

Data File : VL034776.D
Acq On : 4 Mar 2020 1:23
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 04 05:57:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 04 05:54:58 2020
QLast Update : Wed Mar 04 05:54:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1135004	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	2383831	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	2990599	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	2020954	8.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.02	85	1379374	7.706	ppbv	100
3) Chlorodifluoromethane	2.96	51	1154287	9.390	ppbv	100
4) Chloromethane	3.11	50	635537	9.320	ppbv	100
5) Vinyl Chloride	3.23	62	620908	9.261	ppbv	100
6) Bromomethane	3.46	94	366275	9.340	ppbv	100
7) Chloroethane	3.54	64	231691	9.345	ppbv	100
8) Dichlorotetrafluoroethane	3.17	85	1411188	8.925	ppbv	100
9) Propene	2.98	41	490245	9.595	ppbv	100
10) Heptane	8.16	43	1323612	10.047	ppbv	100
11) Trichlorofluoromethane	3.94	101	1436790	9.159	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	982399	8.917	ppbv	100
13) Ethanol	3.59	45	143792	8.932	ppbv	100
14) Bromoethene	3.73	108	445905	9.650	ppbv	100
15) Acetone	3.84	43	1128181	8.711	ppbv	100
16) 1,3-Butadiene	3.31	39	592686	9.861	ppbv	100
17) tert-Butyl alcohol	4.29	59	1118179	11.261	ppbv	100
18) 1,1-Dichloroethene	4.29	96	455332	9.203	ppbv	100
19) Isopropyl Alcohol	3.96	45	862800	11.168	ppbv	99
20) Methylene Chloride	4.34	84	400058	8.339	ppbv	100
21) Allyl Chloride	4.41	41	800476	9.436	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	438238	9.169	ppbv	100
23) Vinyl Acetate	5.08	43	1836752	10.433	ppbv	100
24) 1,1-Dichloroethane	5.02	63	1292563	9.225	ppbv	100
25) Ethyl Acetate	5.69	43	2222607	9.691	ppbv	100
26) Hexane	5.70	57	998749	9.475	ppbv	100
27) Carbon Disulfide	4.55	76	1159848	9.797	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1485671	9.882	ppbv	100
29) Chloroform	5.77	83	1556507	9.261	ppbv	100
30) Cyclohexane	7.16	84	822959	10.063	ppbv	100
31) cis-1,2-Dichloroethene	5.56	61	1049884	10.114	ppbv	100
32) 1,1,1-Trichloroethane	6.54	97	1521172	9.653	ppbv	100
34) 2-Butanone	5.25	43	1485934	9.868	ppbv	100
35) Carbon Tetrachloride	7.05	117	1550802	9.705	ppbv	100
36) Benzene	6.92	78	1965995	9.571	ppbv	100
37) 1,2-Dichloroethane	6.33	62	1279365	9.788	ppbv	100
38) Trichloroethene	7.87	130	738833	9.315	ppbv	100
39) 1,2-Dichloropropane	7.65	63	784040	9.617	ppbv	100
40) 1,4-Dioxane	7.87	88	290797	10.487	ppbv	# 99
41) Tetrahydrofuran	6.07	42	809501	10.260	ppbv	100
42) Bromodichloromethane	7.83	83	1724314	10.085	ppbv	100
43) Methyl Methacrylate	8.05	69	906988	10.502	ppbv	100

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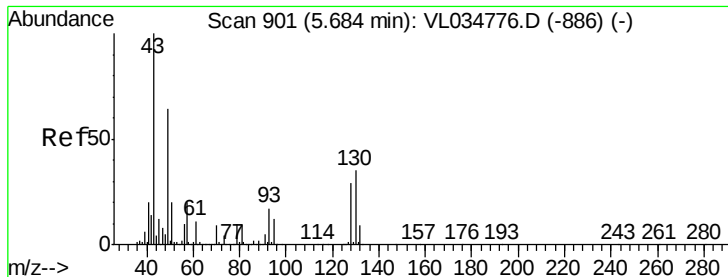
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3433486	9.559	ppbv	100
45) t-1,3-Dichloropropene	9.32	75	1055917	11.264	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1227357	10.891	ppbv	100
47) 1,1,2-Trichloroethane	9.52	97	817621	9.721	ppbv	100
48) Dibromochloromethane	10.36	129	1385620	10.549	ppbv	100
49) Bromoform	13.10	173	1234869	10.799	ppbv	100
50) 4-Methyl-2-Pentanone	8.78	43	2220759	10.398	ppbv	100
51) 2-Hexanone	10.18	43	1842584	10.952	ppbv	100
52) Tetrachloroethene	11.28	164	694147	9.172	ppbv	100
53) Toluene	9.85	91	2259807	10.330	ppbv	100
54) 1,2-Dibromoethane	10.66	107	1255632	9.995	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.18	131	1032096	8.025	ppbv	100
57) Chlorobenzene	12.21	112	1701841	7.688	ppbv	100
58) Ethyl Benzene	12.77	91	3102641	8.533	ppbv	100
59) m/p-Xylene	13.05	91	2368995	7.507	ppbv #	22
60) o-Xylene	13.76	91	2530647	8.046	ppbv	100
61) Styrene	13.59	104	1812232	9.001	ppbv	100
62) Isopropylbenzene	14.73	105	3687905	8.037	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1822699	7.437	ppbv	100
64) n-propylbenzene	15.63	120	974289	8.243	ppbv	100
65) tert-Butylbenzene	16.82	119	3224836	8.121	ppbv	100
66) Benzyl Chloride	17.06	91	1297856	9.013	ppbv	100
67) sec-Butylbenzene	17.36	105	4637776	8.101	ppbv	100
69) p-Isopropyltoluene	17.72	119	3847263	8.163	ppbv	100
70) n-Butylbenzene	18.62	91	4190053	8.154	ppbv	100
71) 2-Chlorotoluene	15.52	91	2953433	8.289	ppbv	100
72) 4-Ethyltoluene	15.91	105	2987363	8.515	ppbv	100
73) 1,3,5-Trimethylbenzene	16.07	105	2843906	8.412	ppbv	100
74) 1,2,4-Trimethylbenzene	16.83	105	2936150	7.857	ppbv	100
75) 1,3-Dichlorobenzene	17.07	146	1685971	7.818	ppbv	100
76) 1,4-Dichlorobenzene	17.21	146	1695548	7.878	ppbv	100
77) 1,2-Dichlorobenzene	17.89	146	1640347	7.874	ppbv	100
78) Hexachloro-1,3-Butadiene	23.45	225	1268903	7.070	ppbv	100
79) Naphthalene	22.30	128	2839387	8.621	ppbv	100
80) Naphthalene,2-methyl-	25.04	142	776591	7.645	ppbv	100
81) 1,2,4-Trichlorobenzene	22.02	180	1631371	8.279	ppbv	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

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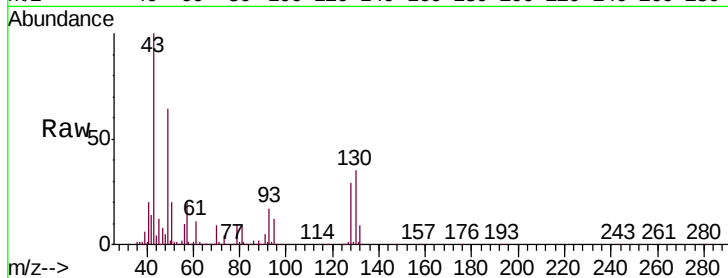
Tgt Ion: 49 Resp: 1135004

Ion Ratio Lower Upper

49 100

128 43.1 21.6 64.6

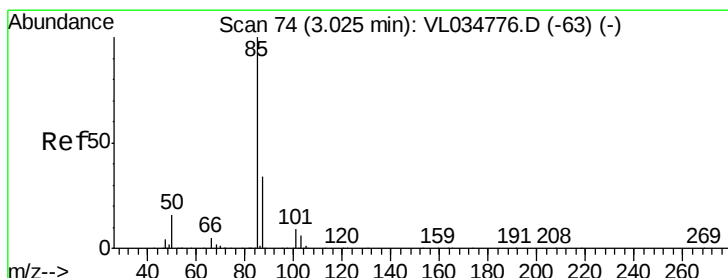
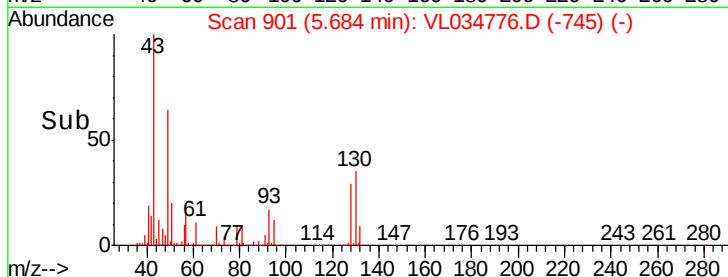
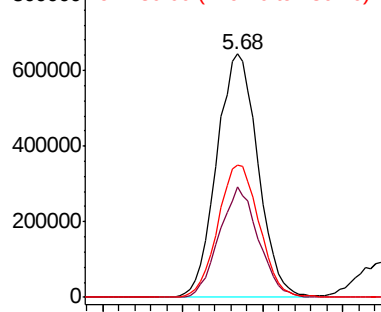
130 54.8 27.4 82.2



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 7.706 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL034776.D

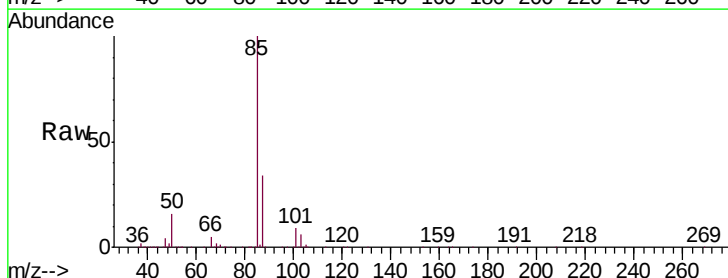
Acq: 4 Mar 2020 1:23

Tgt Ion: 85 Resp: 1379374

Ion Ratio Lower Upper

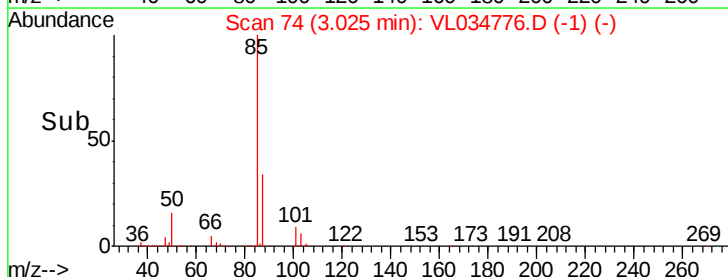
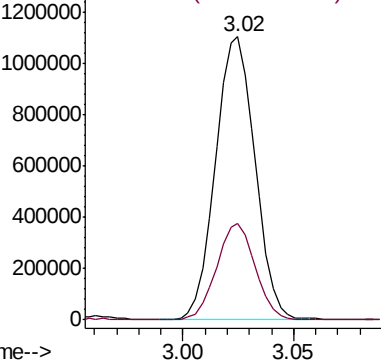
85 100

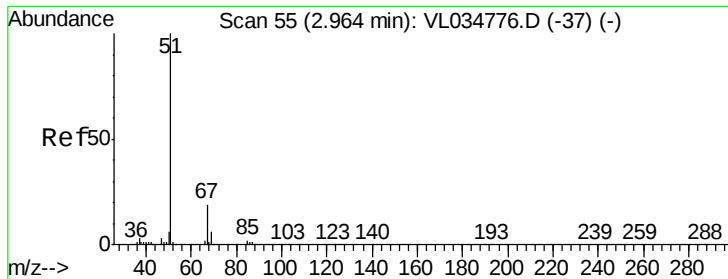
87 34.0 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.390 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

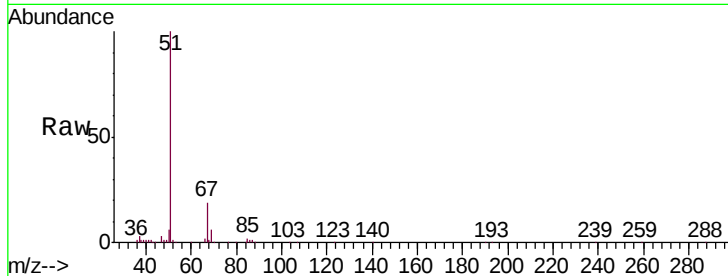
VSTDICCC010

Tgt Ion: 51 Resp: 1154287

Ion Ratio Lower Upper

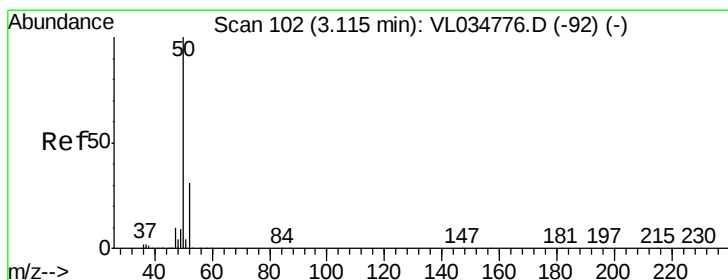
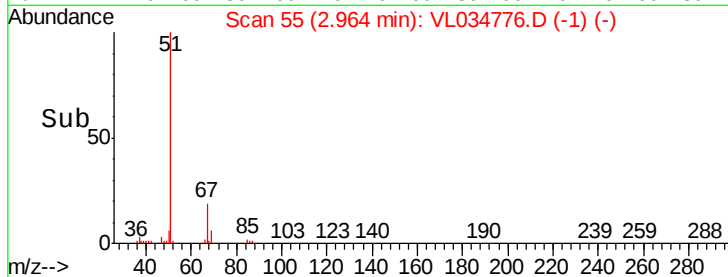
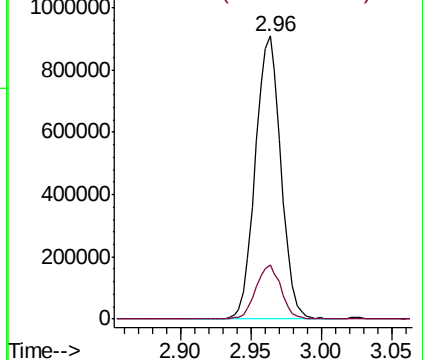
51 100

67 19.1 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.320 ppbv

RT: 3.11 min Scan# 102

Delta R.T. 0.00 min

Lab File: VL034776.D

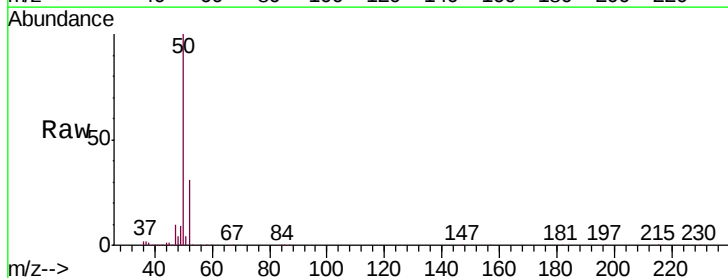
Acq: 4 Mar 2020 1:23

Tgt Ion: 50 Resp: 635537

Ion Ratio Lower Upper

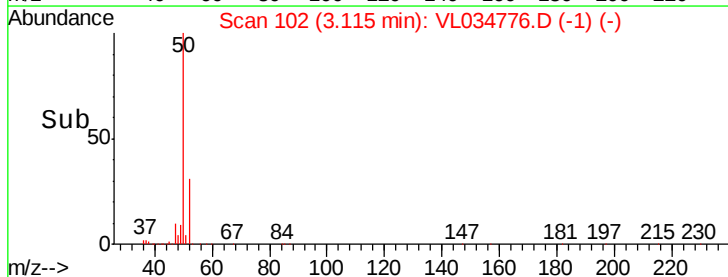
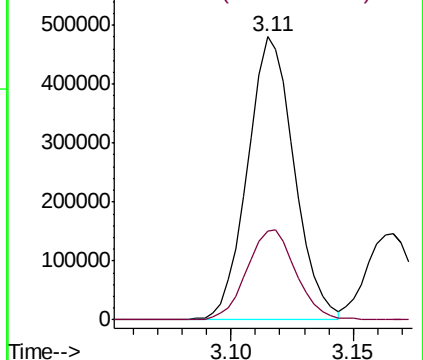
50 100

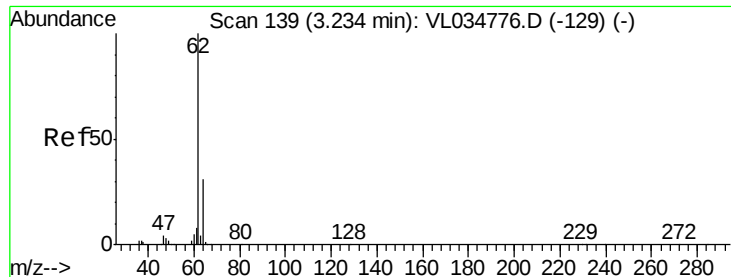
52 31.2 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.261 ppbv

RT: 3.23 min Scan# 139

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

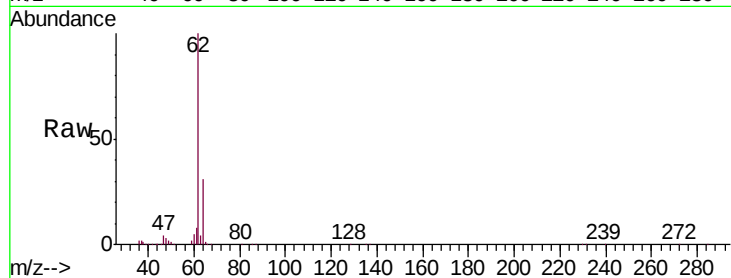
VSTDICCC010

Tgt Ion: 62 Resp: 620908

Ion Ratio Lower Upper

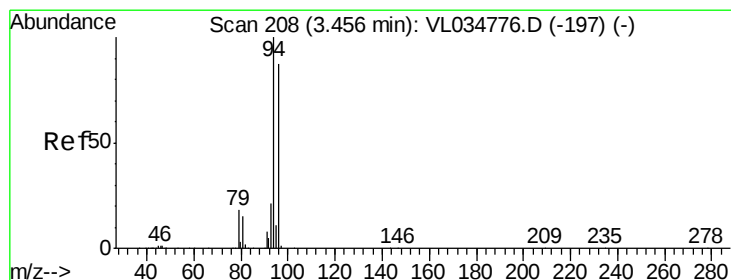
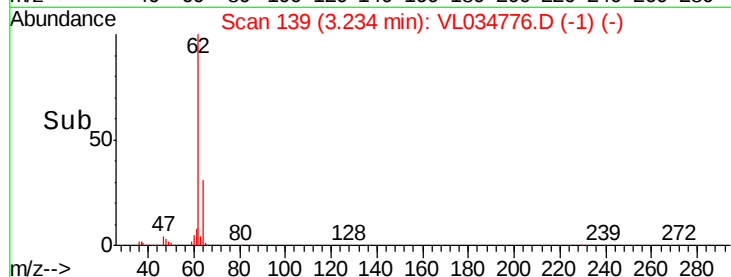
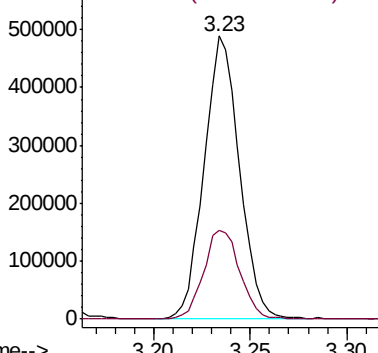
62 100

64 31.4 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.340 ppbv

RT: 3.46 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL034776.D

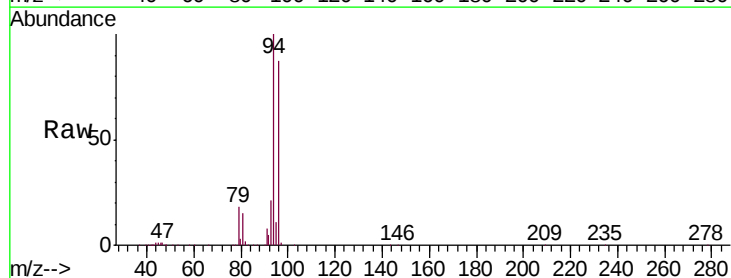
Acq: 4 Mar 2020 1:23

Tgt Ion: 94 Resp: 366275

Ion Ratio Lower Upper

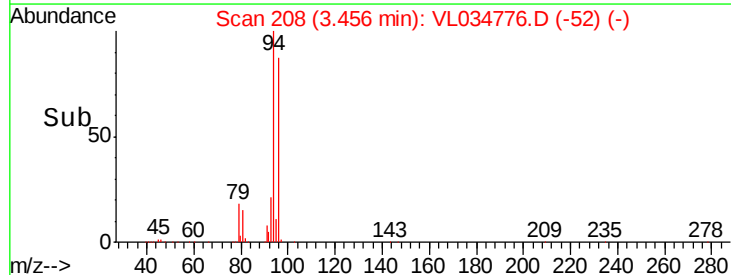
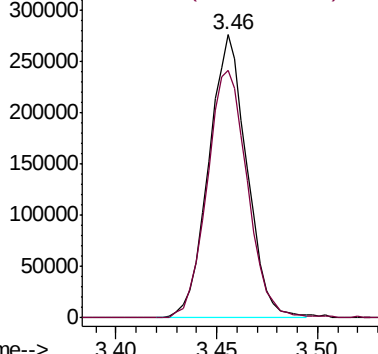
94 100

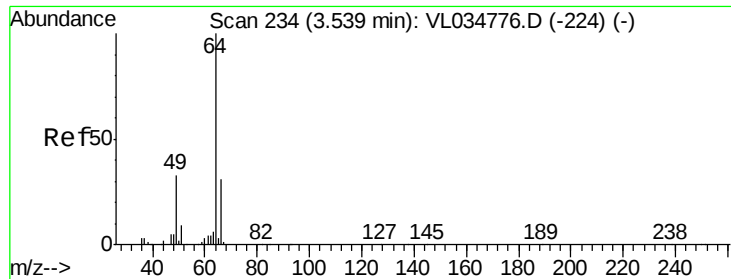
96 87.5 70.0 105.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.345 ppbv

