

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034961.D
 Acq On : 7 May 2020 8:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 09:26:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1104340	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2655917	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	3048773	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1987334	8.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	80.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.01	85	1253931	8.000	ppbv 97
3) Chlorodifluoromethane	2.95	51	1162843	9.223	ppbv 97
4) Chloromethane	3.11	50	671404	9.292	ppbv 94
5) Vinyl Chloride	3.22	62	635363	9.014	ppbv 98
6) Bromomethane	3.45	94	362756	8.619	ppbv 94
7) Chloroethane	3.53	64	229159	9.052	ppbv 93
8) Dichlorotetrafluoroethane	3.15	85	1387259	8.552	ppbv 97
9) Propene	2.97	41	561054	10.255	ppbv 98
10) Heptane	8.14	43	1436077	10.477	ppbv 96
11) Trichlorofluoromethane	3.93	101	1371117	8.484	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	992311	8.623	ppbv 98
13) Ethanol	3.57	45	149457	8.278	ppbv 99
14) Bromoethene	3.71	108	445120	9.360	ppbv 100
15) Acetone	3.83	43	1147381	7.859	ppbv 99
16) 1,3-Butadiene	3.29	39	607955	9.676	ppbv 96
17) tert-Butyl alcohol	4.27	59	1217515	9.373	ppbv 99
18) 1,1-Dichloroethene	4.27	96	454269	9.099	ppbv 96
19) Isopropyl Alcohol	3.94	45	887302	9.113	ppbv 100
20) Methylene Chloride	4.32	84	406991	8.421	ppbv 92
21) Allyl Chloride	4.39	41	802322	9.729	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	458882	9.279	ppbv 98
23) Vinyl Acetate	5.07	43	1893920	10.230	ppbv 99
24) 1,1-Dichloroethane	5.00	63	1276411	8.951	ppbv 99
25) Ethyl Acetate	5.68	43	2369571	9.662	ppbv 100
26) Hexane	5.69	57	1028299	9.672	ppbv 98
27) Carbon Disulfide	4.54	76	1125748	8.984	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	1574740	9.725	ppbv 98
29) Chloroform	5.75	83	1511849	8.691	ppbv 98
30) Cyclohexane	7.14	84	861850	10.505	ppbv 96
31) cis-1,2-Dichloroethene	5.55	61	1043586	10.060	ppbv 96
32) 1,1,1-Trichloroethane	6.52	97	1429272	9.098	ppbv 99
34) 2-Butanone	5.24	43	1624719	9.843	ppbv 98
35) Carbon Tetrachloride	7.03	117	1439328	8.586	ppbv 98
36) Benzene	6.91	78	2078665	9.493	ppbv 98
37) 1,2-Dichloroethane	6.32	62	1160000	8.588	ppbv 98
38) Trichloroethene	7.85	130	768752	9.062	ppbv 96
39) 1,2-Dichloropropane	7.64	63	826691	9.418	ppbv 99
40) 1,4-Dioxane	7.85	88	324360	9.091	ppbv # 1
41) Tetrahydrofuran	6.05	42	941377	10.832	ppbv 96
42) Bromodichloromethane	7.82	83	1559770	8.562	ppbv 97
43) Methyl Methacrylate	8.03	69	939429	10.160	ppbv 98

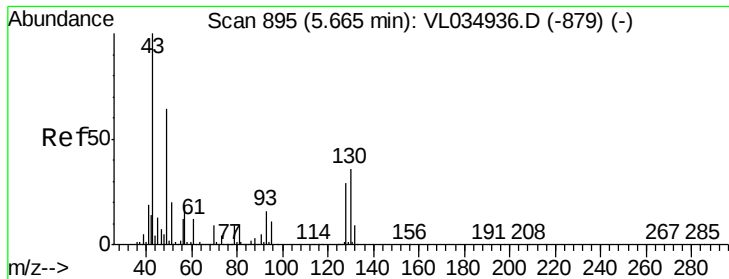
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3580916	9.198	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	995204	10.666	ppbv	99
46) cis-1,3-Dichloropropene	8.73	75	1203497	10.505	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	834842	9.012	ppbv	98
48) Dibromochloromethane	10.34	129	1290124	9.057	ppbv	99
49) Bromoform	13.09	173	1089476	8.889	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2324188	9.874	ppbv	98
51) 2-Hexanone	10.16	43	1887987	10.255	ppbv #	98
52) Tetrachloroethene	11.26	164	735262	9.443	ppbv	99
53) Toluene	9.83	91	2391311	10.302	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1231399	9.053	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.16	131	985575	7.168	ppbv	98
57) Chlorobenzene	12.19	112	1739189	7.201	ppbv	98
58) Ethyl Benzene	12.75	91	3097537	8.216	ppbv	98
59) m/p-Xylene	13.03	91	2655763	8.006	ppbv	94
60) o-Xylene	13.73	91	2456172	7.504	ppbv	99
61) Styrene	13.57	104	1818756	8.780	ppbv	98
62) Isopropylbenzene	14.71	105	3656782	7.483	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	1680158	6.521	ppbv	99
64) n-propylbenzene	15.61	120	974768	7.776	ppbv	97
65) tert-Butylbenzene	16.79	119	3162237	7.461	ppbv	98
66) Benzyl Chloride	17.04	91	1145342	7.960	ppbv	99
67) sec-Butylbenzene	17.35	105	4566884	7.548	ppbv	100
69) p-Isopropyltoluene	17.70	119	3834576	7.834	ppbv	99
70) n-Butylbenzene	18.60	91	4043343	7.761	ppbv	100
71) 2-Chlorotoluene	15.50	91	2851791	7.731	ppbv	99
72) 4-Ethyltoluene	15.89	105	2924822	8.009	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	2763591	7.777	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2823413	7.278	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	1651666	7.251	ppbv	100
76) 1,4-Dichlorobenzene	17.19	146	1685813	7.789	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1656697	7.719	ppbv	99
78) Hexachloro-1,3-Butadiene	23.43	225	1505509	8.229	ppbv	99
79) Naphthalene	22.27	128	3418397	11.316	ppbv	98
80) Naphthalene, 2-methyl-	25.02	142	1027630	13.839	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1771421	9.671	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

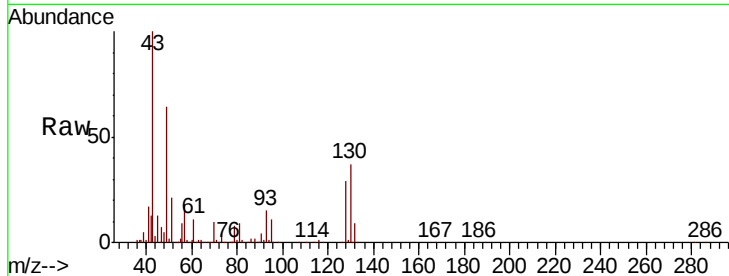
Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1104340

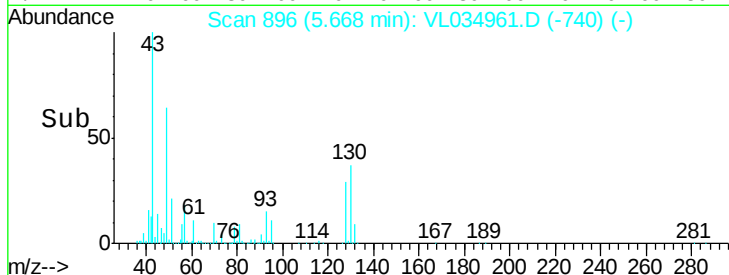
Ion	Ratio	Lower	Upper
49	100		
128	44.6	22.1	66.5
130	57.2	29.1	87.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.000 ppbv

RT: 3.01 min Scan# 70

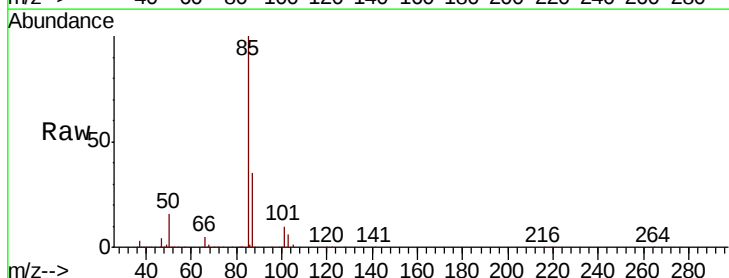
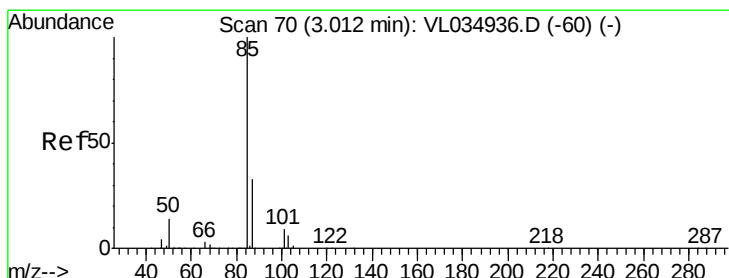
Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

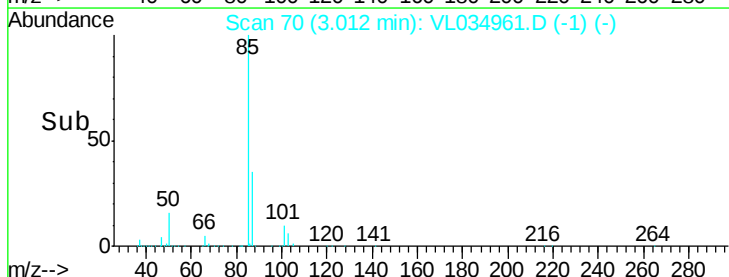
Tgt Ion: 85 Resp: 1253931

Ion	Ratio	Lower	Upper
85	100		
87	34.7	26.2	39.2

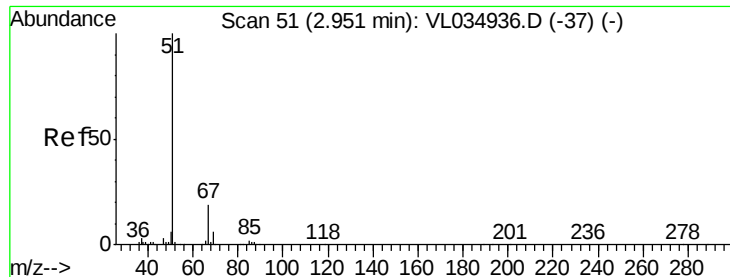


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 9.223 ppbv

RT: 2.95 min Scan# 51

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

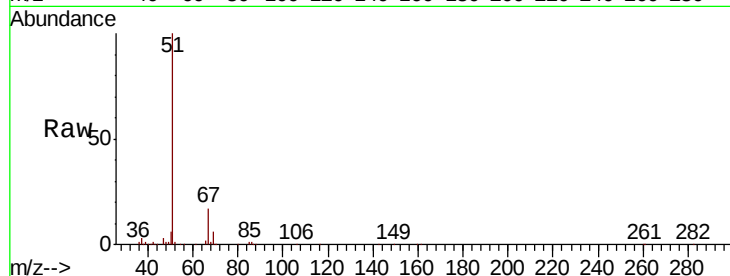
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 1162843

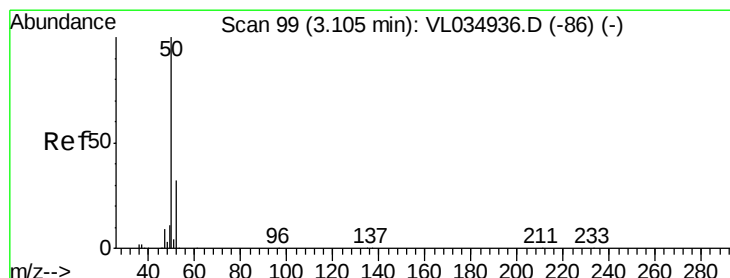
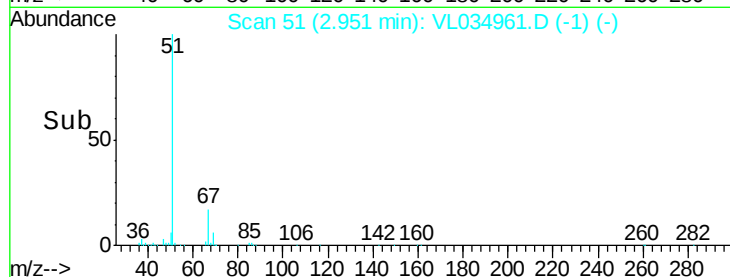
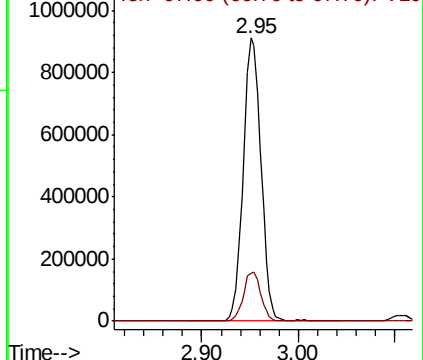
Ion Ratio Lower Upper

51 100

67 17.2 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.292 ppbv

RT: 3.11 min Scan# 99

Delta R.T. -0.00 min

Lab File: VL034961.D

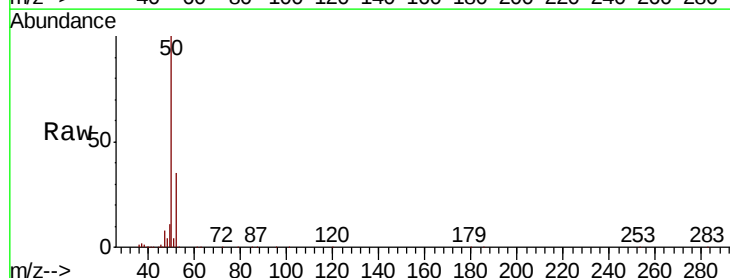
Acq: 7 May 2020 8:42

Tgt Ion: 50 Resp: 671404

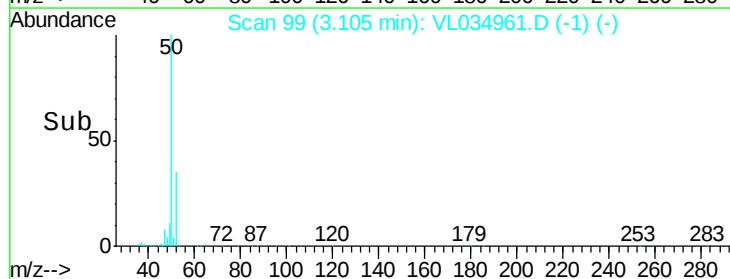
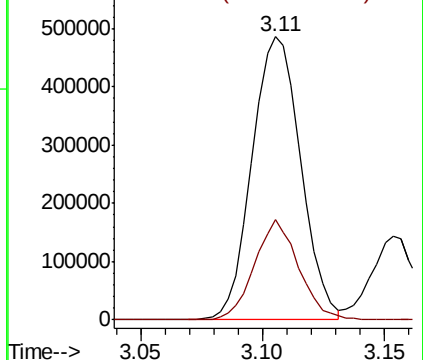
Ion Ratio Lower Upper

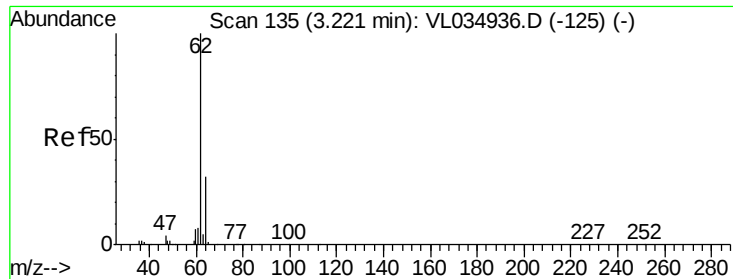
50 100

52 35.4 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.014 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

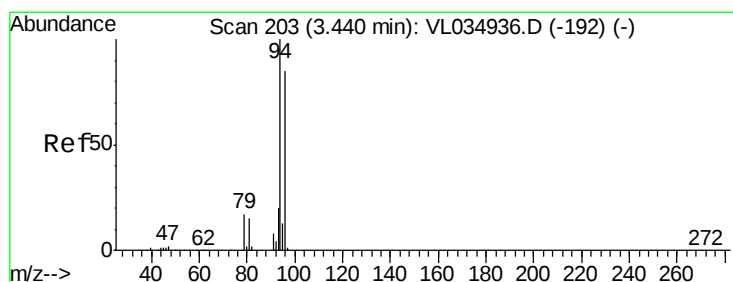
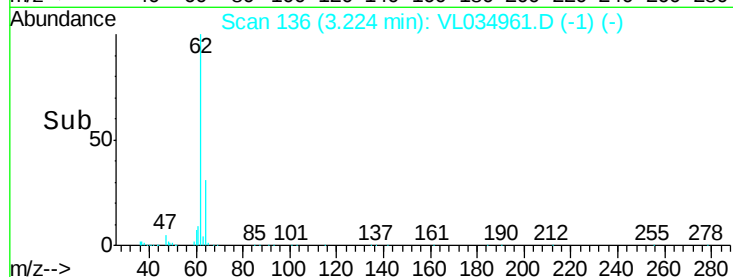
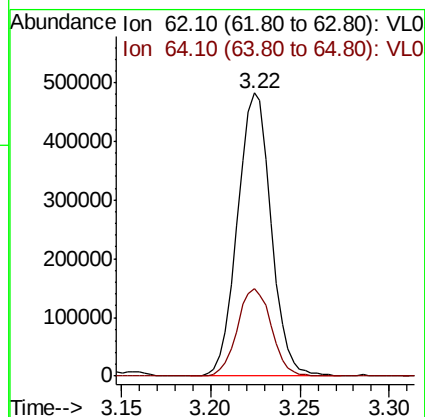
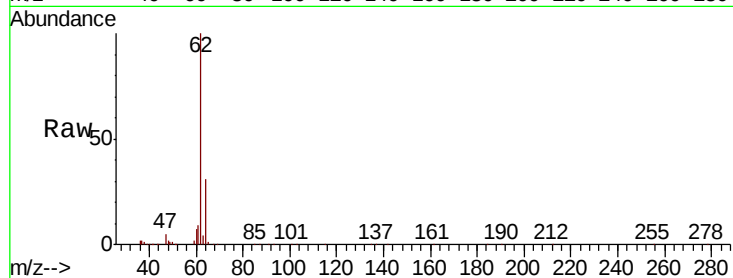
ClientSampled :

Tot Ion: 62 Resp: 635363

Ion Ratio Lower Upper

62 100

64 30.9 25.7 38.5



#6

Bromomethane

Concen: 8.619 ppbv

RT: 3.45 min Scan# 205

Delta R.T. 0.01 min

Lab File: VL034961.D

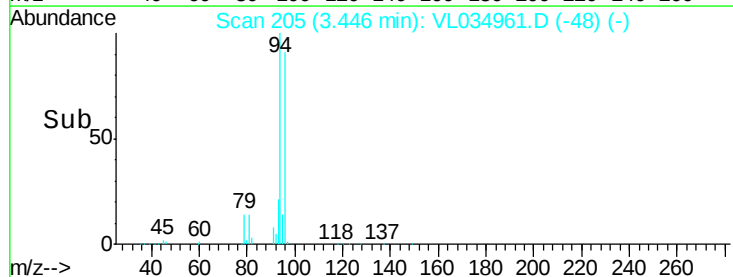
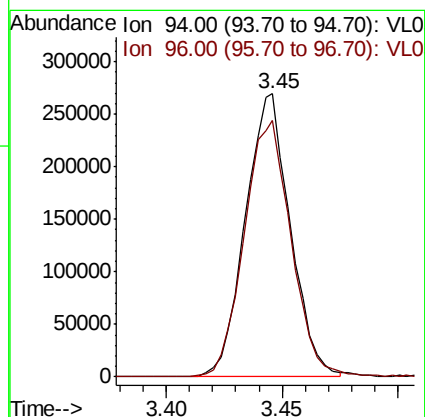
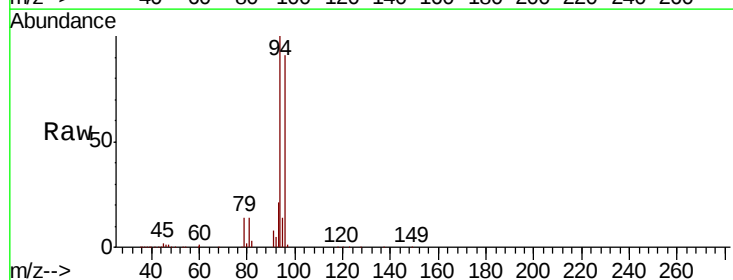
Acq: 7 May 2020 8:42

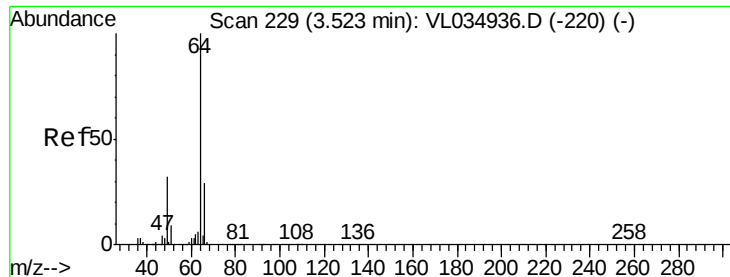
Tgt Ion: 94 Resp: 362756

Ion Ratio Lower Upper

94 100

96 90.5 67.9 101.9





#7

Chloroethane

Concen: 9.052 ppbv

RT: 3.53 min Scan# 230

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

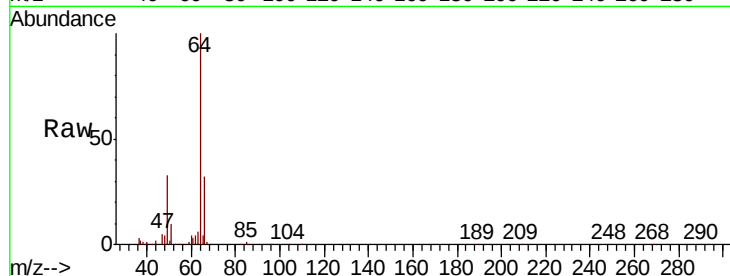
ClientSampleId :

Tot Ion: 64 Resp: 229159

Ion Ratio Lower Upper

64 100

66 32.8 23.2 34.8



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

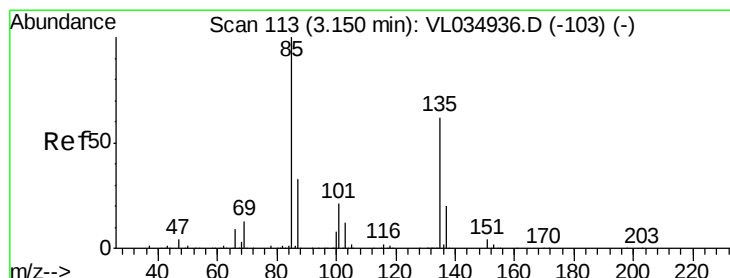
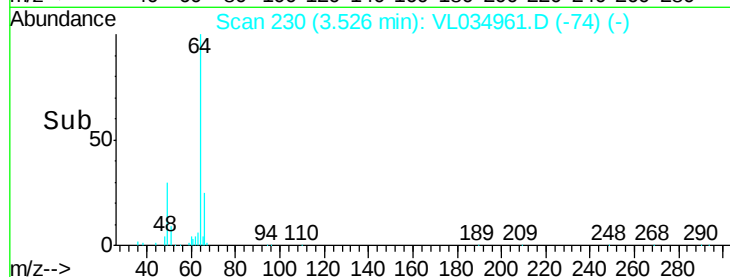
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.552 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL034961.D

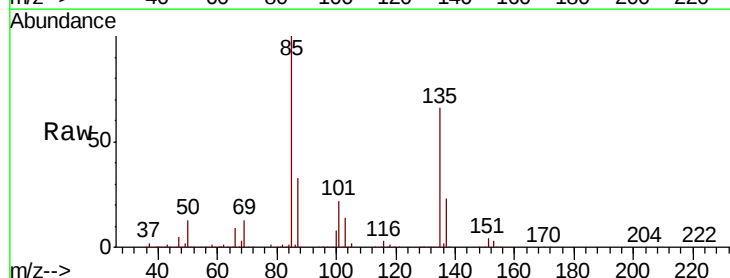
Acq: 7 May 2020 8:42

Tgt Ion: 85 Resp: 1387259

Ion Ratio Lower Upper

85 100

135 66.3 50.9 76.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

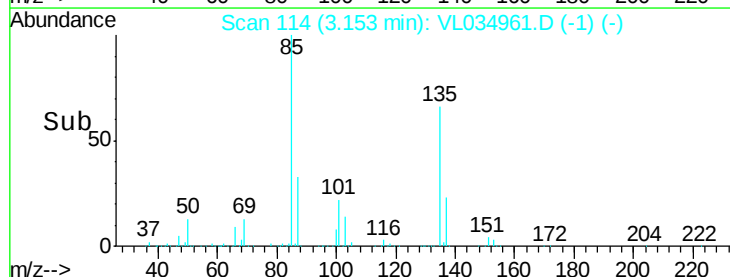
600000

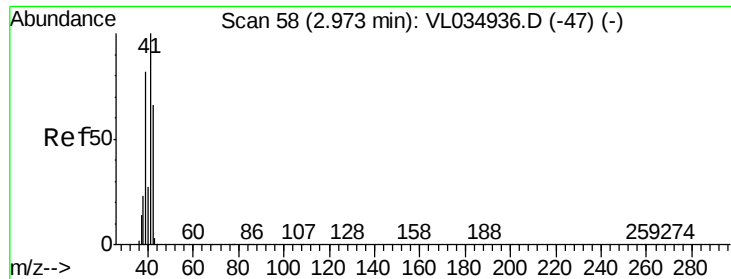
400000

200000

0

Time-->





#9

Propene

Concen: 10.255 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

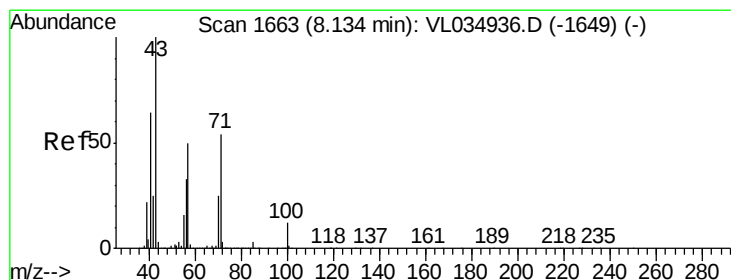
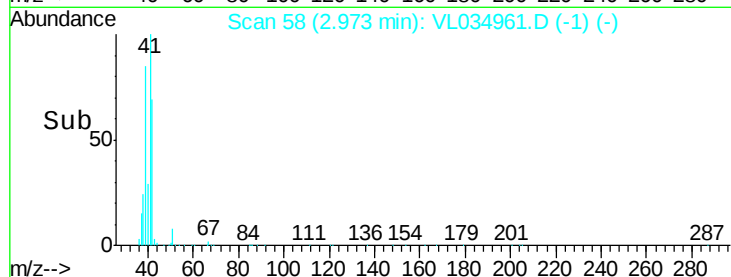
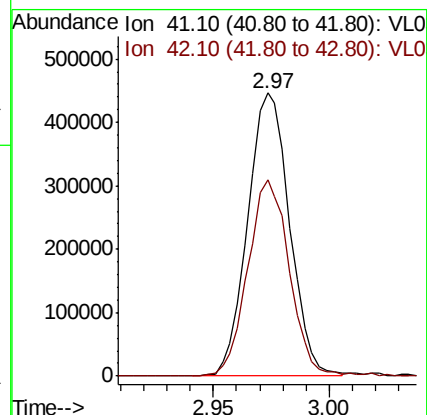
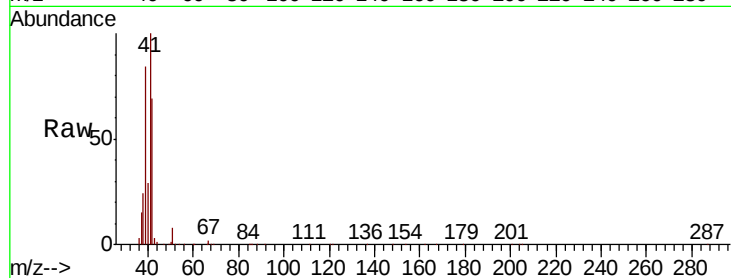
ClientSampleId :

