

Data File : VL034599.D
Acq On : 5 Feb 2020 9:38
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleID :
VSTDCCC010EC

Quant Time: Feb 05 10:19:54 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1080760	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2193854	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2830187	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1967304	8.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.20%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.01	85	1283181	5.391	ppbv	91
3) Chlorodifluoromethane	2.94	51	1179452	9.032	ppbv	100
4) Chloromethane	3.10	50	713635	8.931	ppbv	99
5) Vinyl Chloride	3.22	62	682076	8.937	ppbv	99
6) Bromomethane	3.44	94	381160	9.602	ppbv	98
7) Chloroethane	3.52	64	265353	9.349	ppbv	94
8) Dichlorotetrafluoroethane	3.15	85	1658796	8.915	ppbv	98
9) Propene	2.97	41	452144	8.892	ppbv	97
10) Heptane	8.13	43	1255973	9.815	ppbv	99
11) Trichlorofluoromethane	3.92	101	1994177	9.222	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1319181	9.350	ppbv	100
13) Ethanol	3.57	45	122967	9.029	ppbv	95
14) Bromoethene	3.71	108	530400	9.583	ppbv	98
15) Acetone	3.82	43	1366366	8.602	ppbv	98
16) 1,3-Butadiene	3.29	39	624879	9.907	ppbv	99
17) tert-Butyl alcohol	4.27	59	1378873	11.804	ppbv	100
18) 1,1-Dichloroethene	4.26	96	584099	9.807	ppbv	98
19) Isopropyl Alcohol	3.94	45	1073894	11.585	ppbv	100
20) Methylene Chloride	4.32	84	523519	8.656	ppbv	98
21) Allyl Chloride	4.39	41	958831	9.720	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	594146	9.525	ppbv	93
23) Vinyl Acetate	5.06	43	1750893	9.662	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1387674	9.172	ppbv	99
25) Ethyl Acetate	5.66	43	2372007	9.224	ppbv	100
26) Hexane	5.67	57	1007975	9.358	ppbv	99
27) Carbon Disulfide	4.53	76	1533763	10.553	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1768534	9.628	ppbv	100
29) Chloroform	5.75	83	1720943	9.036	ppbv	97
30) Cyclohexane	7.13	84	777247	9.738	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1088917	9.731	ppbv	95
32) 1,1,1-Trichloroethane	6.51	97	1830061	8.949	ppbv	99
34) 2-Butanone	5.23	43	1462131	9.179	ppbv	100
35) Carbon Tetrachloride	7.02	117	1974617	9.415	ppbv	97
36) Benzene	6.89	78	1876159	9.616	ppbv	95
37) 1,2-Dichloroethane	6.30	62	1523119	9.357	ppbv	99
38) Trichloroethene	7.84	130	812010	9.874	ppbv	96
39) 1,2-Dichloropropane	7.62	63	757649	9.368	ppbv	97
40) 1,4-Dioxane	7.83	88	329900	10.611	ppbv	81
41) Tetrahydrofuran	6.04	42	784391	9.439	ppbv	99
42) Bromodichloromethane	7.80	83	1905130	9.510	ppbv	97
43) Methyl Methacrylate	8.02	69	805738	10.268	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration

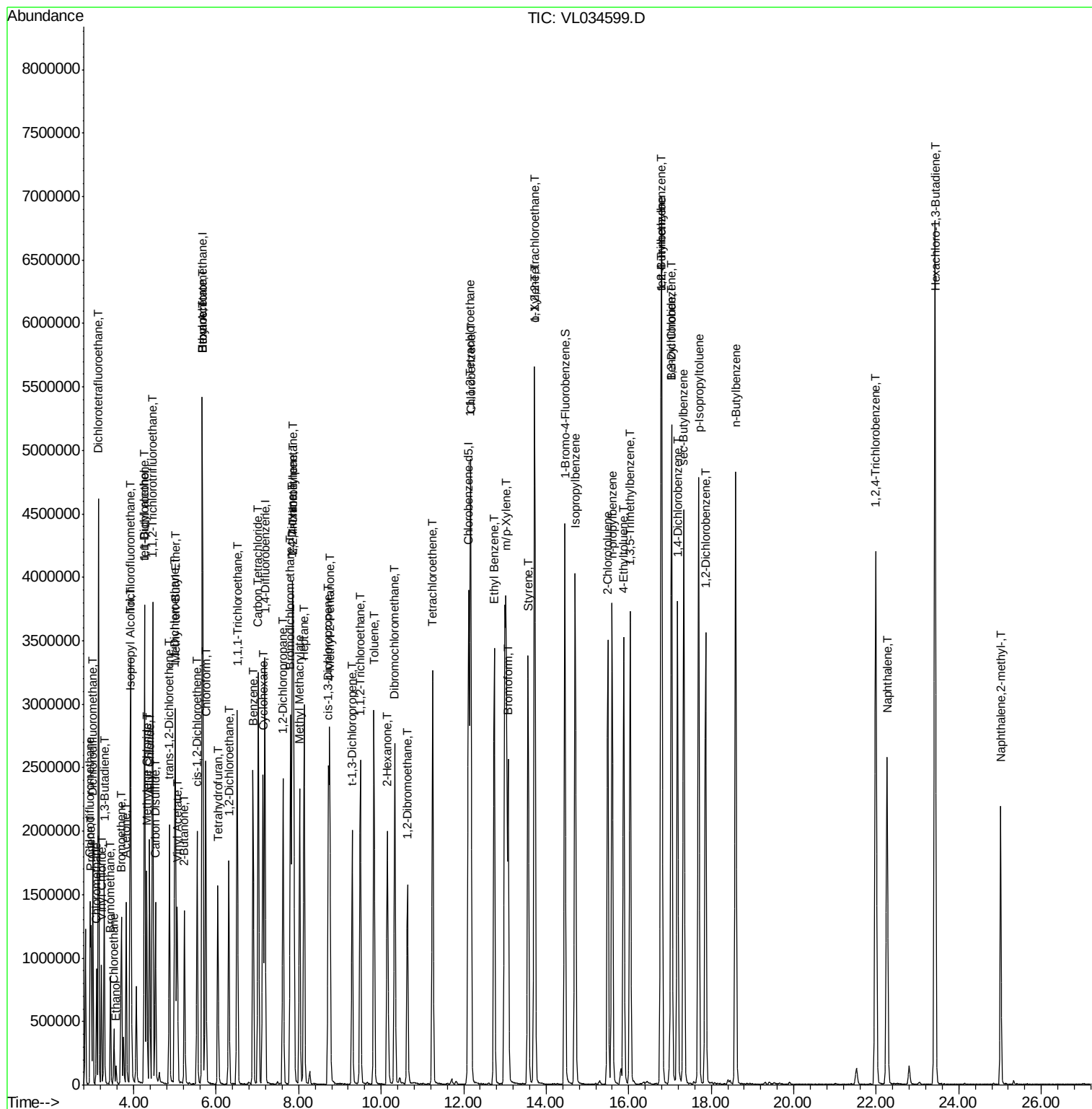
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	3397047	9.597	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1117014	10.871	ppbv	98
46) cis-1,3-Dichloropropene	8.72	75	1259084	10.781	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	819664	9.357	ppbv	98
48) Dibromochloromethane	10.33	129	1584909	9.874	ppbv	99
49) Bromoform	13.08	173	1376461	9.767	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2191507	9.647	ppbv	99
51) 2-Hexanone	10.15	43	1800637	10.069	ppbv #	98
52) Tetrachloroethene	11.25	164	737977	9.416	ppbv	96
53) Toluene	9.82	91	2187490	10.207	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1239531	9.443	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1058678	7.577	ppbv	98
57) Chlorobenzene	12.18	112	1730723	7.432	ppbv	96
58) Ethyl Benzene	12.74	91	2991353	7.899	ppbv	99
59) m/p-Xylene	13.02	91	2297723	6.863	ppbv #	16
60) o-Xylene	13.73	91	2585065	7.689	ppbv	99
61) Styrene	13.56	104	1848596	8.246	ppbv	99
62) Isopropylbenzene	14.70	105	3304295	7.584	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1776626	6.832	ppbv	99
64) n-propylbenzene	15.60	120	858482	7.659	ppbv	94
65) tert-Butylbenzene	16.79	119	3043083	7.709	ppbv	99
66) Benzyl Chloride	17.03	91	1463667	8.843	ppbv	99
67) sec-Butylbenzene	17.34	105	4193344	7.730	ppbv	99
69) p-Isopropyltoluene	17.70	119	3567282	8.099	ppbv	100
70) n-Butylbenzene	18.59	91	3878255	8.295	ppbv	100
71) 2-Chlorotoluene	15.49	91	2574837	7.786	ppbv	100
72) 4-Ethyltoluene	15.88	105	2880330	7.799	ppbv	99
73) 1,3,5-Trimethylbenzene	16.04	105	2836417	7.860	ppbv	97
74) 1,2,4-Trimethylbenzene	16.80	105	3036619	7.601	ppbv #	92
75) 1,3-Dichlorobenzene	17.04	146	1760630	7.654	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	1744374	7.694	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1736060	7.856	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1776001	8.404	ppbv	100
79) Naphthalene	22.26	128	3113984	9.901	ppbv	96
80) Naphthalene,2-methyl-	25.01	142	1119092	9.249	ppbv	99
81) 1,2,4-Trichlorobenzene	21.99	180	1913382	9.868	ppbv	98

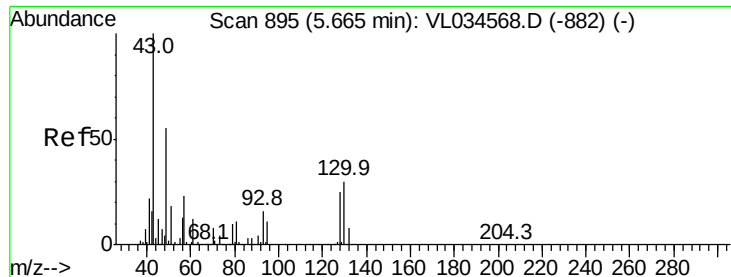
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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VSTDCCC010EC

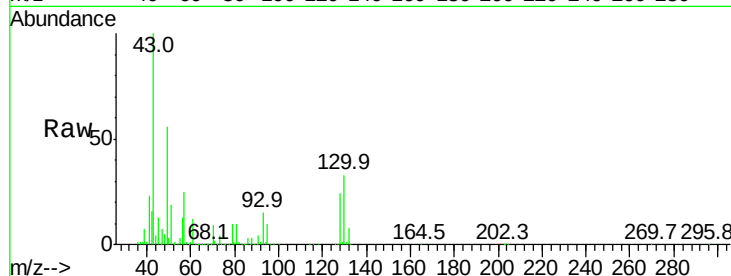
Tgt Ion: 49 Resp: 1080760

Ion Ratio Lower Upper

49 100

128 45.2 22.7 68.1

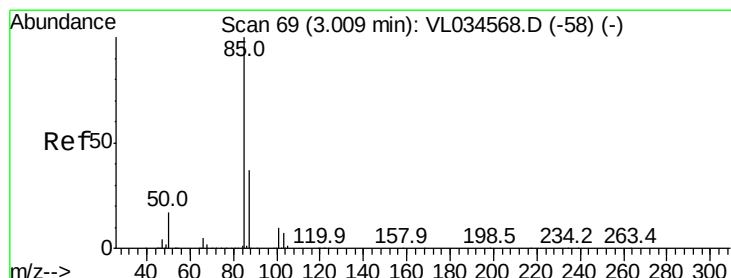
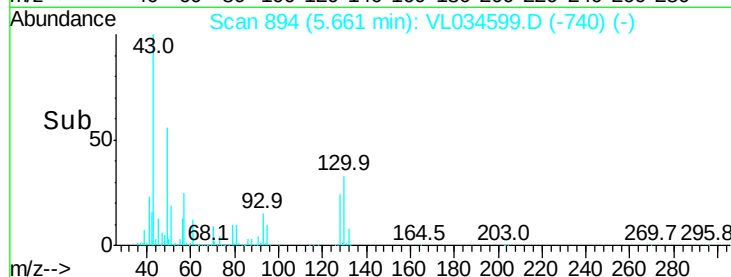
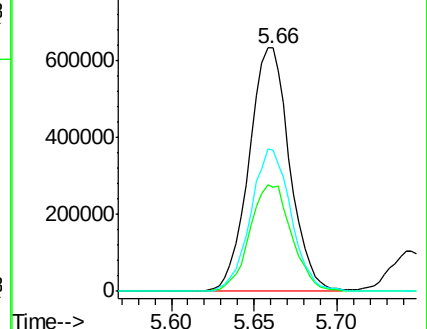
130 58.4 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 5.391 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034599.D

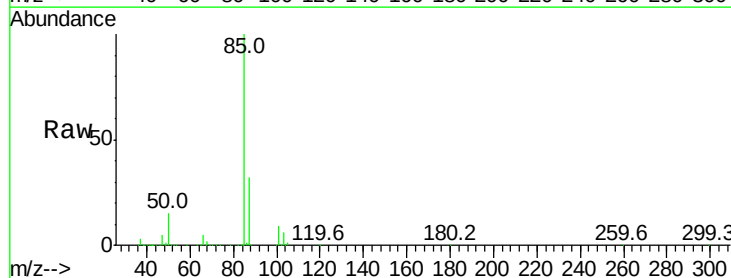
Acq: 5 Feb 2020 9:38

Tgt Ion: 85 Resp: 1283181

Ion Ratio Lower Upper

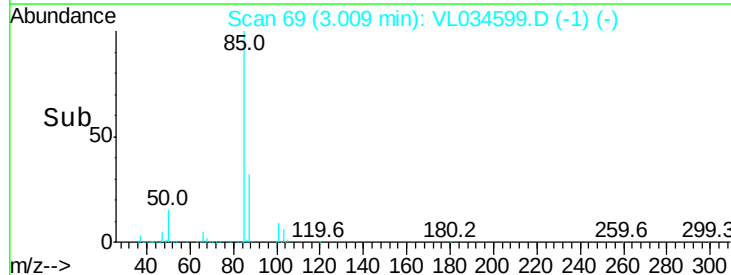
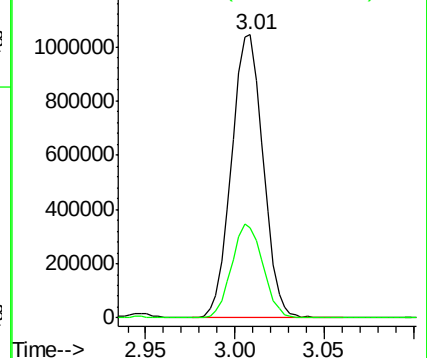
85 100

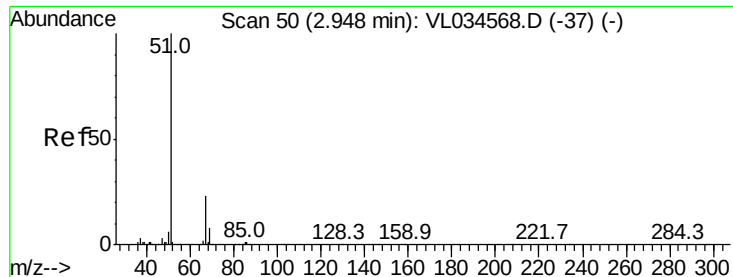
87 31.7 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.032 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

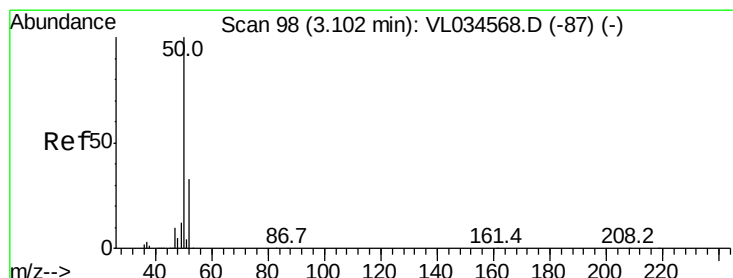
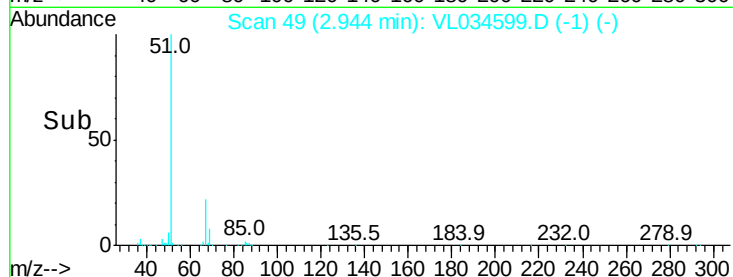
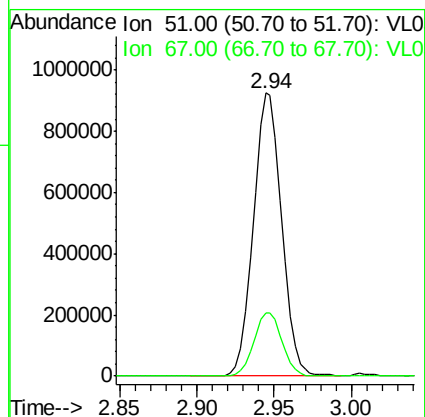
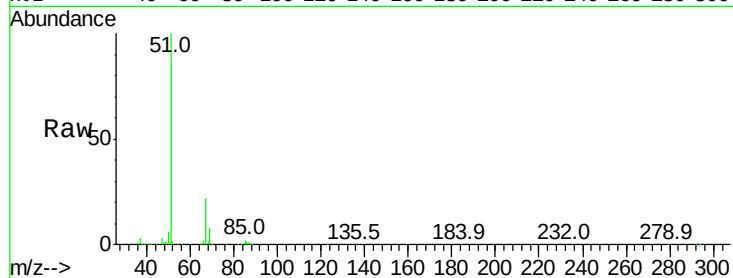
VSTDCCC010EC

Tgt Ion: 51 Resp: 1179452

Ion Ratio Lower Upper

51 100

67 22.5 17.8 26.8



#4

Chloromethane

Concen: 8.931 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.00 min

Lab File: VL034599.D

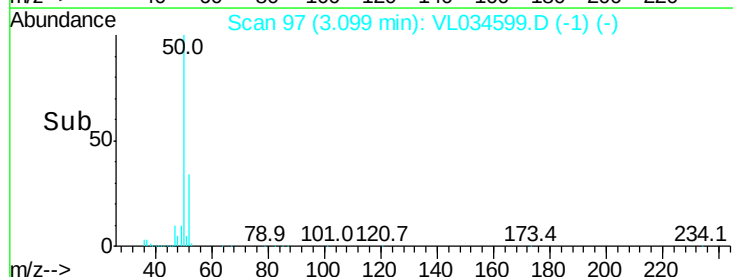
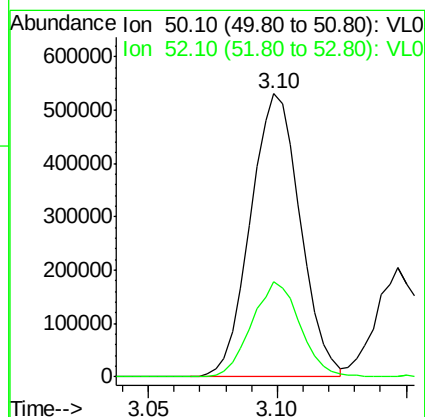
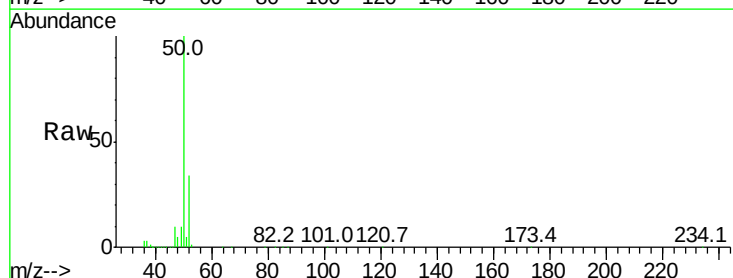
Acq: 5 Feb 2020 9:38

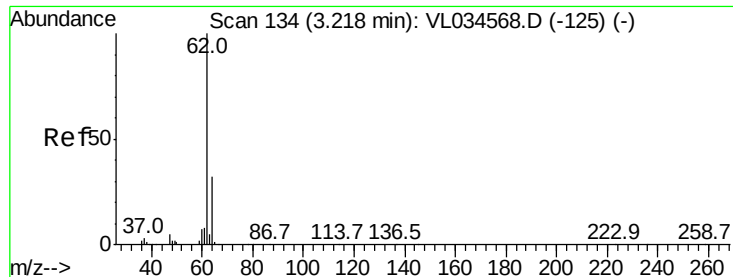
Tgt Ion: 50 Resp: 713635

Ion Ratio Lower Upper

50 100

52 33.6 26.6 39.8





#5

Vinyl Chloride

Concen: 8.937 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

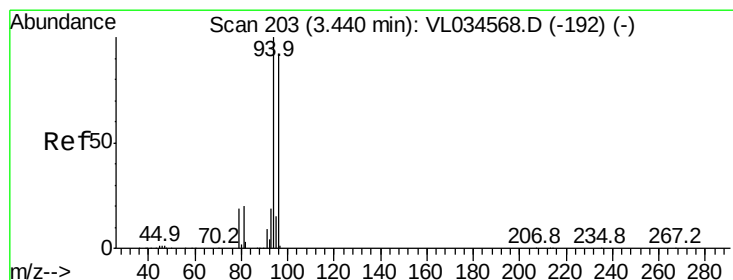
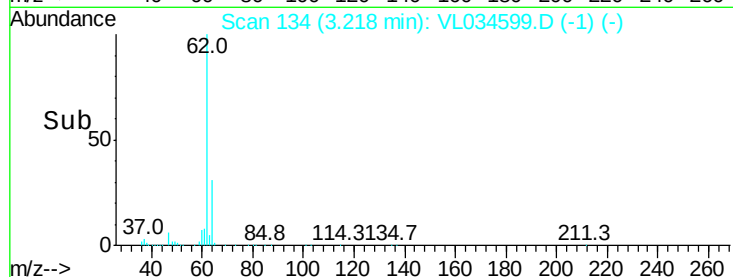
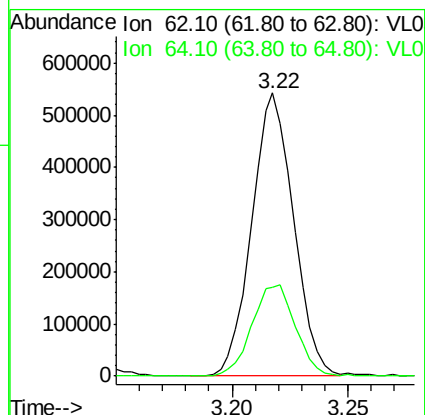
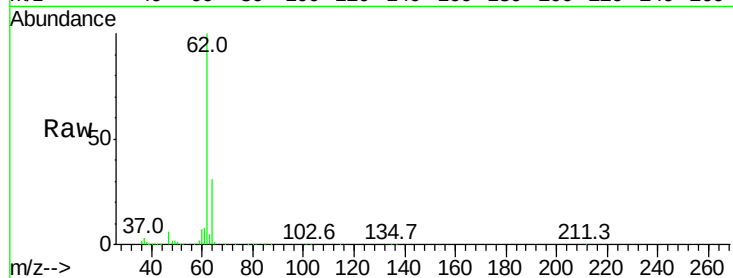
VSTDCCC010EC

Tgt Ion: 62 Resp: 682076

Ion Ratio Lower Upper

62 100

64 31.4 25.8 38.6



#6

Bromomethane

Concen: 9.602 ppbv

RT: 3.44 min Scan# 202

Delta R.T. -0.00 min

Lab File: VL034599.D

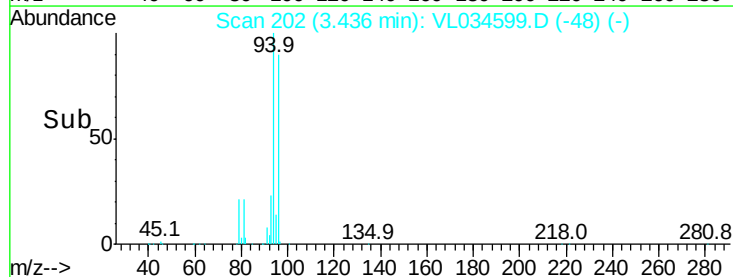
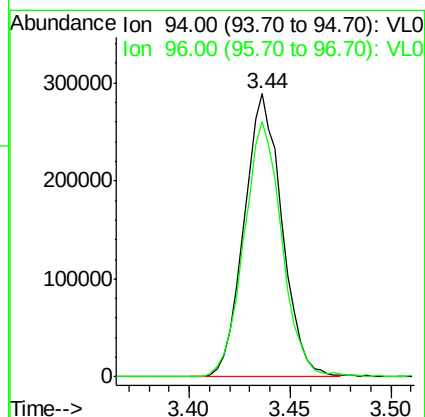
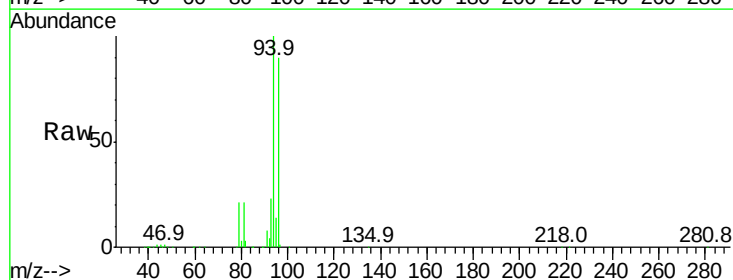
Acq: 5 Feb 2020 9:38

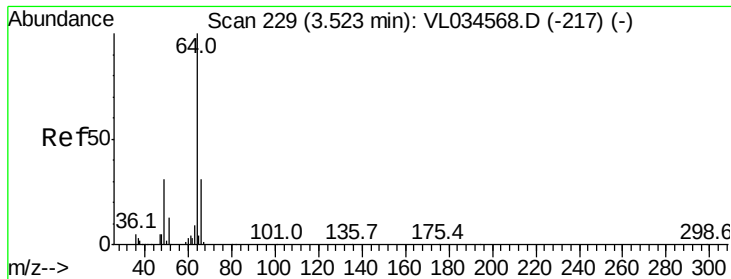
Tgt Ion: 94 Resp: 381160

Ion Ratio Lower Upper

94 100

96 90.0 73.8 110.8





#7

Chloroethane

Concen: 9.349 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

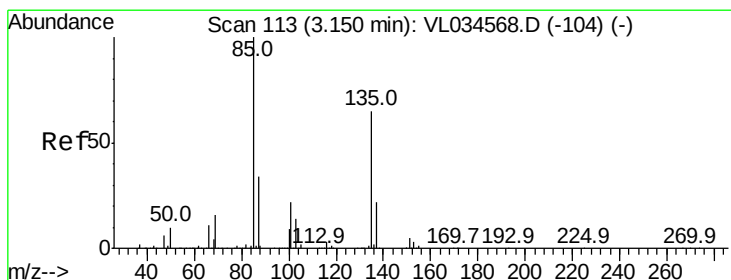
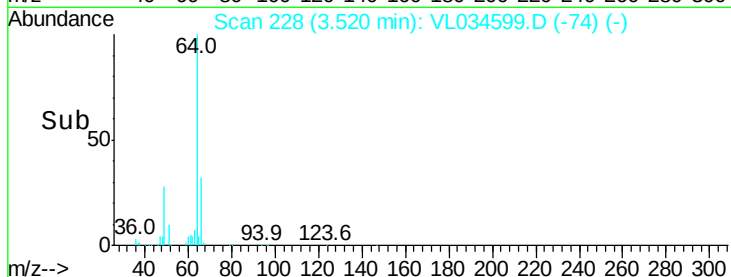
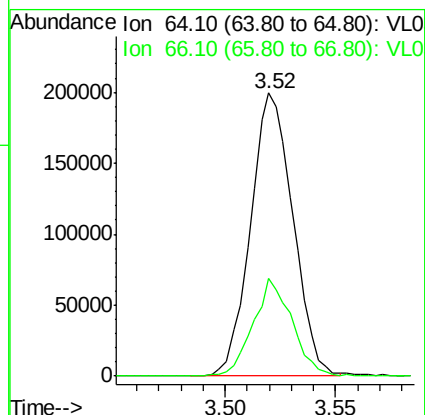
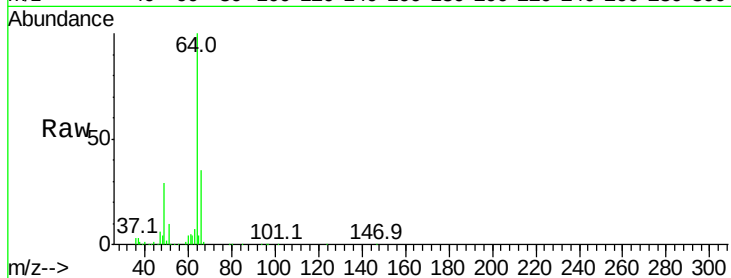
VSTDCCC010EC