RT: 3.54 min Scan# 234

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

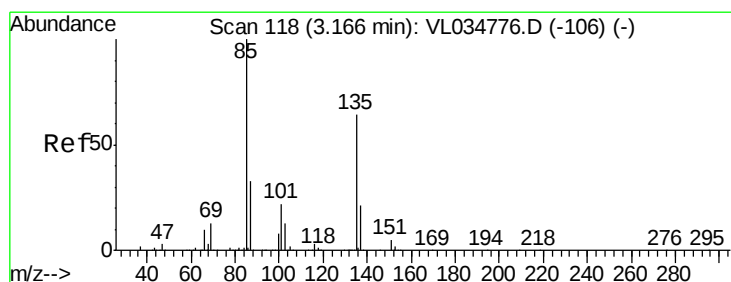
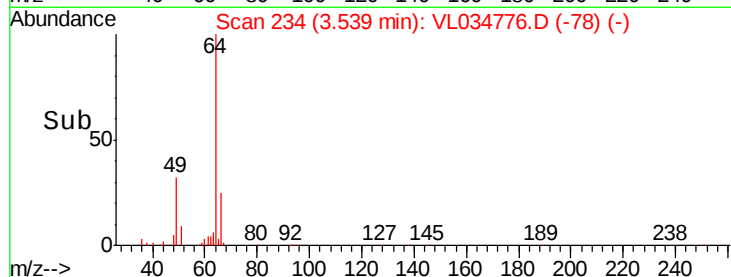
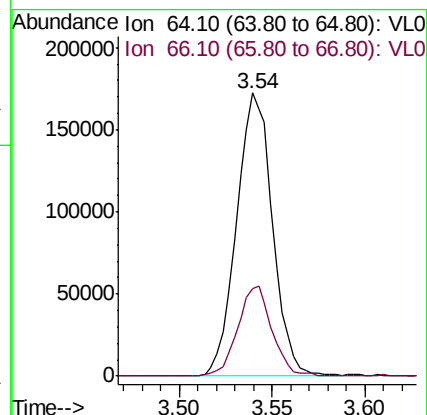
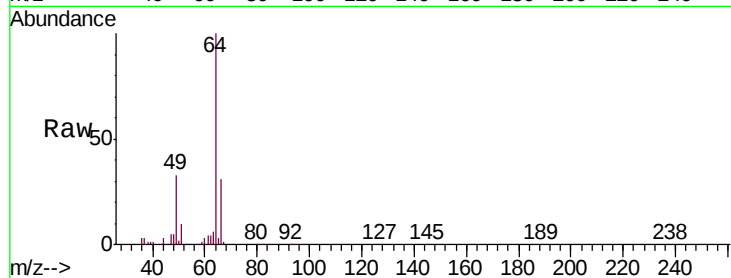
VSTDICCC010

Tgt Ion: 64 Resp: 231691

Ion Ratio Lower Upper

64 100

66 31.0 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 8.925 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.00 min

Lab File: VL034776.D

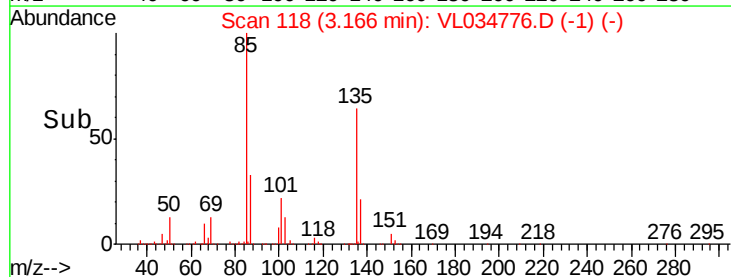
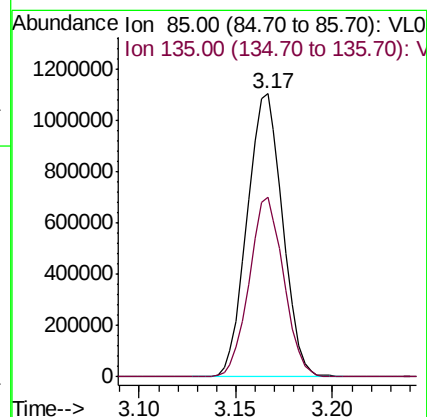
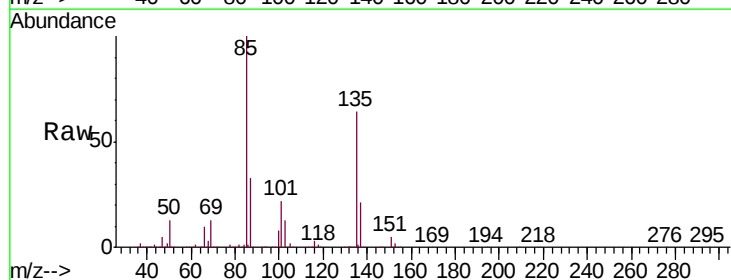
Acq: 4 Mar 2020 1:23

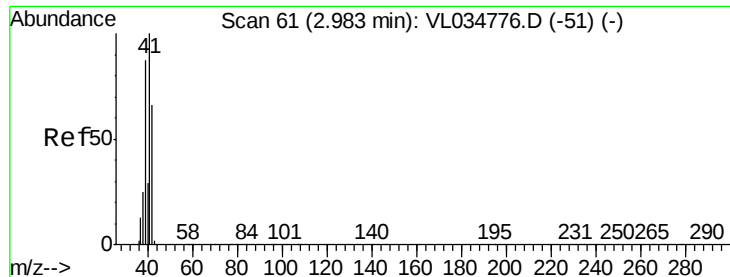
Tgt Ion: 85 Resp: 1411188

Ion Ratio Lower Upper

85 100

135 61.8 49.4 74.2





#9

Propene

Concen: 9.595 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

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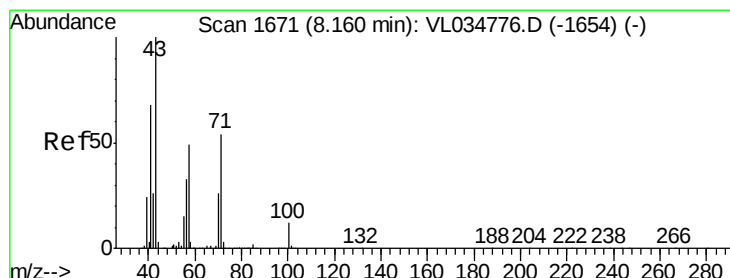
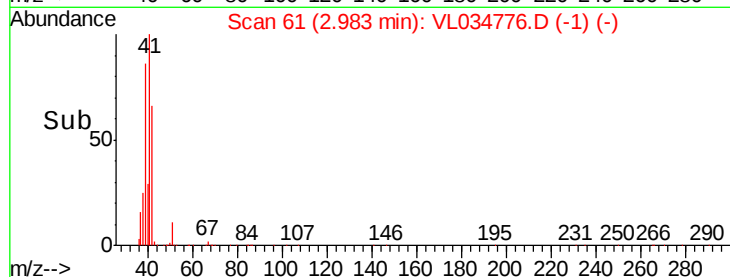
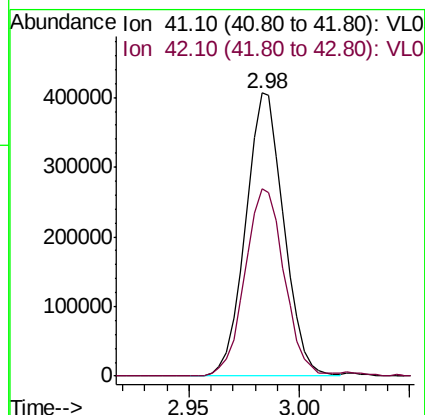
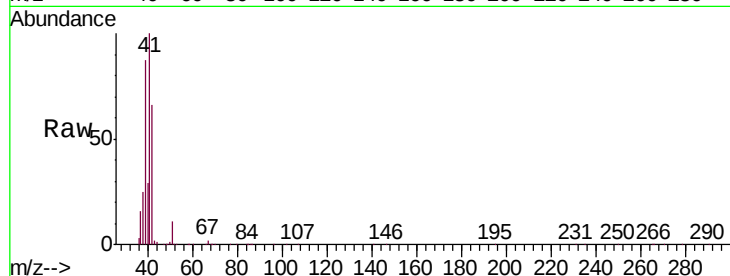
VSTDICCC010

Tgt Ion: 41 Resp: 490245

Ion Ratio Lower Upper

41 100

42 69.5 55.6 83.4



#10

Heptane

Concen: 10.047 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VL034776.D

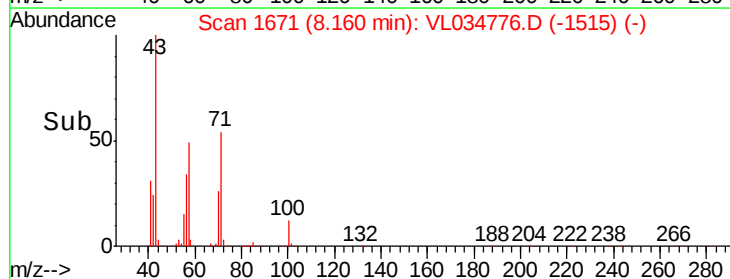
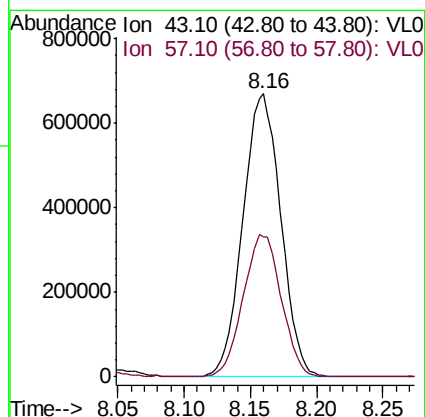
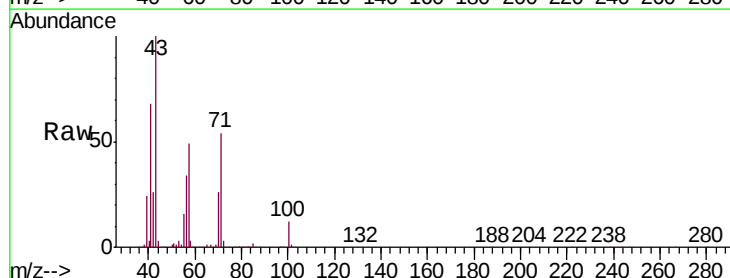
Acq: 4 Mar 2020 1:23

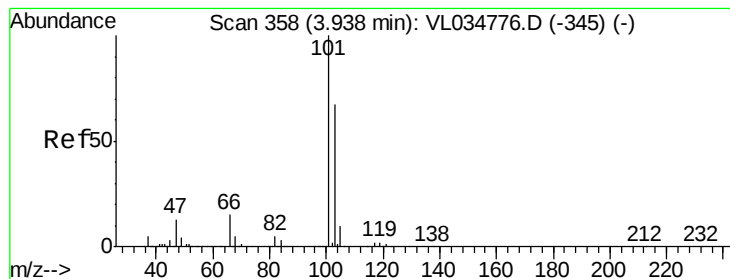
Tgt Ion: 43 Resp: 1323612

Ion Ratio Lower Upper

43 100

57 50.9 40.5 60.7





#11

Trichlorofluoromethane

Concen: 9.159 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

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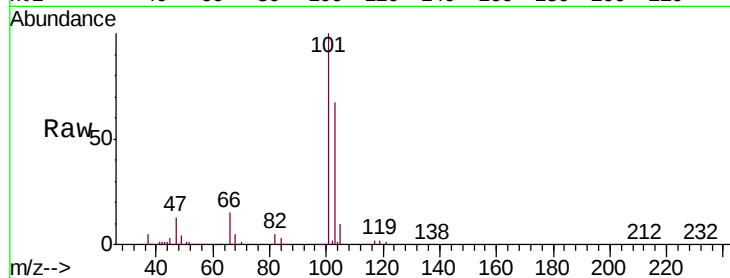
VSTDICCC010

Tgt Ion:101 Resp: 1436790

Ion Ratio Lower Upper

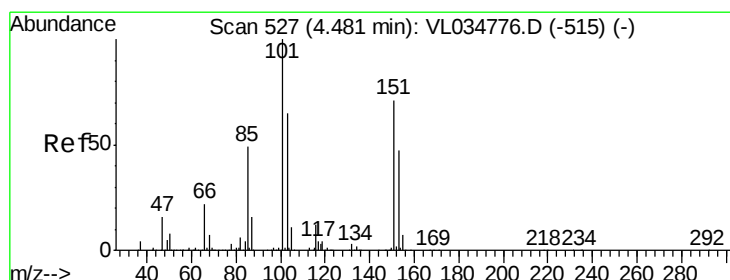
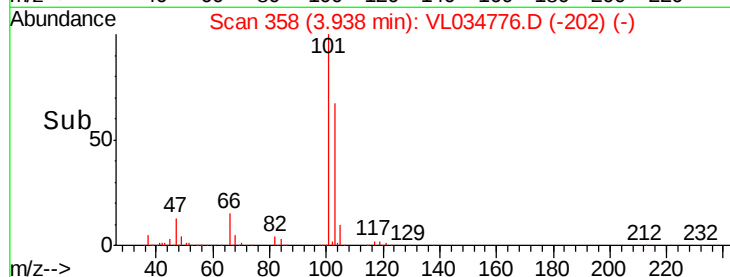
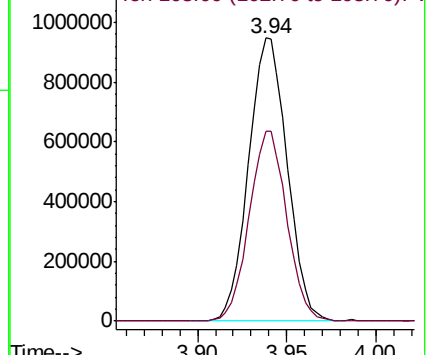
101 100

103 67.0 53.6 80.4



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: 8.917 ppbv

RT: 4.48 min Scan# 527

Delta R.T. 0.00 min

Lab File: VL034776.D

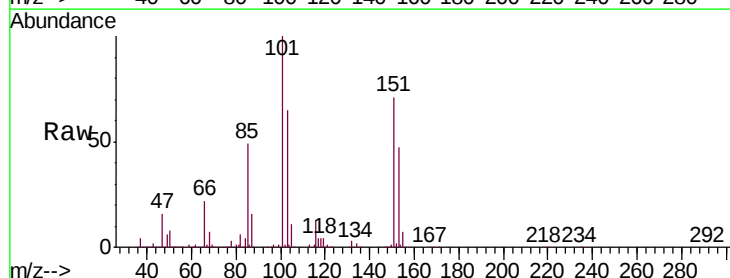
Acq: 4 Mar 2020 1:23

Tgt Ion:101 Resp: 982399

Ion Ratio Lower Upper

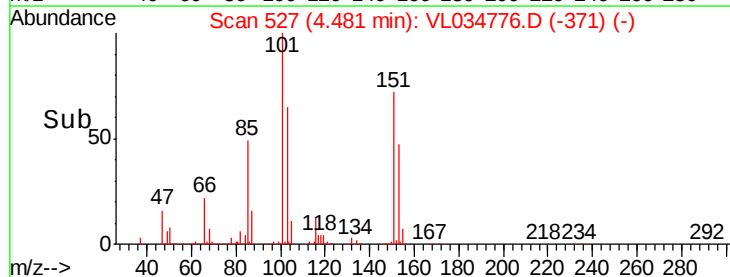
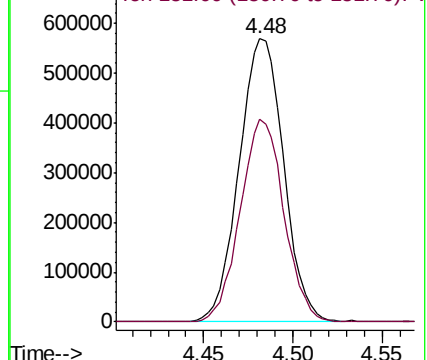
101 100

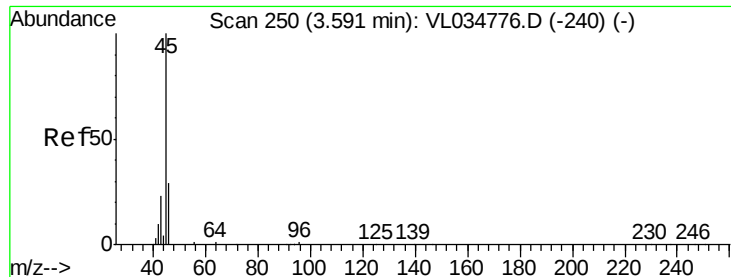
151 70.8 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.932 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

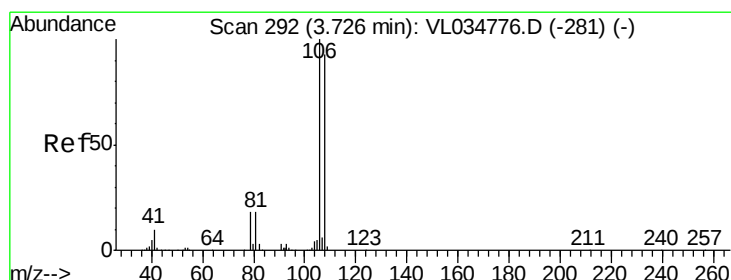
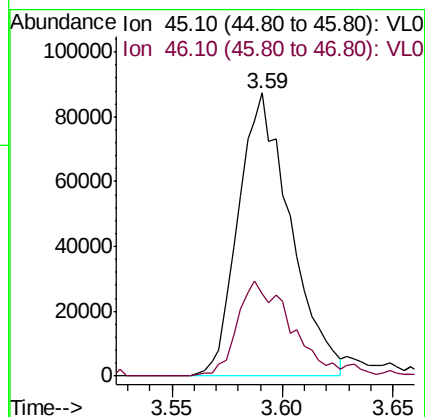
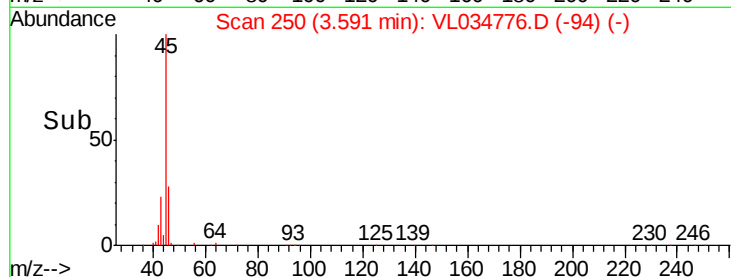
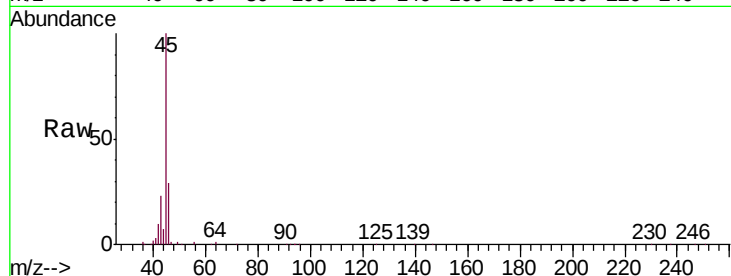
VSTDICCC010

Tgt Ion: 45 Resp: 143792

Ion Ratio Lower Upper

45 100

46 36.8 14.7 58.9



#14

Bromoethene

Concen: 9.650 ppbv

RT: 3.73 min Scan# 292

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

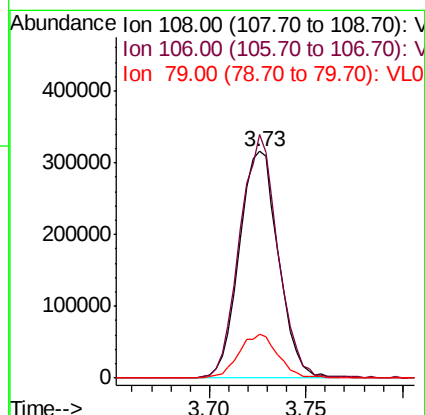
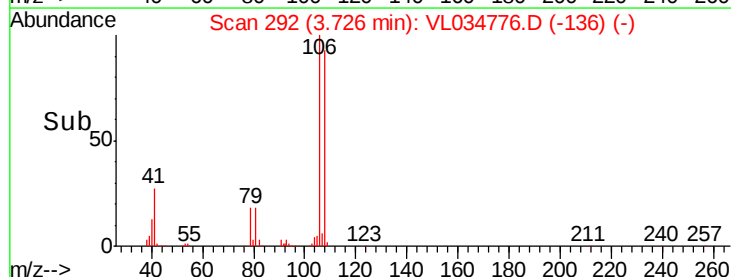
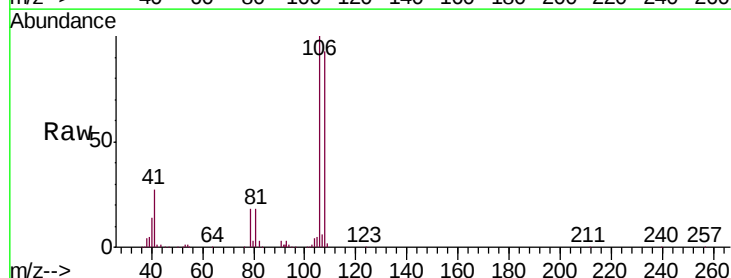
Tgt Ion: 108 Resp: 445905

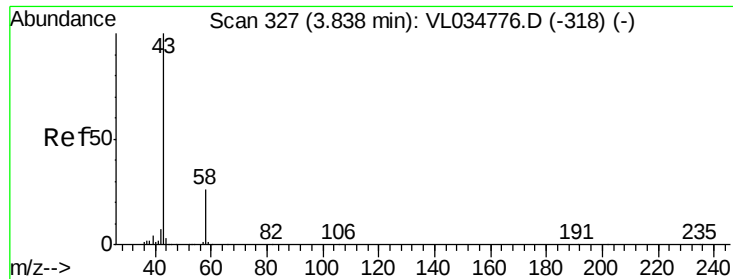
Ion Ratio Lower Upper

108 100

106 104.9 83.5 125.3

79 19.5 15.6 23.4





#15

Acetone

Concen: 8.711 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

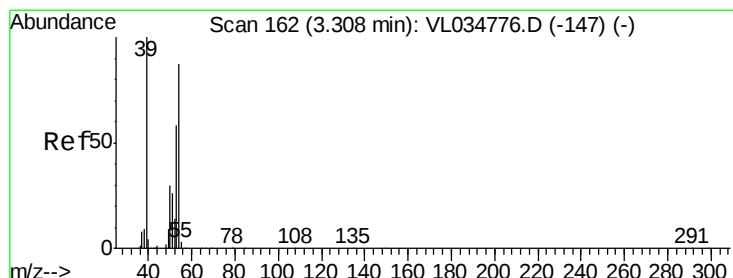
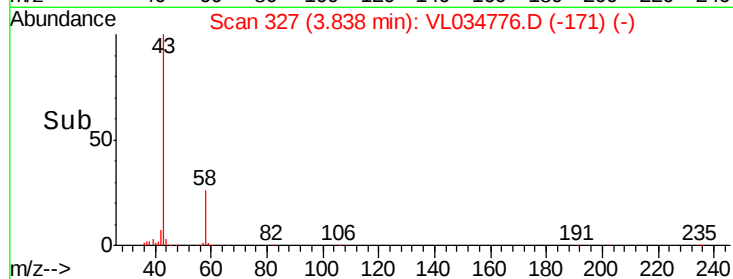
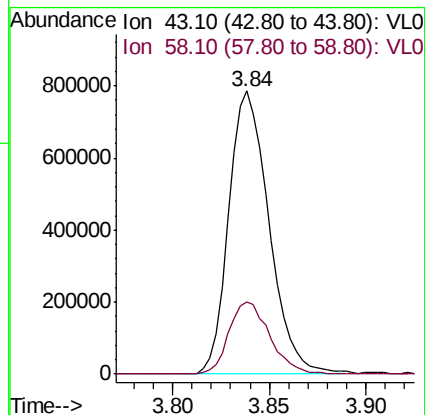
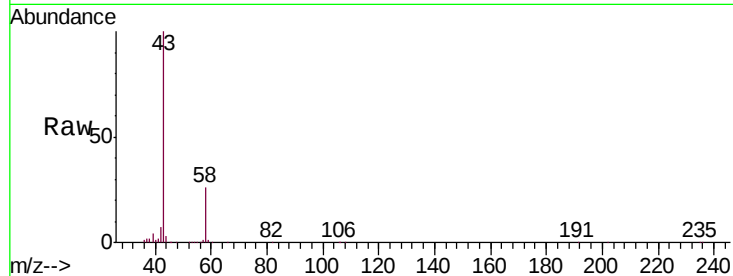
VSTDICCC010

