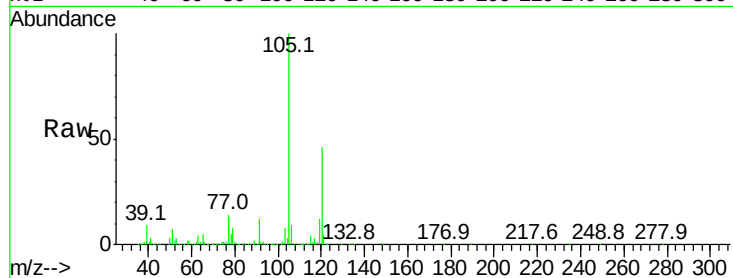
VSTDCCC010EC

Tgt Ion:105 Resp: 4139408

Ion Ratio Lower Upper

105 100

120 46.3 36.0 54.0



#74

1,2,4-Trimethylbenzene

Concen: 8.045 ppbv

RT: 16.94 min Scan# 4354

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Tgt Ion:105 Resp: 4178053

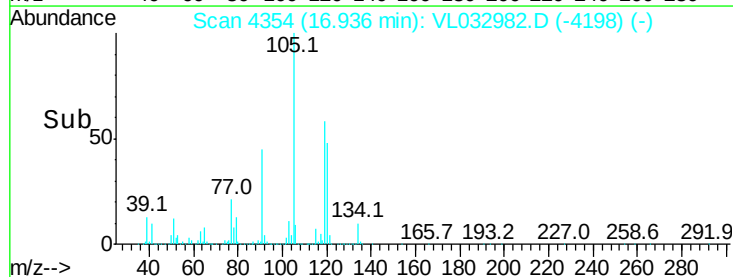
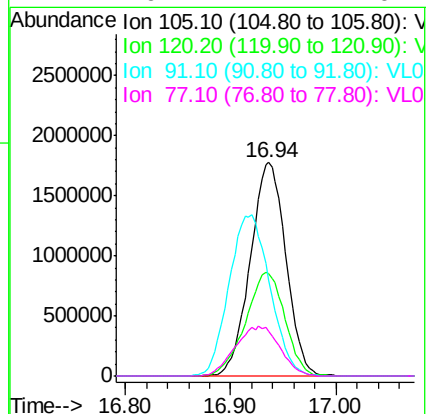
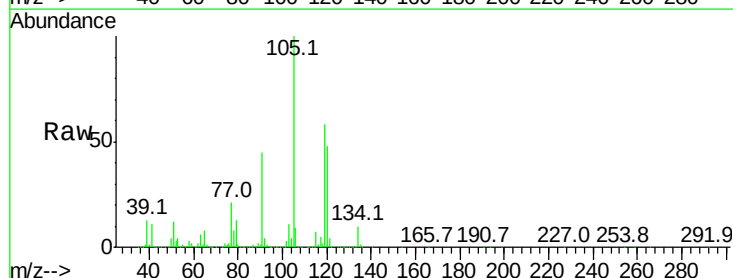
Ion Ratio Lower Upper

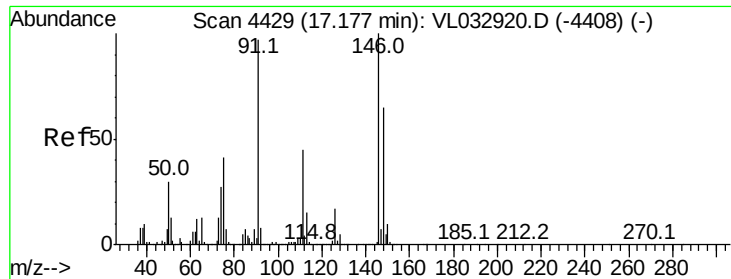
105 100

120 47.7 38.6 58.0

91 44.6 41.7 62.5

77 20.7 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 7.675 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