Tot Ion: 41 Resp: 561054

Ion Ratio Lower Upper

41 100

42 69.4 54.5 81.7



#10

Heptane

Concen: 10.477 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL034961.D

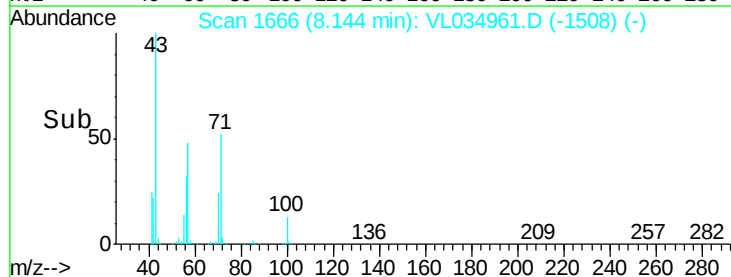
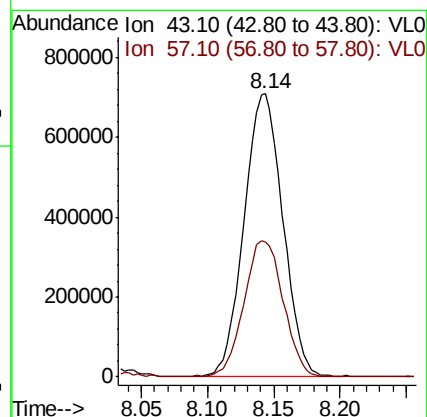
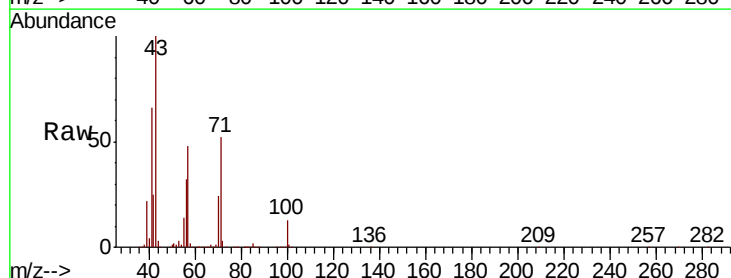
Acq: 7 May 2020 8:42

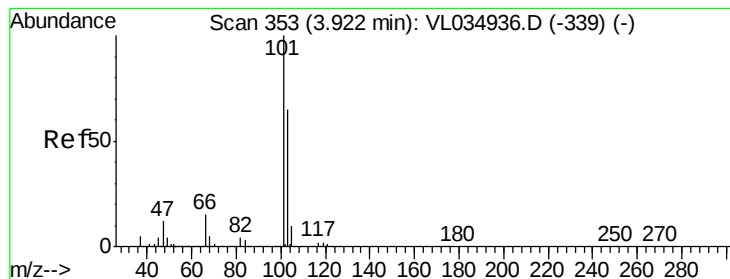
Tgt Ion: 43 Resp: 1436077

Ion Ratio Lower Upper

43 100

57 48.7 41.1 61.7





#11

Trichlorofluoromethane

Concen: 8.484 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

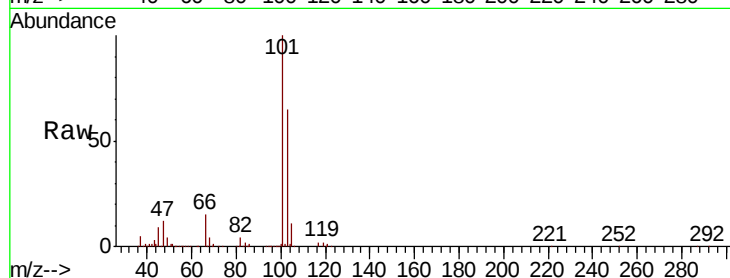
ClientSampleId :

Tot Ion:101 Resp: 1371117

Ion Ratio Lower Upper

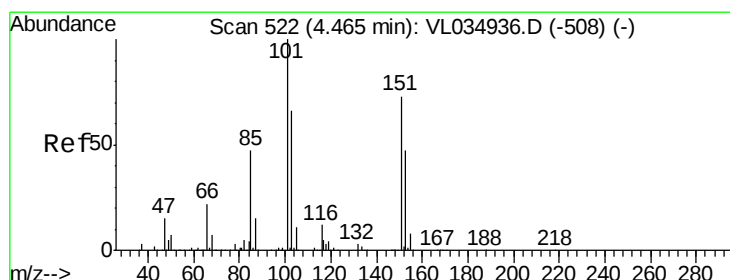
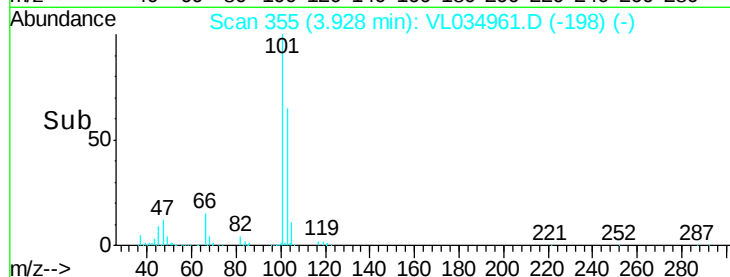
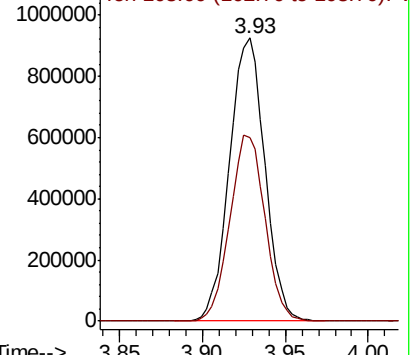
101 100

103 64.9 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.623 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034961.D

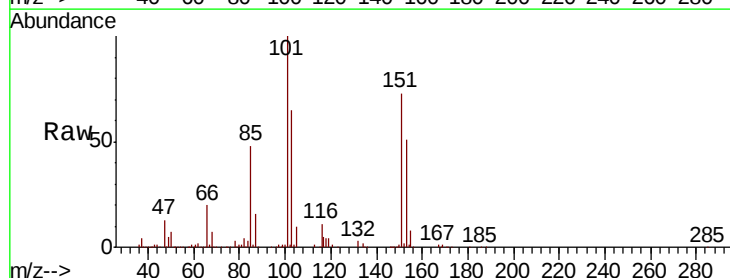
Acq: 7 May 2020 8:42

Tgt Ion:101 Resp: 992311

Ion Ratio Lower Upper

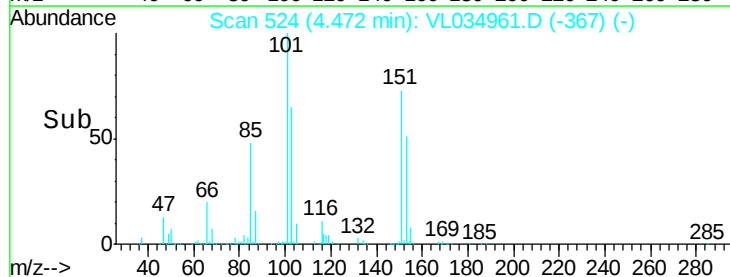
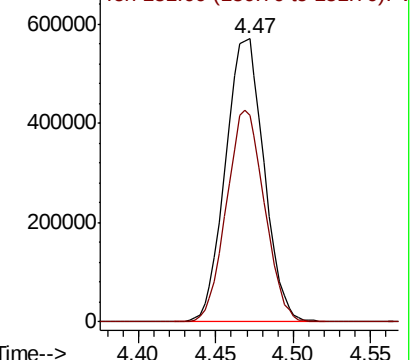
101 100

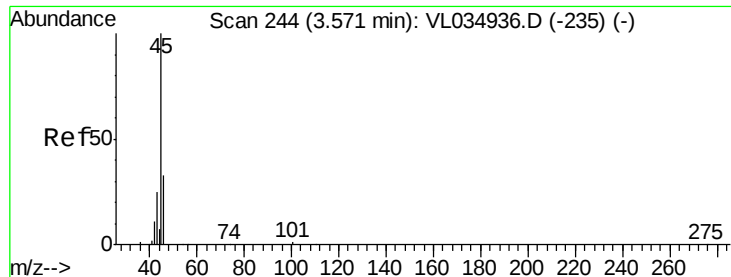
151 73.8 57.6 86.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.278 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

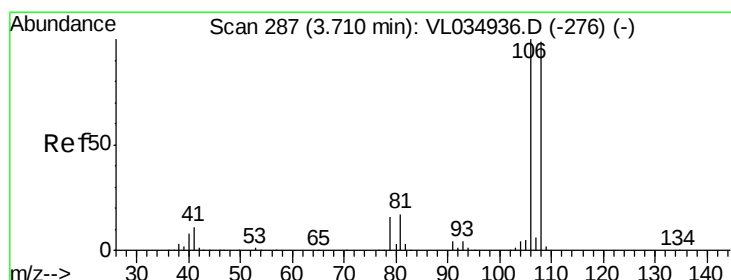
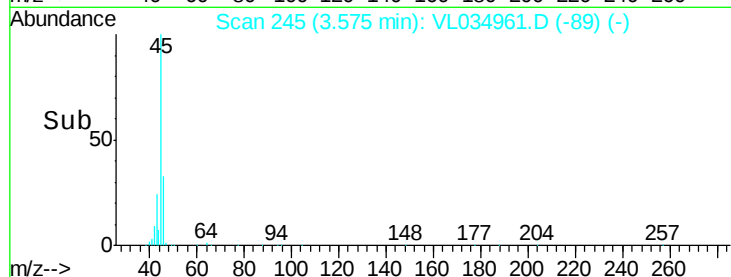
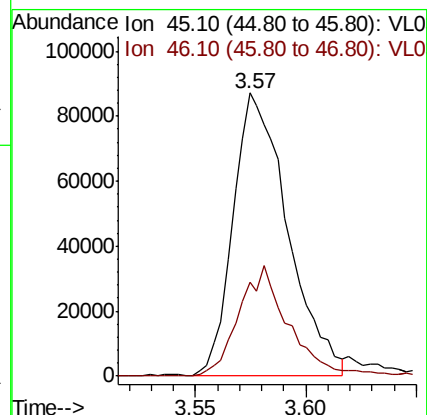
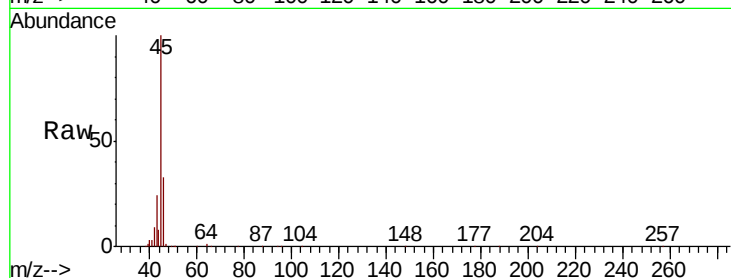
ClientSampleId :

Tot Ion: 45 Resp: 149457

Ion Ratio Lower Upper

45 100

46 36.4 14.3 57.3



#14

Bromoethene

Concen: 9.360 ppbv

RT: 3.71 min Scan# 288

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

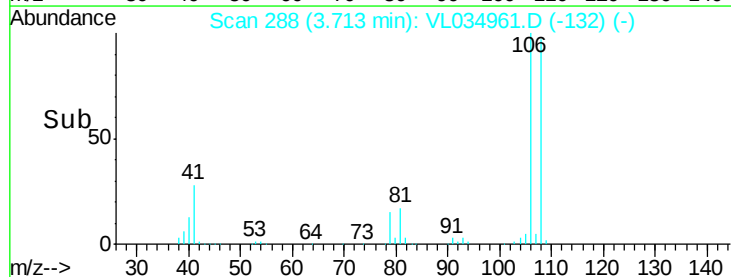
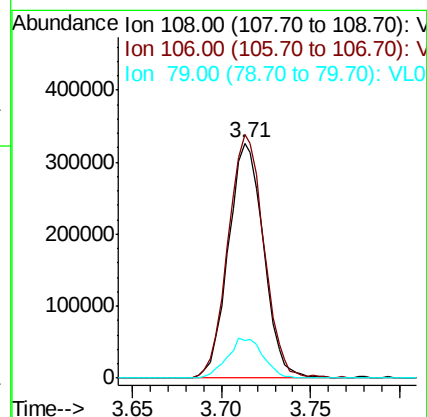
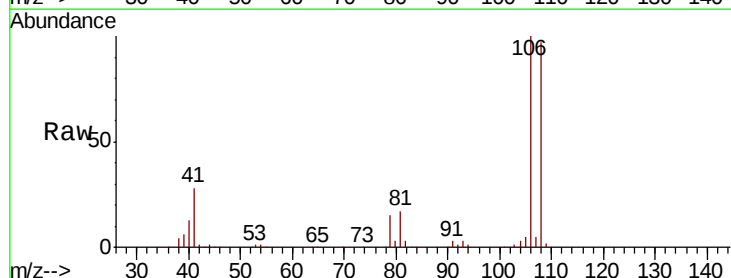
Tgt Ion: 108 Resp: 445120

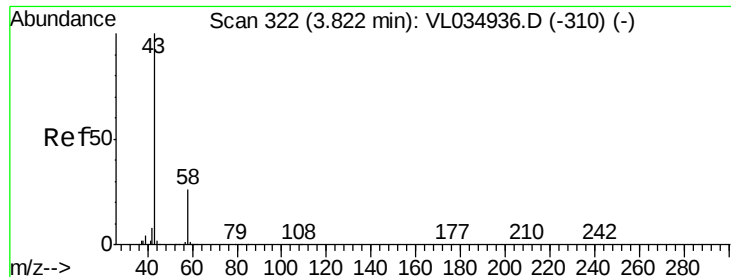
Ion Ratio Lower Upper

108 100

106 106.3 84.9 127.3

79 17.5 14.1 21.1





#15

Acetone

Concen: 7.859 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

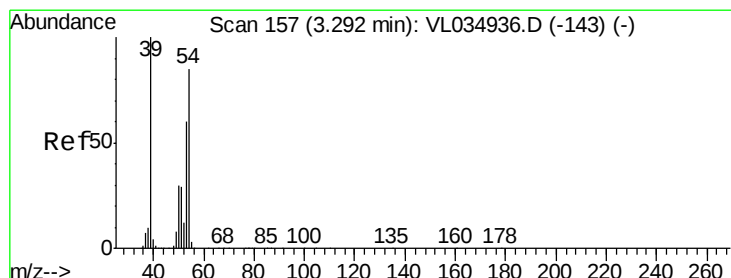
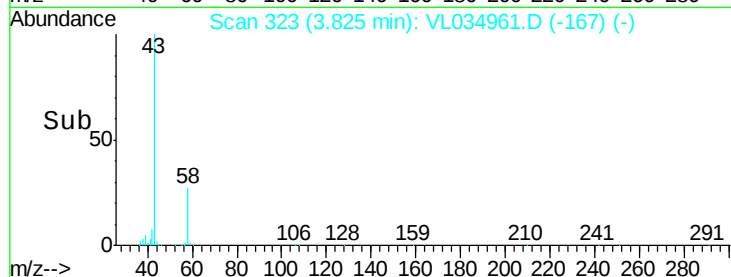
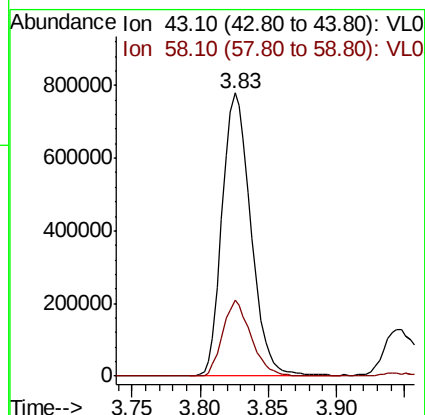
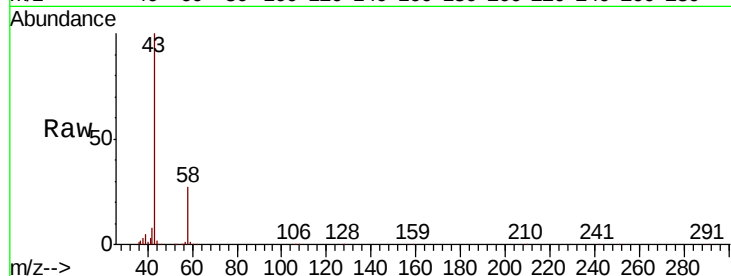
ClientSampleId :

Tot Ion: 43 Resp: 1147381

Ion Ratio Lower Upper

43 100

58 26.4 21.7 32.5



#16

1,3-Butadiene

Concen: 9.676 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034961.D

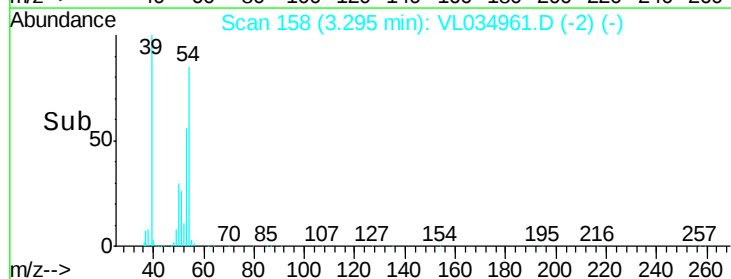
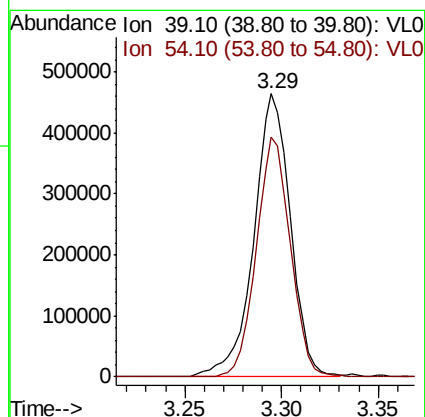
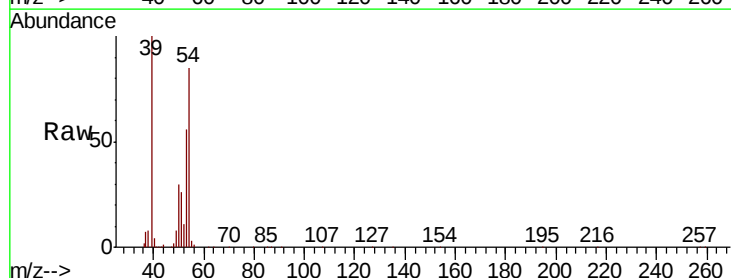
Acq: 7 May 2020 8:42

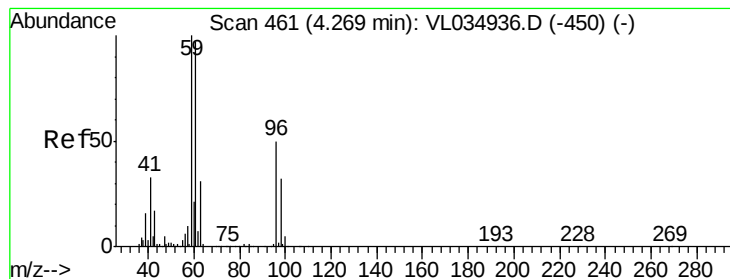
Tgt Ion: 39 Resp: 607955

Ion Ratio Lower Upper

39 100

54 80.0 66.6 100.0





#17

tert-Butyl alcohol

Concen: 9.373 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

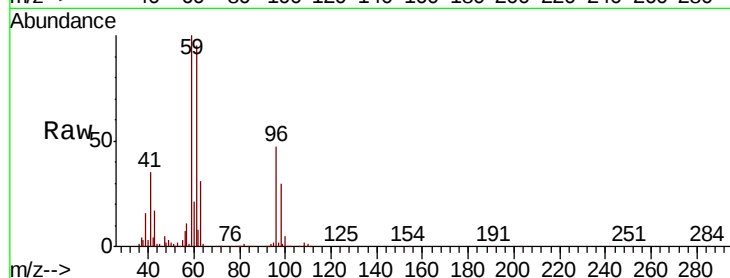
ClientSampleId :

Tot Ion: 59 Resp: 1217515

Ion Ratio Lower Upper

59 100

57 10.6 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

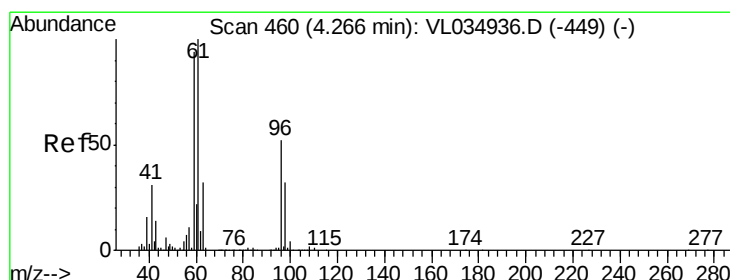
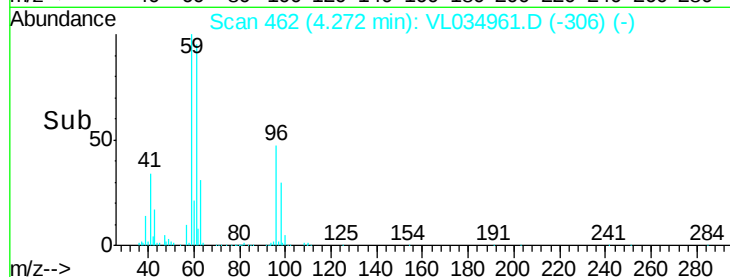
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.099 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

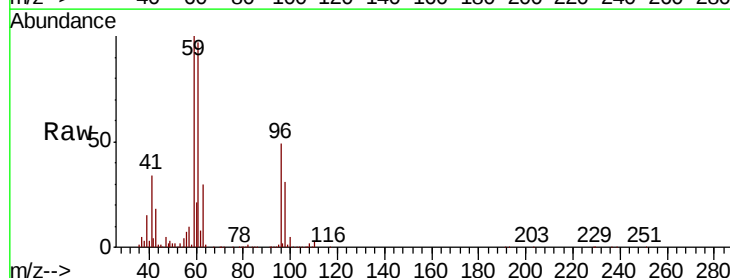
Tgt Ion: 96 Resp: 454269

Ion Ratio Lower Upper

96 100

61 197.5 152.4 228.6

98 63.4 48.8 73.2



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

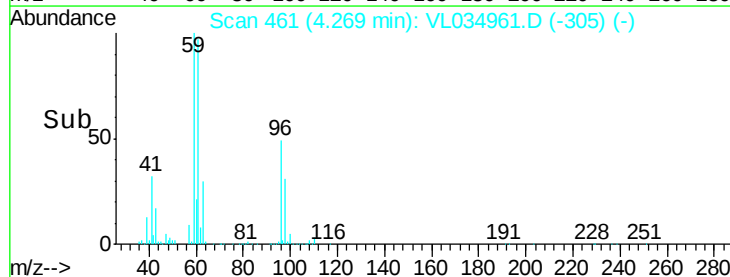
600000

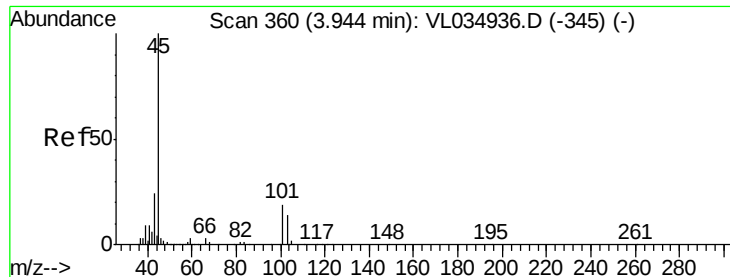
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.113 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

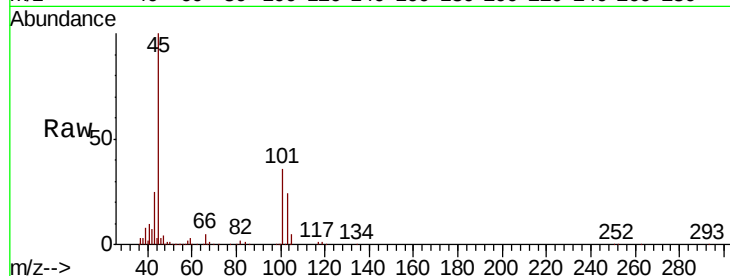
ClientSampleId :

Tot Ion: 45 Resp: 887302

Ion Ratio Lower Upper

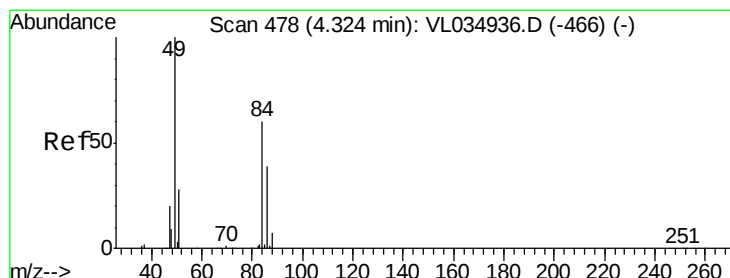
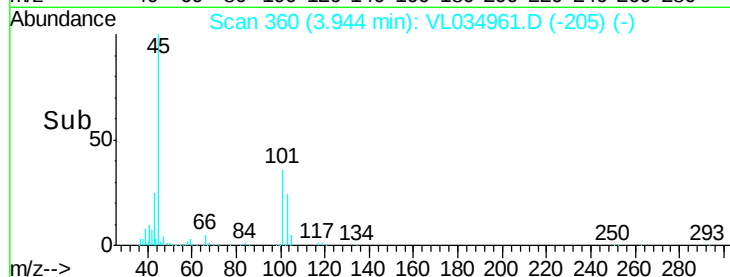
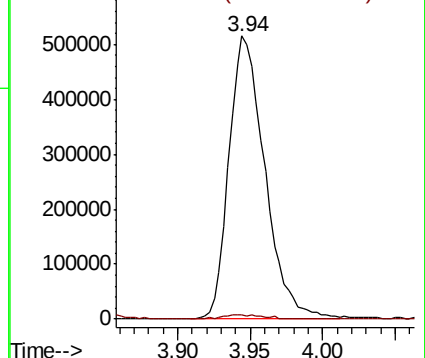
45 100

58 2.0 1.7 2.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 8.421 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion: 84 Resp: 406991