Tgt Ion: 43 Resp: 1128181

Ion Ratio Lower Upper

43 100

58 26.3 21.0 31.6



#16

1,3-Butadiene

Concen: 9.861 ppbv

RT: 3.31 min Scan# 162

Delta R.T. 0.00 min

Lab File: VL034776.D

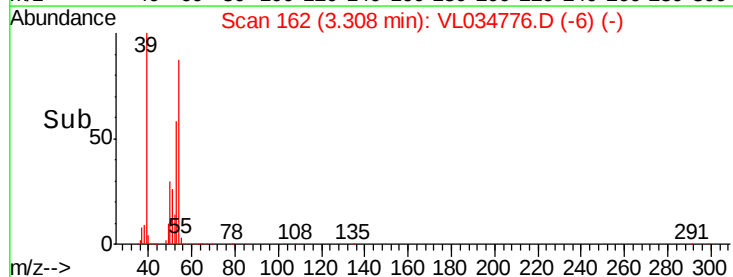
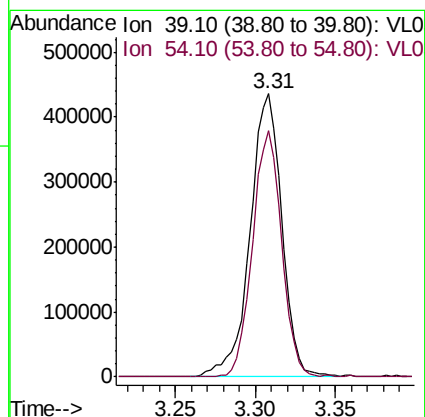
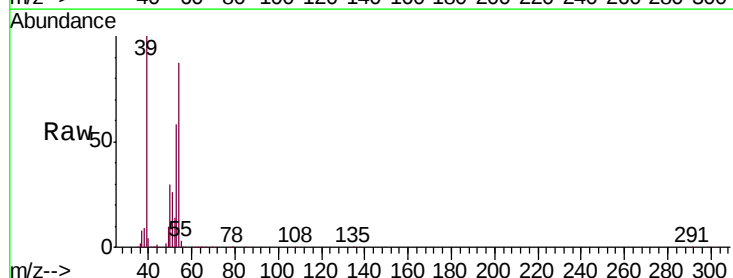
Acq: 4 Mar 2020 1:23

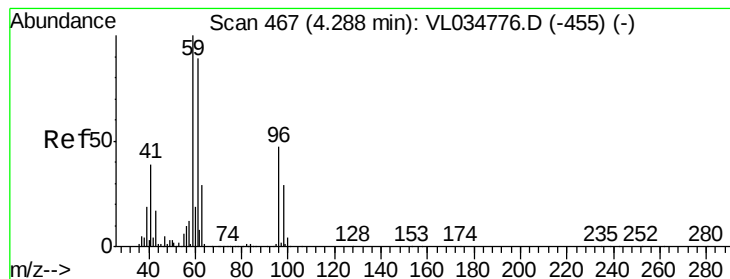
Tgt Ion: 39 Resp: 592686

Ion Ratio Lower Upper

39 100

54 80.0 64.2 96.2





#17

tert-Butyl alcohol

Concen: 11.261 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

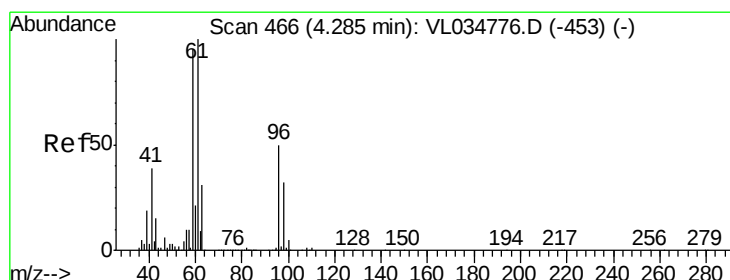
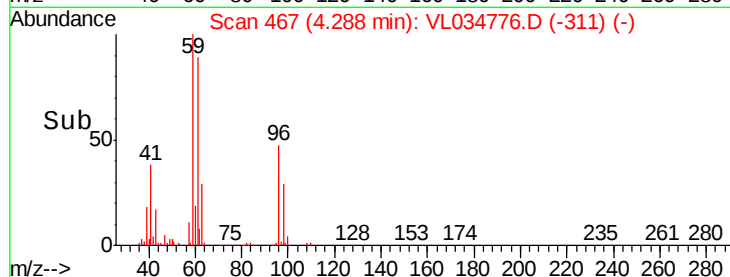
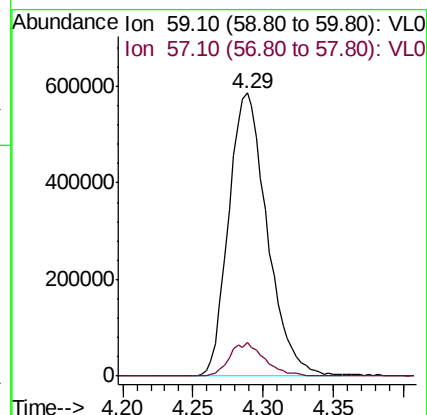
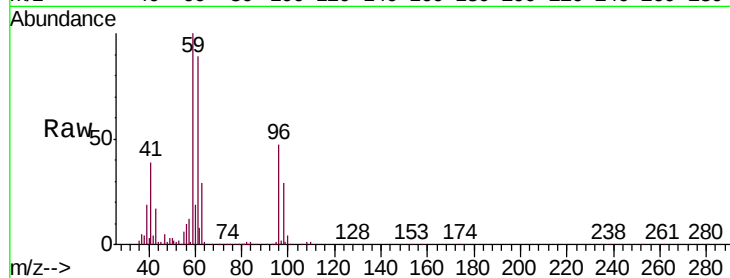
VSTDICCC010

Tgt Ion: 59 Resp: 1118179

Ion Ratio Lower Upper

59 100

57 10.9 8.6 13.0



#18

1,1-Dichloroethene

Concen: 9.203 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

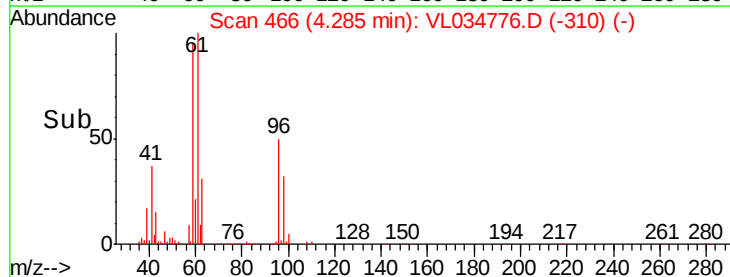
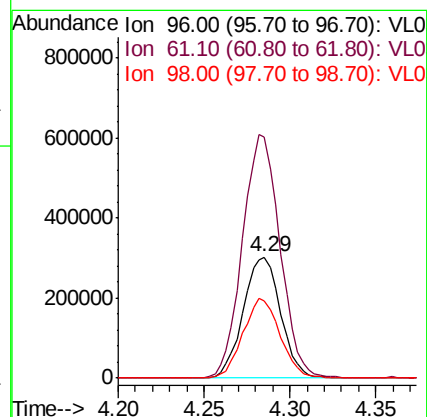
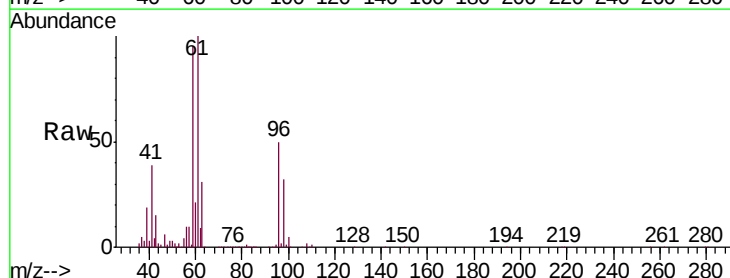
Tgt Ion: 96 Resp: 455332

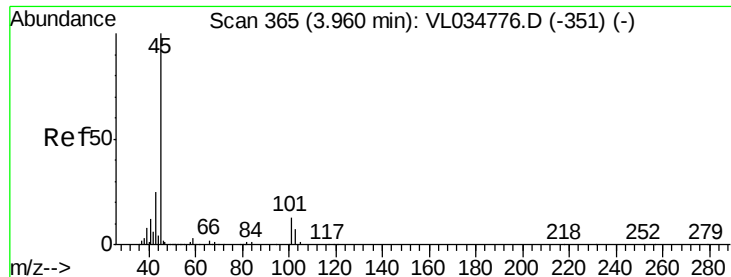
Ion Ratio Lower Upper

96 100

61 199.4 159.5 239.3

98 63.9 51.1 76.7



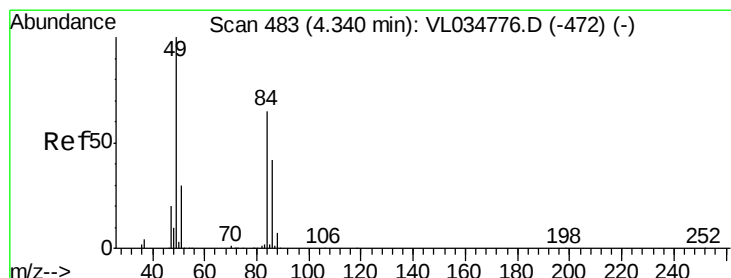
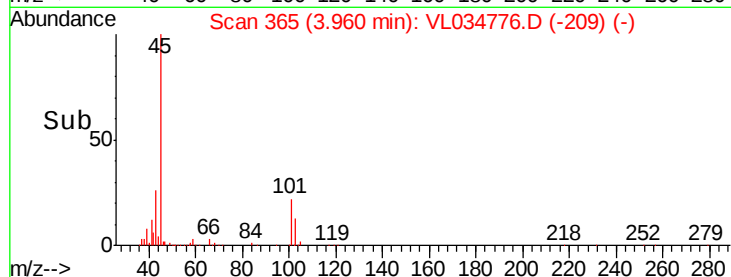
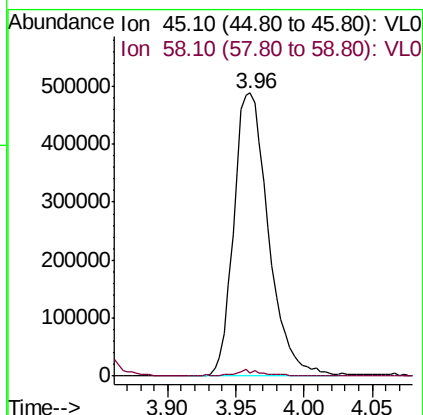
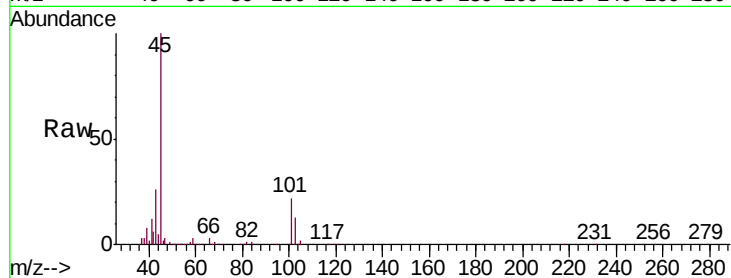


#19

Isopropyl Alcohol
 Concen: 11.168 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

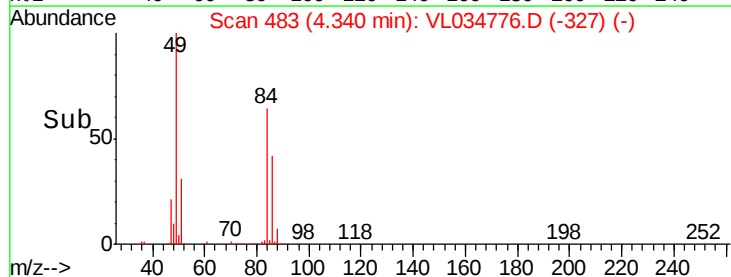
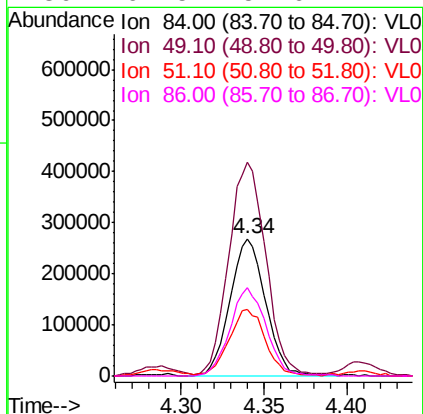
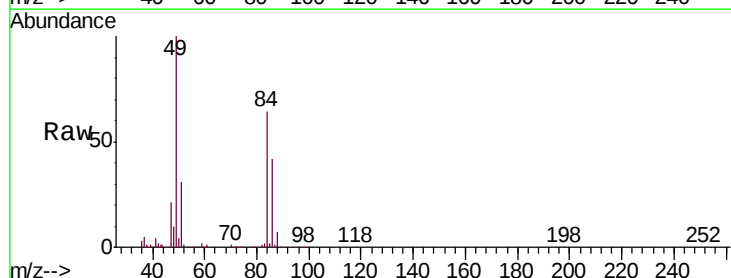
Tgt Ion: 45 Resp: 862800
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.8 2.8

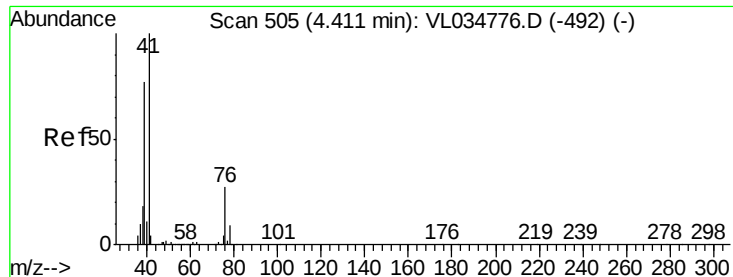


#20

Methylene Chloride
 Concen: 8.339 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 84 Resp: 400058
 Ion Ratio Lower Upper
 84 100
 49 154.0 123.2 184.8
 51 46.8 37.4 56.2
 86 64.5 51.6 77.4

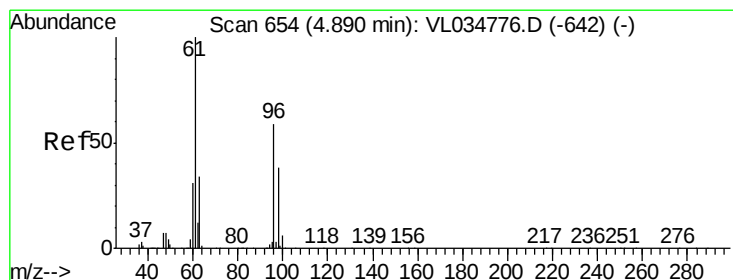
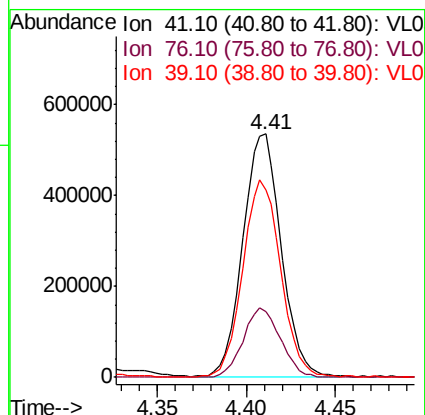
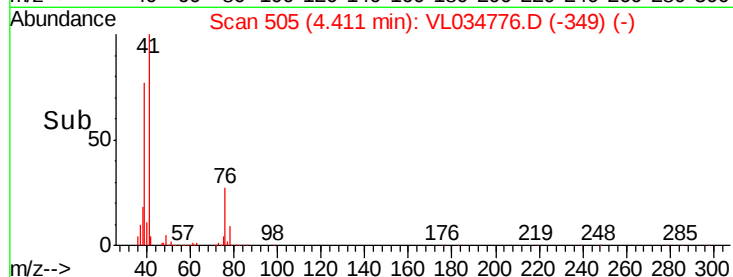
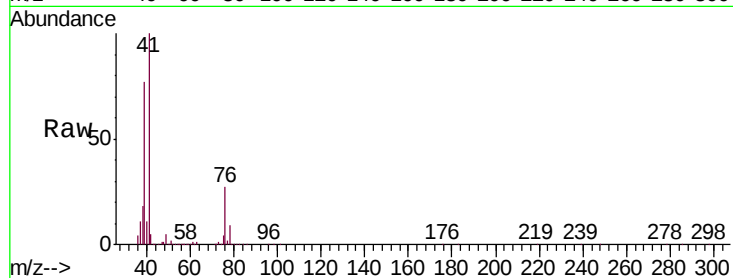




#21
 Allyl Chloride
 Concen: 9.436 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

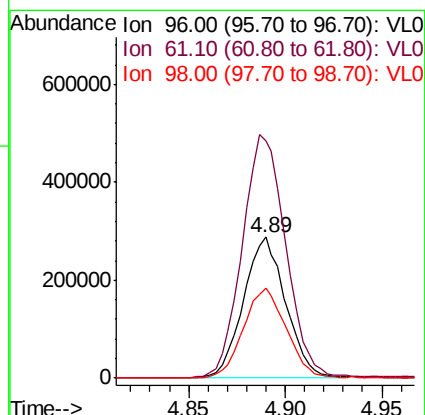
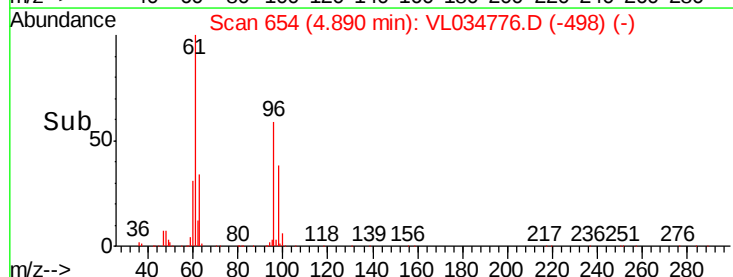
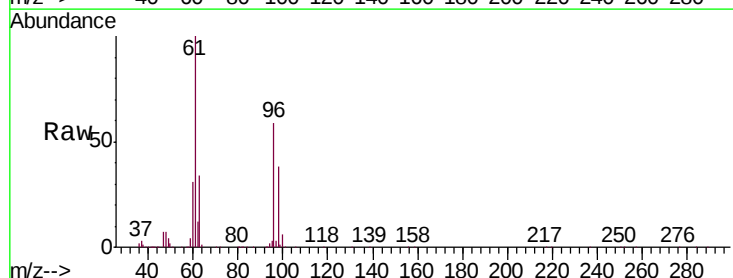
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

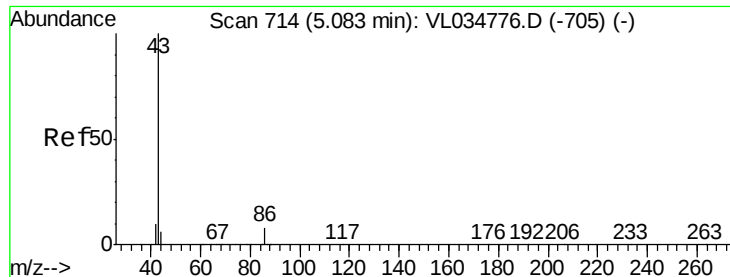
Tgt Ion	Ratio	Lower	Upper
41	100		
76	28.1	22.5	33.7
39	80.9	65.0	97.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.169 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.0	135.2	202.8
98	63.5	50.8	76.2





#23

Vinyl Acetate

Concen: 10.433 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

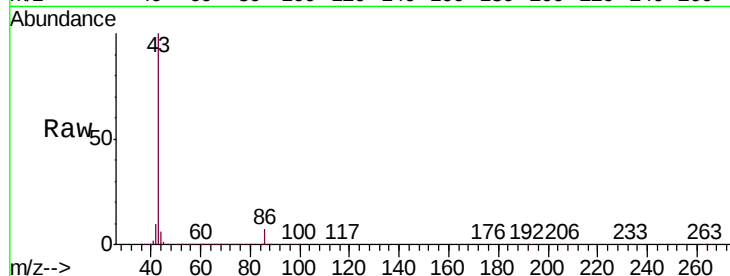
MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1836752

Ion	Ratio	Lower	Upper
43	100		
86	7.4	5.9	8.9
42	10.2	8.2	12.2
44	5.6	4.5	6.7

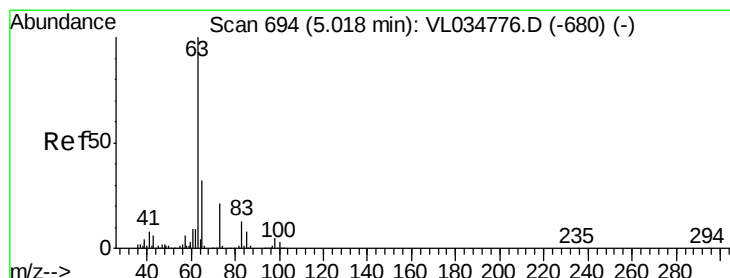
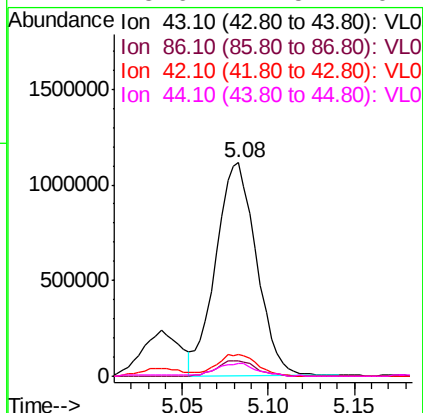
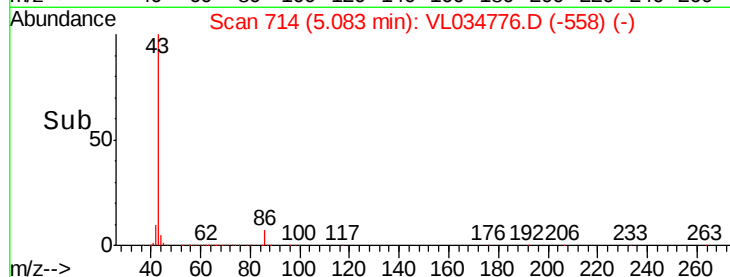