Tgt Ion: 64 Resp: 265353

Ion Ratio Lower Upper

64 100

66 34.7 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 8.915 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL034599.D

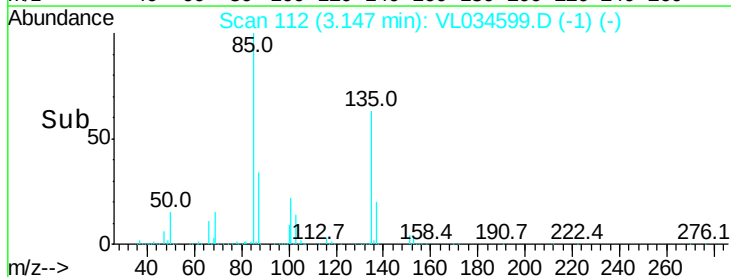
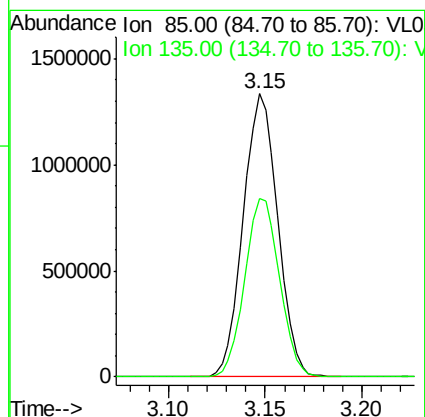
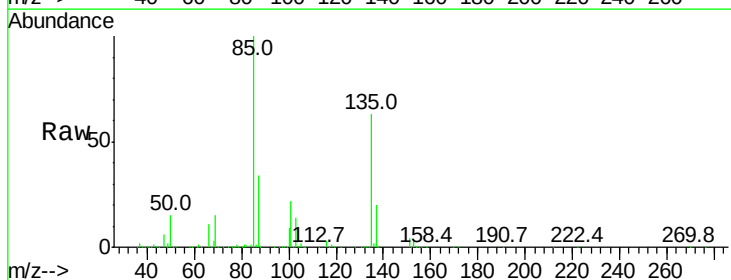
Acq: 5 Feb 2020 9:38

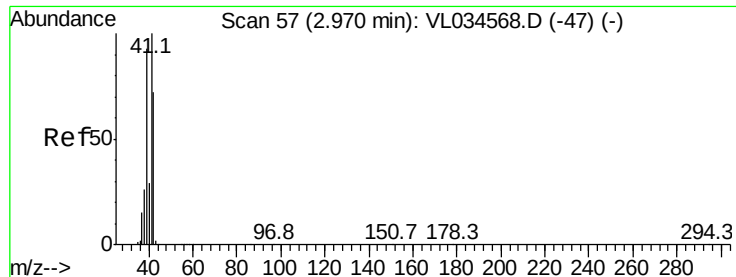
Tgt Ion: 85 Resp: 1658796

Ion Ratio Lower Upper

85 100

135 63.7 52.2 78.2





#9

Propene

Concen: 8.892 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

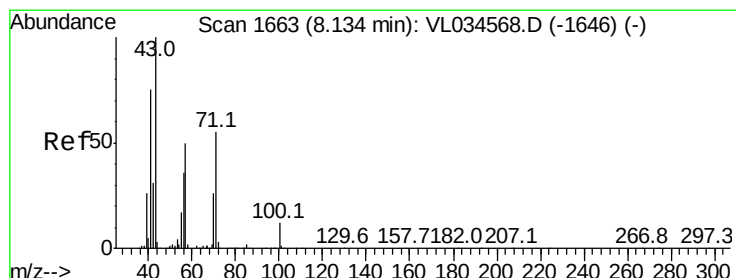
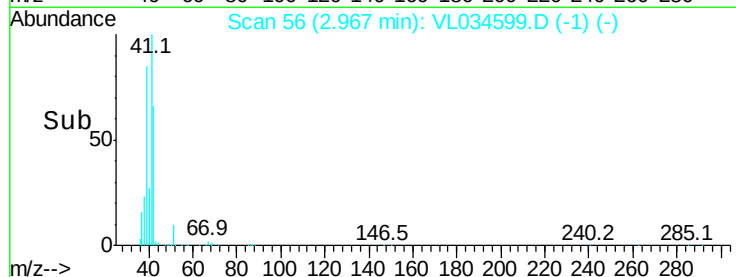
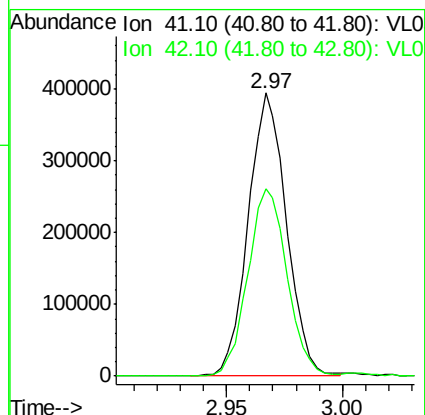
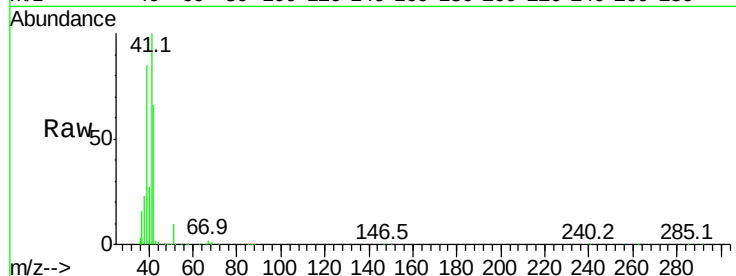
VSTDCCC010EC

Tgt Ion: 41 Resp: 452144

Ion Ratio Lower Upper

41 100

42 69.0 57.0 85.4



#10

Heptane

Concen: 9.815 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VL034599.D

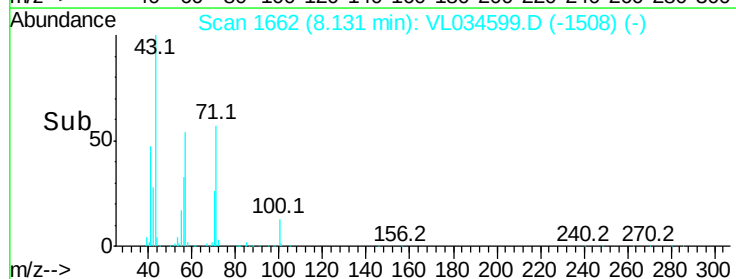
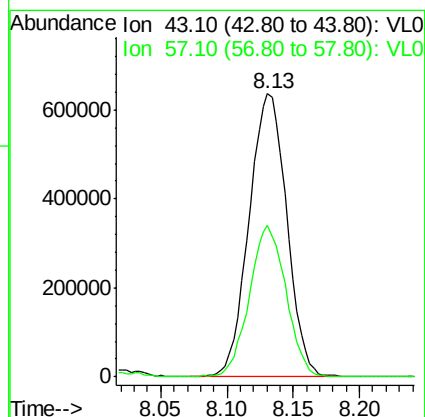
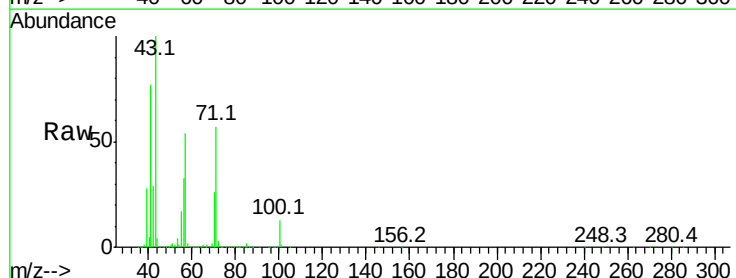
Acq: 5 Feb 2020 9:38

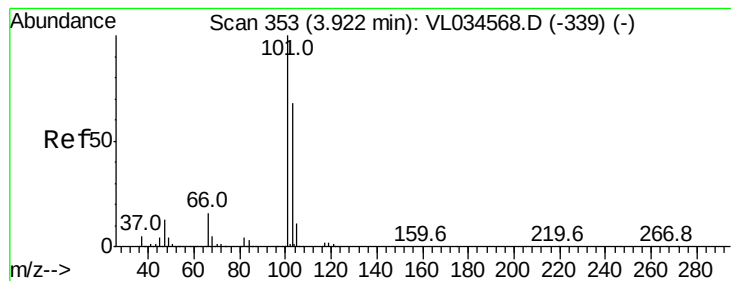
Tgt Ion: 43 Resp: 1255973

Ion Ratio Lower Upper

43 100

57 52.1 41.2 61.8





#11

Trichlorofluoromethane

Concen: 9.222 ppbv

RT: 3.92 min Scan# 352

Delta R.T. -0.00 min

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Acq: 5 Feb 2020 9:38

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ClientSampleId :

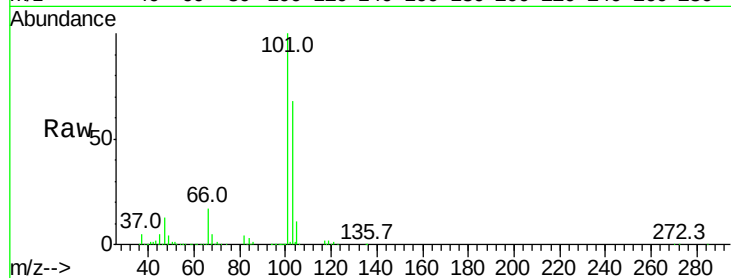
VSTDCCC010EC

Tgt Ion:101 Resp: 1994177

Ion Ratio Lower Upper

101 100

103 68.1 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.92

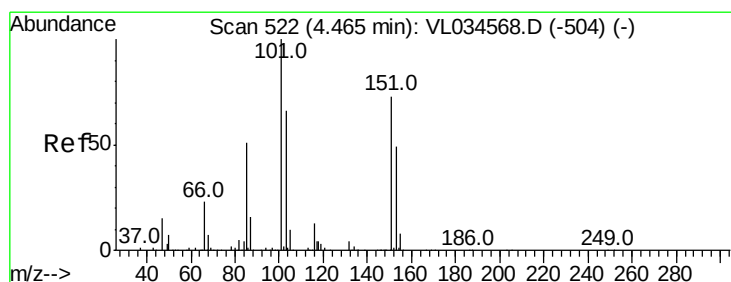
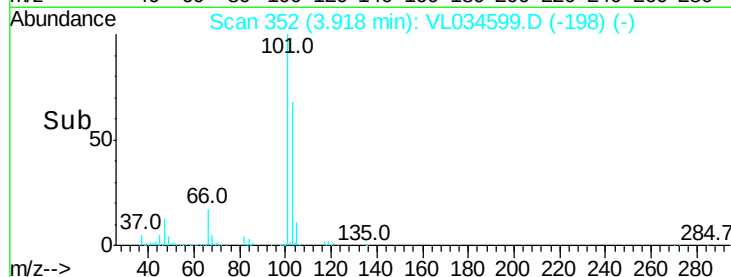
1500000

1000000

500000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.350 ppbv

RT: 4.46 min Scan# 520

Delta R.T. -0.01 min

Lab File: VL034599.D

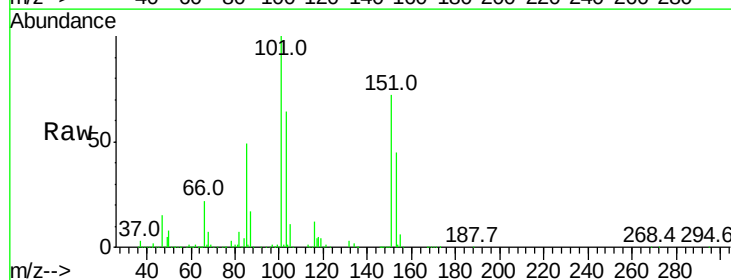
Acq: 5 Feb 2020 9:38

Tgt Ion:101 Resp: 1319181

Ion Ratio Lower Upper

101 100

151 71.6 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.46

800000

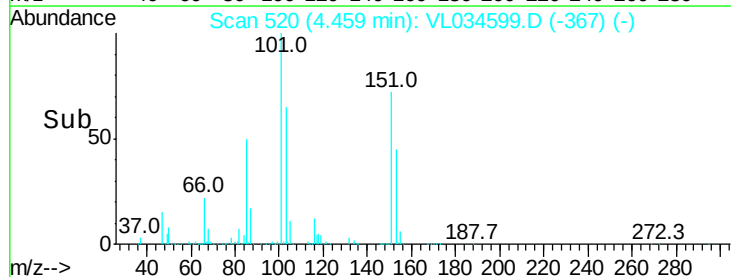
600000

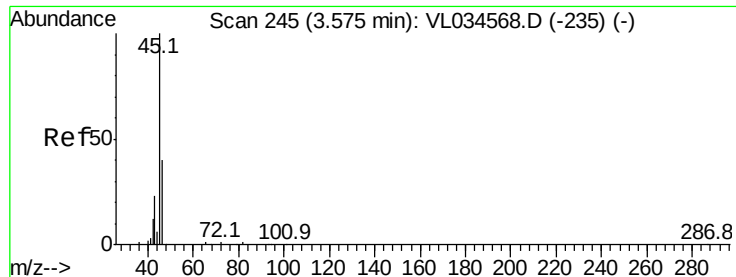
400000

200000

0

Time-->





#13

Ethanol

Concen: 9.029 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

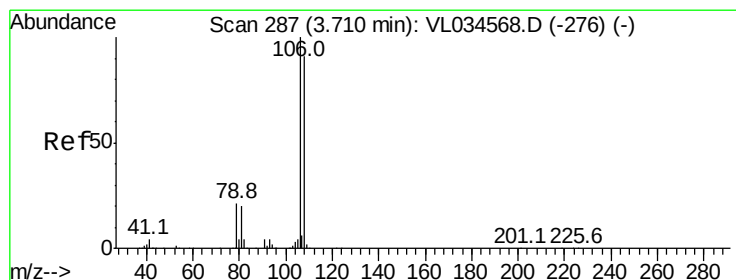
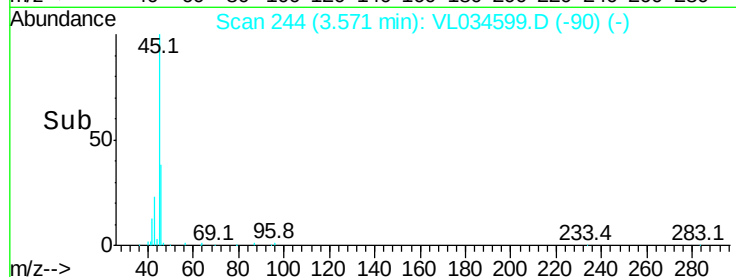
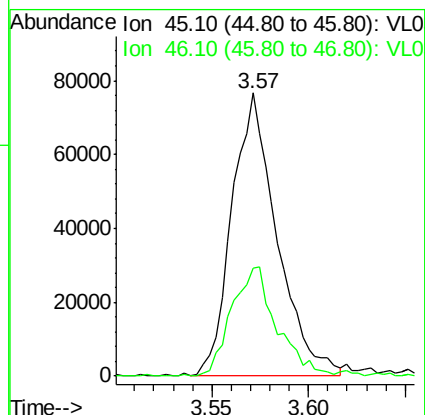
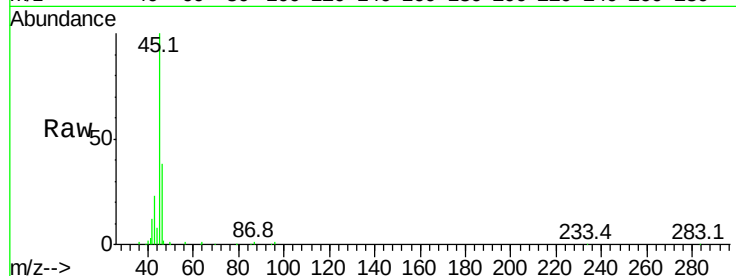
VSTDCCC010EC

Tgt Ion: 45 Resp: 122967

Ion Ratio Lower Upper

45 100

46 40.0 14.8 59.2



#14

Bromoethene

Concen: 9.583 ppbv

RT: 3.71 min Scan# 286

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

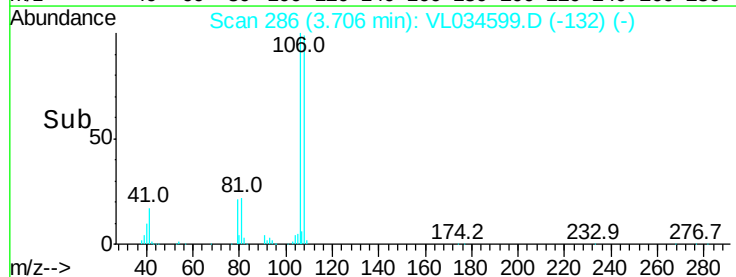
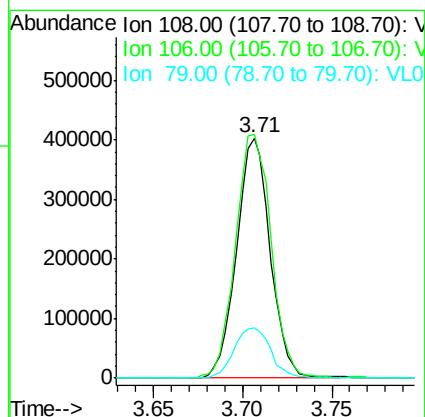
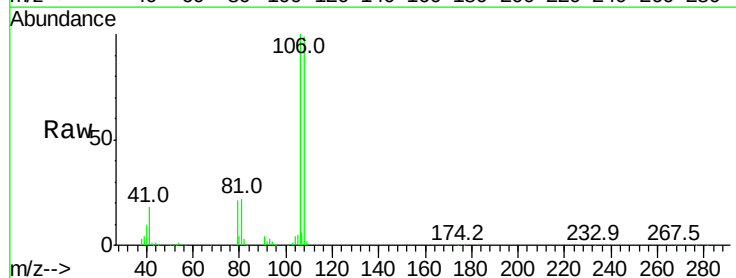
Tgt Ion: 108 Resp: 530400

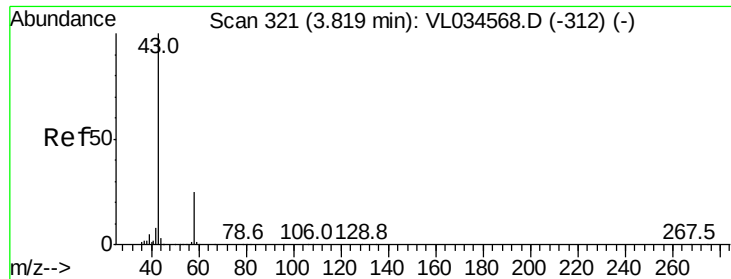
Ion Ratio Lower Upper

108 100

106 108.5 84.6 127.0

79 23.0 18.2 27.2

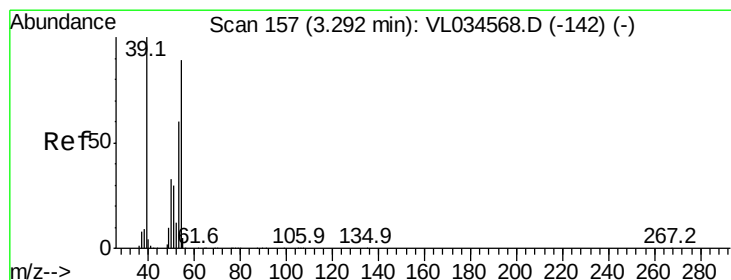
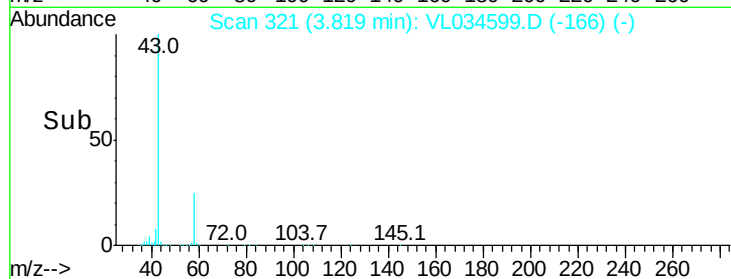
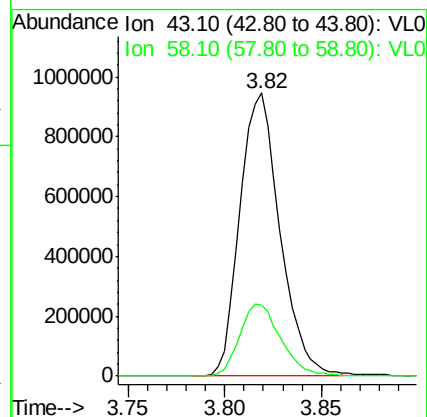
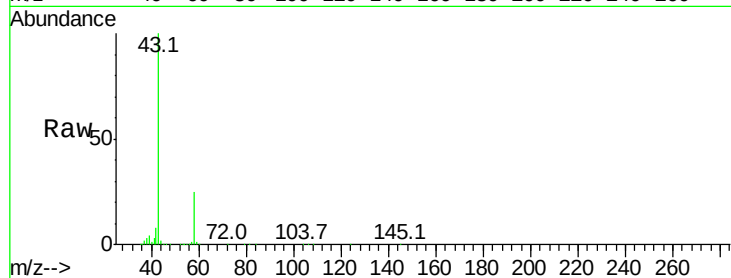




#15
Acetone
Concen: 8.602 ppbv
RT: 3.82 min Scan# 321
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

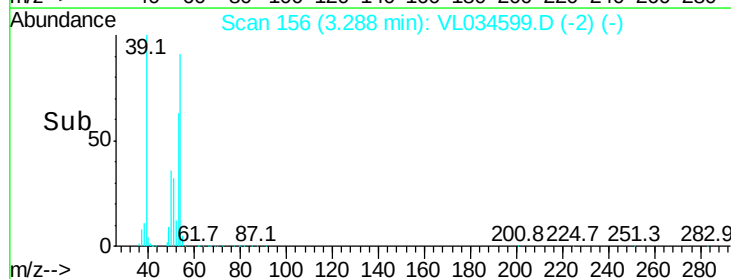
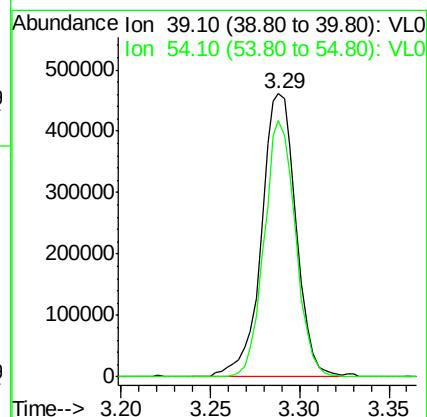
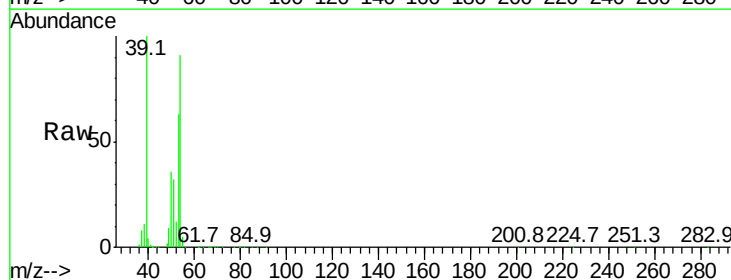
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

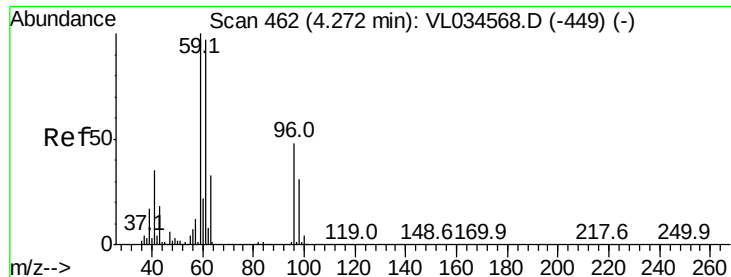
Tgt Ion: 43 Resp: 1366366
Ion Ratio Lower Upper
43 100
58 26.2 20.3 30.5



#16
1,3-Butadiene
Concen: 9.907 ppbv
RT: 3.29 min Scan# 156
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

Tgt Ion: 39 Resp: 624879
Ion Ratio Lower Upper
39 100
54 82.6 66.7 100.1





#17

tert-Butyl alcohol

Concen: 11.804 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.01 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

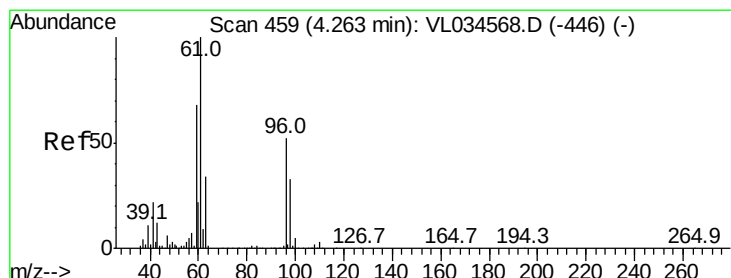
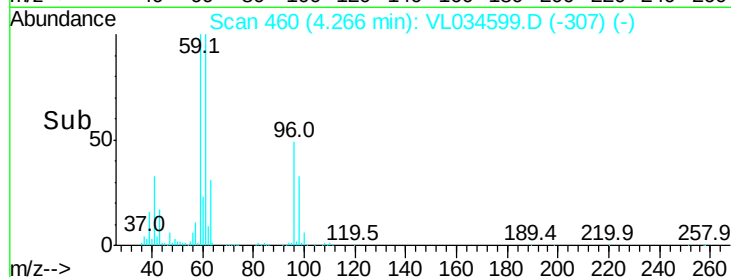
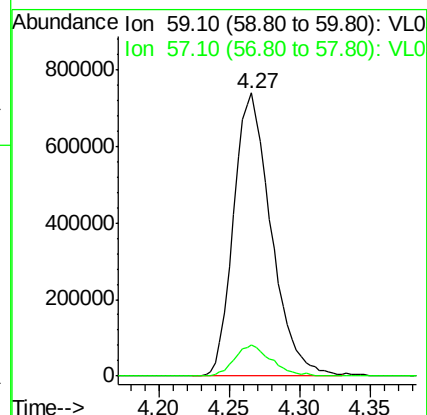
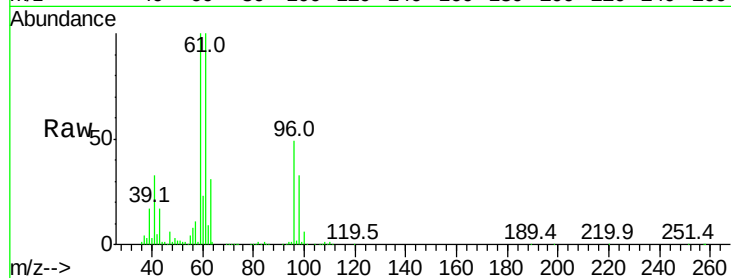
VSTDCCC010EC

Tgt Ion: 59 Resp: 1378873

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.807 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