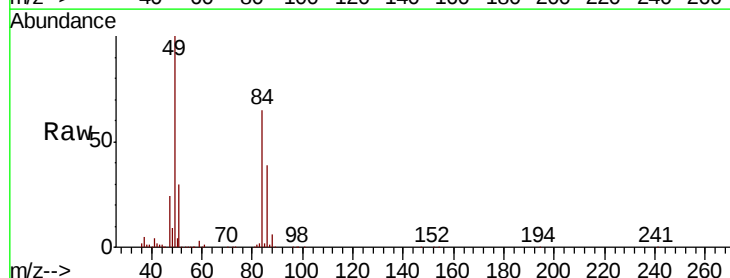
Ion Ratio Lower Upper

84 100

49 152.0 132.5 198.7

51 45.6 38.4 57.6

86 59.7 51.2 76.8

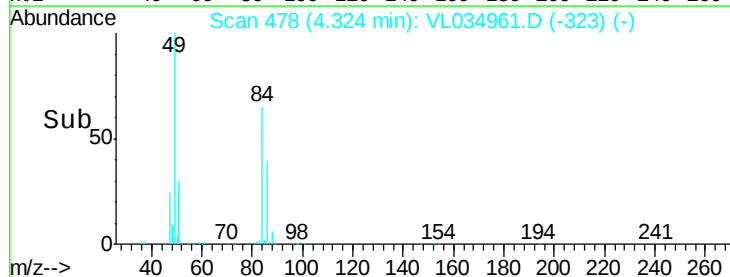
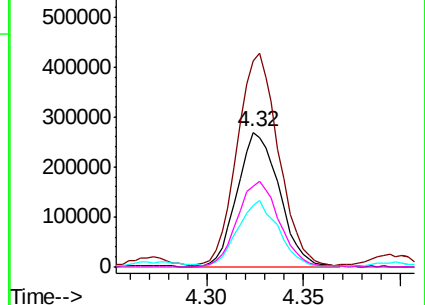


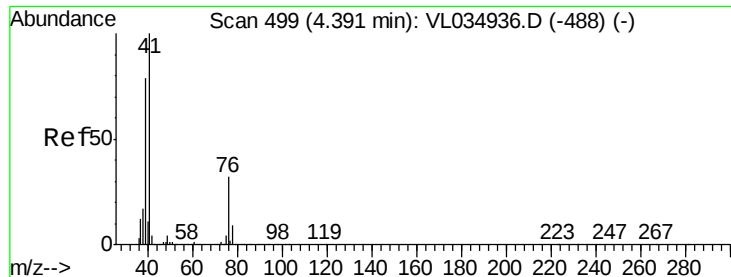
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

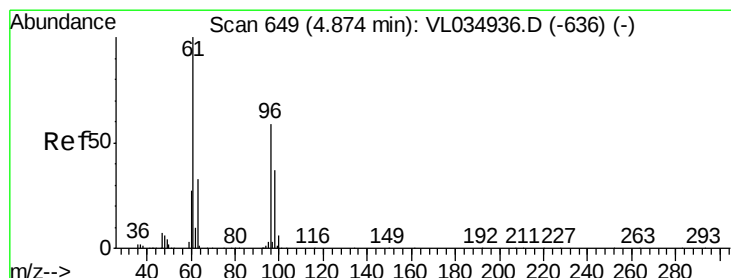
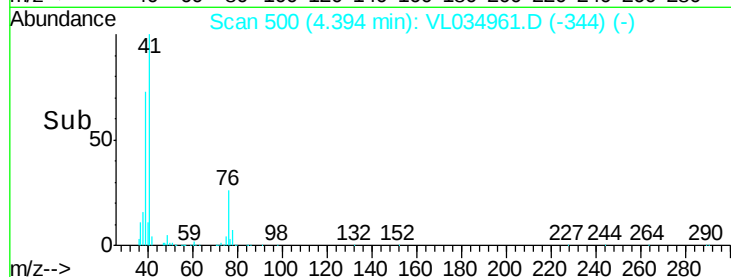
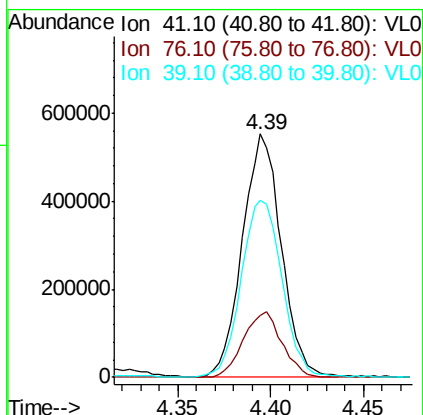
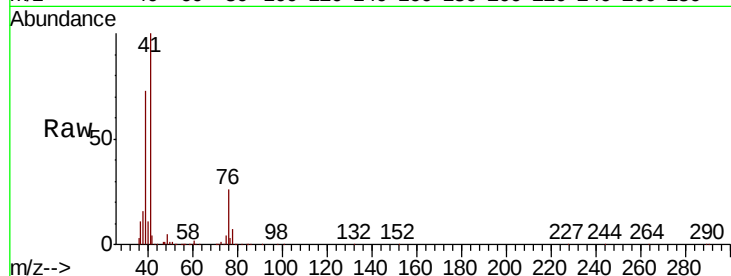




#21
Allvl Chloride
Concen: 9.729 ppbv
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

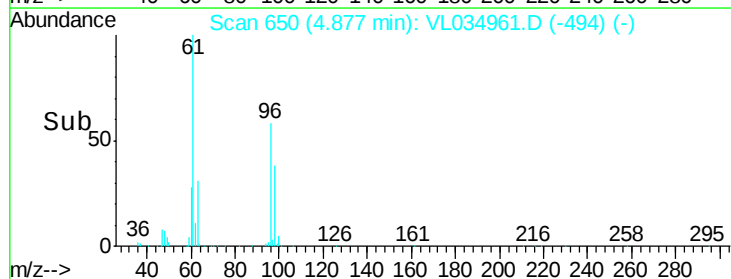
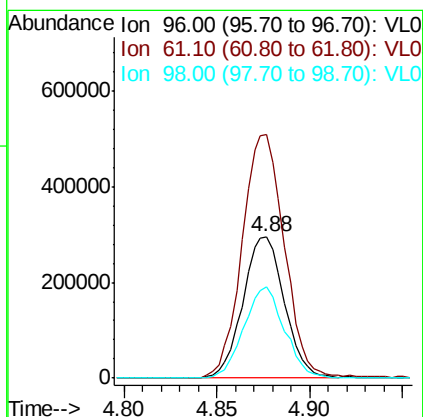
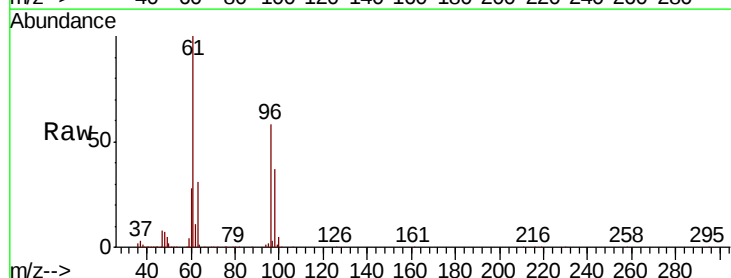
Instrument :
MSVOA_L
ClientSampleId :

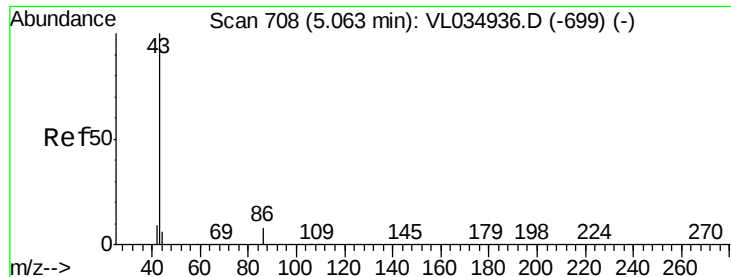
Tot Ion: 41 Resp: 802322
Ion Ratio Lower Upper
41 100
76 26.9 23.6 35.4
39 76.7 61.9 92.9



#22
trans-1,2-Dichloroethene
Concen: 9.279 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 96 Resp: 458882
Ion Ratio Lower Upper
96 100
61 171.7 135.3 202.9
98 64.4 50.4 75.6





#23

Vinyl Acetate

Concen: 10.230 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 1893920

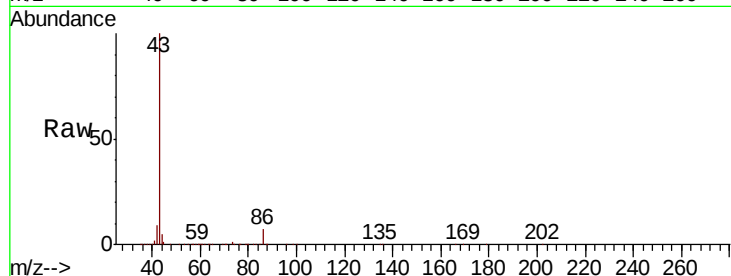
Ion Ratio Lower Upper

43 100

86 6.9 5.5 8.3

42 9.3 8.0 12.0

44 5.1 4.5 6.7

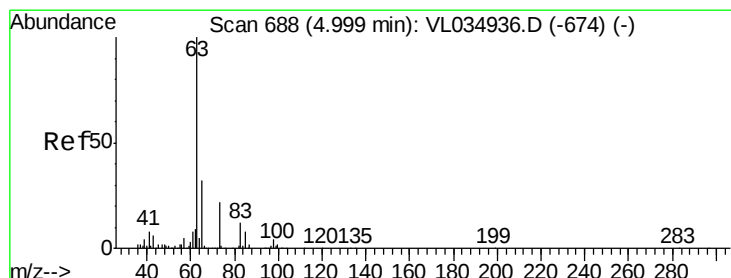
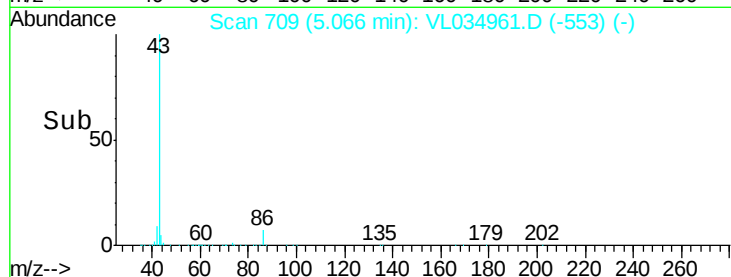
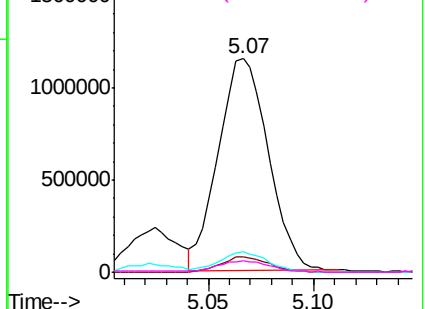


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.951 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

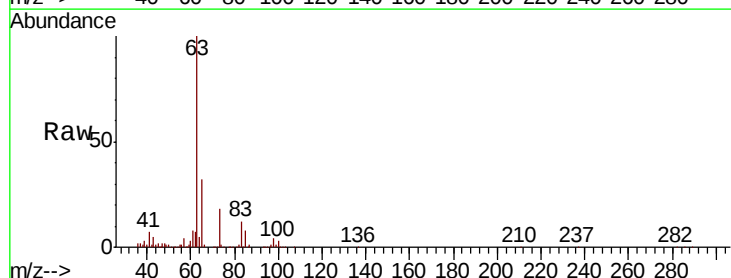
Tgt Ion: 63 Resp: 1276411

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

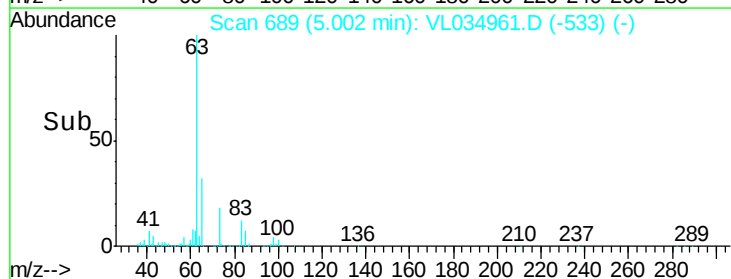
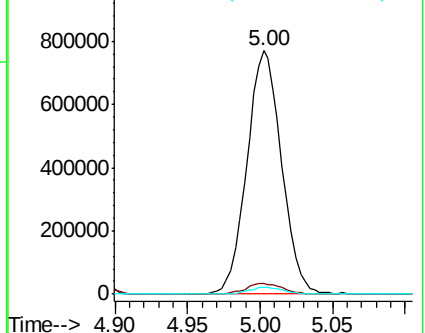
100 2.9 1.1 3.5

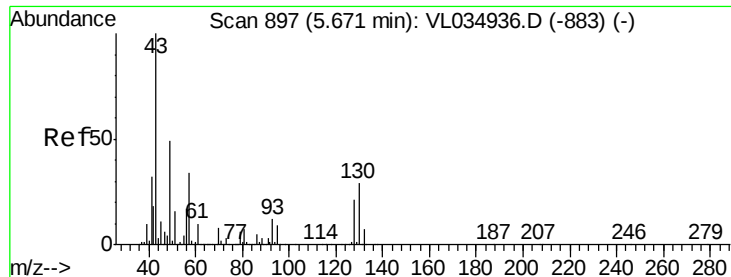


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



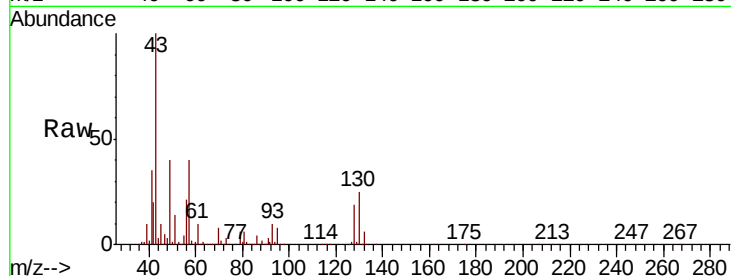


#25
Ethyl Acetate
Concen: 9.662 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 2369571

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.5	7.8	11.8
70	7.5	6.0	9.0



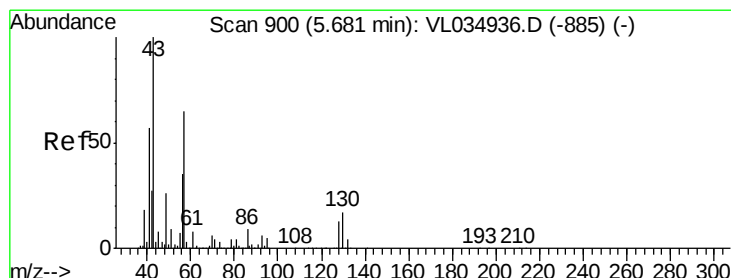
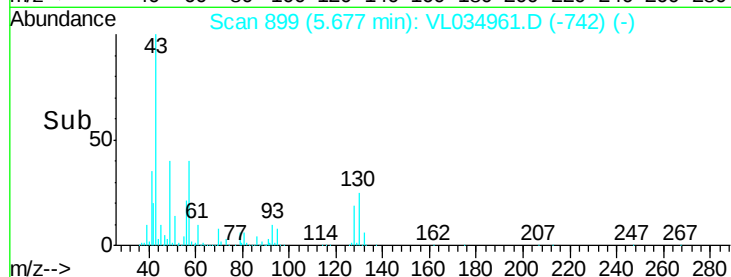
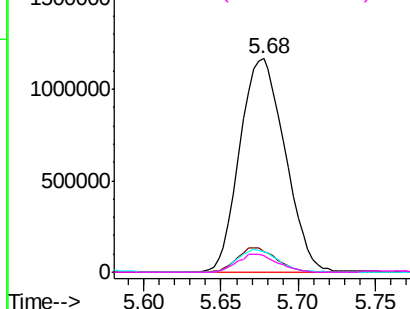
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.672 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 57 Resp: 1028299

Ion	Ratio	Lower	Upper
57	100		
41	90.6	72.7	109.1
43	231.6	182.1	273.1
56	51.9	42.2	63.2

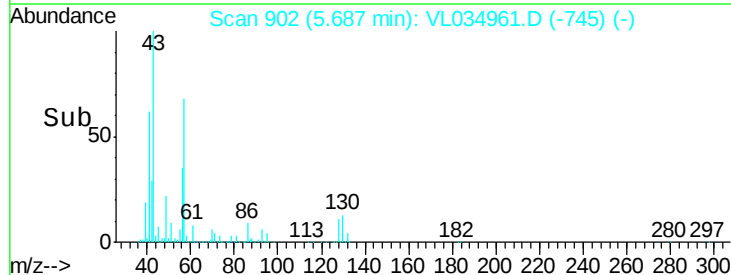
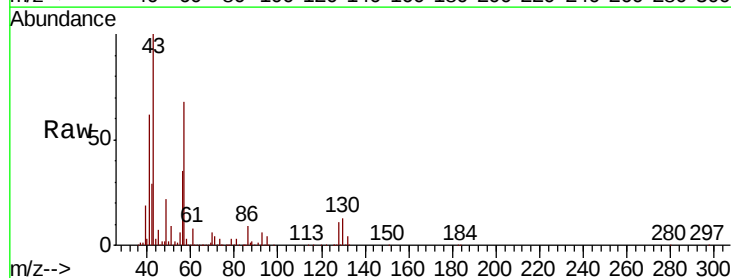
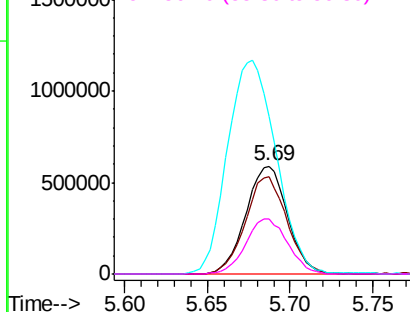
Abundance

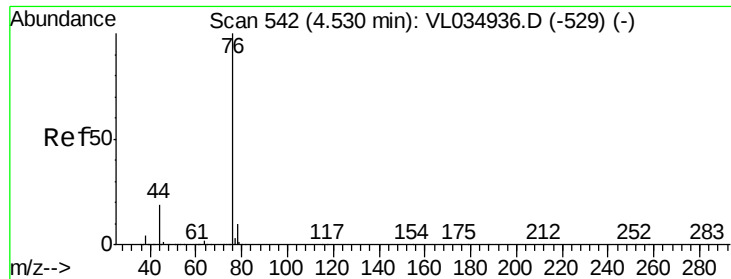
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 8.984 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

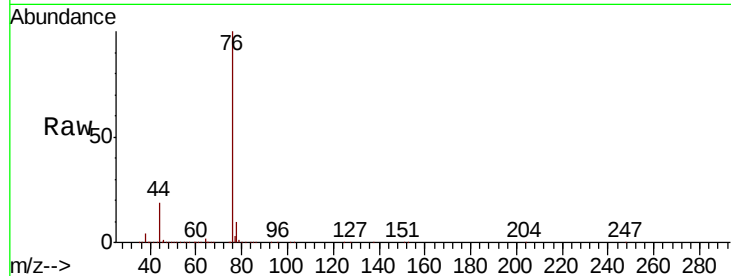
Tot Ion: 76 Resp: 1125748

Ion Ratio Lower Upper

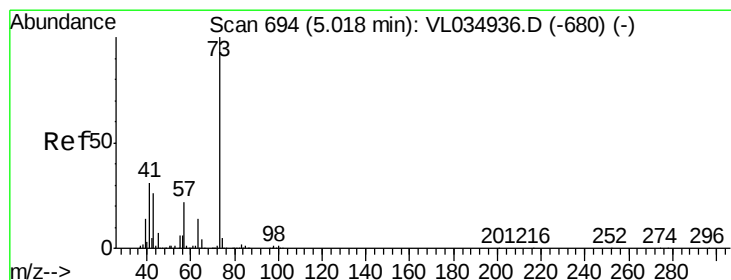
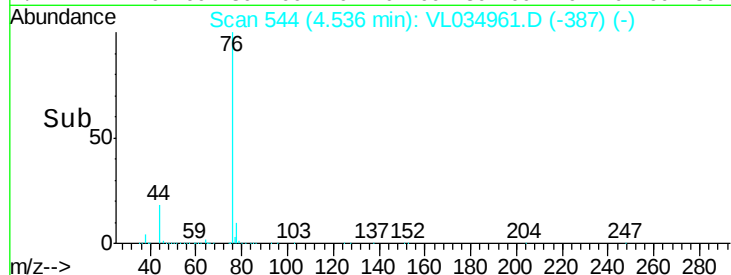
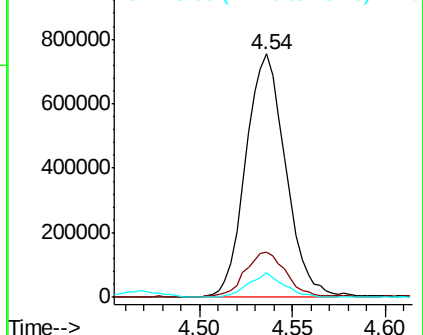
76 100

44 18.8 15.2 22.8

78 9.3 7.7 11.5



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



#28

Methyl tert-Butyl Ether

Concen: 9.725 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034961.D

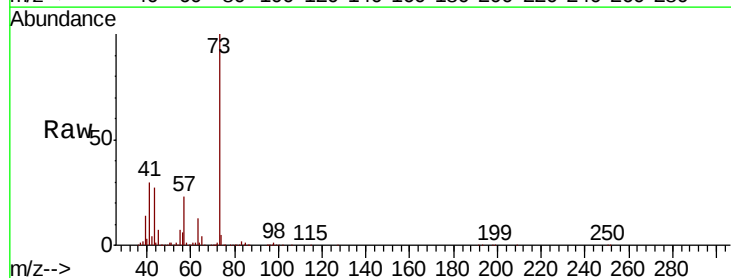
Acq: 7 May 2020 8:42

Tgt Ion: 73 Resp: 1574740

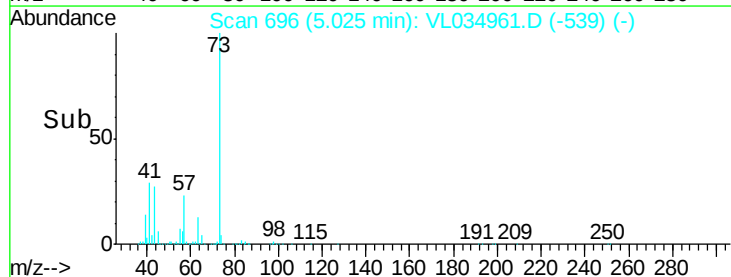
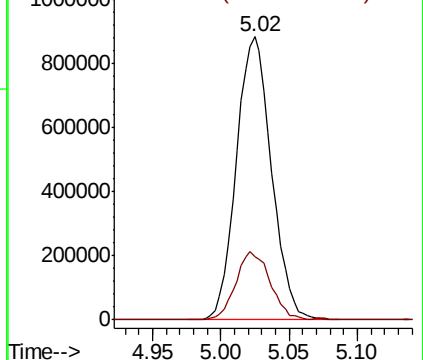
Ion Ratio Lower Upper

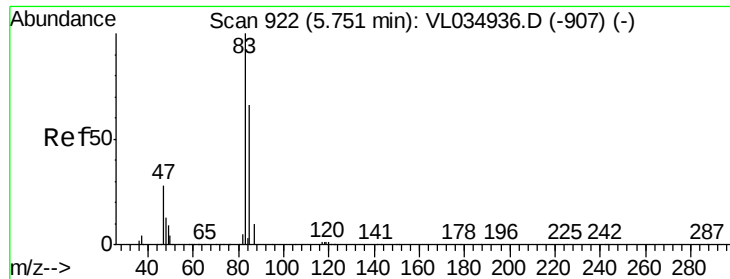
73 100

57 24.0 18.3 27.5



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





#29

Chloroform

Concen: 8.691 ppbv

RT: 5.75 min Scan# 923

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

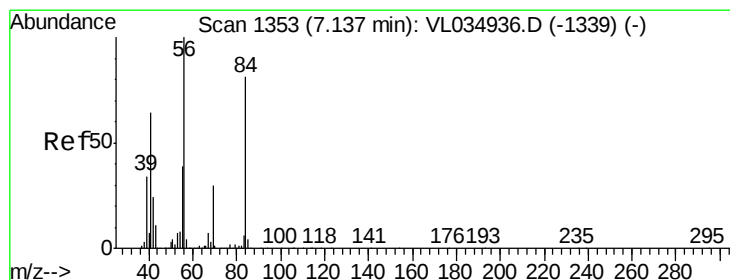
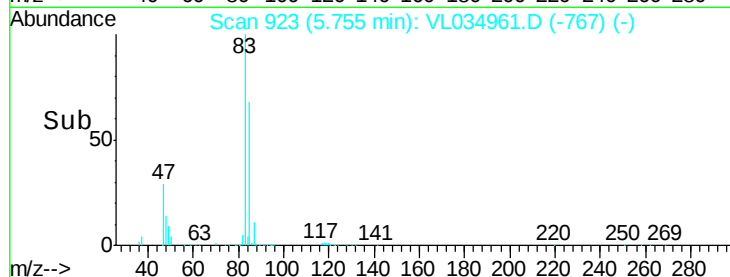
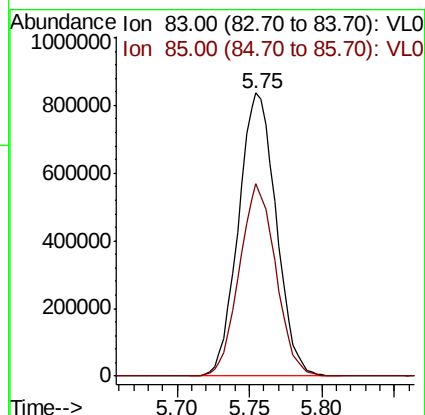
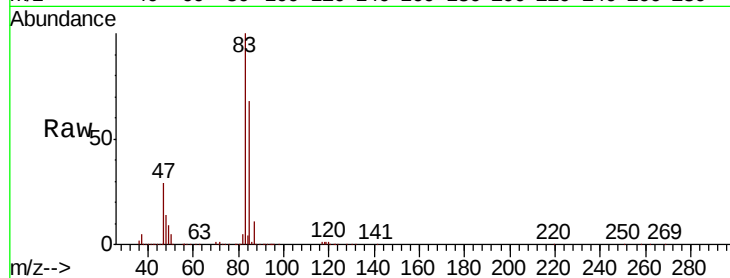
ClientSampleId :

Tot Ion: 83 Resp: 1511849

Ion Ratio Lower Upper

83 100

85 67.8 53.0 79.6



#30

Cyclohexane

Concen: 10.505 ppbv

RT: 7.14 min Scan# 1355

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

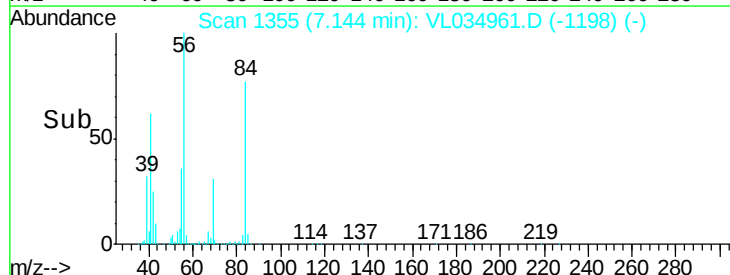
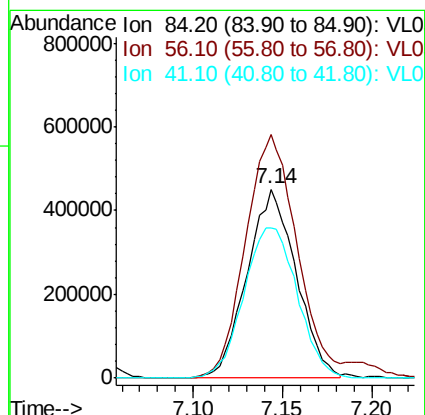
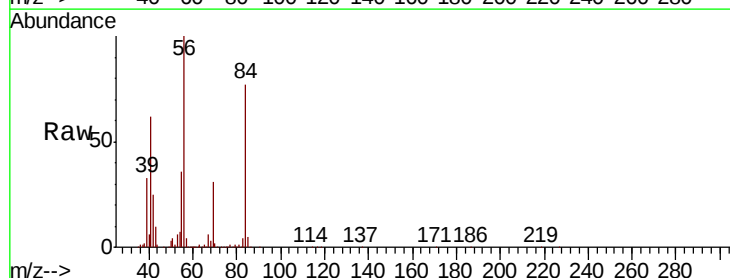
Tgt Ion: 84 Resp: 861850