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.225 ppbv

RT: 5.02 min Scan# 694

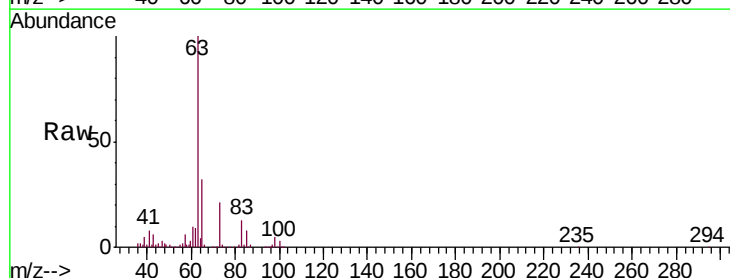
Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tgt Ion: 63 Resp: 1292563

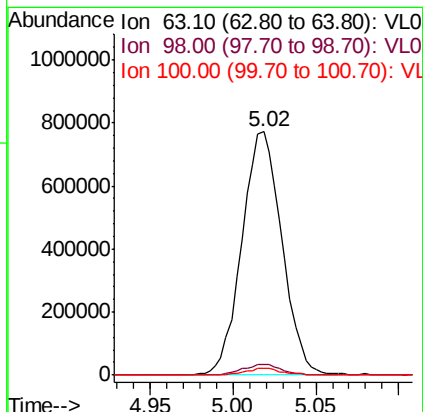
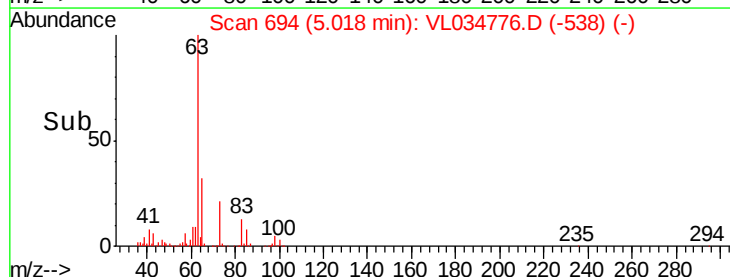
Ion	Ratio	Lower	Upper
63	100		
98	4.5	2.3	6.8
100	2.9	1.5	4.4

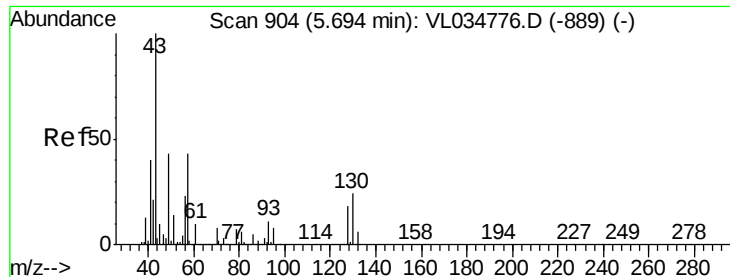


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



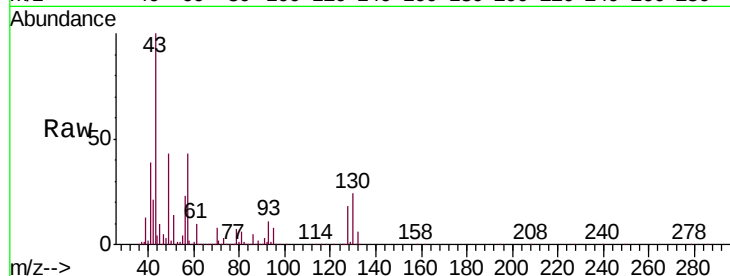


#25
Ethyl Acetate
Concen: 9.691 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2222607

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.6	7.5	11.3
70	7.5	6.0	9.0



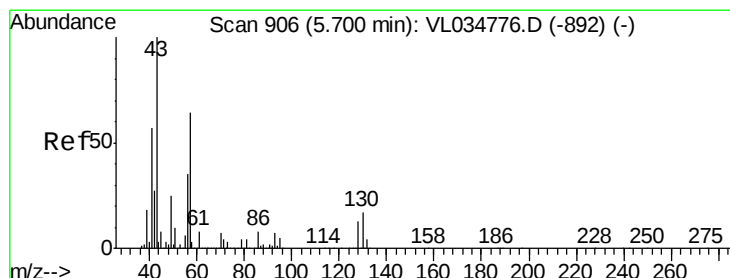
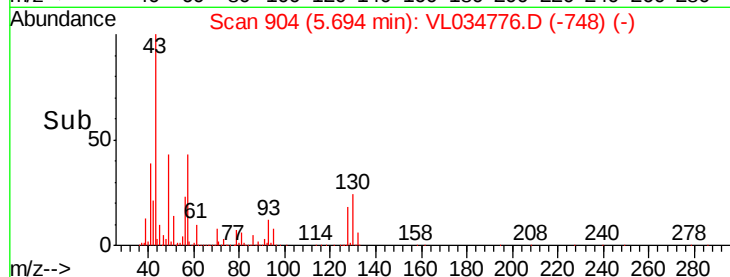
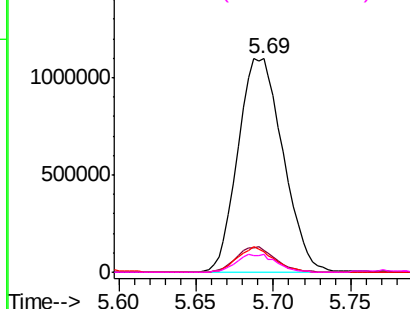
Abundance

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

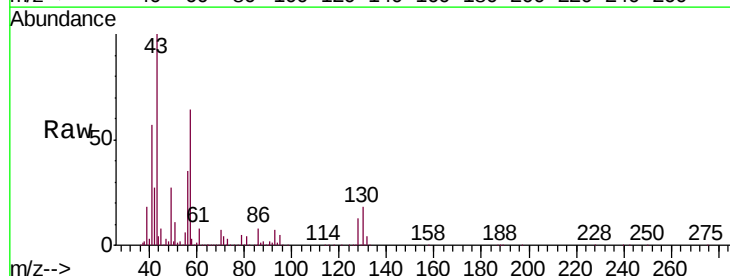
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.475 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 57 Resp: 998749

Ion	Ratio	Lower	Upper
57	100		
41	90.0	72.0	108.0
43	223.9	179.1	268.7
56	53.2	42.6	63.8



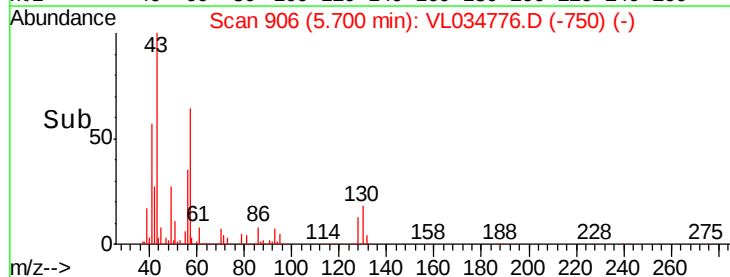
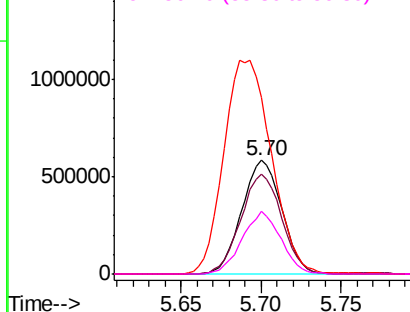
Abundance

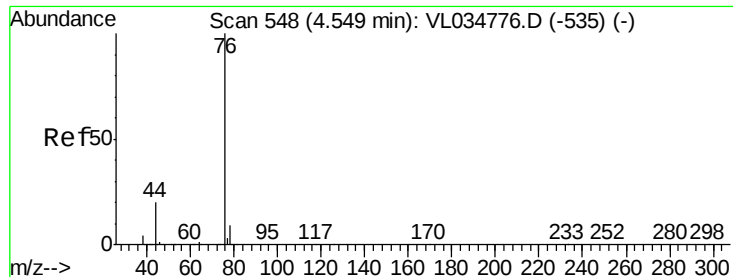
Ion 57.10 (56.80 to 57.80): VL0

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: 9.797 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

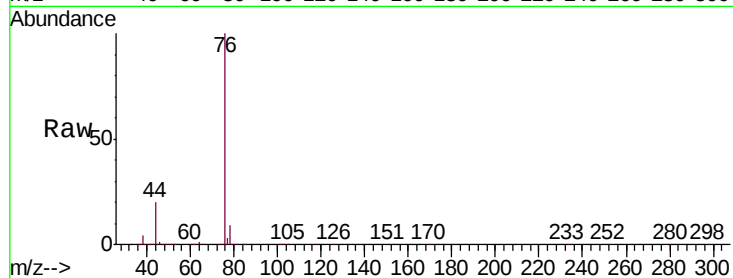
Tgt Ion: 76 Resp: 1159848

Ion Ratio Lower Upper

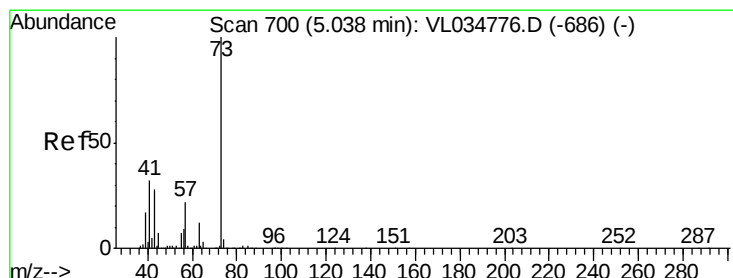
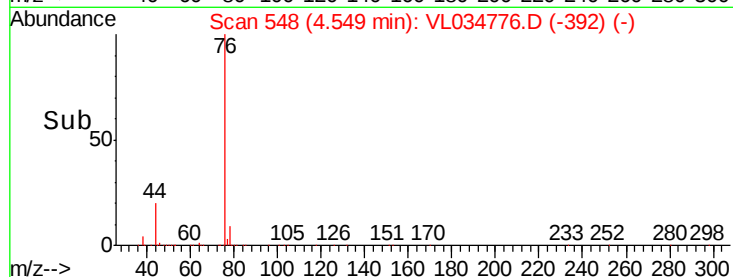
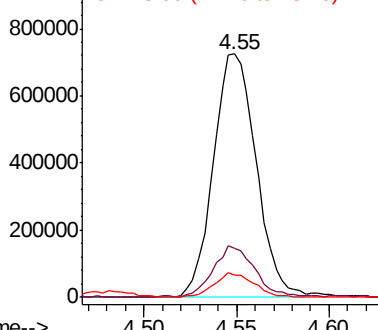
76 100

44 20.3 16.1 24.1

78 9.5 7.5 11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0
1000000
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.882 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL034776.D

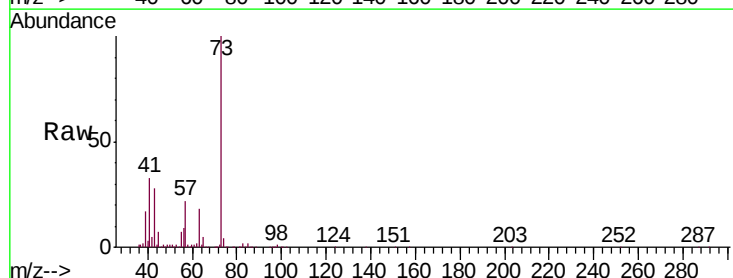
Acq: 4 Mar 2020 1:23

Tgt Ion: 73 Resp: 1485671

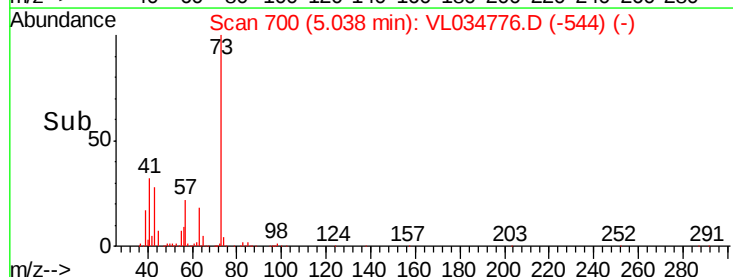
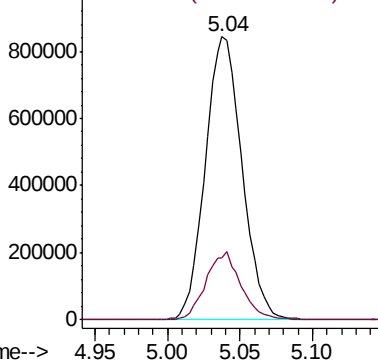
Ion Ratio Lower Upper

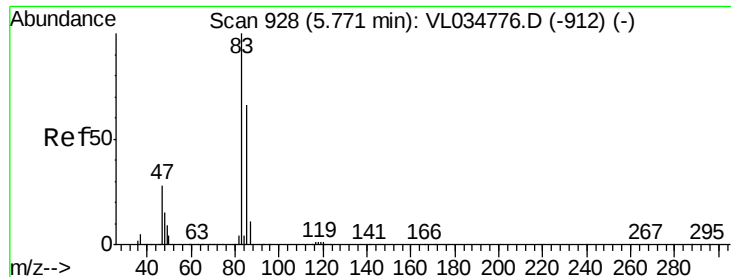
73 100

57 23.1 18.5 27.7



Abundance Ion 73.10 (72.80 to 73.80): VL0
1000000
Ion 57.10 (56.80 to 57.80): VL0

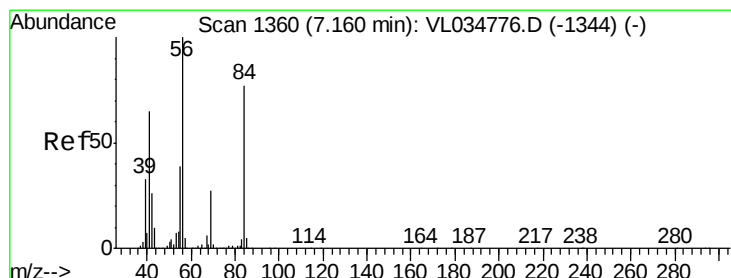
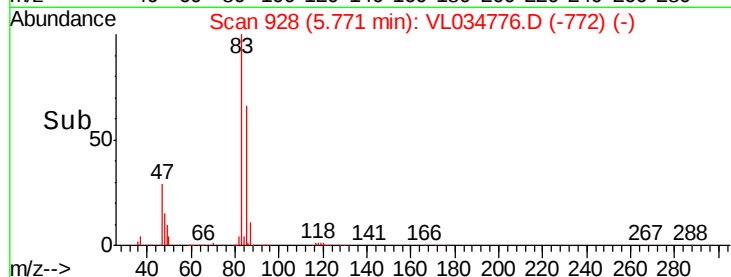
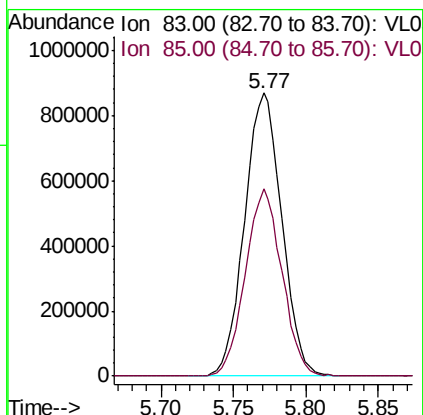
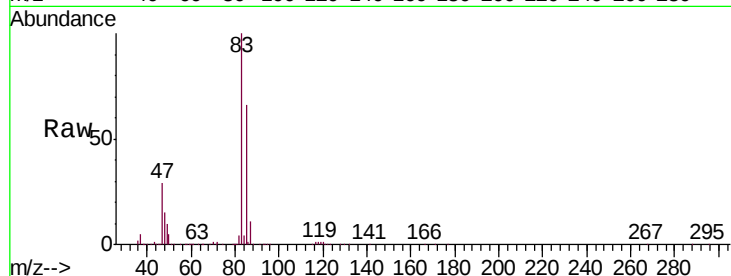




#29
Chloroform
Concen: 9.261 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

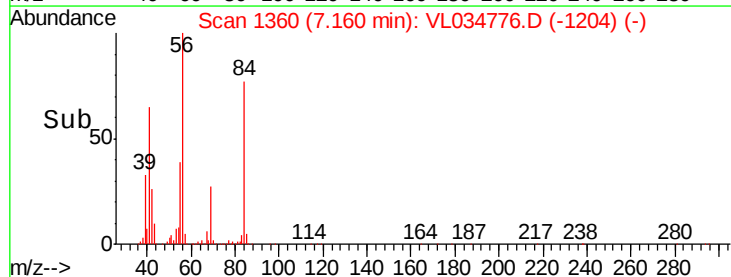
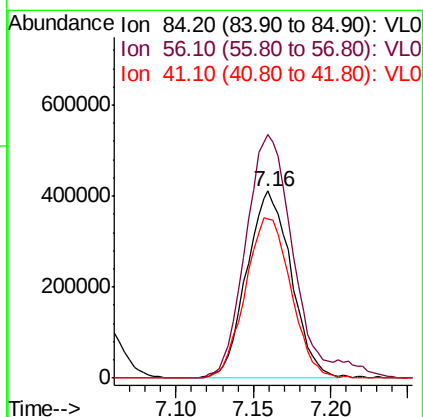
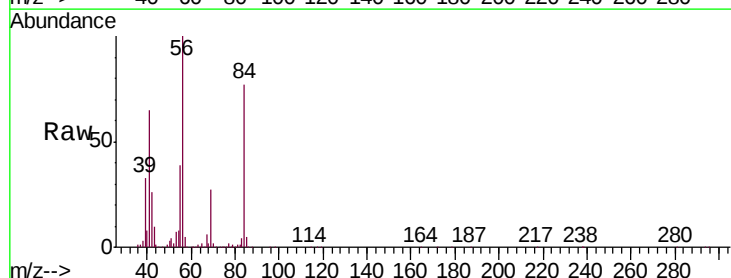
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

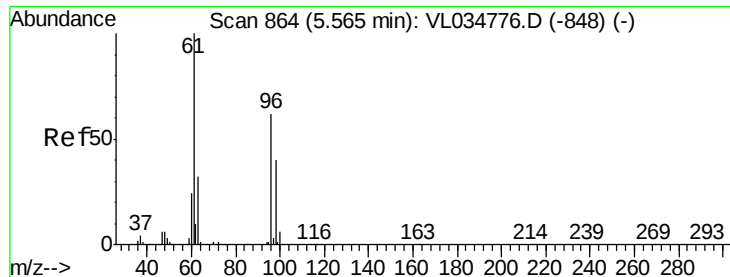
Tgt Ion: 83 Resp: 1556507
Ion Ratio Lower Upper
83 100
85 66.2 53.0 79.4



#30
Cyclohexane
Concen: 10.063 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 84 Resp: 822959
Ion Ratio Lower Upper
84 100
56 141.5 113.2 169.8
41 87.9 70.2 105.4



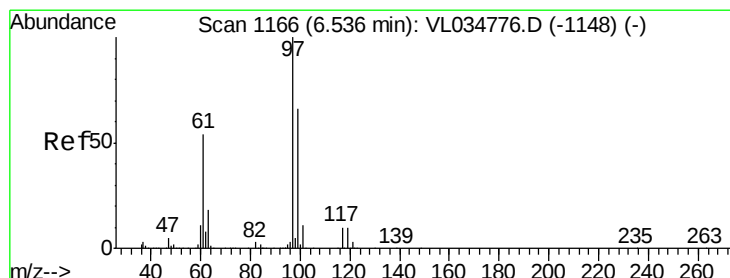
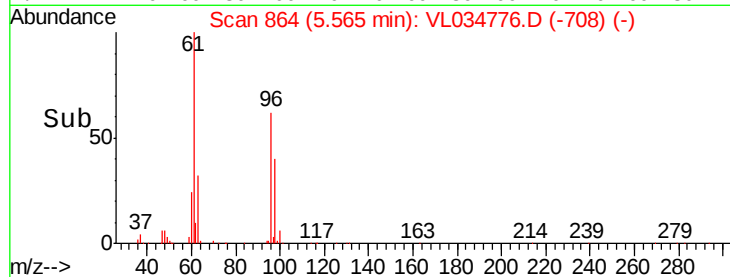
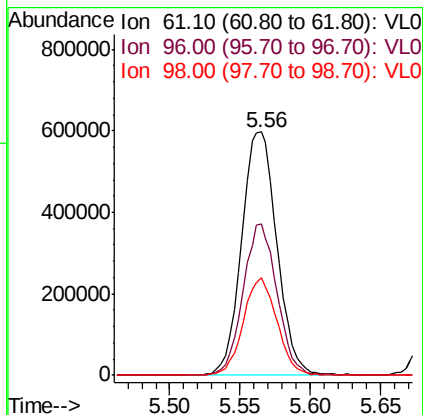
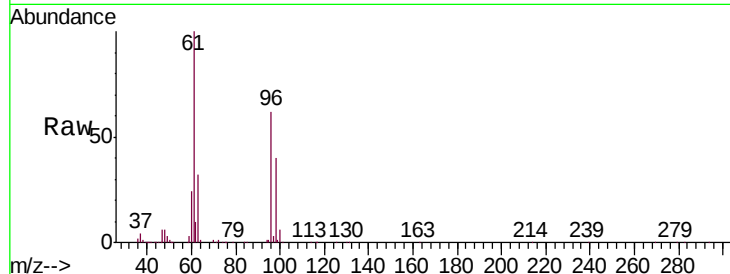


#31

cis-1,2-Dichloroethene
 Concen: 10.114 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