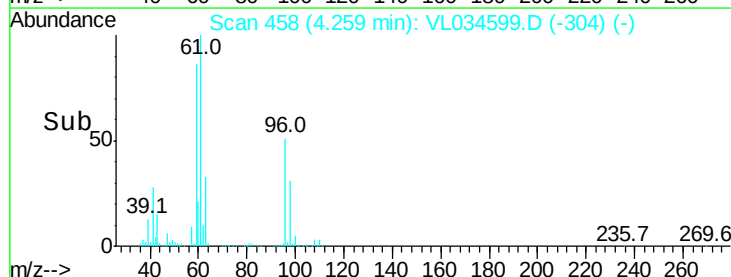
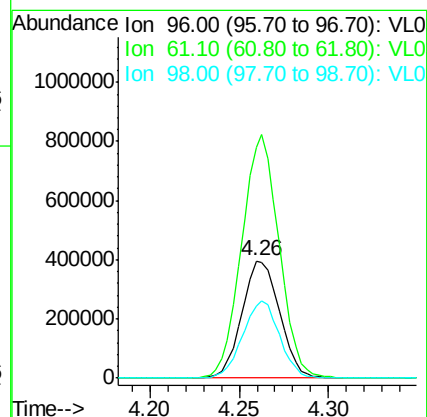
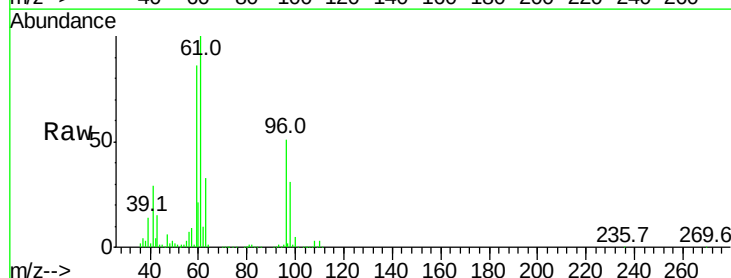
Tgt Ion: 96 Resp: 584099

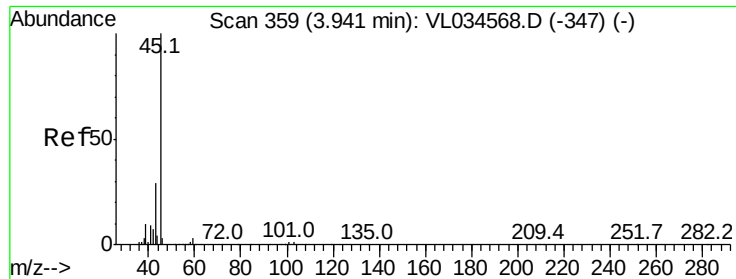
Ion Ratio Lower Upper

96 100

61 197.0 154.5 231.7

98 61.3 50.3 75.5





#19

Isopropyl Alcohol

Concen: 11.585 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

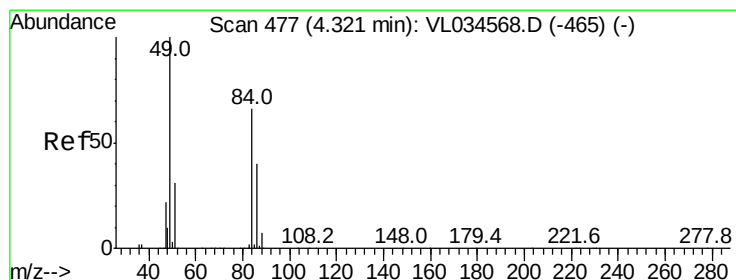
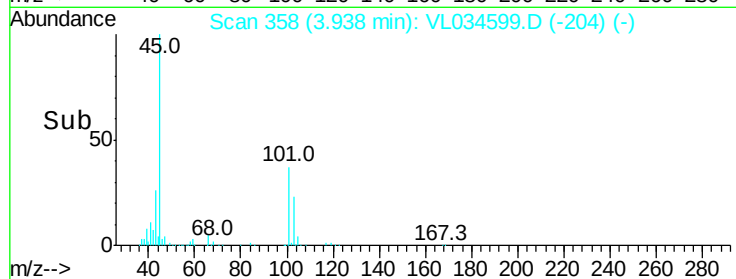
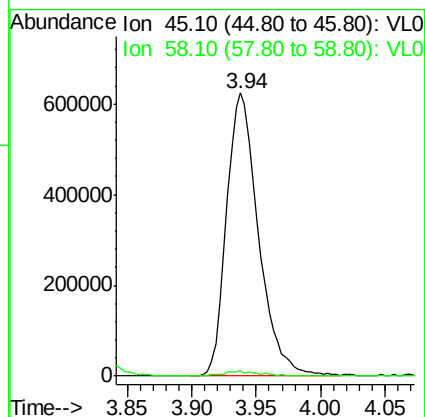
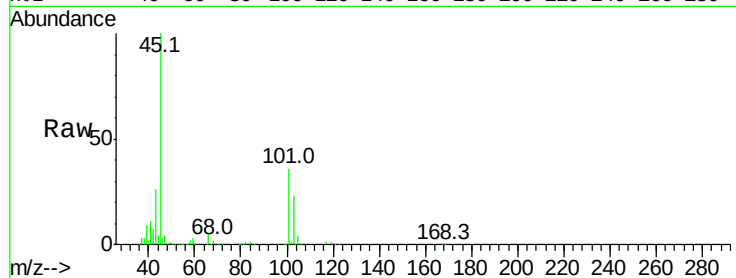
VSTDCCC010EC

Tgt Ion: 45 Resp: 1073894

Ion Ratio Lower Upper

45 100

58 2.2 1.7 2.5



#20

Methylene Chloride

Concen: 8.656 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 84 Resp: 523519

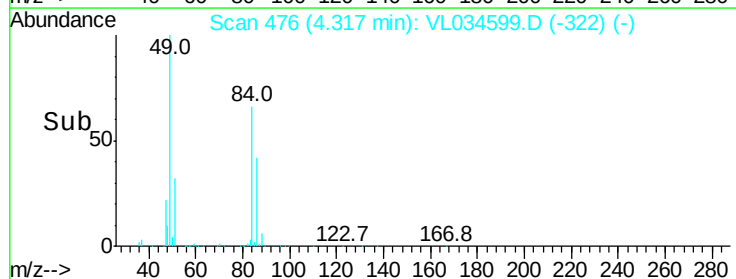
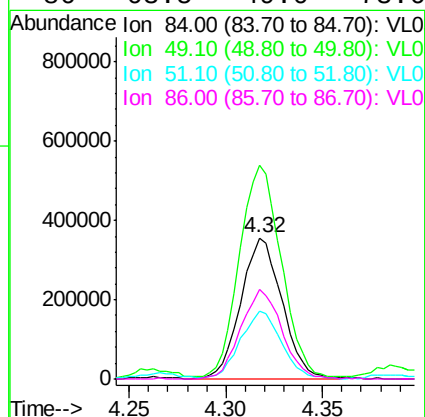
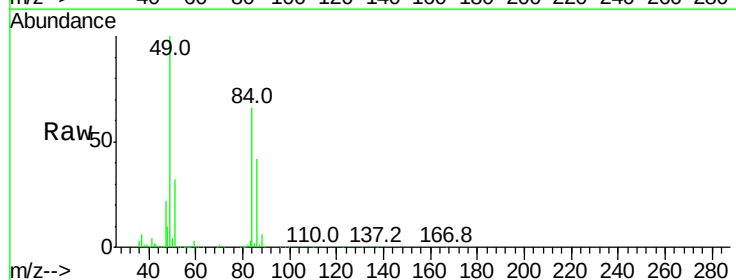
Ion Ratio Lower Upper

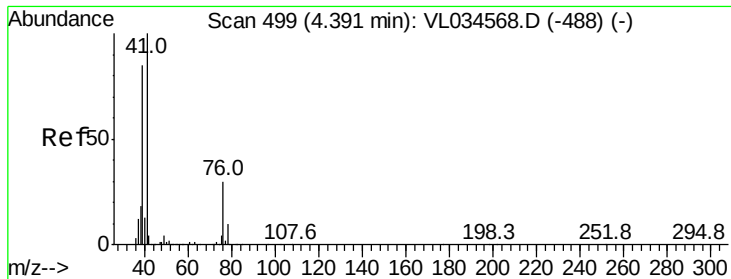
84 100

49 150.2 122.4 183.6

51 48.0 38.6 57.8

86 63.5 49.0 73.6





#21

Allyl Chloride

Concen: 9.720 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

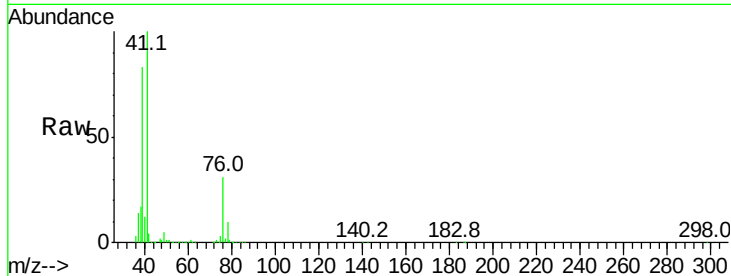
Tgt Ion: 41 Resp: 958831

Ion Ratio Lower Upper

41 100

76 30.3 24.2 36.2

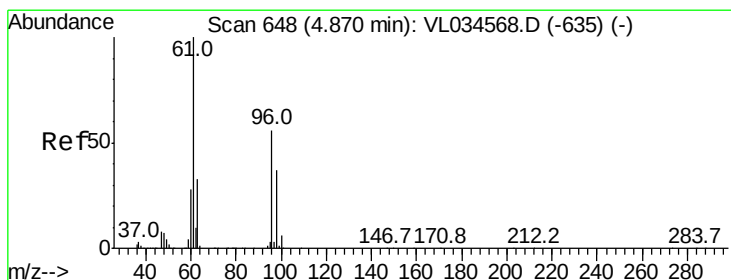
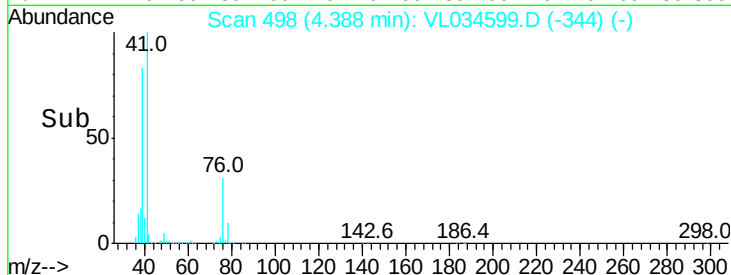
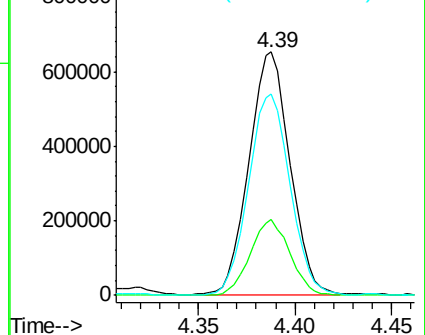
39 85.1 68.3 102.5



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: 9.525 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

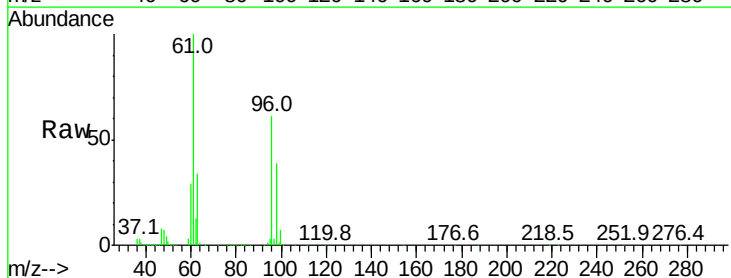
Tgt Ion: 96 Resp: 594146

Ion Ratio Lower Upper

96 100

61 165.1 141.9 212.9

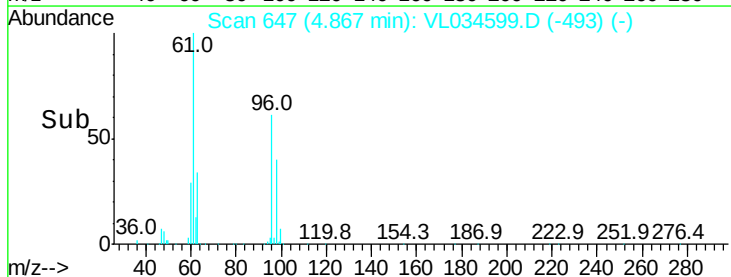
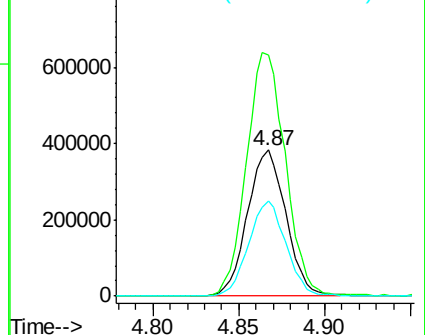
98 65.0 53.1 79.7

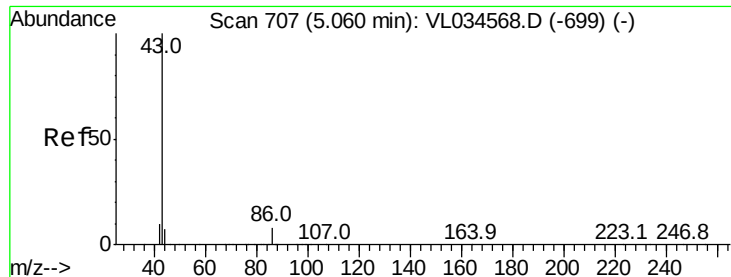


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.662 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

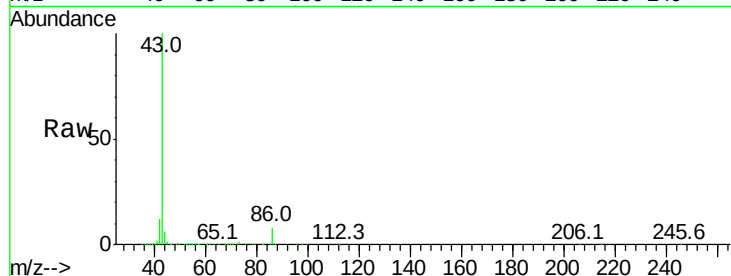
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1750893

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	11.9	8.8	13.2
44	5.9	5.0	7.6

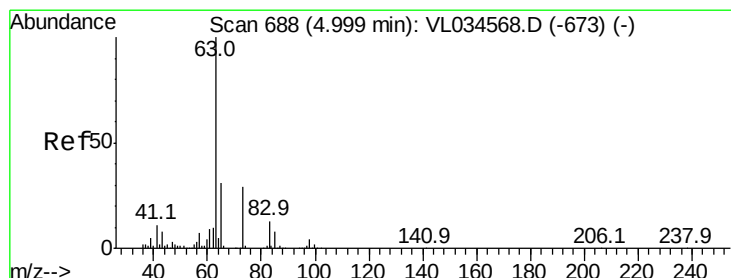
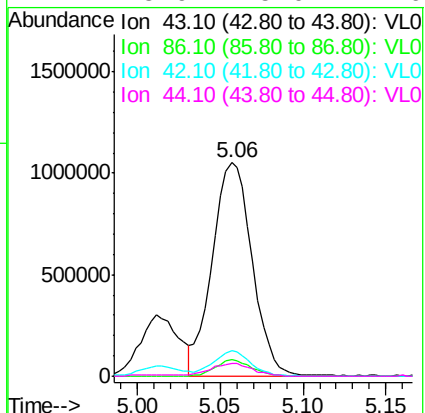
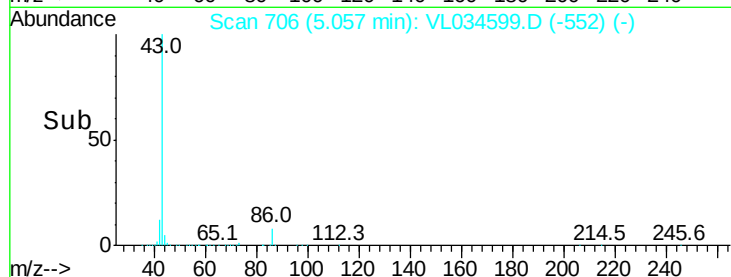


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.172 ppbv

RT: 5.00 min Scan# 687

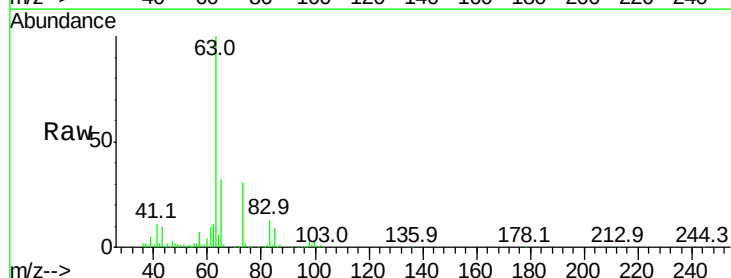
Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 63 Resp: 1387674

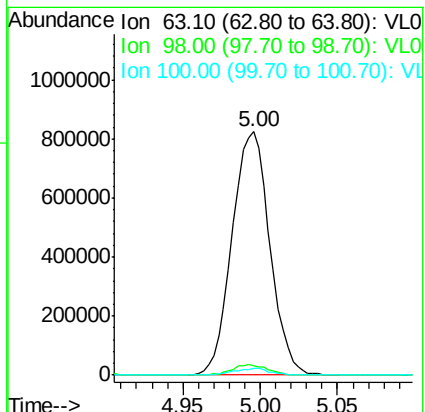
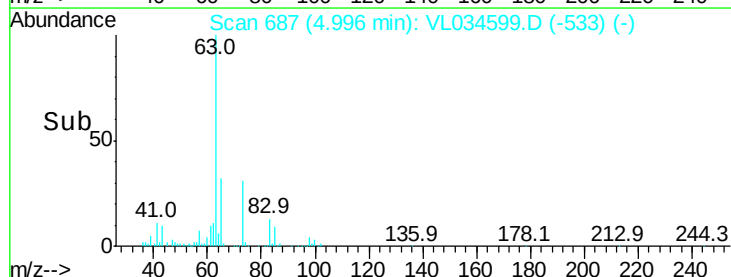
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.1	6.2
100	2.7	1.1	3.5

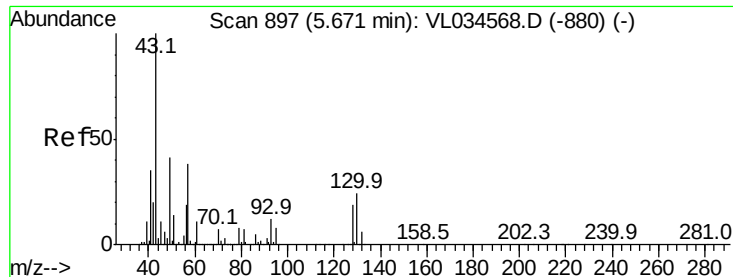


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.224 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2372007

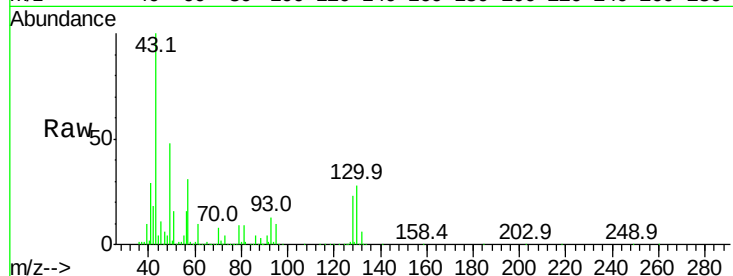
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	9.5	7.8	11.6
70	7.4	5.8	8.8

43 100

45 10.4 8.5 12.7

61 9.5 7.8 11.6

70 7.4 5.8 8.8



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

5.66

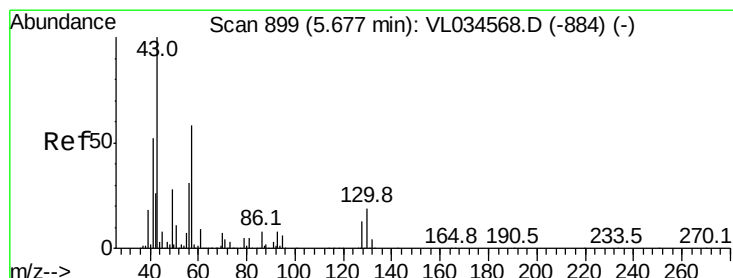
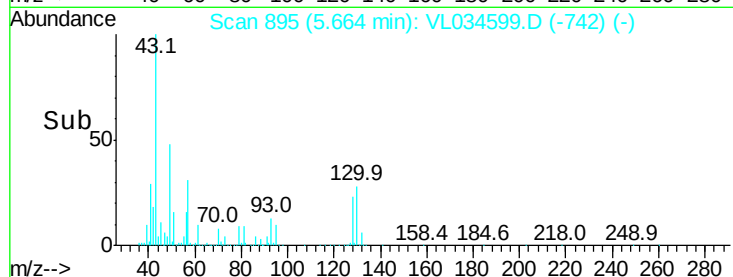
1500000

1000000

500000

0

Time-->



#26

Hexane

Concen: 9.358 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 57 Resp: 1007975

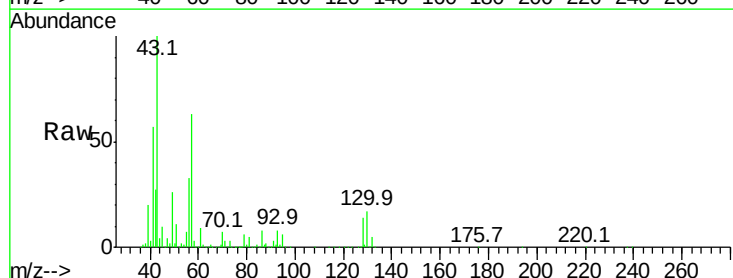
Ion	Ratio	Lower	Upper
57	100		
41	94.0	76.2	114.2
43	236.2	189.9	284.9
56	53.9	43.6	65.4

57 100

41 94.0 76.2 114.2

43 236.2 189.9 284.9

56 53.9 43.6 65.4



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

5.67

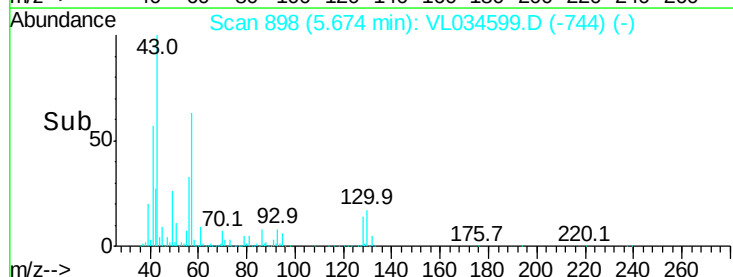
1500000

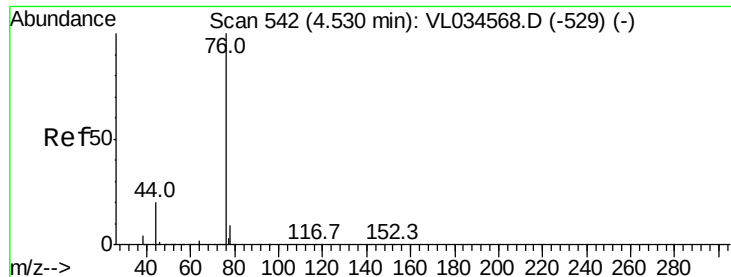
1000000

500000

0

Time-->





#27

Carbon Disulfide

Concen: 10.553 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

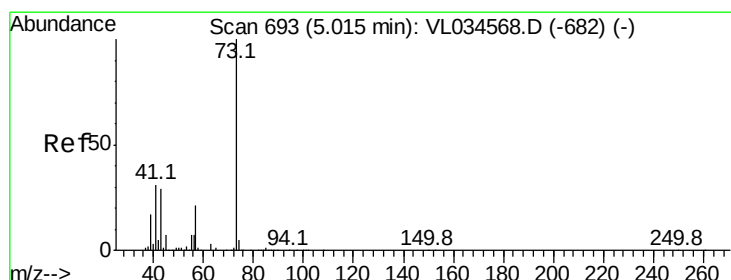
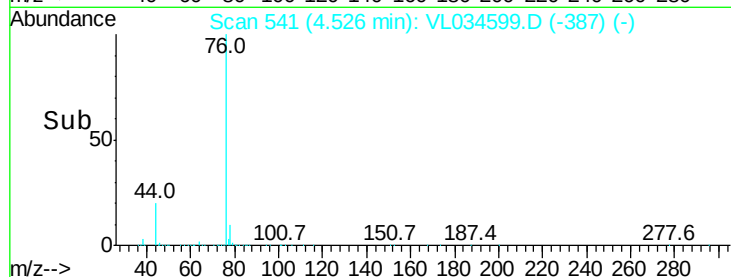
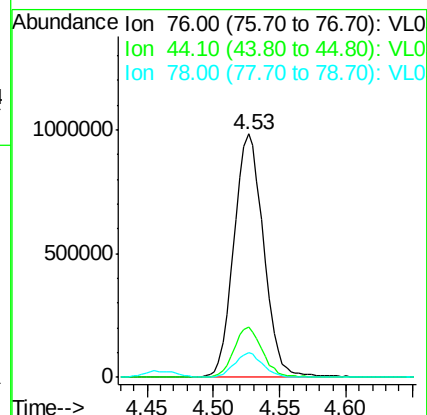
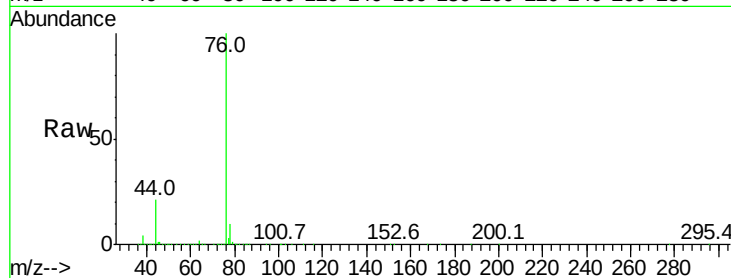
Tgt Ion: 76 Resp: 1533763

Ion Ratio Lower Upper

76 100

44 19.3 16.3 24.5

78 9.8 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 9.628 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034599.D

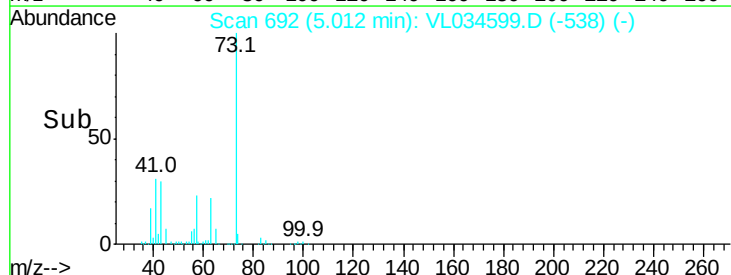
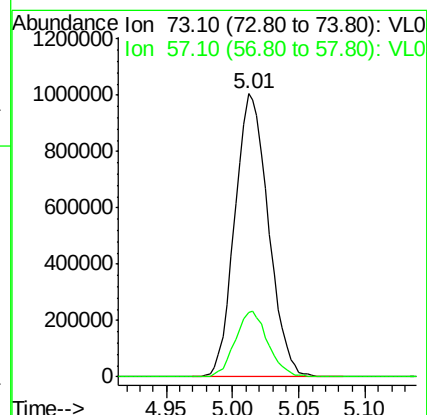
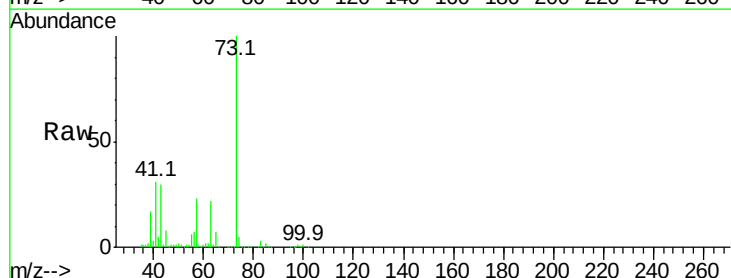
Acq: 5 Feb 2020 9:38