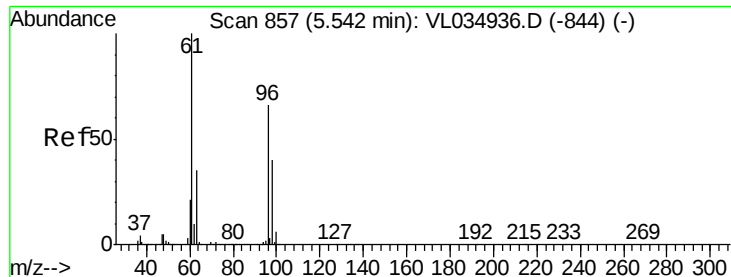
Ion Ratio Lower Upper

84 100

56 142.8 111.4 167.2

41 87.7 66.7 100.1



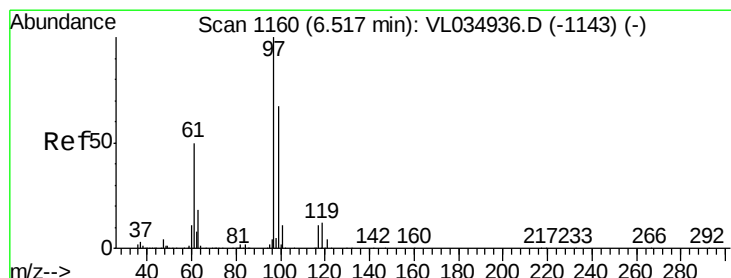
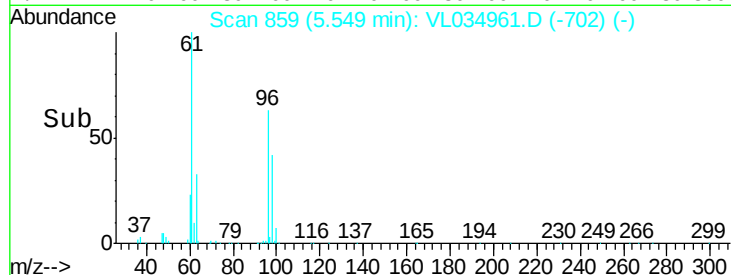
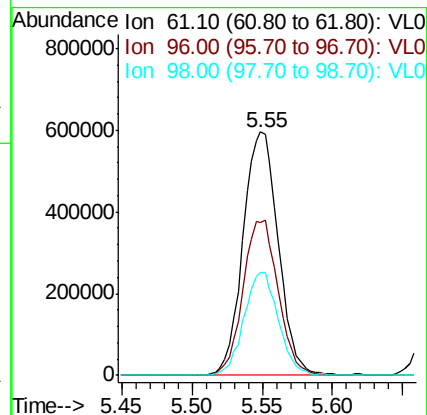
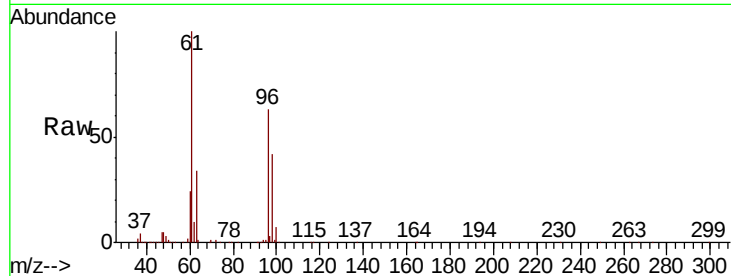


#31

cis-1,2-Dichloroethene
 Concen: 10.060 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :

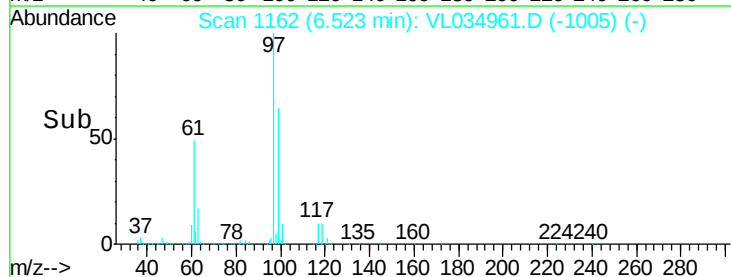
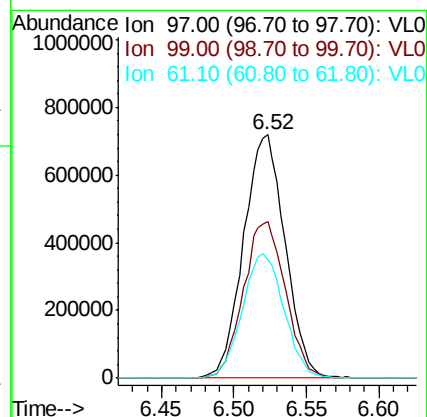
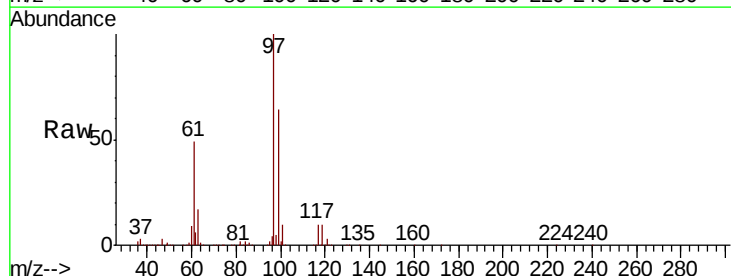
Tot Ion: 61 Resp: 1043586
 Ion Ratio Lower Upper
 61 100
 96 63.0 53.0 79.6
 98 42.0 32.2 48.2

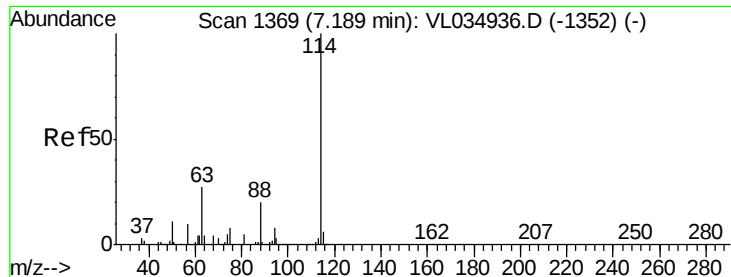


#32

1,1,1-Trichloroethane
 Concen: 9.098 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion: 97 Resp: 1429272
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.1 78.1
 61 51.7 41.8 62.8



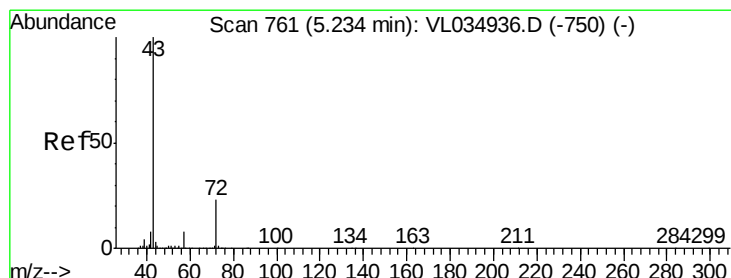
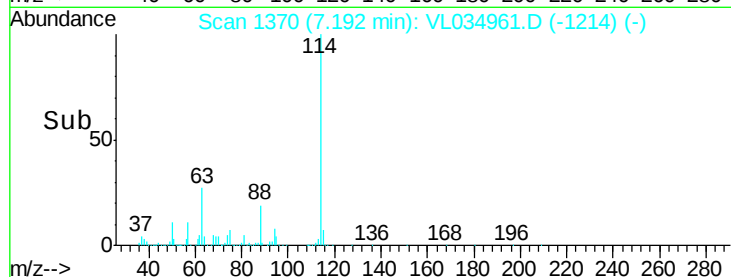
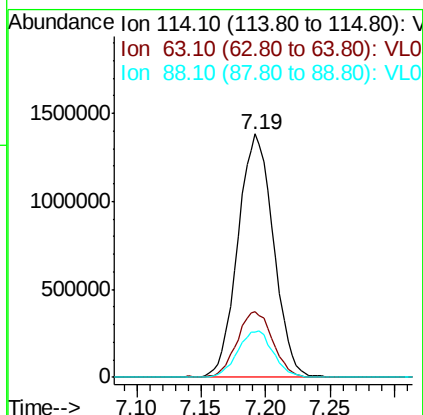
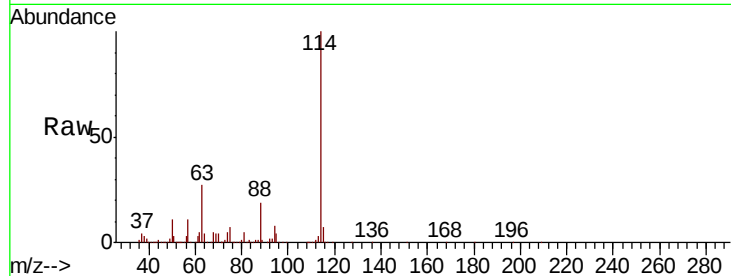


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2655917

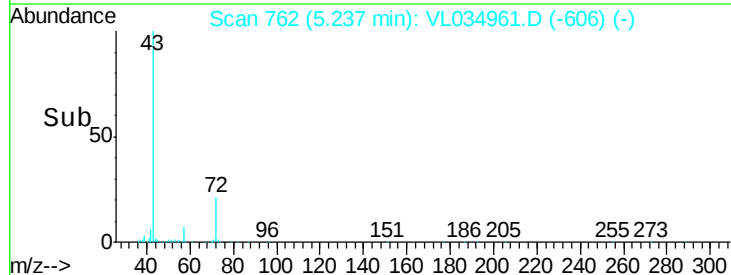
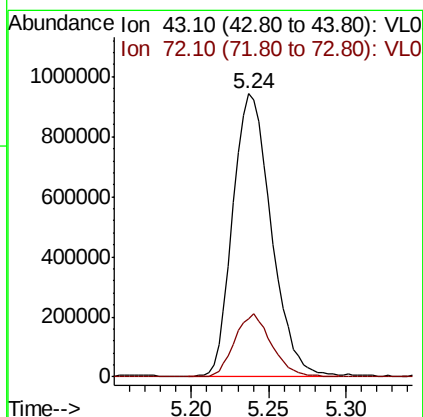
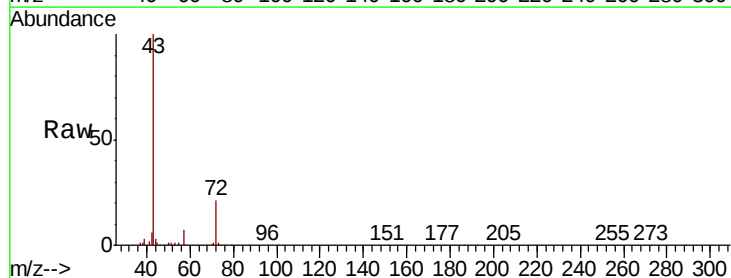
Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	19.0	15.5	23.3

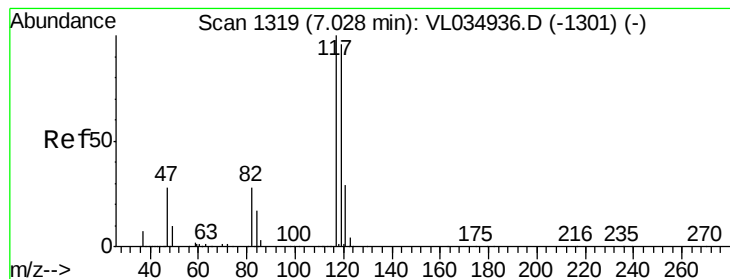


#34
 2-Butanone
 Concen: 9.843 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion: 43 Resp: 1624719

Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.0	27.0





#35

Carbon Tetrachloride

Concen: 8.586 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

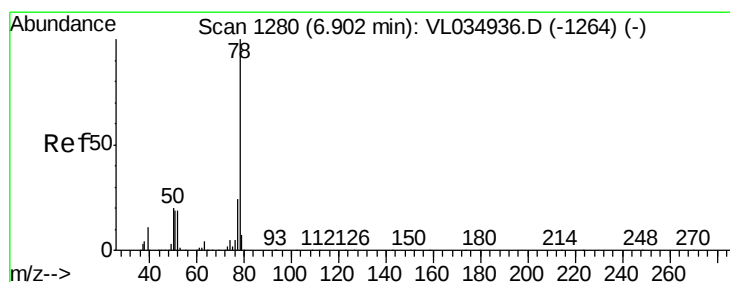
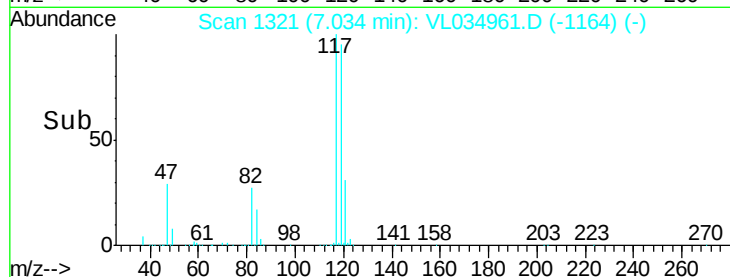
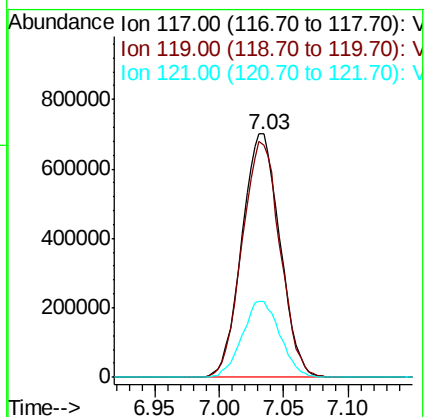
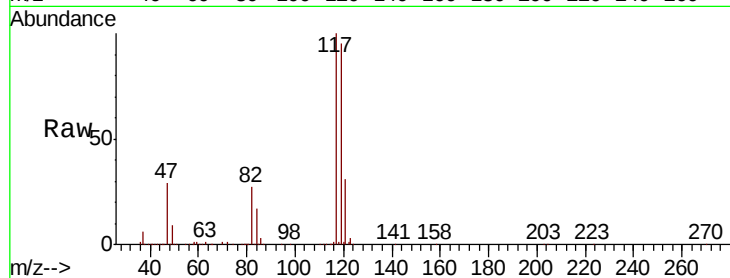
Tot Ion:117 Resp: 1439328

Ion Ratio Lower Upper

117 100

119 95.1 77.0 115.6

121 30.9 23.0 34.6



#36

Benzene

Concen: 9.493 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

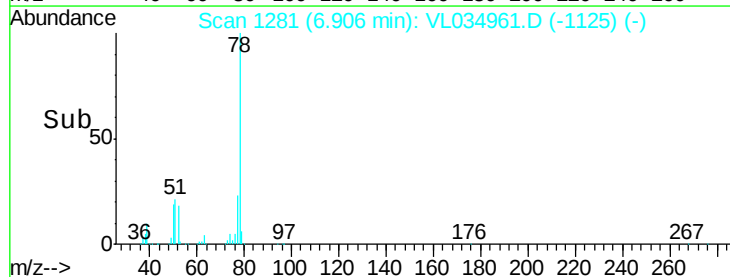
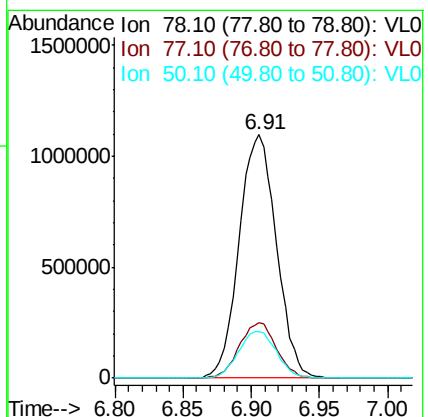
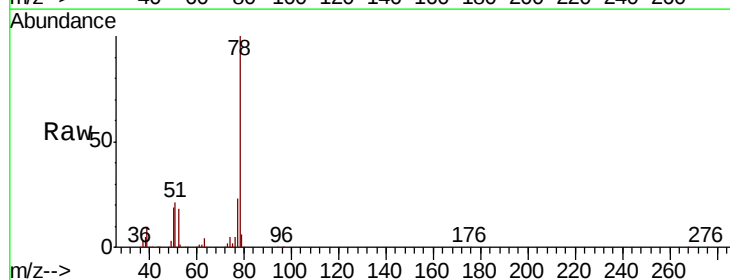
Tgt Ion: 78 Resp: 2078665

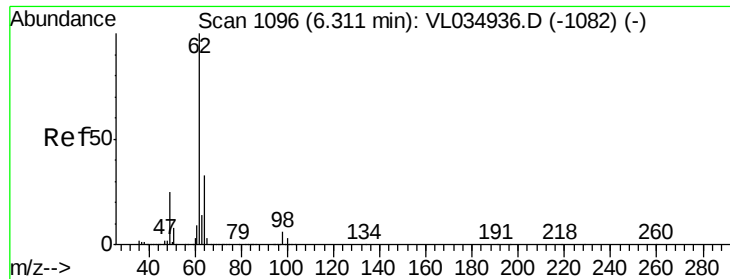
Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.6

50 19.1 15.8 23.8

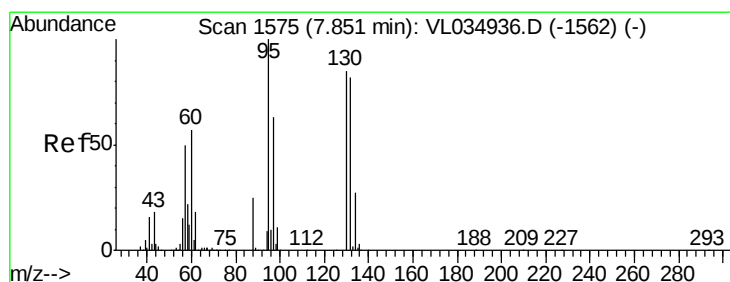
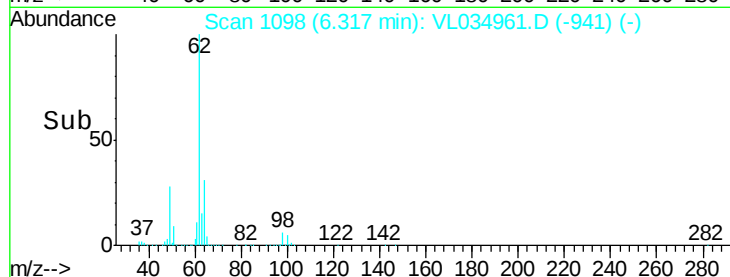
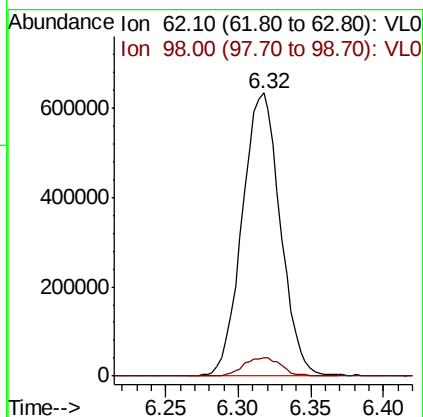
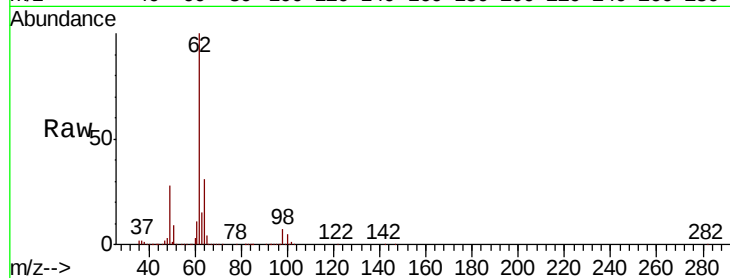




#37
 1,2-Dichloroethane
 Concen: 8.588 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

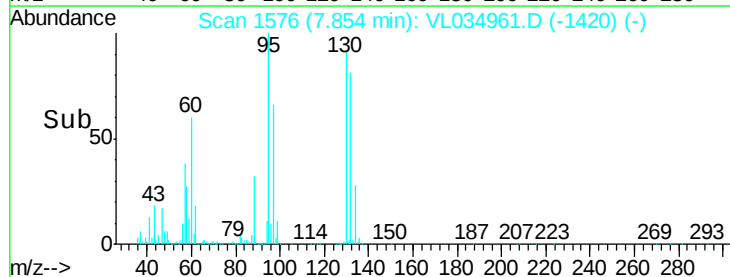
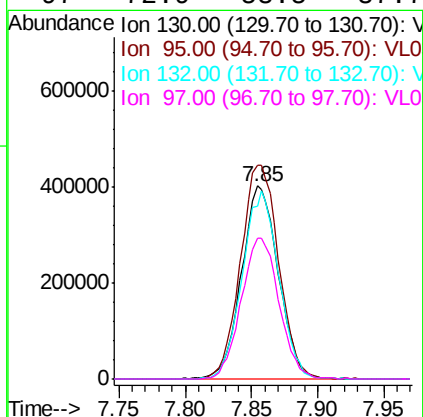
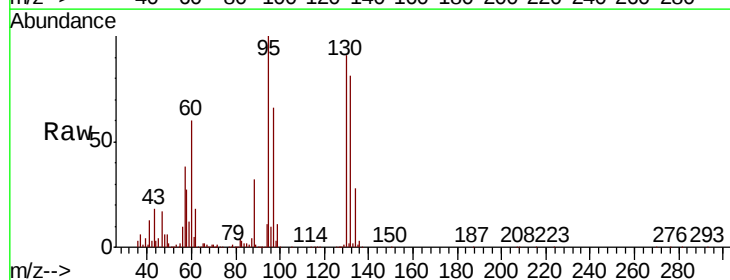
Instrument :
 MSVOA_L
 ClientSampleId :

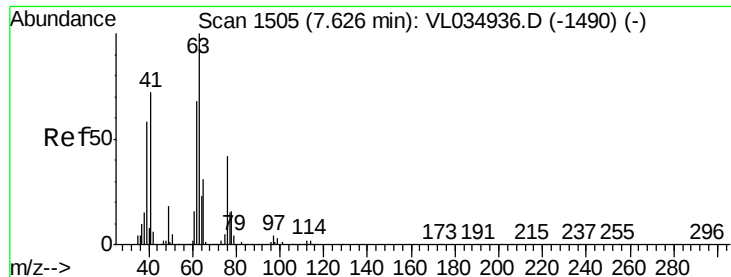
Tot Ion: 62 Resp: 1160000
 Ion Ratio Lower Upper
 62 100
 98 6.6 4.8 7.2



#38
 Trichloroethene
 Concen: 9.062 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion: 130 Resp: 768752
 Ion Ratio Lower Upper
 130 100
 95 110.6 93.4 140.0
 132 89.7 76.4 114.6
 97 72.9 58.5 87.7

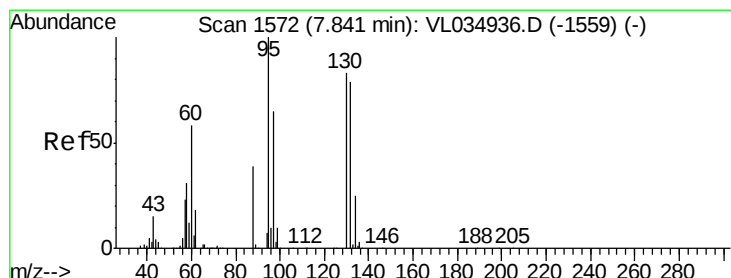
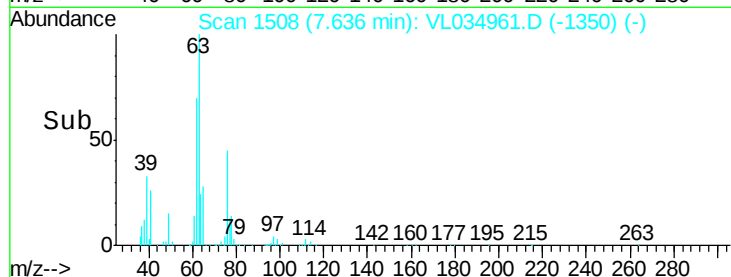
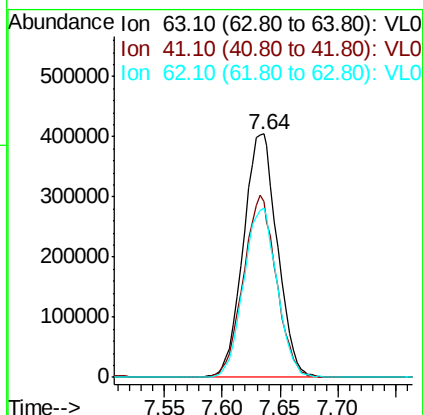
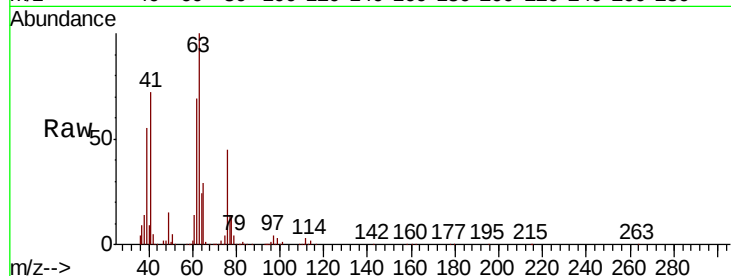




#39
 1,2-Dichloropropane
 Concen: 9.418 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

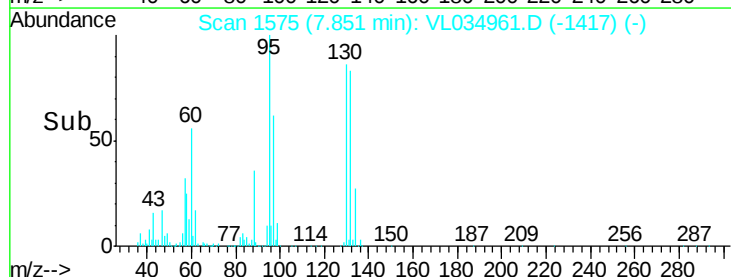
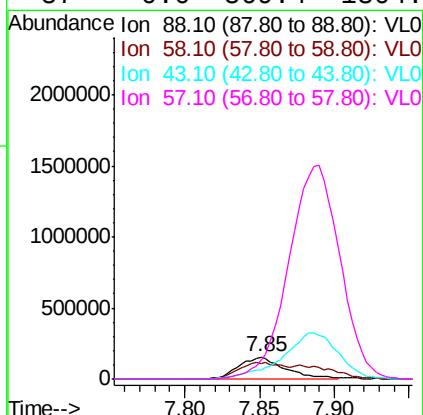
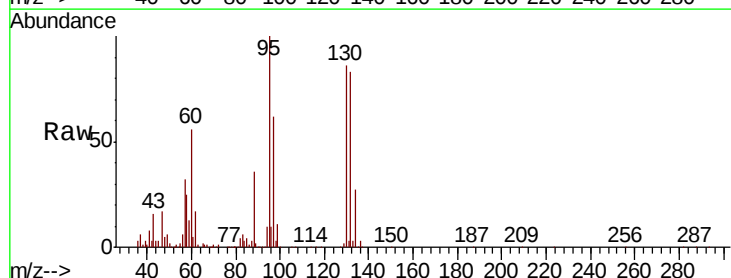
Instrument :
 MSVOA_L
 ClientSampleId :

