

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034758.D
 Acq On : 3 Mar 2020 9:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Mar 04 05:45:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 01:15:02 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1163189	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2428870	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2446017	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	2058656	10.26	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1321524	7.202	ppbv	95
3) Chlorodifluoromethane	2.96	51	1170627	9.325	ppbv	99
4) Chloromethane	3.11	50	640703	9.118	ppbv	99
5) Vinyl Chloride	3.23	62	640573	9.292	ppbv	95
6) Bromomethane	3.45	94	381423	9.444	ppbv	94
7) Chloroethane	3.53	64	240582	9.401	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1481441	9.127	ppbv	99
9) Propene	2.98	41	478569	9.120	ppbv	99
10) Heptane	8.15	43	1321805	9.787	ppbv	100
11) Trichlorofluoromethane	3.93	101	1523209	9.477	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1066643	9.415	ppbv	98
13) Ethanol	3.58	45	154912	9.345	ppbv	97
14) Bromoethene	3.72	108	461334	9.760	ppbv	98
15) Acetone	3.83	43	1166911	8.804	ppbv	99
16) 1,3-Butadiene	3.30	39	589813	9.613	ppbv	99
17) tert-Butyl alcohol	4.28	59	1217505	11.987	ppbv	99
18) 1,1-Dichloroethene	4.28	96	480436	9.446	ppbv	95
19) Isopropyl Alcohol	3.95	45	926022	11.729	ppbv	100
20) Methylene Chloride	4.33	84	425323	8.628	ppbv	93
21) Allyl Chloride	4.40	41	863949	9.852	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	478636	9.651	ppbv	98
23) Vinyl Acetate	5.07	43	1855882	10.299	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1349241	9.376	ppbv	99
25) Ethyl Acetate	5.68	43	2247689	9.579	ppbv	100
26) Hexane	5.69	57	1007869	9.320	ppbv	99
27) Carbon Disulfide	4.54	76	1267748	10.327	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1556027	10.072	ppbv	99
29) Chloroform	5.76	83	1615704	9.377	ppbv	96
30) Cyclohexane	7.14	84	818471	9.766	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1061069	9.970	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	1570049	9.758	ppbv	99
34) 2-Butanone	5.24	43	1483839	9.706	ppbv	98
35) Carbon Tetrachloride	7.03	117	1626282	9.998	ppbv	97
36) Benzene	6.91	78	1975472	9.417	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1326749	10.033	ppbv	98
38) Trichloroethene	7.86	130	753519	9.319	ppbv	96
39) 1,2-Dichloropropane	7.64	63	799755	9.582	ppbv	98
40) 1,4-Dioxane	7.85	88	297232	10.472	ppbv #	1
41) Tetrahydrofuran	6.05	42	829219	10.276	ppbv	99
42) Bromodichloromethane	7.82	83	1750185	10.109	ppbv	99
43) Methyl Methacrylate	8.03	69	925315	10.487	ppbv	100

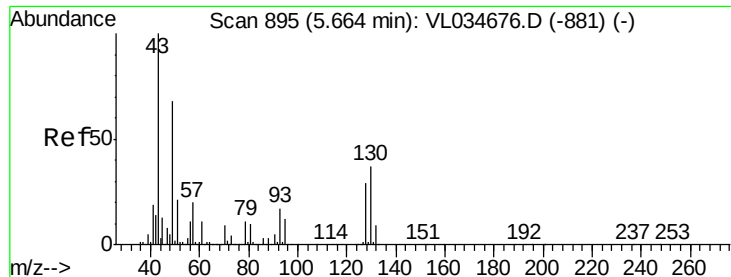
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
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 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3429120	9.353	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	1109534	11.523	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1261437	10.924	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	811281	9.475	ppbv	97
48) Dibromochloromethane	10.34	129	1417838	10.649	ppbv	99
49) Bromoform	13.09	173	1221225	10.579	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	2204281	10.180	ppbv	100
51) 2-Hexanone	10.17	43	1824995	10.710	ppbv #	99
52) Tetrachloroethene	11.26	164	713747	9.282	ppbv	93
53) Toluene	9.84	91	2269987	10.174	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1266917	9.918	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1040687	9.990	ppbv	96
57) Chlorobenzene	12.19	112	1712936	9.475	ppbv	94
58) Ethyl Benzene	12.75	91	3070979	10.377	ppbv	99
59) m/p-Xylene	13.04	91	60348	0.234	ppbv #	1
60) o-Xylene	13.74	91	2547630	9.947	ppbv	98
61) Styrene	13.58	104	1792714	10.896	ppbv	98
62) Isopropylbenzene	14.72	105	3680573	9.851	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1810106	9.068	ppbv	100
64) n-propylbenzene	15.61	120	961802	9.985	ppbv	96
65) tert-Butylbenzene	16.80	119	3208155	9.944	ppbv	98
66) Benzyl Chloride	17.05	91	1486549	12.352	ppbv	99
67) sec-Butylbenzene	17.35	105	4573650	9.852	ppbv	100
69) p-Isopropyltoluene	17.71	119	3828157	10.017	ppbv	99
70) n-Butylbenzene	18.61	91	4091223	9.831	ppbv	99
71) 2-Chlorotoluene	15.50	91	2880829	9.955	ppbv	100
72) 4-Ethyltoluene	15.89	105	2963471	10.395	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2788064	10.166	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2911562	9.613	ppbv	94
75) 1,3-Dichlorobenzene	17.05	146	1648571	9.430	ppbv	100
76) 1,4-Dichlorobenzene	17.20	146	1648906	9.427	ppbv	98
77) 1,2-Dichlorobenzene	17.88	146	743855	4.401	ppbv #	8
78) Hexachloro-1,3-Butadiene	23.44	225	1369781	9.308	ppbv	98
79) Naphthalene	22.27	128	2717668	10.196	ppbv	100
80) Naphthalene, 2-methyl-	25.03	142	1264530	15.381	ppbv	96
81) 1,2,4-Trichlorobenzene	22.00	180	848579	5.334	ppbv #	26

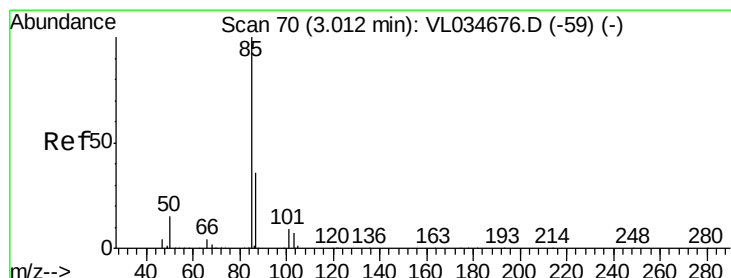
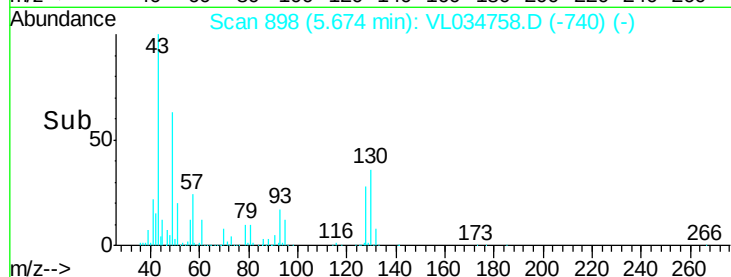
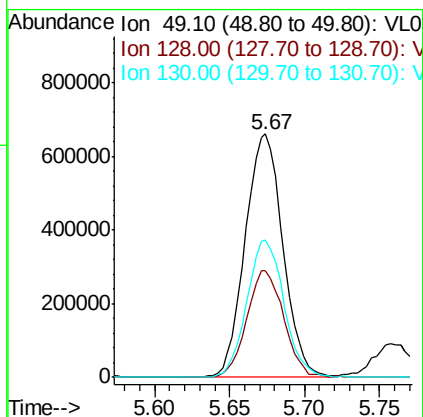
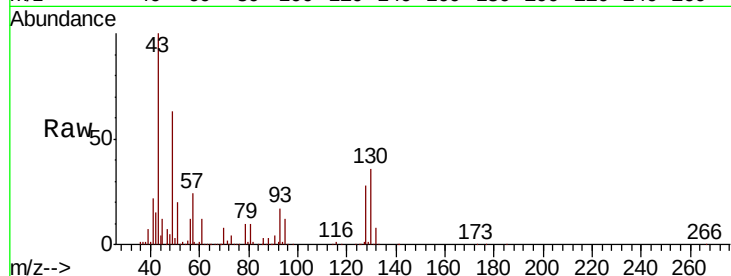
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

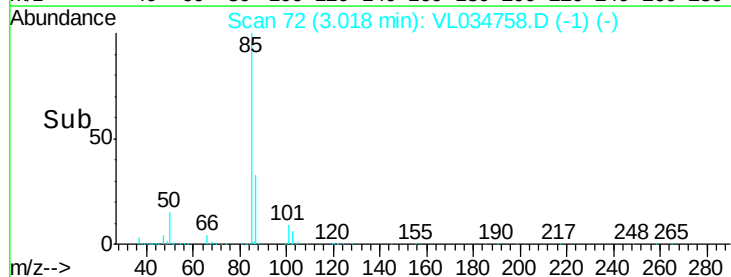
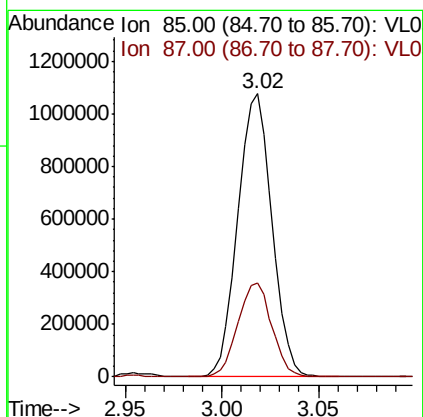
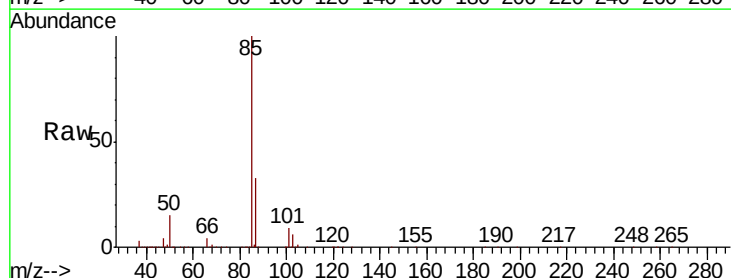
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

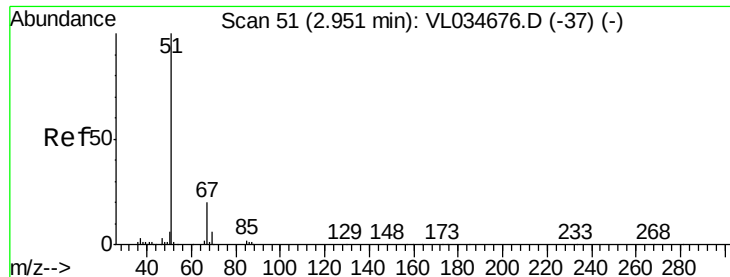
Tot Ion: 49 Resp: 1163189
 Ion Ratio Lower Upper
 49 100
 128 43.2 21.6 65.0
 130 55.8 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 7.202 ppbv
 RT: 3.02 min Scan# 72
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion: 85 Resp: 1321524
 Ion Ratio Lower Upper
 85 100
 87 33.3 29.2 43.8





#3

Chlorodifluoromethane

Concen: 9.325 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

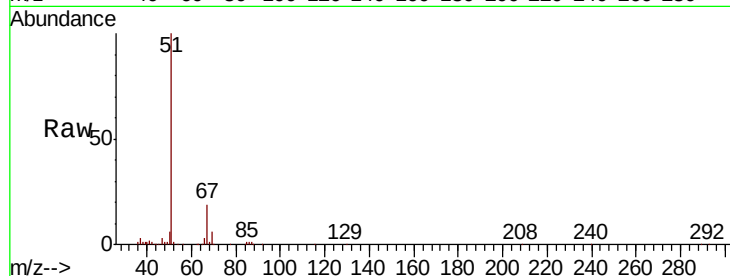
VSTDCCC010

Tot Ion: 51 Resp: 1170627

Ion Ratio Lower Upper

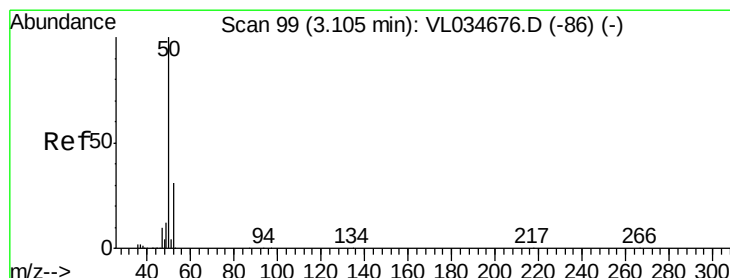
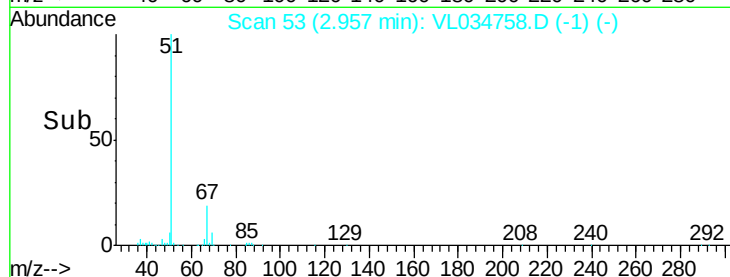
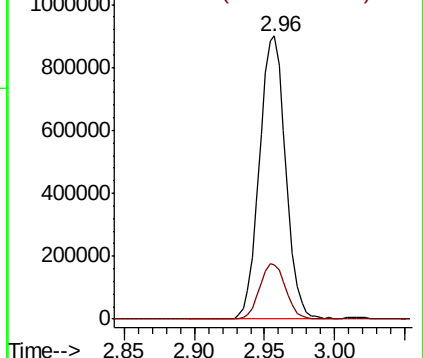
51 100

67 19.8 15.5 23.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.118 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034758.D

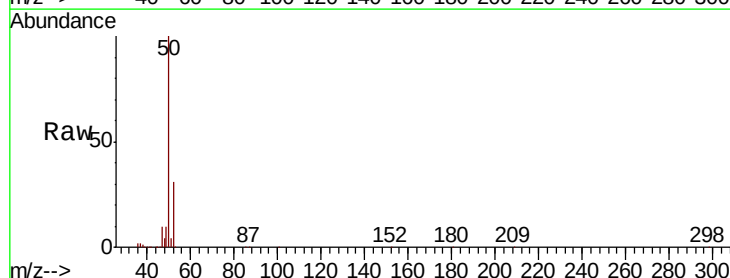
Acq: 3 Mar 2020 9:43

Tgt Ion: 50 Resp: 640703

Ion Ratio Lower Upper

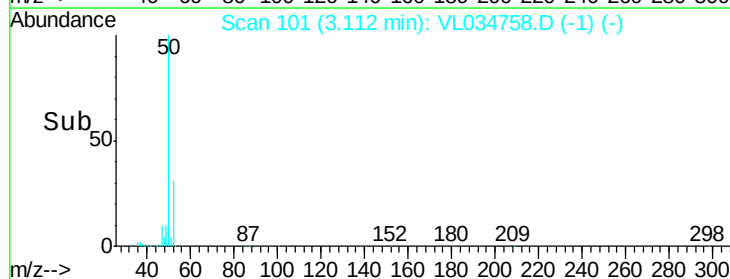
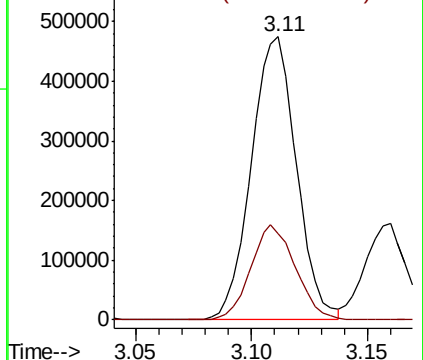
50 100

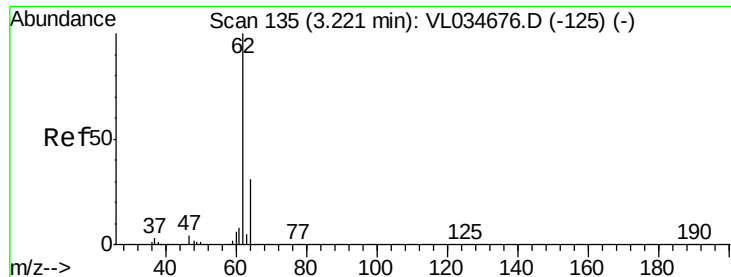
52 30.6 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.292 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

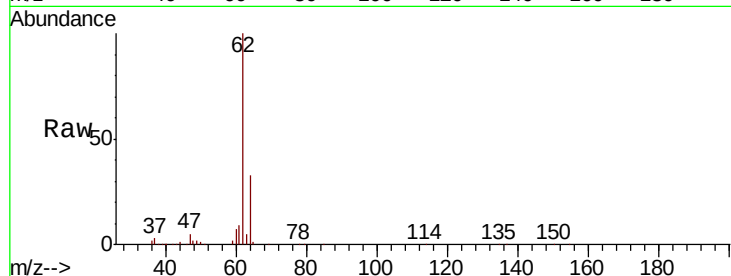
VSTDCCC010

Tot Ion: 62 Resp: 640573

Ion Ratio Lower Upper

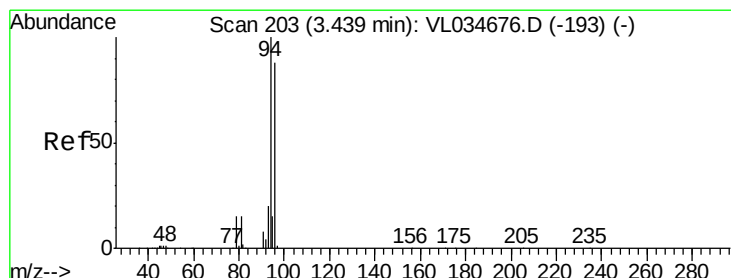
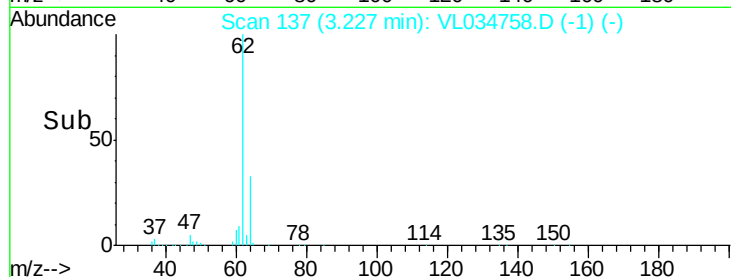
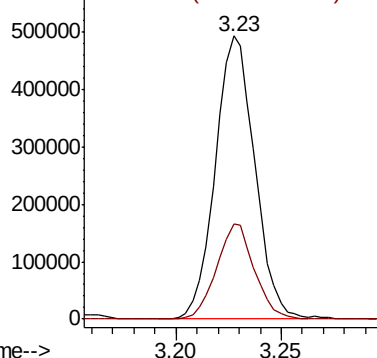
62 100

64 33.5 24.7 37.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.444 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034758.D

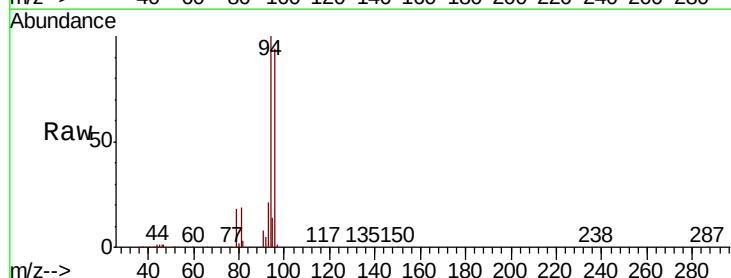
Acq: 3 Mar 2020 9:43

Tgt Ion: 94 Resp: 381423

Ion Ratio Lower Upper

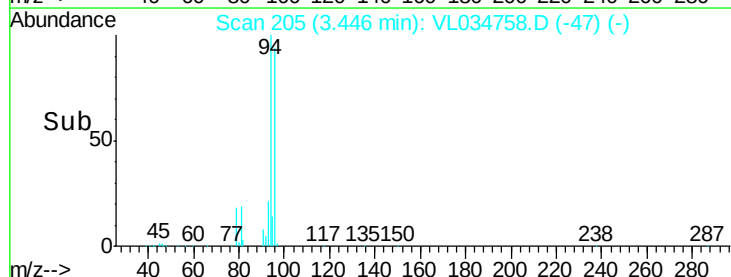
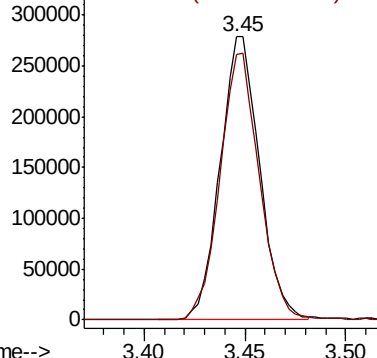
94 100

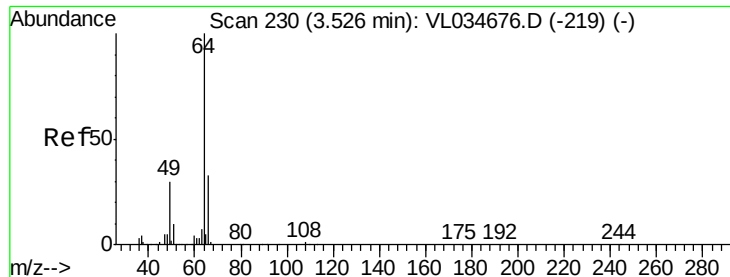
96 93.9 70.5 105.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.401 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

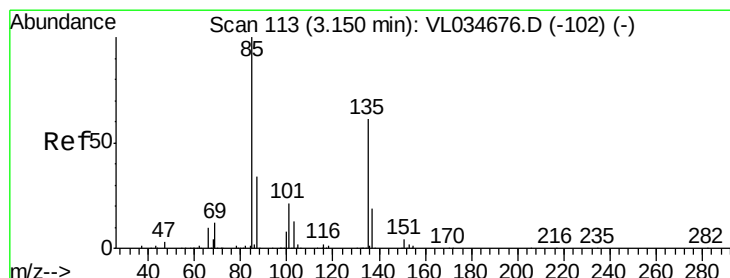
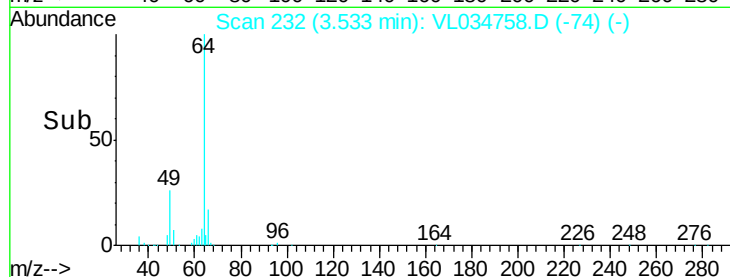
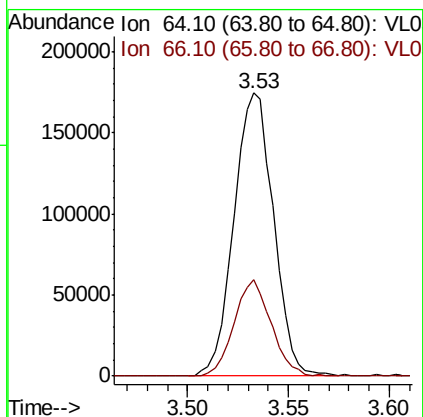
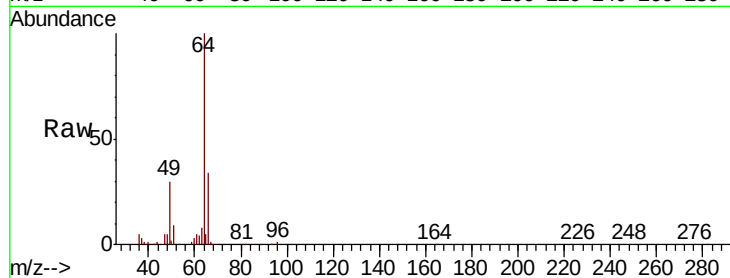
VSTDCCC010

Tot Ion: 64 Resp: 240582

Ion Ratio Lower Upper

64 100

66 35.3 26.7 40.1



#8

Dichlorotetrafluoroethane

Concen: 9.127 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034758.D

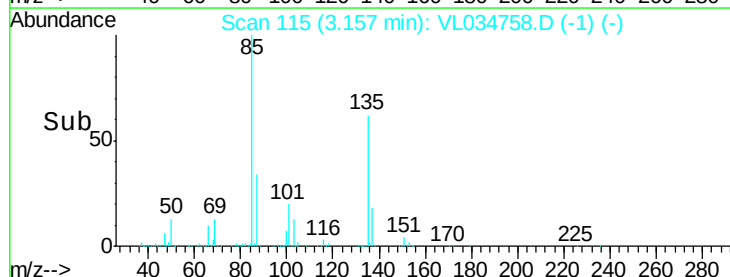
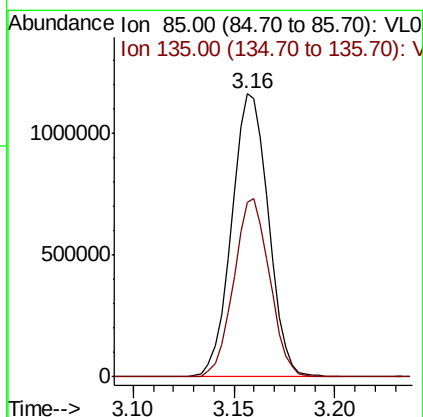
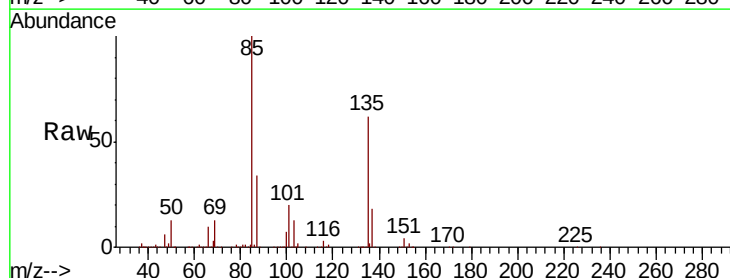
Acq: 3 Mar 2020 9:43