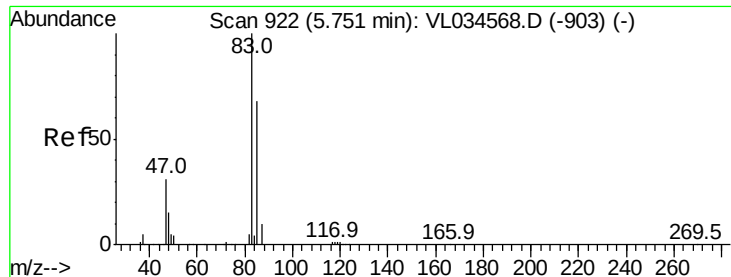
Tgt Ion: 73 Resp: 1768534

Ion Ratio Lower Upper

73 100

57 22.6 17.9 26.9





#29

Chloroform

Concen: 9.036 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

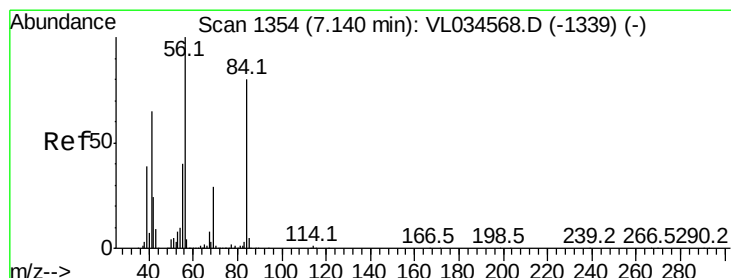
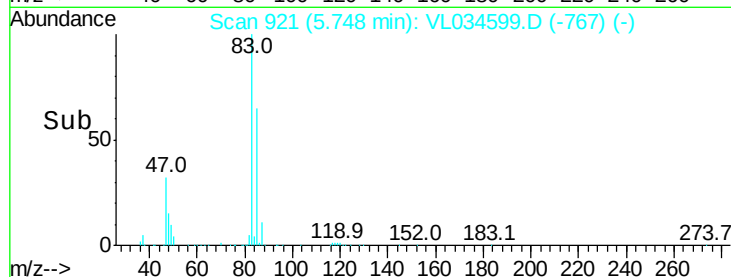
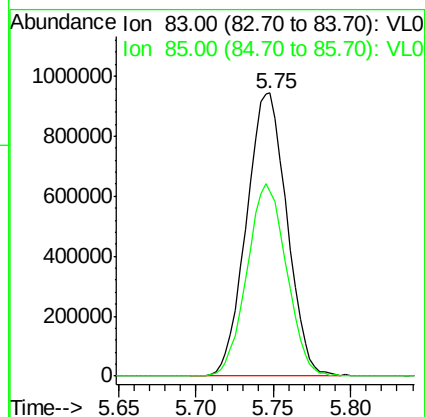
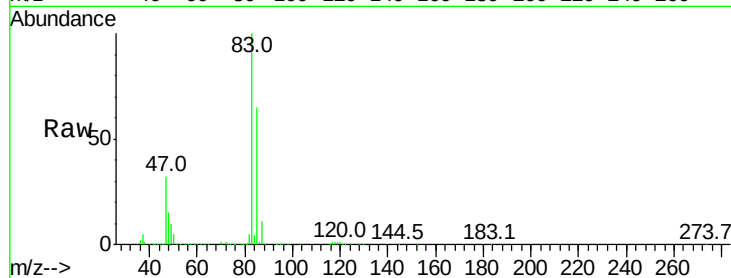
VSTDCCC010EC

Tgt Ion: 83 Resp: 1720943

Ion Ratio Lower Upper

83 100

85 65.2 54.0 81.0



#30

Cyclohexane

Concen: 9.738 ppbv

RT: 7.13 min Scan# 1352

Delta R.T. -0.01 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

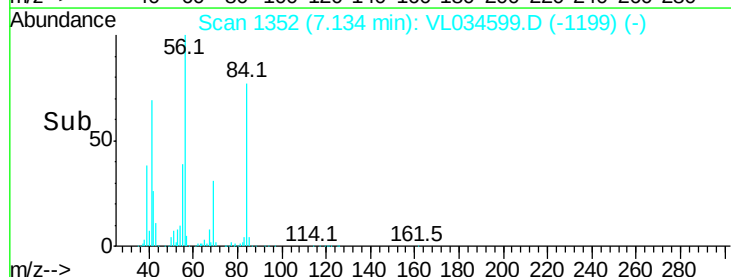
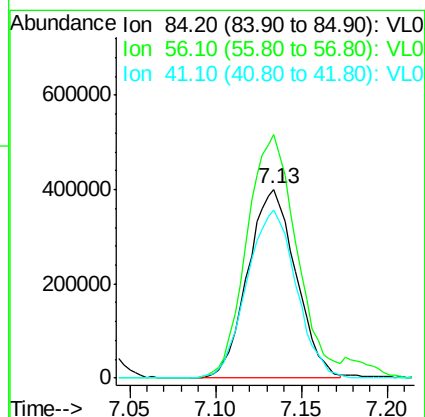
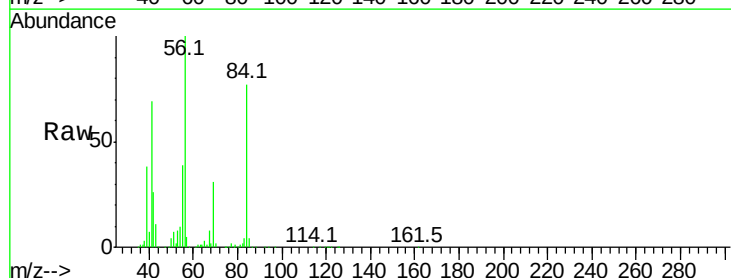
Tgt Ion: 84 Resp: 777247

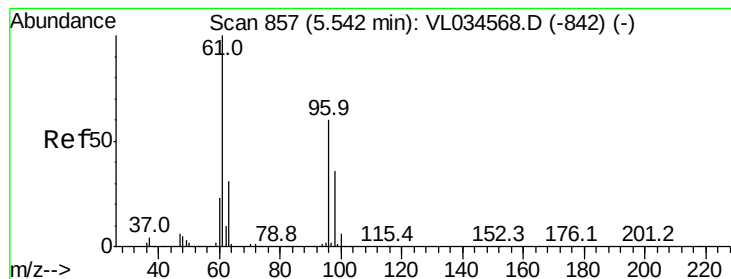
Ion Ratio Lower Upper

84 100

56 139.8 110.5 165.7

41 91.3 71.9 107.9





#31

cis-1,2-Dichloroethene

Concen: 9.731 ppbv

RT: 5.54 min Scan# 856

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

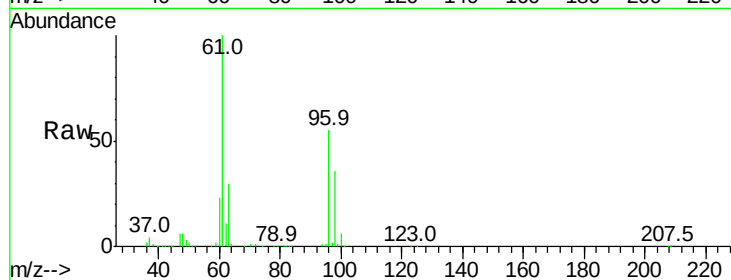
Tgt Ion: 61 Resp: 1088917

Ion Ratio Lower Upper

61 100

96 54.9 48.0 72.0

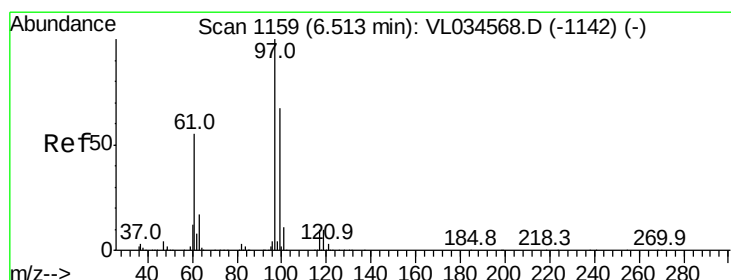
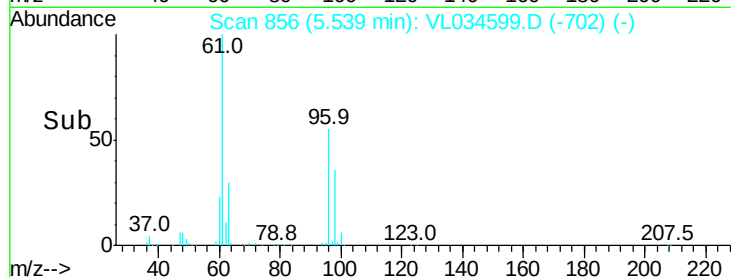
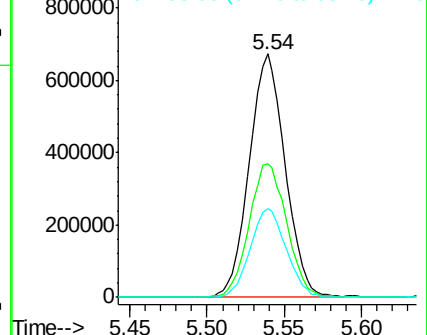
98 36.3 28.6 43.0



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.949 ppbv

RT: 6.51 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

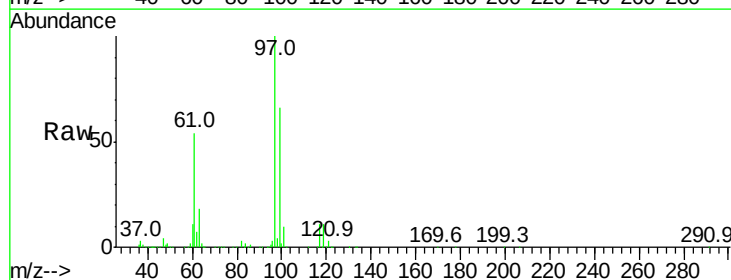
Tgt Ion: 97 Resp: 1830061

Ion Ratio Lower Upper

97 100

99 64.6 52.2 78.2

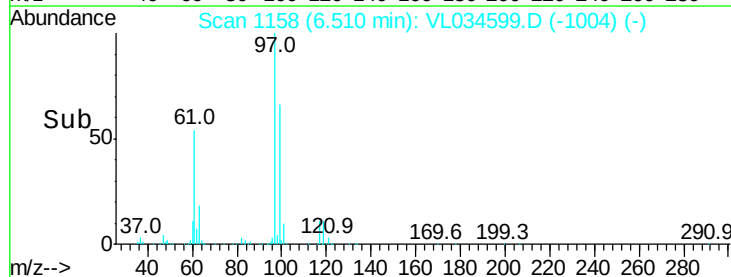
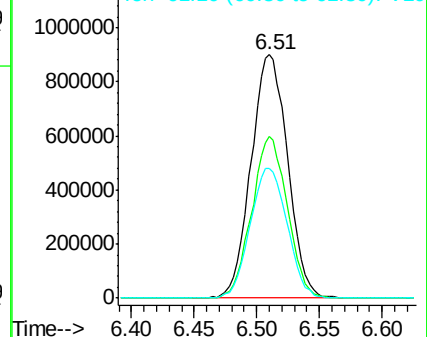
61 54.0 43.0 64.4

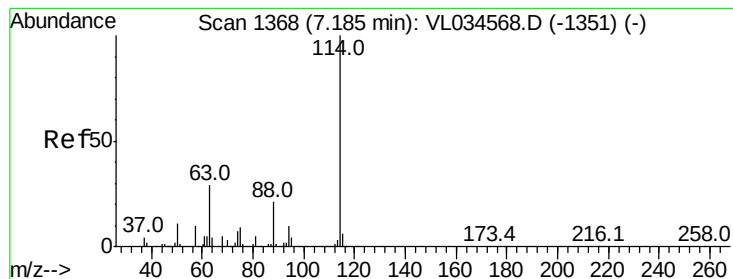


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

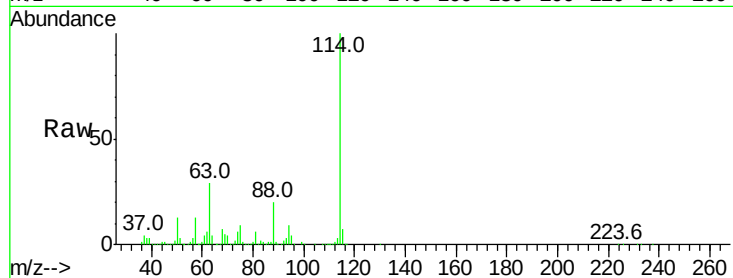
Tgt Ion:114 Resp: 2193854

Ion Ratio Lower Upper

114 100

63 29.3 24.1 36.1

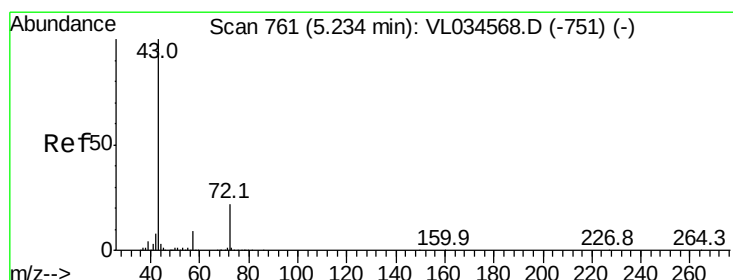
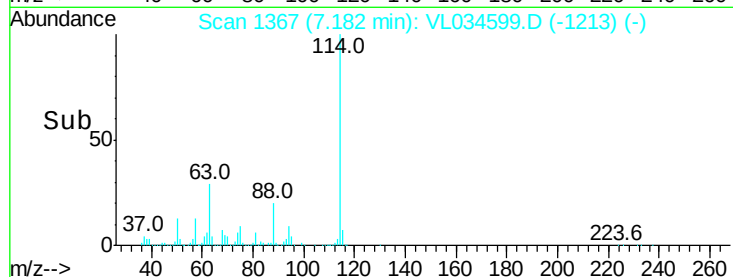
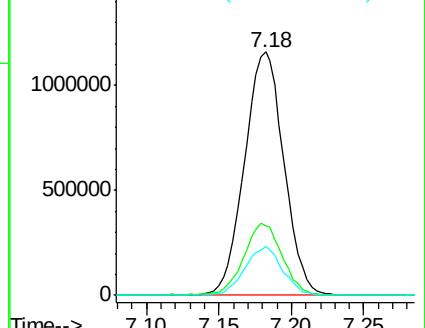
88 19.2 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.179 ppbv

RT: 5.23 min Scan# 759

Delta R.T. -0.01 min

Lab File: VL034599.D

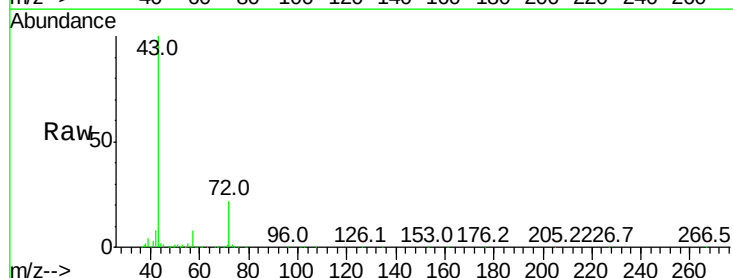
Acq: 5 Feb 2020 9:38

Tgt Ion: 43 Resp: 1462131

Ion Ratio Lower Upper

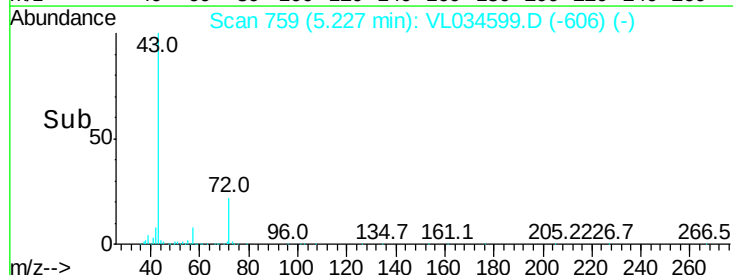
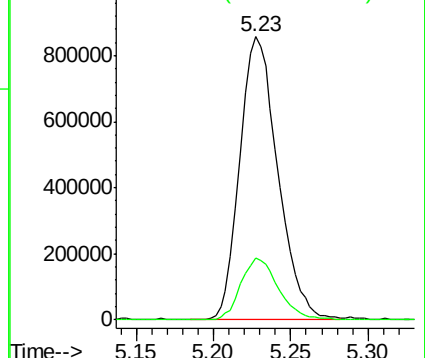
43 100

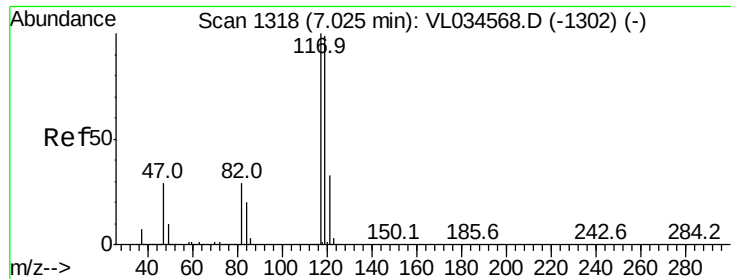
72 21.6 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.415 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

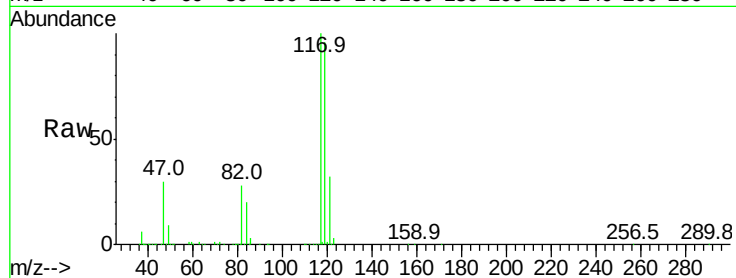
Tgt Ion:117 Resp: 1974617

Ion Ratio Lower Upper

117 100

119 95.7 79.5 119.3

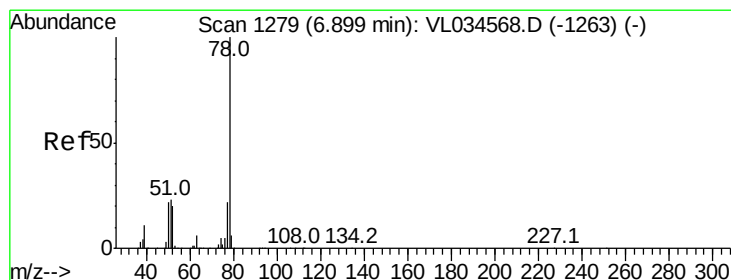
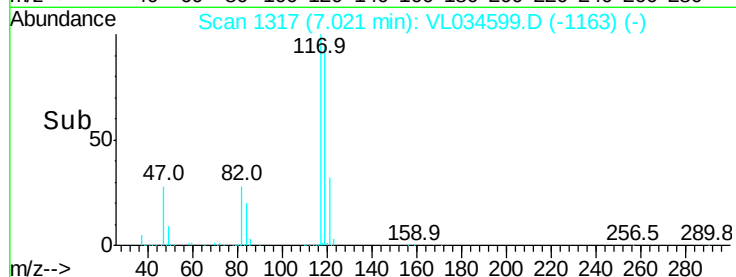
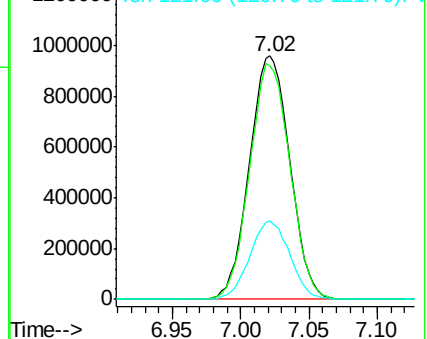
121 32.1 26.2 39.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.616 ppbv

RT: 6.89 min Scan# 1277

Delta R.T. -0.01 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

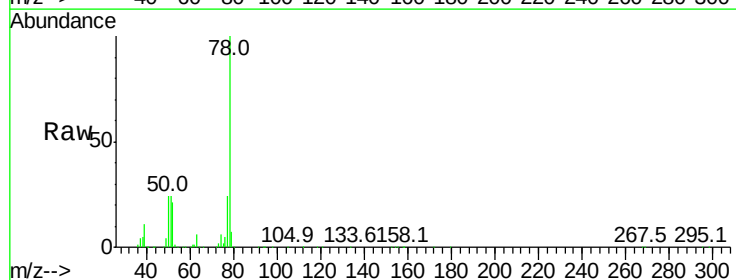
Tgt Ion: 78 Resp: 1876159

Ion Ratio Lower Upper

78 100

77 24.5 17.3 25.9

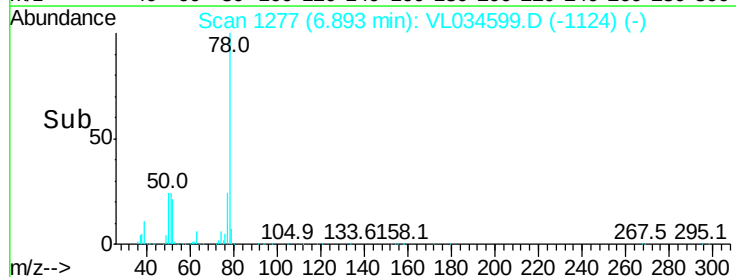
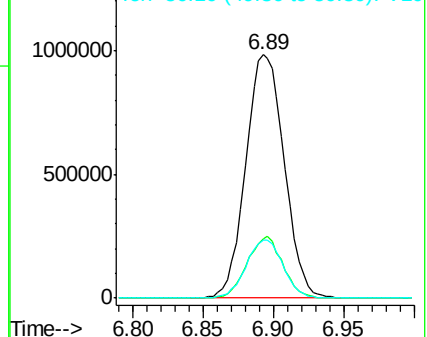
50 24.0 17.4 26.2

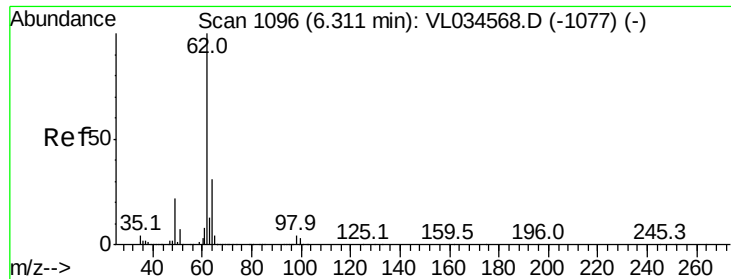


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

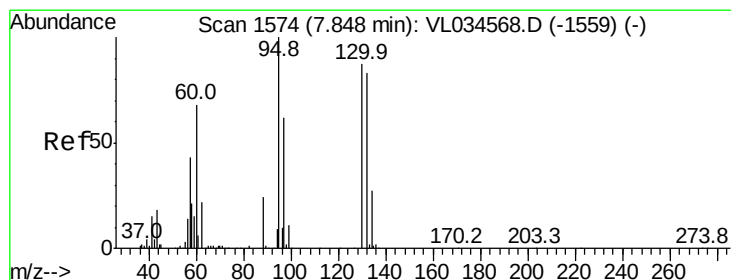
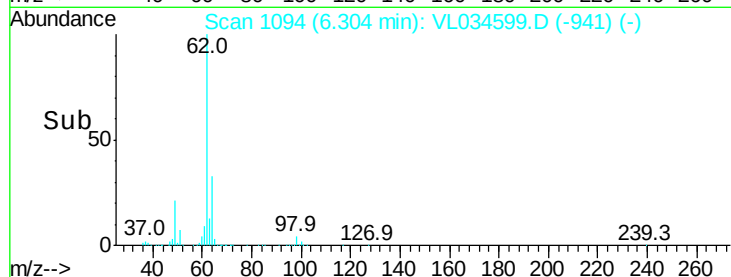
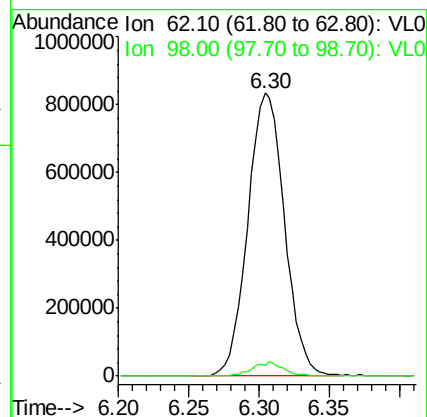
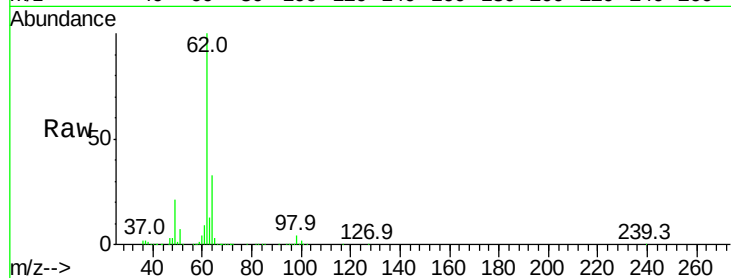




#37
1,2-Dichloroethane
Concen: 9.357 ppbv
RT: 6.30 min Scan# 1094
Delta R.T. -0.01 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

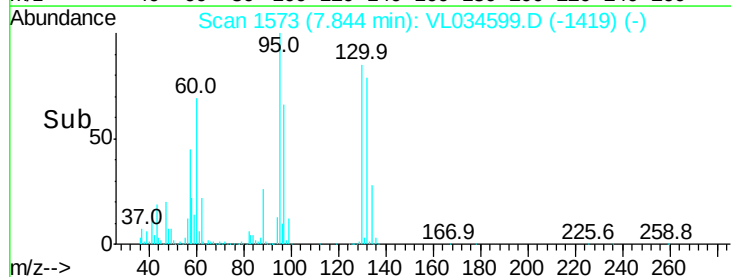
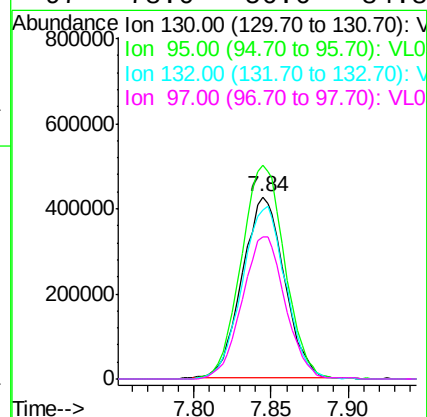
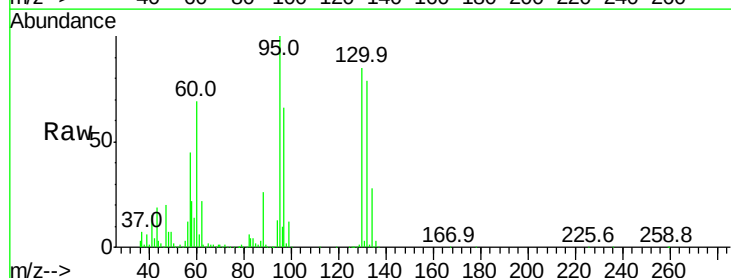
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

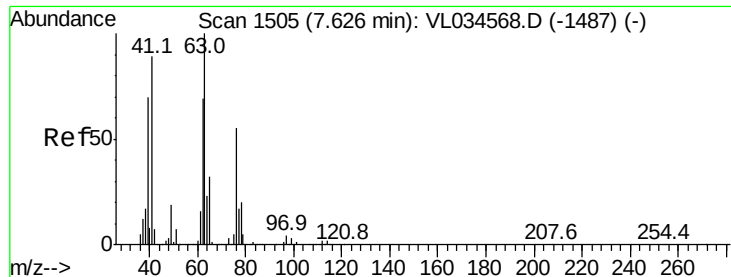
Tgt Ion: 62 Resp: 1523119
Ion Ratio Lower Upper
62 100
98 4.4 3.7 5.5



#38
Trichloroethene
Concen: 9.874 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

Tgt Ion: 130 Resp: 812010
Ion Ratio Lower Upper
130 100
95 117.6 91.6 137.4
132 92.8 76.1 114.1
97 78.0 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.368 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

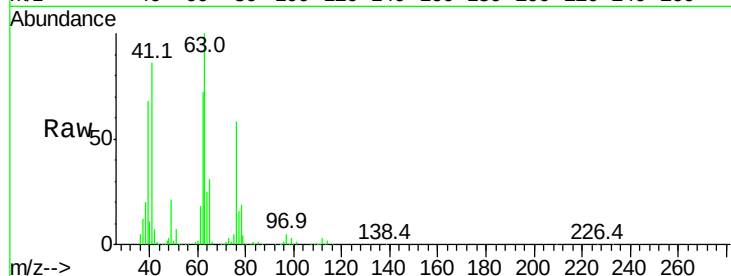
Tgt Ion: 63 Resp: 757649

Ion Ratio Lower Upper

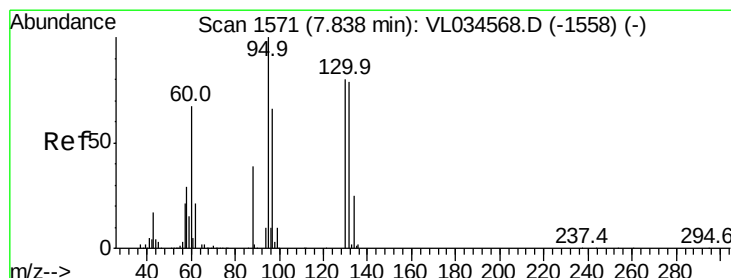
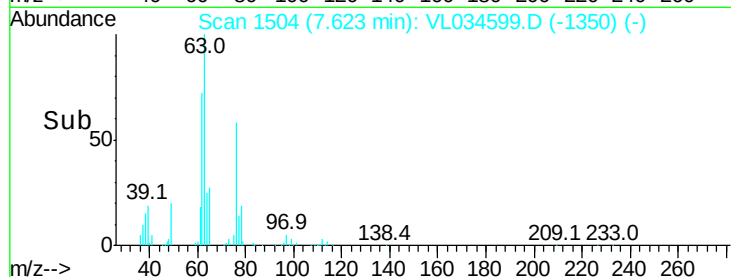
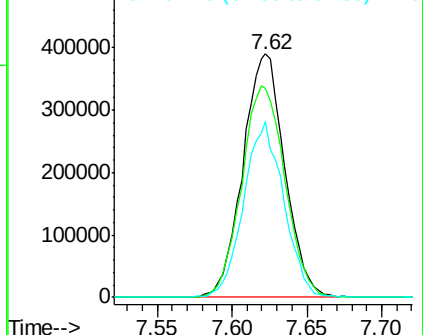
63 100