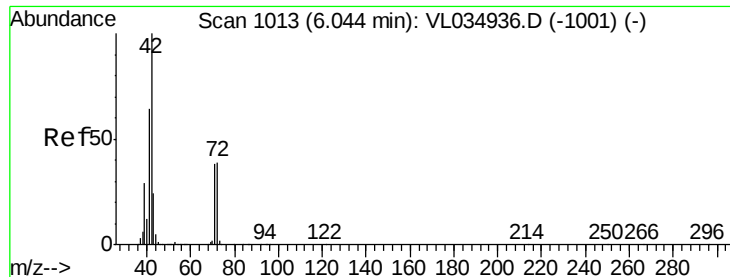
Tot Ion	Ratio	Lower	Upper
63	100		
41	72.1	57.8	86.8
62	69.3	54.2	81.2



#40
 1,4-Dioxane
 Concen: 9.091 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	132.2	105.1	157.7
43	0.0	202.6	303.8#
57	0.0	869.4	1304.0#

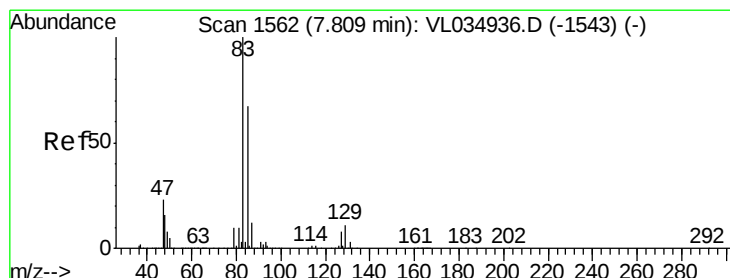
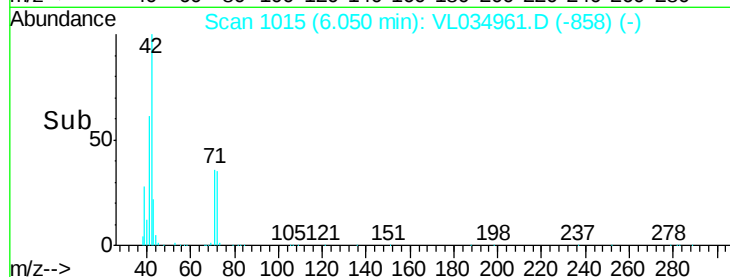
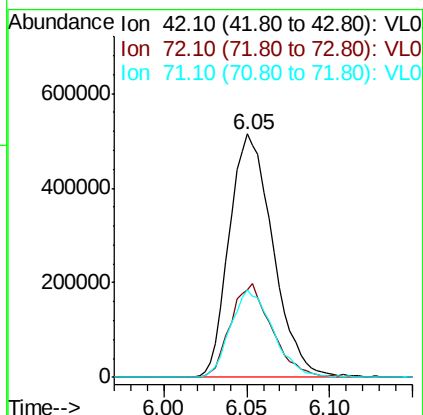
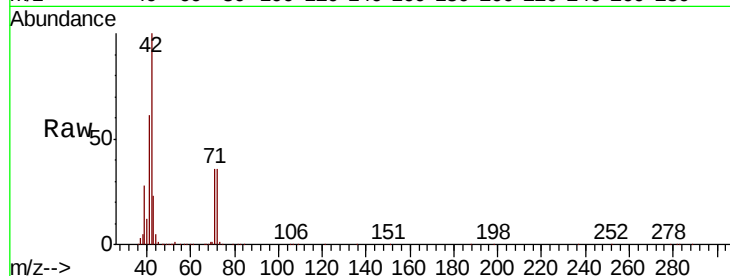




#41
Tetrahydrofuran
Concen: 10.832 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

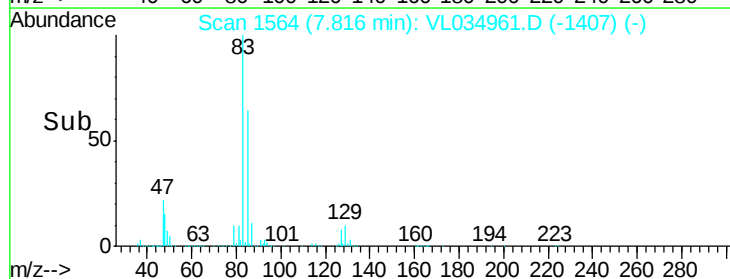
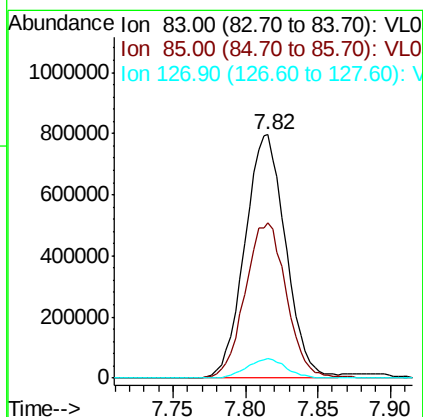
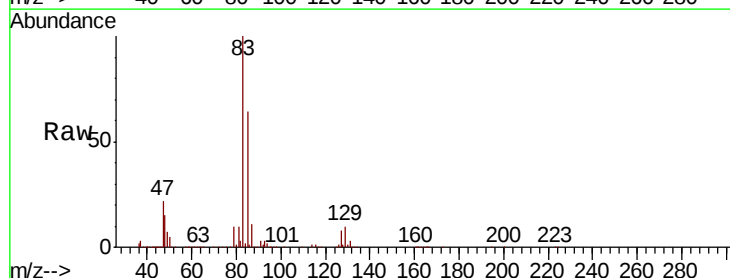
Instrument :
MSVOA_L
ClientSampleId :

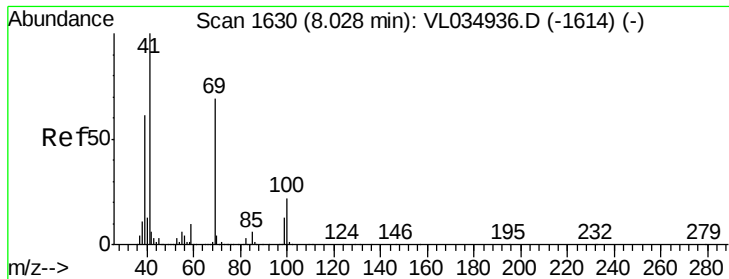
Tot Ion	Ratio	Lower	Upper
42	100		
72	36.7	31.4	47.0
71	35.2	29.8	44.8



#42
Bromodichloromethane
Concen: 8.562 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	53.4	80.0
127	7.8	6.1	9.1

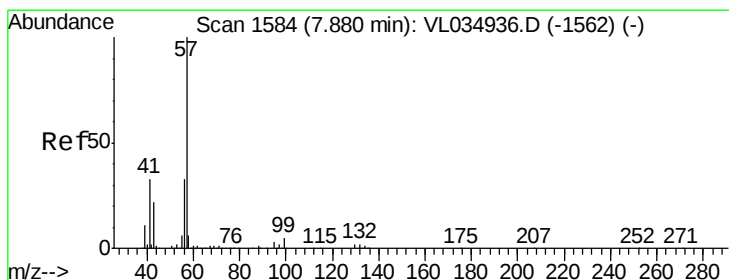
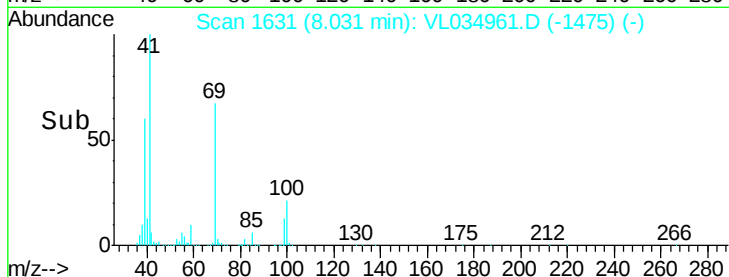
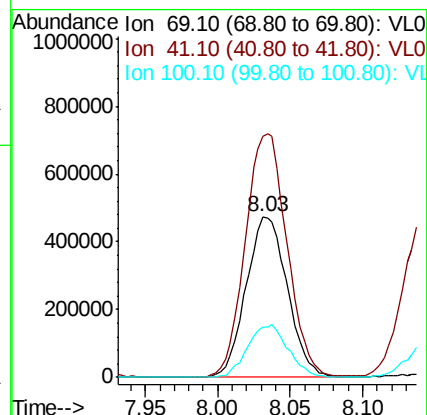
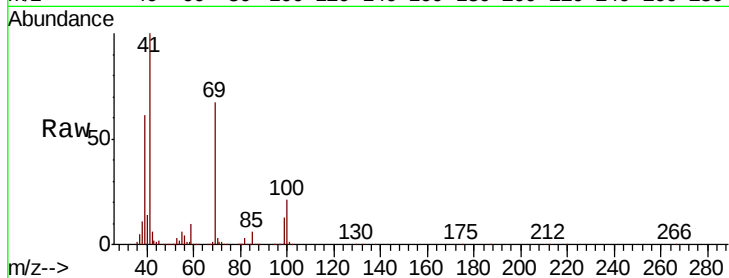




#43
Methvl Methacrilate
Concen: 10.160 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

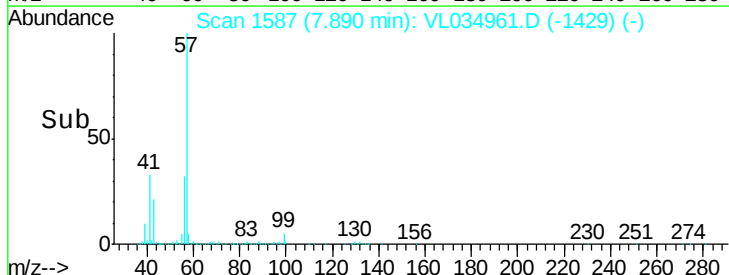
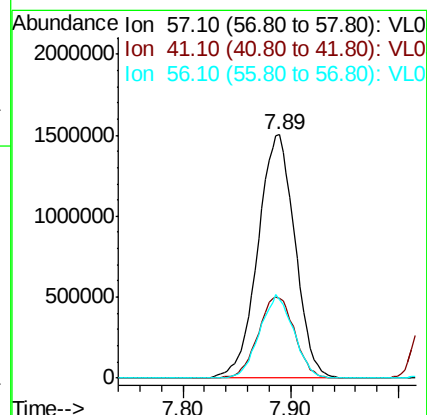
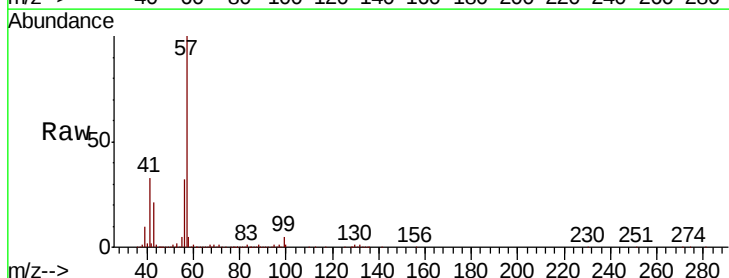
Instrument :
MSVOA_L
ClientSampleId :

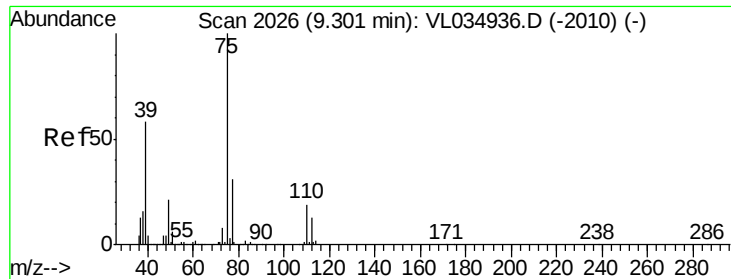
Tot Ion: 69 Resp: 939429
Ion Ratio Lower Upper
69 100
41 152.9 119.8 179.6
100 32.2 25.0 37.6



#44
2,2,4-Trimethylpentane
Concen: 9.198 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 57 Resp: 3580916
Ion Ratio Lower Upper
57 100
41 32.7 26.4 39.6
56 31.5 25.5 38.3

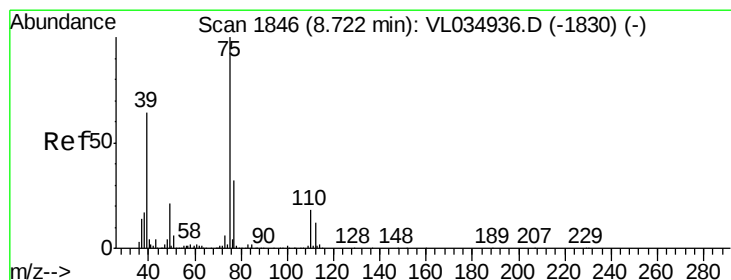
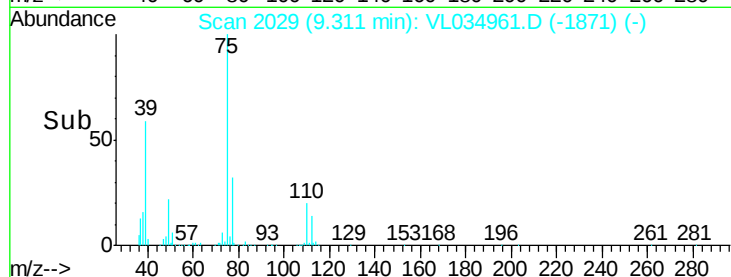
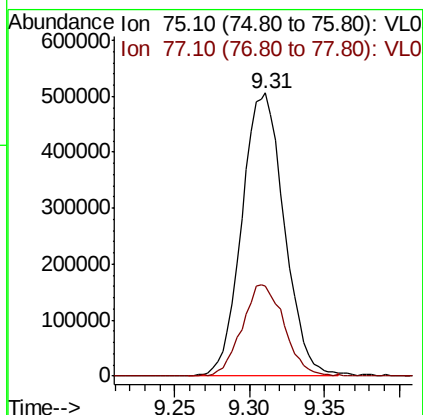
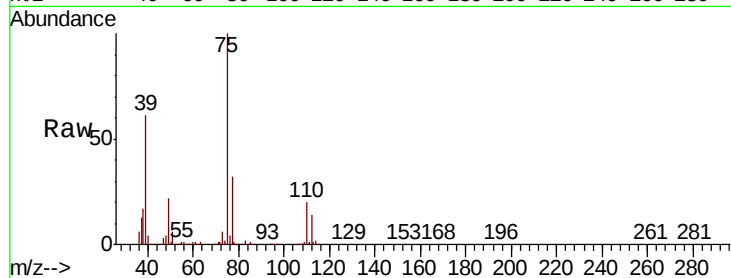




#45
t-1,3-Dichloropropene
Concen: 10.666 ppbv
RT: 9.31 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

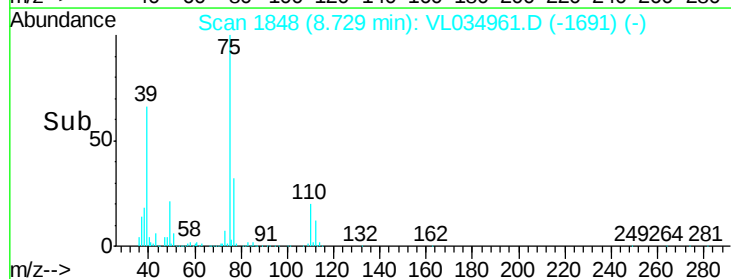
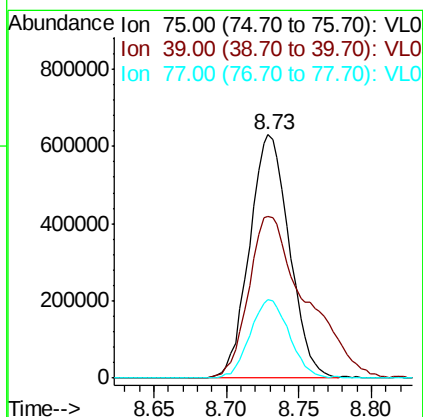
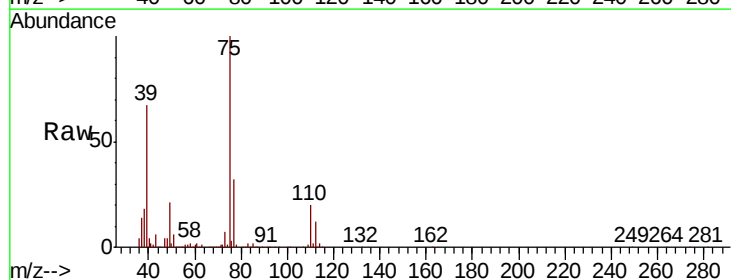
Instrument :
MSVOA_L
ClientSampled :

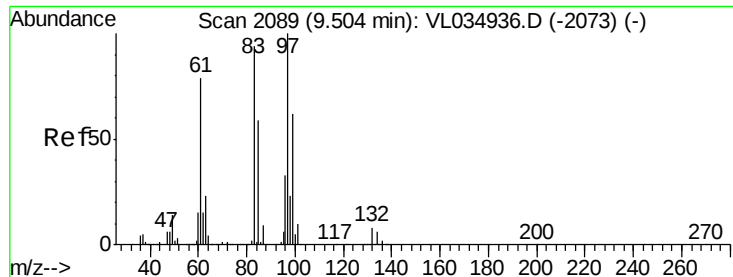
Tot Ion: 75 Resp: 995204
Ion Ratio Lower Upper
75 100
77 31.9 24.9 37.3



#46
cis-1,3-Dichloropropene
Concen: 10.505 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 75 Resp: 1203497
Ion Ratio Lower Upper
75 100
39 66.4 51.5 77.3
77 32.0 25.5 38.3

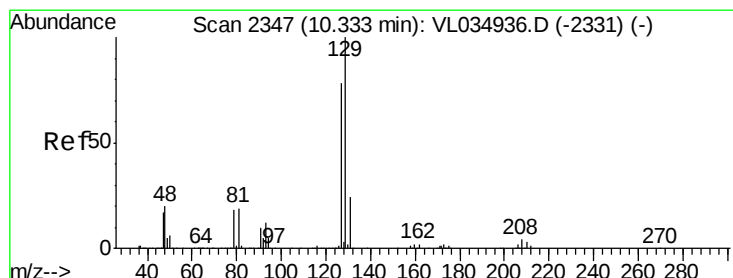
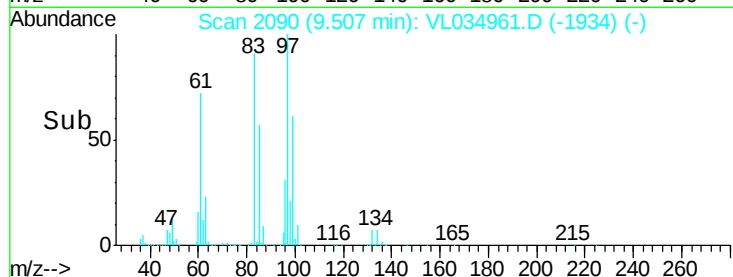
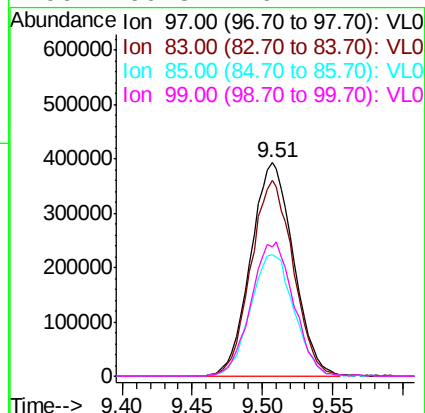
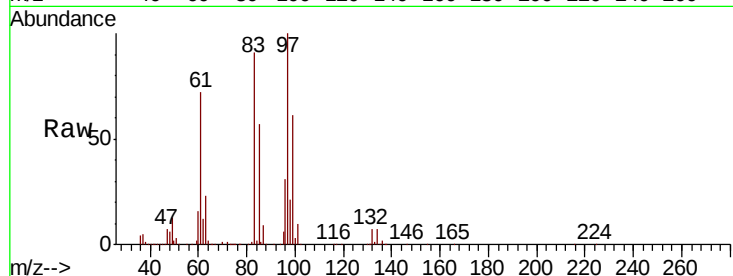




#47
 1,1,2-Trichloroethane
 Concen: 9.012 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

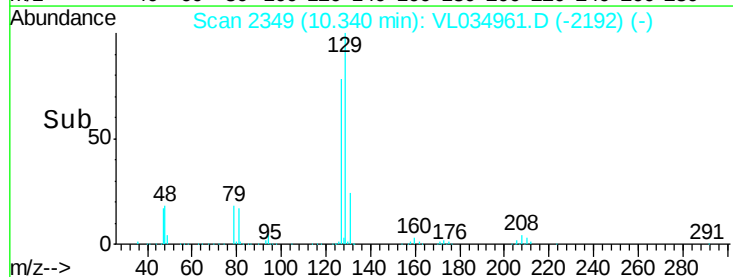
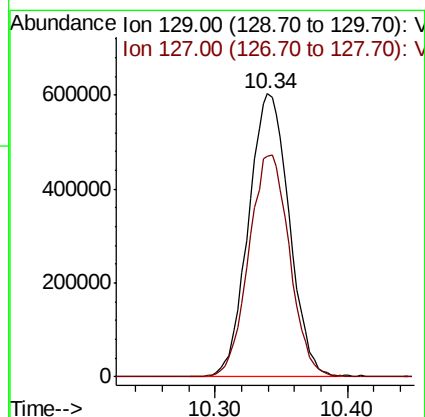
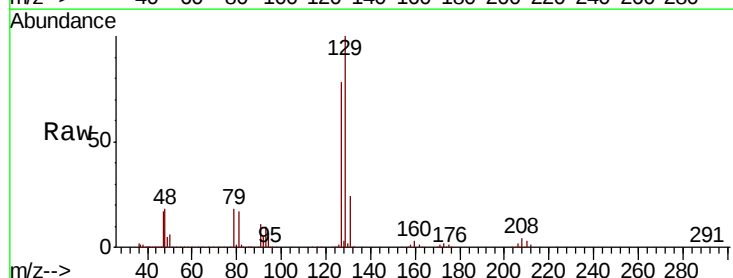
Instrument :
 MSVOA_L
 ClientSampleID :

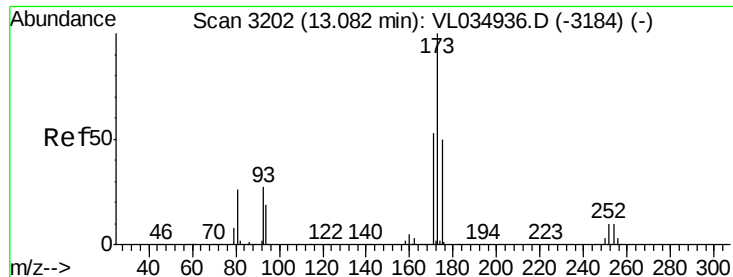
Tot Ion: 97 Resp: 834842
 Ion Ratio Lower Upper
 97 100
 83 91.5 75.6 113.4
 85 57.1 47.0 70.6
 99 60.8 49.4 74.2



#48
 Dibromochloromethane
 Concen: 9.057 ppbv
 RT: 10.34 min Scan# 2349
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion: 129 Resp: 1290124
 Ion Ratio Lower Upper
 129 100
 127 78.6 39.1 117.2





#49

Bromoform

Concen: 8.889 ppbv

RT: 13.09 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

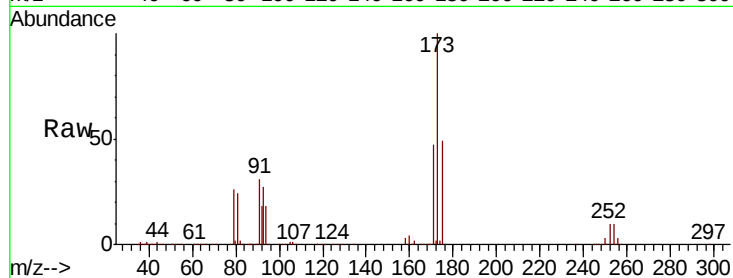
Tot Ion:173 Resp: 1089476

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.6

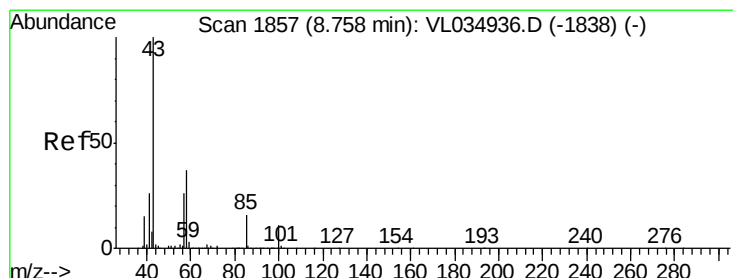
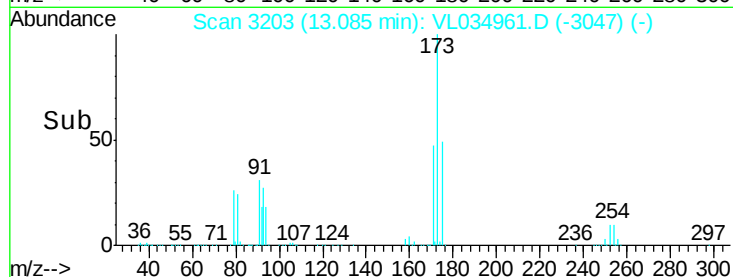
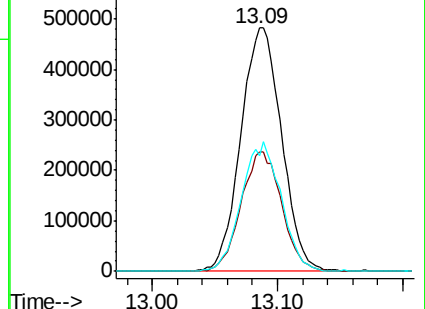
171 51.7 41.4 62.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.874 ppbv

RT: 8.76 min Scan# 1859

Delta R.T. 0.01 min

Lab File: VL034961.D

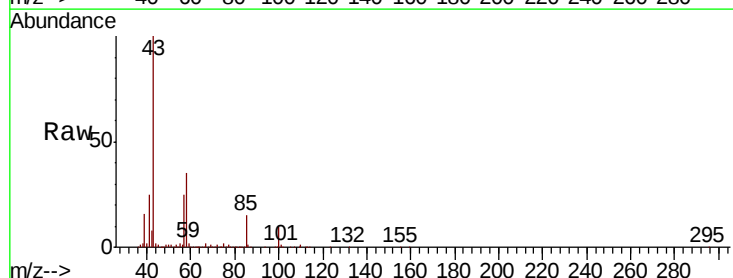
Acq: 7 May 2020 8:42

Tgt Ion: 43 Resp: 2324188

Ion Ratio Lower Upper

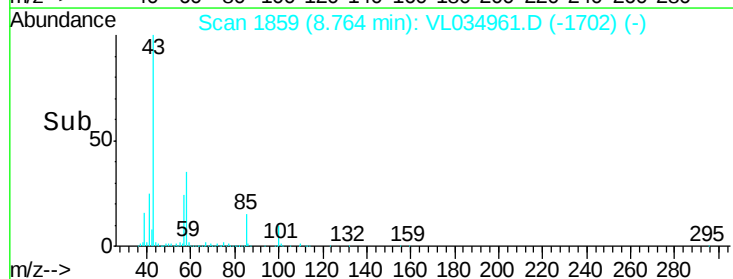
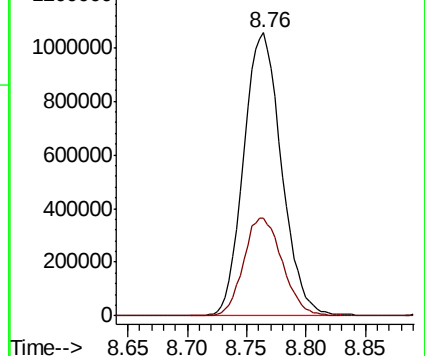
43 100