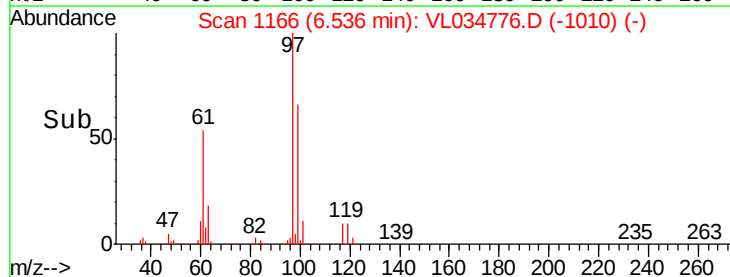
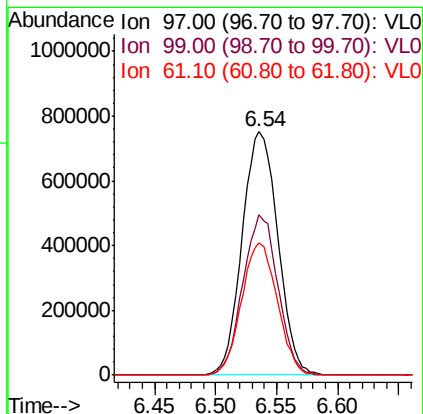
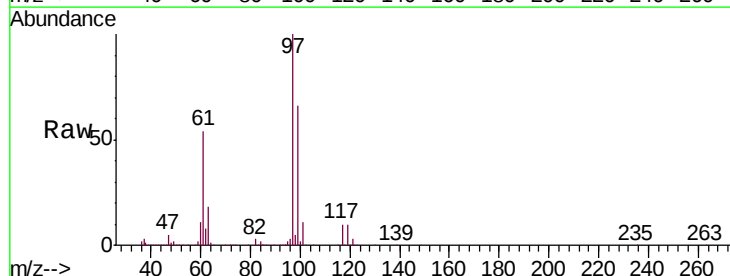
Tgt Ion: 61 Resp: 1049884
 Ion Ratio Lower Upper
 61 100
 96 62.1 49.7 74.5
 98 39.9 31.9 47.9

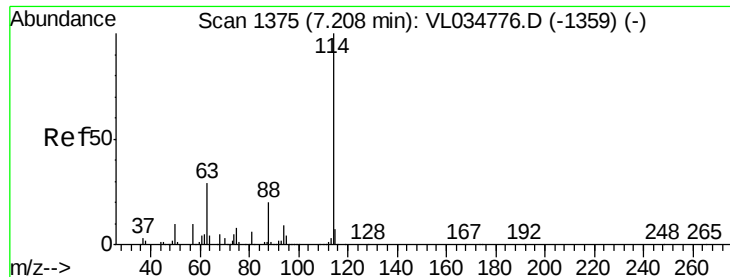


#32

1,1,1-Trichloroethane
 Concen: 9.653 ppbv
 RT: 6.54 min Scan# 1166
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 97 Resp: 1521172
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 54.0 43.4 65.0

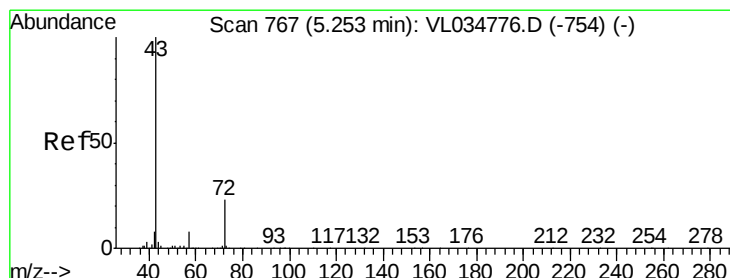
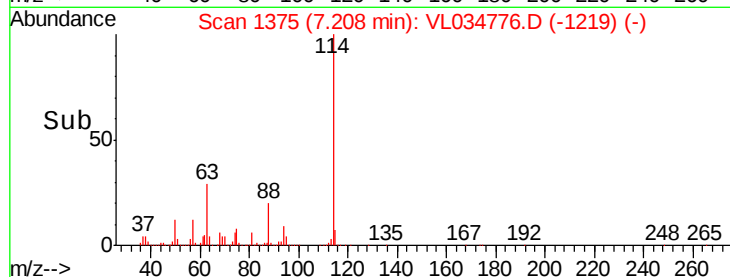
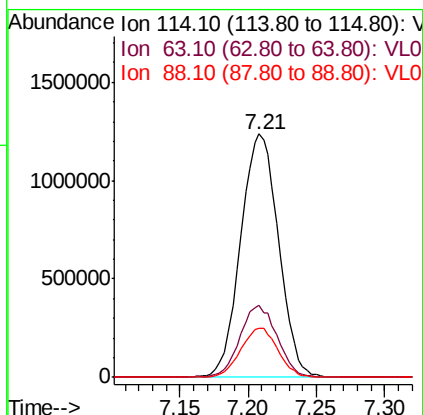
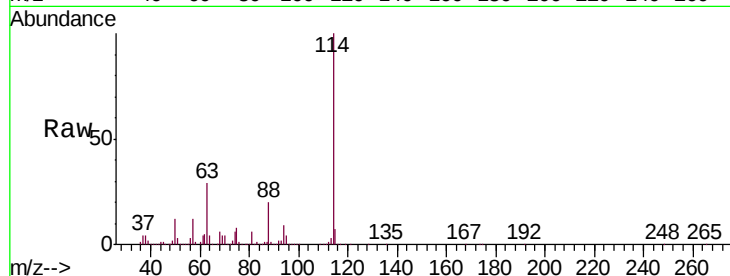




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

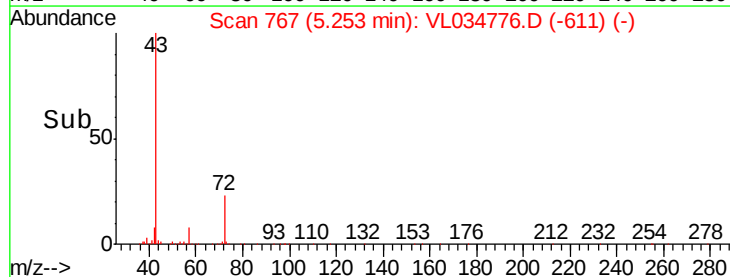
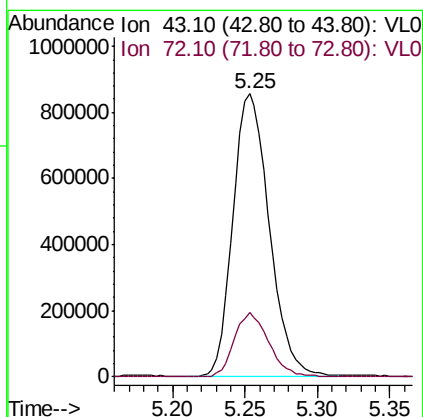
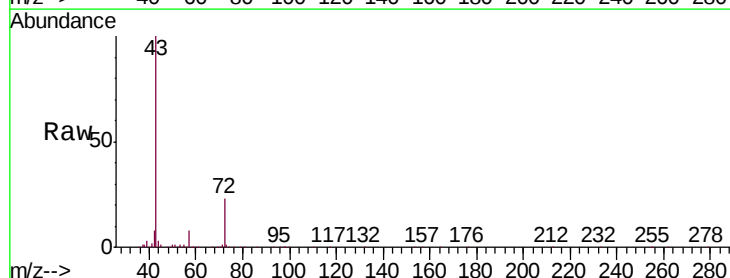
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

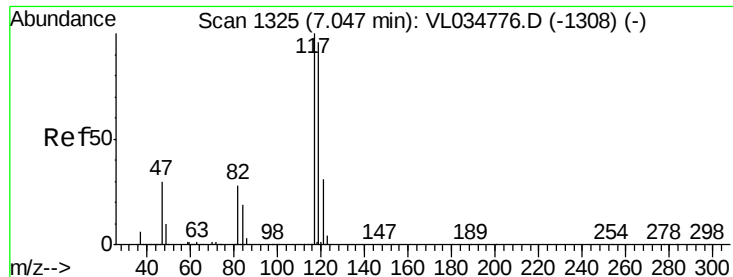
Tgt Ion:114 Resp: 2383831
 Ion Ratio Lower Upper
 114 100
 63 29.6 23.6 35.4
 88 19.9 15.8 23.8



#34
 2-Butanone
 Concen: 9.868 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 43 Resp: 1485934
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.5 26.3

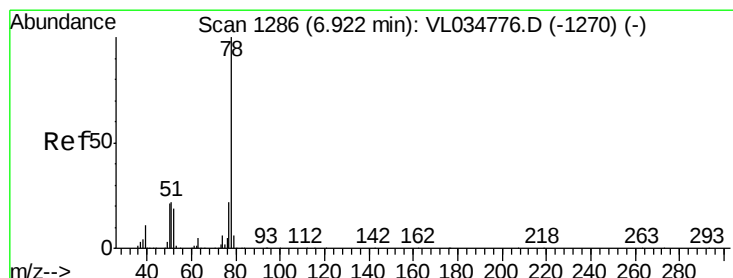
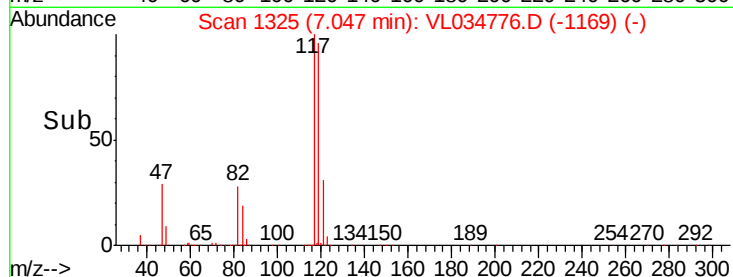
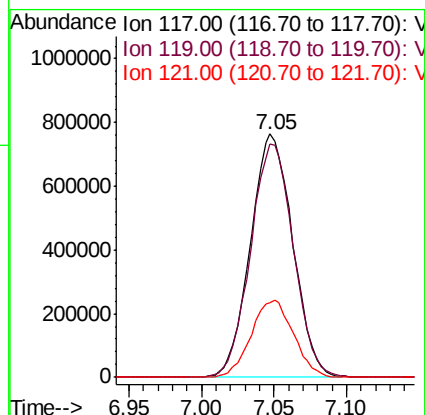
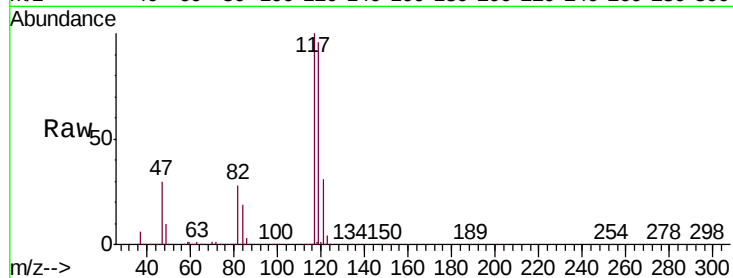




#35
Carbon Tetrachloride
Concen: 9.705 ppbv
RT: 7.05 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

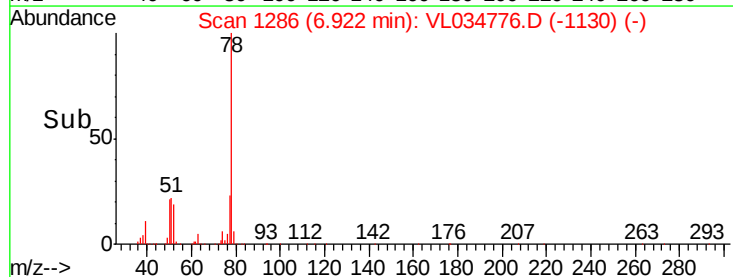
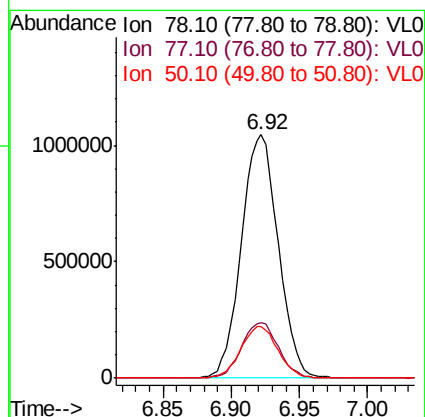
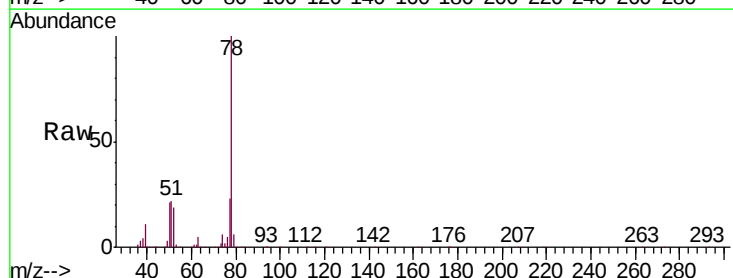
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

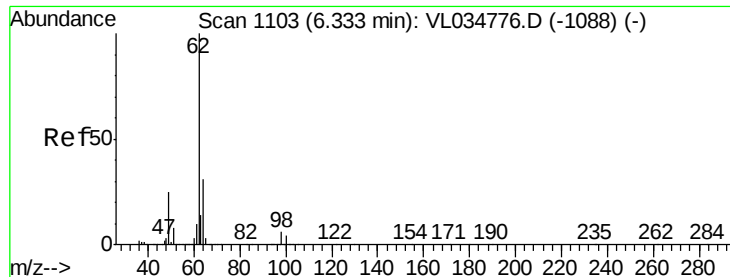
Tgt Ion: 117 Resp: 1550802
Ion Ratio Lower Upper
117 100
119 96.0 76.8 115.2
121 30.8 24.6 37.0



#36
Benzene
Concen: 9.571 ppbv
RT: 6.92 min Scan# 1286
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 78 Resp: 1965995
Ion Ratio Lower Upper
78 100
77 22.5 18.0 27.0
50 21.1 16.9 25.3

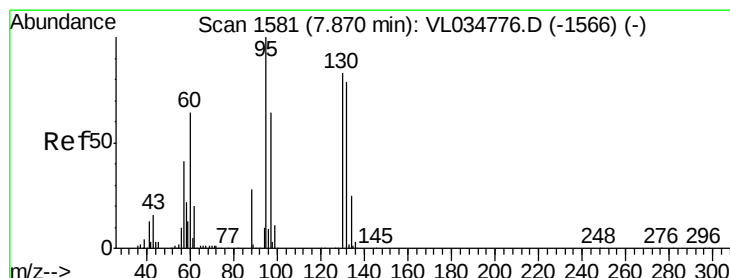
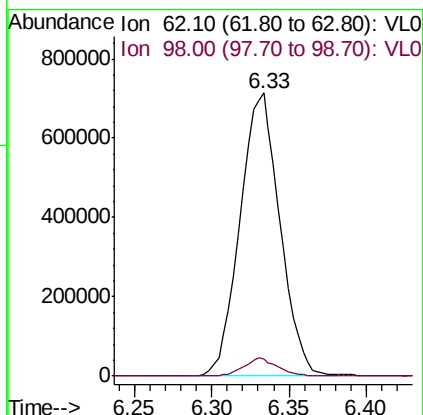
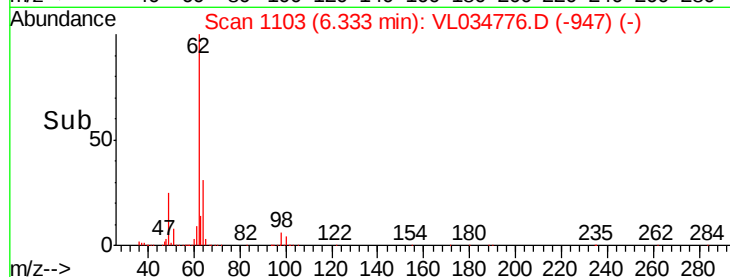
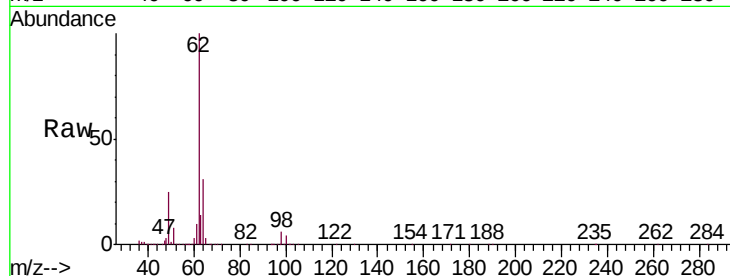




#37
 1,2-Dichloroethane
 Concen: 9.788 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

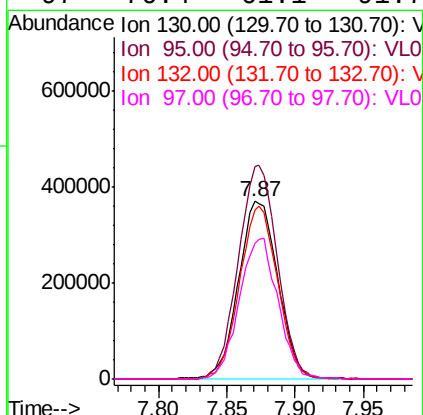
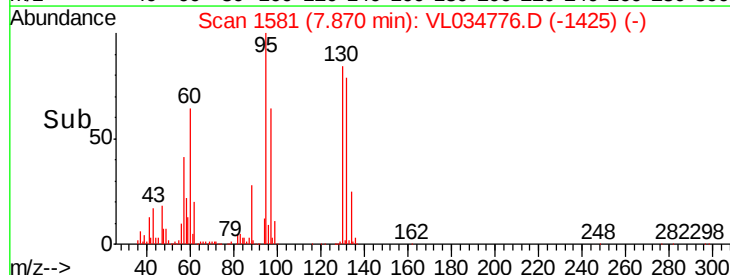
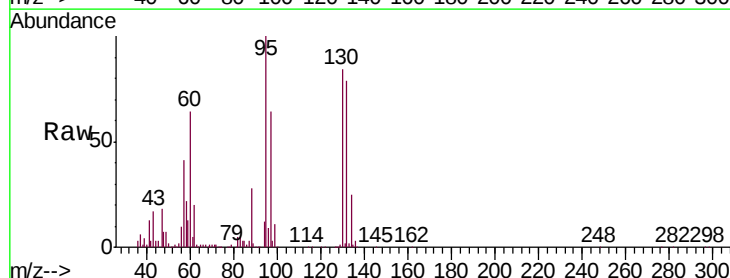
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

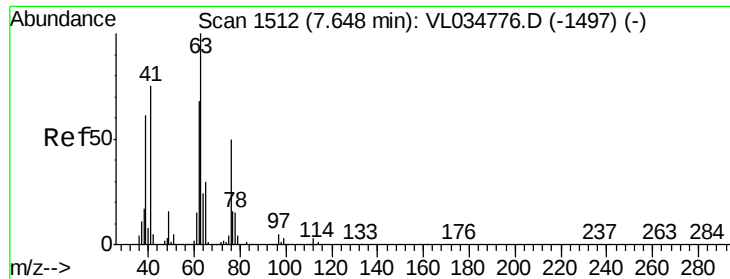
Tgt Ion: 62 Resp: 1279365
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.4 6.6



#38
 Trichloroethene
 Concen: 9.315 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 130 Resp: 738833
 Ion Ratio Lower Upper
 130 100
 95 119.8 95.8 143.8
 132 95.1 76.1 114.1
 97 76.4 61.1 91.7





#39

1,2-Dichloropropane

Concen: 9.617 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

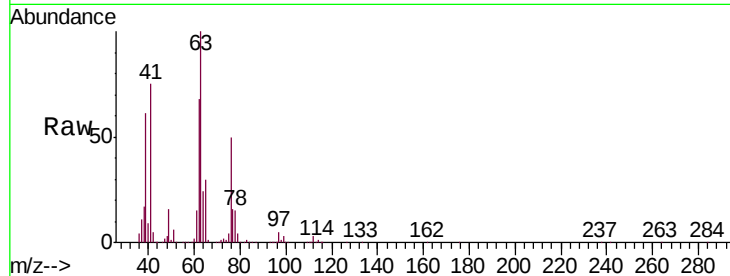
Tgt Ion: 63 Resp: 784040

Ion Ratio Lower Upper

63 100

41 75.4 60.3 90.5

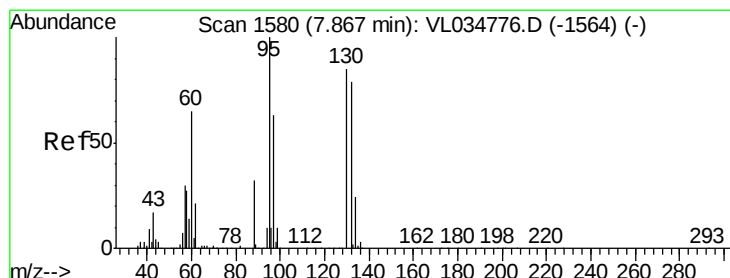
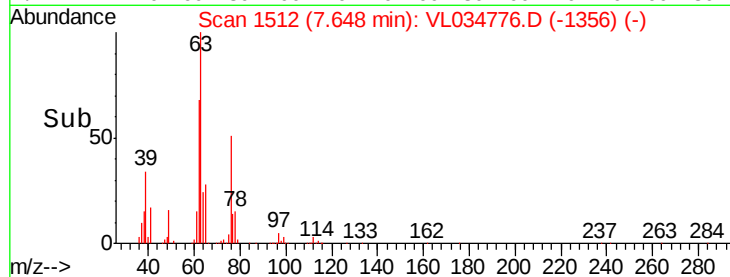
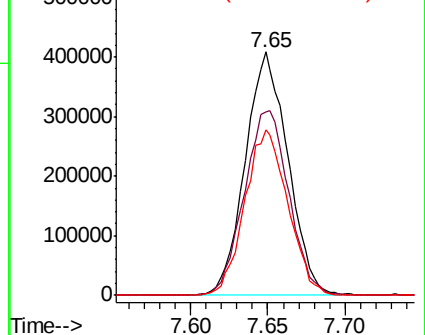
62 68.1 54.5 81.7



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: 10.487 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tgt Ion: 88 Resp: 290797

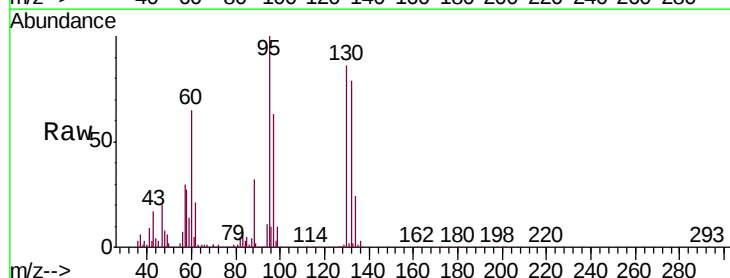
Ion Ratio Lower Upper

88 100

58 139.5 110.6 166.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0

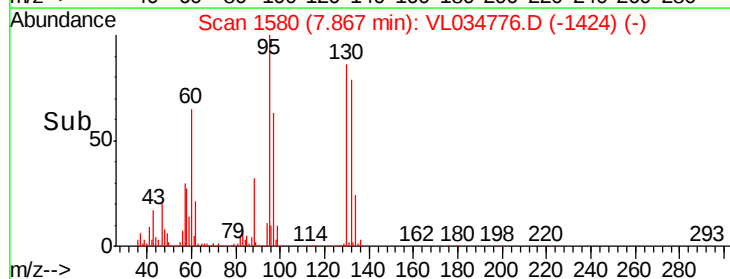
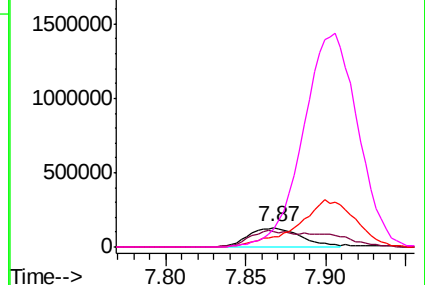