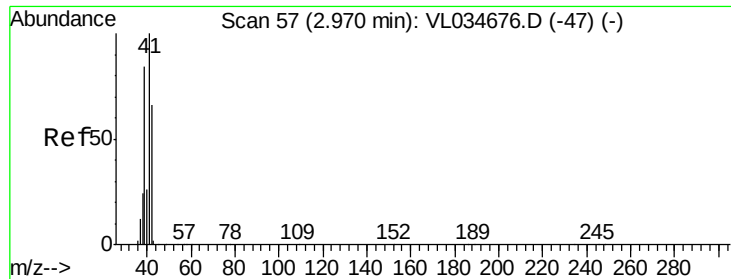
Tgt Ion: 85 Resp: 1481441

Ion Ratio Lower Upper

85 100

135 61.5 49.8 74.6





#9

Propene

Concen: 9.120 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

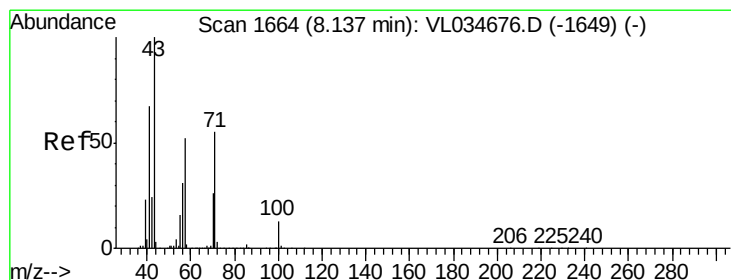
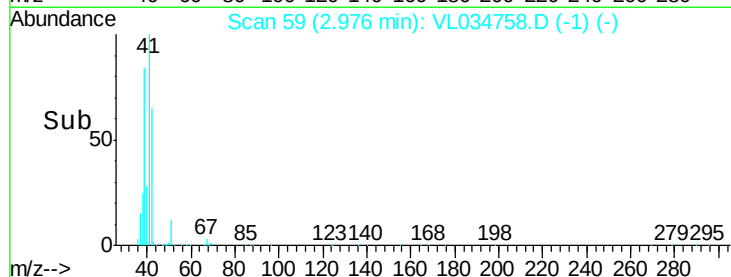
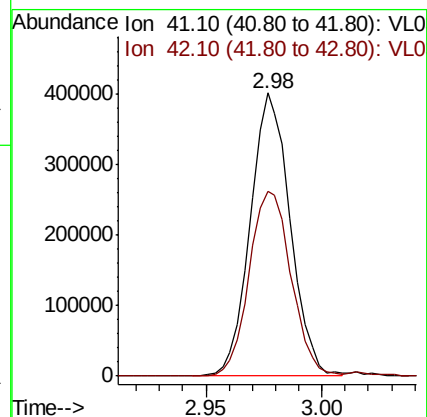
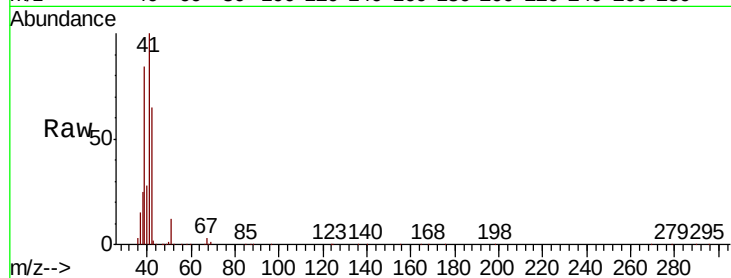
VSTDCCC010

Tot Ion: 41 Resp: 478569

Ion Ratio Lower Upper

41 100

42 69.7 54.9 82.3



#10

Heptane

Concen: 9.787 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL034758.D

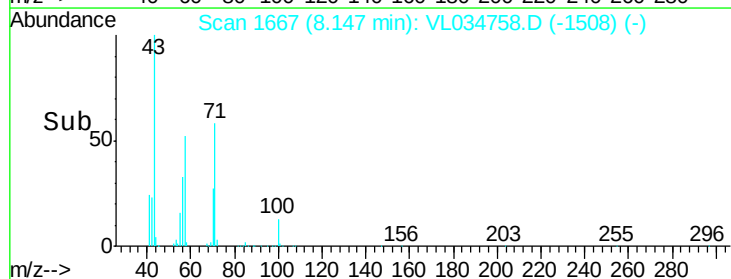
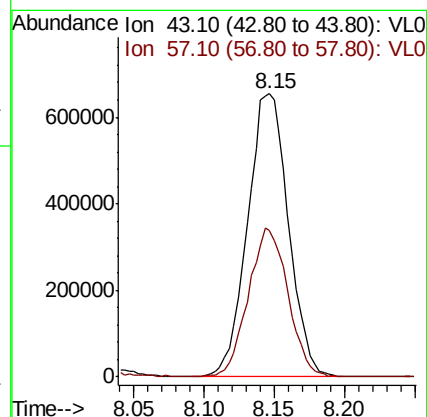
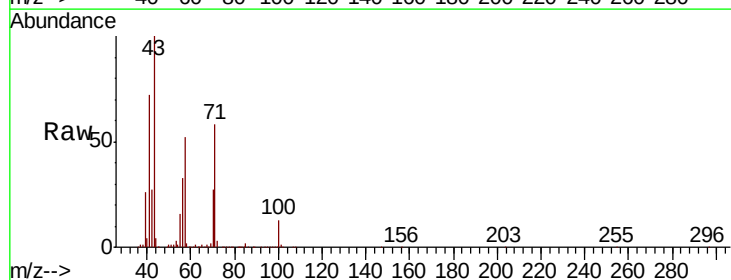
Acq: 3 Mar 2020 9:43

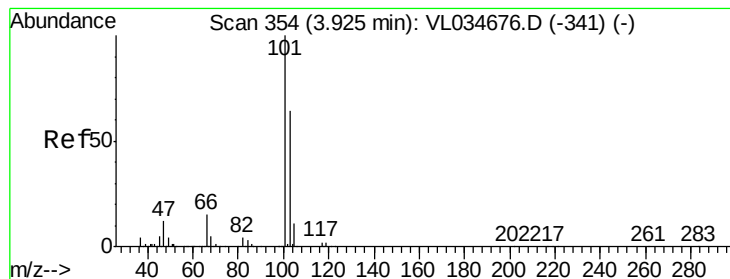
Tgt Ion: 43 Resp: 1321805

Ion Ratio Lower Upper

43 100

57 51.4 41.0 61.6





#11

Trichlorofluoromethane

Concen: 9.477 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

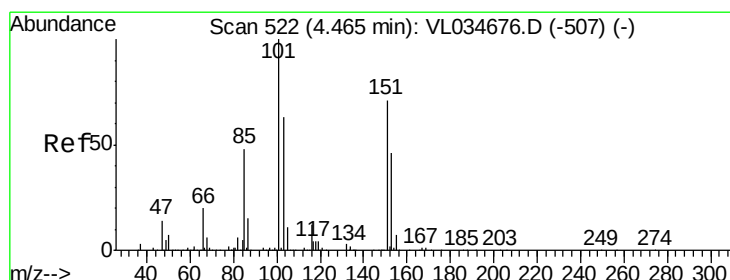
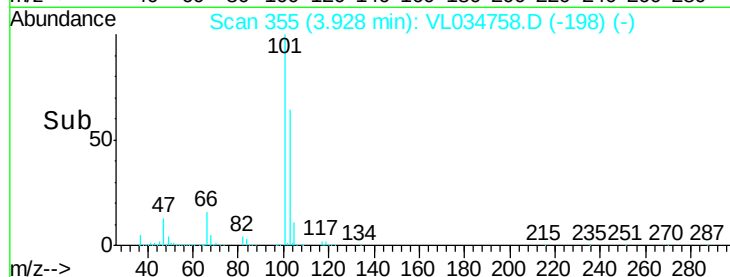
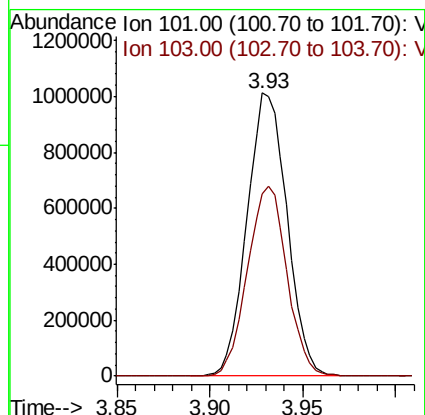
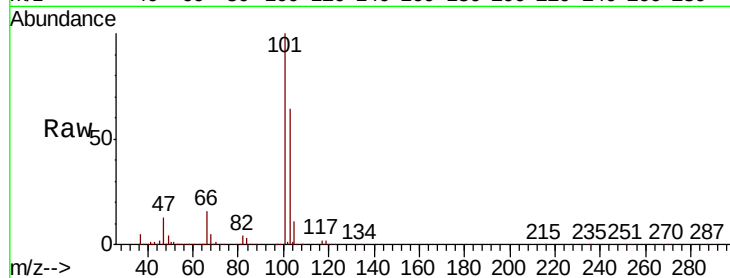
VSTDCCC010

Tot Ion:101 Resp: 1523209

Ion Ratio Lower Upper

101 100

103 64.4 51.2 76.8



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.415 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034758.D

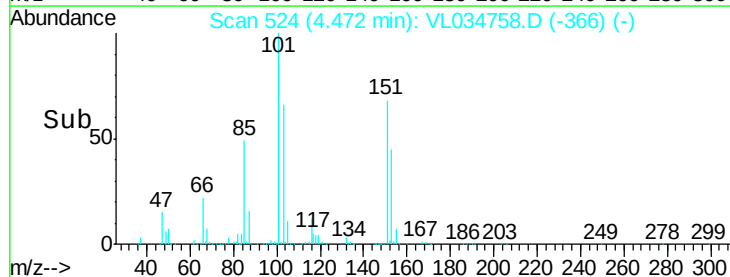
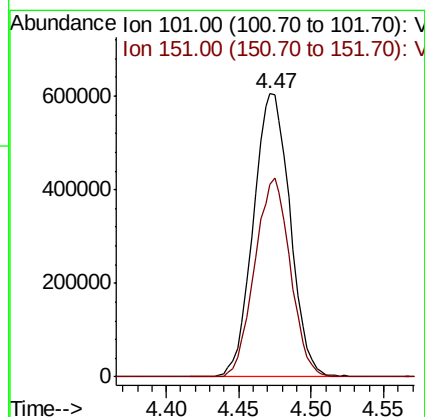
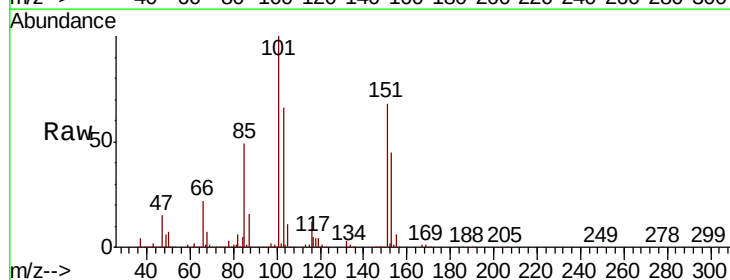
Acq: 3 Mar 2020 9:43

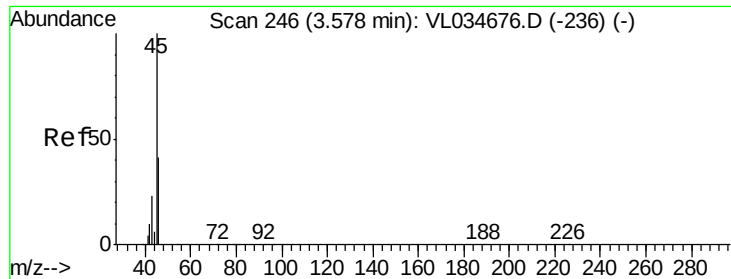
Tgt Ion:101 Resp: 1066643

Ion Ratio Lower Upper

101 100

151 68.2 55.8 83.6





#13

Ethanol

Concen: 9.345 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.00 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

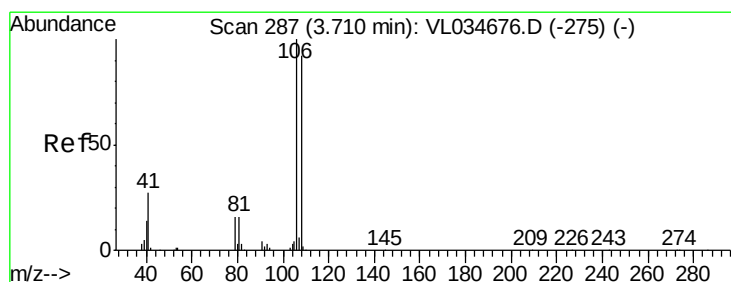
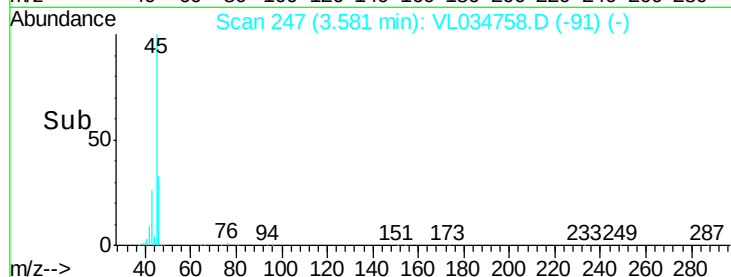
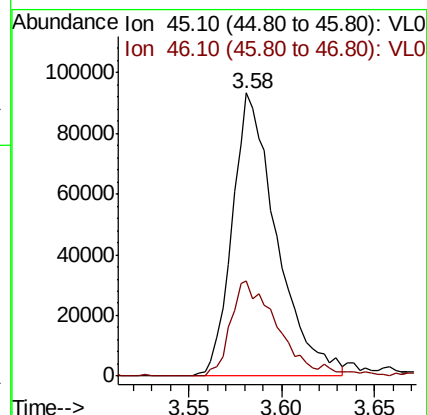
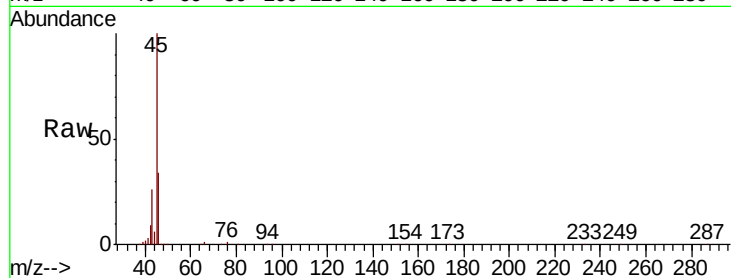
VSTDCCC010

Tot Ion: 45 Resp: 154912

Ion Ratio Lower Upper

45 100

46 36.3 15.4 61.4



#14

Bromoethene

Concen: 9.760 ppbv

RT: 3.72 min Scan# 289

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

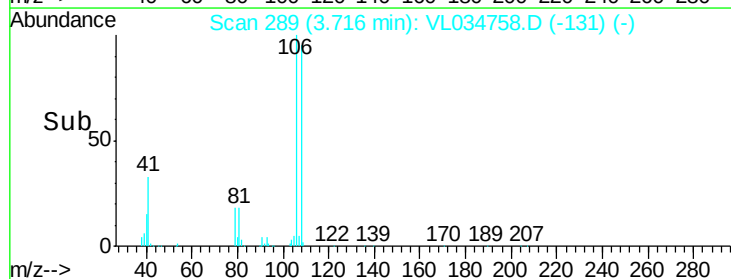
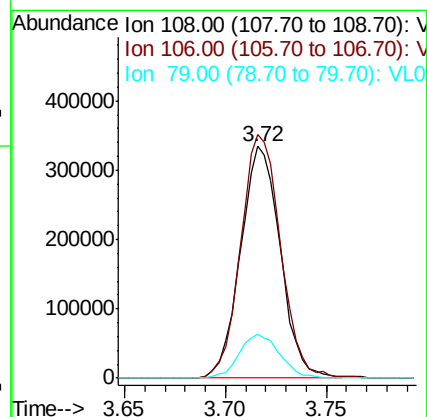
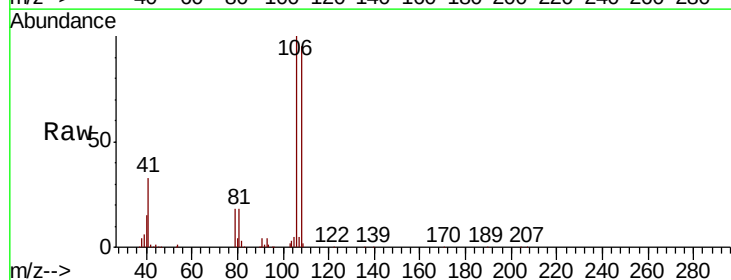
Tgt Ion: 108 Resp: 461334

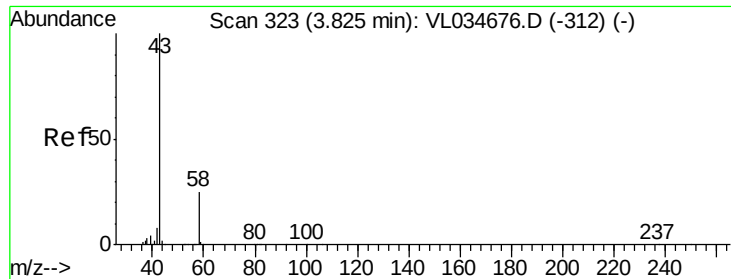
Ion Ratio Lower Upper

108 100

106 106.4 86.7 130.1

79 19.6 15.0 22.6





#15

Acetone

Concen: 8.804 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.00 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

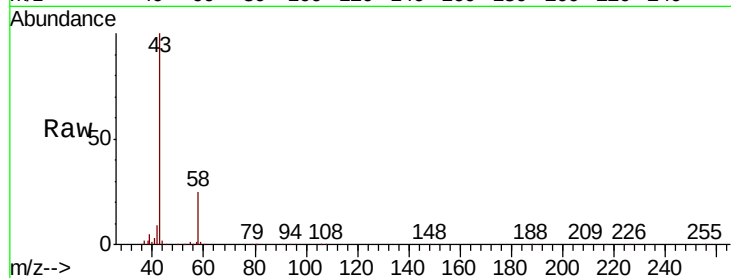
VSTDCCC010

Tot Ion: 43 Resp: 1166911

Ion Ratio Lower Upper

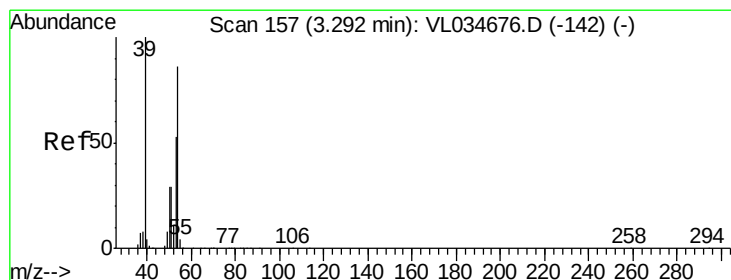
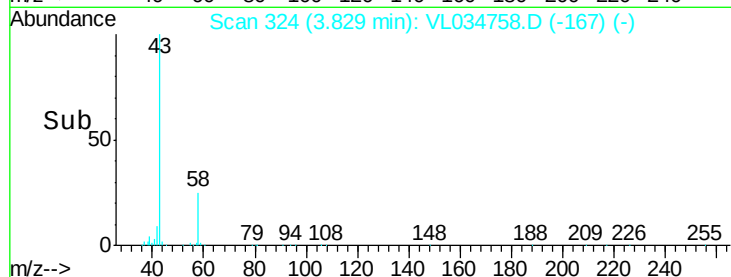
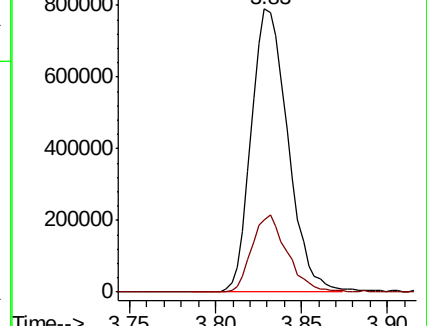
43 100

58 26.3 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.613 ppbv

RT: 3.30 min Scan# 160

Delta R.T. 0.01 min

Lab File: VL034758.D

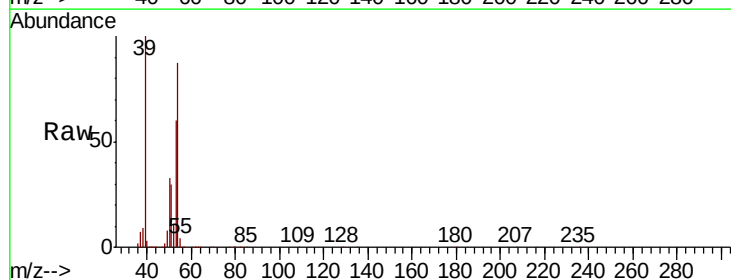
Acq: 3 Mar 2020 9:43

Tgt Ion: 39 Resp: 589813

Ion Ratio Lower Upper

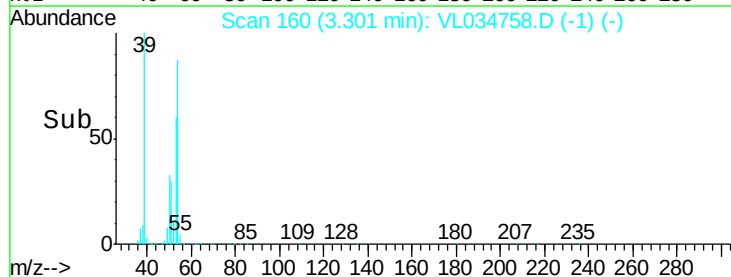
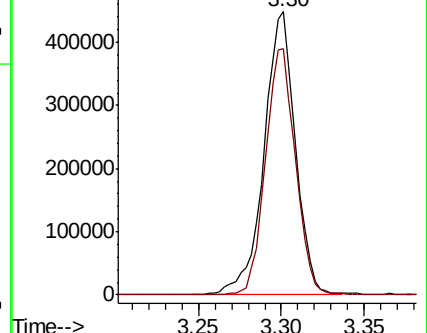
39 100

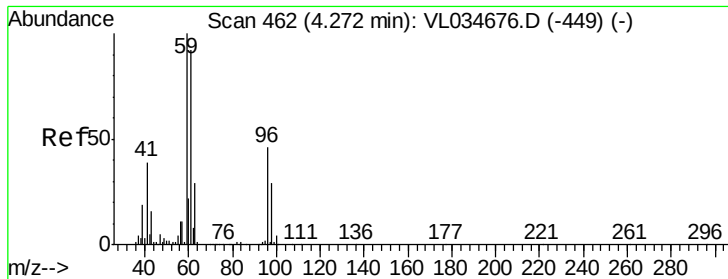
54 83.2 67.0 100.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



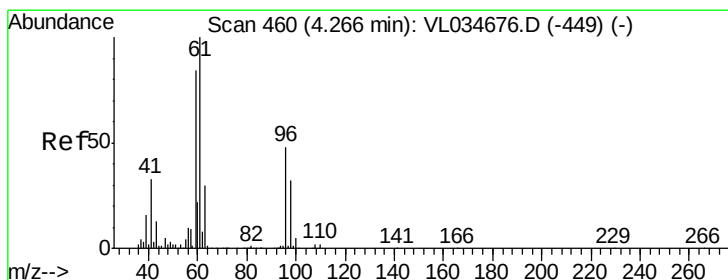
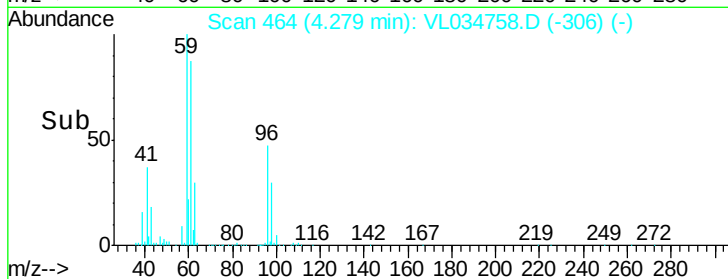
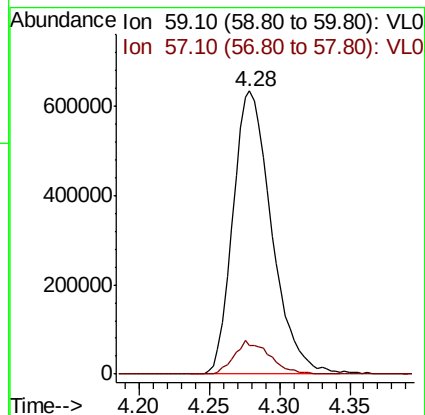
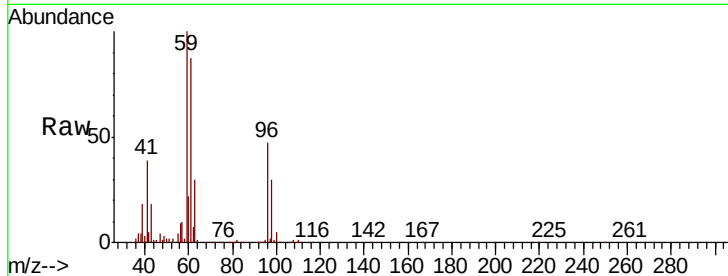


#17

tert-Butyl alcohol
 Concen: 11.987 ppbv
 RT: 4.28 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

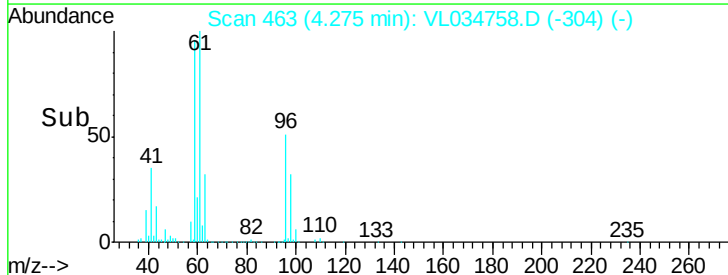
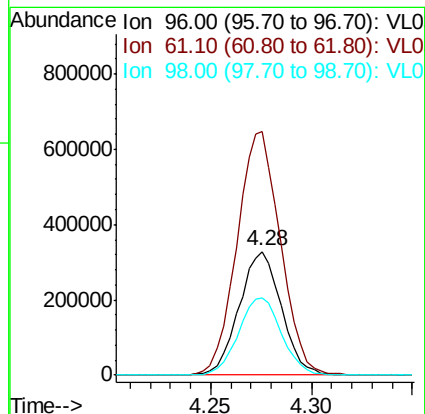
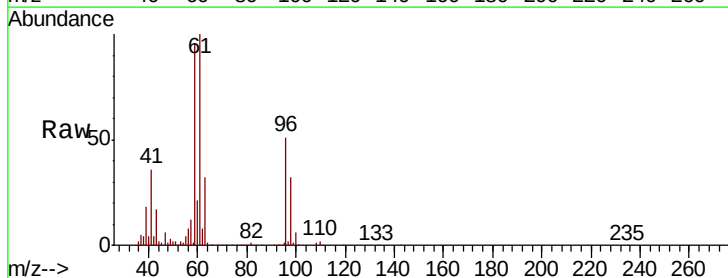
Tot Ion: 59 Resp: 1217505
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.8 13.2

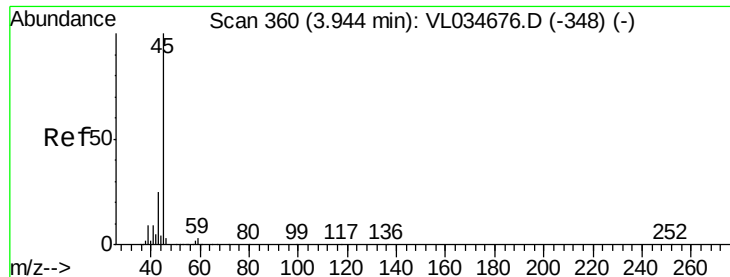


#18

1,1-Dichloroethene
 Concen: 9.446 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion: 96 Resp: 480436
 Ion Ratio Lower Upper
 96 100
 61 197.1 165.1 247.7
 98 62.8 52.7 79.1