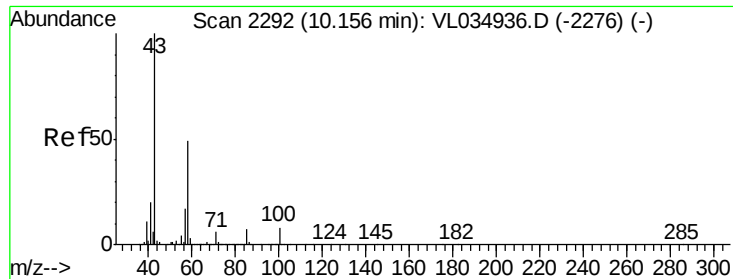
58 35.4 29.1 43.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

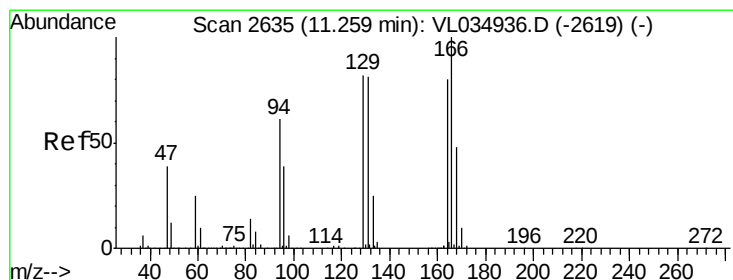
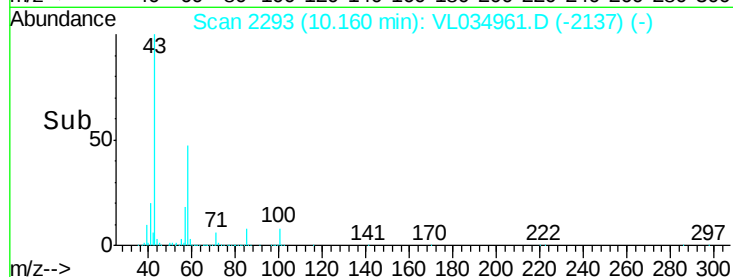
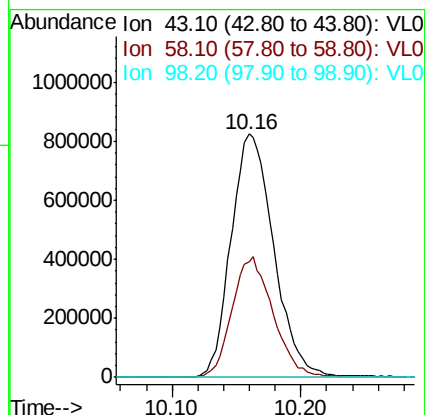
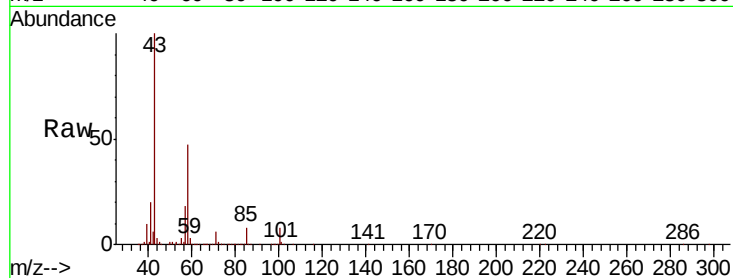




#51
2-Hexanone
Concen: 10.255 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

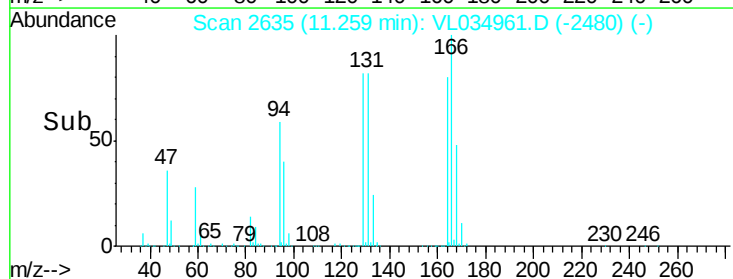
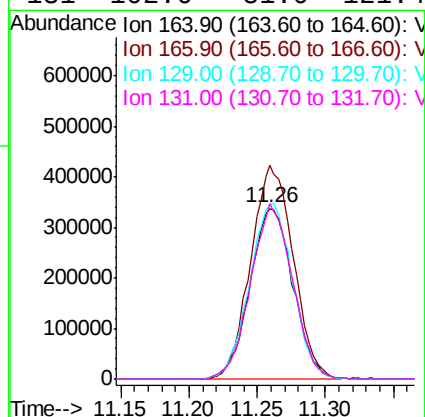
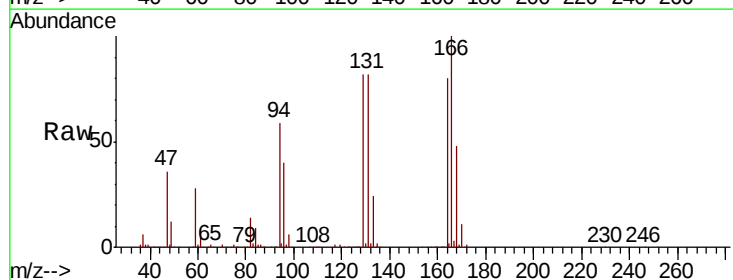
Instrument :
MSVOA_L
ClientSampleId :

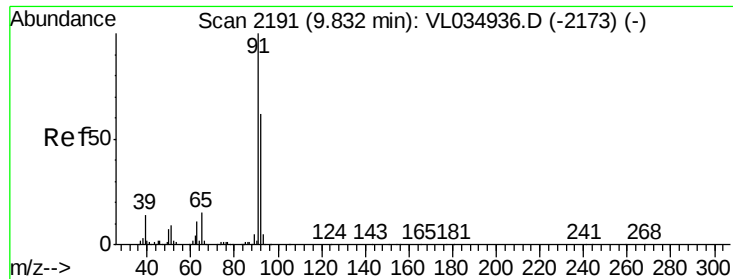
Tot Ion: 43 Resp: 1887987
Ion Ratio Lower Upper
43 100
58 47.9 39.1 58.7
98 0.2 0.3 0.5#



#52
Tetrachloroethene
Concen: 9.443 ppbv
RT: 11.26 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 164 Resp: 735262
Ion Ratio Lower Upper
164 100
166 125.4 100.7 151.1
129 102.4 83.0 124.4
131 102.6 81.0 121.4





#53

Toluene

Concen: 10.302 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

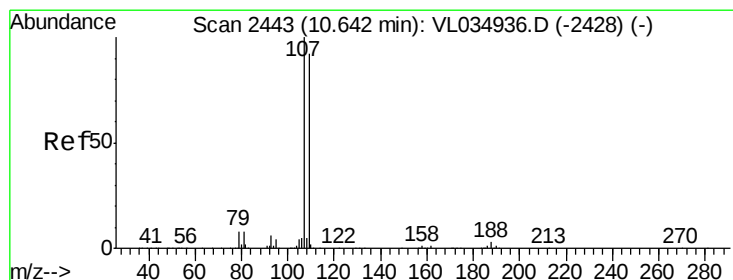
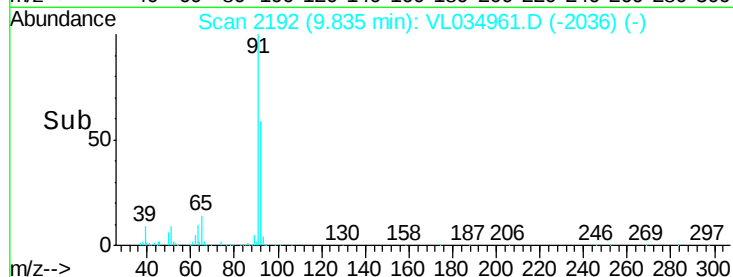
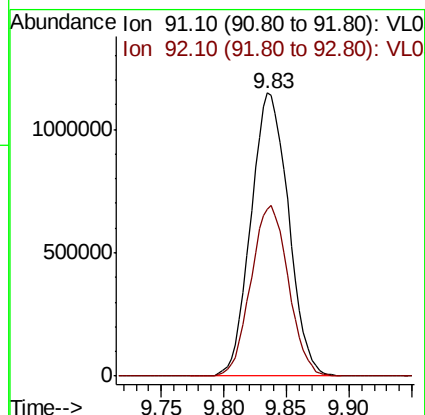
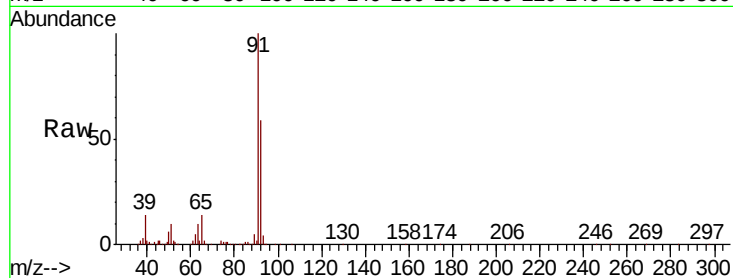
ClientSampleId :

Tot Ion: 91 Resp: 2391311

Ion Ratio Lower Upper

91 100

92 60.2 48.6 73.0



#54

1,2-Dibromoethane

Concen: 9.053 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.00 min

Lab File: VL034961.D

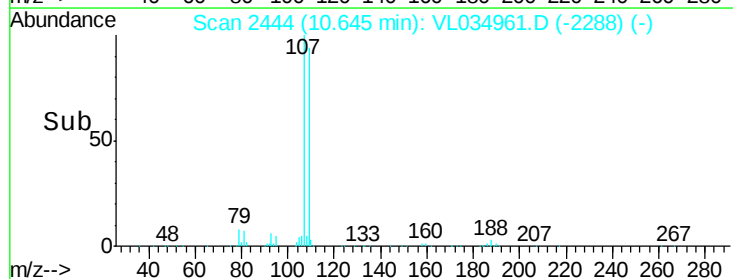
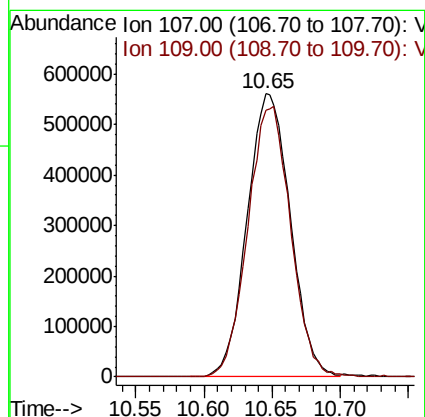
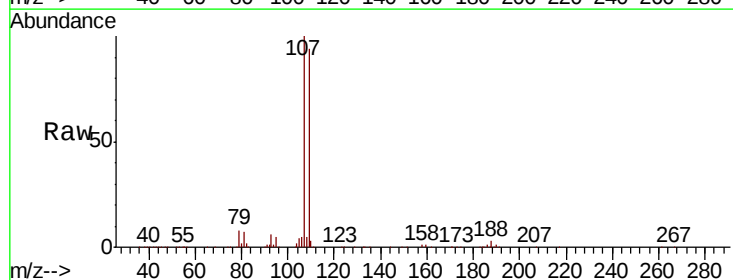
Acq: 7 May 2020 8:42

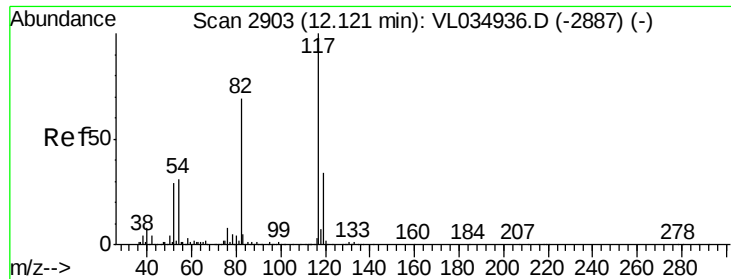
Tgt Ion: 107 Resp: 1231399

Ion Ratio Lower Upper

107 100

109 94.3 73.2 109.8

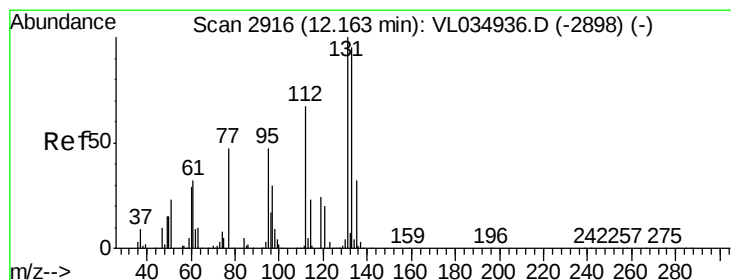
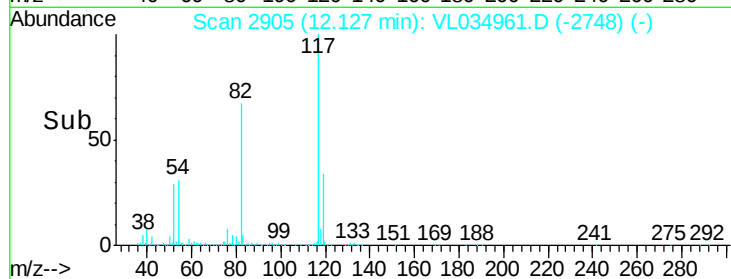
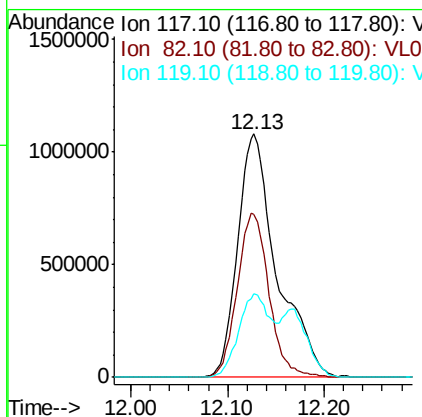
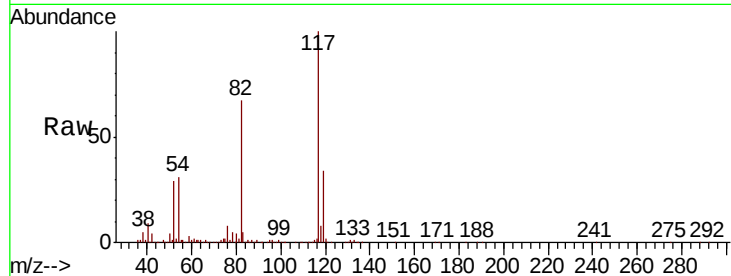




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

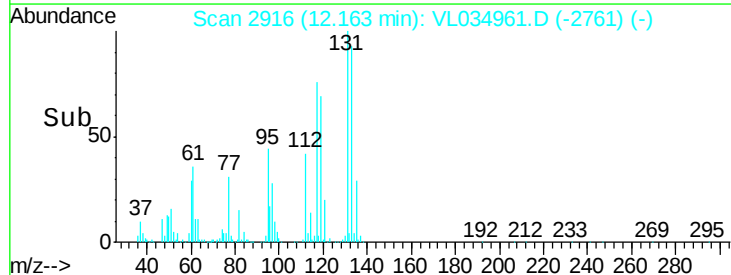
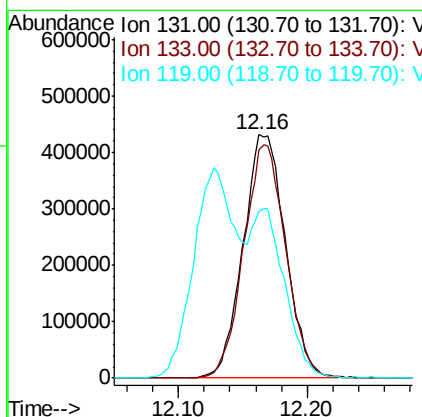
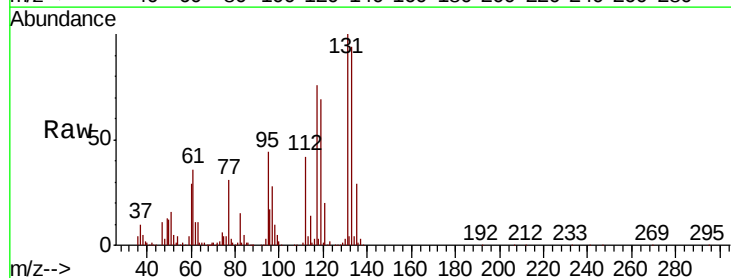
Instrument :
MSVOA_L
ClientSampled :

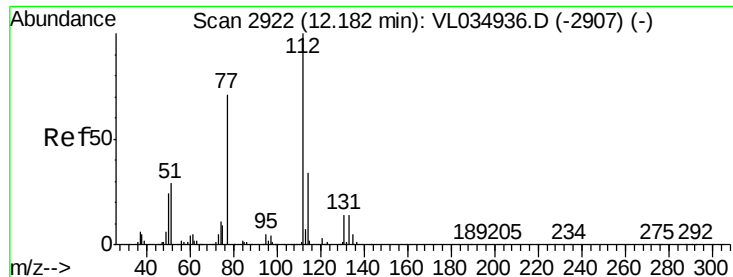
Tot Ion:117 Resp: 3048773
Ion Ratio Lower Upper
117 100
82 54.8 53.1 79.7
119 47.0 26.7 40.1#



#56
1,1,1,2-Tetrachloroethane
Concen: 7.168 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.00 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion:131 Resp: 985575
Ion Ratio Lower Upper
131 100
133 95.4 77.7 116.5
119 59.9 49.8 74.6

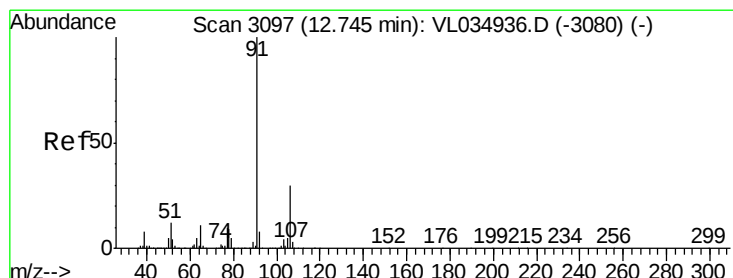
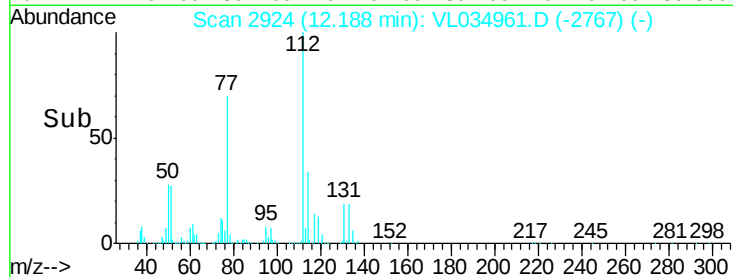
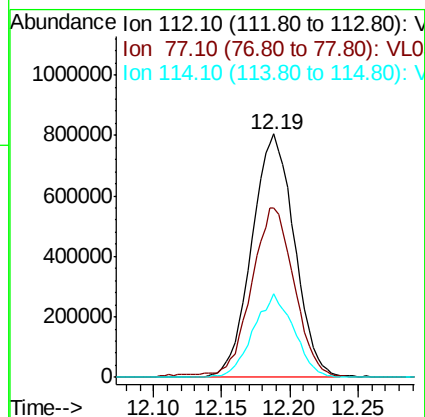
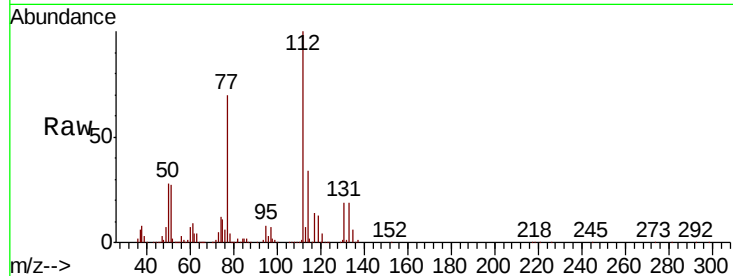




#57
Chlorobenzene
Concen: 7.201 ppbv
RT: 12.19 min Scan# 2924
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

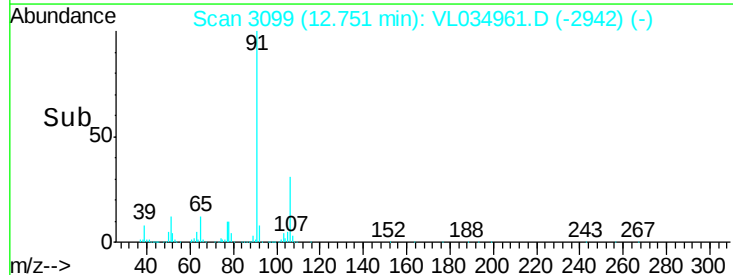
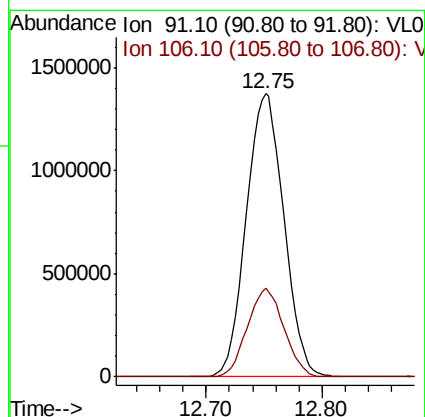
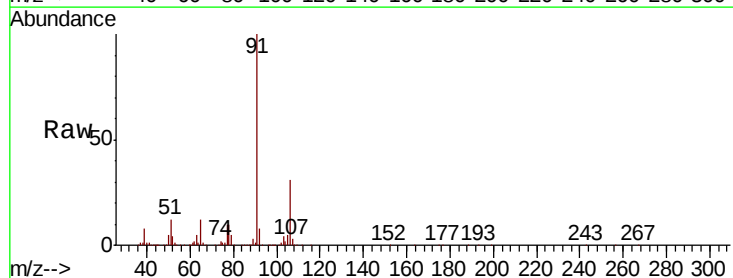
Instrument :
MSVOA_L
ClientSampleId :

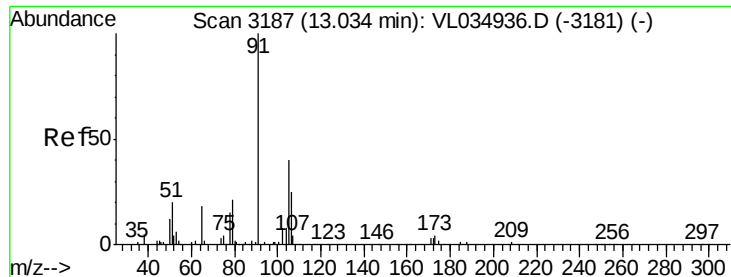
Tot Ion:112 Resp: 1739189
Ion Ratio Lower Upper
112 100
77 69.0 57.0 85.6
114 34.0 30.8 37.6



#58
Ethyl Benzene
Concen: 8.216 ppbv
RT: 12.75 min Scan# 3099
Delta R.T. 0.01 min
Lab File: VL034961.D
Acq: 7 May 2020 8:42

Tgt Ion: 91 Resp: 3097537
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4





#59

m/p-Xylene

Concen: 8.006 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

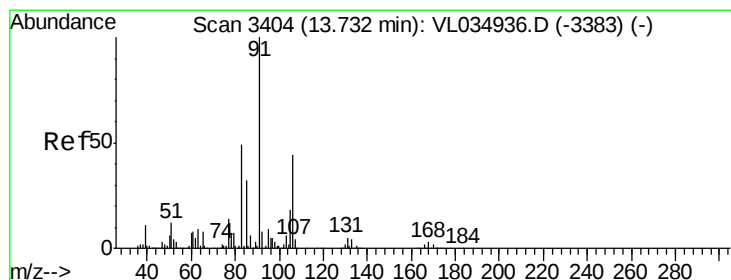
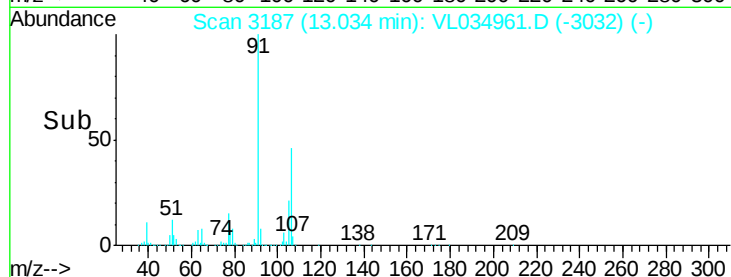
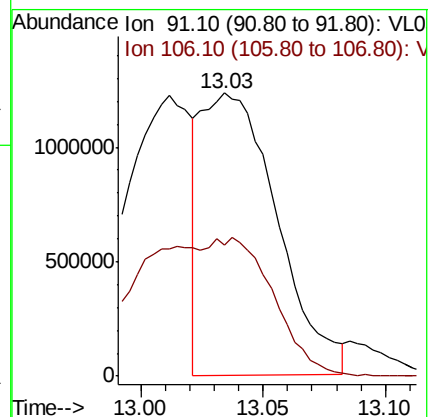
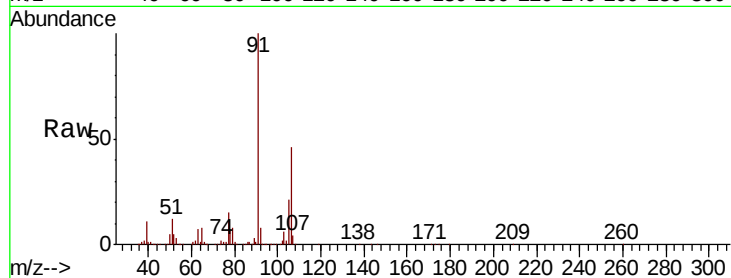
ClientSampleId :

Tot Ion: 91 Resp: 2655763

Ion Ratio Lower Upper

91 100

106 87.7 66.0 99.0



#60

o-Xylene

Concen: 7.504 ppbv

RT: 13.73 min Scan# 3405

Delta R.T. 0.00 min

Lab File: VL034961.D

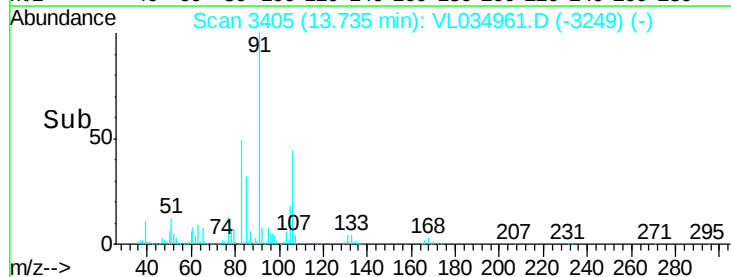
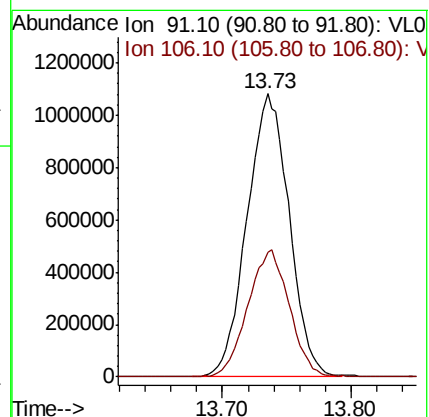
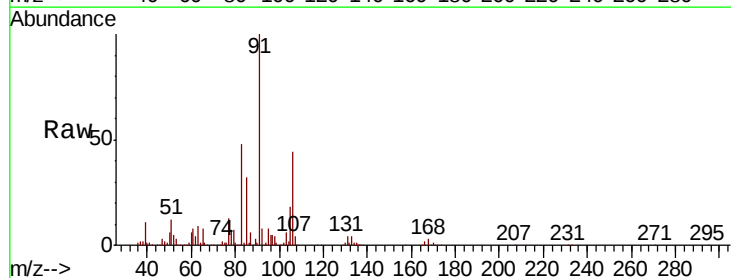
Acq: 7 May 2020 8:42