41 85.8 71.0 106.4

62 72.0 55.4 83.0



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



#40

1,4-Dioxane

Concen: 10.611 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 88 Resp: 329900

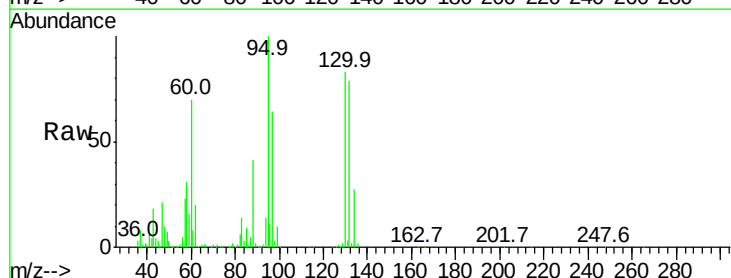
Ion Ratio Lower Upper

88 100

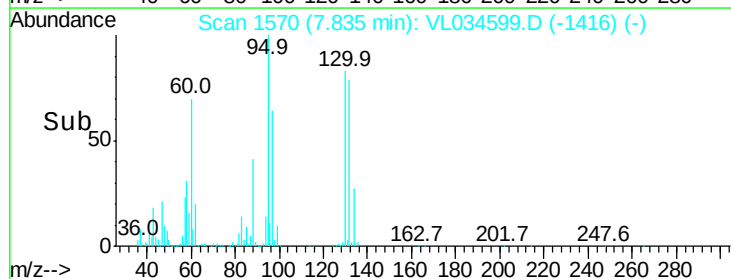
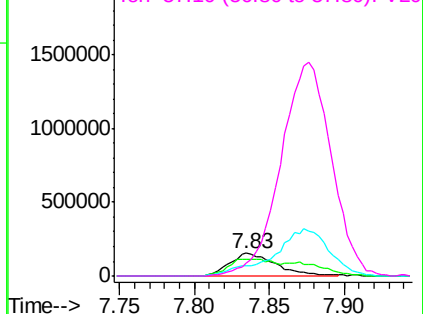
58 129.3 107.8 161.8

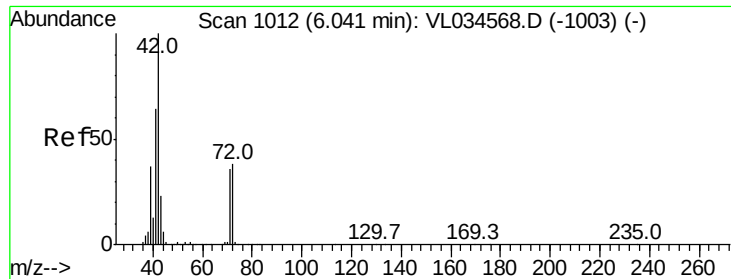
43 250.3 220.9 331.3

57 1031.6 908.6 1363.0



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

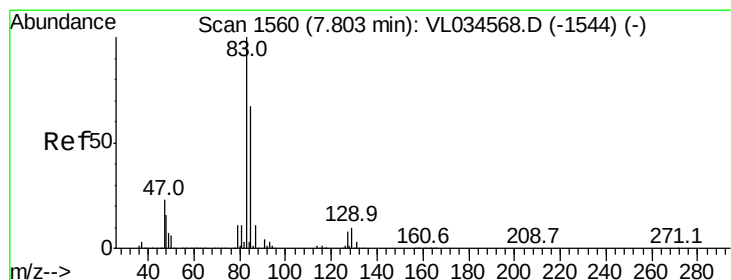
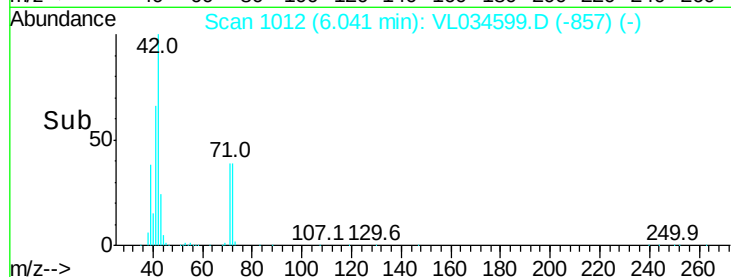
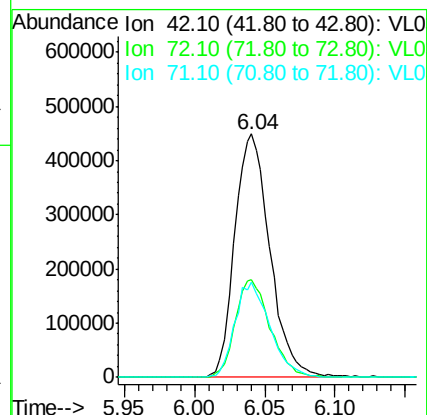
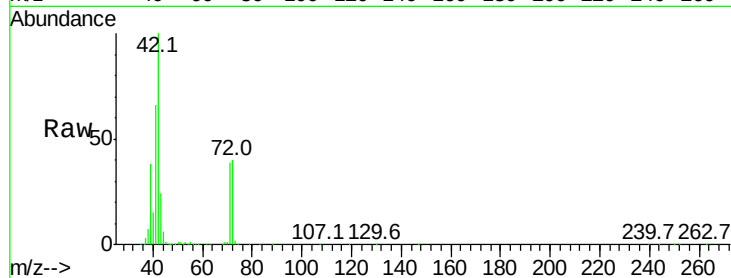




#41
Tetrahydrofuran
Concen: 9.439 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

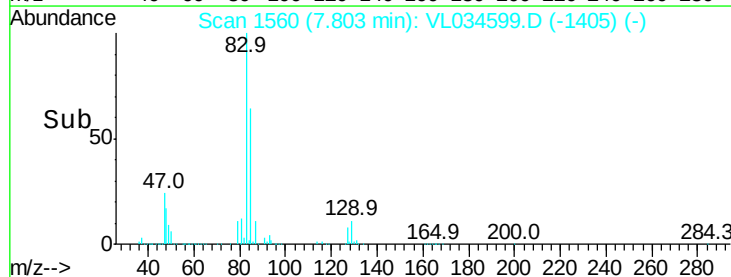
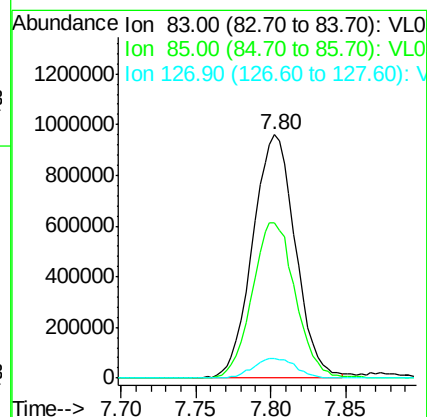
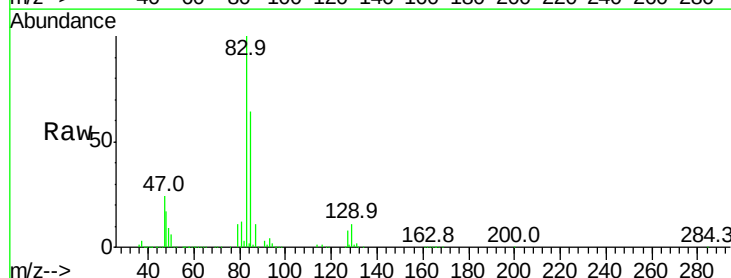
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

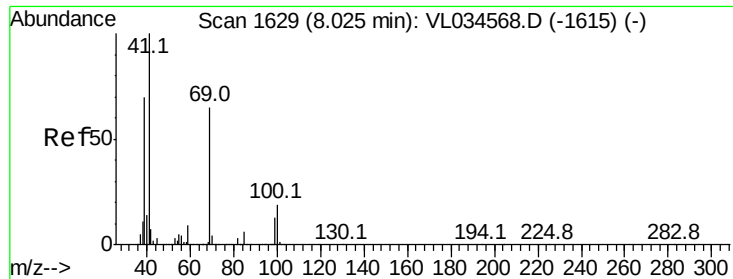
Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.8	47.8
71	39.2	30.2	45.4



#42
Bromodichloromethane
Concen: 9.510 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	53.2	79.8
127	7.8	6.5	9.7





#43

Methyl Methacrylate

Concen: 10.268 ppbv

RT: 8.02 min Scan# 1628

Delta R.T. -0.00 min

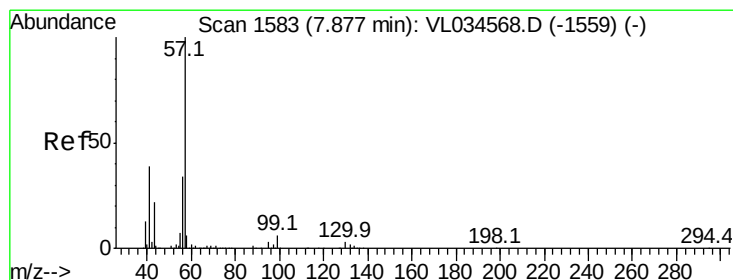
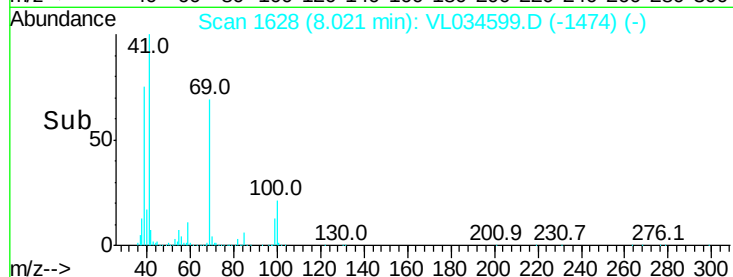
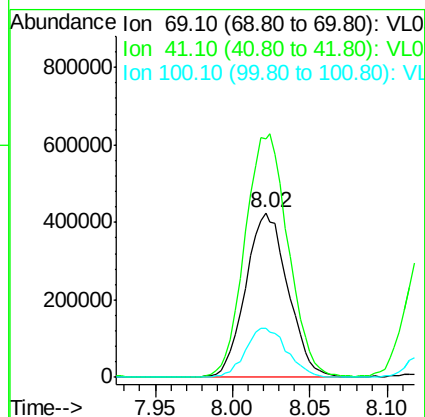
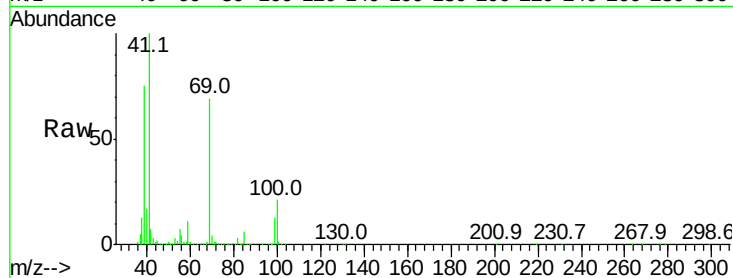
Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 805738

Ion	Ratio	Lower	Upper
69	100		
41	151.3	123.9	185.9
100	29.5	24.1	36.1



#44

2,2,4-Trimethylpentane

Concen: 9.597 ppbv

RT: 7.88 min Scan# 1583

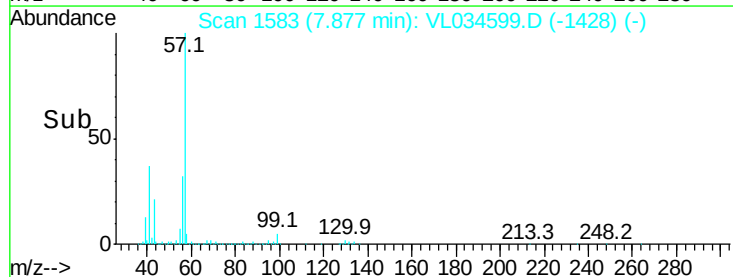
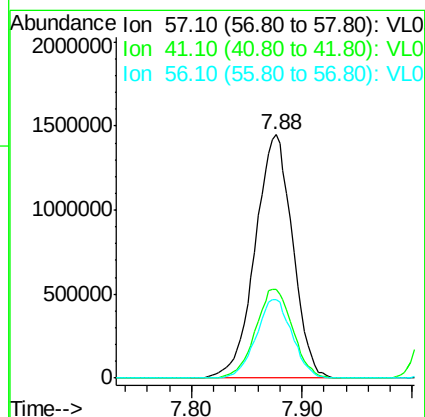
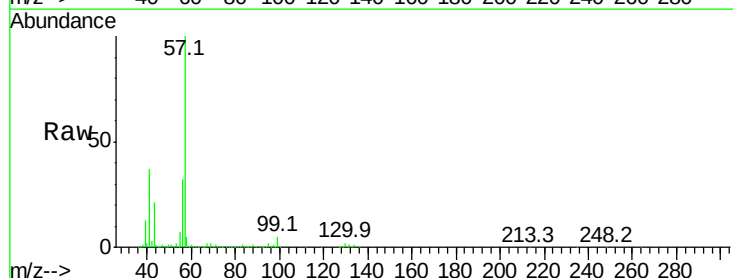
Delta R.T. -0.00 min

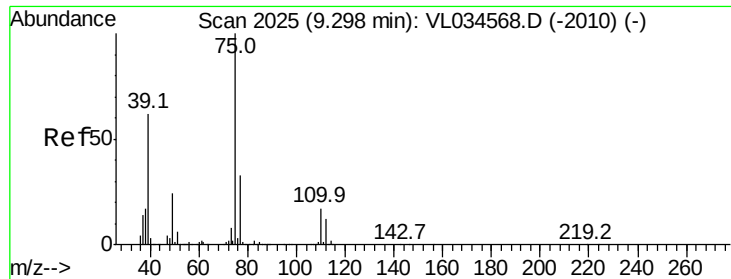
Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 57 Resp: 3397047

Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.9	43.3
56	31.2	25.5	38.3

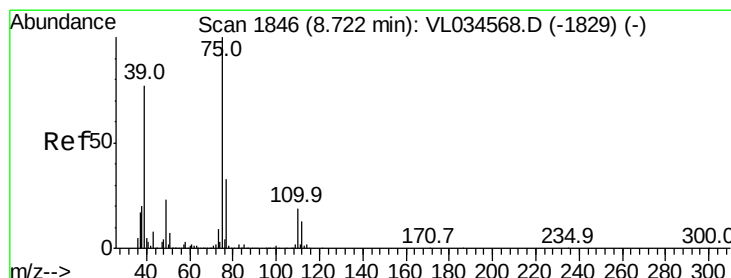
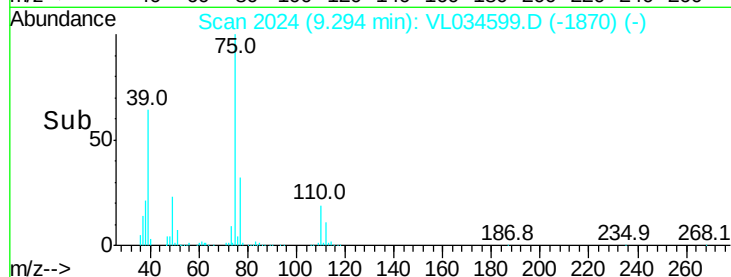
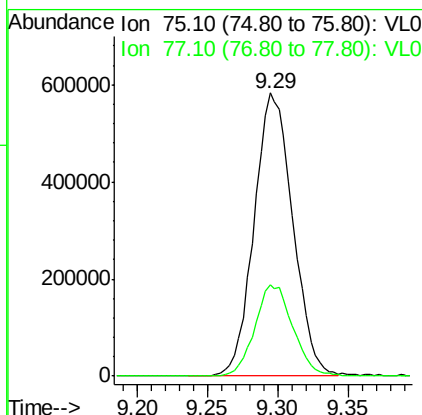
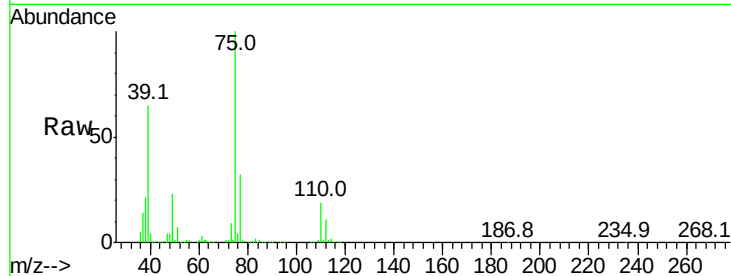




#45
 t-1,3-Dichloropropene
 Concen: 10.871 ppbv
 RT: 9.29 min Scan# 2024
 Delta R.T. -0.00 min
 Lab File: VL034599.D
 Acq: 5 Feb 2020 9:38

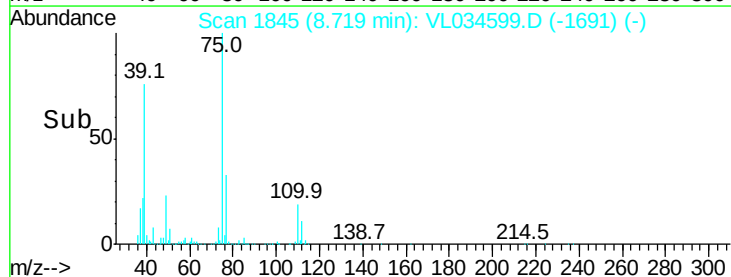
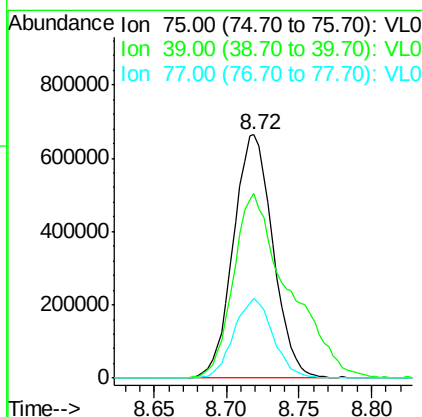
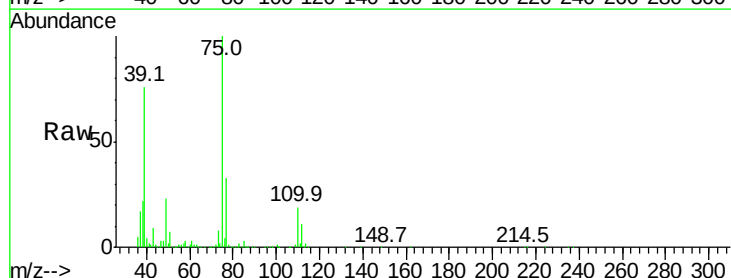
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

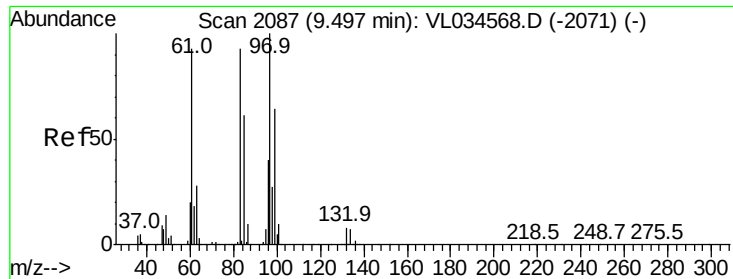
Tgt Ion: 75 Resp: 1117014
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.7 40.1



#46
 cis-1,3-Dichloropropene
 Concen: 10.781 ppbv
 RT: 8.72 min Scan# 1845
 Delta R.T. -0.00 min
 Lab File: VL034599.D
 Acq: 5 Feb 2020 9:38

Tgt Ion: 75 Resp: 1259084
 Ion Ratio Lower Upper
 75 100
 39 75.5 61.9 92.9
 77 32.8 26.1 39.1





#47

1,1,2-Trichloroethane

Concen: 9.357 ppbv

RT: 9.49 min Scan# 2086

Delta R.T. -0.00 min

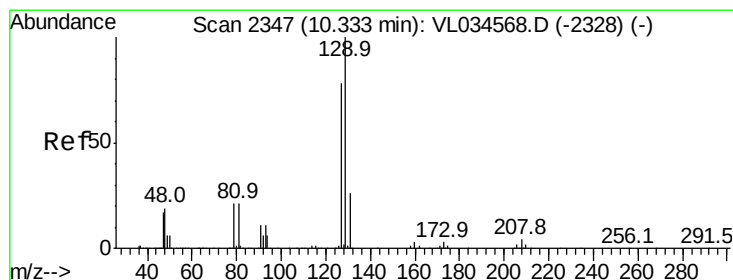
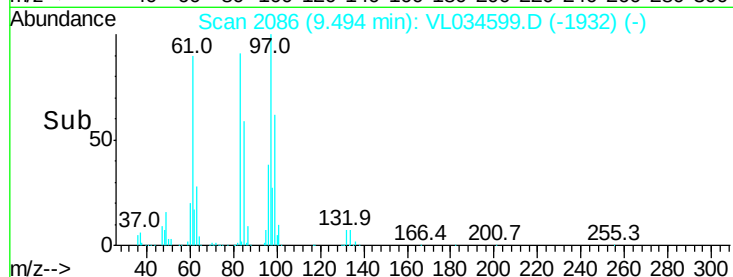
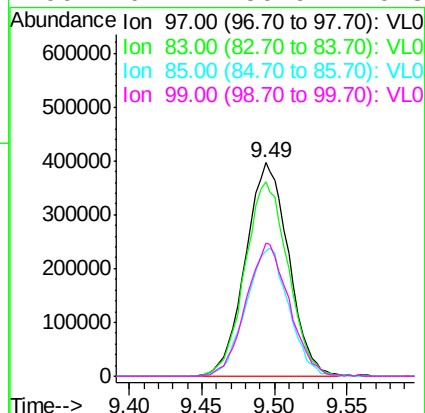
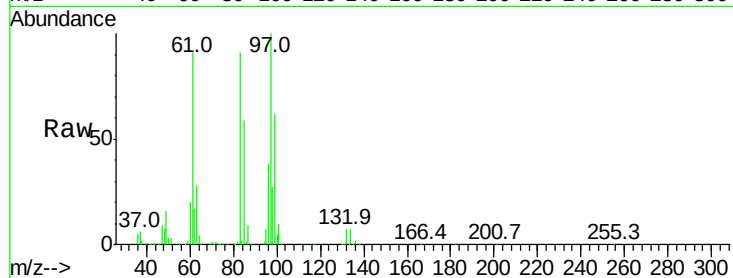
Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 97 Resp: 819664

Ion	Ratio	Lower	Upper
97	100		
83	91.0	74.4	111.6
85	58.7	49.2	73.8
99	62.1	50.9	76.3



#48

Dibromochloromethane

Concen: 9.874 ppbv

RT: 10.33 min Scan# 2346

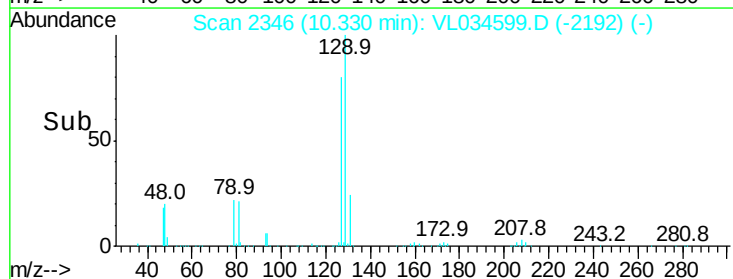
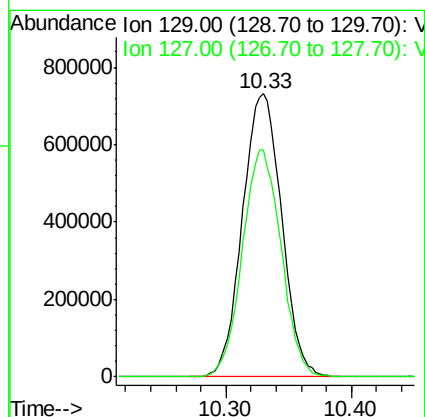
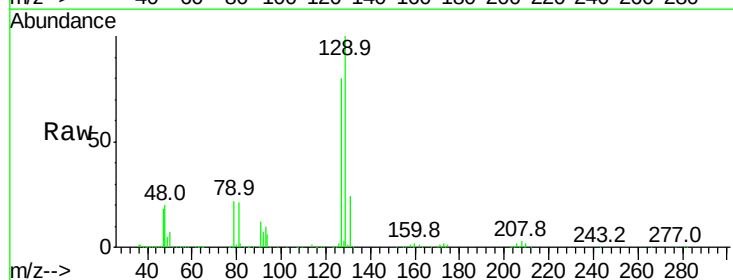
Delta R.T. -0.00 min

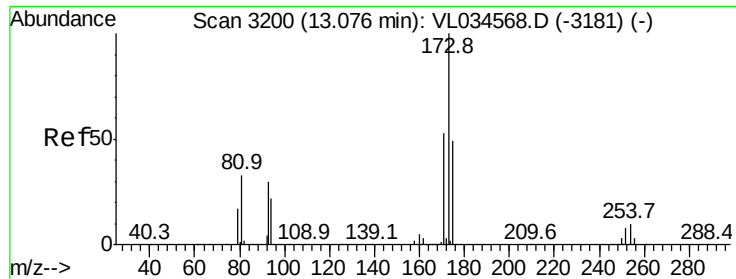
Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 129 Resp: 1584909

Ion	Ratio	Lower	Upper
129	100		
127	79.4	39.1	117.2

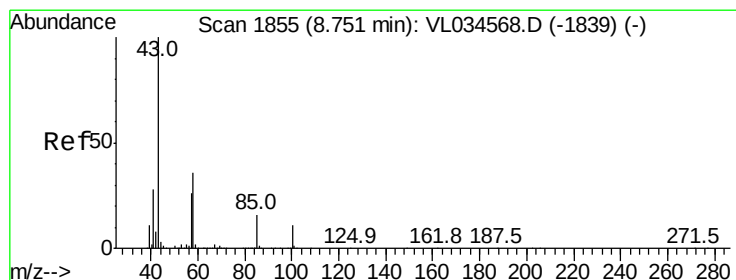
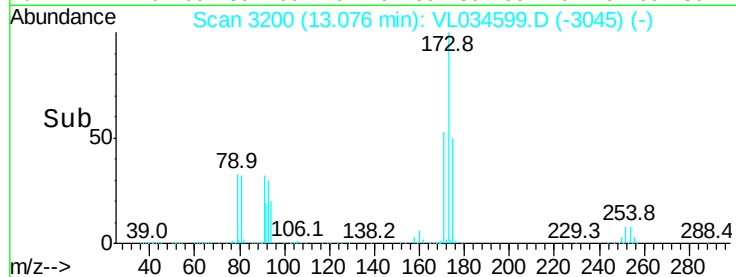
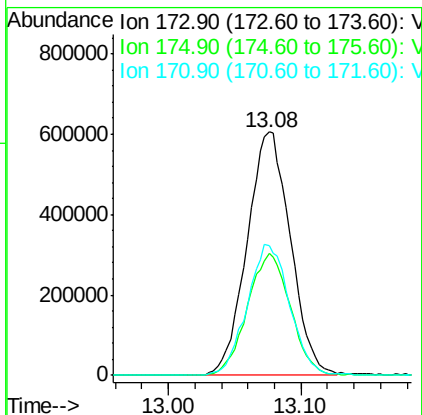
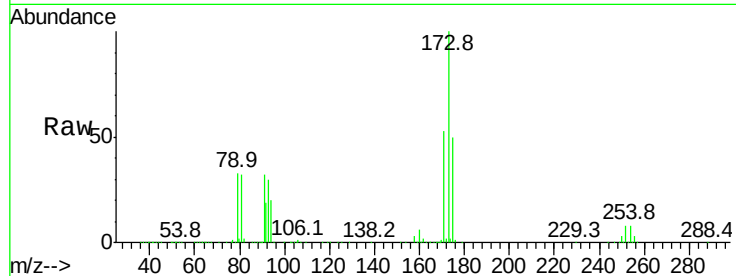