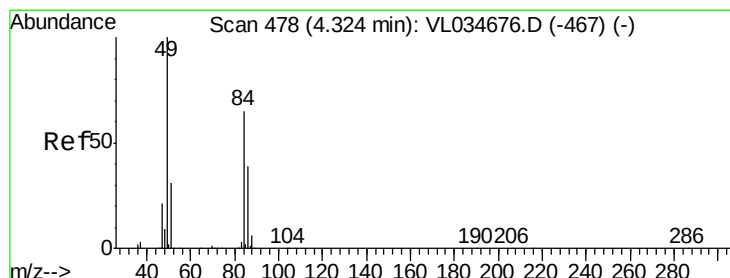
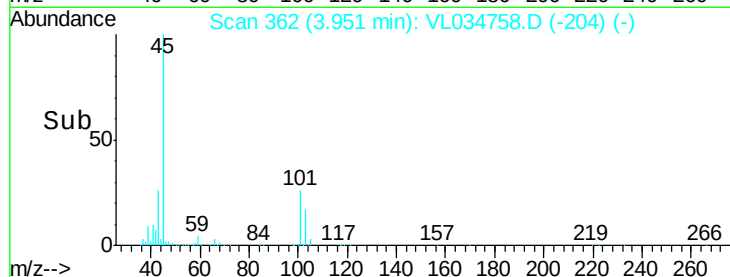
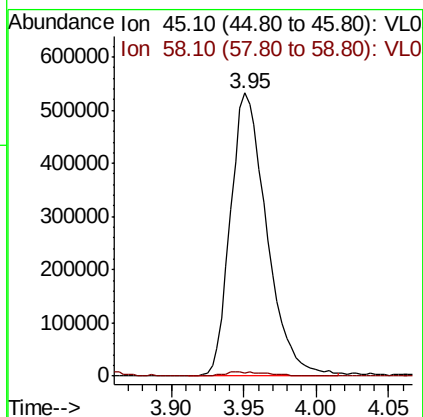
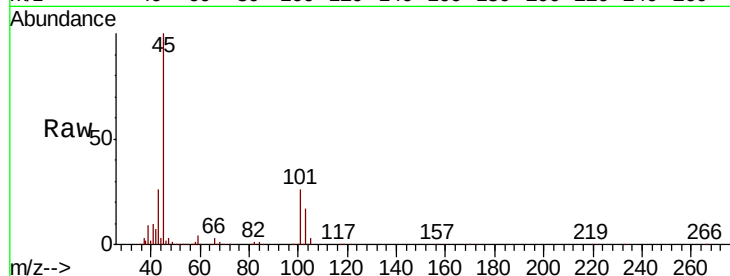


#19

Isopropyl Alcohol
 Concen: 11.729 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

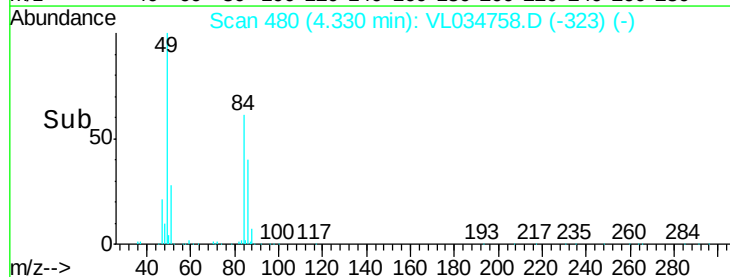
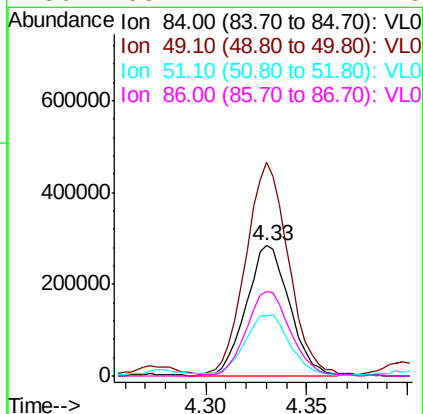
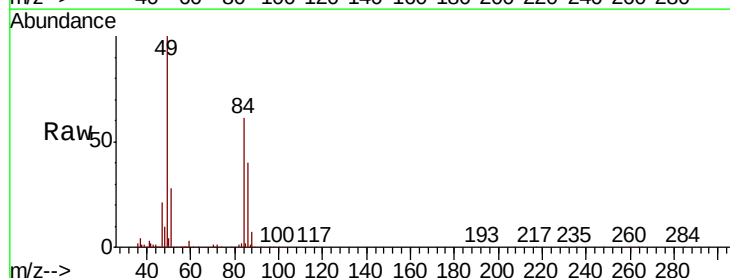
Tot Ion: 45 Resp: 926022
 Ion Ratio Lower Upper
 45 100
 58 2.1 1.8 2.6

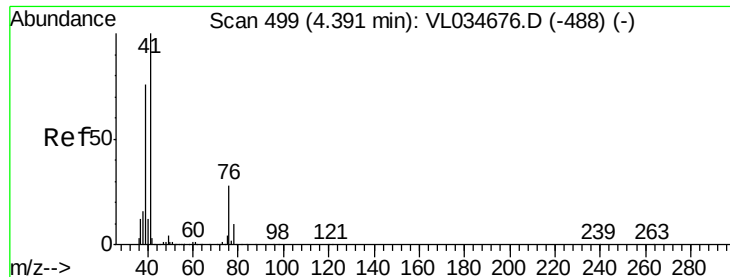


#20

Methylene Chloride
 Concen: 8.628 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion: 84 Resp: 425323
 Ion Ratio Lower Upper
 84 100
 49 162.2 122.8 184.2
 51 45.0 38.6 58.0
 86 65.4 47.7 71.5

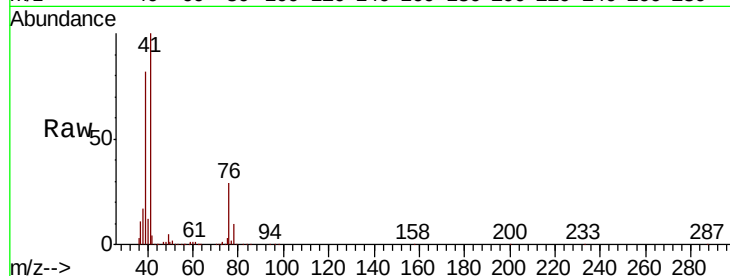




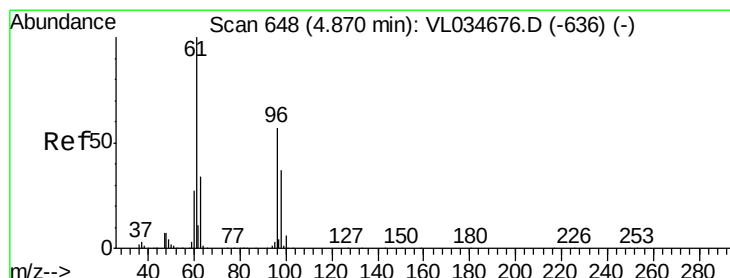
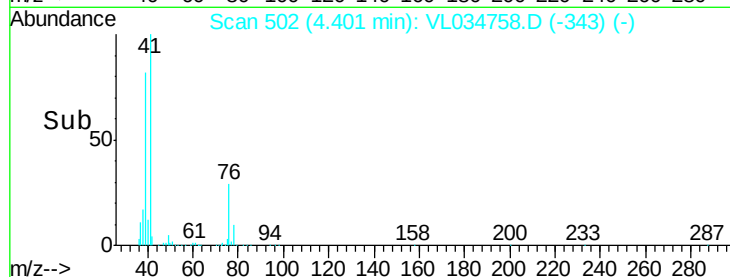
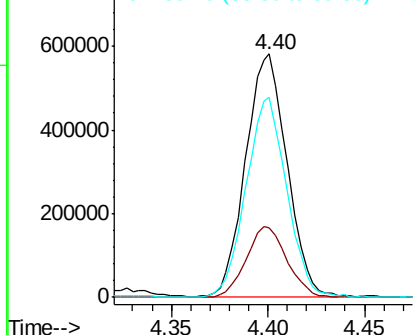
#21
 Allvl Chloride
 Concen: 9.852 ppbv
 RT: 4.40 min Scan# 502
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	22.8	34.2
39	81.5	61.7	92.5

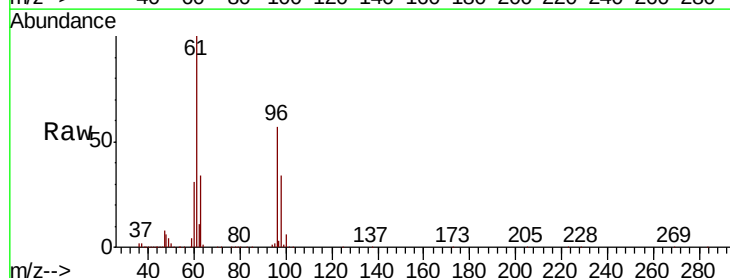


Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 76.10 (75.80 to 76.80): VL0
 Ion 39.10 (38.80 to 39.80): VL0

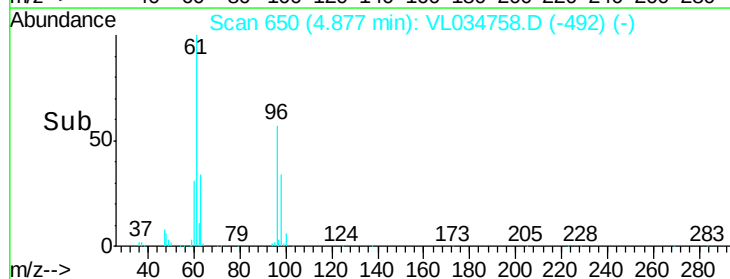
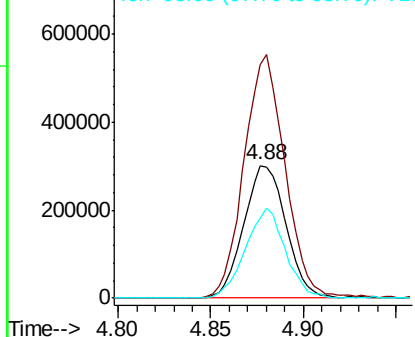


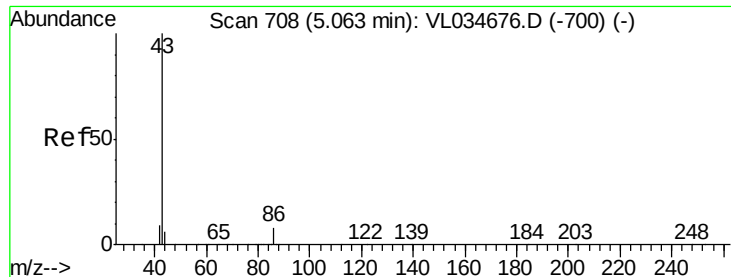
#22
 trans-1,2-Dichloroethene
 Concen: 9.651 ppbv
 RT: 4.88 min Scan# 650
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.1	139.4	209.0
98	60.3	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: 10.299 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1855882

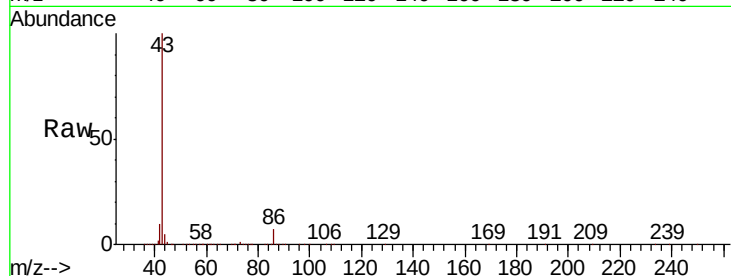
Ion Ratio Lower Upper

43 100

86 7.3 6.0 9.0

42 10.4 8.0 12.0

44 5.3 4.5 6.7

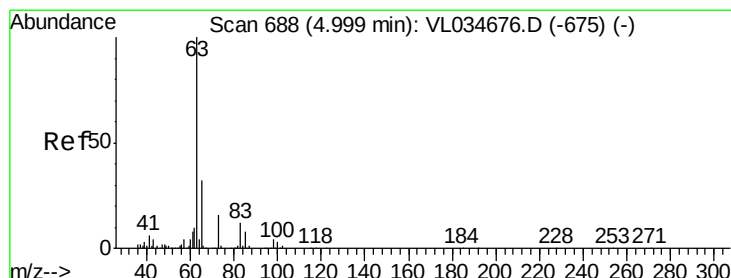
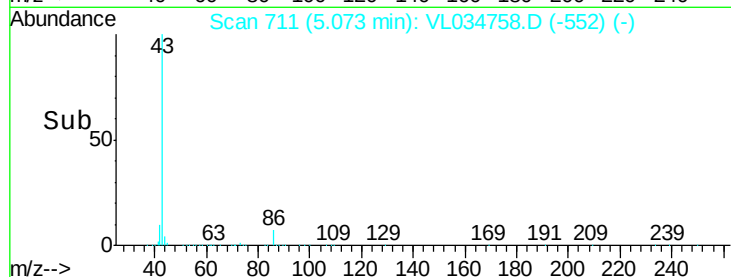
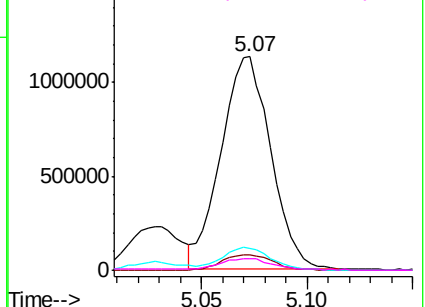


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.376 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

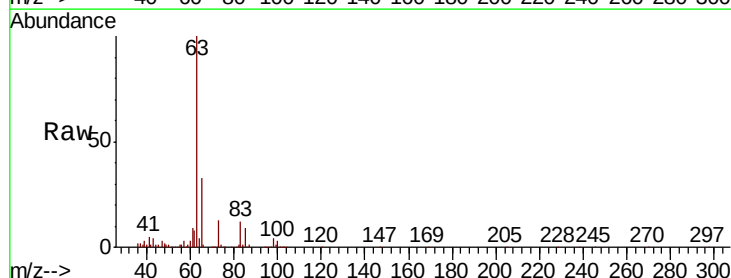
Tgt Ion: 63 Resp: 1349241

Ion Ratio Lower Upper

63 100

98 3.6 2.1 6.2

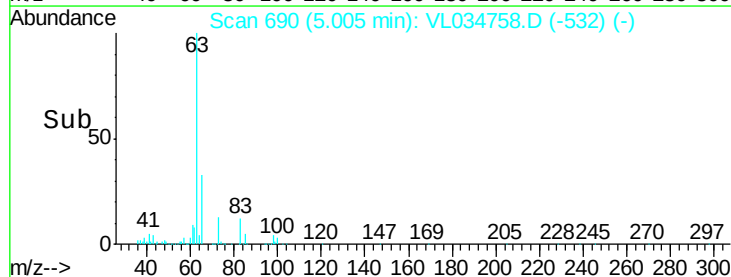
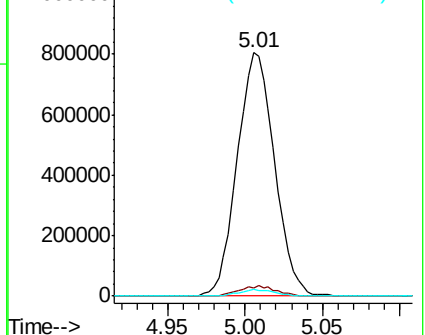
100 3.0 1.4 4.0

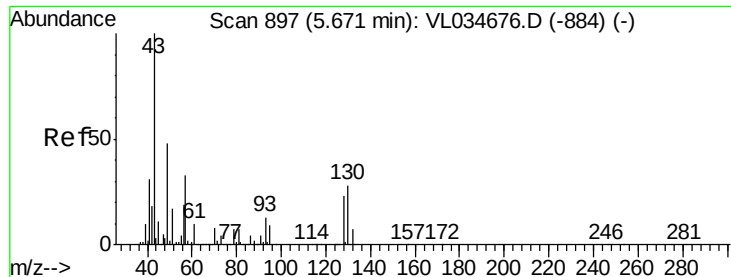


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



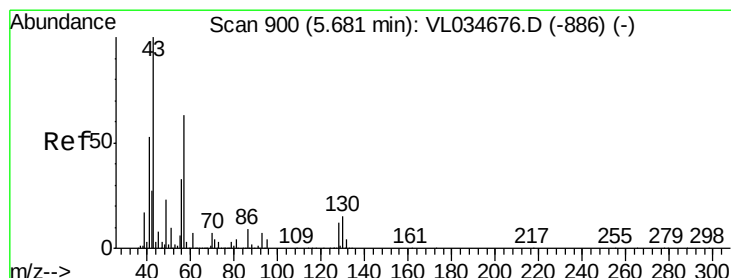
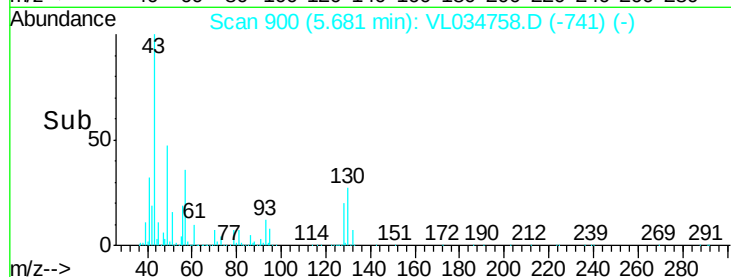
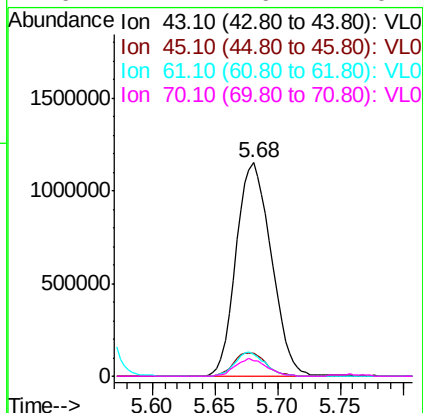
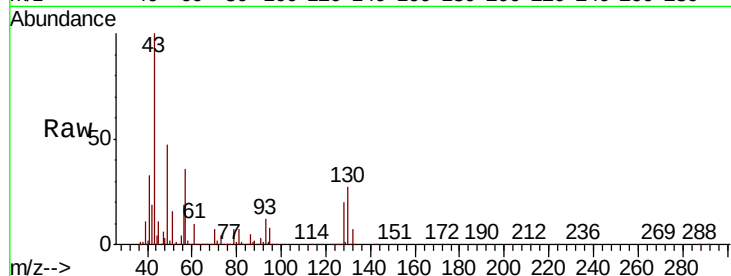


#25
Ethyl Acetate
Concen: 9.579 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2247689

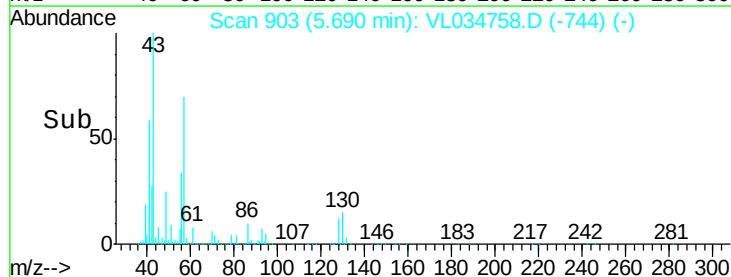
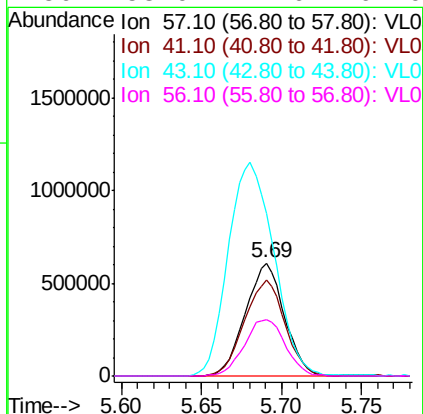
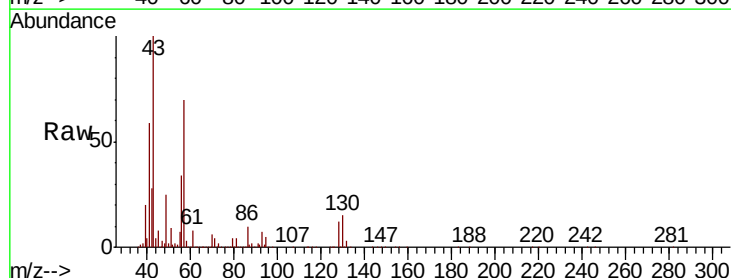
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.8	7.8	11.6
70	7.4	6.1	9.1

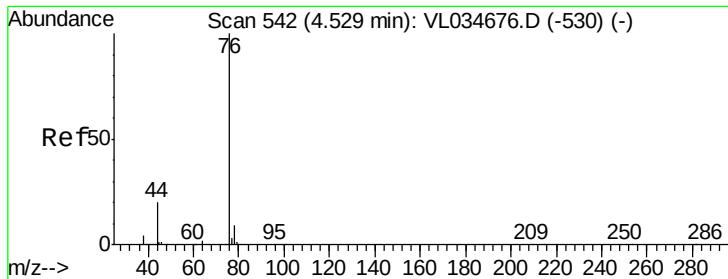


#26
Hexane
Concen: 9.320 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Tgt Ion: 57 Resp: 1007869

Ion	Ratio	Lower	Upper
57	100		
41	89.3	70.3	105.5
43	224.0	177.0	265.4
56	53.0	42.6	64.0





#27

Carbon Disulfide

Concen: 10.327 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

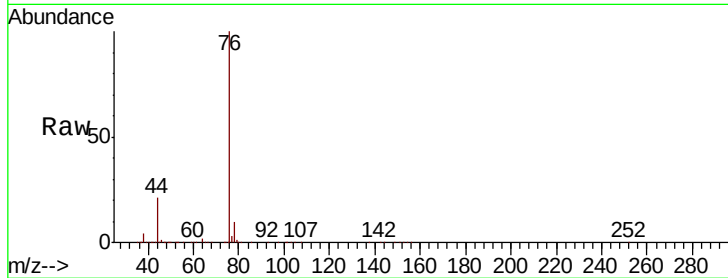
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1267748

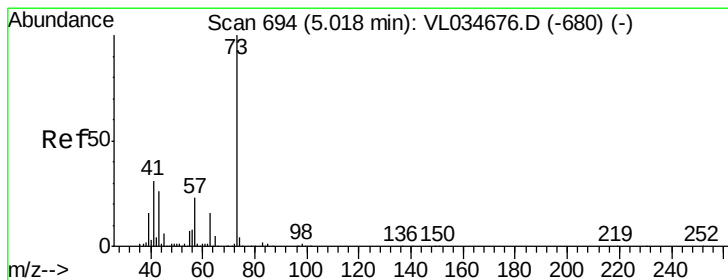
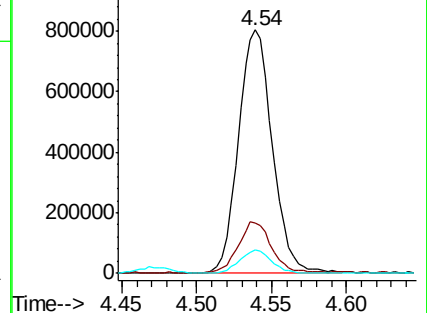
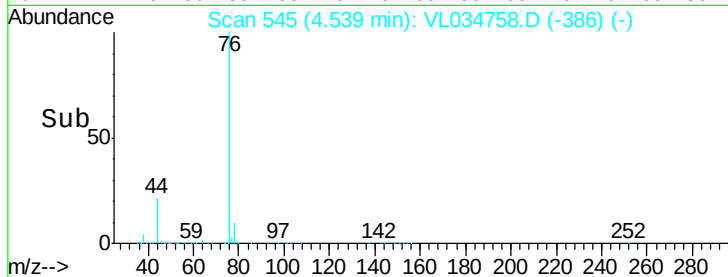
Ion	Ratio	Lower	Upper
76	100		
44	20.6	15.3	22.9
78	9.4	7.6	11.4



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.072 ppbv

RT: 5.03 min Scan# 697

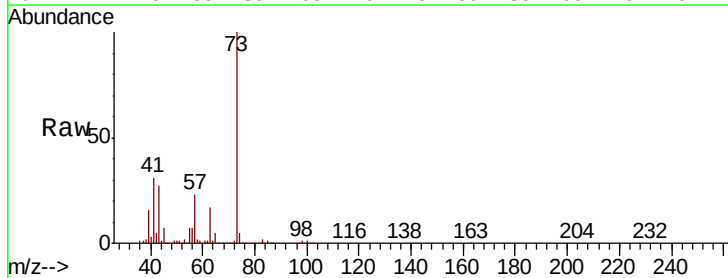
Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

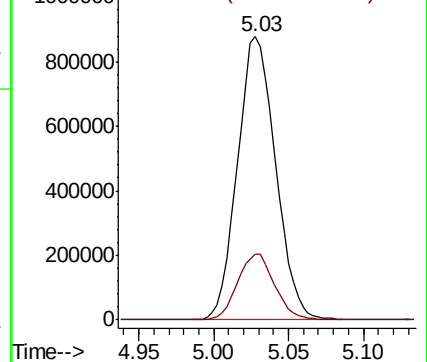
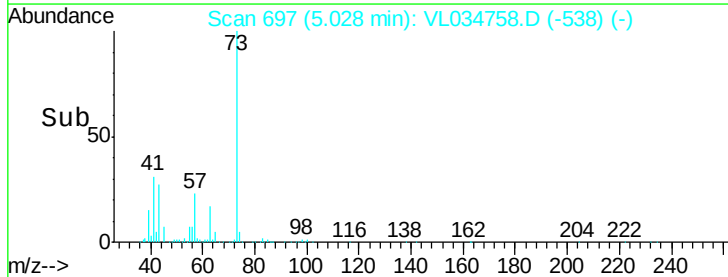
Tgt Ion: 73 Resp: 1556027

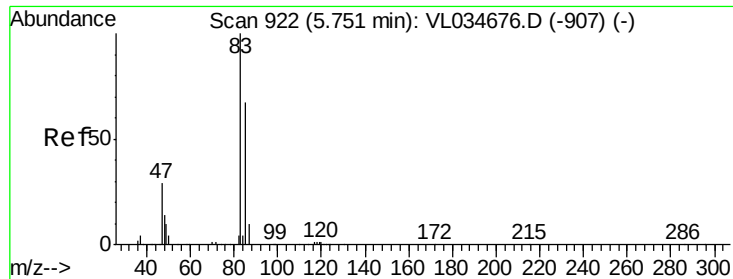
Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.6	28.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

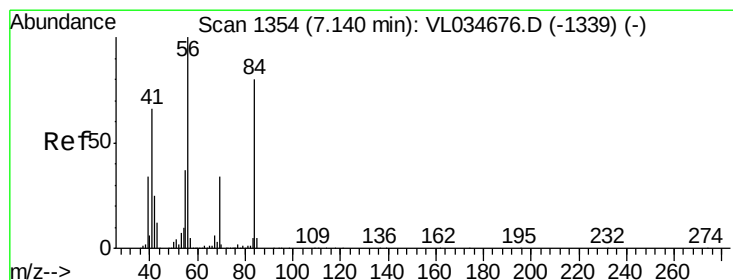
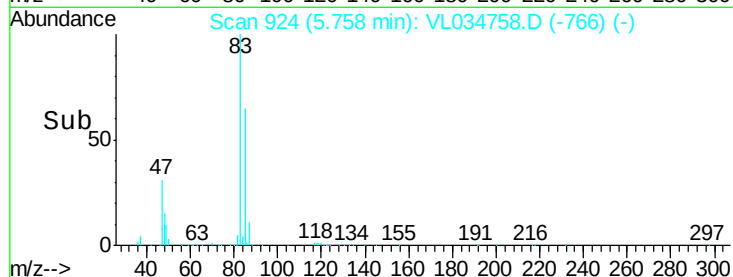
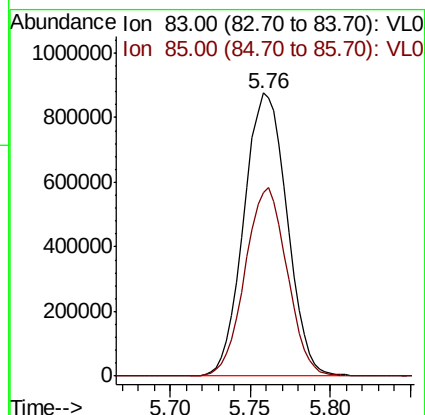
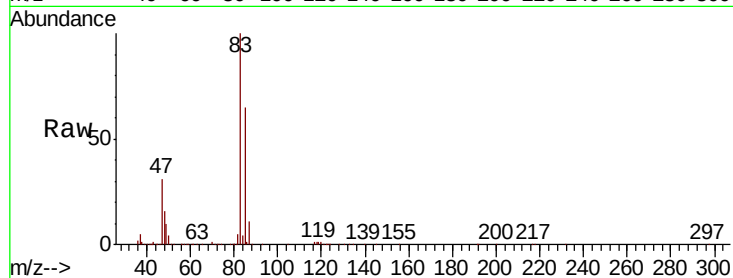