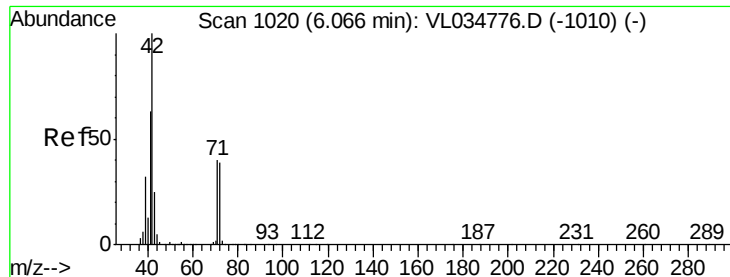
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.260 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

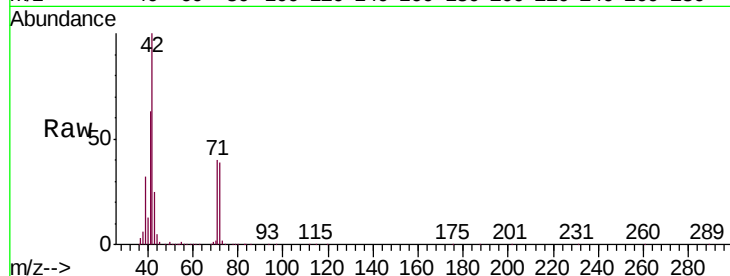
Tgt Ion: 42 Resp: 809501

Ion Ratio Lower Upper

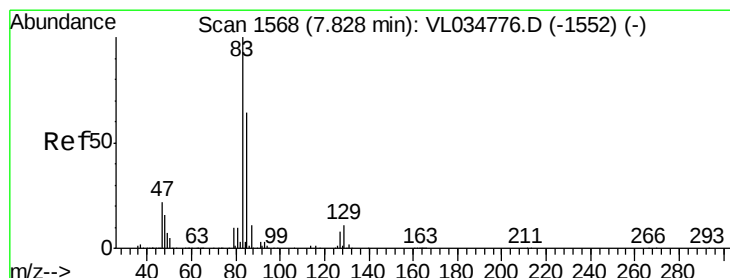
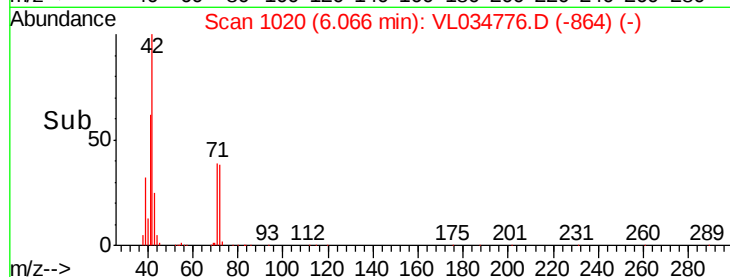
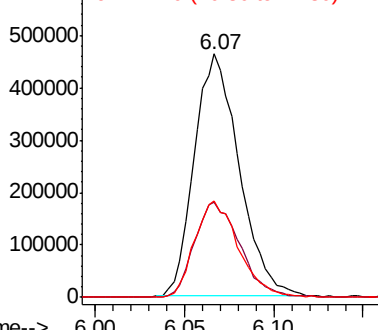
42 100

72 40.0 32.0 48.0

71 39.1 31.3 46.9



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.085 ppbv

RT: 7.83 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

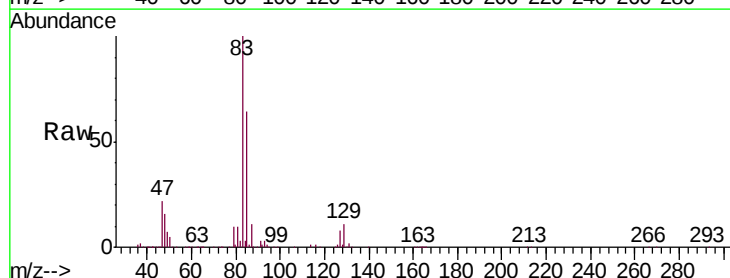
Tgt Ion: 83 Resp: 1724314

Ion Ratio Lower Upper

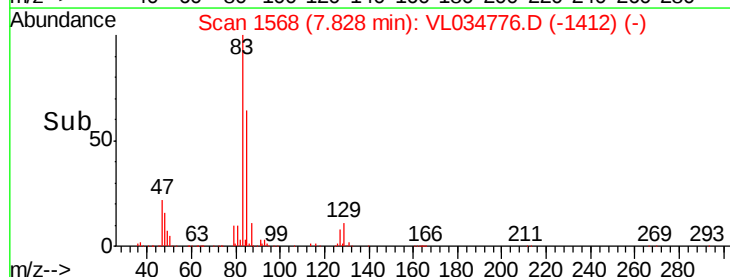
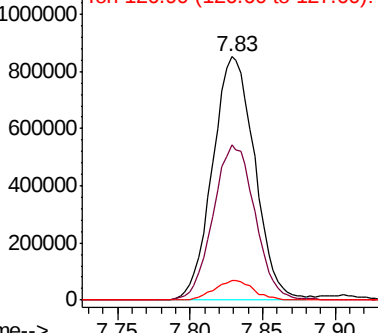
83 100

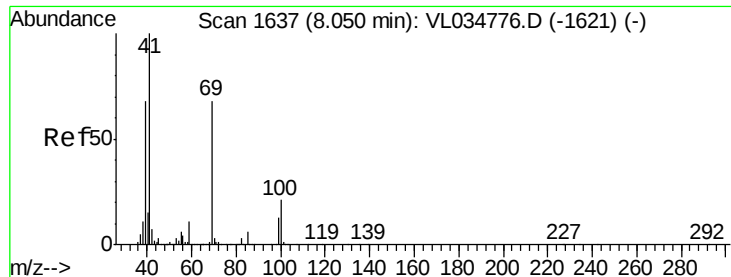
85 63.5 50.8 76.2

127 8.1 6.5 9.7



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V

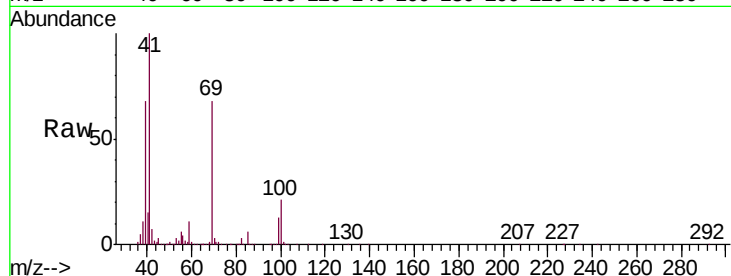




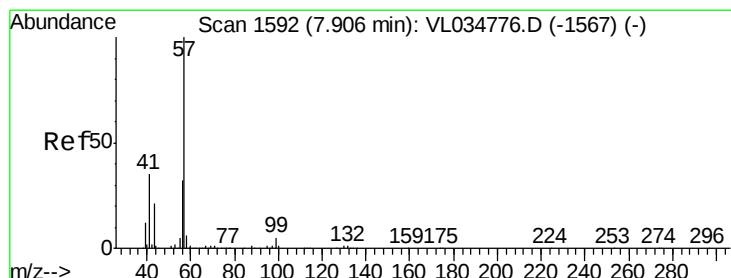
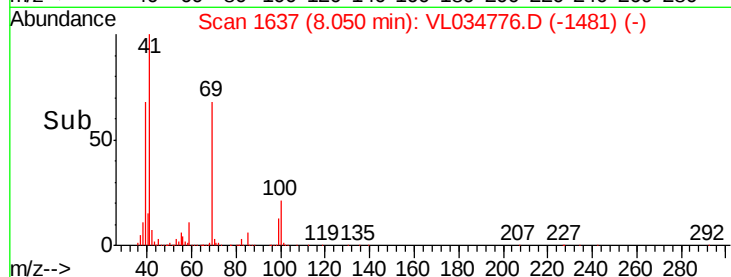
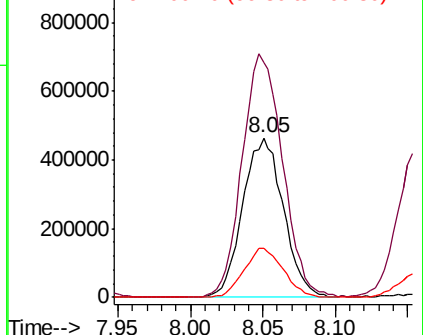
#43
Methyl Methacrylate
Concen: 10.502 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 69 Resp: 906988
Ion Ratio Lower Upper
69 100
41 152.0 121.6 182.4
100 29.8 23.8 35.8

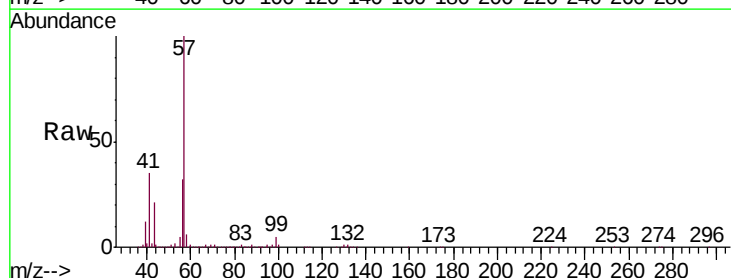


Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0

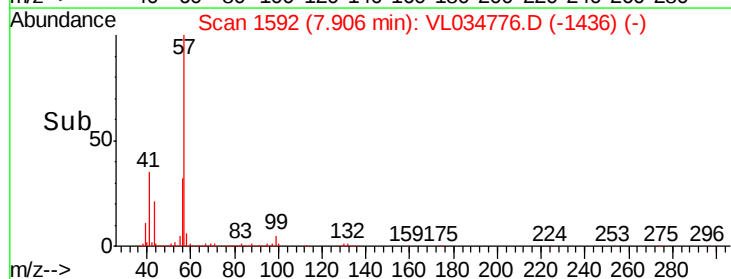
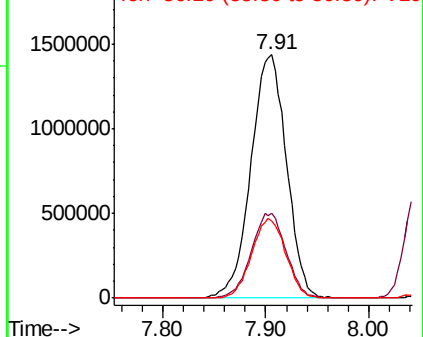


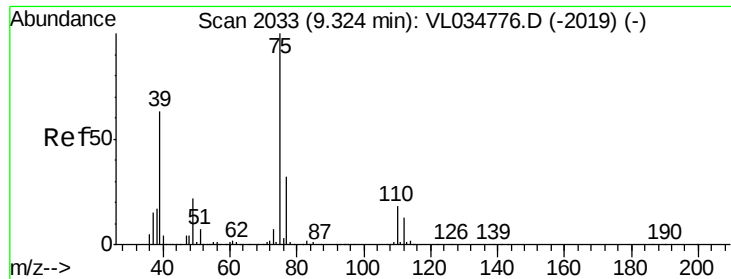
#44
2,2,4-Trimethylpentane
Concen: 9.559 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 57 Resp: 3433486
Ion Ratio Lower Upper
57 100
41 34.2 27.4 41.0
56 31.3 25.0 37.6



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

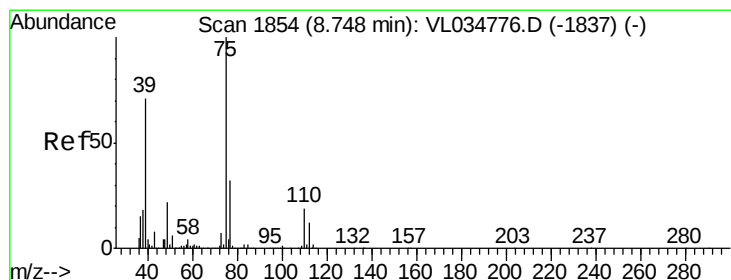
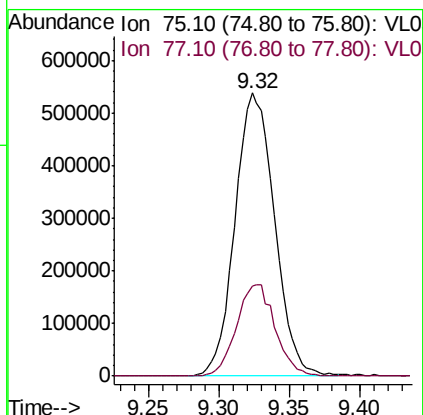
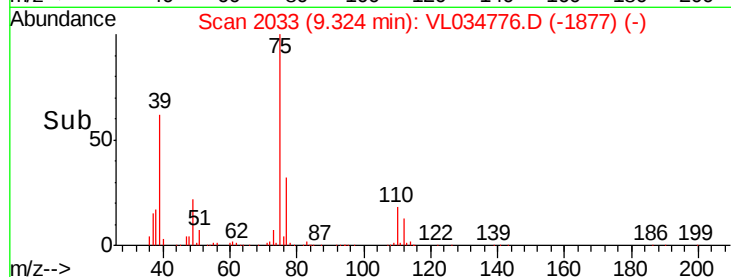
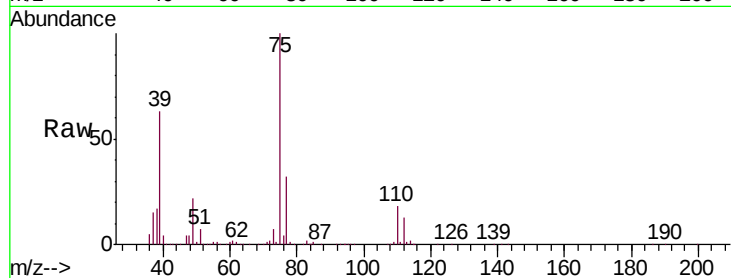




#45
 t-1,3-Dichloropropene
 Concen: 11.264 ppbv
 RT: 9.32 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

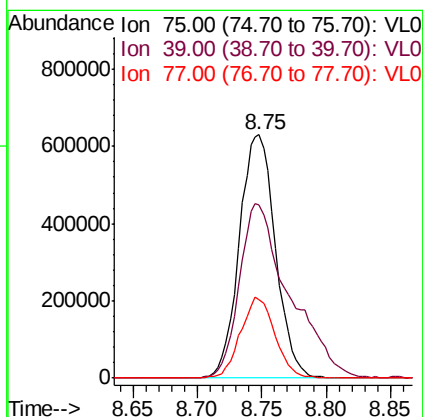
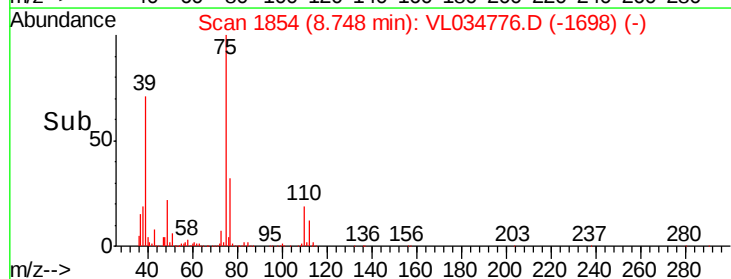
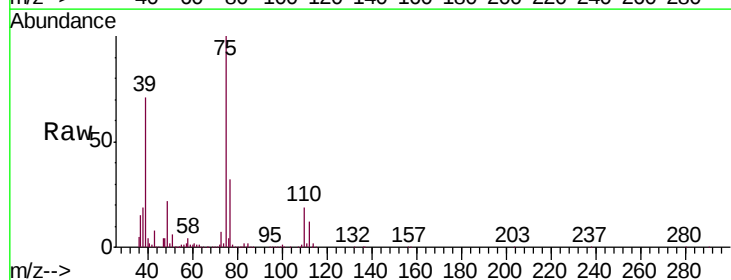
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

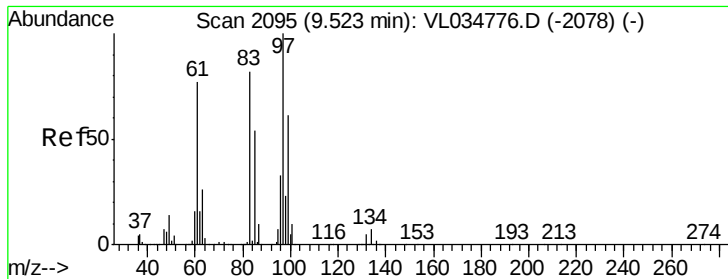
Tgt Ion: 75 Resp: 1055917
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.6 38.4



#46
 cis-1,3-Dichloropropene
 Concen: 10.891 ppbv
 RT: 8.75 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 75 Resp: 1227357
 Ion Ratio Lower Upper
 75 100
 39 71.1 56.9 85.3
 77 32.1 25.7 38.5

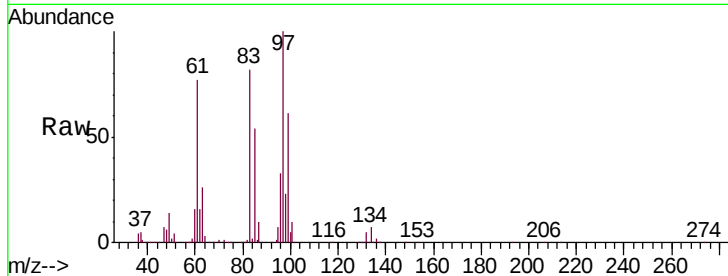




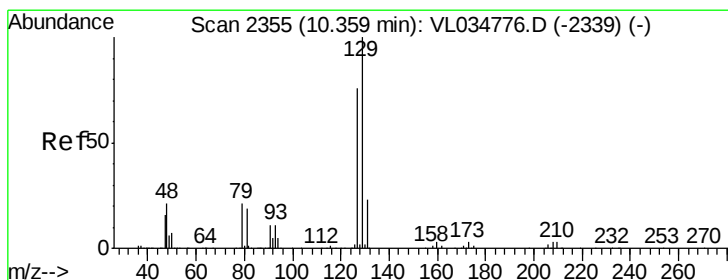
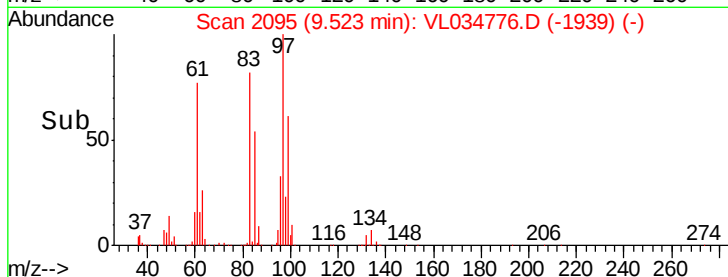
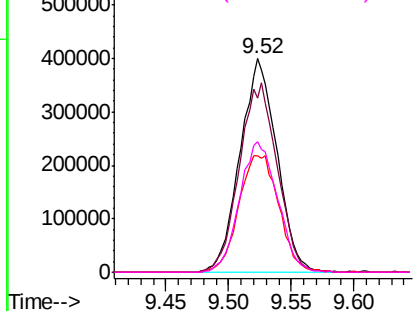
#47
 1,1,2-Trichloroethane
 Concen: 9.721 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 97 Resp: 817621
 Ion Ratio Lower Upper
 97 100
 83 81.5 65.2 97.8
 85 54.5 43.6 65.4
 99 61.1 48.9 73.3

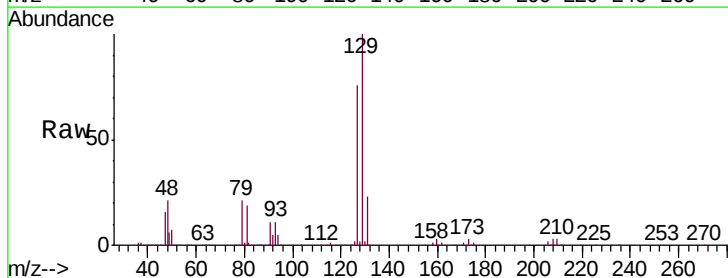


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

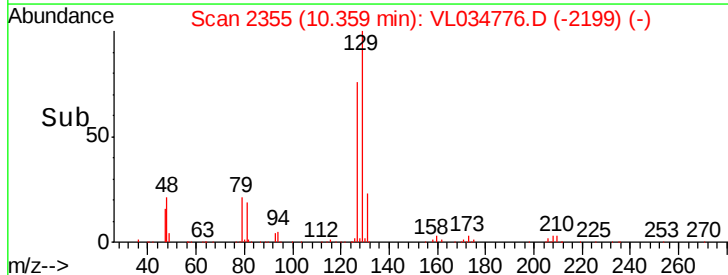
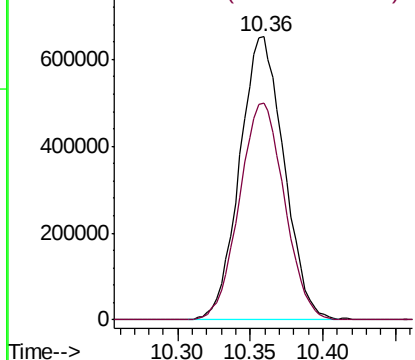


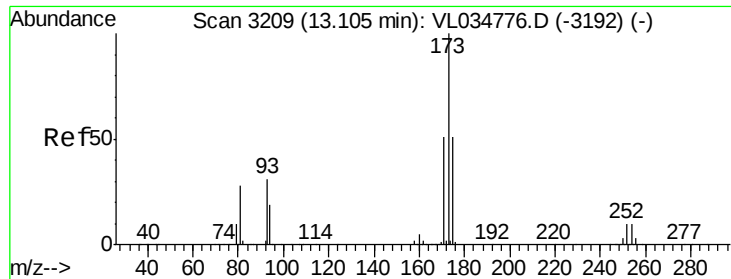
#48
 Dibromochloromethane
 Concen: 10.549 ppbv
 RT: 10.36 min Scan# 2355
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 129 Resp: 1385620
 Ion Ratio Lower Upper
 129 100
 127 78.0 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 10.799 ppbv