#49
Bromoform
Concen: 9.767 ppbv
RT: 13.08 min Scan# 3200
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

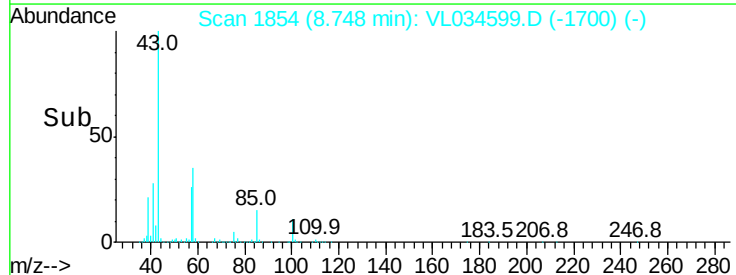
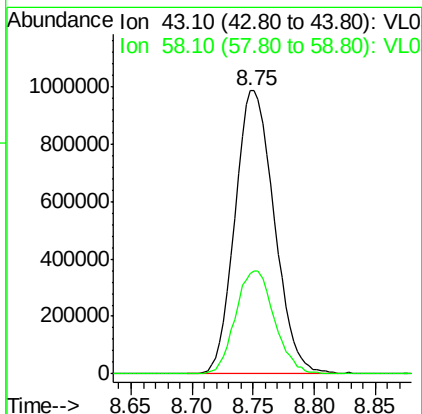
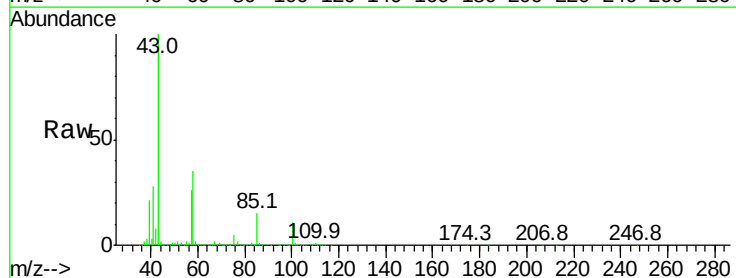
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

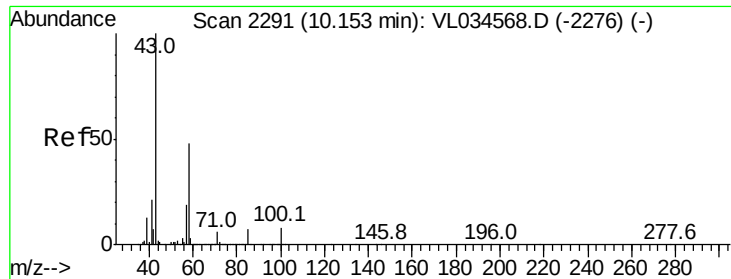
Tgt Ion:173 Resp: 1376461
Ion Ratio Lower Upper
173 100
175 49.7 39.7 59.5
171 52.9 41.6 62.4



#50
4-Methyl-2-Pentanone
Concen: 9.647 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

Tgt Ion: 43 Resp: 2191507
Ion Ratio Lower Upper
43 100
58 36.1 28.6 43.0





#51

2-Hexanone

Concen: 10.069 ppbv

RT: 10.15 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

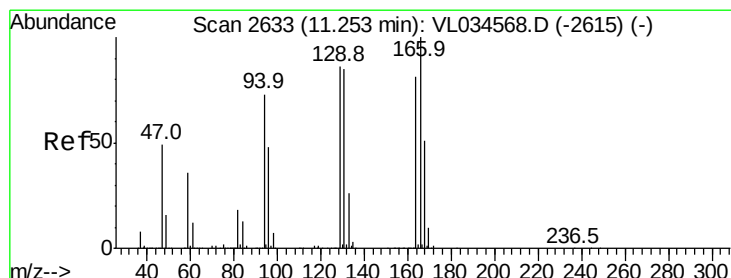
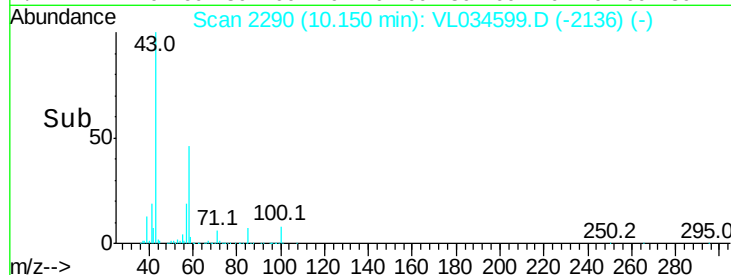
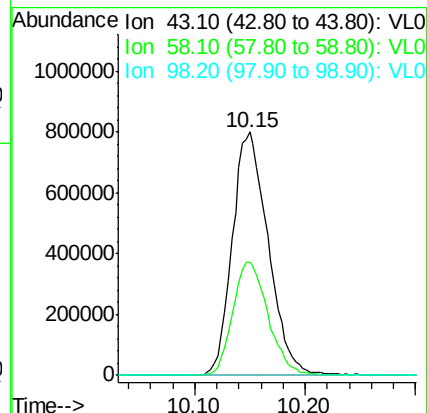
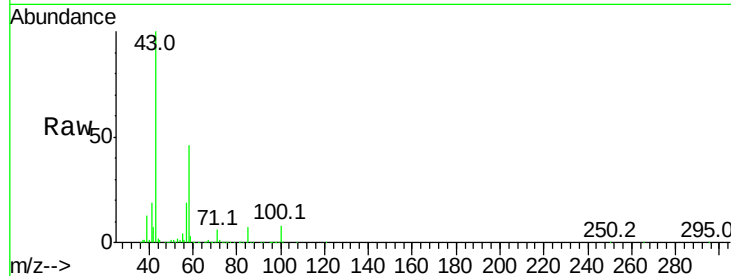
Tgt Ion: 43 Resp: 1800637

Ion Ratio Lower Upper

43 100

58 45.9 37.9 56.9

98 0.3 0.3 0.5#



#52

Tetrachloroethene

Concen: 9.416 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 164 Resp: 737977

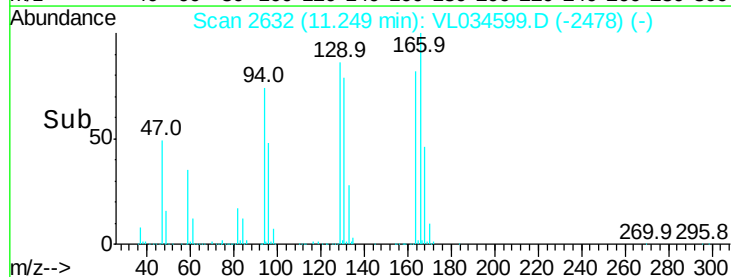
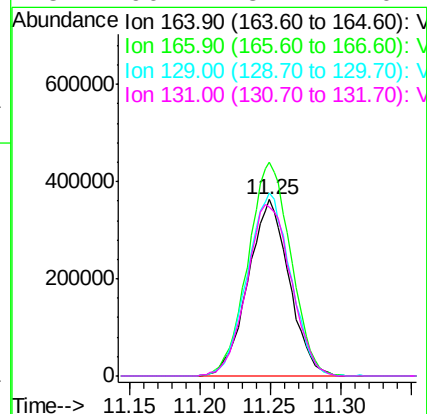
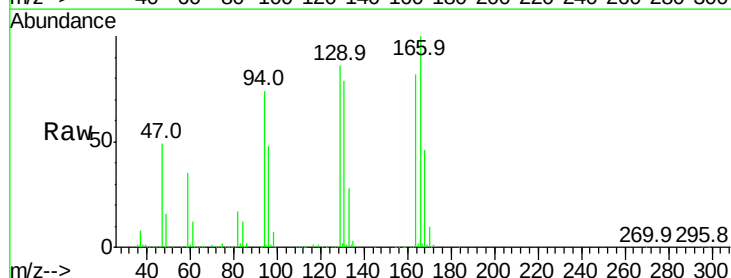
Ion Ratio Lower Upper

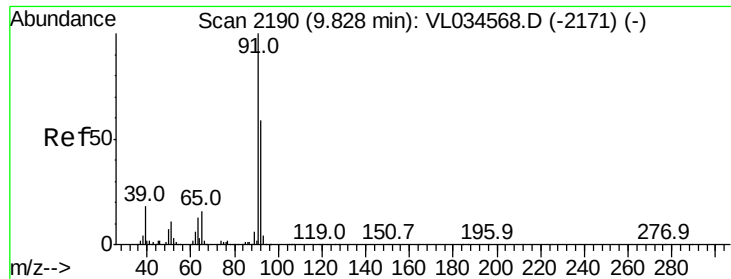
164 100

166 121.2 99.0 148.4

129 103.8 85.3 127.9

131 96.1 84.2 126.2





#53

Toluene

Concen: 10.207 ppbv

RT: 9.82 min Scan# 2189

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

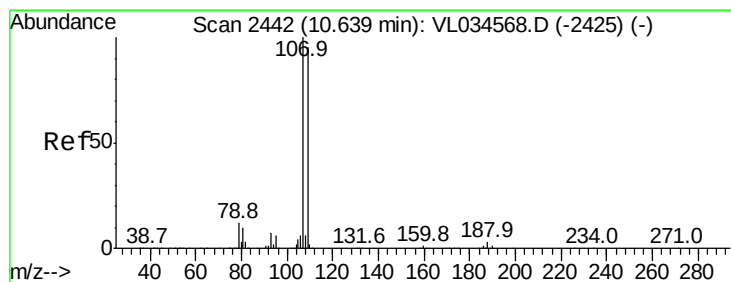
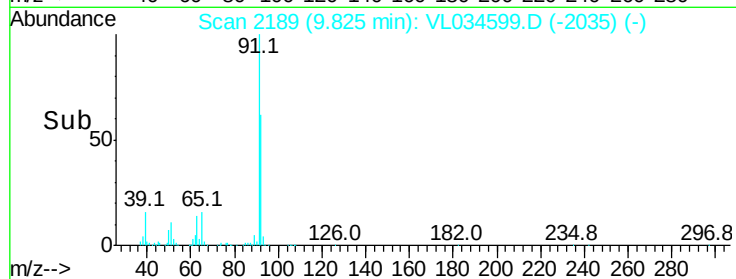
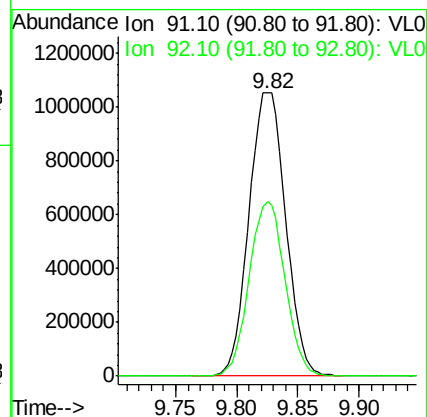
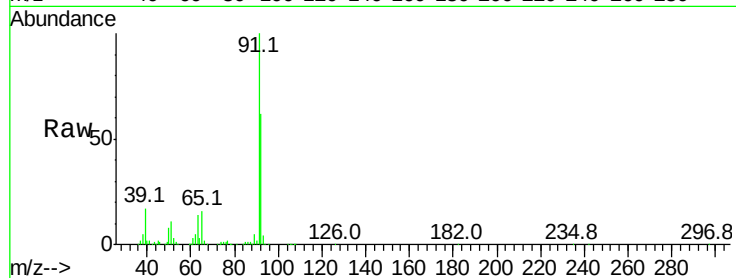
VSTDCCC010EC

Tgt Ion: 91 Resp: 2187490

Ion Ratio Lower Upper

91 100

92 60.1 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.443 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL034599.D

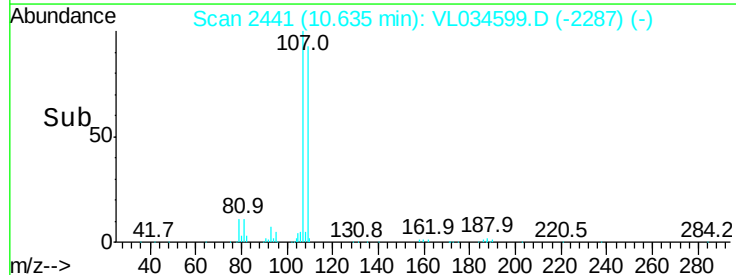
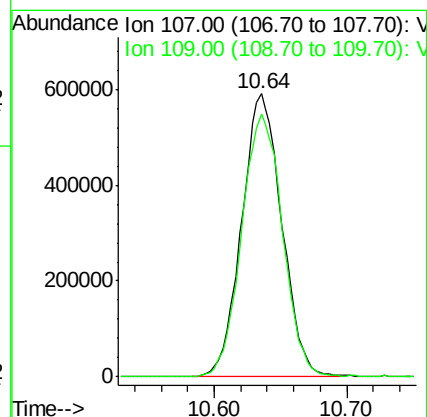
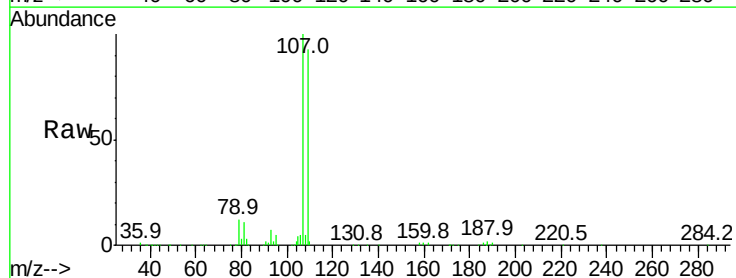
Acq: 5 Feb 2020 9:38

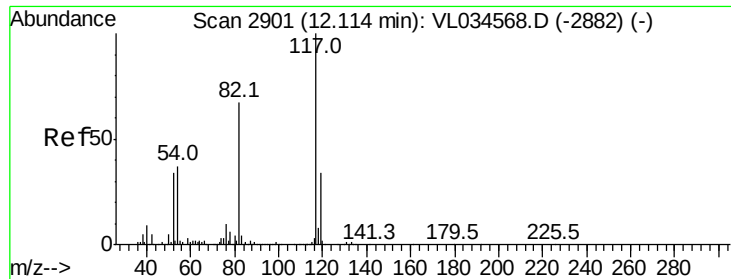
Tgt Ion: 107 Resp: 1239531

Ion Ratio Lower Upper

107 100

109 92.9 75.9 113.9

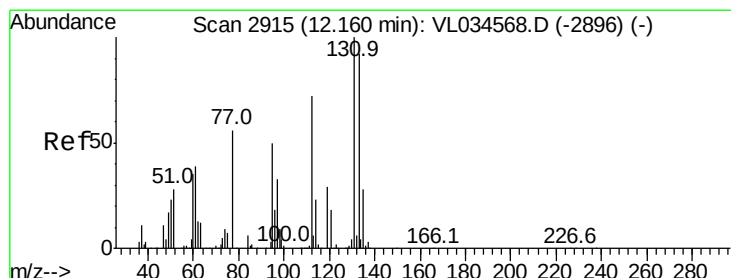
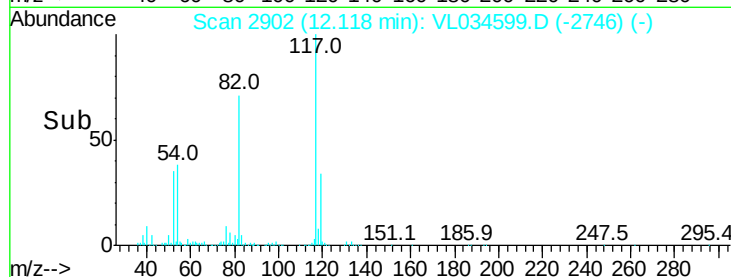
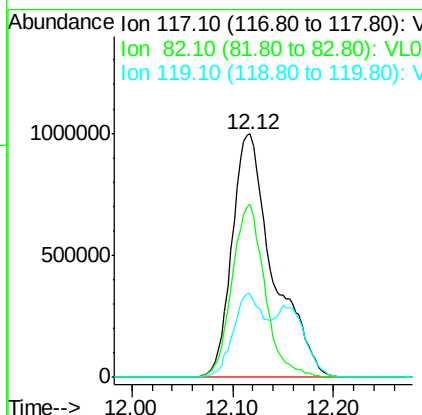
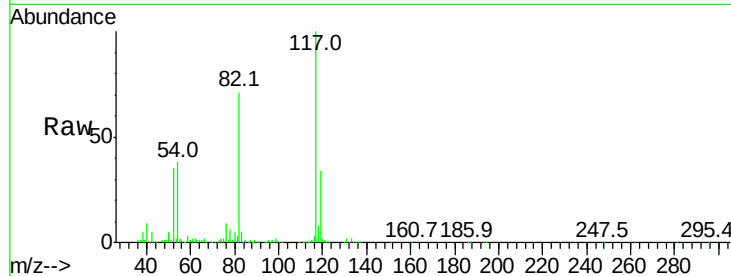




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

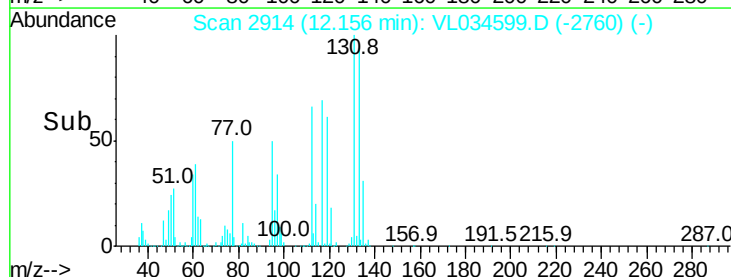
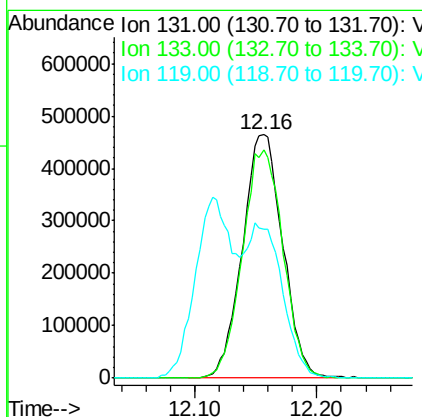
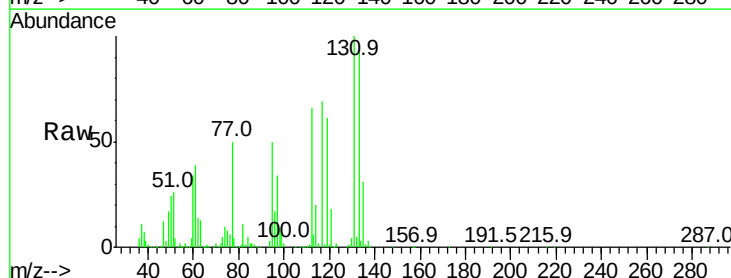
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

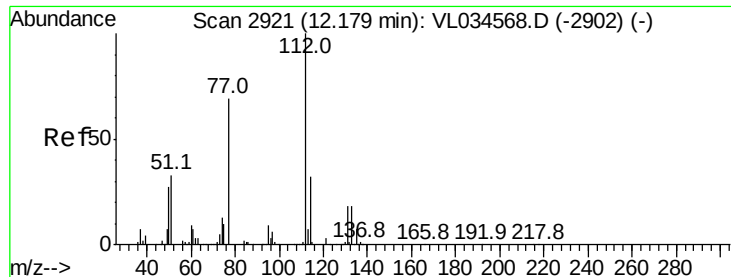
Tgt Ion:117 Resp: 2830187
Ion Ratio Lower Upper
117 100
82 56.8 54.2 81.4
119 27.8 26.1 39.1



#56
1,1,1,2-Tetrachloroethane
Concen: 7.577 ppbv
RT: 12.16 min Scan# 2914
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

Tgt Ion:131 Resp: 1058678
Ion Ratio Lower Upper
131 100
133 94.8 75.8 113.8
119 62.7 47.0 70.6

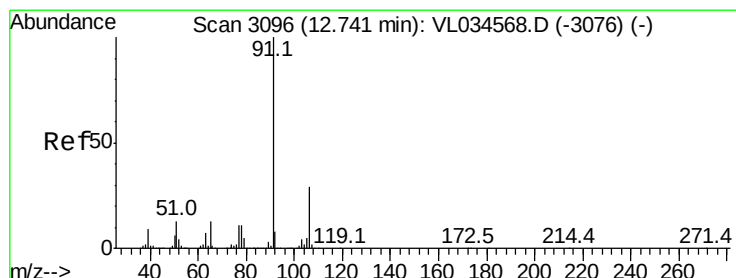
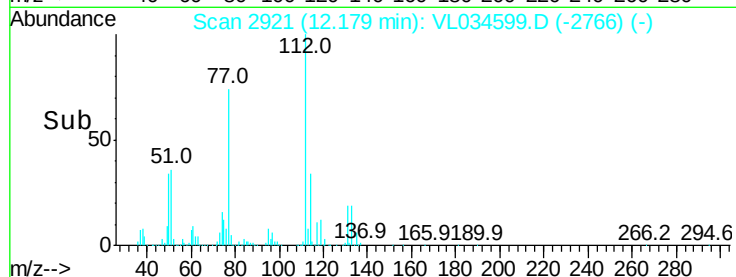
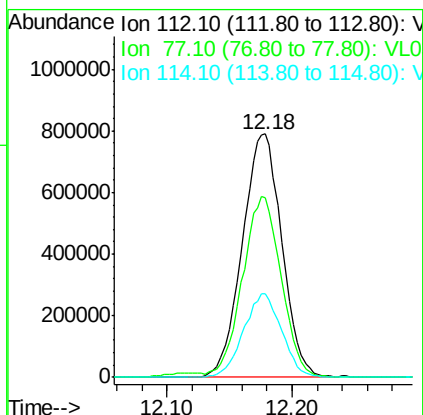
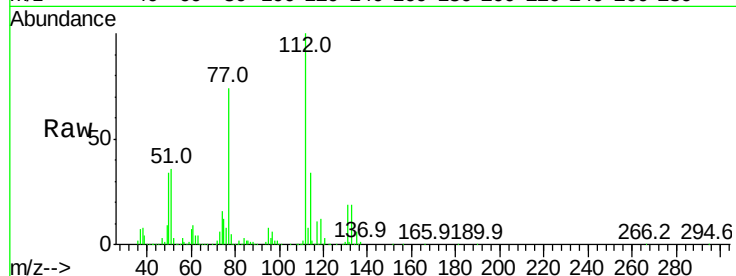




#57
Chlorobenzene
Concen: 7.432 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

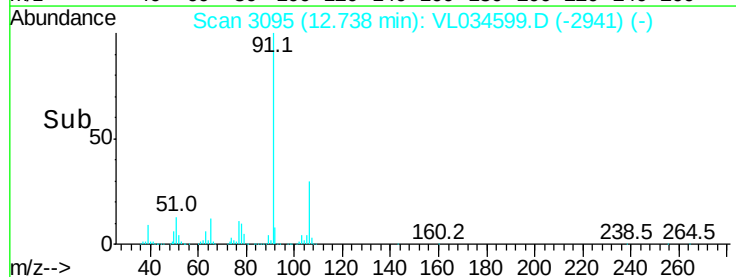
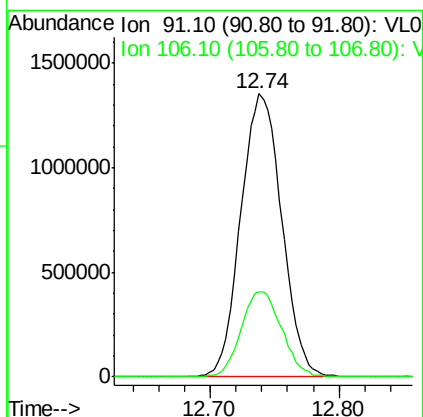
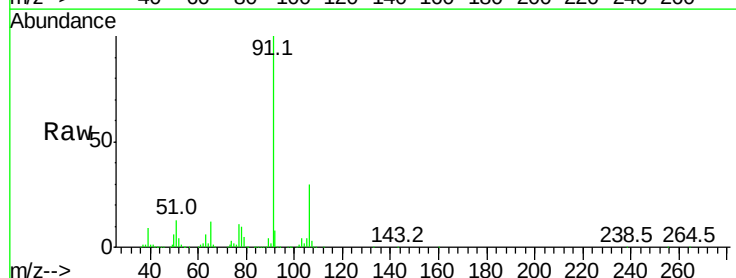
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

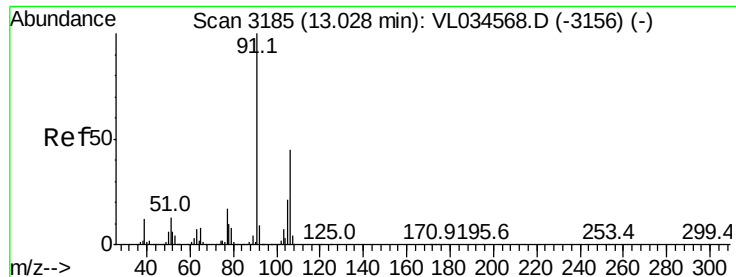
Tgt Ion: 112 Resp: 1730723
Ion Ratio Lower Upper
112 100
77 73.7 56.5 84.7
114 34.1 29.2 35.6



#58
Ethyl Benzene
Concen: 7.899 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

Tgt Ion: 91 Resp: 2991353
Ion Ratio Lower Upper
91 100
106 29.9 23.3 34.9

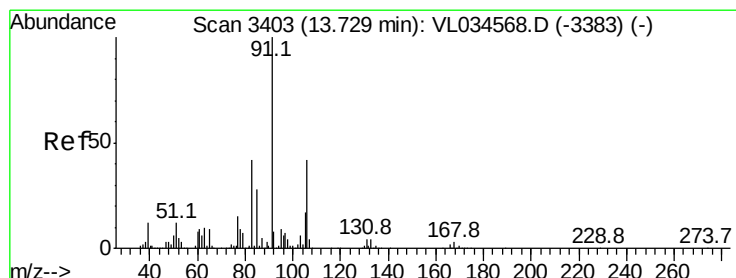
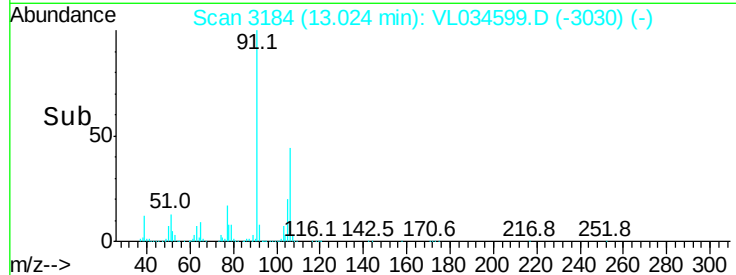
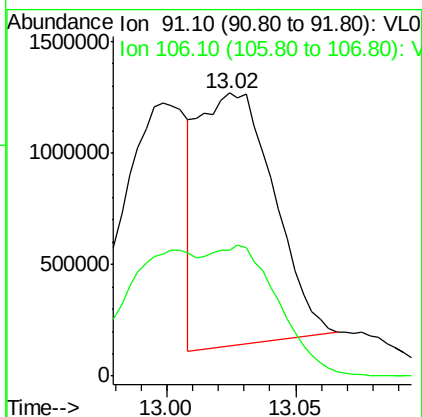
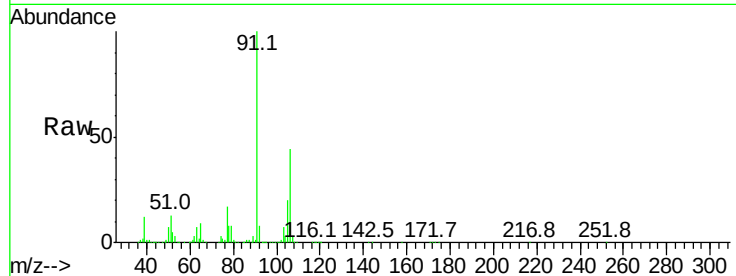




#59
m/p-Xylene
Concen: 6.863 ppbv
RT: 13.02 min Scan# 3184
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