#29
Chloroform
Concen: 9.377 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

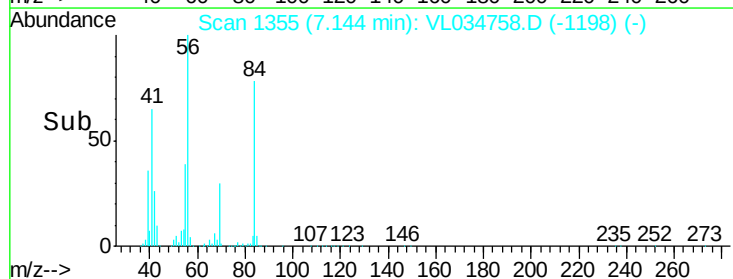
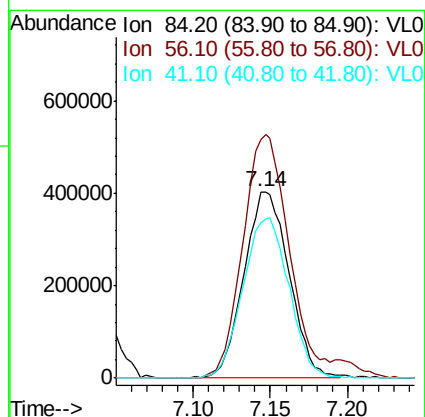
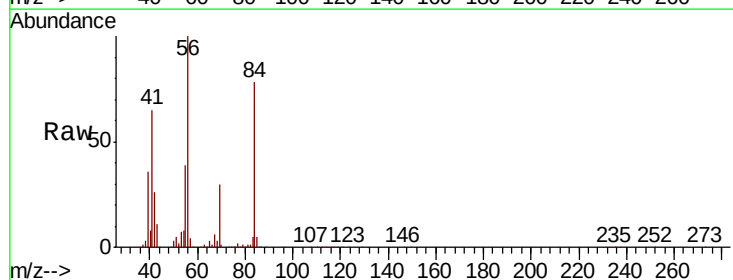
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

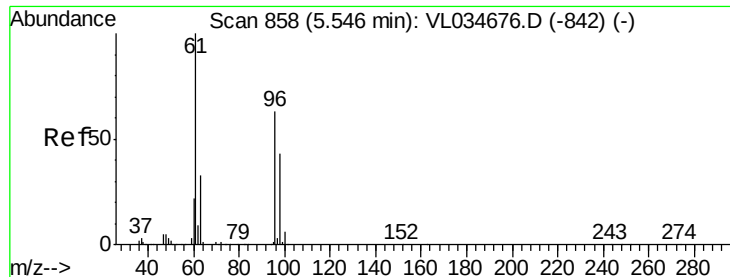
Tot Ion: 83 Resp: 1615704
Ion Ratio Lower Upper
83 100
85 64.5 53.9 80.9



#30
Cyclohexane
Concen: 9.766 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.00 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Tgt Ion: 84 Resp: 818471
Ion Ratio Lower Upper
84 100
56 139.7 113.4 170.2
41 88.2 68.2 102.4





#31

cis-1,2-Dichloroethene

Concen: 9.970 ppbv

RT: 5.55 min Scan# 860

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

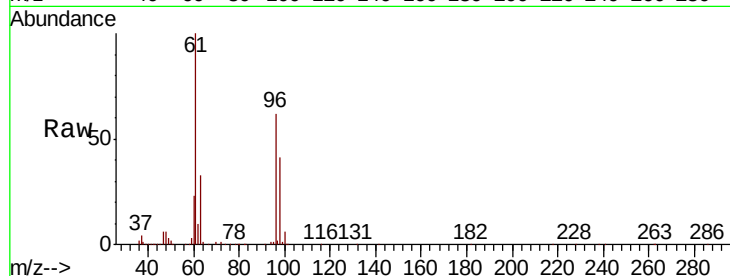
Tot Ion: 61 Resp: 1061069

Ion Ratio Lower Upper

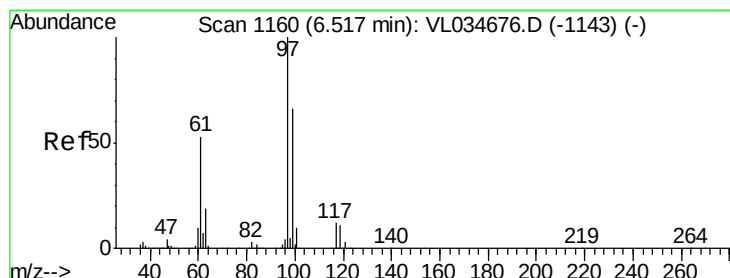
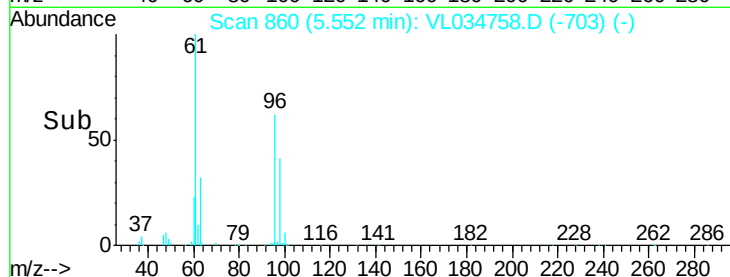
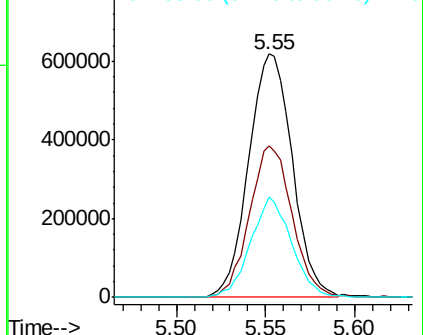
61 100

96 62.0 50.2 75.2

98 41.1 34.3 51.5



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.758 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

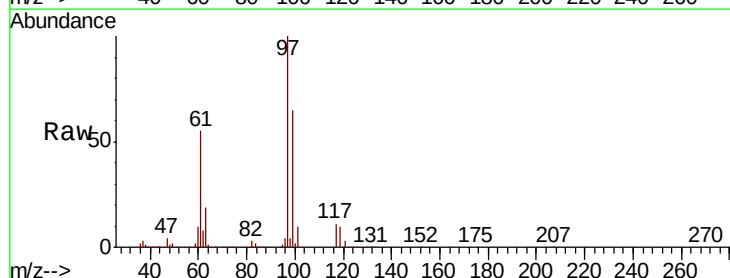
Tgt Ion: 97 Resp: 1570049

Ion Ratio Lower Upper

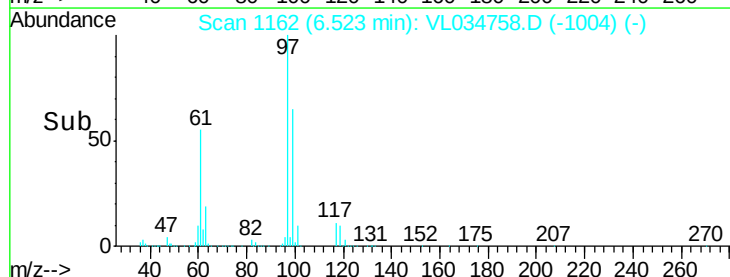
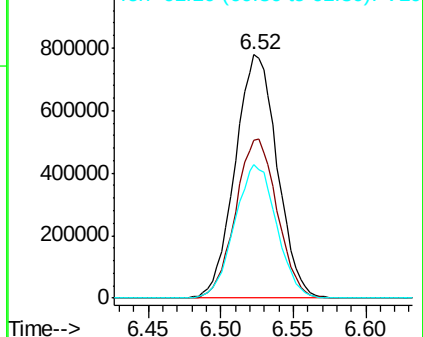
97 100

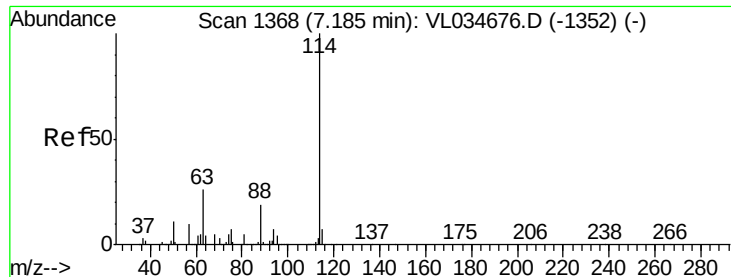
99 64.9 52.3 78.5

61 54.7 42.8 64.2



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

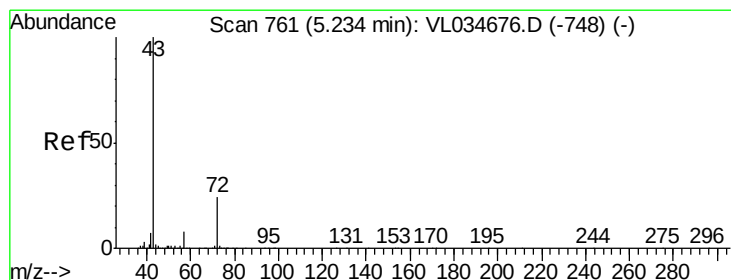
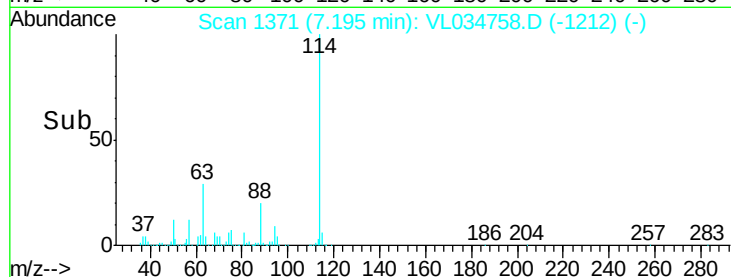
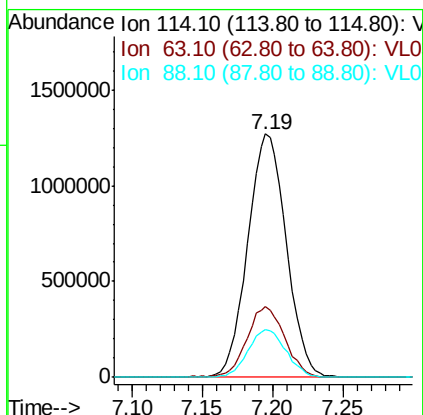
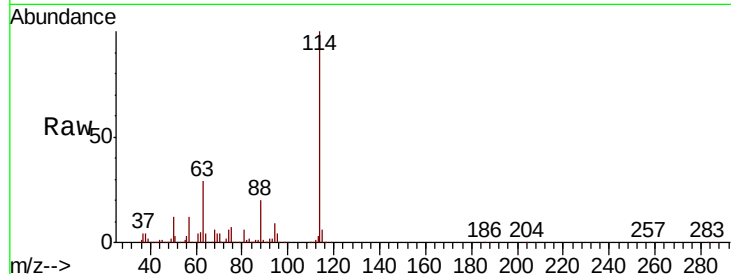




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

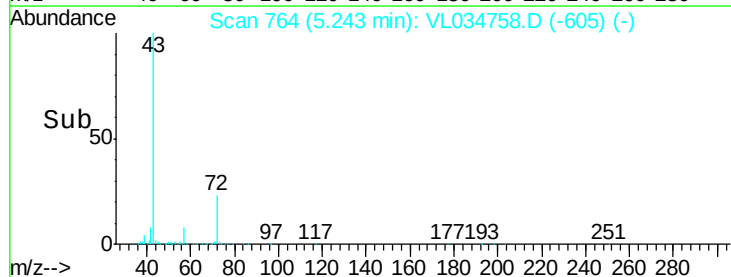
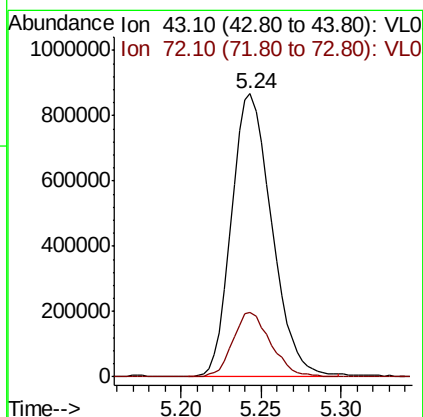
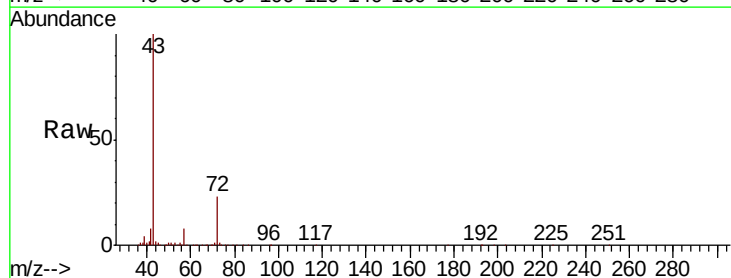
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

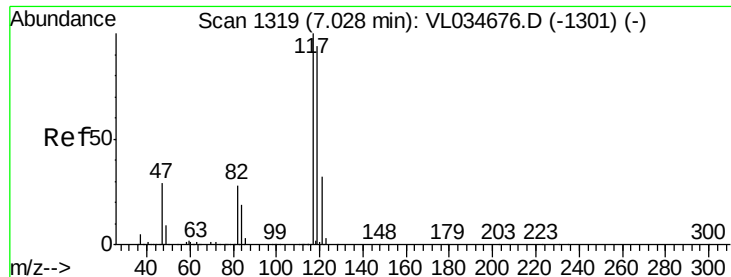
Tot Ion:114 Resp: 2428870
 Ion Ratio Lower Upper
 114 100
 63 29.0 22.9 34.3
 88 19.4 15.8 23.6



#34
 2-Butanone
 Concen: 9.706 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion: 43 Resp: 1483839
 Ion Ratio Lower Upper
 43 100
 72 21.8 18.2 27.2





#35

Carbon Tetrachloride

Concen: 9.998 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

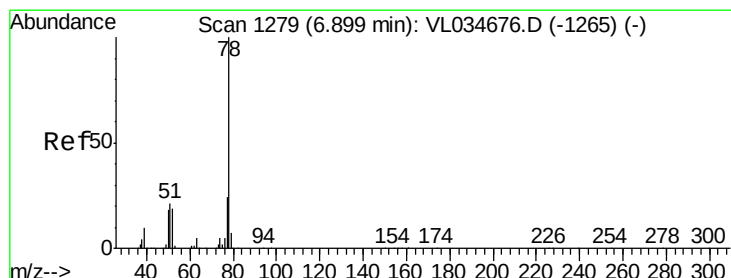
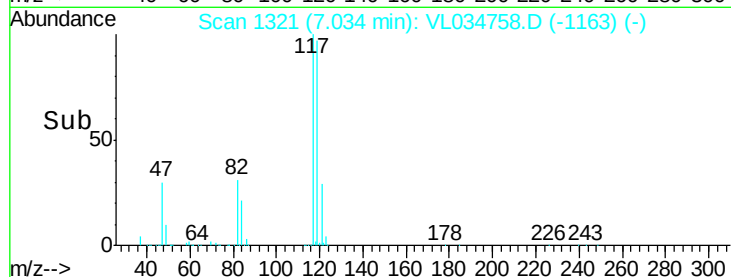
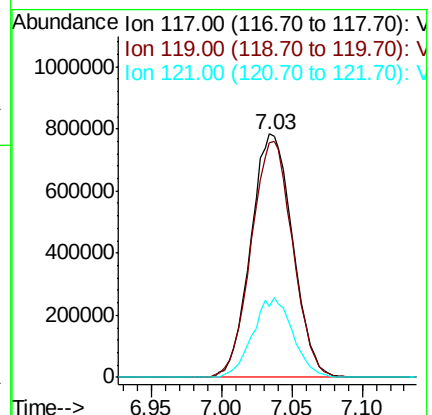
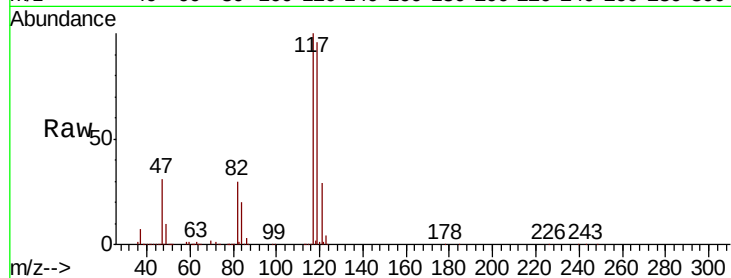
Tot Ion:117 Resp: 1626282

Ion Ratio Lower Upper

117 100

119 96.2 75.5 113.3

121 29.3 25.4 38.0



#36

Benzene

Concen: 9.417 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

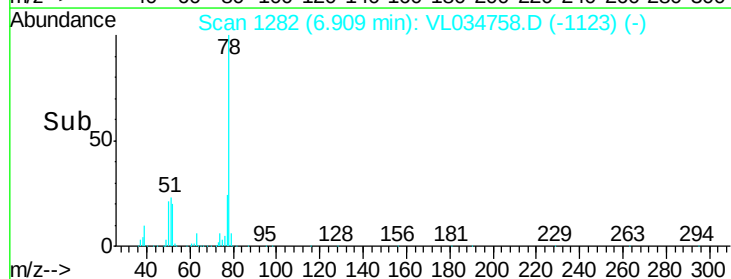
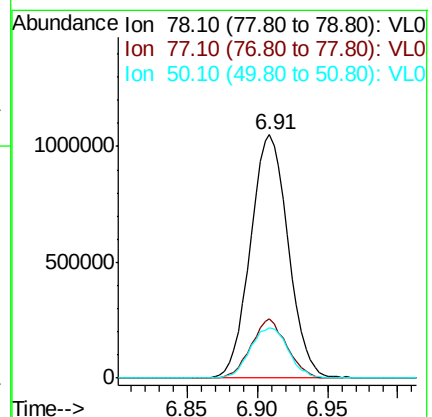
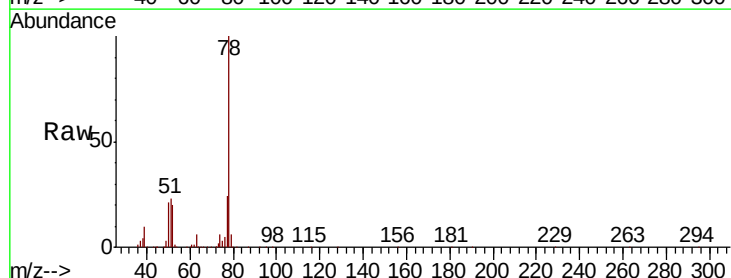
Tgt Ion: 78 Resp: 1975472

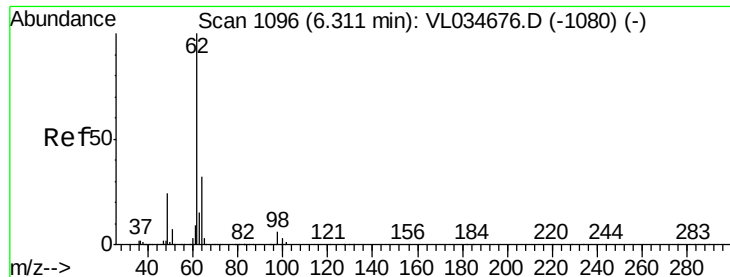
Ion Ratio Lower Upper

78 100

77 24.2 19.5 29.3

50 20.5 14.6 21.8





#37

1,2-Dichloroethane

Concen: 10.033 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

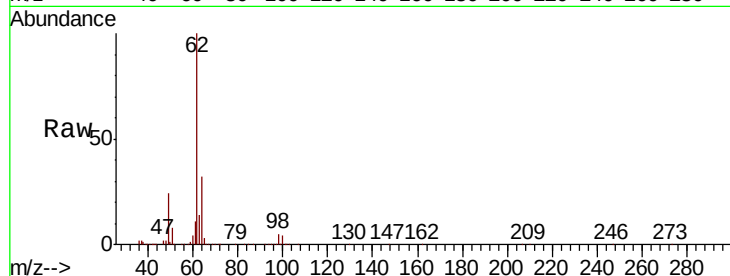
VSTDCCC010

Tot Ion: 62 Resp: 1326749

Ion Ratio Lower Upper

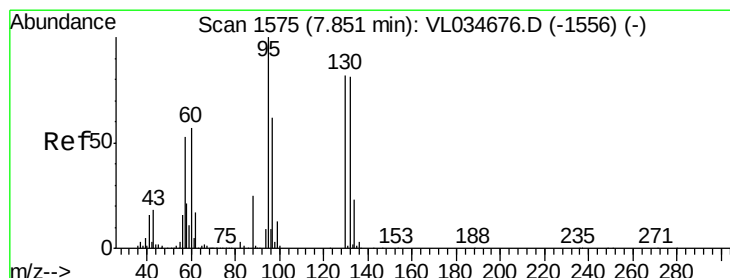
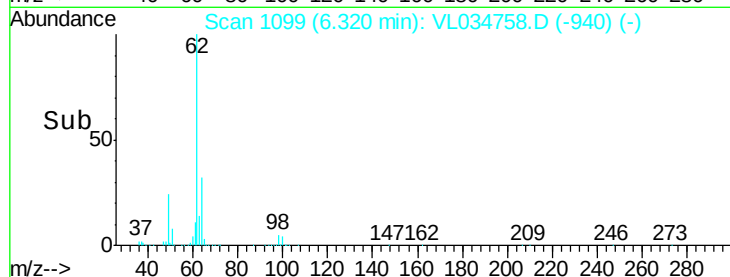
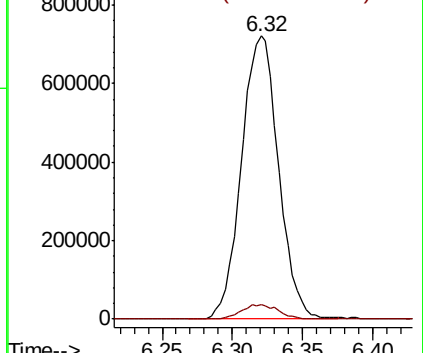
62 100

98 5.3 4.7 7.1



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.319 ppbv

RT: 7.86 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Tgt Ion: 130 Resp: 753519

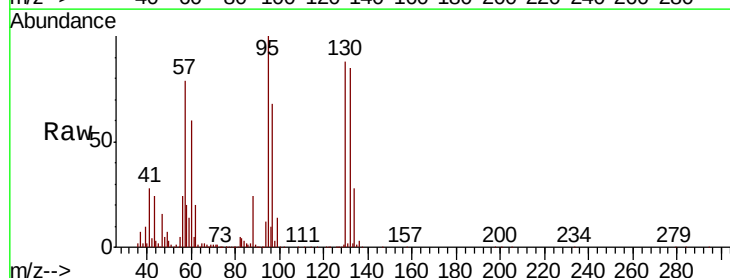
Ion Ratio Lower Upper

130 100

95 112.9 97.1 145.7

132 95.8 78.3 117.5

97 77.3 60.1 90.1

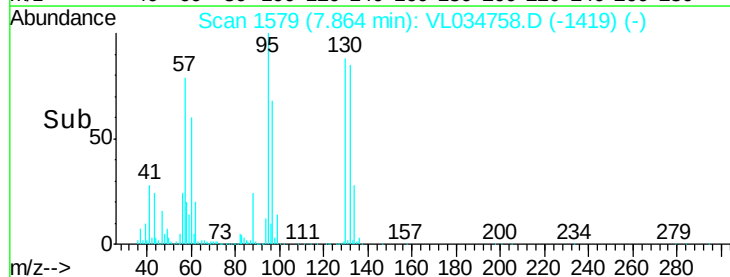
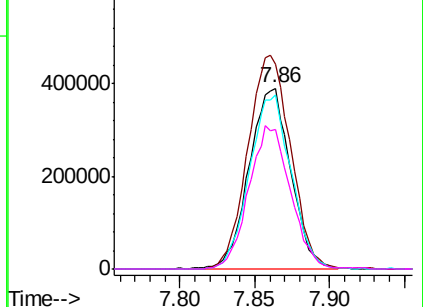


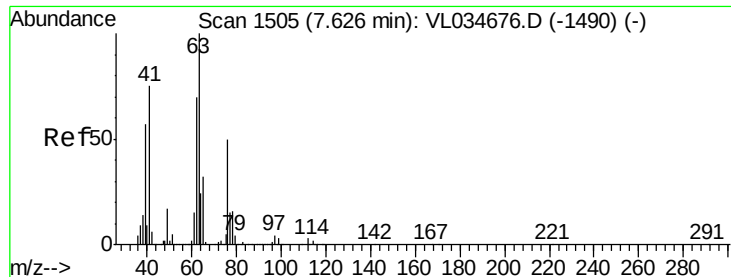
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.582 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

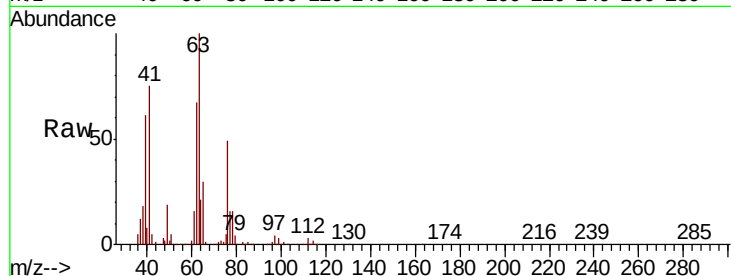
Tot Ion: 63 Resp: 799755

Ion Ratio Lower Upper

63 100

41 75.1 60.2 90.4

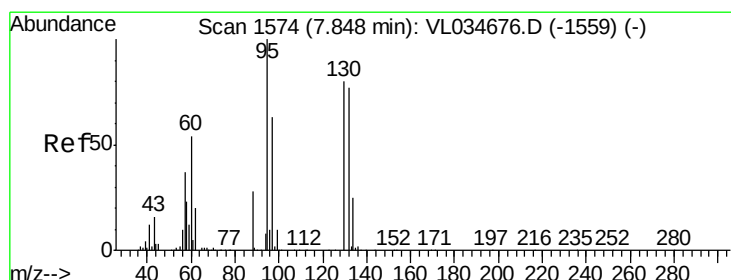
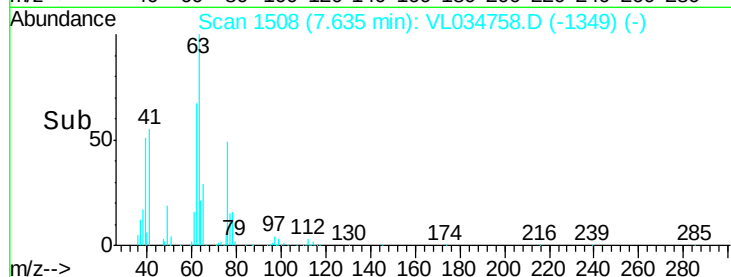
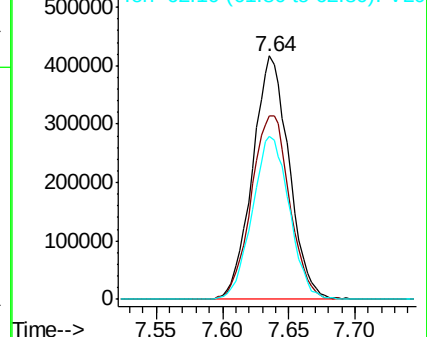
62 66.9 56.3 84.5



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: 10.472 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Tgt Ion: 88 Resp: 297232