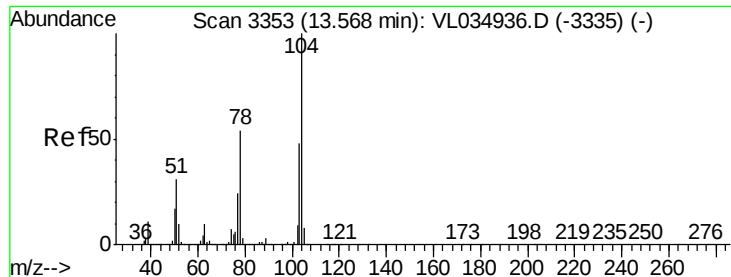
Tgt Ion: 91 Resp: 2456172

Ion Ratio Lower Upper

91 100

106 44.5 21.9 65.5





#61

Stvrene

Concen: 8.780 ppbv

RT: 13.57 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

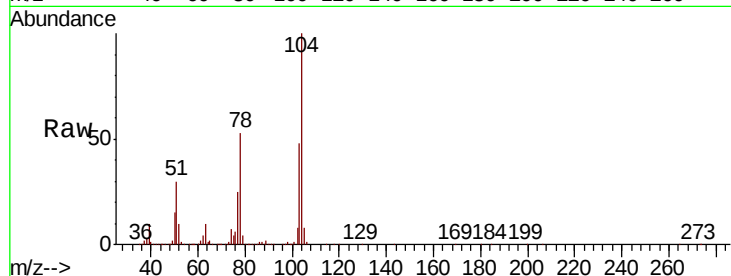
Tot Ion:104 Resp: 1818756

Ion Ratio Lower Upper

104 100

78 52.6 43.7 65.5

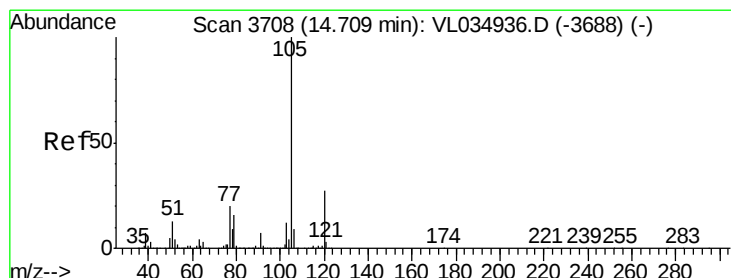
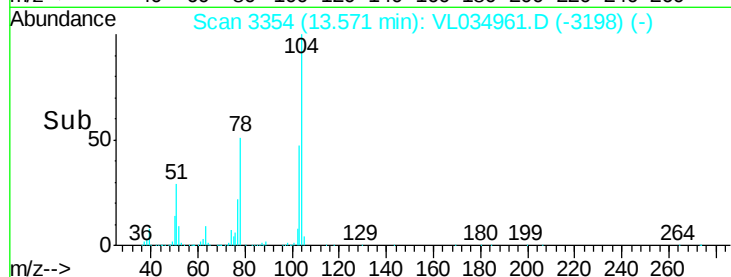
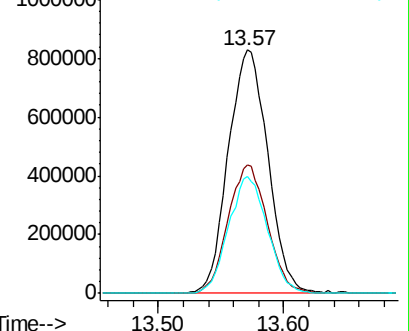
103 47.5 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.483 ppbv

RT: 14.71 min Scan# 3709

Delta R.T. 0.00 min

Lab File: VL034961.D

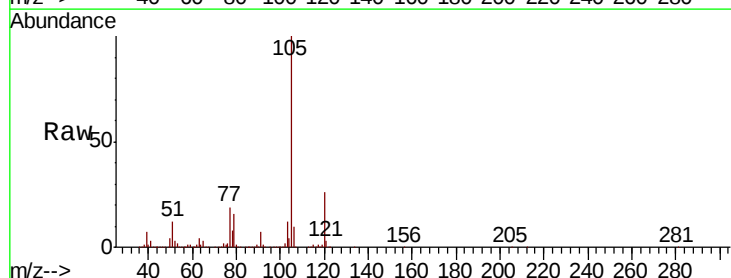
Acq: 7 May 2020 8:42

Tgt Ion:105 Resp: 3656782

Ion Ratio Lower Upper

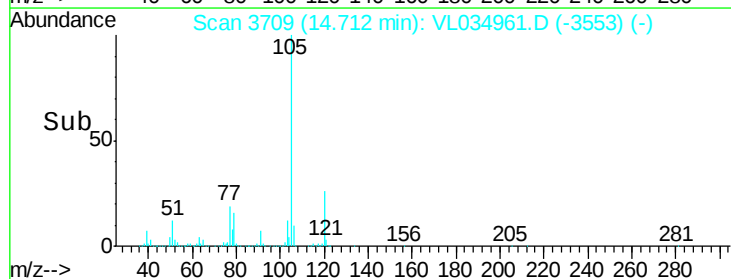
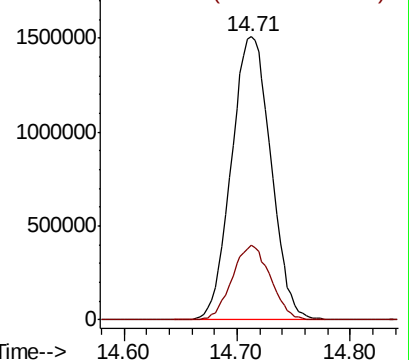
105 100

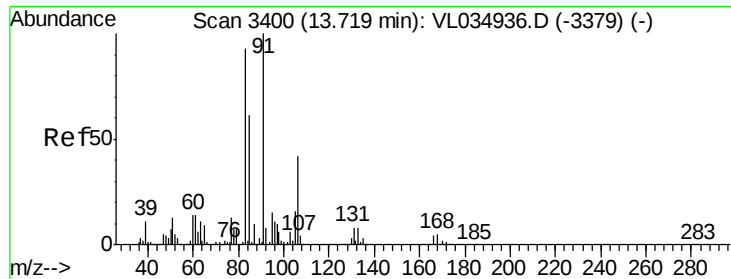
120 25.6 20.6 31.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

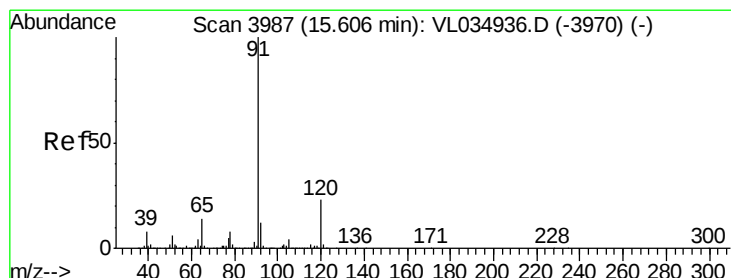
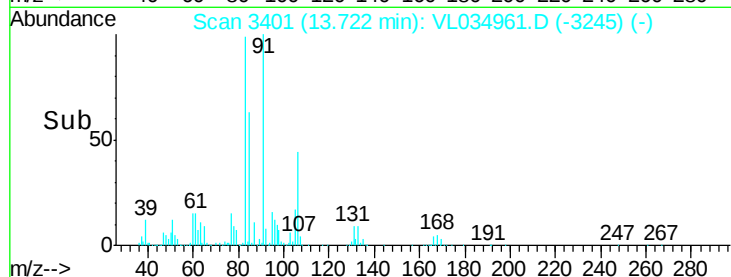
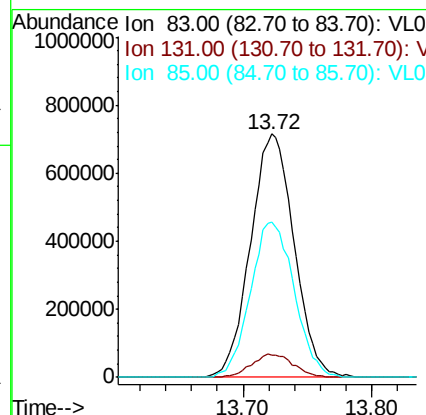
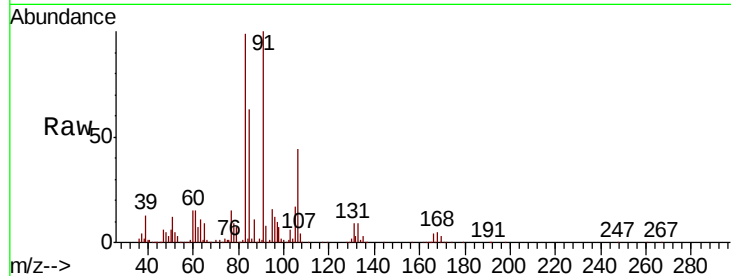




#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.521 ppbv
 RT: 13.72 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

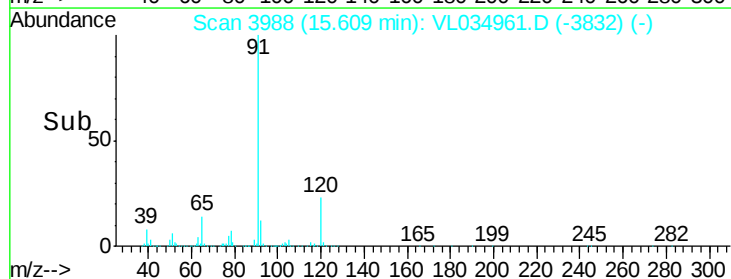
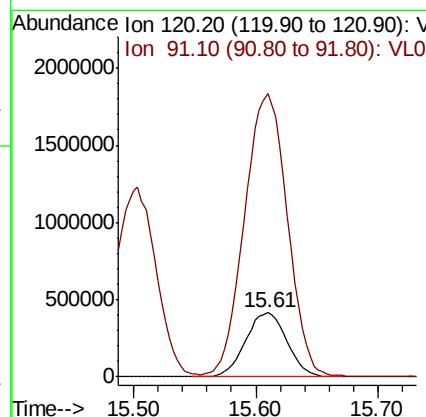
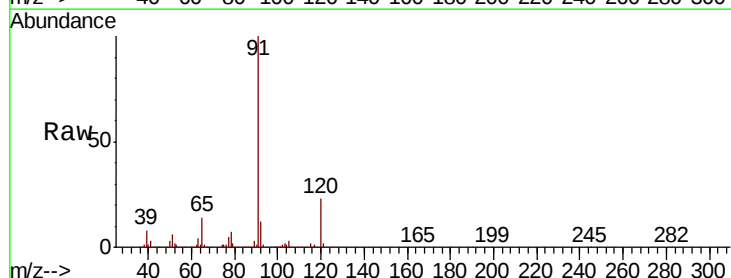
Instrument :
 MSVOA_L
 ClientSampleId :

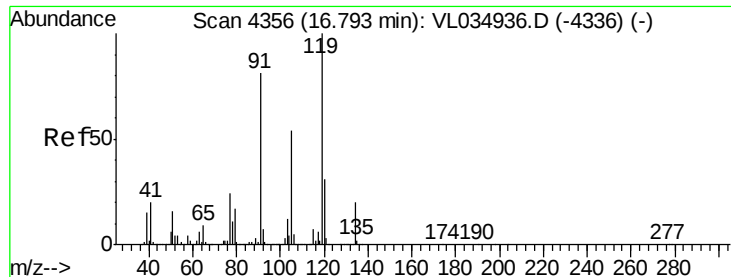
Tot Ion: 83 Resp: 1680158
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 64.4 32.5 97.4



#64
 n-propylbenzene
 Concen: 7.776 ppbv
 RT: 15.61 min Scan# 3988
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion:120 Resp: 974768
 Ion Ratio Lower Upper
 120 100
 91 459.3 373.5 560.3





#65

tert-Butylbenzene

Concen: 7.461 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

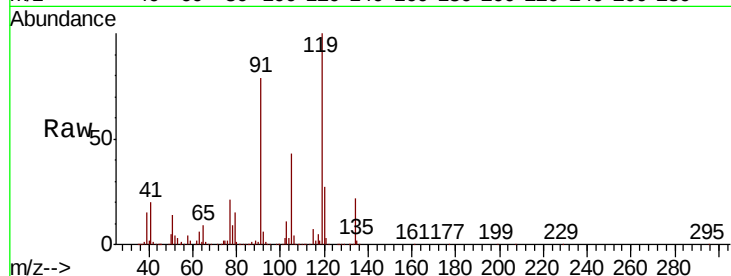
Tot Ion:119 Resp: 3162237

Ion	Ratio	Lower	Upper
119	100		
91	81.8	67.5	101.3
134	20.0	16.1	24.1

119 100

91 81.8 67.5 101.3

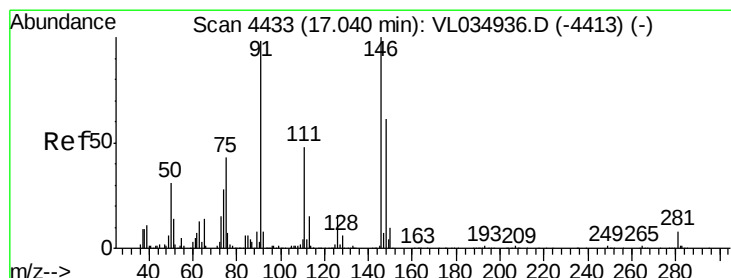
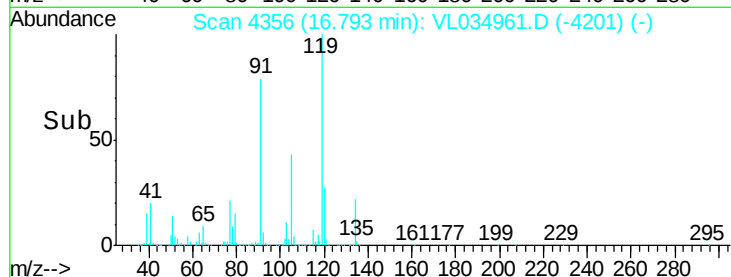
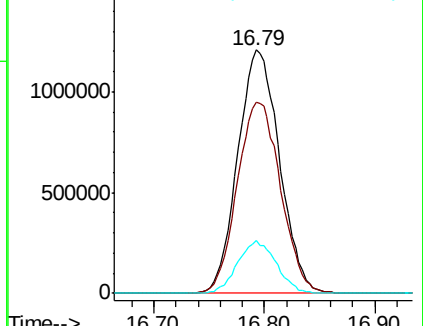
134 20.0 16.1 24.1



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: 7.960 ppbv

RT: 17.04 min Scan# 4433

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

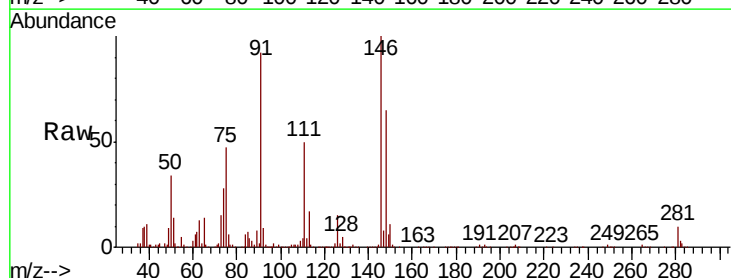
Tgt Ion: 91 Resp: 1145342

Ion	Ratio	Lower	Upper
91	100		
126	16.6	13.8	20.6
128	5.3	4.3	6.5

91 100

126 16.6 13.8 20.6

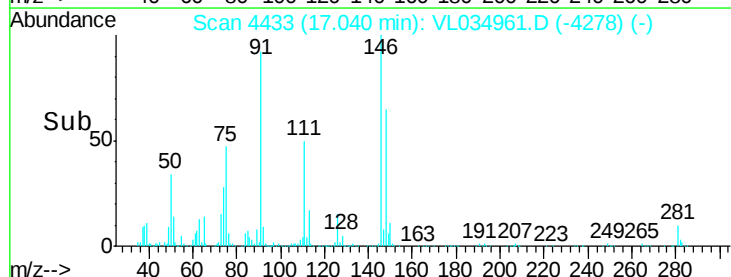
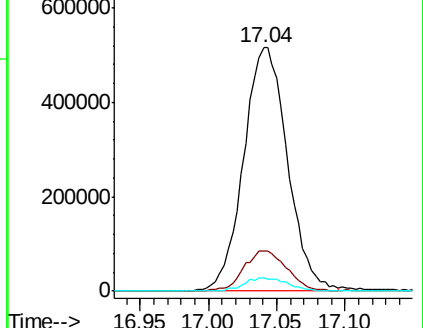
128 5.3 4.3 6.5

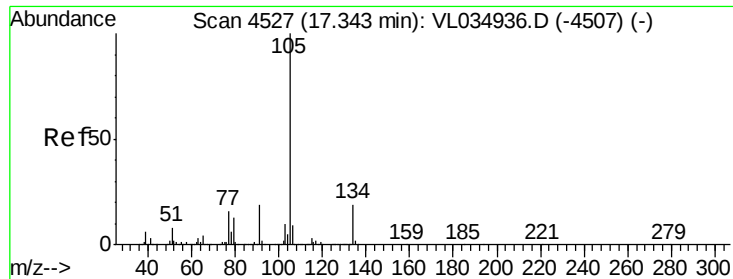


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

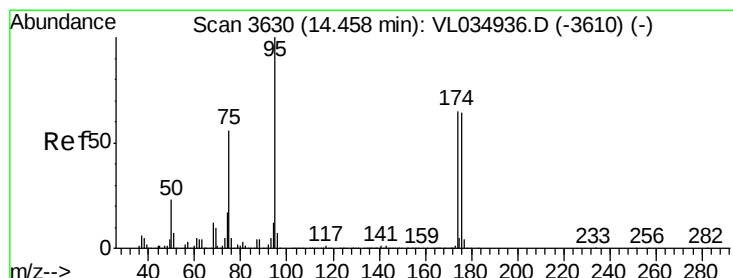
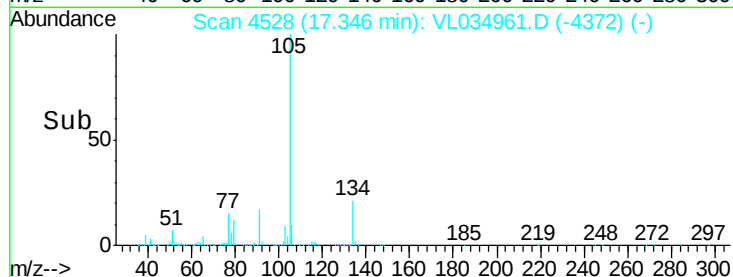
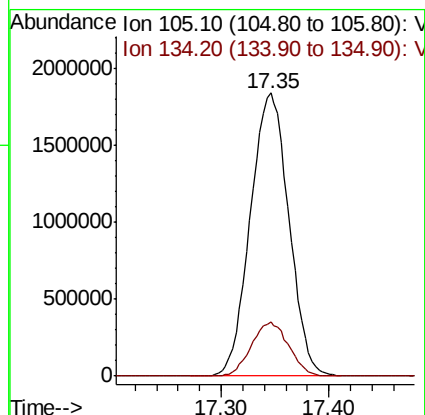
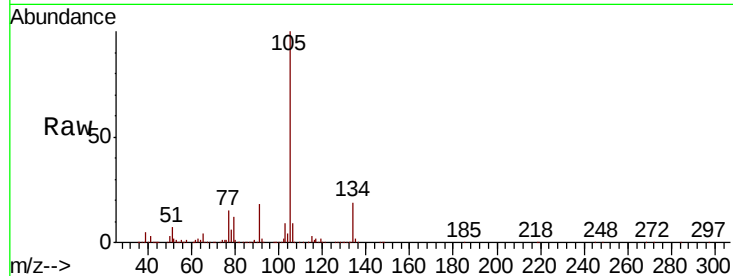




#67
 sec-Butylbenzene
 Concen: 7.548 ppbv
 RT: 17.35 min Scan# 4528
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

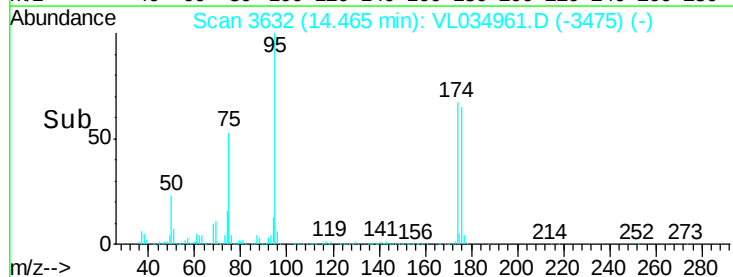
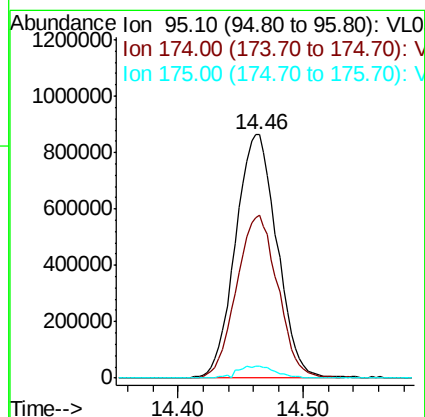
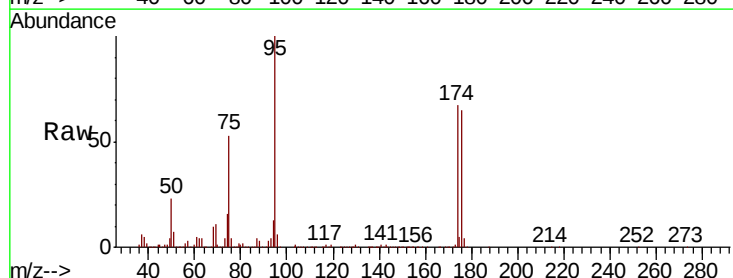
Instrument :
 MSVOA_L
 ClientSampleId :

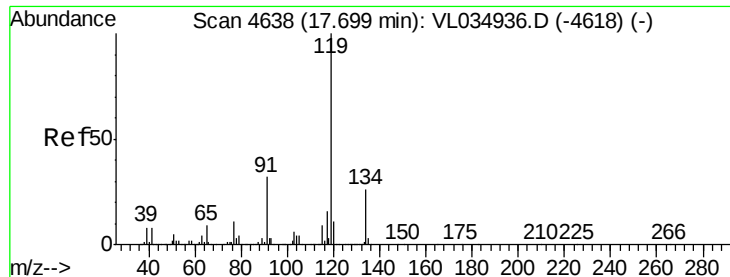
Tot Ion:105 Resp: 4566884
 Ion Ratio Lower Upper
 105 100
 134 18.5 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.053 ppbv
 RT: 14.46 min Scan# 3632
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion: 95 Resp: 1987334
 Ion Ratio Lower Upper
 95 100
 174 66.7 51.5 77.3
 175 4.8 3.8 5.8





#69

p-Isopropyltoluene

Concen: 7.834 ppbv

RT: 17.70 min Scan# 4639

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

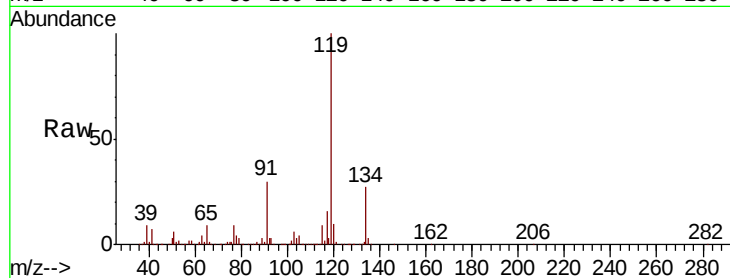
Tot Ion:119 Resp: 3834576

Ion Ratio Lower Upper

119 100

134 25.5 20.3 30.5

91 29.5 24.6 36.8

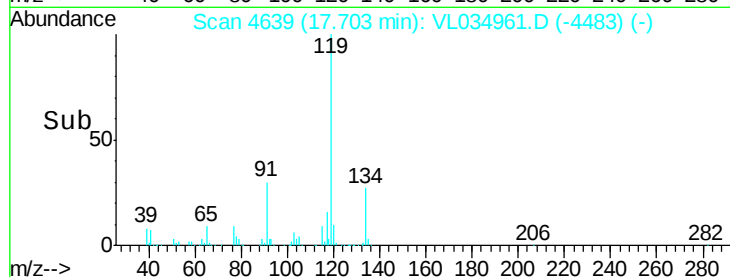


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

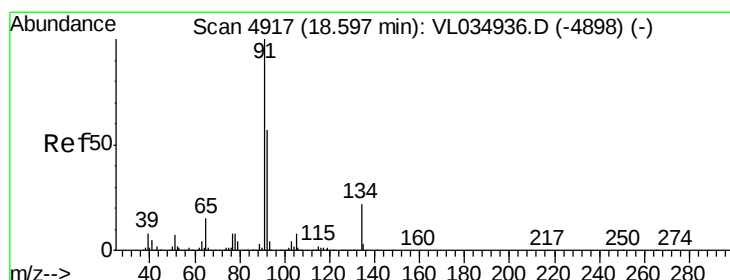
Ion 91.10 (90.80 to 91.80): V

Time-->



17.70

Time-->



#70

n-Butylbenzene

Concen: 7.761 ppbv

RT: 18.60 min Scan# 4919

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

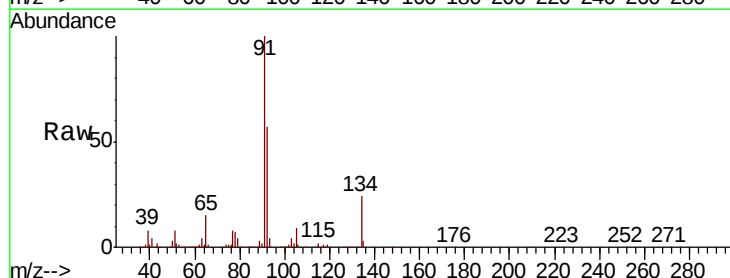
Tgt Ion: 91 Resp: 4043343

Ion Ratio Lower Upper

91 100

92 55.4 44.4 66.6

134 22.9 18.0 27.0

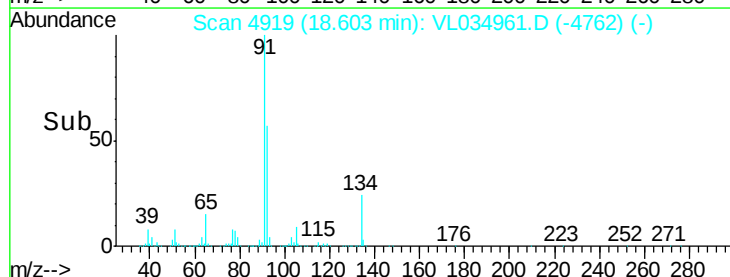


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

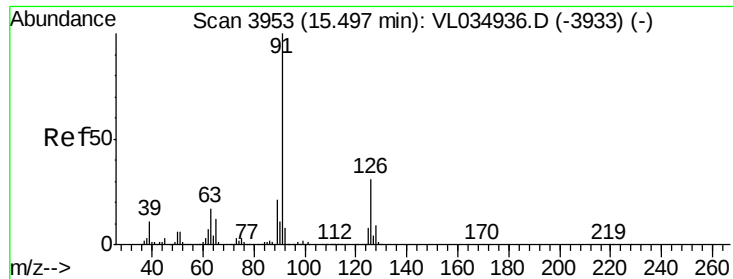
Ion 134.20 (133.90 to 134.90): V

Time-->



18.60

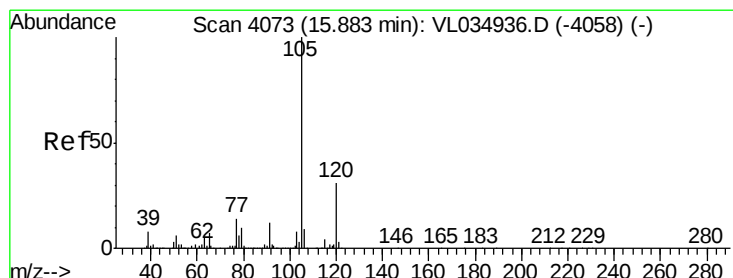
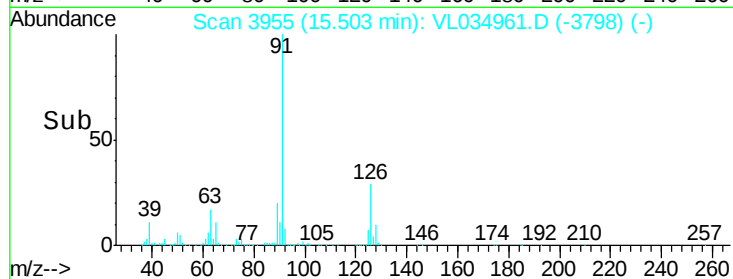
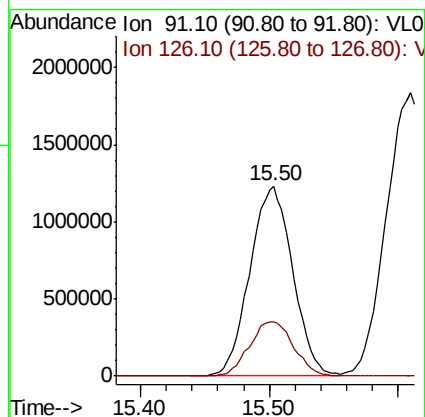
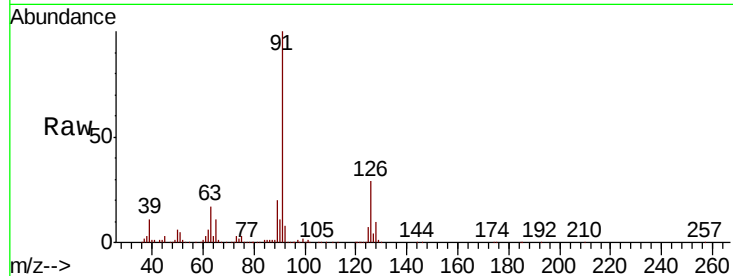
Time-->