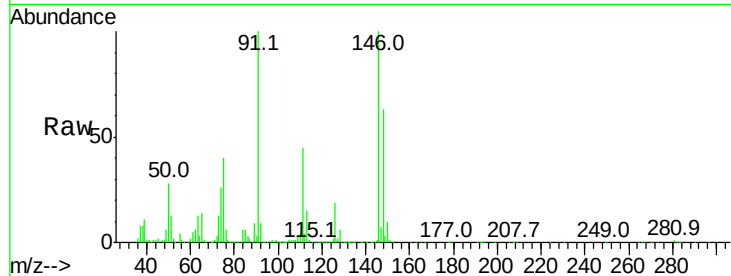
Tgt Ion:146 Resp: 2347201

Ion Ratio Lower Upper

146 100

111 46.1 23.6 70.8

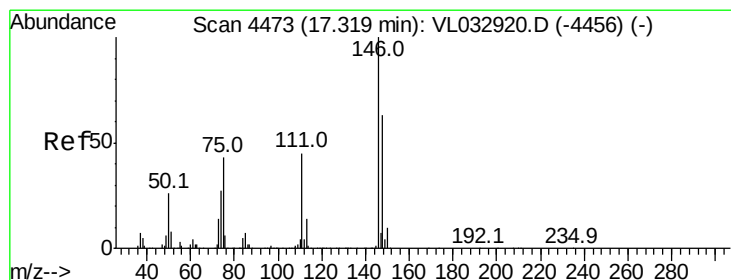
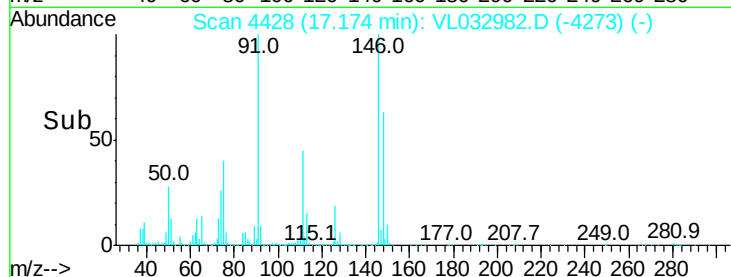
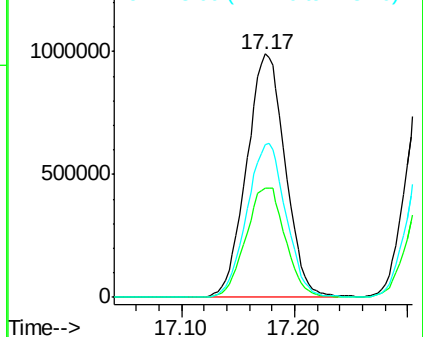
148 64.0 32.1 96.3



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



#76

1,4-Dichlorobenzene

Concen: 8.235 ppbv

RT: 17.32 min Scan# 4472

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

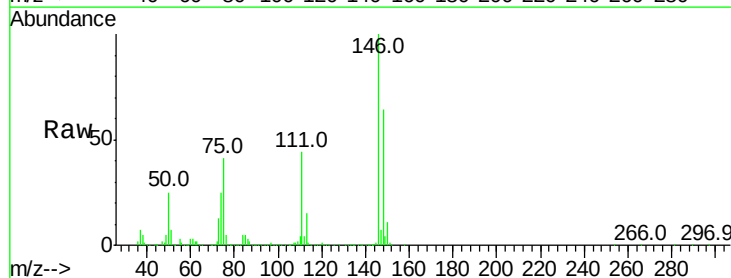
Tgt Ion:146 Resp: 2350054

Ion Ratio Lower Upper

146 100

111 44.8 22.8 68.4

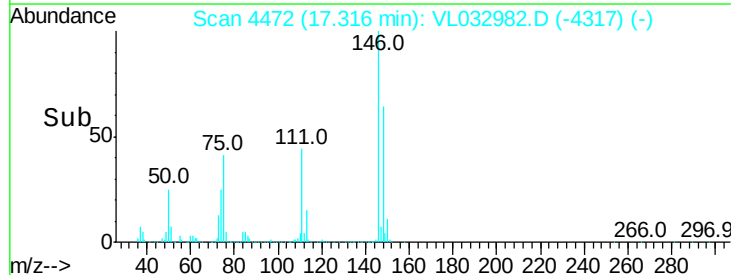
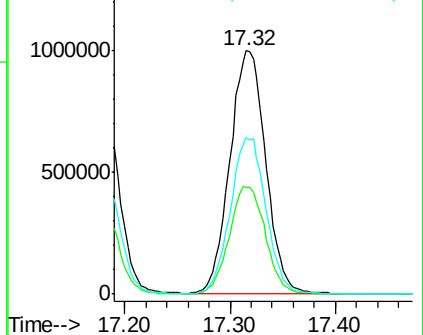
148 64.2 32.0 96.2