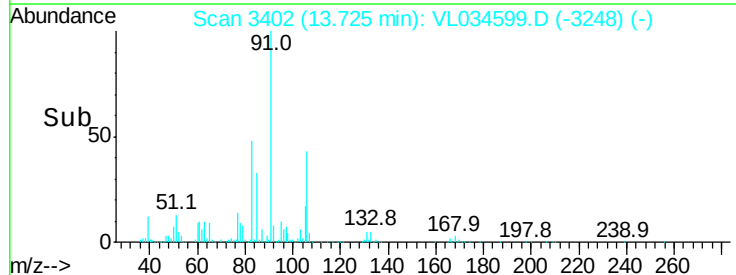
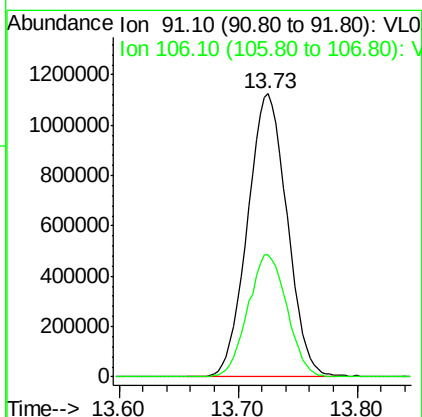
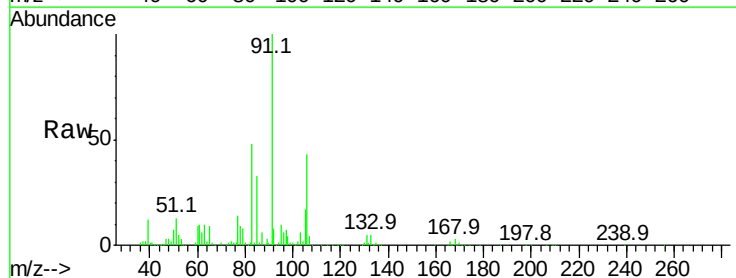
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

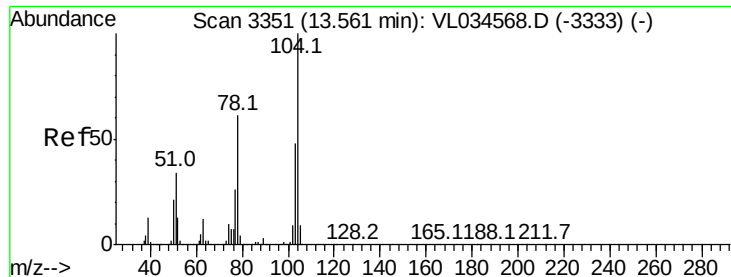
Tgt Ion: 91 Resp: 2297723
Ion Ratio Lower Upper
91 100
106 98.3 35.3 52.9#



#60
o-Xylene
Concen: 7.689 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. -0.00 min
Lab File: VL034599.D
Acq: 5 Feb 2020 9:38

Tgt Ion: 91 Resp: 2585065
Ion Ratio Lower Upper
91 100
106 42.9 21.6 65.0





#61

Styrene

Concen: 8.246 ppbv

RT: 13.56 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

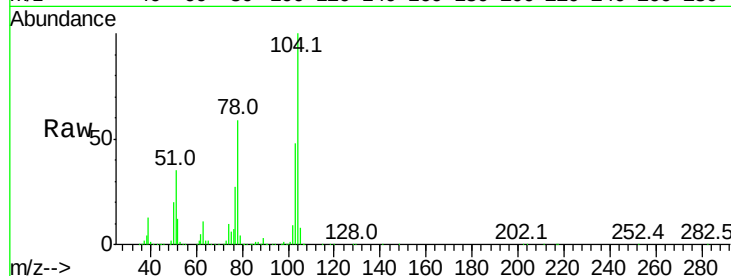
Tgt Ion:104 Resp: 1848596

Ion Ratio Lower Upper

104 100

78 60.2 47.0 70.6

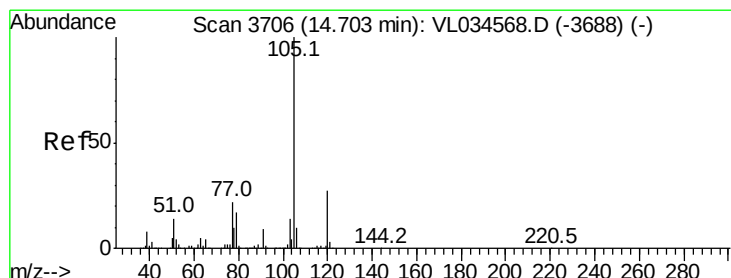
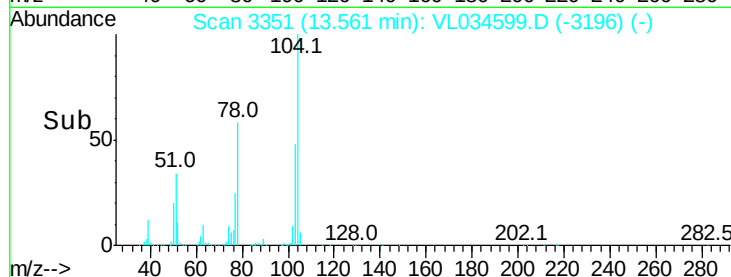
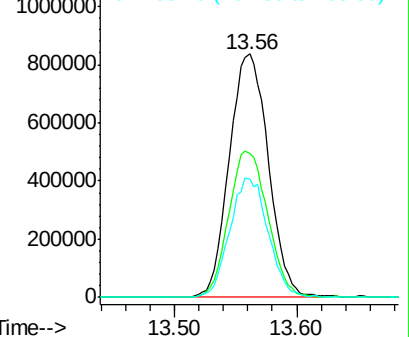
103 48.1 38.5 57.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.584 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.00 min

Lab File: VL034599.D

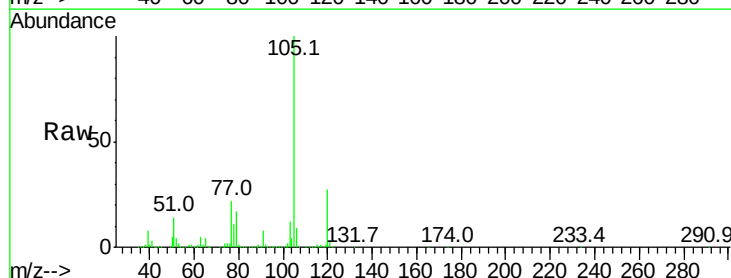
Acq: 5 Feb 2020 9:38

Tgt Ion:105 Resp: 3304295

Ion Ratio Lower Upper

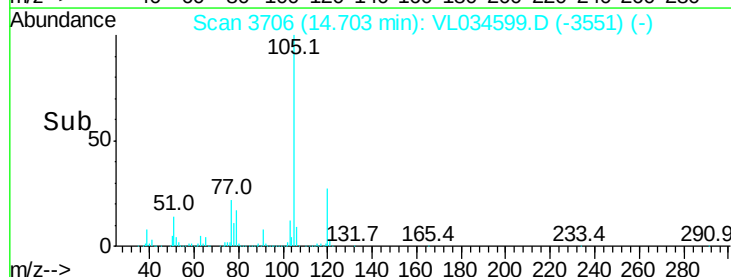
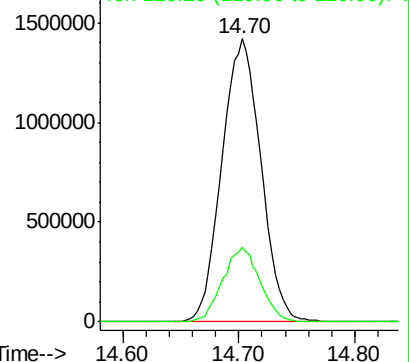
105 100

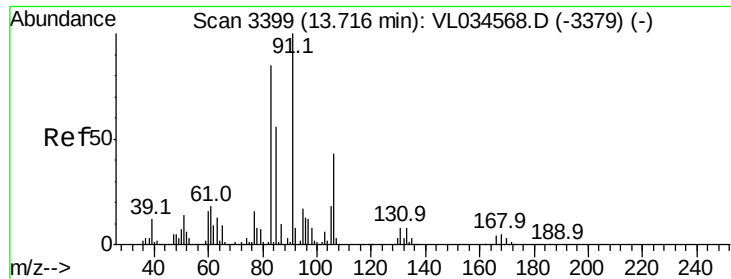
120 25.3 20.7 31.1



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: 6.832 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

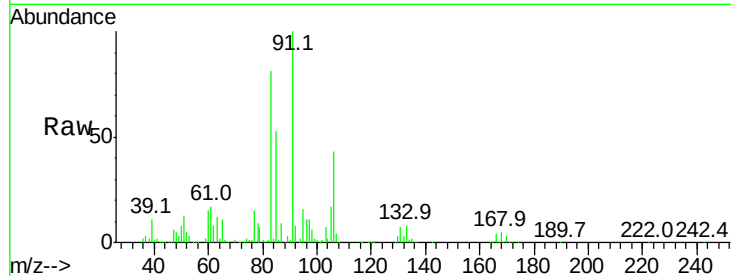
Tgt Ion: 83 Resp: 1776626

Ion Ratio Lower Upper

83 100

131 9.8 4.9 14.6

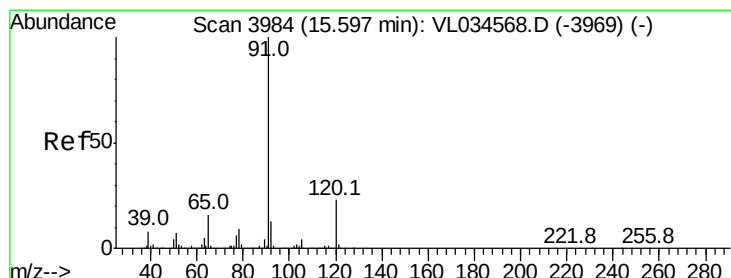
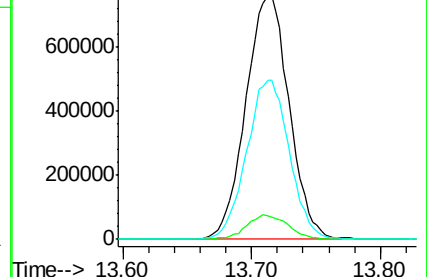
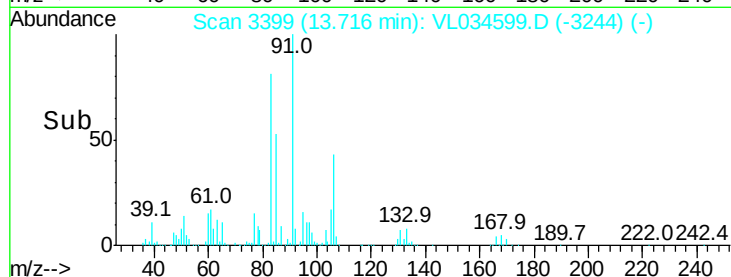
85 64.7 32.6 98.0



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 7.659 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VL034599.D

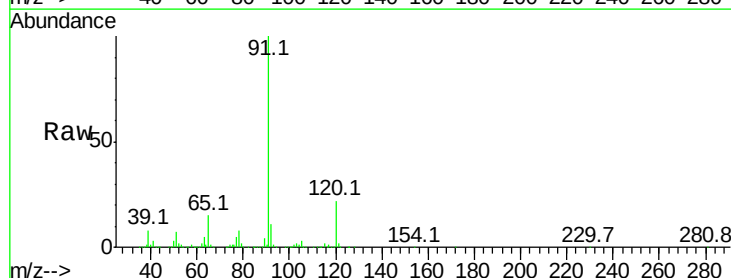
Acq: 5 Feb 2020 9:38

Tgt Ion: 120 Resp: 858482

Ion Ratio Lower Upper

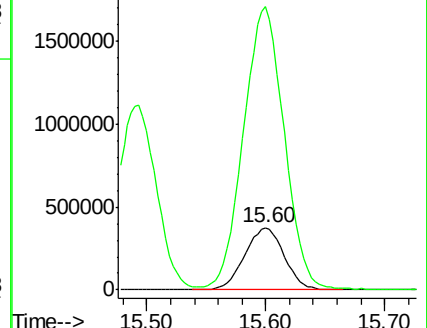
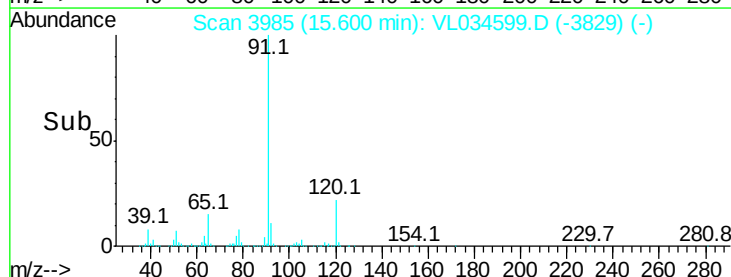
120 100

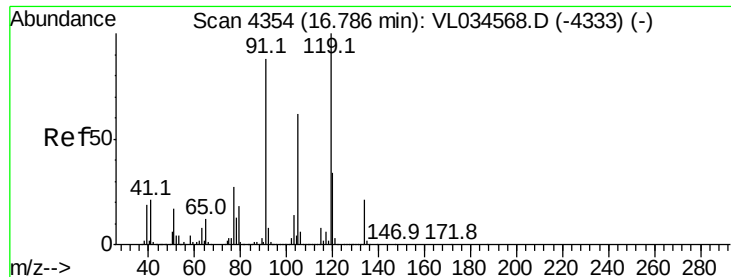
91 473.0 365.3 547.9



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 7.709 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

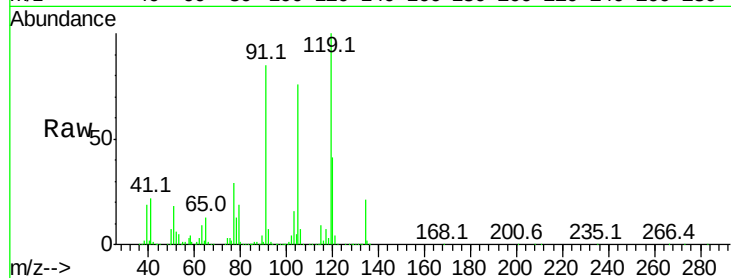
Tgt Ion: 119 Resp: 3043083

Ion Ratio Lower Upper

119 100

91 91.0 72.2 108.4

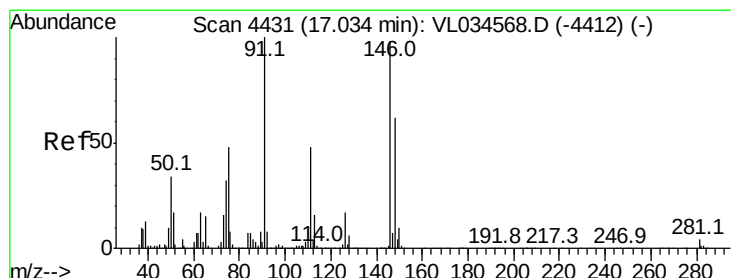
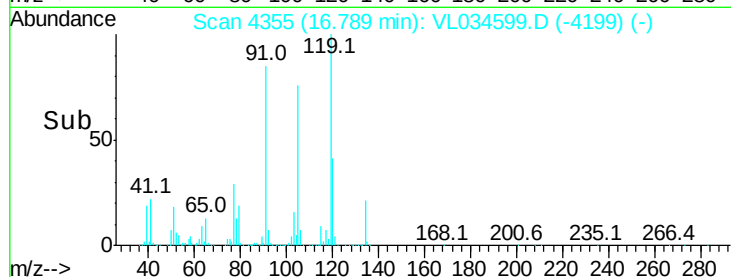
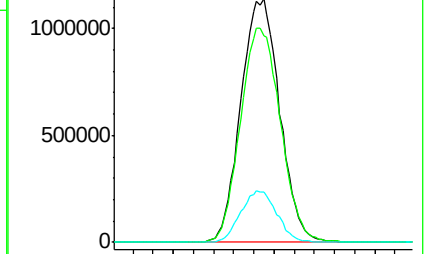
134 19.7 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.843 ppbv

RT: 17.03 min Scan# 4430

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

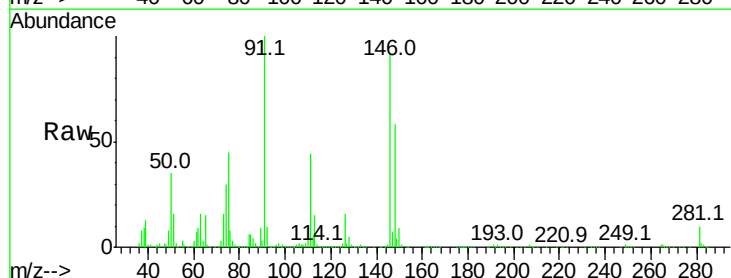
Tgt Ion: 91 Resp: 1463667

Ion Ratio Lower Upper

91 100

126 16.3 13.4 20.0

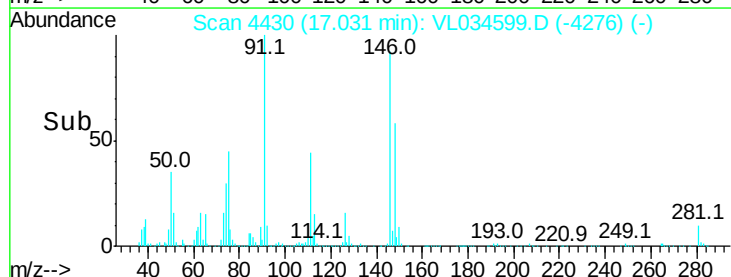
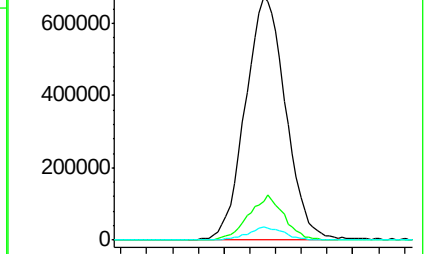
128 5.0 4.3 6.5

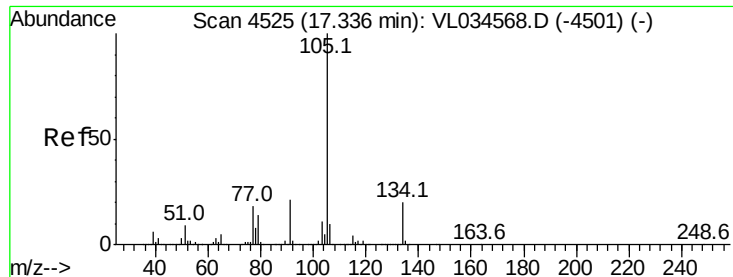


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.730 ppbv

RT: 17.34 min Scan# 4525

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

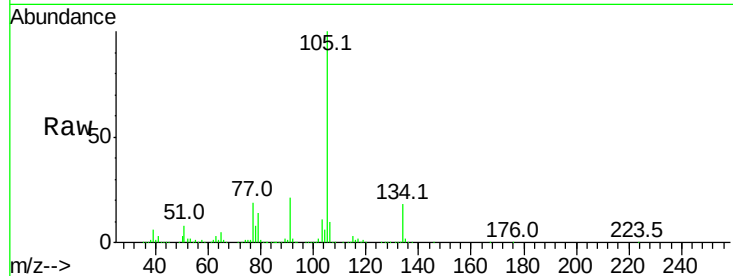
VSTDCCC010EC

Tgt Ion:105 Resp: 4193344

Ion Ratio Lower Upper

105 100

134 18.7 15.5 23.3



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.34

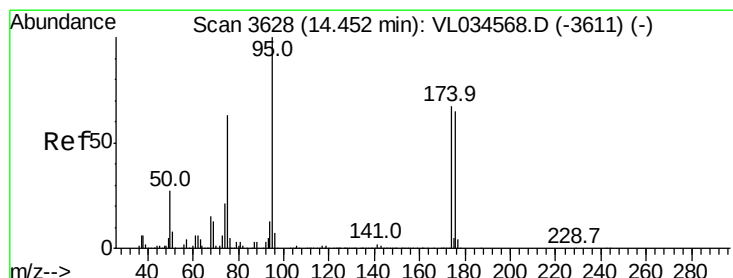
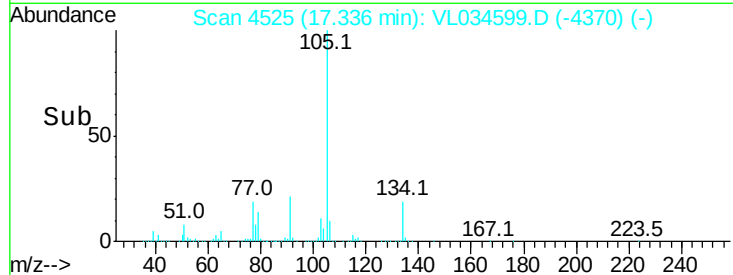
1500000

1000000

500000

0

Time--> 17.20 17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 8.225 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

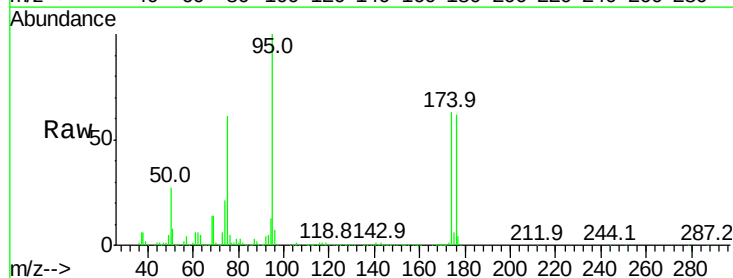
Tgt Ion: 95 Resp: 1967304

Ion Ratio Lower Upper

95 100

174 65.0 52.3 78.5

175 4.8 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

1200000

1000000

800000

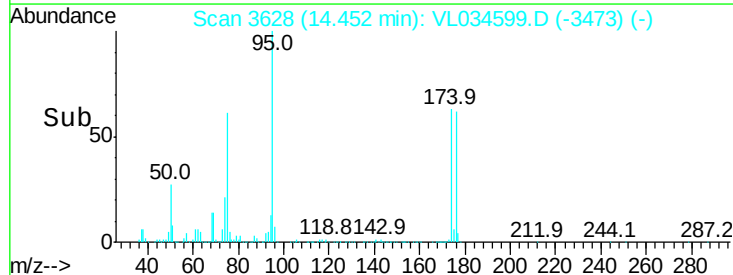
600000

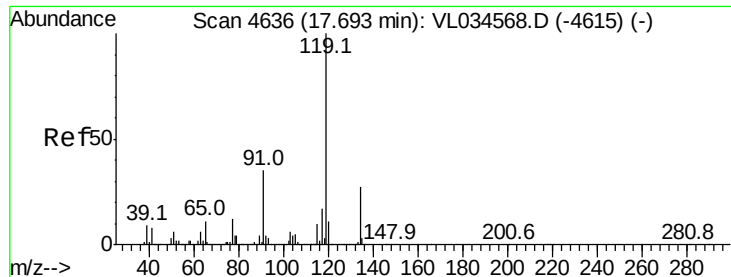
400000

200000

0

Time--> 14.40 14.50





#69

p-Isopropyltoluene

Concen: 8.099 ppbv

RT: 17.70 min Scan# 4637

Delta R.T. 0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

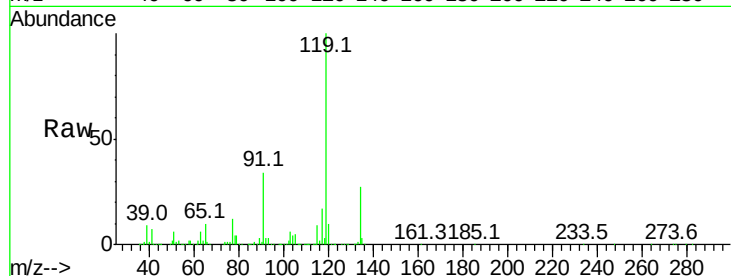
MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 119 Resp: 3567282

Ion	Ratio	Lower	Upper
119	100		
134	25.8	20.7	31.1
91	33.9	26.9	40.3

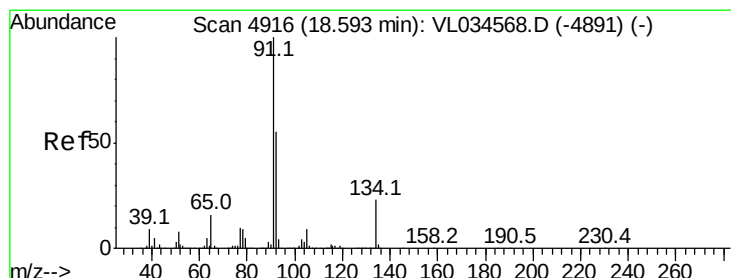
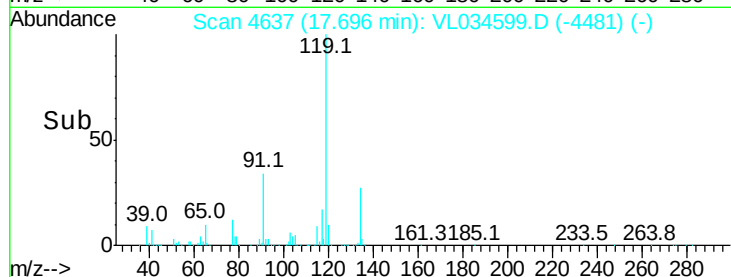
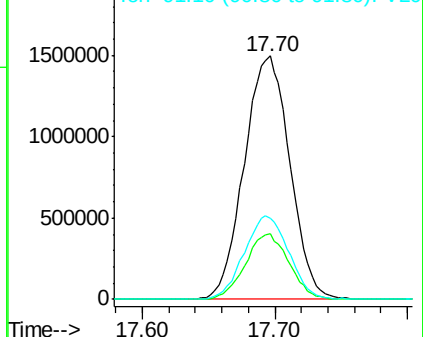


Abundance

Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.295 ppbv

RT: 18.59 min Scan# 4916

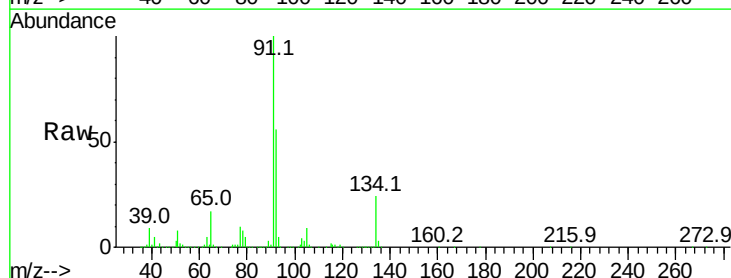
Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 91 Resp: 3878255

Ion	Ratio	Lower	Upper
91	100		
92	54.5	43.6	65.4
134	22.7	18.2	27.4

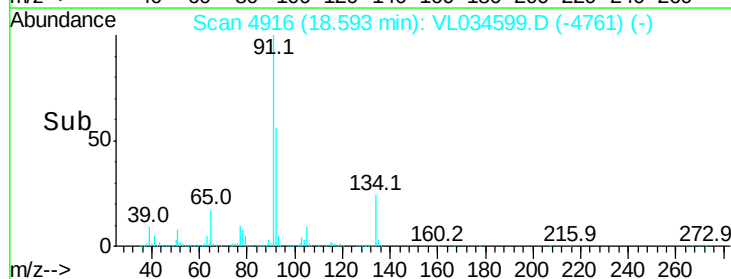
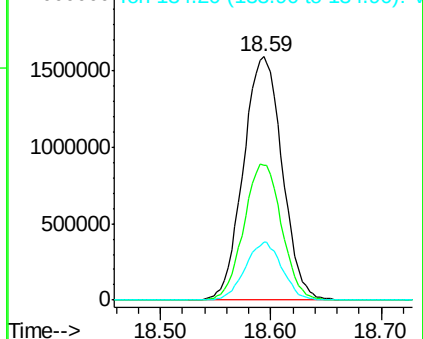


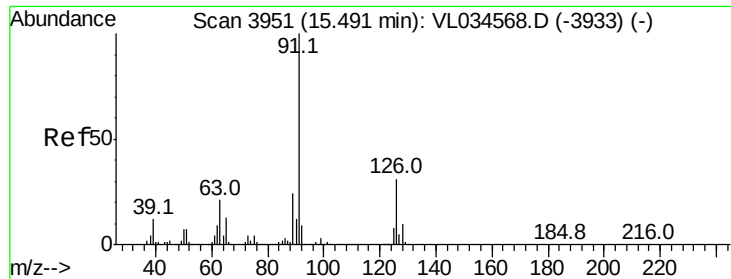
Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 7.786 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