RT: 13.10 min Scan# 3209

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

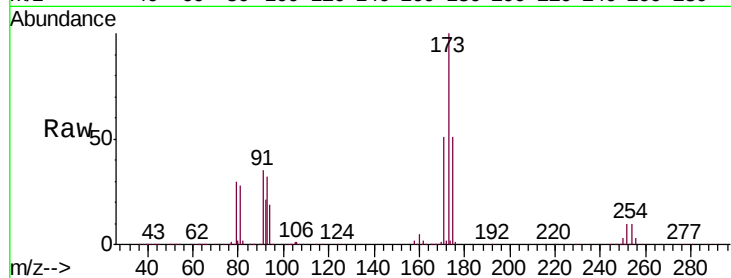
Tgt Ion:173 Resp: 1234869

Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.6

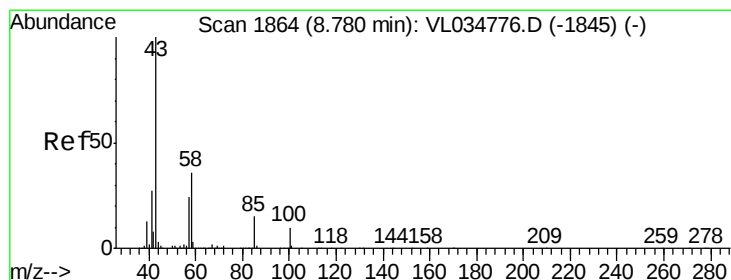
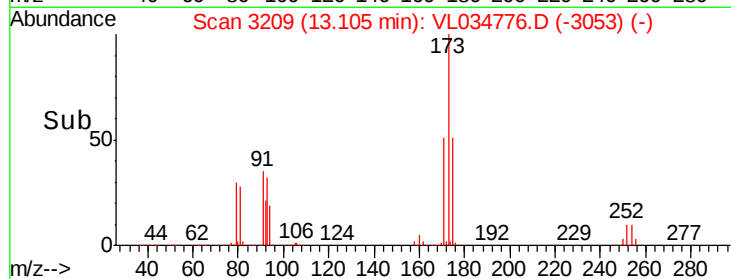
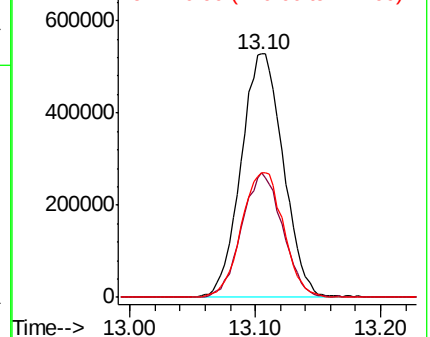
171 51.1 41.0 61.4



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: 10.398 ppbv

RT: 8.78 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VL034776.D

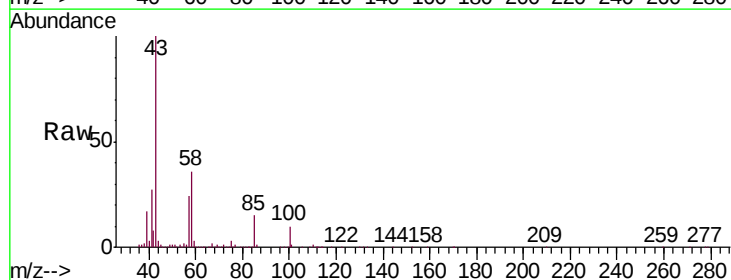
Acq: 4 Mar 2020 1:23

Tgt Ion: 43 Resp: 2220759

Ion Ratio Lower Upper

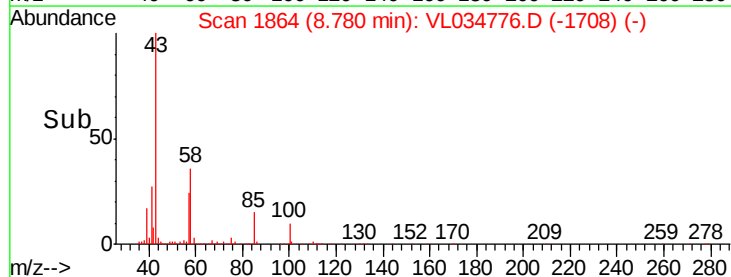
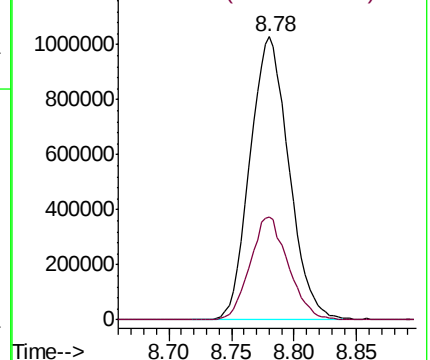
43 100

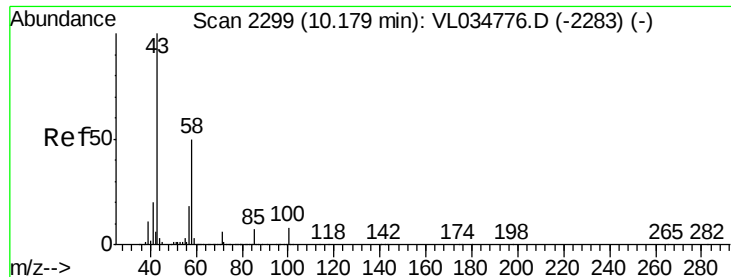
58 35.8 28.7 43.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

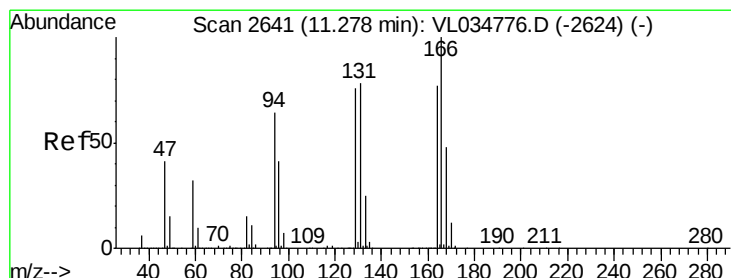
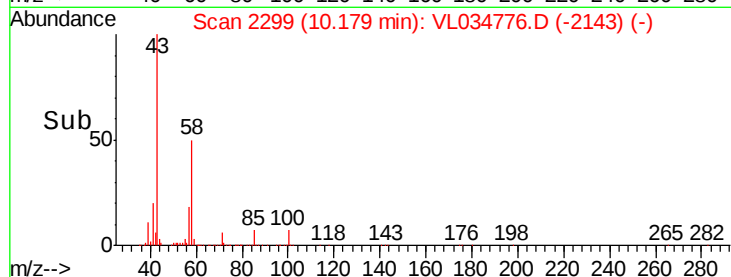
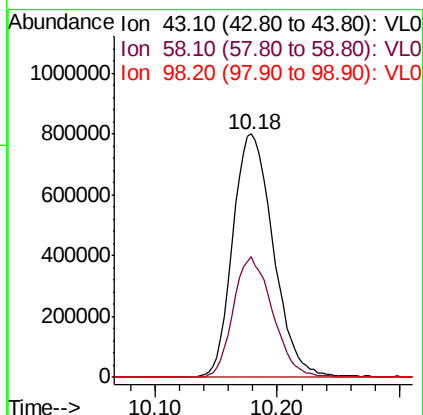
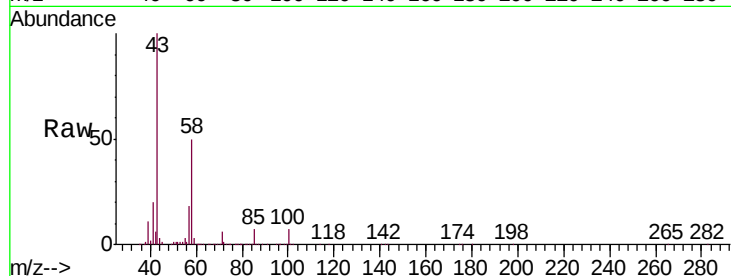




#51
2-Hexanone
Concen: 10.952 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

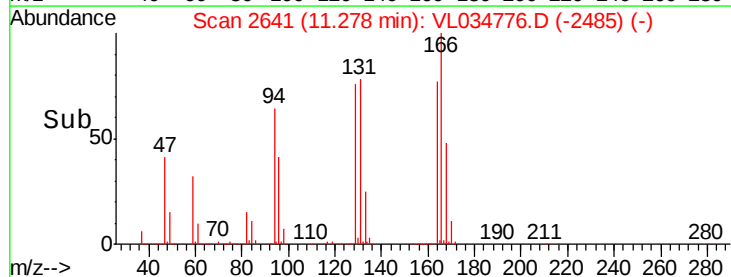
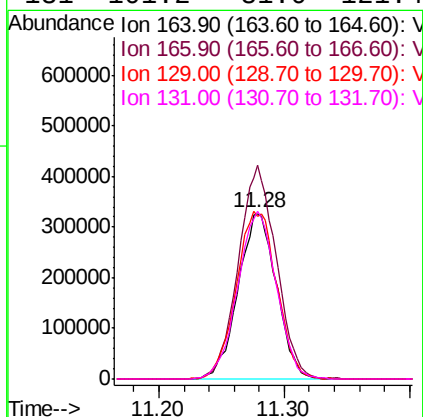
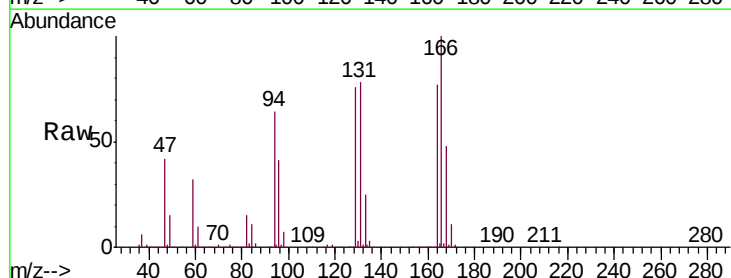
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

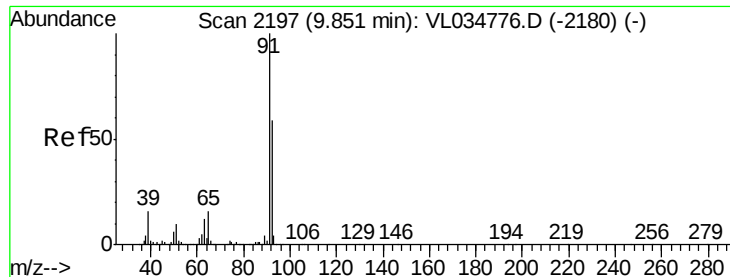
Tgt Ion: 43 Resp: 1842584
Ion Ratio Lower Upper
43 100
58 48.3 38.6 58.0
98 0.3 0.2 0.4



#52
Tetrachloroethene
Concen: 9.172 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 164 Resp: 694147
Ion Ratio Lower Upper
164 100
166 129.1 103.3 154.9
129 98.7 79.0 118.4
131 101.2 81.0 121.4





#53

Toluene

Concen: 10.330 ppbv

RT: 9.85 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

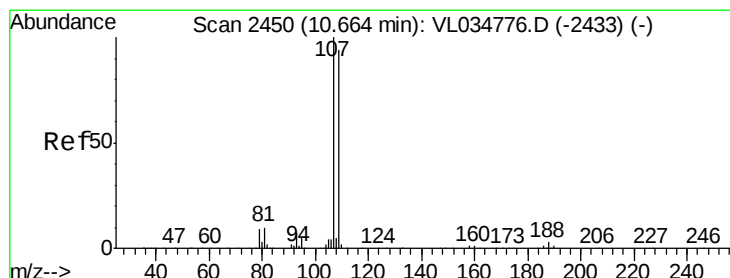
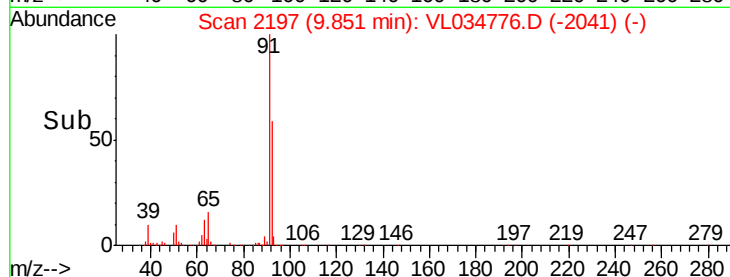
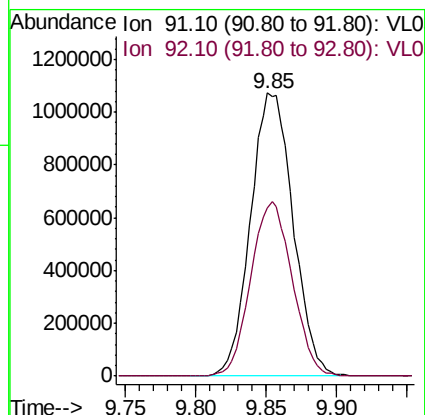
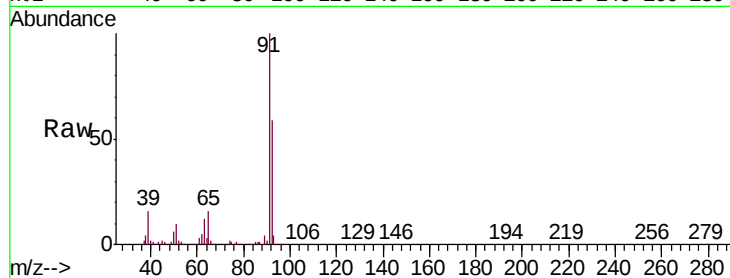
VSTDICCC010

Tgt Ion: 91 Resp: 2259807

Ion Ratio Lower Upper

91 100

92 60.2 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.995 ppbv

RT: 10.66 min Scan# 2450

Delta R.T. 0.00 min

Lab File: VL034776.D

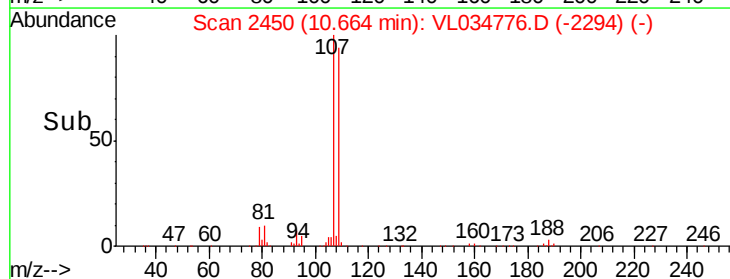
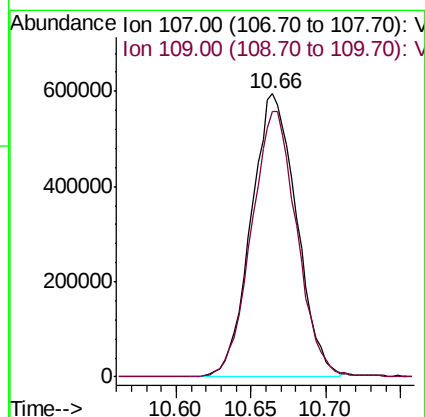
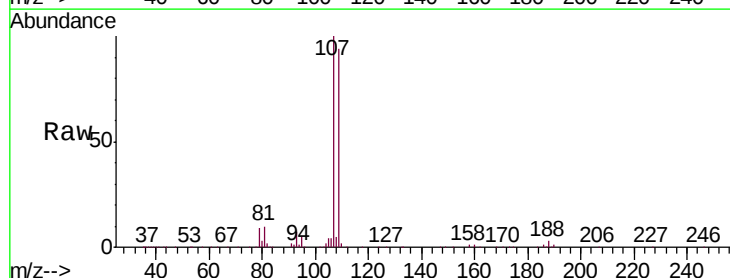
Acq: 4 Mar 2020 1:23

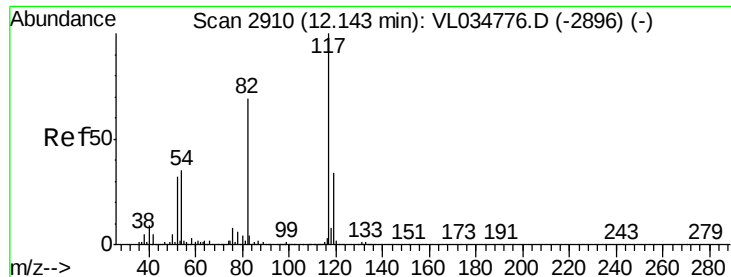
Tgt Ion: 107 Resp: 1255632

Ion Ratio Lower Upper

107 100

109 93.8 75.0 112.6

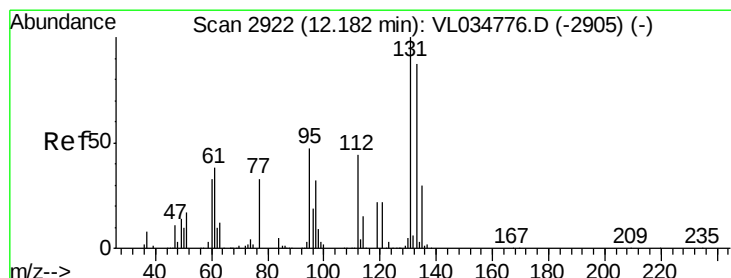
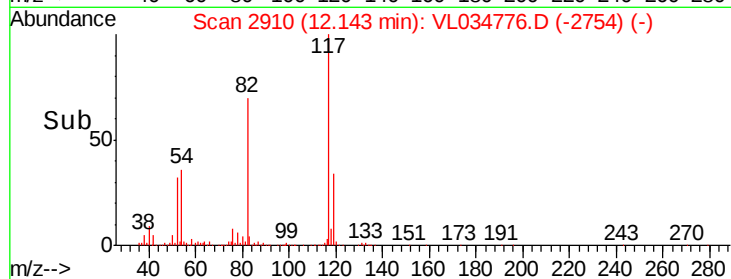
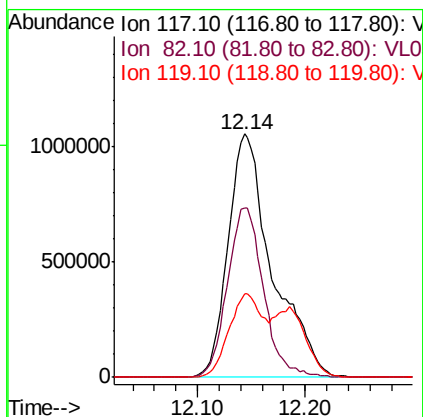
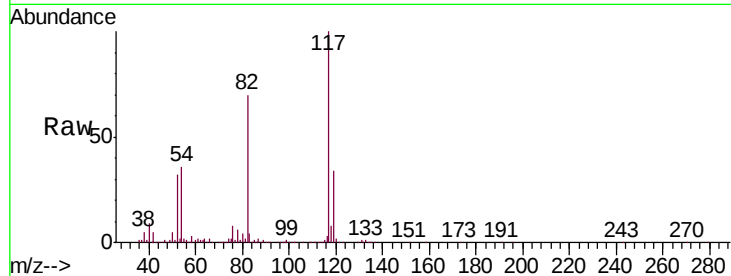




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

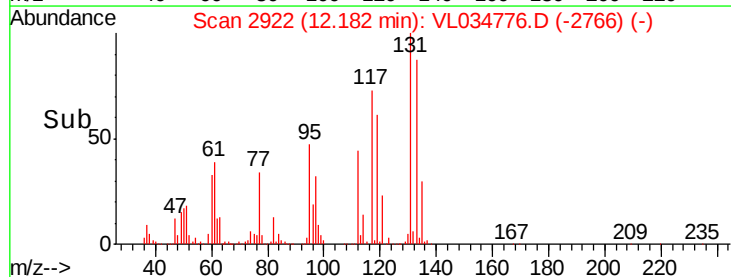
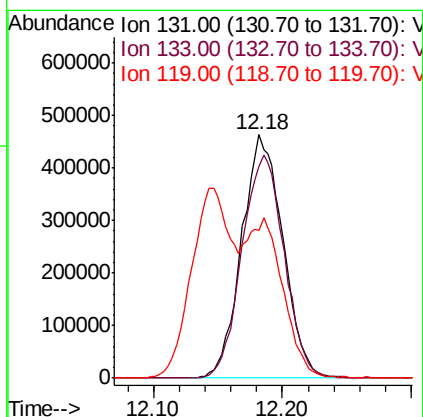
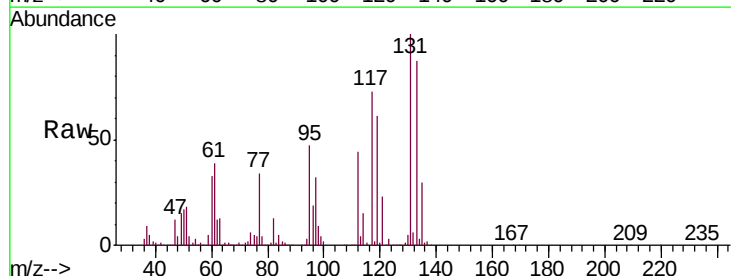
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

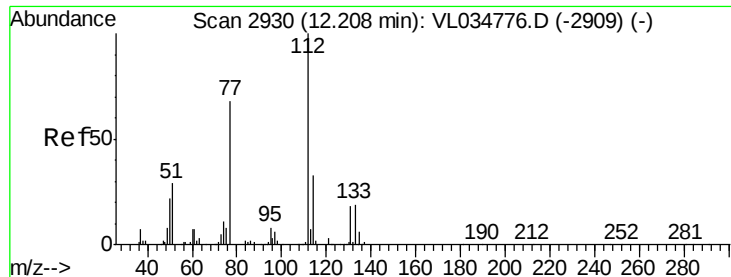
Tgt Ion:117 Resp: 2990599
Ion Ratio Lower Upper
117 100
82 57.3 53.9 80.9
119 47.6 25.0 37.4#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.025 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion:131 Resp: 1032096
Ion Ratio Lower Upper
131 100
133 94.2 75.4 113.0
119 138.1 110.5 165.7