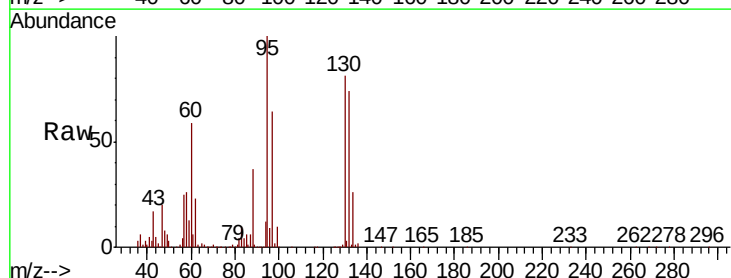
Ion Ratio Lower Upper

88 100

58 135.6 104.6 156.8

43 0.0 212.9 319.3#

57 0.0 935.2 1402.8#

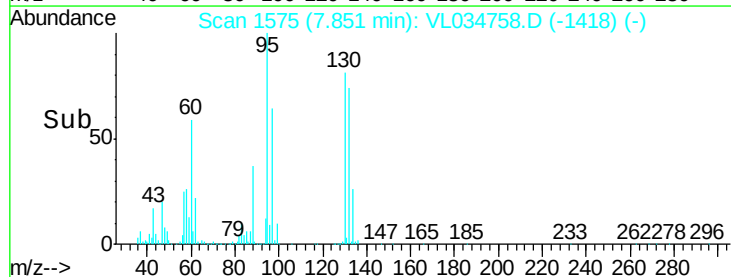
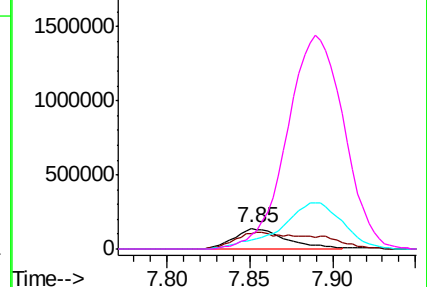


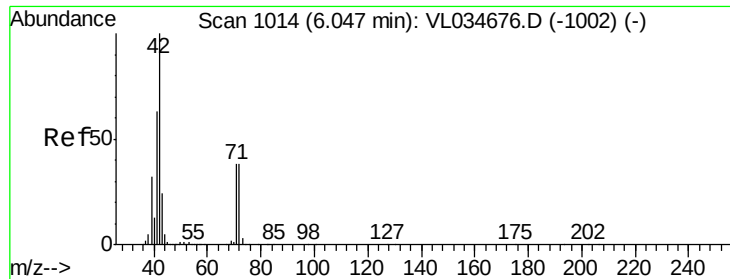
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

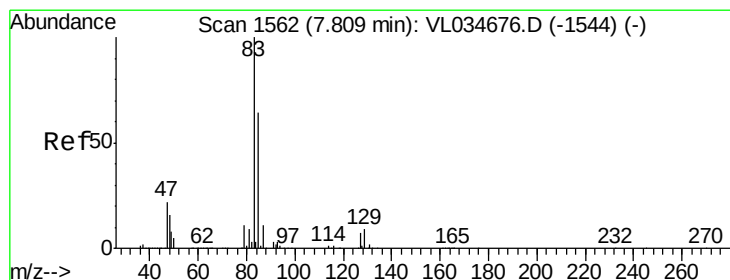
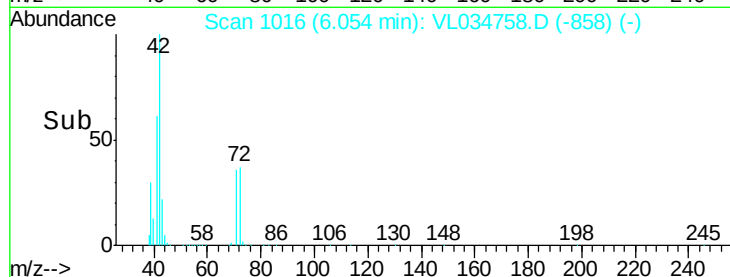
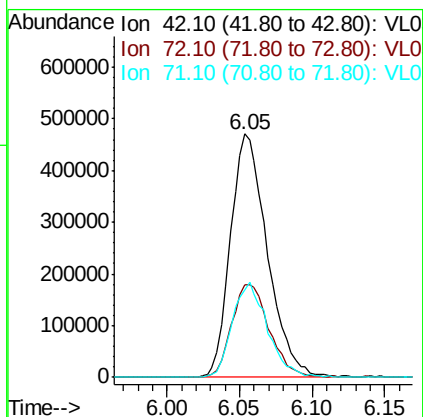
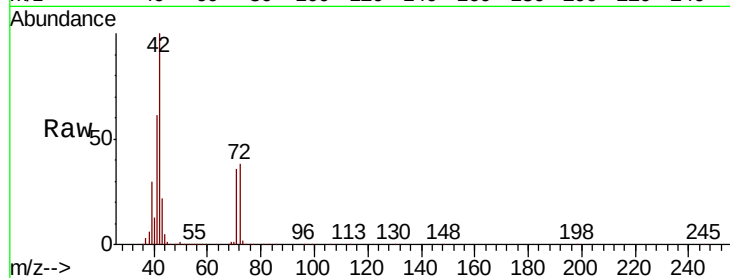




#41
Tetrahydrofuran
Concen: 10.276 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

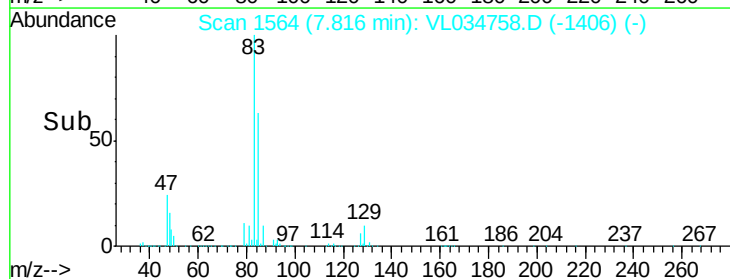
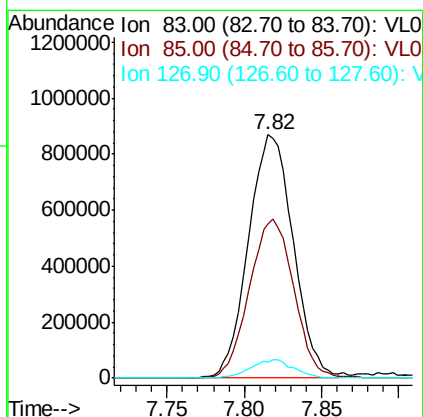
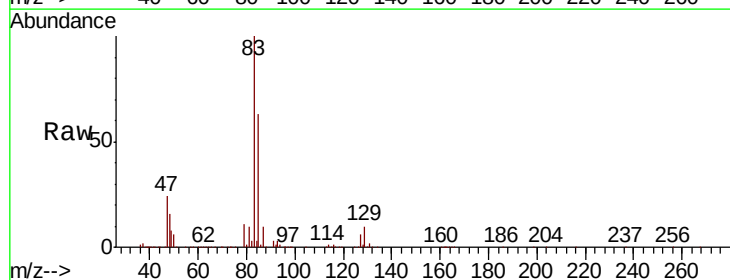
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

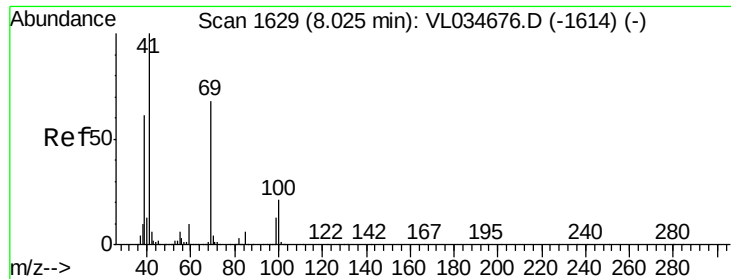
Tot Ion: 42 Resp: 829219
Ion Ratio Lower Upper
42 100
72 39.0 31.7 47.5
71 37.5 30.7 46.1



#42
Bromodichloromethane
Concen: 10.109 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Tgt Ion: 83 Resp: 1750185
Ion Ratio Lower Upper
83 100
85 63.4 51.1 76.7
127 6.4 5.8 8.8

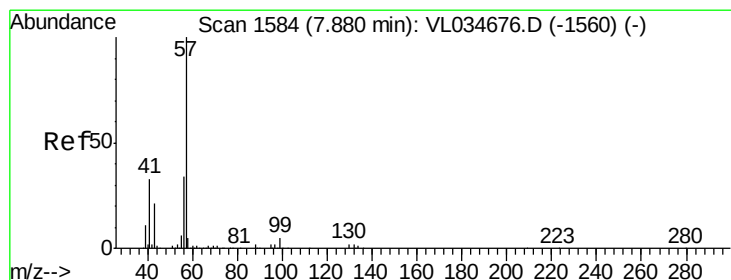
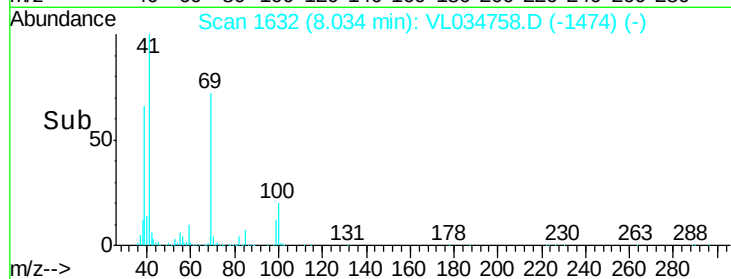
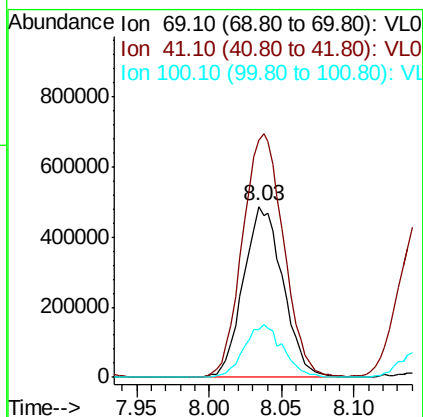
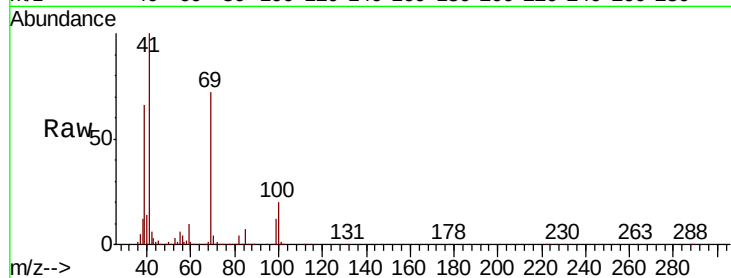




#43
Methyl Methacrylate
Concen: 10.487 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

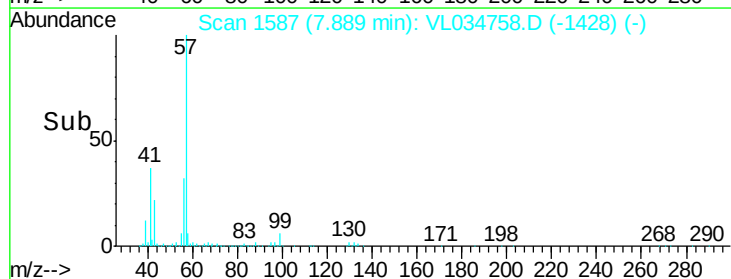
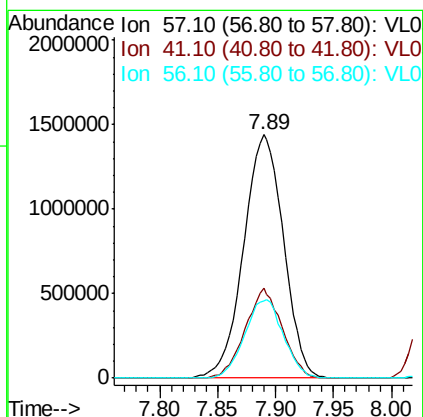
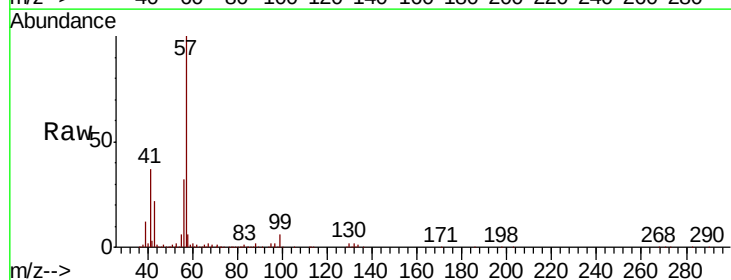
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

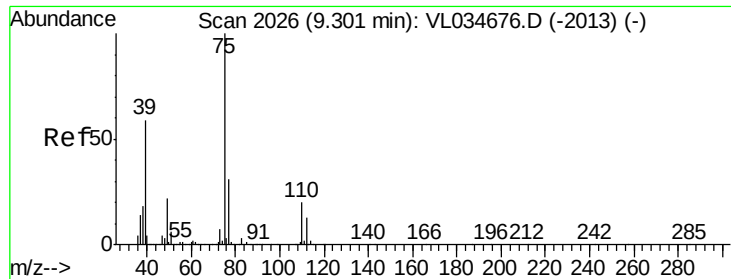
Tot Ion: 69 Resp: 925315
Ion Ratio Lower Upper
69 100
41 147.7 118.2 177.2
100 30.3 24.2 36.2



#44
2,2,4-Trimethylpentane
Concen: 9.353 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Tgt Ion: 57 Resp: 3429120
Ion Ratio Lower Upper
57 100
41 34.4 26.0 39.0
56 31.6 25.6 38.4





#45

t-1,3-Dichloropropene

Concen: 11.523 ppbv

RT: 9.31 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

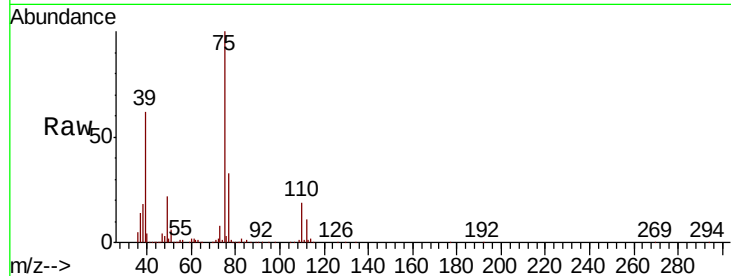
VSTDCCC010

Tot Ion: 75 Resp: 1109534

Ion Ratio Lower Upper

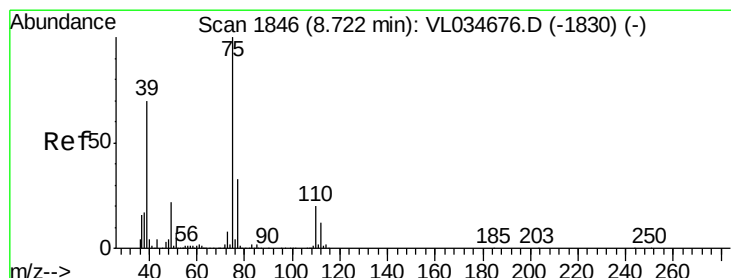
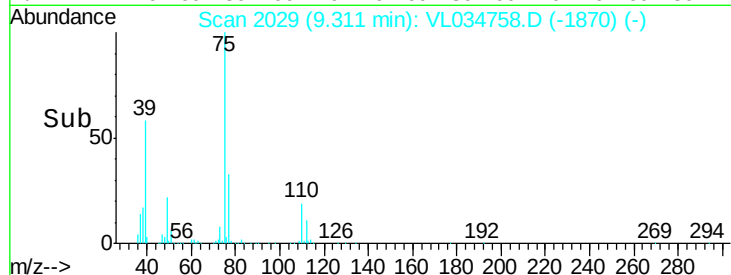
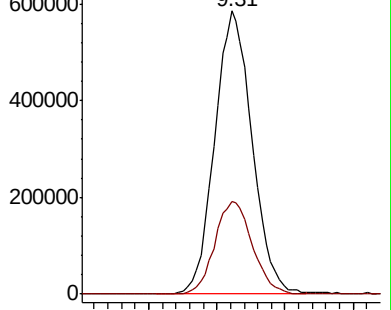
75 100

77 32.7 25.3 37.9



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.924 ppbv

RT: 8.73 min Scan# 1849

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

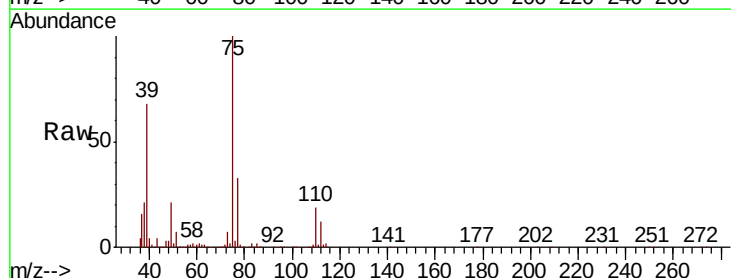
Tgt Ion: 75 Resp: 1261437

Ion Ratio Lower Upper

75 100

39 67.5 55.7 83.5

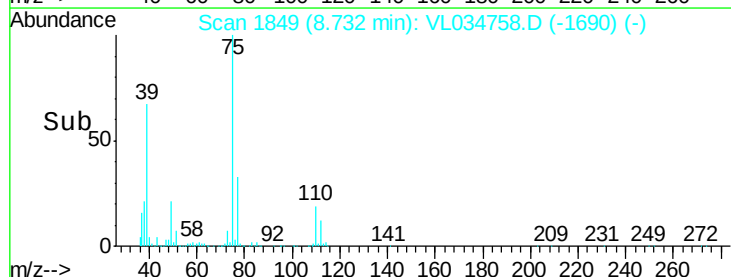
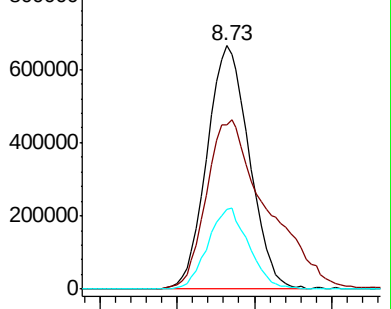
77 33.0 26.3 39.5

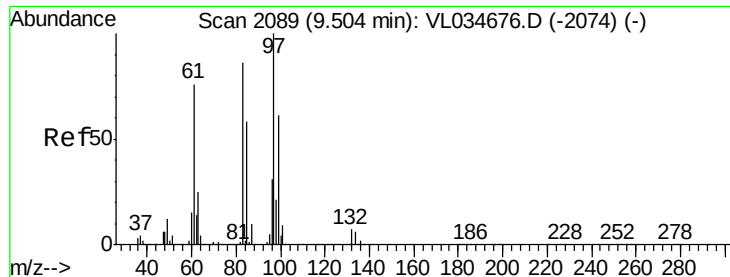


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.475 ppbv

RT: 9.51 min Scan# 2092

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 97 Resp: 811281

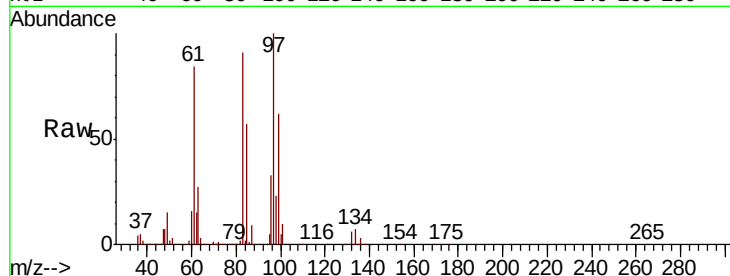
Ion Ratio Lower Upper

97 100

83 90.6 69.4 104.0

85 57.0 46.4 69.6

99 61.7 48.4 72.6

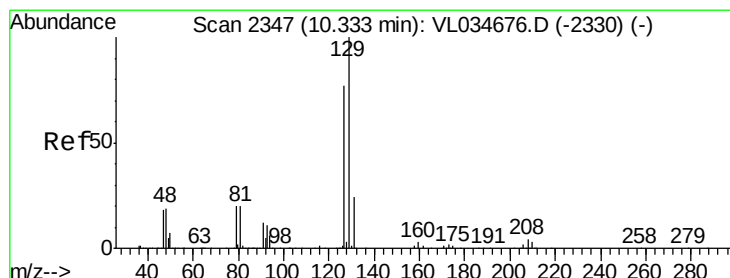
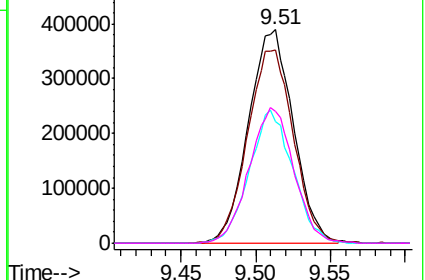
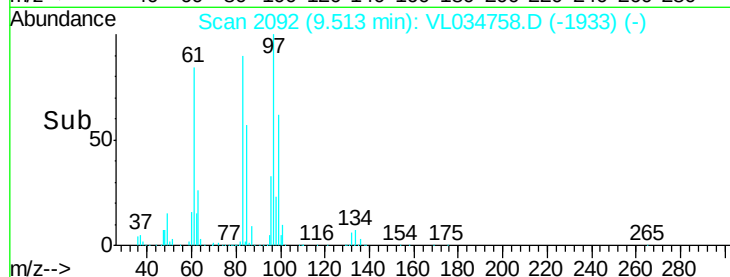


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 10.649 ppbv

RT: 10.34 min Scan# 2350

Delta R.T. 0.01 min

Lab File: VL034758.D

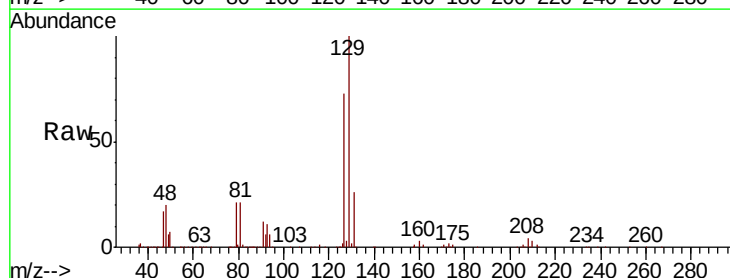
Acq: 3 Mar 2020 9:43

Tgt Ion: 129 Resp: 1417838

Ion Ratio Lower Upper

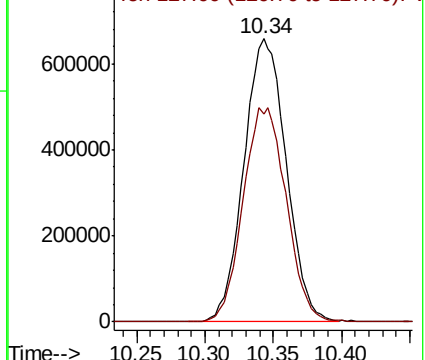
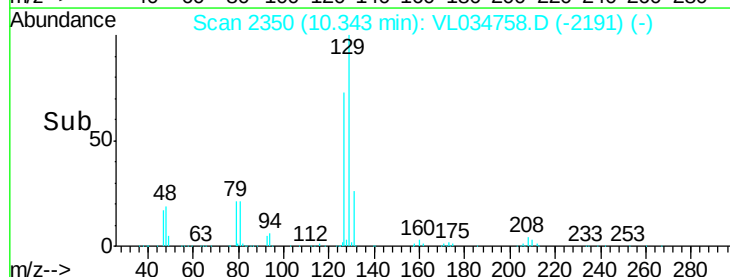
129 100

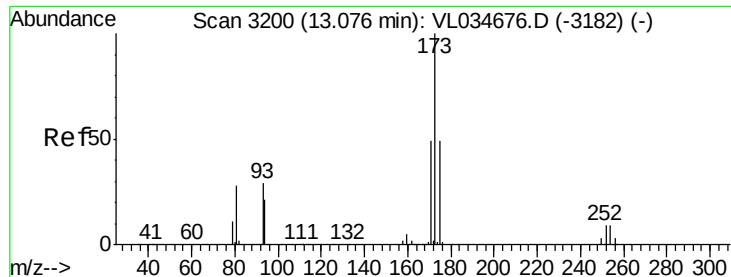
127 77.5 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.579 ppbv

RT: 13.09 min Scan# 3205

Delta R.T. 0.02 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

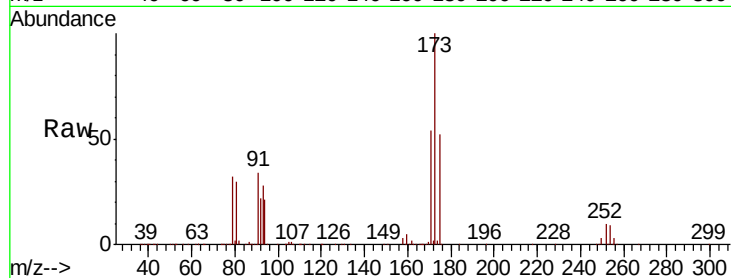
Tot Ion:173 Resp: 1221225

Ion Ratio Lower Upper

173 100

175 50.0 38.6 58.0

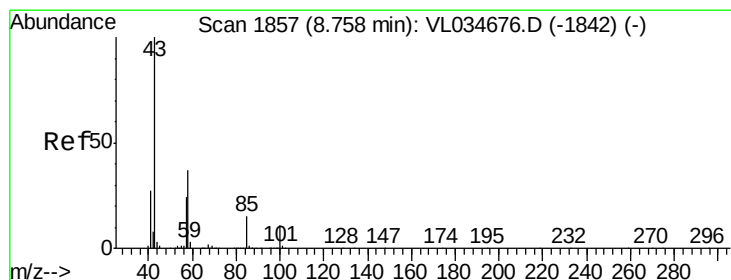
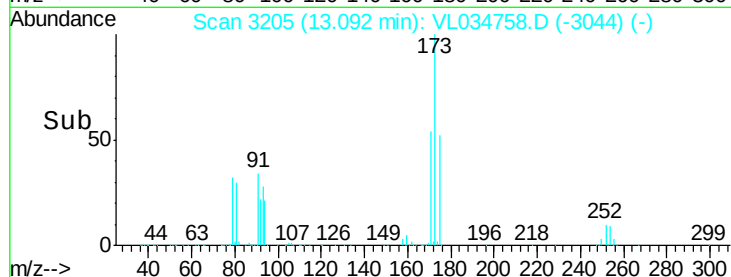
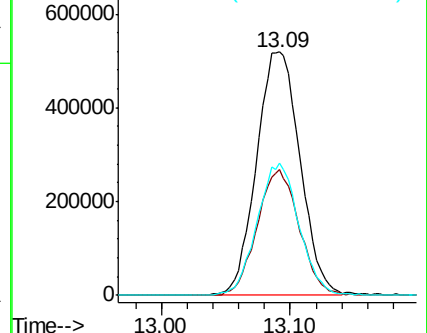
171 52.4 41.5 62.3



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: 10.180 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.01 min

Lab File: VL034758.D

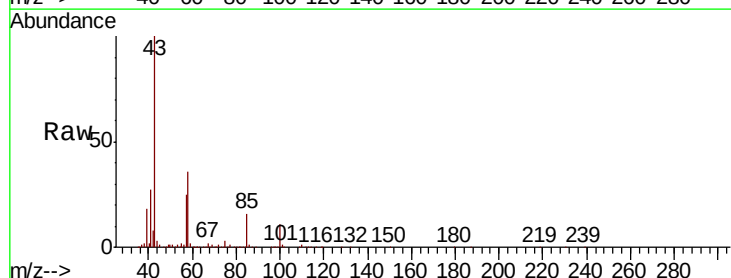
Acq: 3 Mar 2020 9:43

Tgt Ion: 43 Resp: 2204281

Ion Ratio Lower Upper

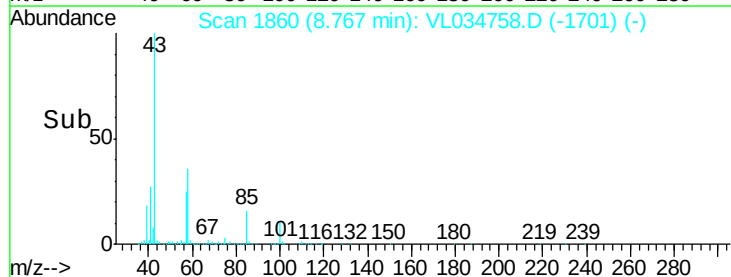
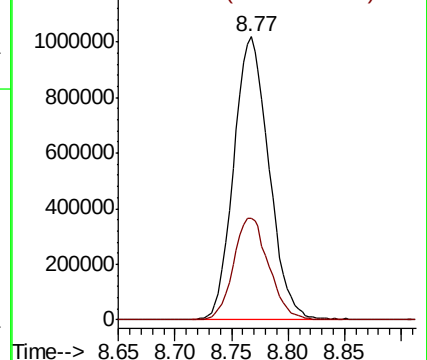
43 100