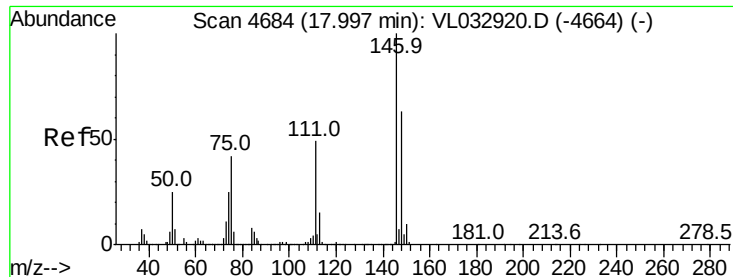


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.063 ppbv

RT: 18.00 min Scan# 4684

Delta R.T. 0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

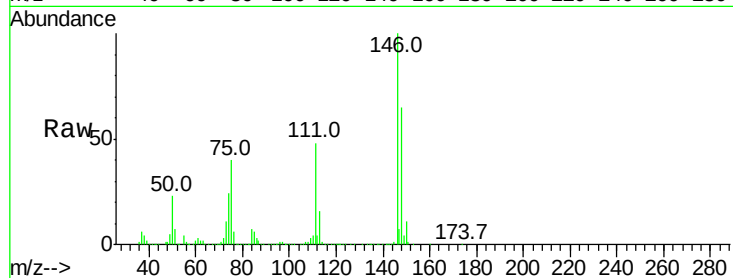
Tgt Ion:146 Resp: 2302780

Ion Ratio Lower Upper

146 100

111 47.5 24.3 72.9

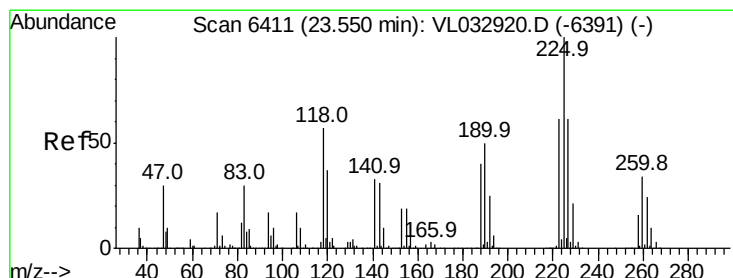
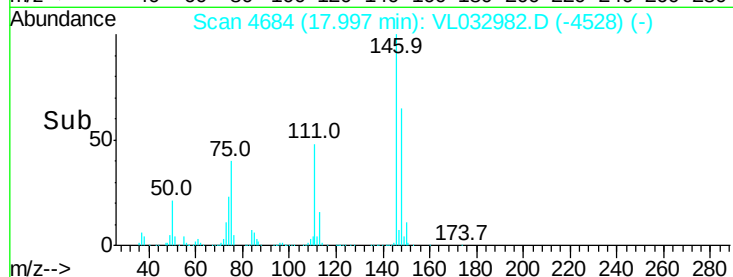
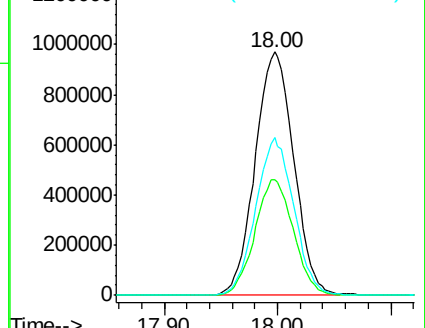
148 63.8 32.0 96.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.957 ppbv