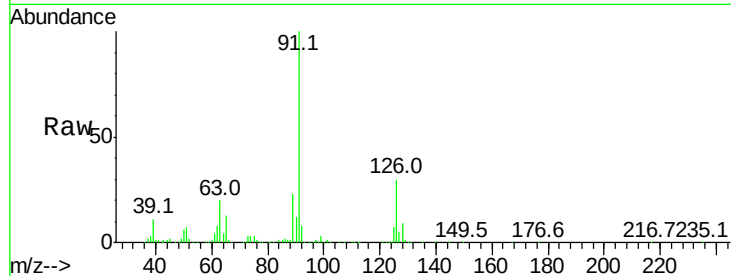
VSTDCCC010EC

Tgt Ion: 91 Resp: 2574837

Ion Ratio Lower Upper

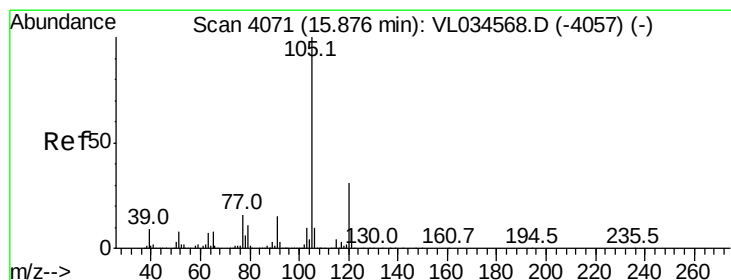
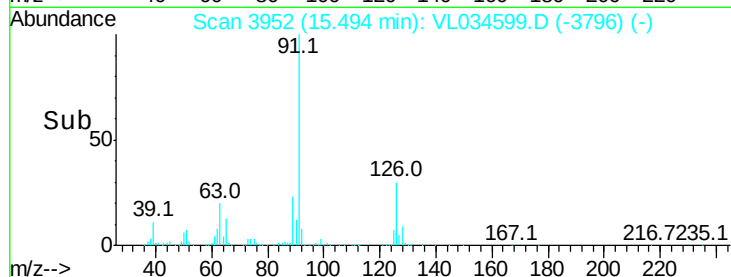
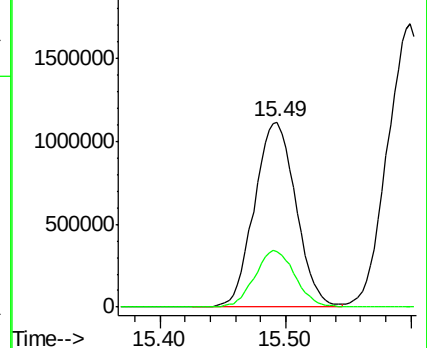
91 100

126 29.9 12.0 47.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 7.799 ppbv

RT: 15.88 min Scan# 4071

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion: 105 Resp: 2880330

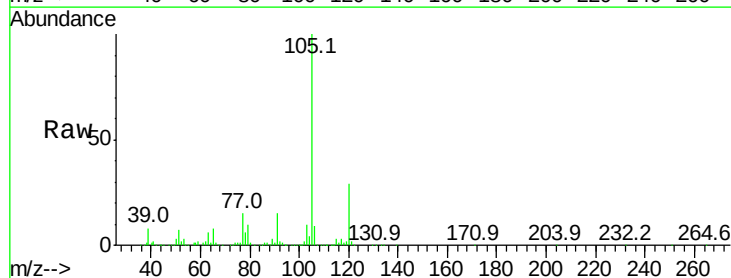
Ion Ratio Lower Upper

105 100

120 30.3 23.8 35.6

91 14.5 11.8 17.8

77 16.6 13.0 19.6

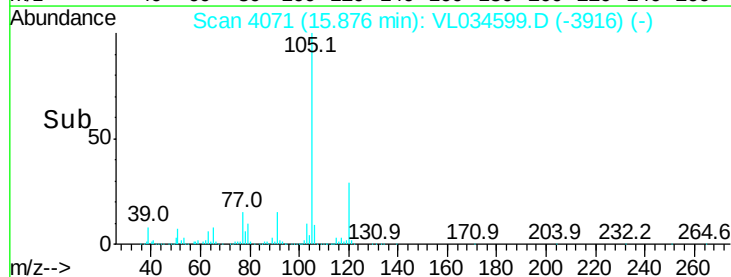
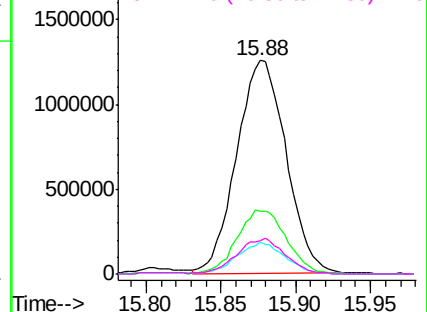


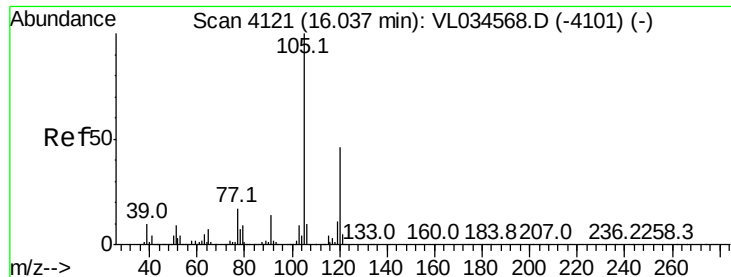
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.860 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

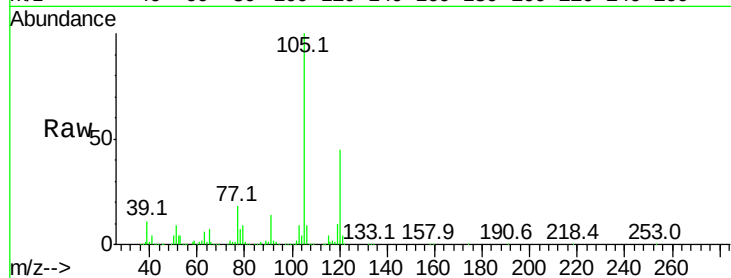
VSTDCCC010EC

Tgt Ion:105 Resp: 2836417

Ion Ratio Lower Upper

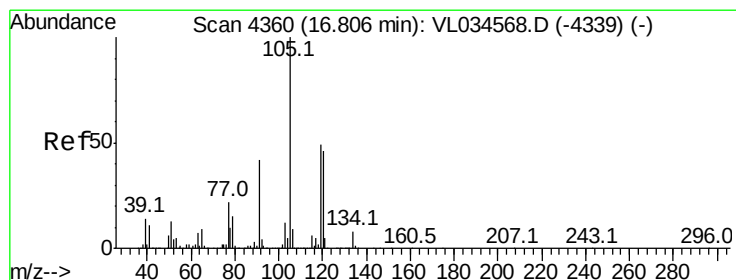
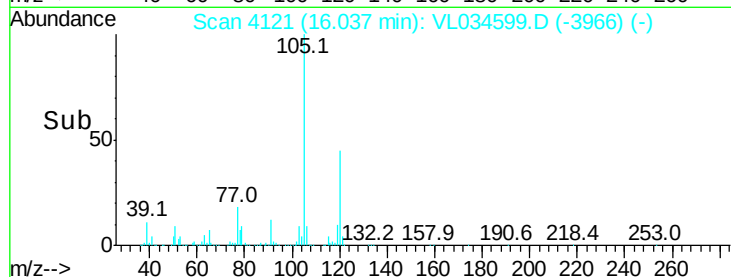
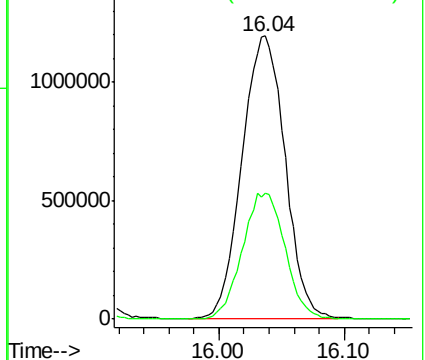
105 100

120 44.6 37.0 55.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.601 ppbv

RT: 16.80 min Scan# 4359

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Tgt Ion:105 Resp: 3036619

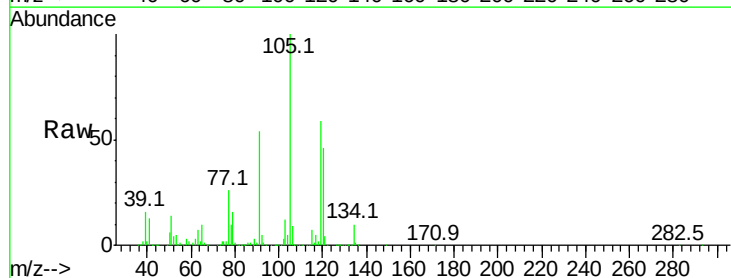
Ion Ratio Lower Upper

105 100

120 46.4 37.1 55.7

91 53.7 34.3 51.5#

77 25.6 17.5 26.3

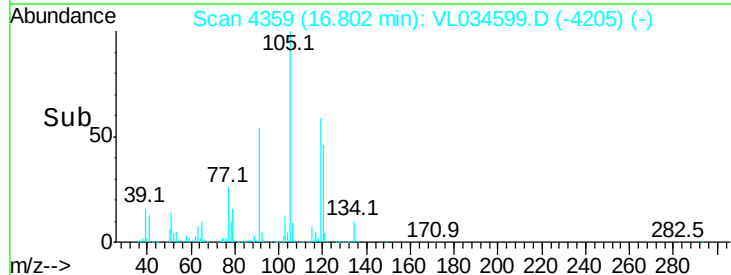
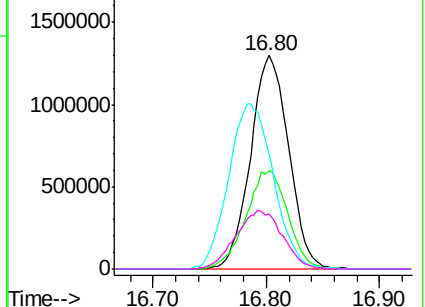


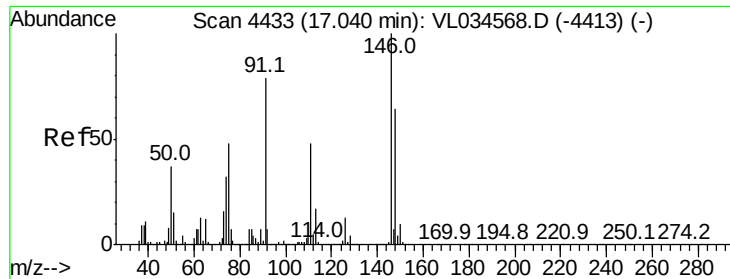
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

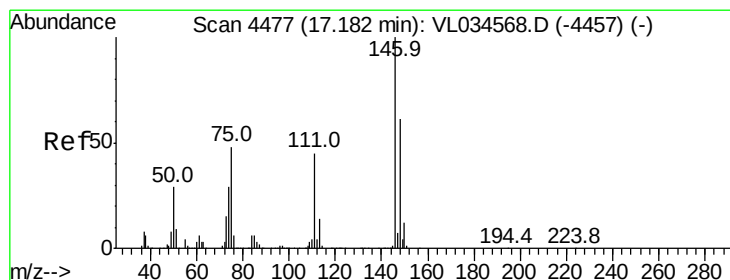
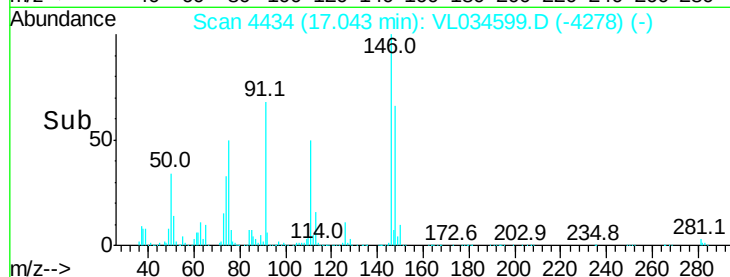
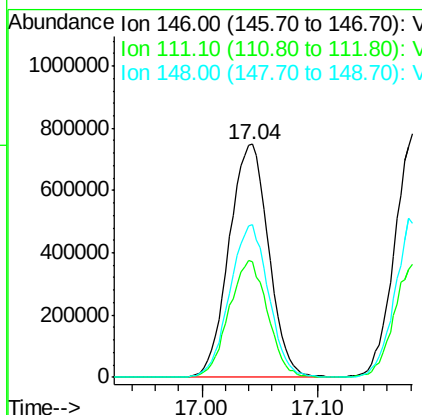
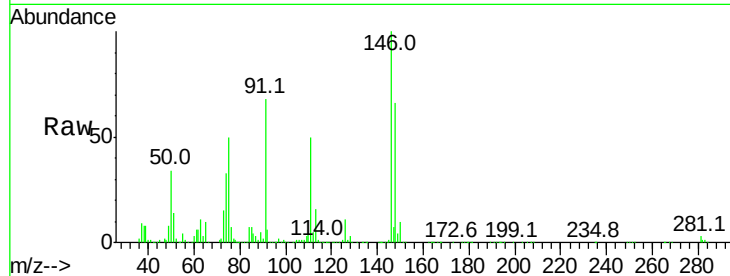




#75
 1,3-Dichlorobenzene
 Concen: 7.654 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. 0.00 min
 Lab File: VL034599.D
 Acq: 5 Feb 2020 9:38

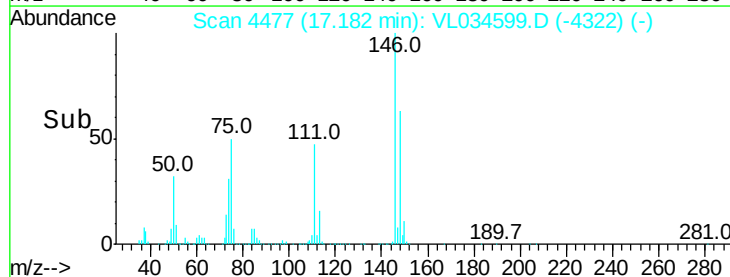
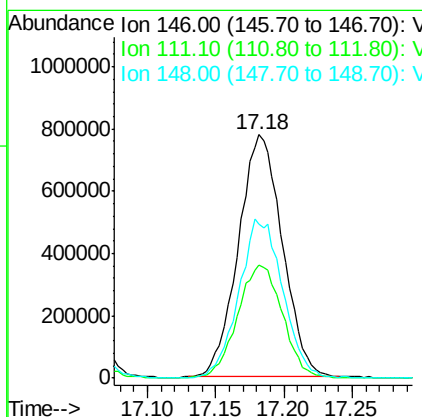
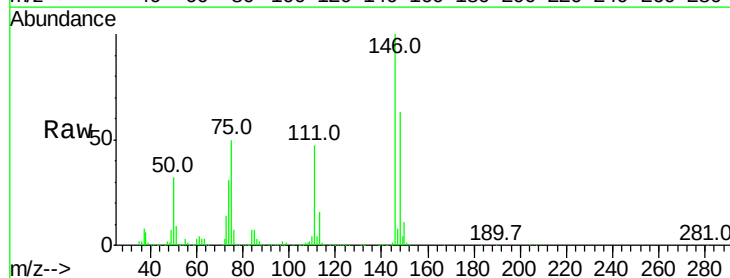
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

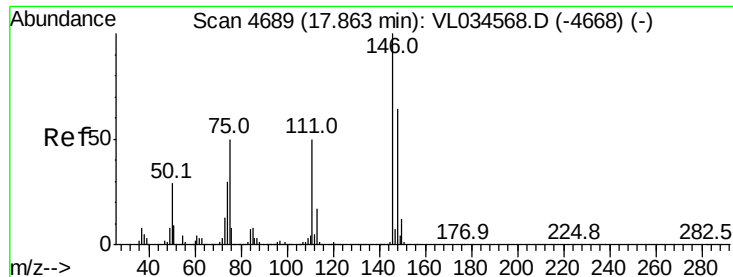
Tgt Ion:146 Resp: 1760630
 Ion Ratio Lower Upper
 146 100
 111 49.3 24.7 74.1
 148 64.8 32.8 98.4



#76
 1,4-Dichlorobenzene
 Concen: 7.694 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. -0.00 min
 Lab File: VL034599.D
 Acq: 5 Feb 2020 9:38

Tgt Ion:146 Resp: 1744374
 Ion Ratio Lower Upper
 146 100
 111 48.0 24.1 72.2
 148 66.0 32.6 98.0

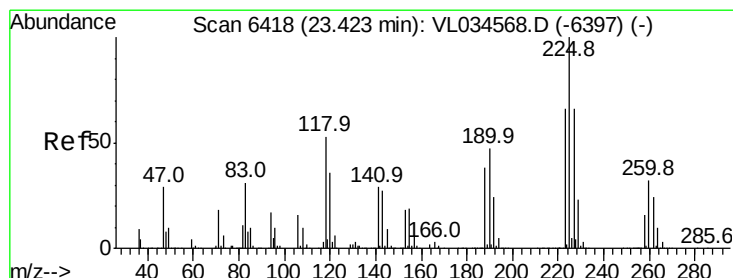
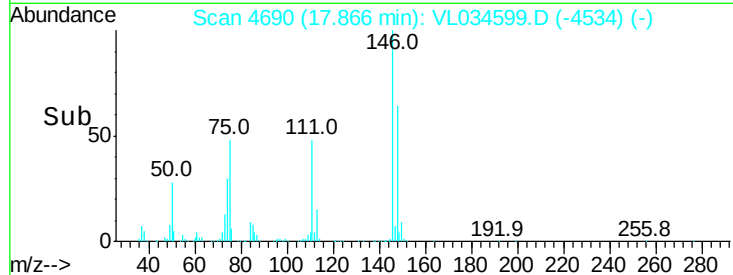
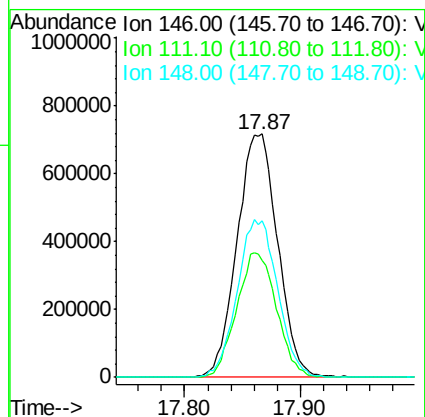
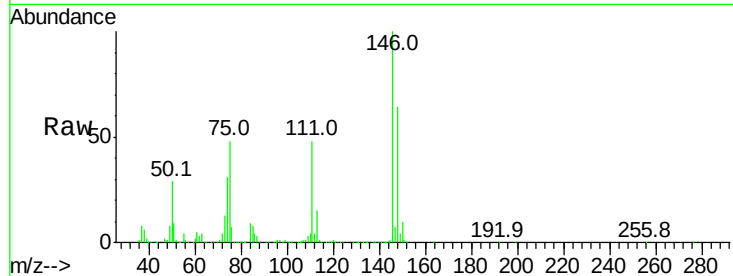




#77
 1,2-Dichlorobenzene
 Concen: 7.856 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. 0.00 min
 Lab File: VL034599.D
 Acq: 5 Feb 2020 9:38

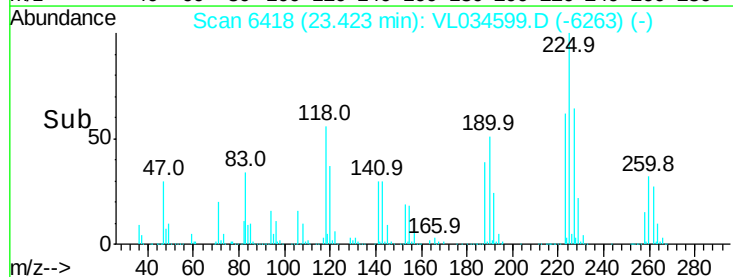
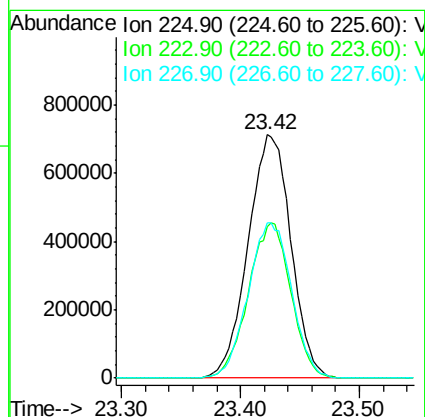
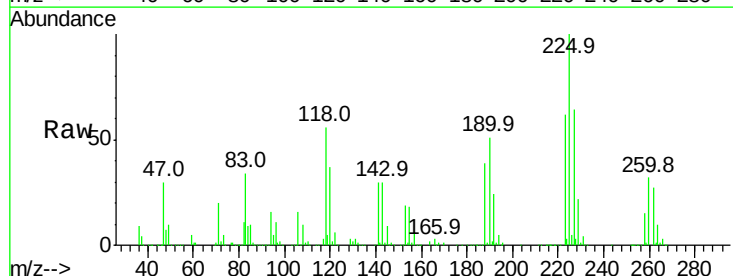
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

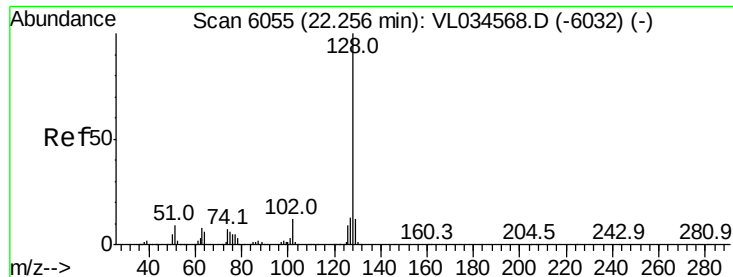
Tgt Ion:146 Resp: 1736060
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.1 75.3
 148 64.8 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.404 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL034599.D
 Acq: 5 Feb 2020 9:38

Tgt Ion:225 Resp: 1776001
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.9 76.3
 227 64.8 51.6 77.4





#79

Naphthalene

Concen: 9.901 ppbv

RT: 22.26 min Scan# 6057

Delta R.T. 0.01 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

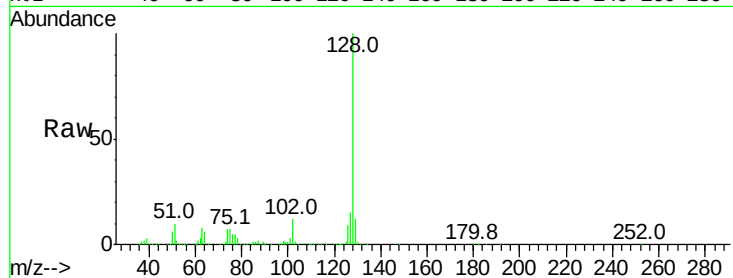
Tgt Ion:128 Resp: 3113984

Ion Ratio Lower Upper

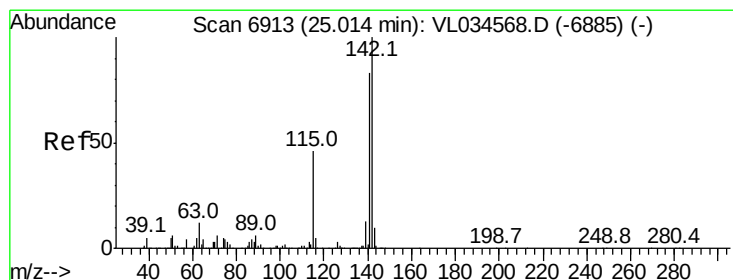
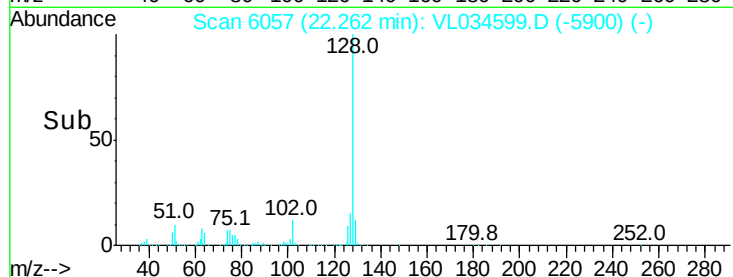
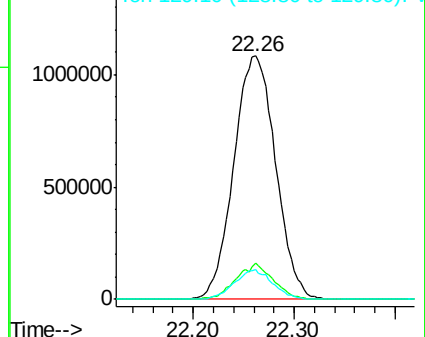
128 100

127 14.7 10.1 15.1

129 12.3 9.3 13.9



Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.249 ppbv

RT: 25.01 min Scan# 6913

Delta R.T. -0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

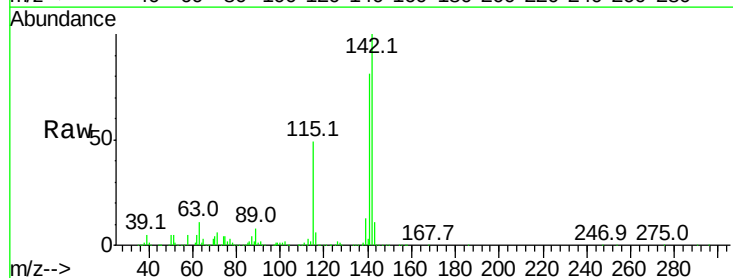
Tgt Ion:142 Resp: 1119092

Ion Ratio Lower Upper

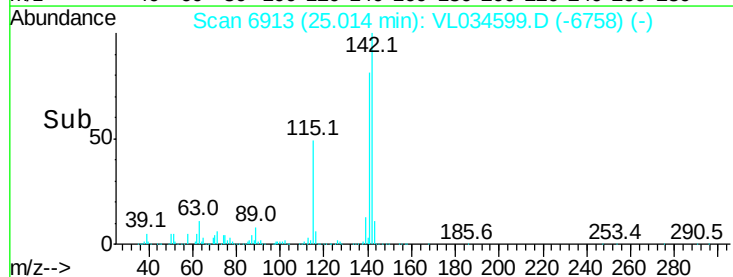
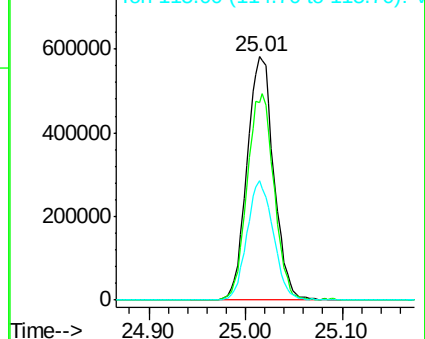
142 100

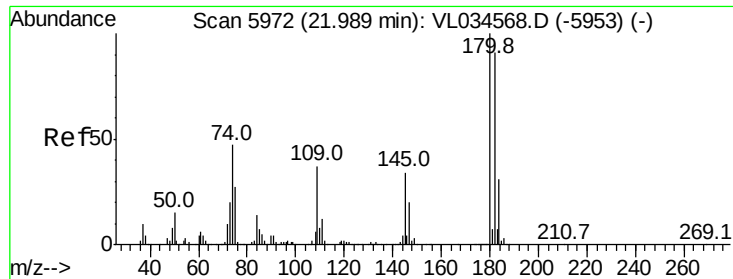
141 84.9 67.0 100.4

115 48.4 39.5 59.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.868 ppbv

RT: 21.99 min Scan# 5973

Delta R.T. 0.00 min

Lab File: VL034599.D

Acq: 5 Feb 2020 9:38

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

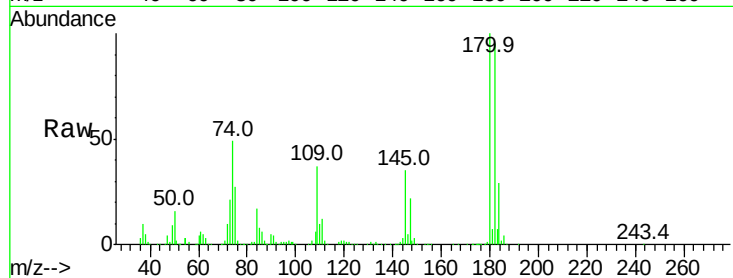
Tgt Ion:180 Resp: 1913382

Ion Ratio Lower Upper

180 100

182 95.4 77.8 116.6

184 30.6 25.4 38.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