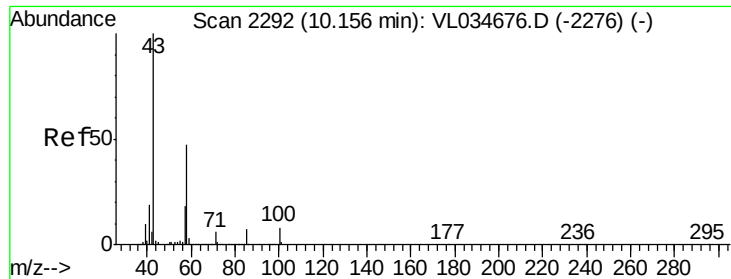
58 36.3 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

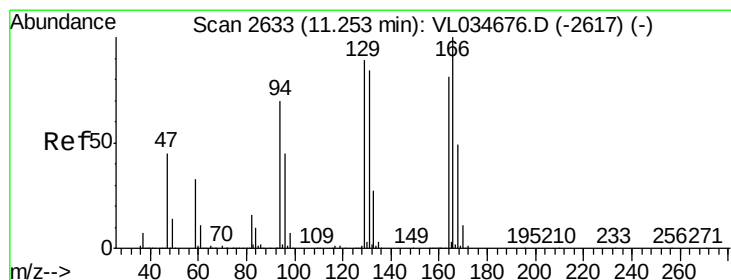
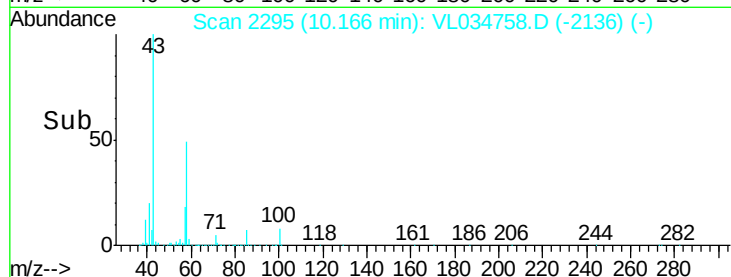
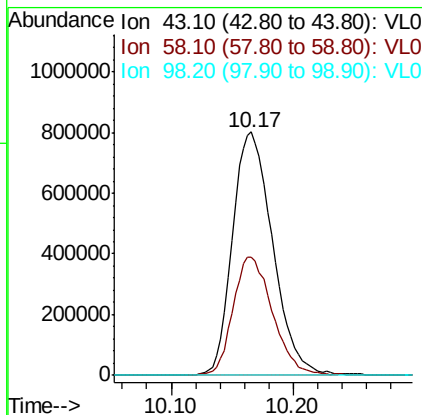
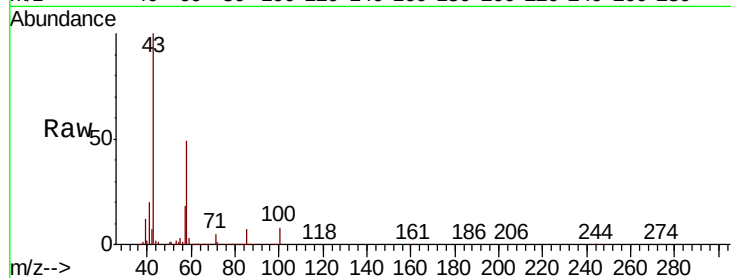




#51
2-Hexanone
Concen: 10.710 ppbv
RT: 10.17 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

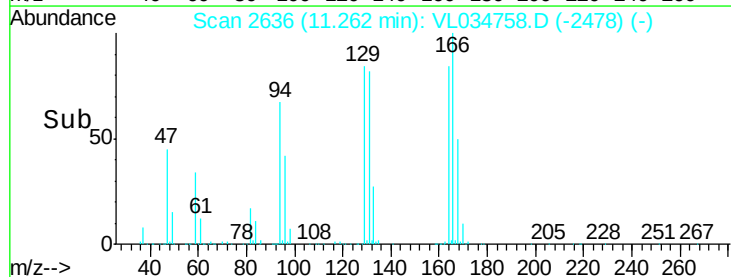
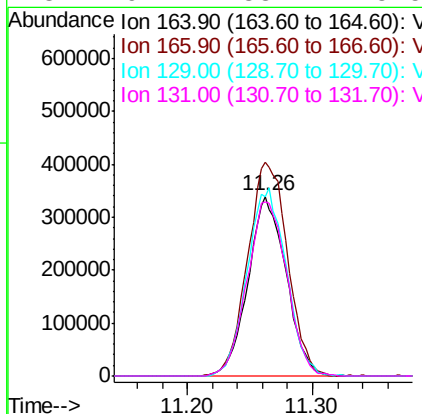
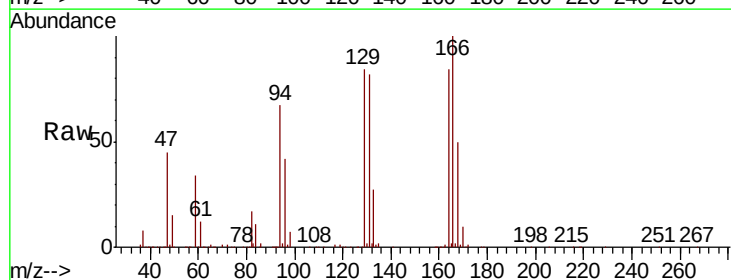
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

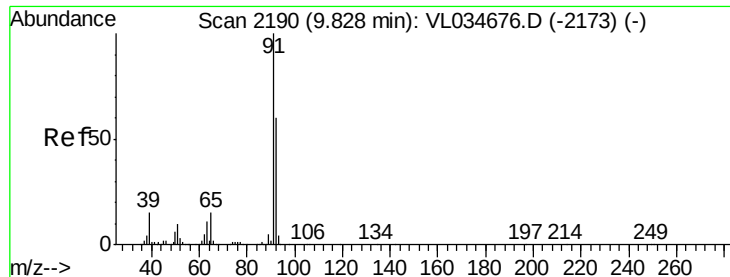
Tot Ion: 43 Resp: 1824995
Ion Ratio Lower Upper
43 100
58 48.2 39.4 59.0
98 0.3 0.2 0.2#



#52
Tetrachloroethene
Concen: 9.282 ppbv
RT: 11.26 min Scan# 2636
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Tgt Ion: 164 Resp: 713747
Ion Ratio Lower Upper
164 100
166 119.2 99.2 148.8
129 100.0 88.0 132.0
131 97.2 83.7 125.5





#53

Toluene

Concen: 10.174 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

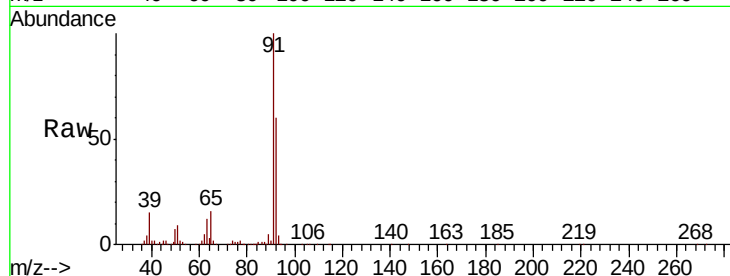
VSTDCCC010

Tot Ion: 91 Resp: 2269987

Ion Ratio Lower Upper

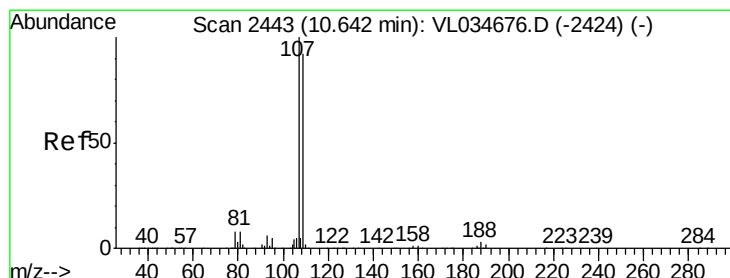
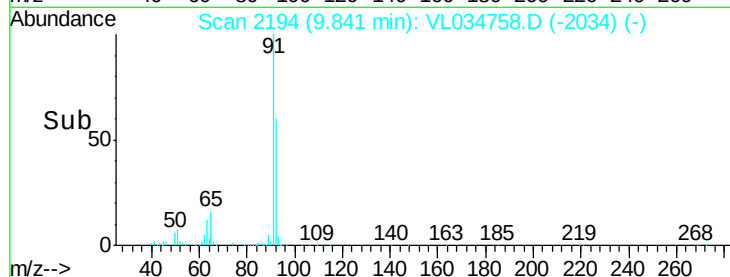
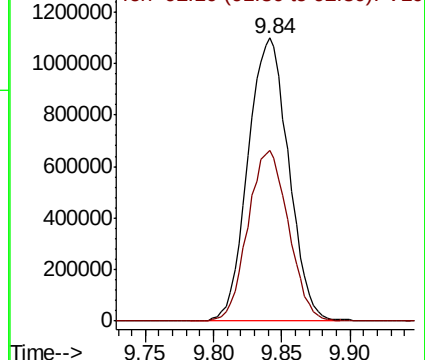
91 100

92 60.1 48.5 72.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.918 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. 0.01 min

Lab File: VL034758.D

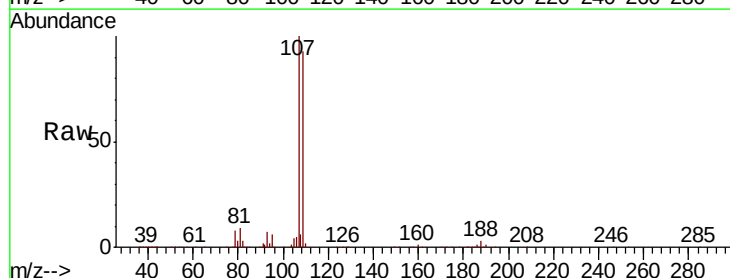
Acq: 3 Mar 2020 9:43

Tgt Ion: 107 Resp: 1266917

Ion Ratio Lower Upper

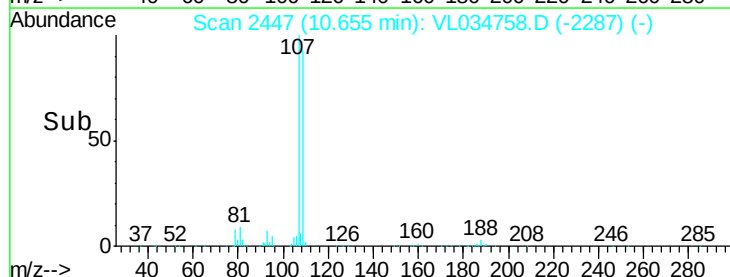
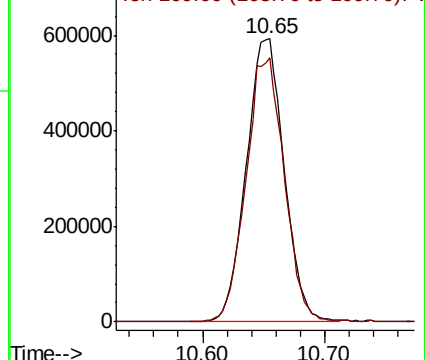
107 100

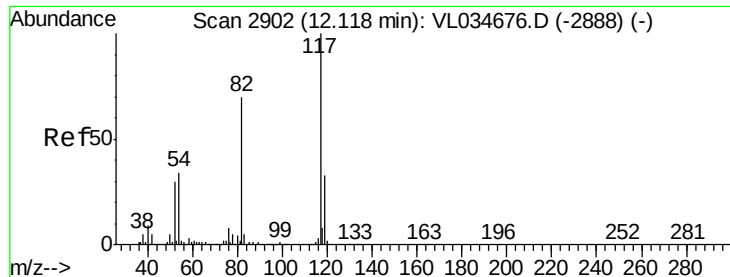
109 93.3 73.9 110.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

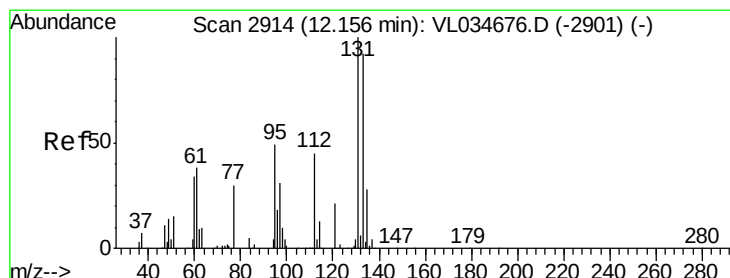
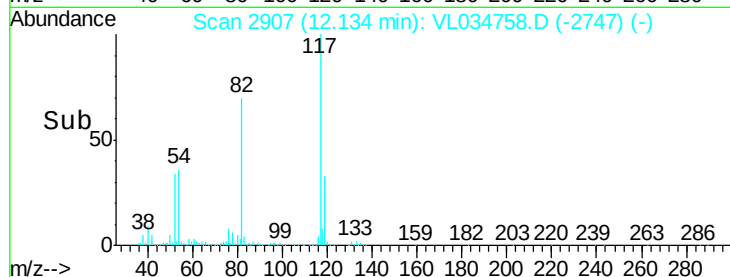
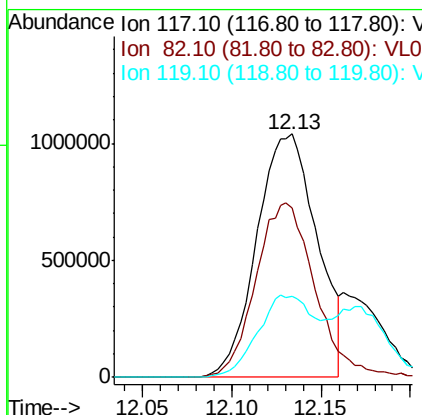
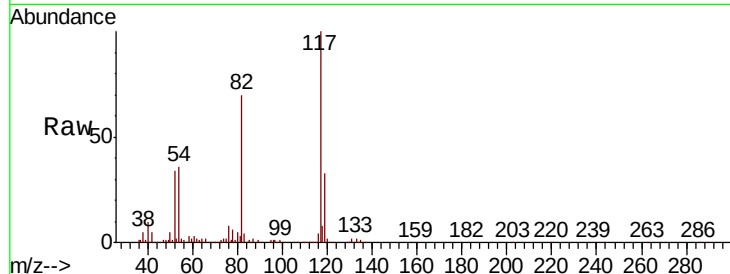




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.02 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

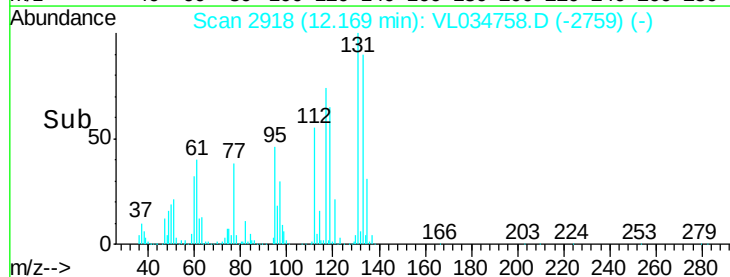
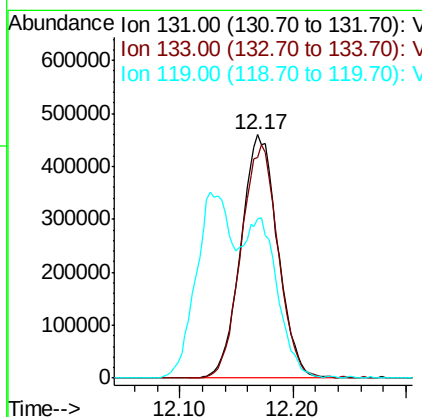
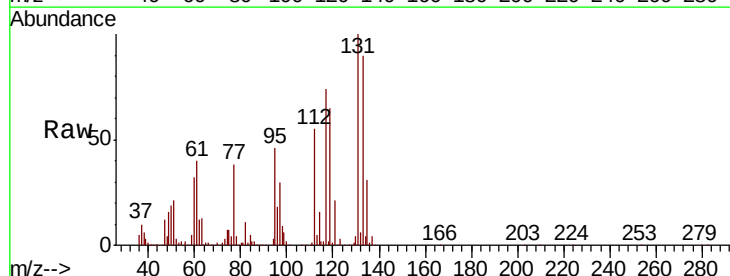
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

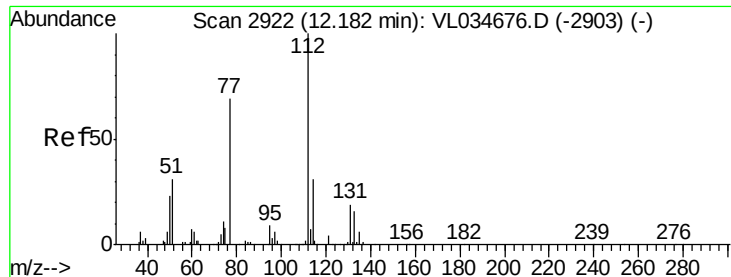
Tot Ion:117 Resp: 2446017
Ion Ratio Lower Upper
117 100
82 71.4 54.1 81.1
119 33.2 27.6 41.4



#56
1,1,1,2-Tetrachloroethane
Concen: 9.990 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Tgt Ion:131 Resp: 1040687
Ion Ratio Lower Upper
131 100
133 96.9 76.6 114.8
119 58.3 51.3 76.9





#57

Chlorobenzene

Concen: 9.475 ppbv

RT: 12.19 min Scan# 2925

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

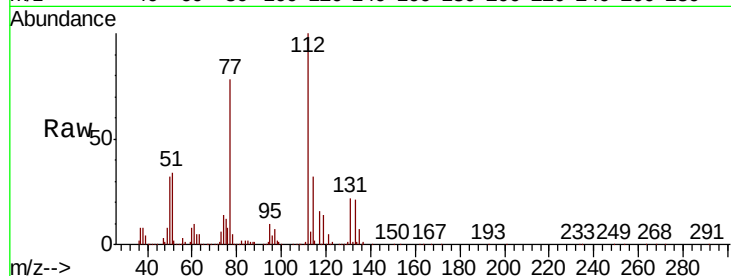
Tot Ion:112 Resp: 1712936

Ion Ratio Lower Upper

112 100

77 77.4 56.5 84.7

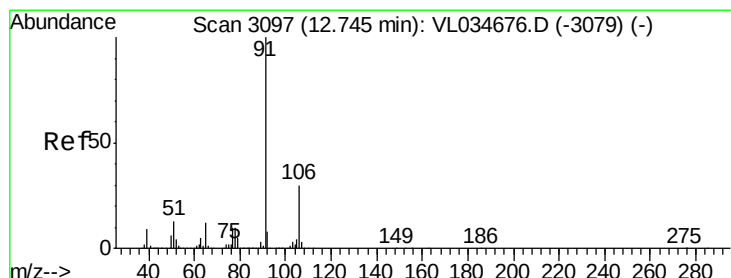
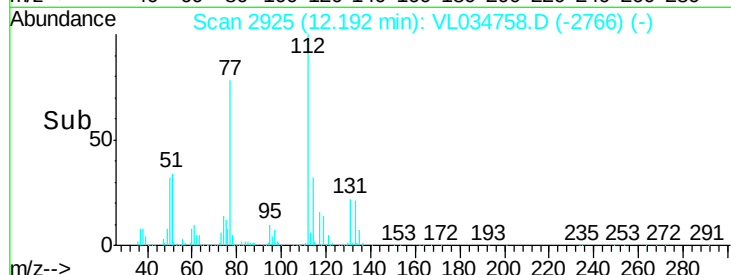
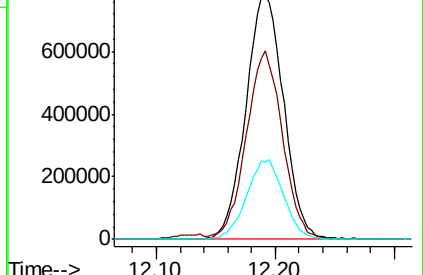
114 31.8 28.1 34.3



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: 10.377 ppbv

RT: 12.75 min Scan# 3100

Delta R.T. 0.01 min

Lab File: VL034758.D

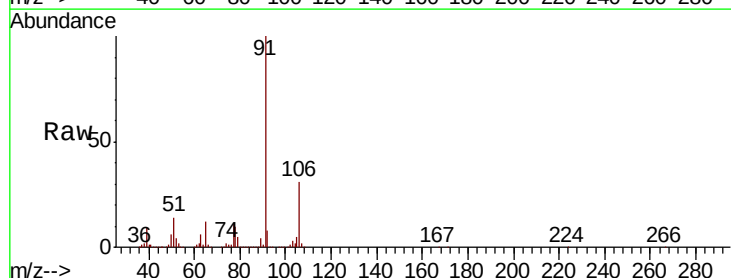
Acq: 3 Mar 2020 9:43

Tgt Ion: 91 Resp: 3070979

Ion Ratio Lower Upper

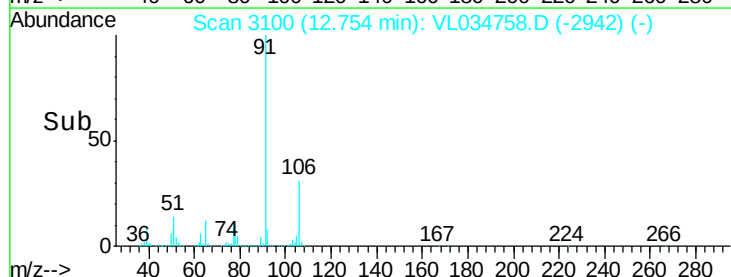
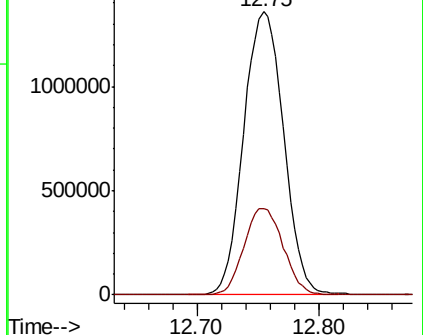
91 100

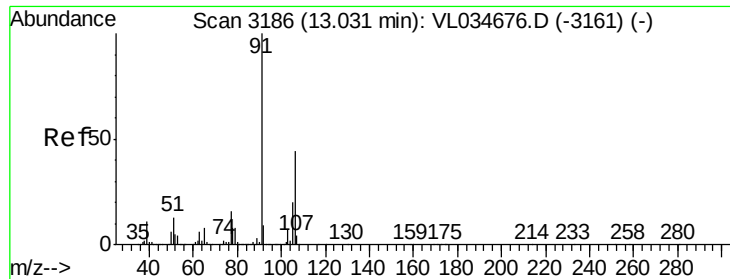
106 30.5 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.234 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

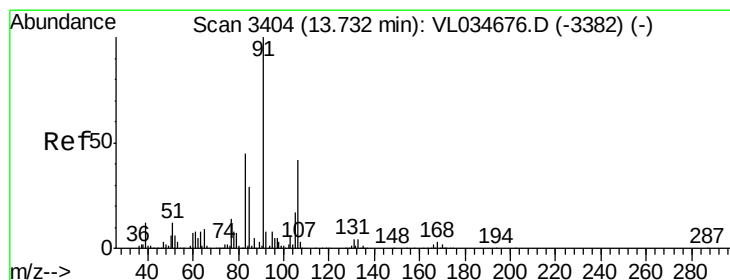
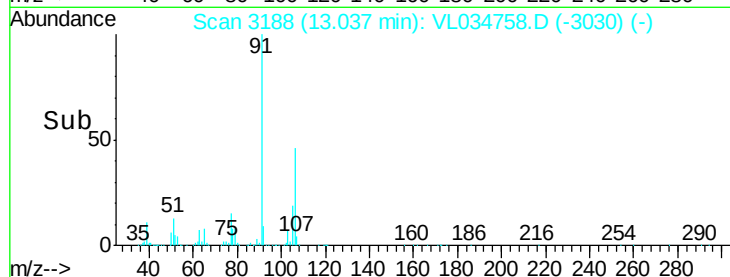
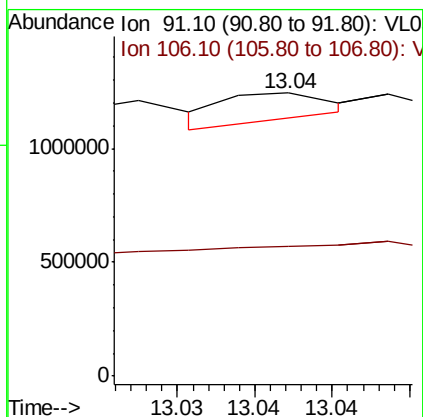
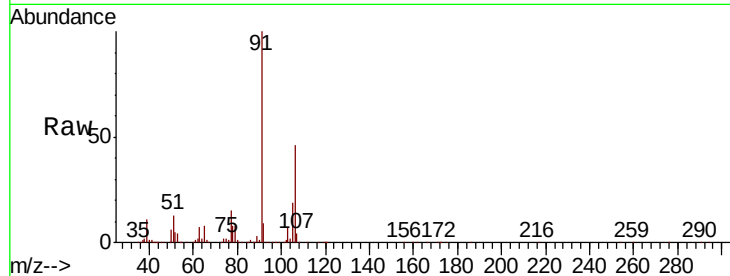
VSTDCCC010

Tot Ion: 91 Resp: 60348

Ion Ratio Lower Upper

91 100

106 3777.7 35.6 53.4#



#60

o-Xylene

Concen: 9.947 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. 0.01 min

Lab File: VL034758.D

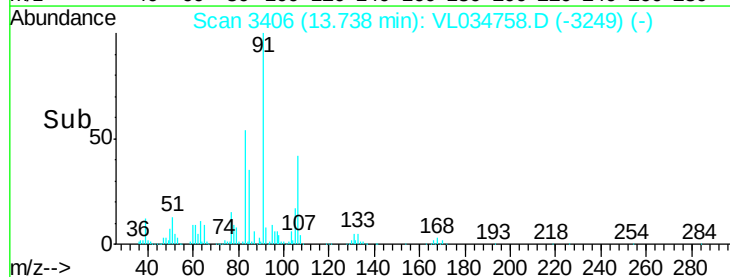
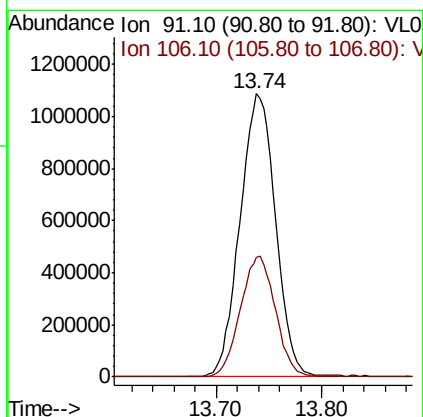
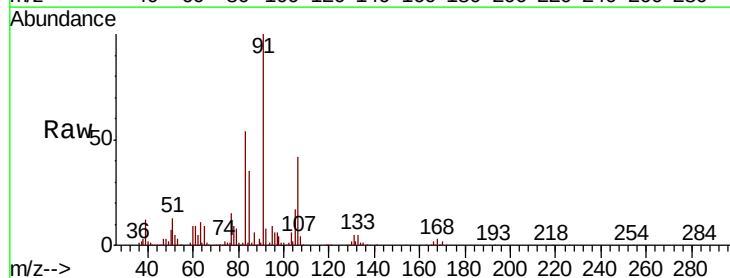
Acq: 3 Mar 2020 9:43