RT: 23.55 min Scan# 6410

Delta R.T. -0.00 min

Lab File: VL032982.D

Acq: 12 Dec 2018 12:14

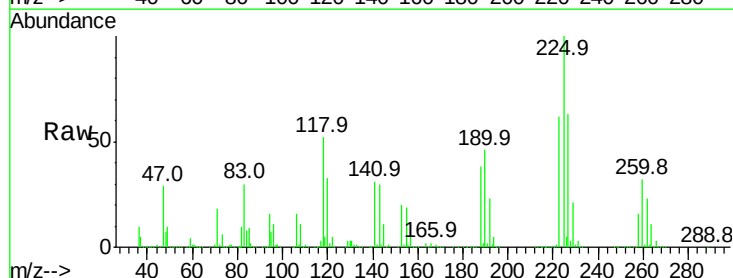
Tgt Ion:225 Resp: 1092661

Ion Ratio Lower Upper

225 100

223 63.4 50.6 75.8

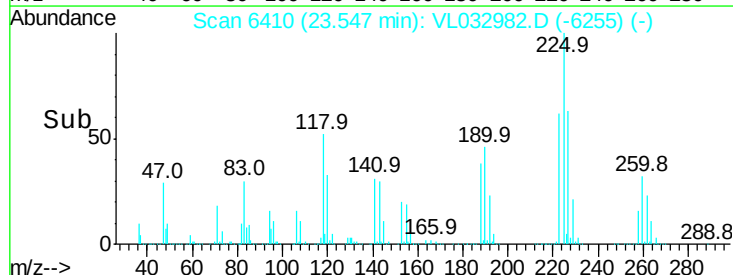
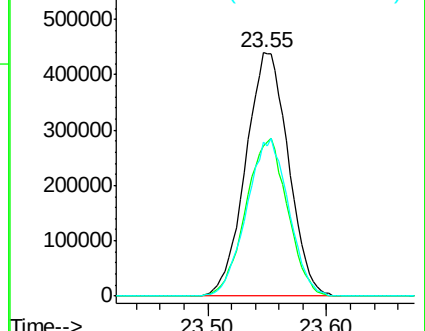
227 63.9 50.4 75.6

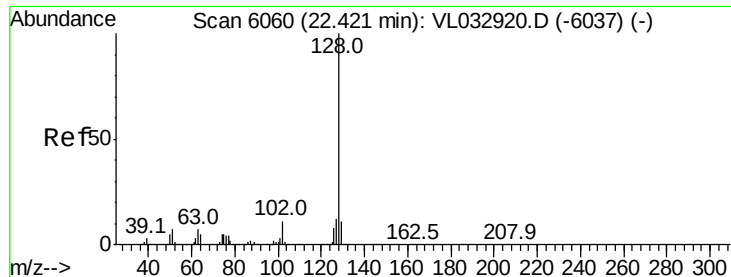


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

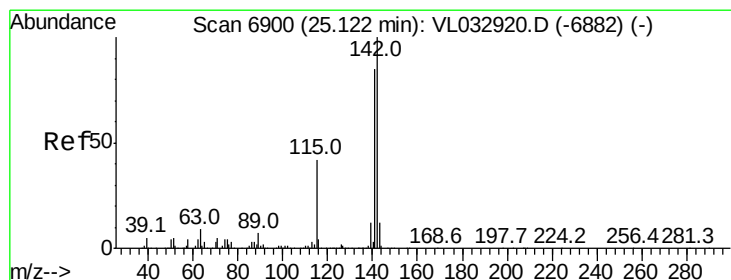
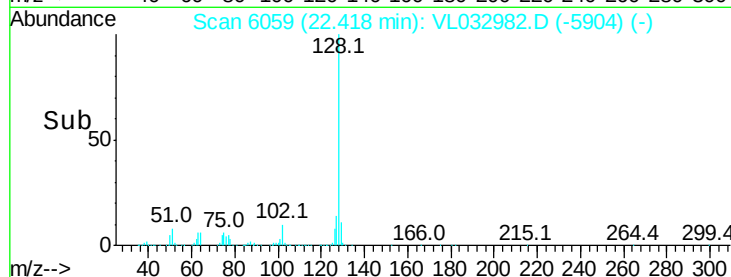
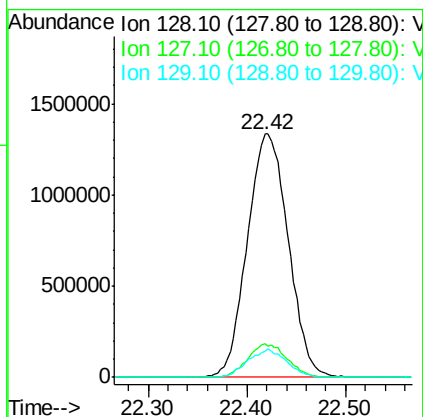
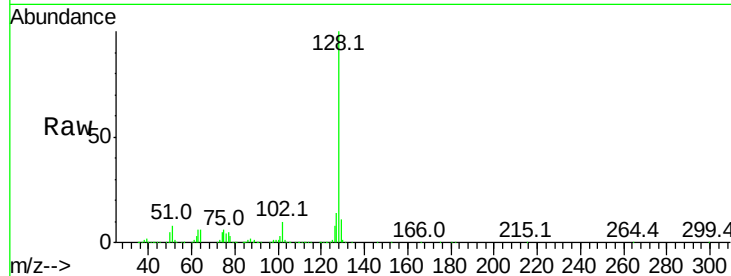