#71
 2-Chlorotoluene
 Concen: 7.731 ppbv
 RT: 15.50 min Scan# 3955
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

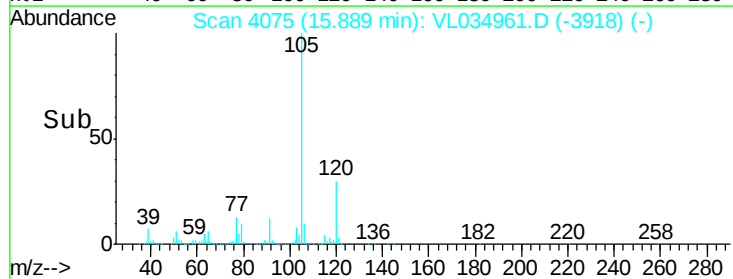
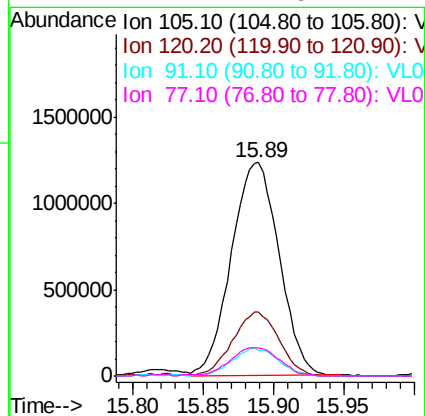
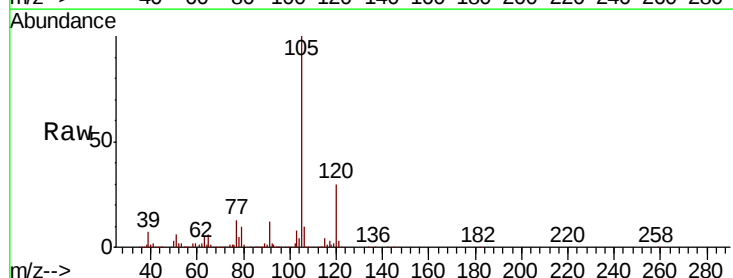
Instrument :
 MSVOA_L
 ClientSampled :

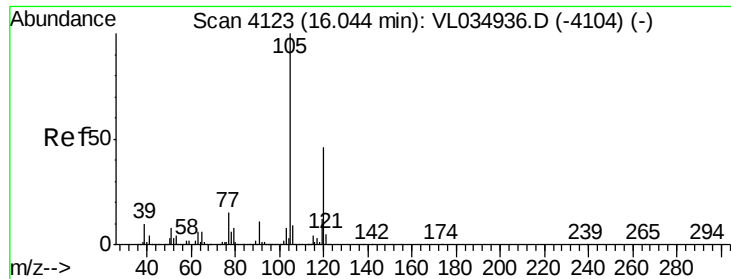
Tot Ion: 91 Resp: 2851791
 Ion Ratio Lower Upper
 91 100
 126 29.6 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 8.009 ppbv
 RT: 15.89 min Scan# 4075
 Delta R.T. 0.01 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion:105 Resp: 2924822
 Ion Ratio Lower Upper
 105 100
 120 30.0 23.8 35.8
 91 13.2 10.6 15.8
 77 14.2 11.6 17.4

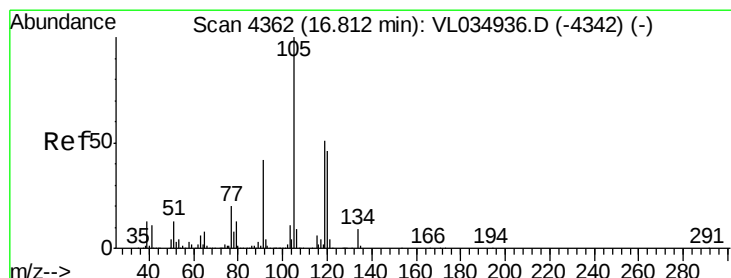
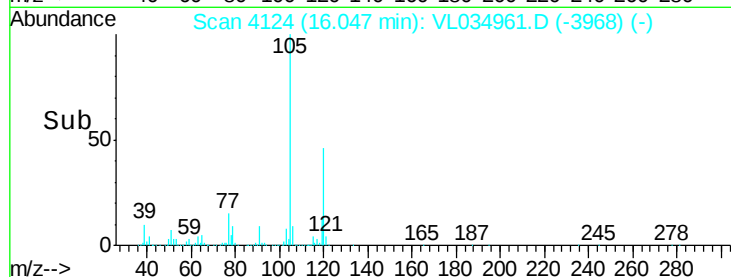
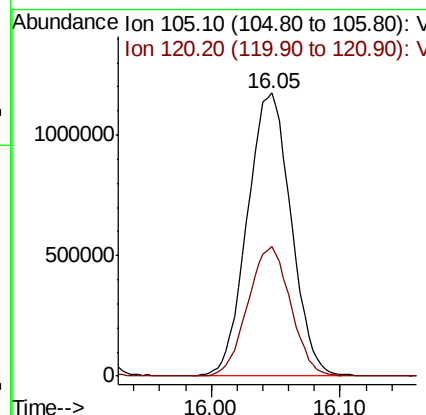
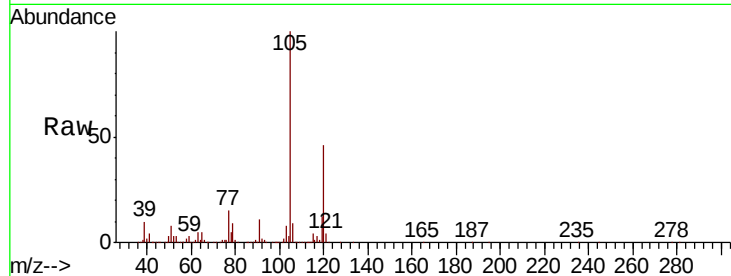




#73
 1,3,5-Trimethylbenzene
 Concen: 7.777 ppbv
 RT: 16.05 min Scan# 4124
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

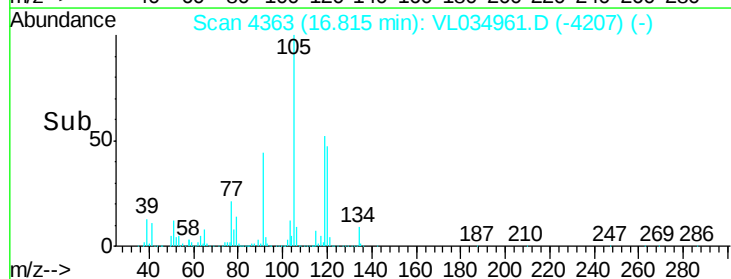
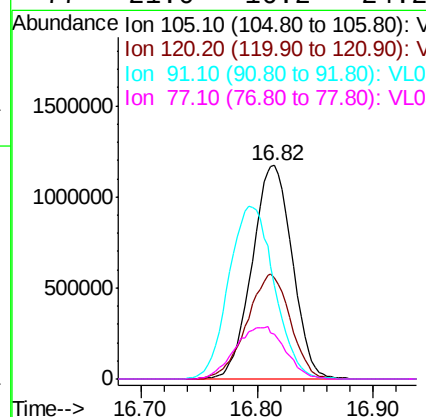
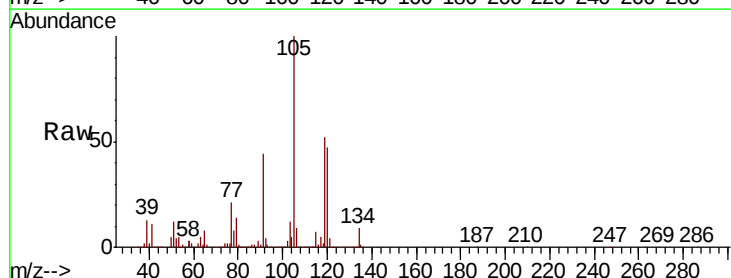
Instrument :
 MSVOA_L
 ClientSampleId :

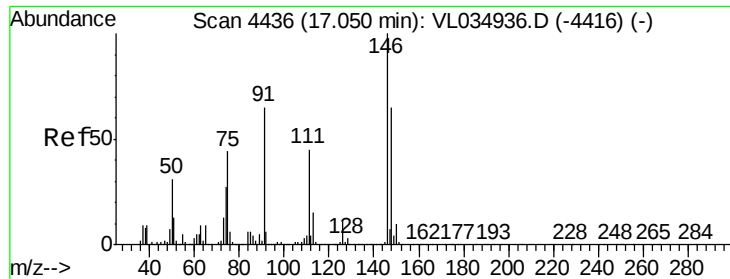
Tot Ion:105 Resp: 2763591
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.4 54.6



#74
 1,2,4-Trimethylbenzene
 Concen: 7.278 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.00 min
 Lab File: VL034961.D
 Acq: 7 May 2020 8:42

Tgt Ion:105 Resp: 2823413
 Ion Ratio Lower Upper
 105 100
 120 47.3 36.8 55.2
 91 43.4 35.4 53.0
 77 21.0 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 7.251 ppbv

RT: 17.05 min Scan# 4436

Delta R.T. -0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampled :

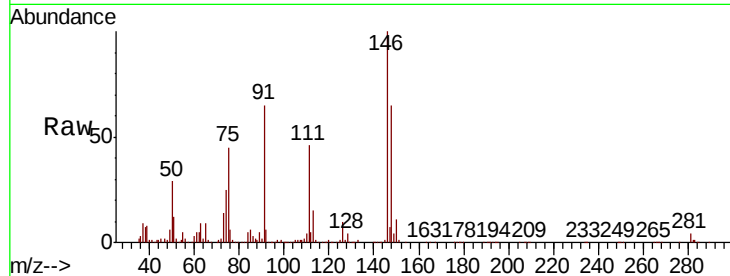
Tot Ion:146 Resp: 1651666

Ion Ratio Lower Upper

146 100

111 48.2 24.0 72.0

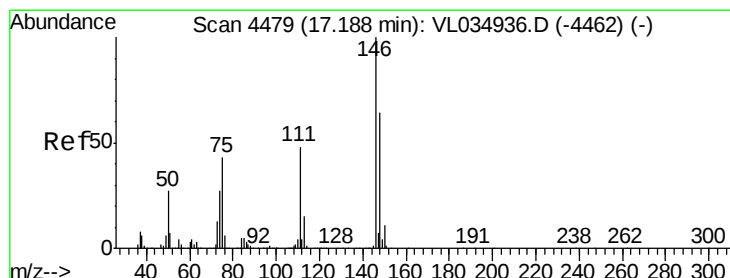
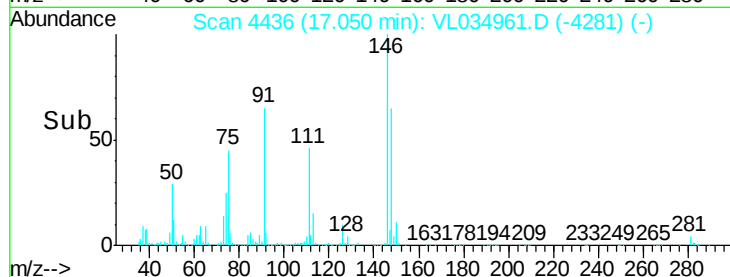
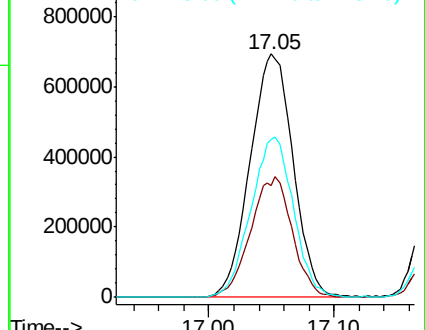
148 65.3 32.6 97.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 7.789 ppbv

RT: 17.19 min Scan# 4480

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

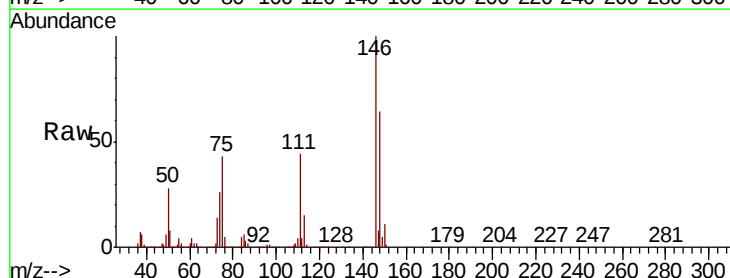
Tgt Ion:146 Resp: 1685813

Ion Ratio Lower Upper

146 100

111 45.9 23.7 71.1

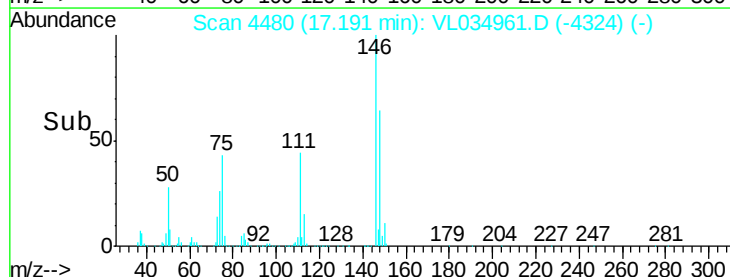
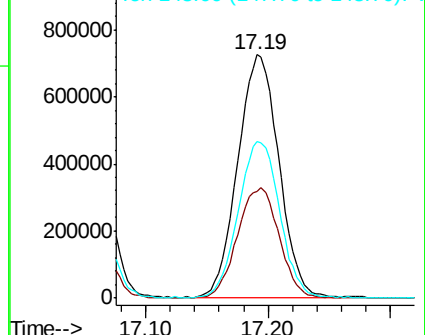
148 65.3 32.6 97.8

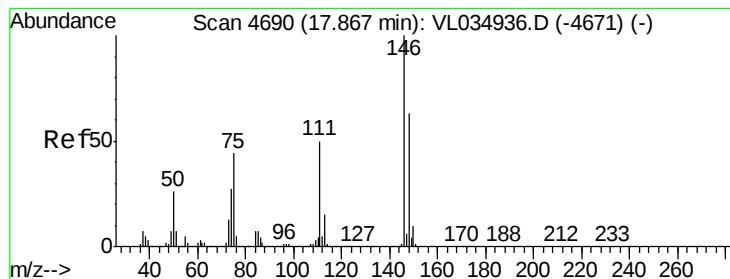


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.719 ppbv

RT: 17.87 min Scan# 4691

Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

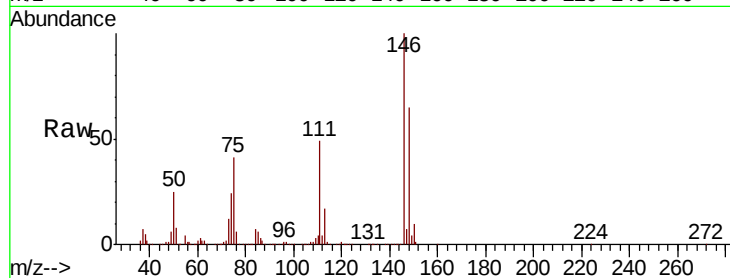
Instrument :

MSVOA_L

ClientSampled :

Tot Ion:146 Resp: 1656697

Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.5	73.5
148	64.5	31.7	95.1

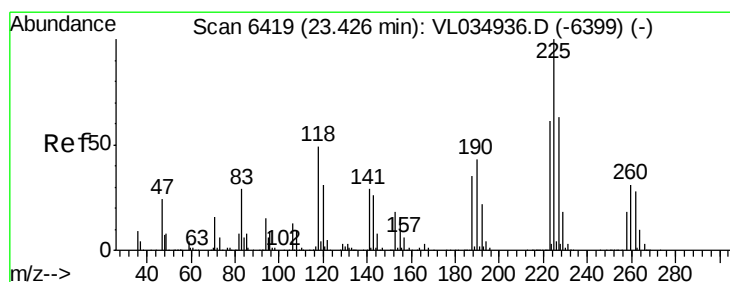
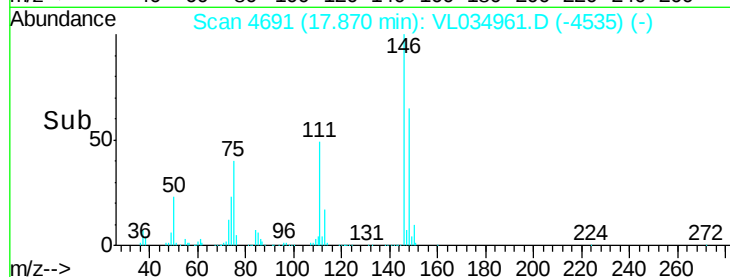
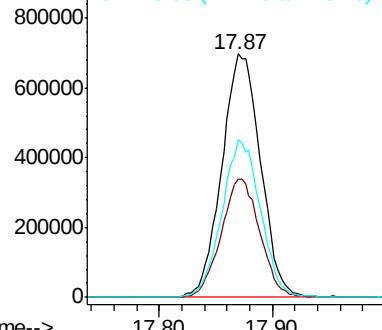


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.229 ppbv

RT: 23.43 min Scan# 6421

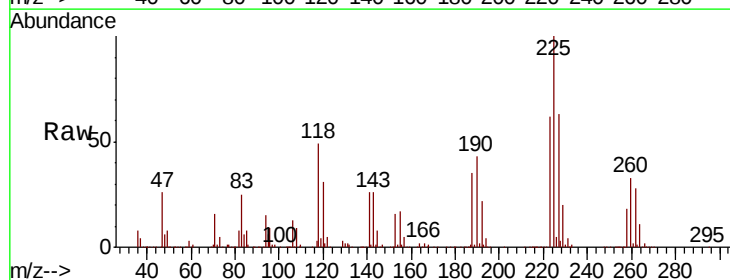
Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion:225 Resp: 1505509

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.8
227	64.9	51.8	77.6

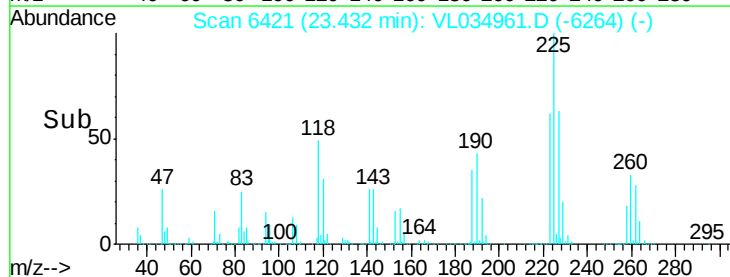
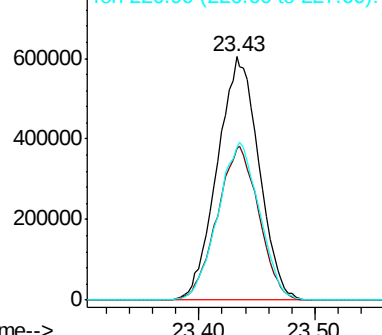


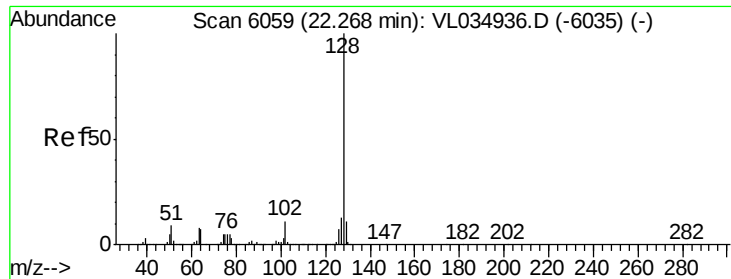
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 11.316 ppbv

RT: 22.27 min Scan# 6061

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

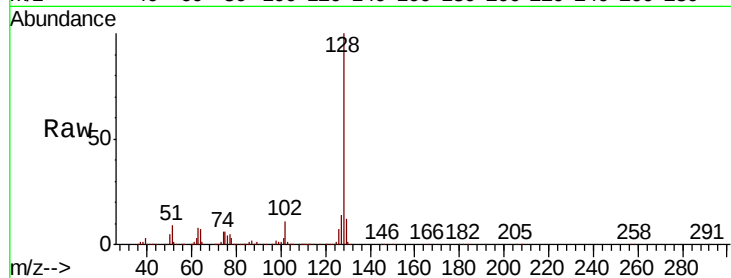
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:128 Resp: 3418397

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	11.6	9.0	13.4

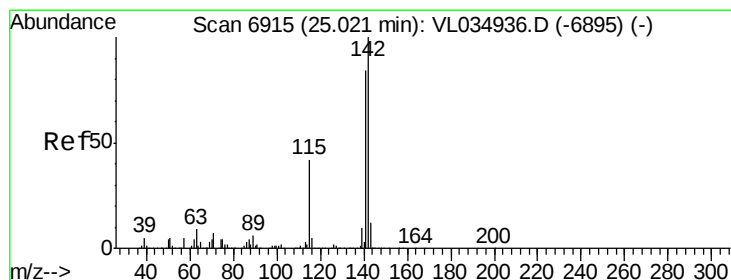
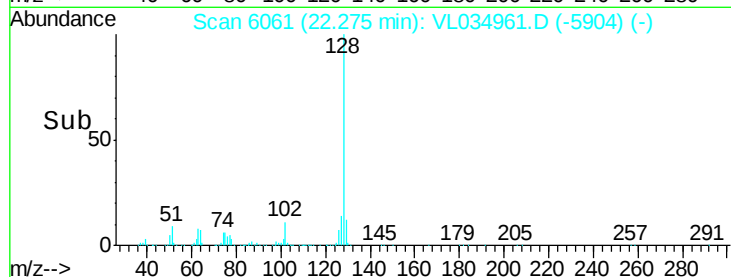
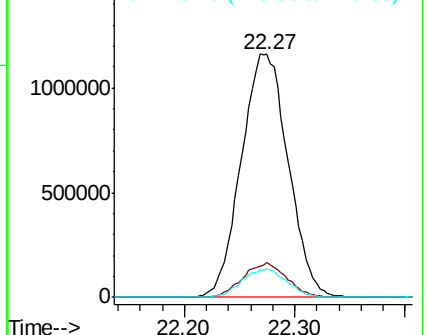


Abundance

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: 13.839 ppbv

RT: 25.02 min Scan# 6916

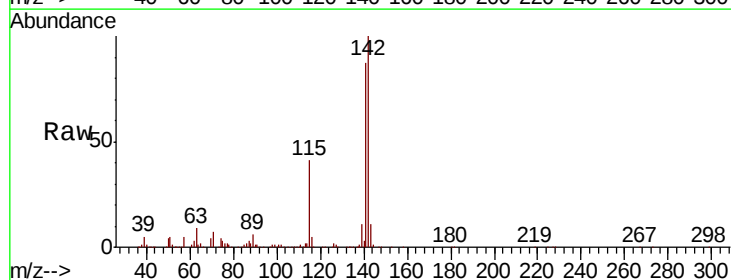
Delta R.T. 0.00 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Tgt Ion:142 Resp: 1027630

Ion	Ratio	Lower	Upper
142	100		
141	86.2	68.6	102.8
115	40.8	33.9	50.9

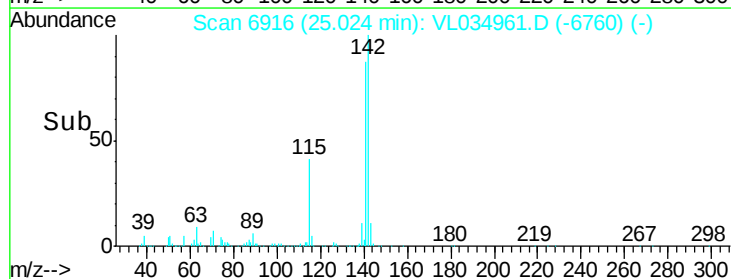
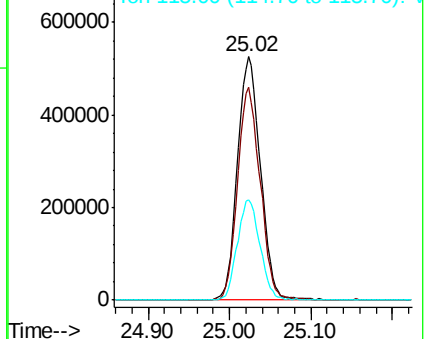


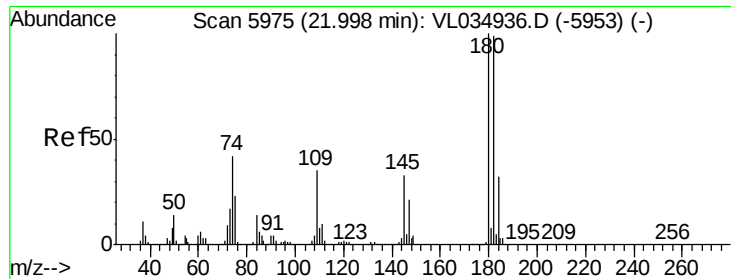
Abundance

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: 9.671 ppbv

RT: 22.00 min Scan# 5977

Delta R.T. 0.01 min

Lab File: VL034961.D

Acq: 7 May 2020 8:42

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:180 Resp: 1771421

Ion Ratio Lower Upper

180 100

182 95.8 77.5 116.3

184 30.8 24.8 37.2