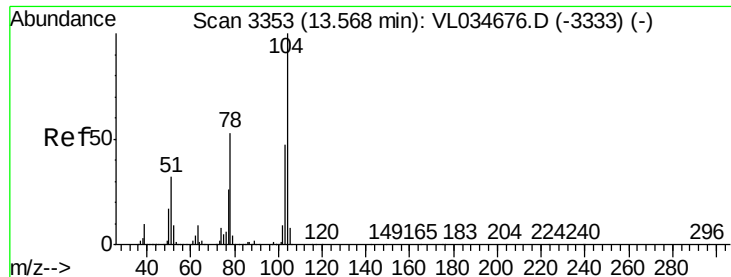
Tgt Ion: 91 Resp: 2547630

Ion Ratio Lower Upper

91 100

106 42.2 21.9 65.5





#61

Stvrene

Concen: 10.896 ppbv

RT: 13.58 min Scan# 3356

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

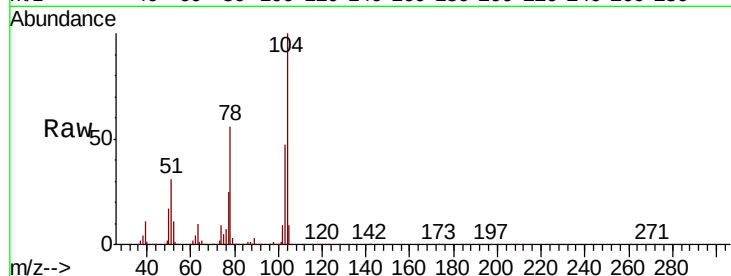
Tot Ion:104 Resp: 1792714

Ion Ratio Lower Upper

104 100

78 56.7 44.2 66.4

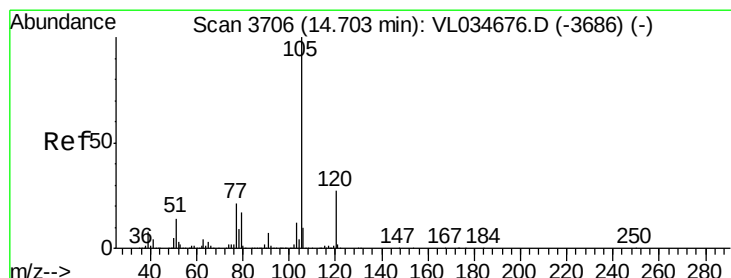
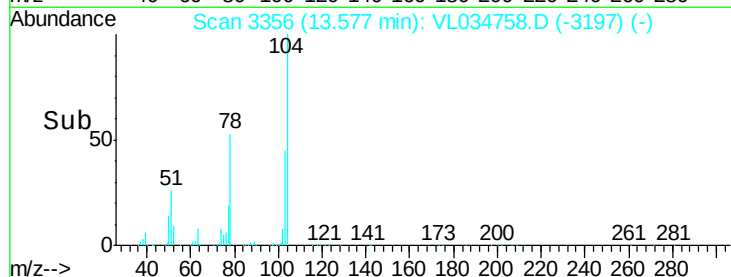
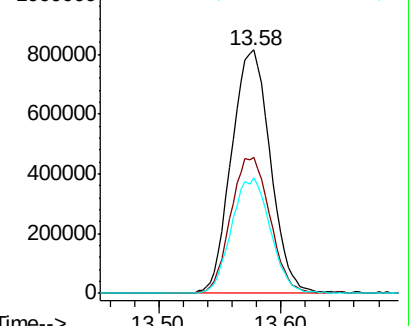
103 47.7 37.4 56.0



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: 9.851 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. 0.01 min

Lab File: VL034758.D

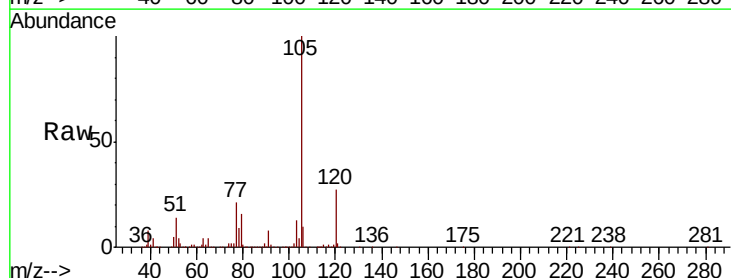
Acq: 3 Mar 2020 9:43

Tgt Ion:105 Resp: 3680573

Ion Ratio Lower Upper

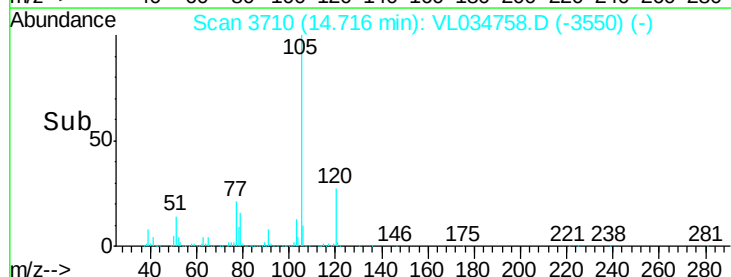
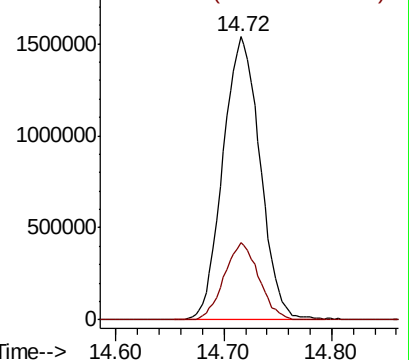
105 100

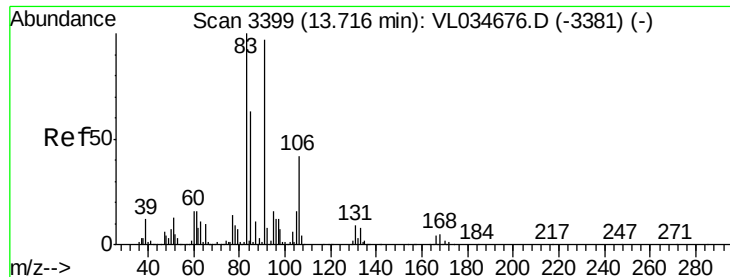
120 25.7 20.2 30.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

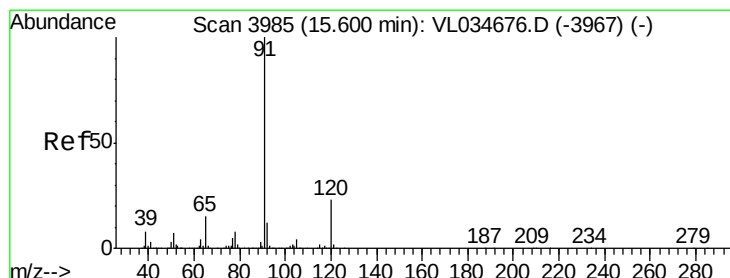
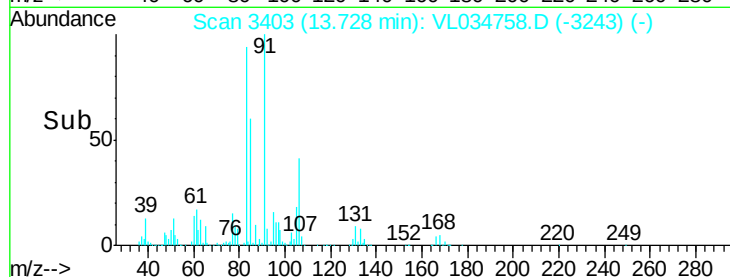
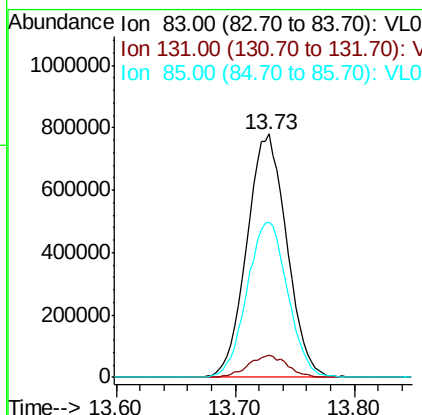
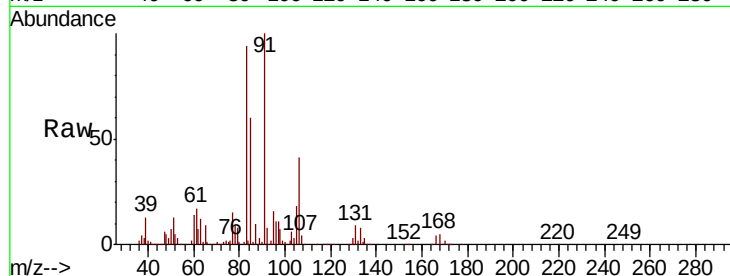




#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.068 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

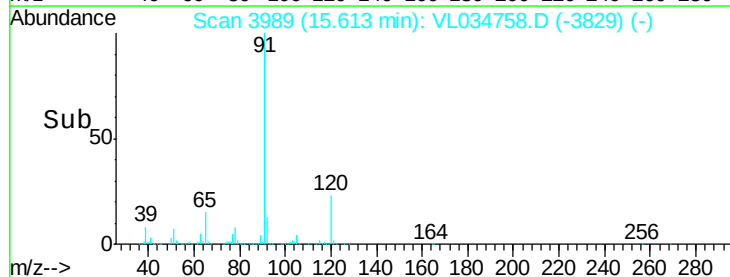
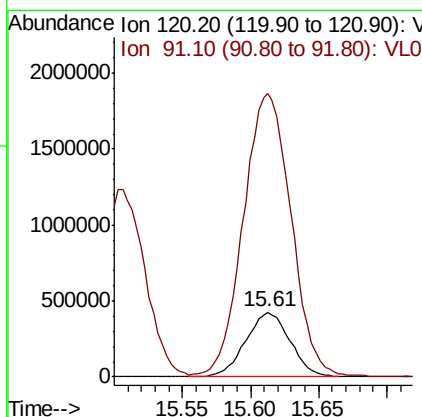
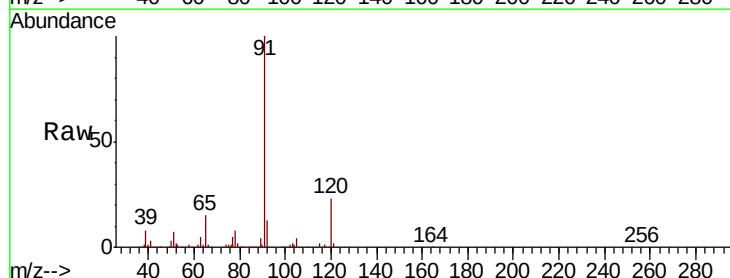
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

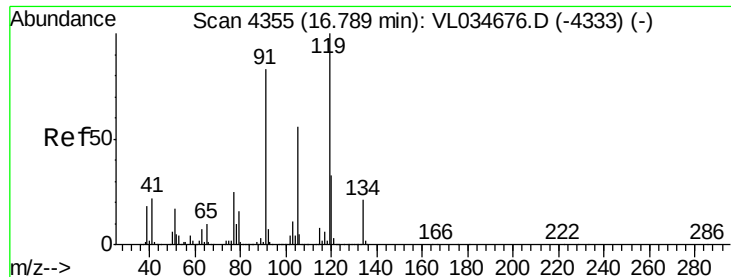
Tot Ion: 83 Resp: 1810106
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.4 13.2
 85 65.1 32.5 97.5



#64
 n-propylbenzene
 Concen: 9.985 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion: 120 Resp: 961802
 Ion Ratio Lower Upper
 120 100
 91 472.8 369.8 554.8

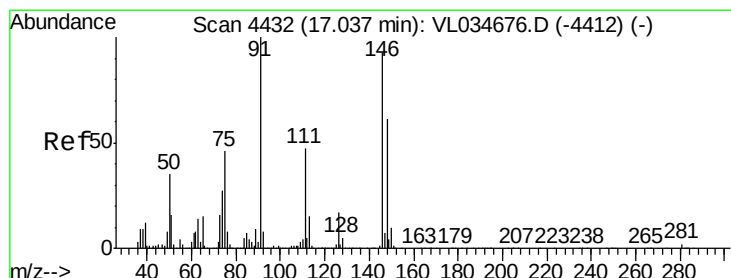
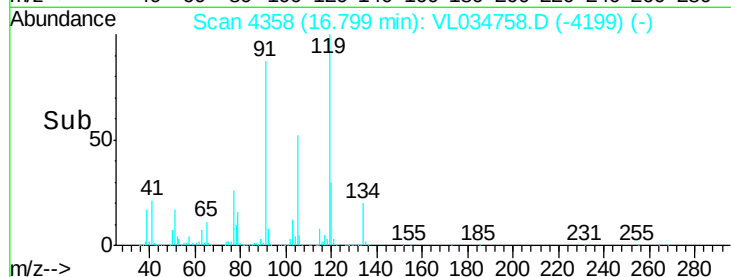
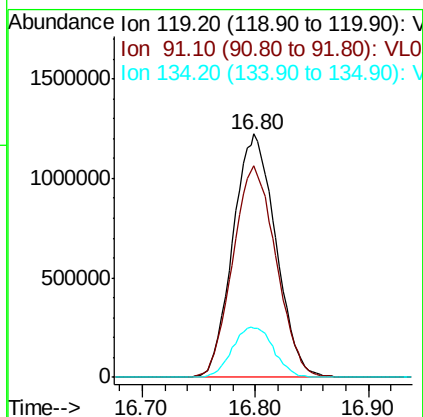
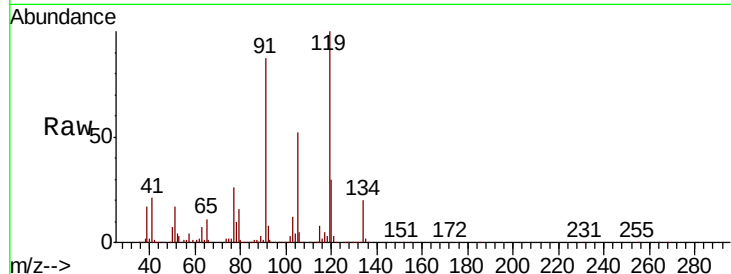




#65
tert-Butylbenzene
Concen: 9.944 ppbv
RT: 16.80 min Scan# 4358
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

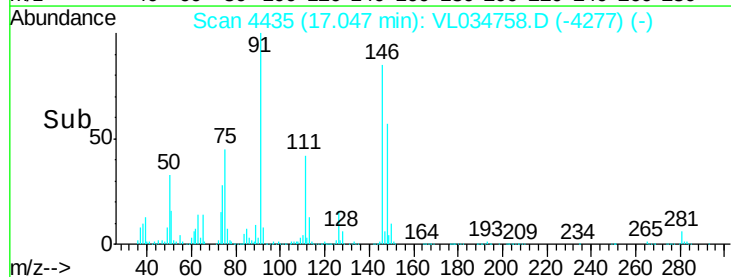
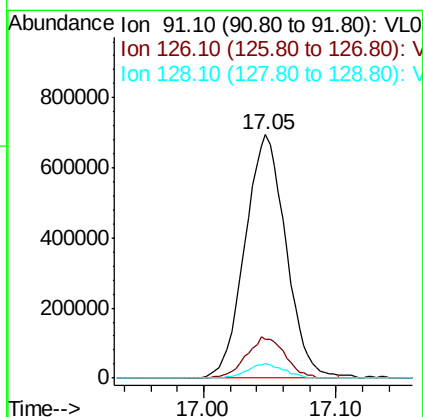
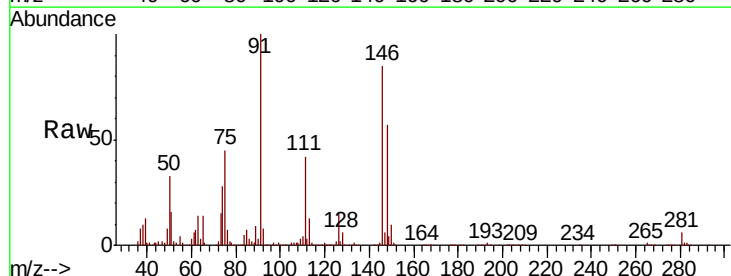
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

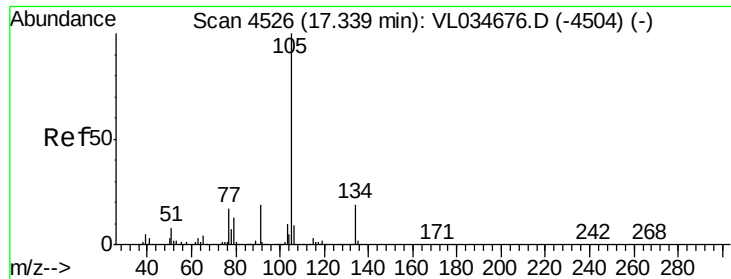
Tot Ion:119 Resp: 3208155
Ion Ratio Lower Upper
119 100
91 88.3 69.1 103.7
134 20.0 15.8 23.8



#66
Benzyl Chloride
Concen: 12.352 ppbv
RT: 17.05 min Scan# 4435
Delta R.T. 0.01 min
Lab File: VL034758.D
Acq: 3 Mar 2020 9:43

Tgt Ion: 91 Resp: 1486549
Ion Ratio Lower Upper
91 100
126 16.2 13.5 20.3
128 5.5 4.2 6.4





#67

sec-Butylbenzene

Concen: 9.852 ppbv

RT: 17.35 min Scan# 4529

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

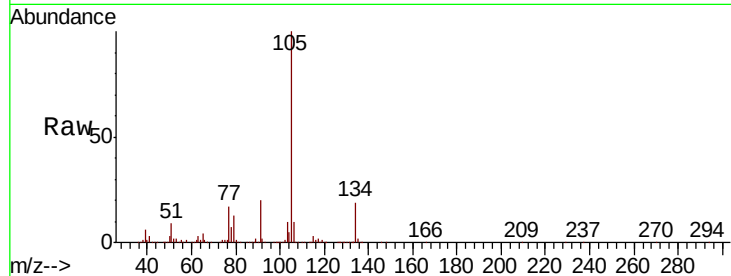
VSTDCCC010

Tot Ion:105 Resp: 4573650

Ion Ratio Lower Upper

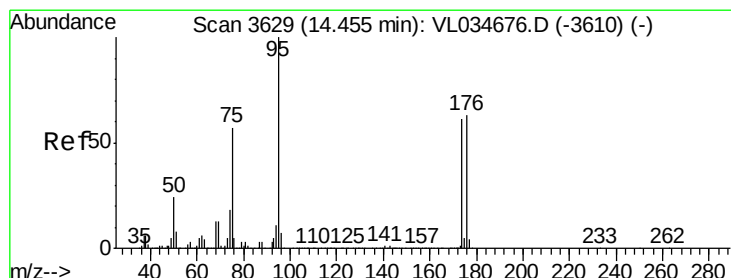
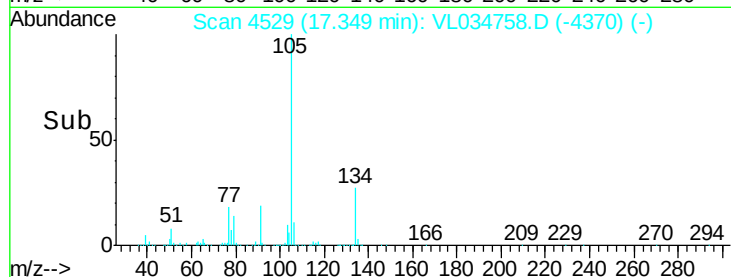
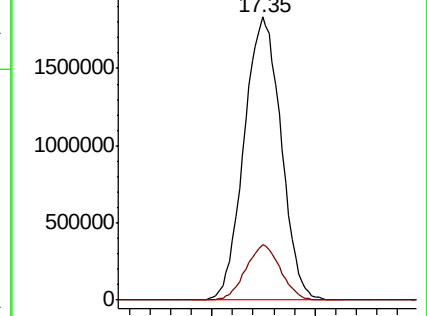
105 100

134 18.4 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.264 ppbv

RT: 14.47 min Scan# 3633

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

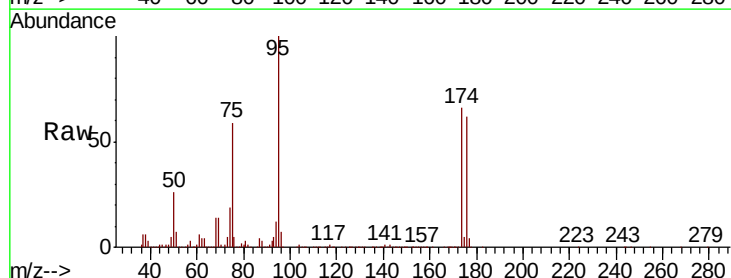
Tgt Ion: 95 Resp: 2058656

Ion Ratio Lower Upper

95 100

174 64.0 50.7 76.1

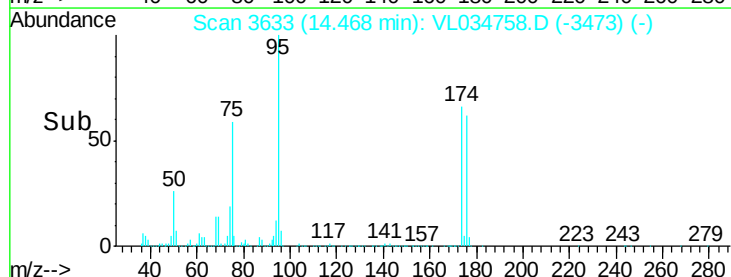
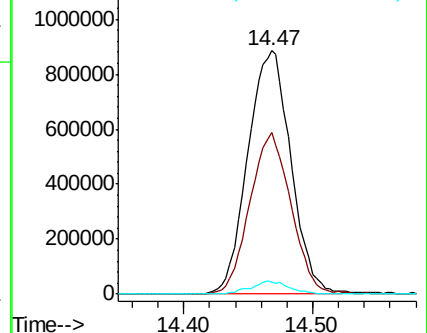
175 4.8 3.9 5.9

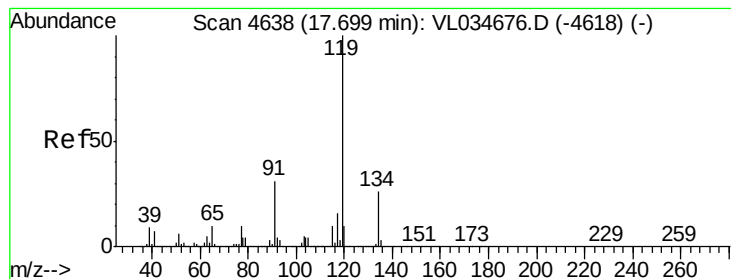


Abundance Ion 95.10 (94.80 to 95.80): V

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#69

p-Isopropyltoluene

Concen: 10.017 ppbv

RT: 17.71 min Scan# 4641

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

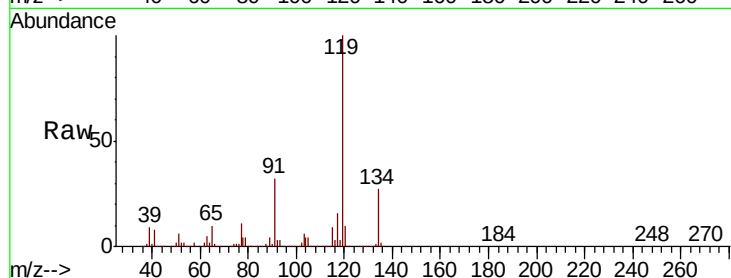
MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 3828157

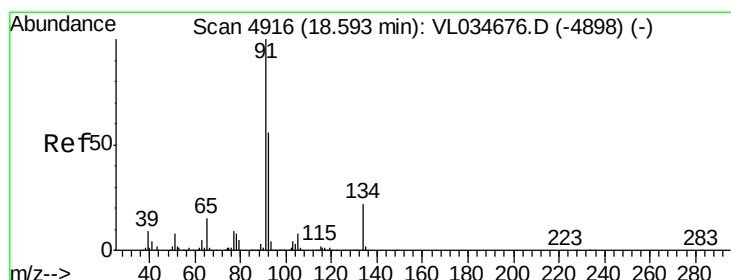
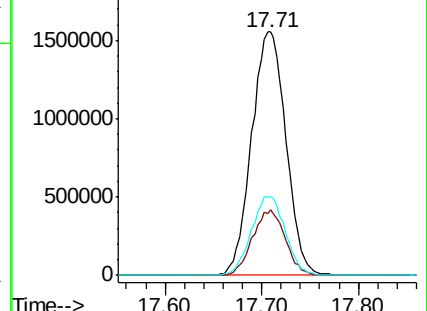
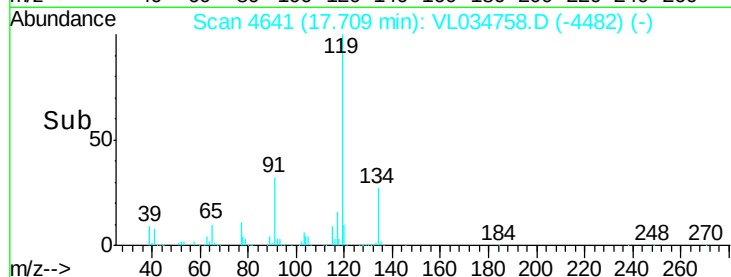
Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	31.0
91	32.0	25.3	37.9



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: 9.831 ppbv

RT: 18.61 min Scan# 4921

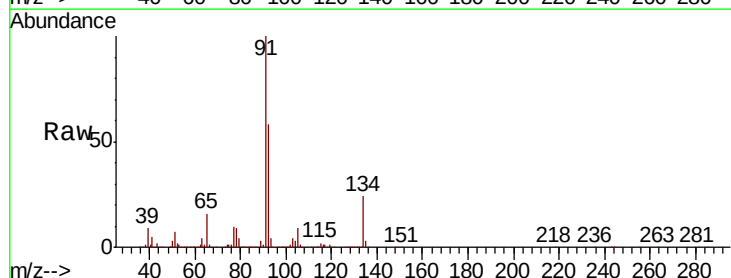
Delta R.T. 0.02 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Tgt Ion: 91 Resp: 4091223

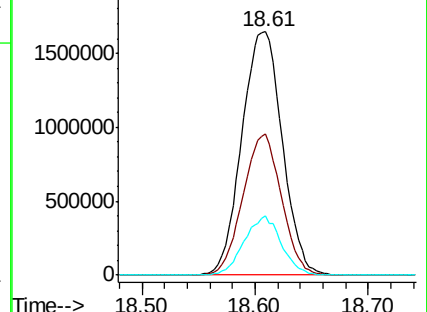
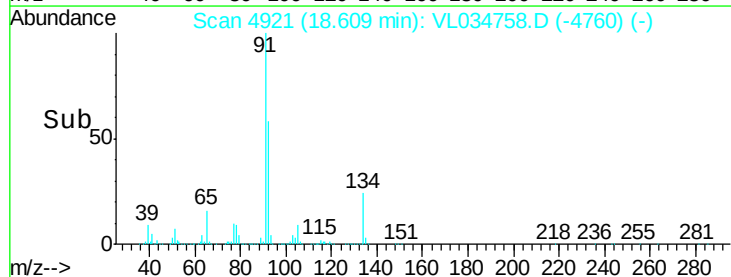
Ion	Ratio	Lower	Upper
91	100		
92	55.2	43.8	65.6
134	22.2	17.6	26.4