#79
Naphthalene
Concen: 11.381 ppbv
RT: 22.42 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

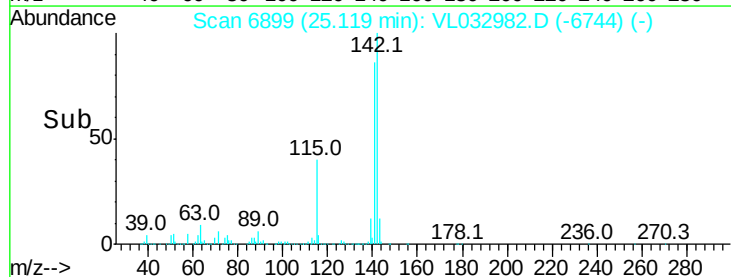
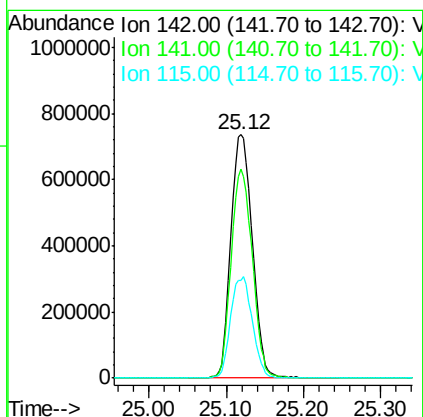
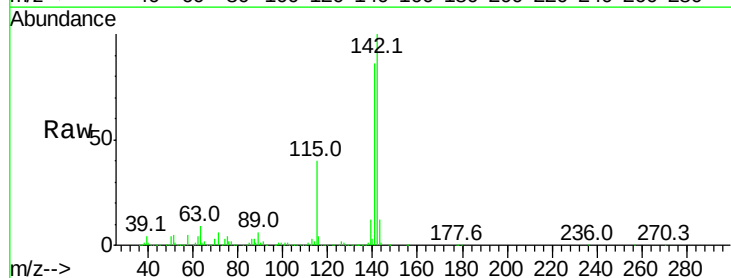
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

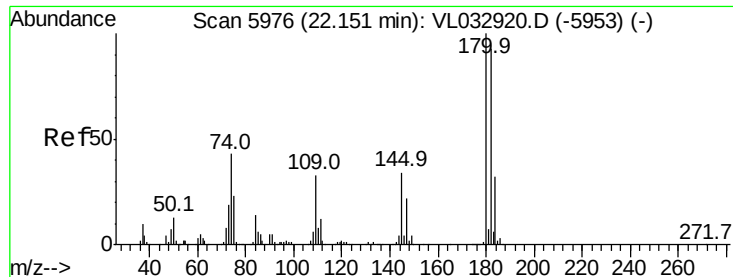
Tgt Ion:128 Resp: 3816396
Ion Ratio Lower Upper
128 100
127 13.5 9.9 14.9
129 10.6 8.6 13.0



#80
Naphthalene, 2-methyl-
Concen: 19.612 ppbv
RT: 25.12 min Scan# 6899
Delta R.T. -0.00 min
Lab File: VL032982.D
Acq: 12 Dec 2018 12:14

Tgt Ion:142 Resp: 1405126
Ion Ratio Lower Upper
142 100
141 84.7 68.2 102.2
115 41.7 35.1 52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.916 ppbv
 RT: 22.14 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL032982.D
 Acq: 12 Dec 2018 12:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1763444
 Ion Ratio Lower Upper
 180 100
 182 95.0 77.0 115.6
 184 29.9 24.3 36.5