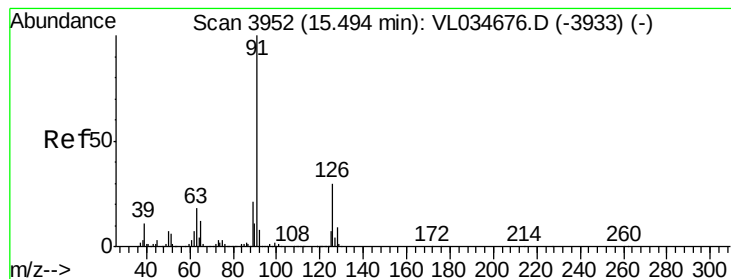


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.955 ppbv

RT: 15.50 min Scan# 3955

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

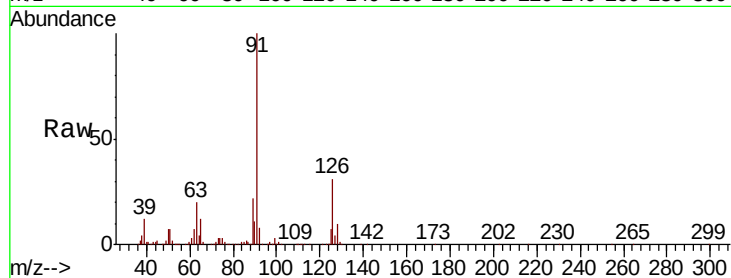
VSTDCCC010

Tot Ion: 91 Resp: 2880829

Ion Ratio Lower Upper

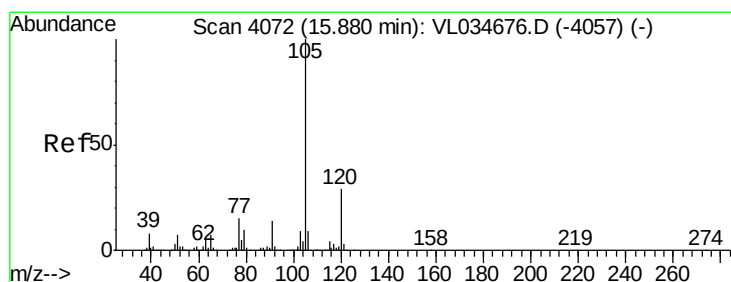
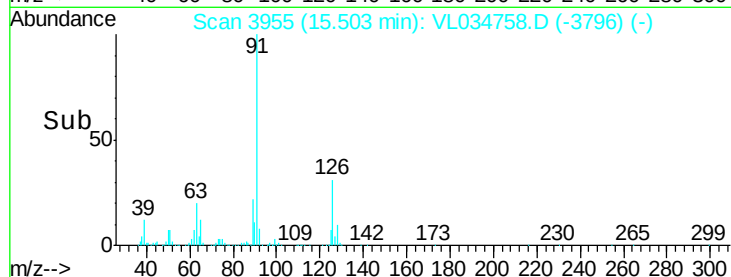
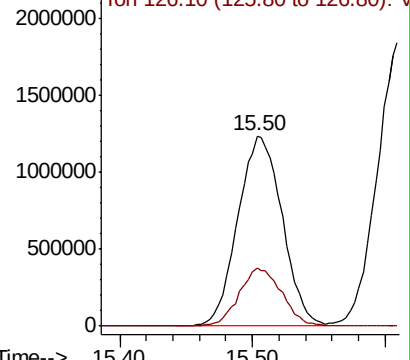
91 100

126 29.4 11.8 47.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.395 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Tgt Ion: 105 Resp: 2963471

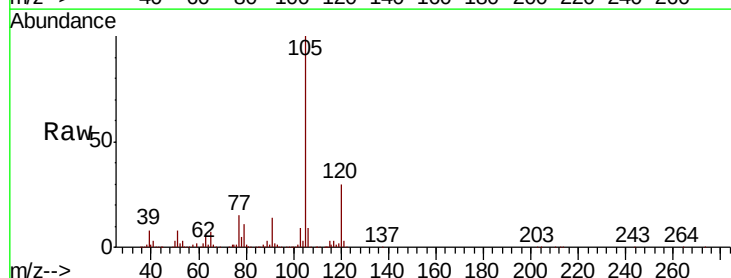
Ion Ratio Lower Upper

105 100

120 28.6 23.7 35.5

91 14.1 10.9 16.3

77 15.3 12.2 18.2

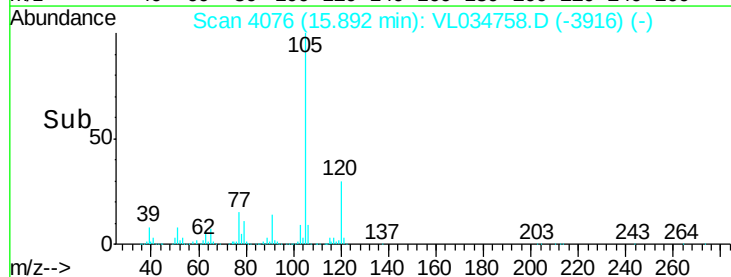
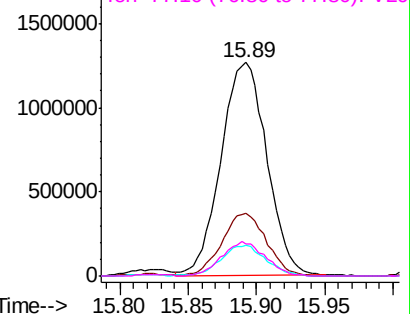


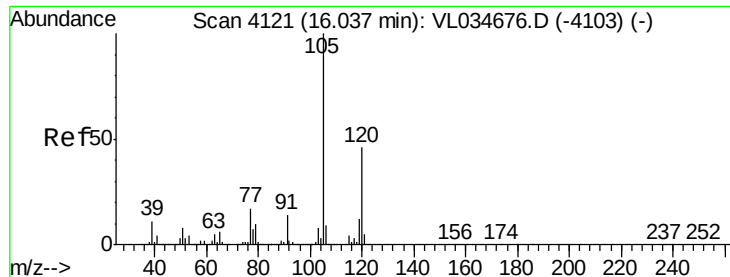
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 10.166 ppbv

RT: 16.05 min Scan# 4125

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

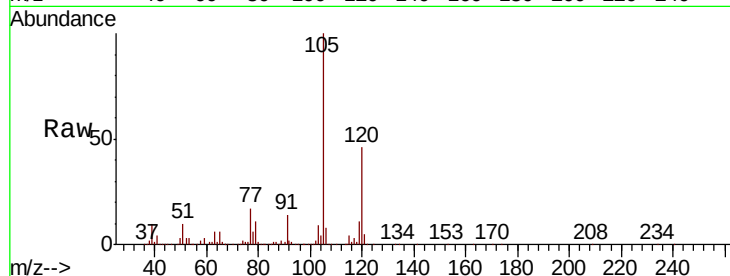
VSTDCCC010

Tot Ion:105 Resp: 2788064

Ion Ratio Lower Upper

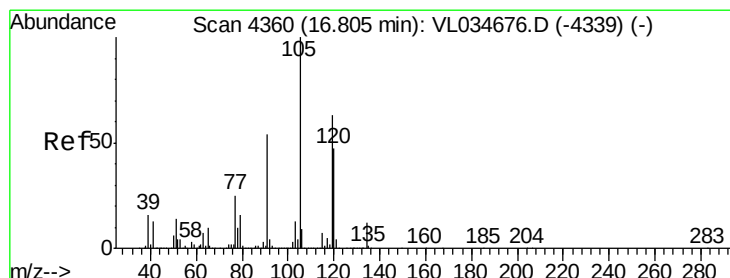
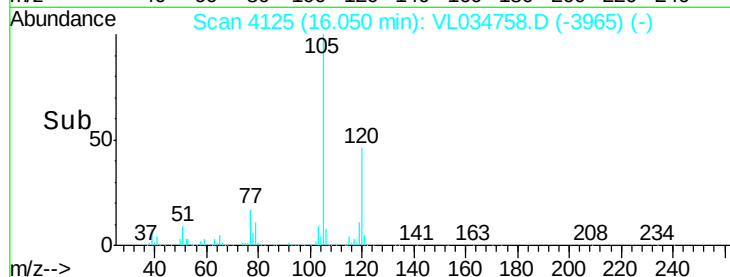
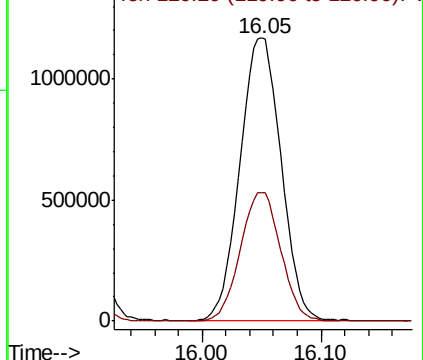
105 100

120 45.6 37.1 55.7



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: 9.613 ppbv

RT: 16.82 min Scan# 4364

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Tgt Ion:105 Resp: 2911562

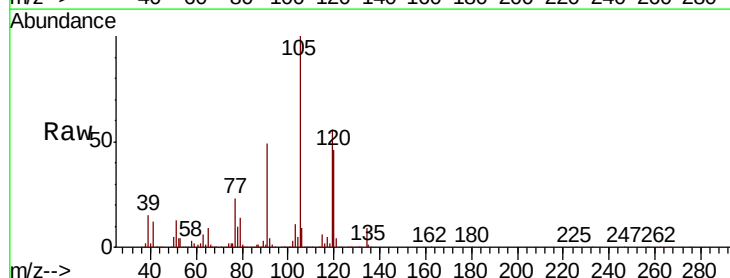
Ion Ratio Lower Upper

105 100

120 46.3 37.9 56.9

91 48.2 43.9 65.9

77 23.1 20.3 30.5

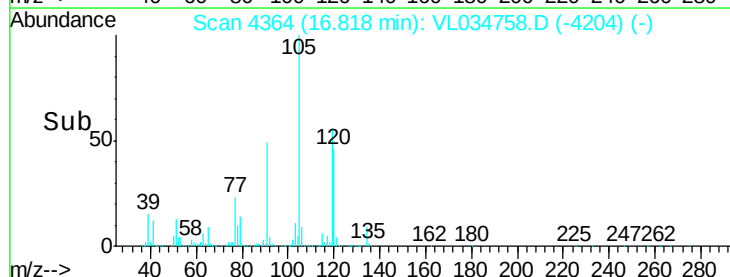
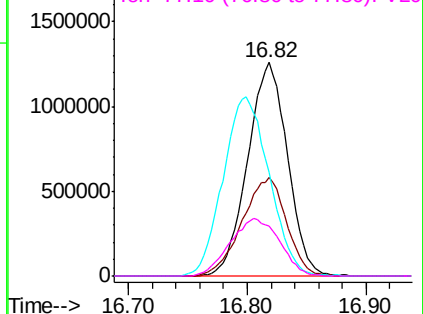


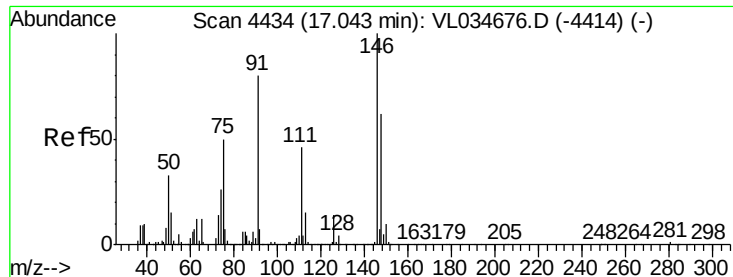
Abundance Ion 105.10 (104.80 to 105.80): V

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

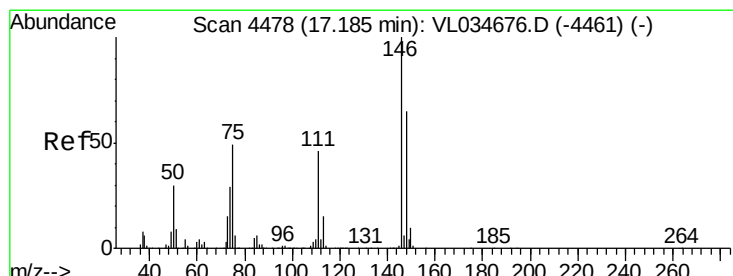
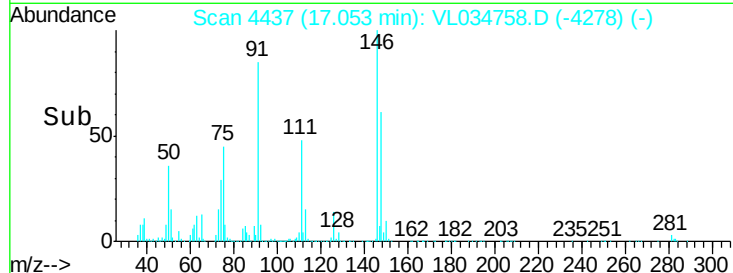
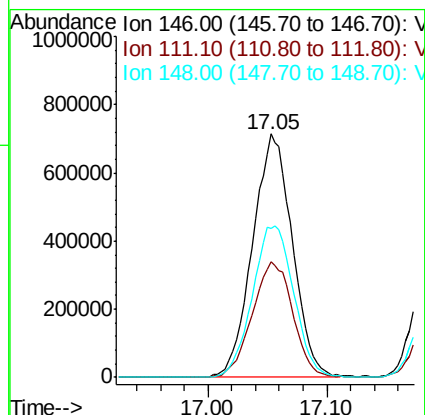
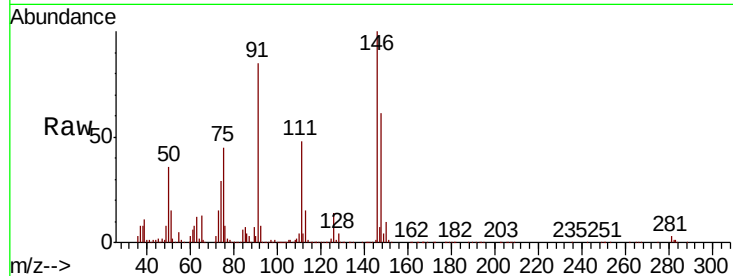




#75
 1,3-Dichlorobenzene
 Concen: 9.430 ppbv
 RT: 17.05 min Scan# 4437
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

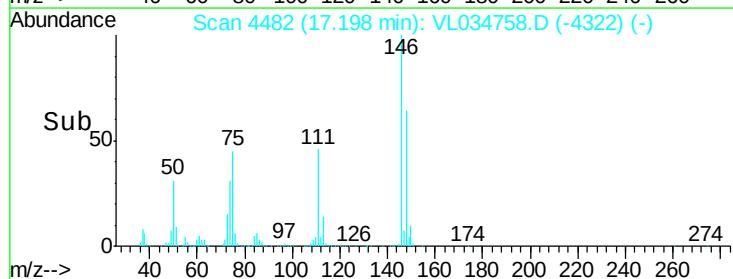
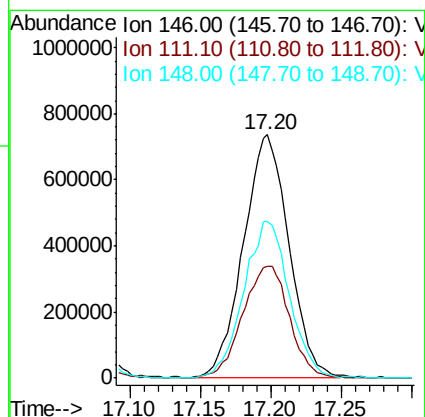
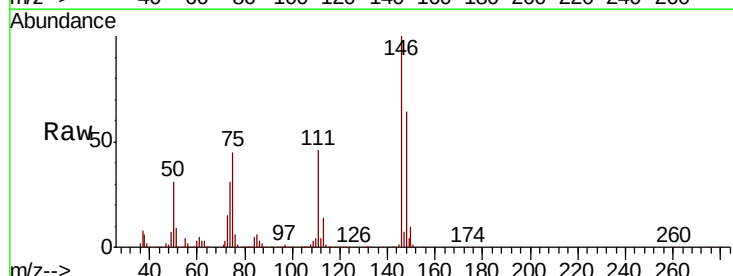
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

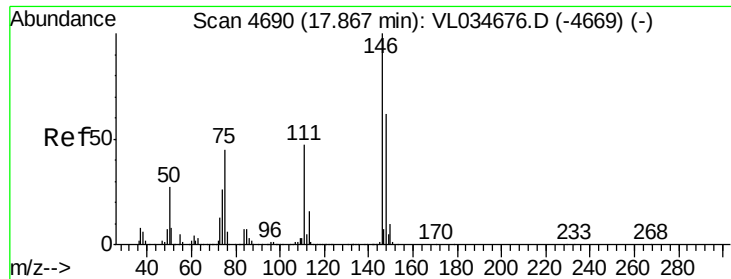
Tot Ion:146 Resp: 1648571
 Ion Ratio Lower Upper
 146 100
 111 48.6 24.4 73.2
 148 64.8 32.5 97.4



#76
 1,4-Dichlorobenzene
 Concen: 9.427 ppbv
 RT: 17.20 min Scan# 4482
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion:146 Resp: 1648906
 Ion Ratio Lower Upper
 146 100
 111 47.9 23.4 70.0
 148 65.2 31.9 95.5

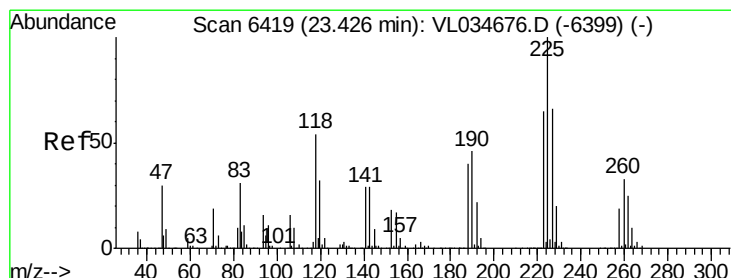
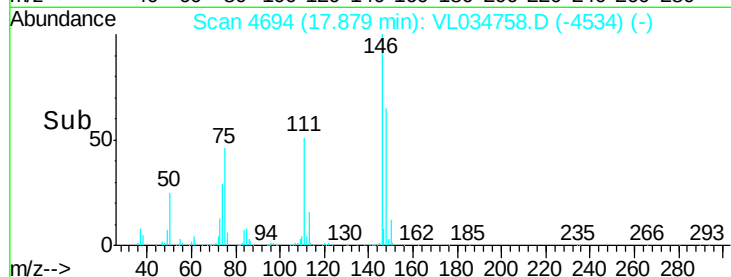
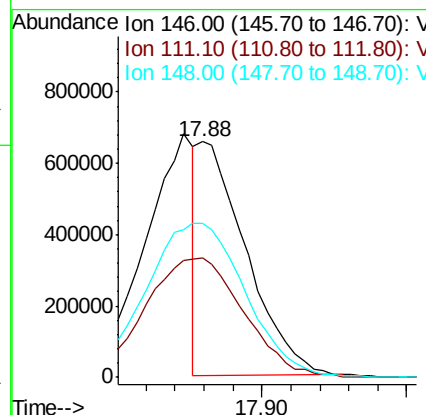




#77
 1,2-Dichlorobenzene
 Concen: 4.401 ppbv
 RT: 17.88 min Scan# 4694
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

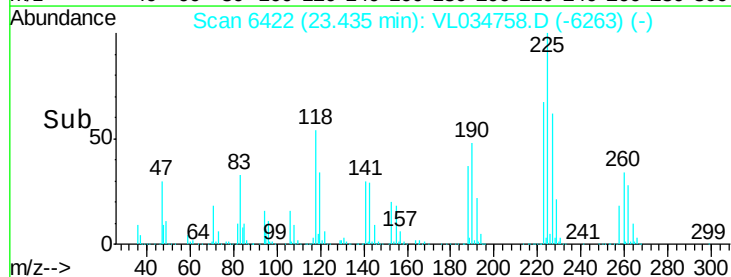
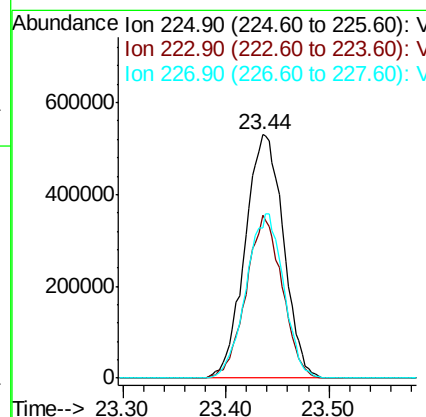
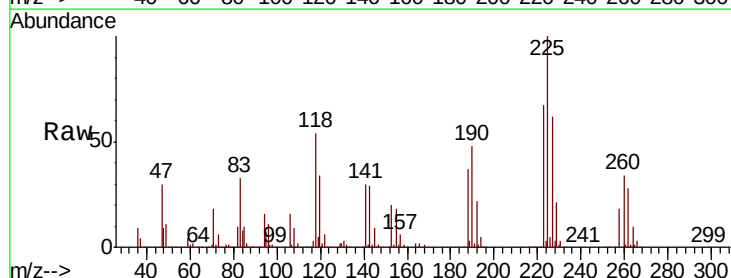
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

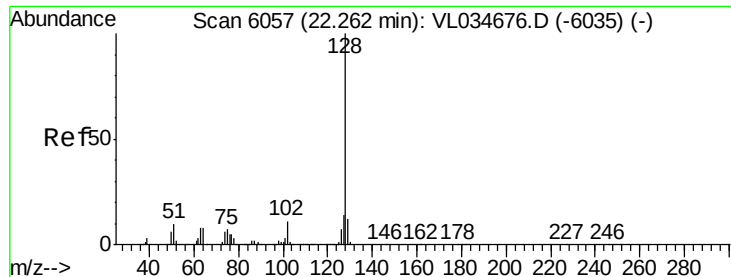
Tot Ion:146 Resp: 743855
 Ion Ratio Lower Upper
 146 100
 111 108.0 24.9 74.7#
 148 140.3 32.0 96.0#



#78
 Hexachloro-1,3-Butadiene
 Concen: 9.308 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Tgt Ion:225 Resp: 1369781
 Ion Ratio Lower Upper
 225 100
 223 62.8 51.3 76.9
 227 65.7 51.3 76.9





#79

Naphthalene

Concen: 10.196 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

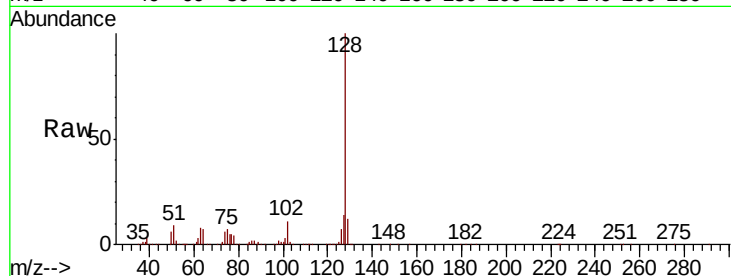
Tot Ion:128 Resp: 2717668

Ion Ratio Lower Upper

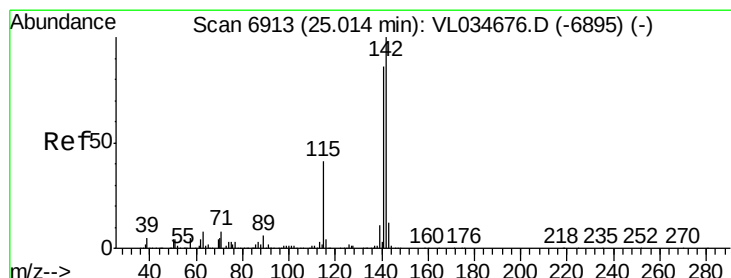
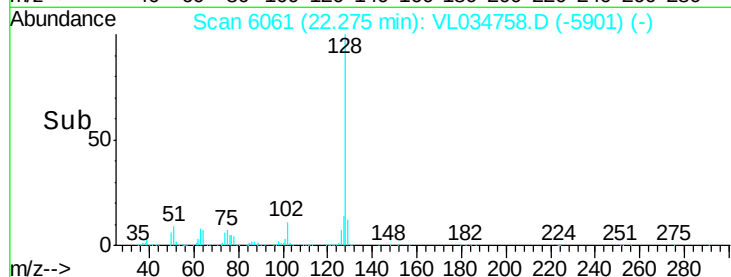
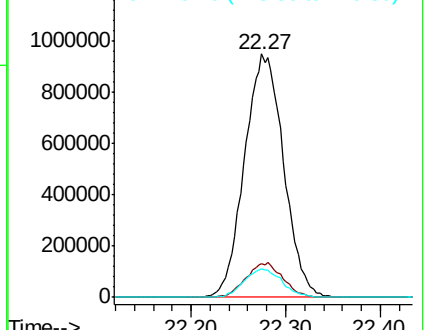
128 100

127 13.7 11.0 16.6

129 11.5 9.4 14.2



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: 15.381 ppbv

RT: 25.03 min Scan# 6917

Delta R.T. 0.01 min

Lab File: VL034758.D

Acq: 3 Mar 2020 9:43

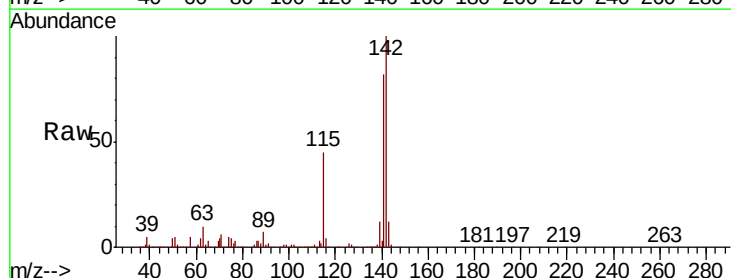
Tgt Ion:142 Resp: 1264530

Ion Ratio Lower Upper

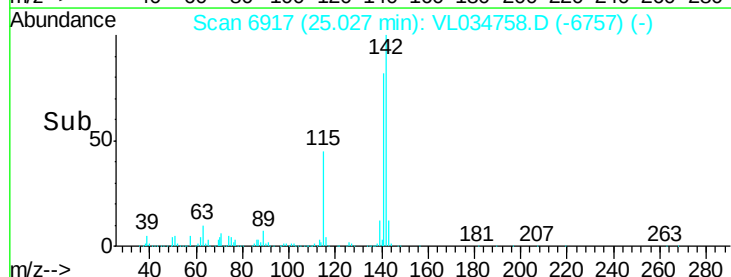
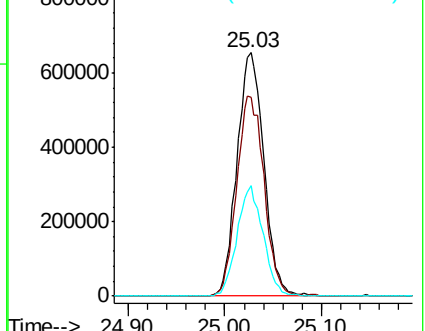
142 100

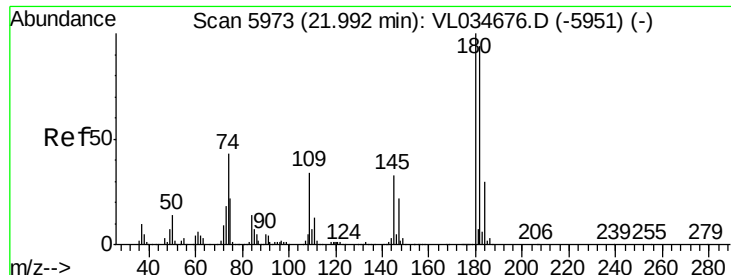
141 84.1 66.5 99.7

115 43.9 30.6 46.0



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: 5.334 ppbv
 RT: 22.00 min Scan# 5977
 Delta R.T. 0.01 min
 Lab File: VL034758.D
 Acq: 3 Mar 2020 9:43

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 848579
 Ion Ratio Lower Upper
 180 100
 182 176.9 76.5 114.7#
 184 56.6 25.2 37.8#