#57

Chlorobenzene

Concen: 7.688 ppbv

RT: 12.21 min Scan# 2930

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

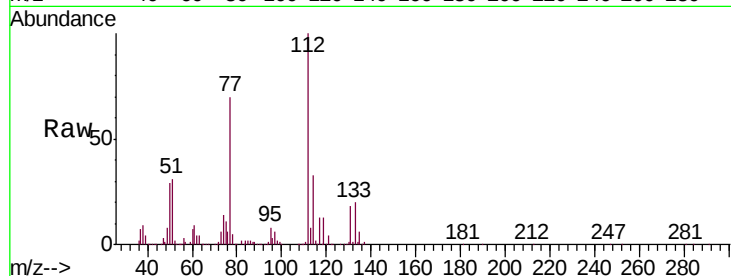
Tgt Ion: 112 Resp: 1701841

Ion Ratio Lower Upper

112 100

77 69.5 55.6 83.4

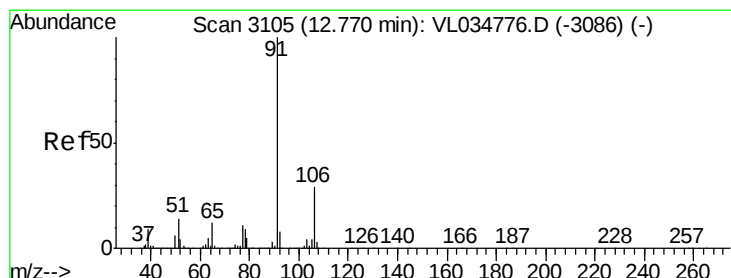
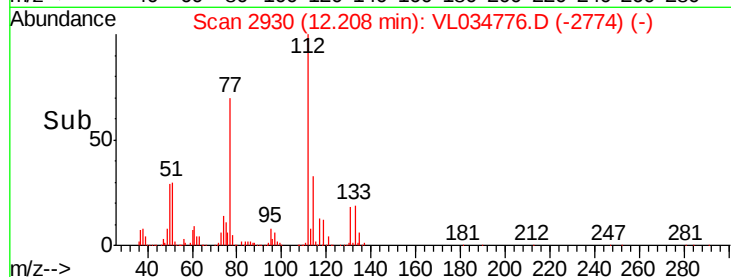
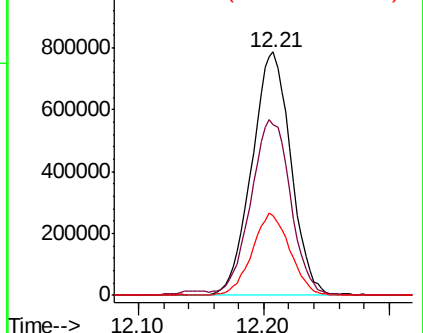
114 32.7 29.4 36.0



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: 8.533 ppbv

RT: 12.77 min Scan# 3105

Delta R.T. 0.00 min

Lab File: VL034776.D

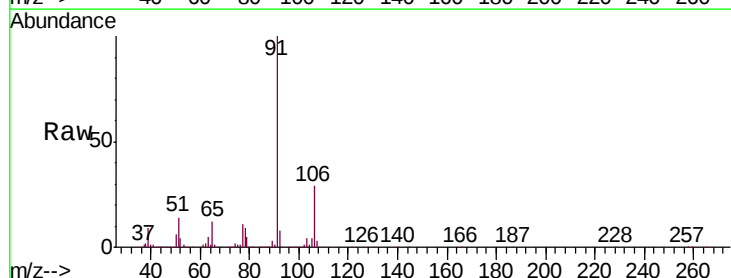
Acq: 4 Mar 2020 1:23

Tgt Ion: 91 Resp: 3102641

Ion Ratio Lower Upper

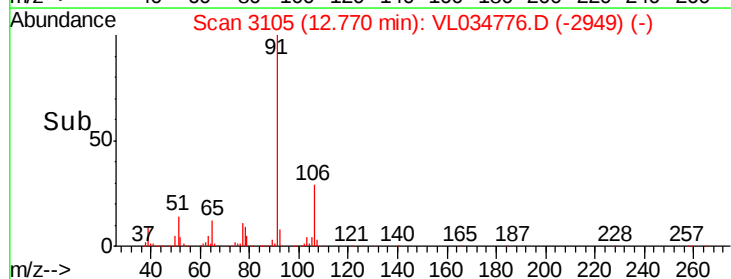
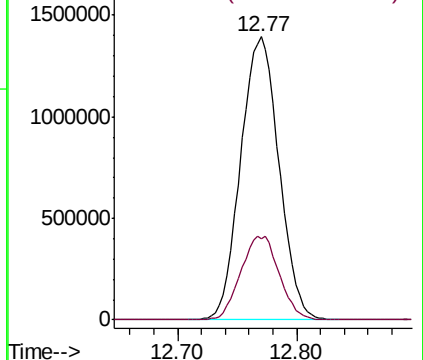
91 100

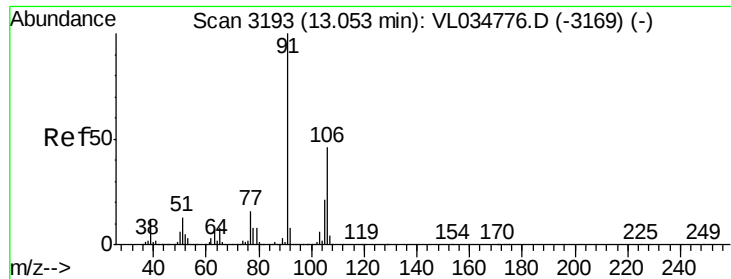
106 28.5 22.8 34.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

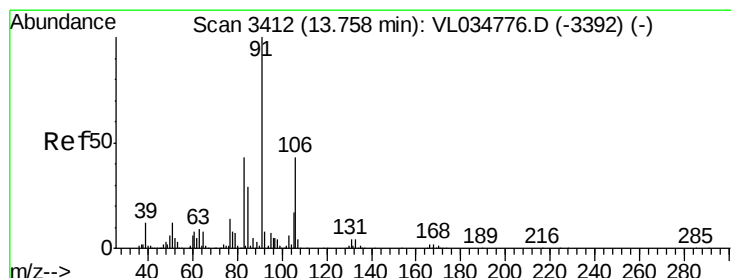
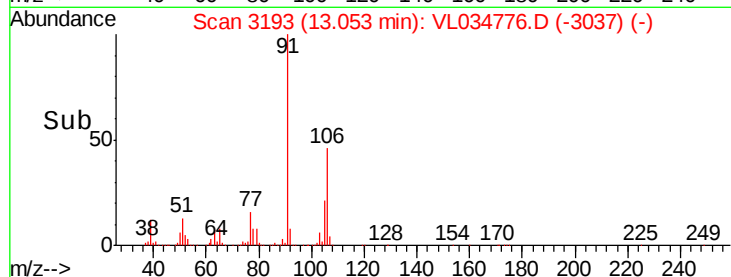
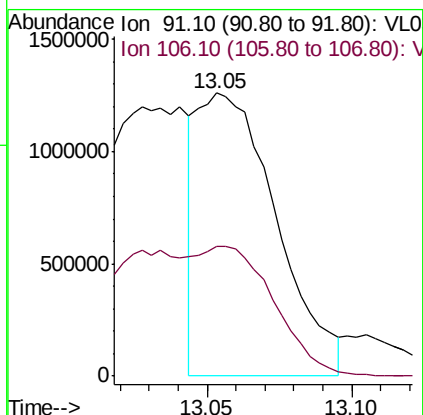
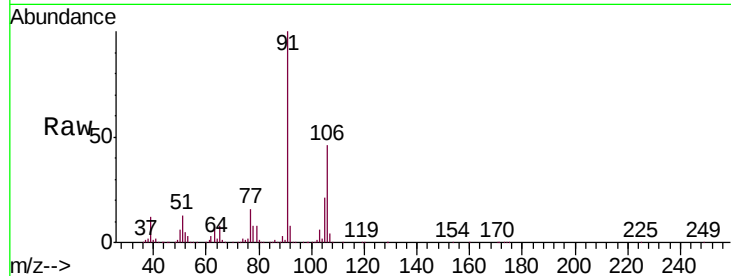




#59
m/p-Xylene
Concen: 7.507 ppbv
RT: 13.05 min Scan# 3193
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

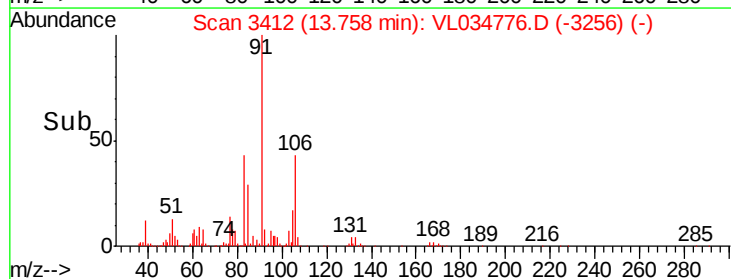
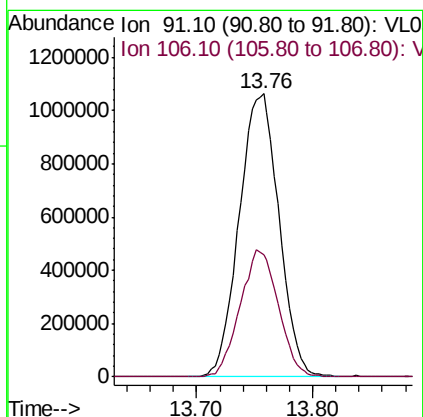
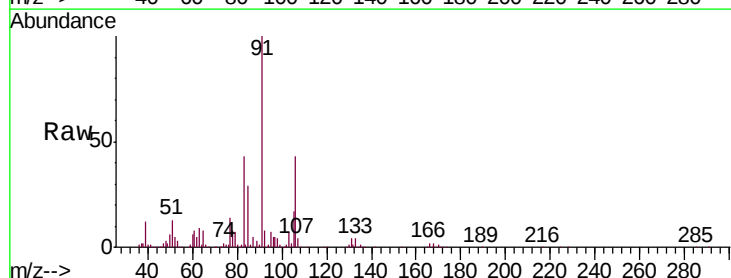
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

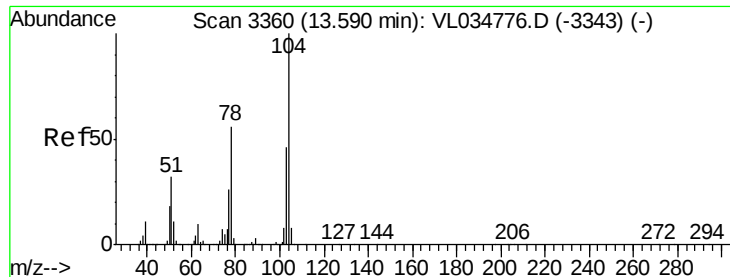
Tgt Ion: 91 Resp: 2368995
Ion Ratio Lower Upper
91 100
106 95.8 35.8 53.8#



#60
o-Xylene
Concen: 8.046 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 91 Resp: 2530647
Ion Ratio Lower Upper
91 100
106 43.5 21.7 65.1

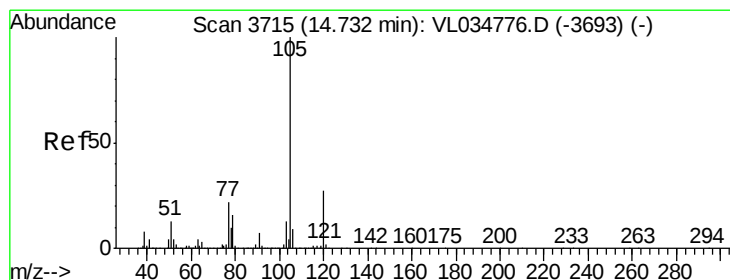
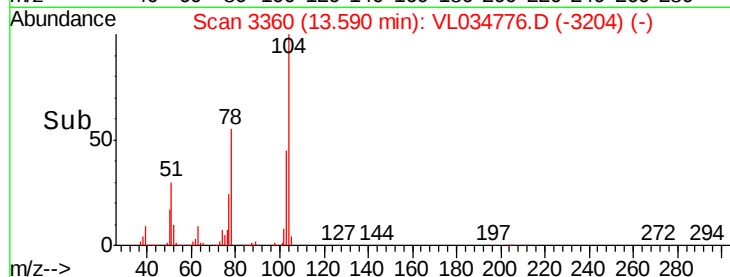
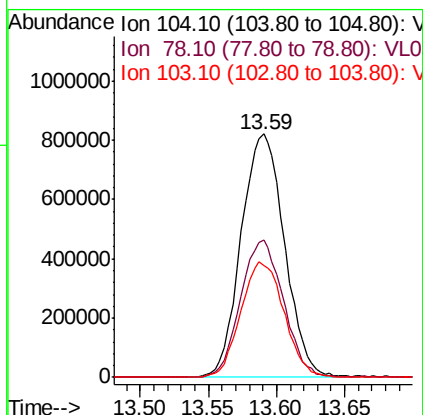
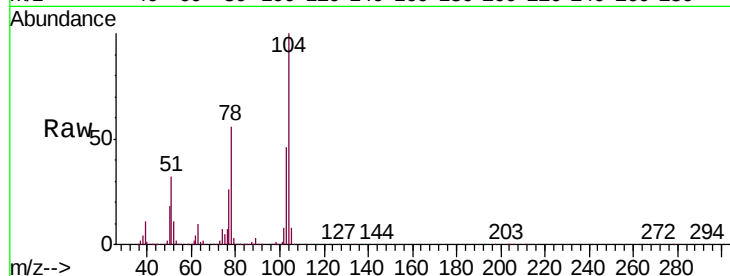




#61
Styrene
Concen: 9.001 ppbv
RT: 13.59 min Scan# 3360
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

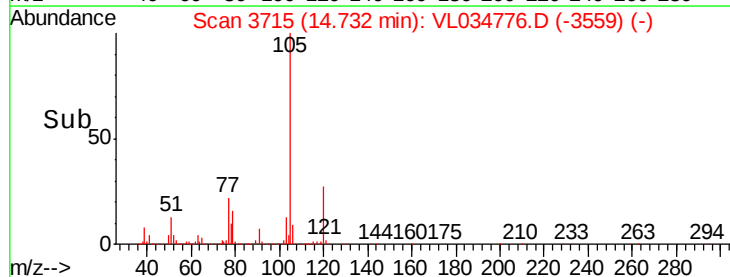
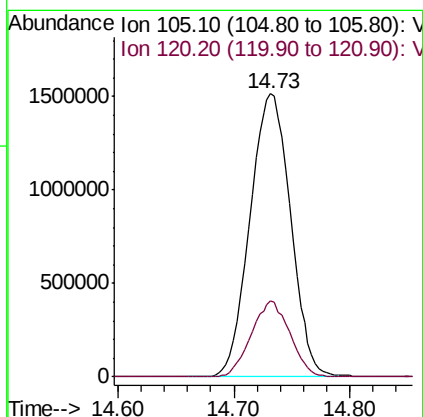
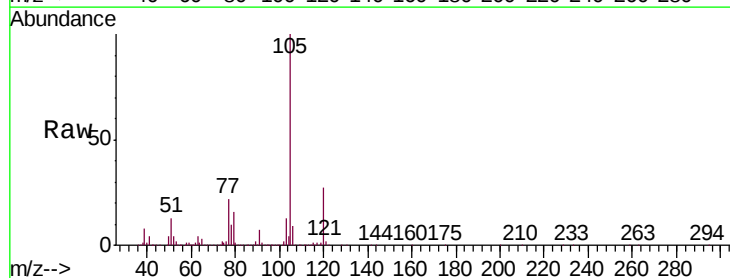
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

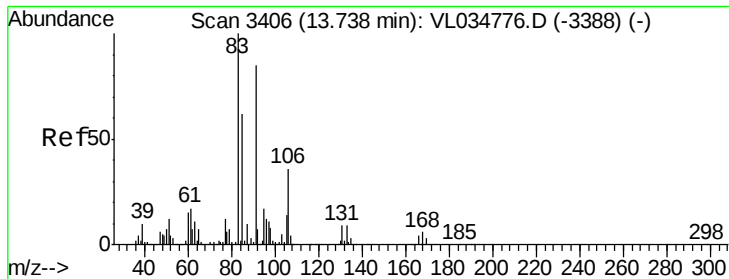
Tgt Ion:104 Resp: 1812232
Ion Ratio Lower Upper
104 100
78 56.1 44.7 67.1
103 47.9 38.2 57.2



#62
Isopropylbenzene
Concen: 8.037 ppbv
RT: 14.73 min Scan# 3715
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion:105 Resp: 3687905
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7

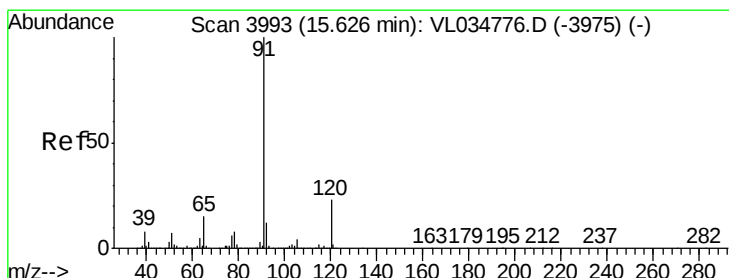
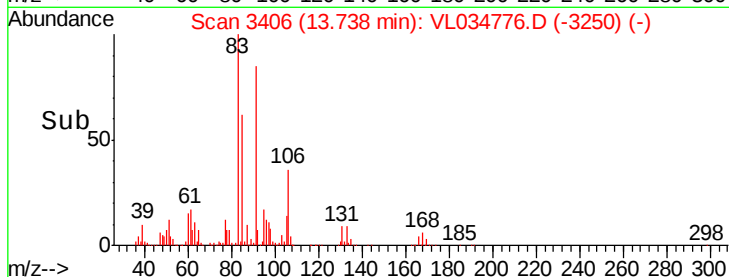
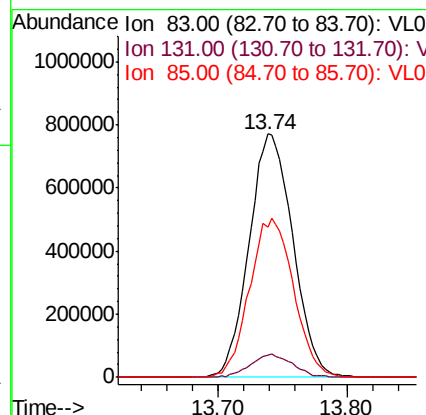
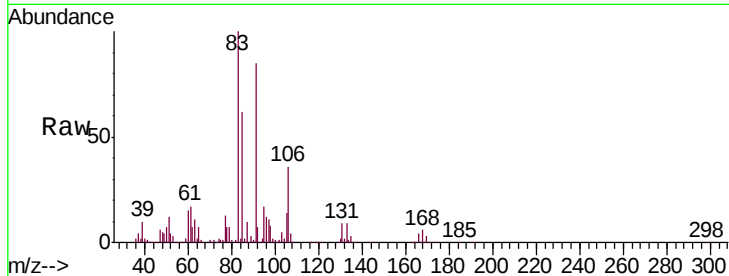




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.437 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

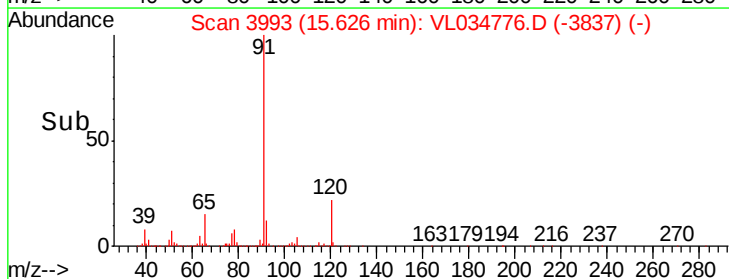
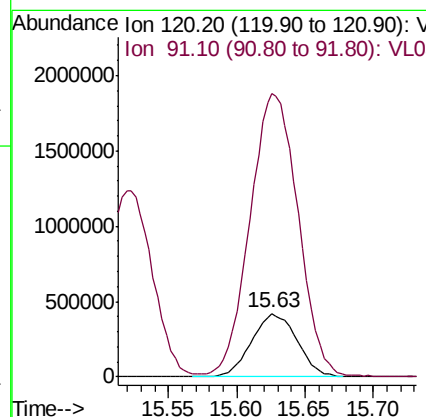
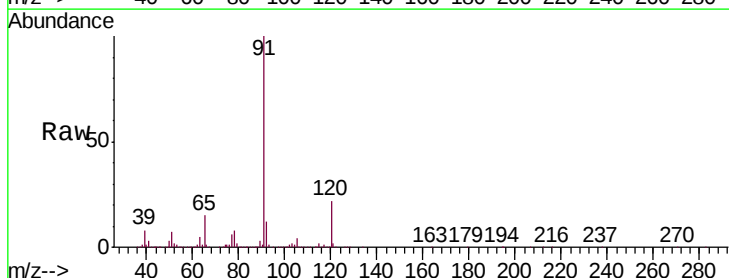
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

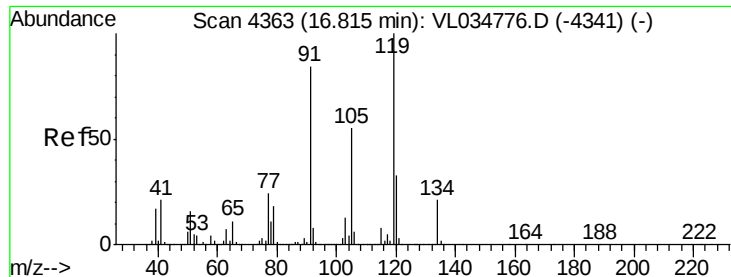
Tgt Ion: 83 Resp: 1822699
 Ion Ratio Lower Upper
 83 100
 131 9.3 4.7 14.0
 85 65.9 32.9 98.7



#64
 n-propylbenzene
 Concen: 8.243 ppbv
 RT: 15.63 min Scan# 3993
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 120 Resp: 974289
 Ion Ratio Lower Upper
 120 100
 91 473.8 379.4 569.2

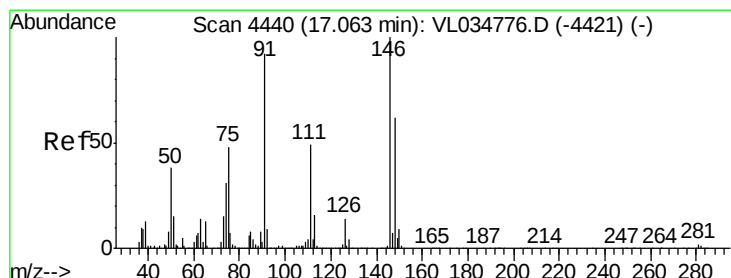
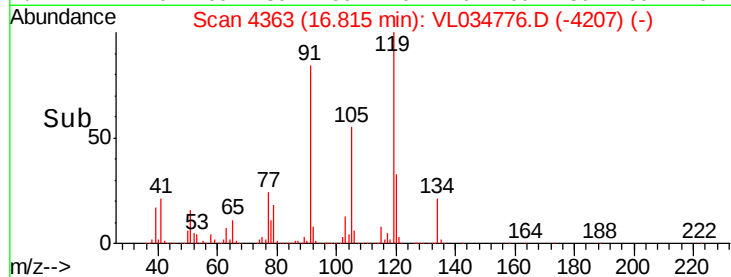
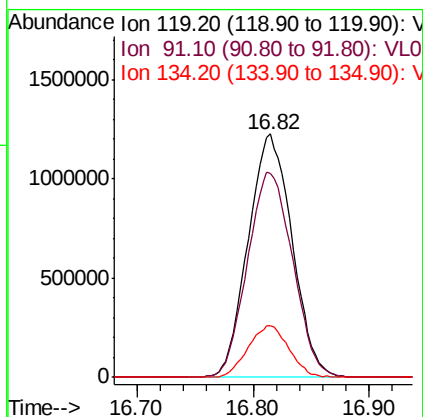
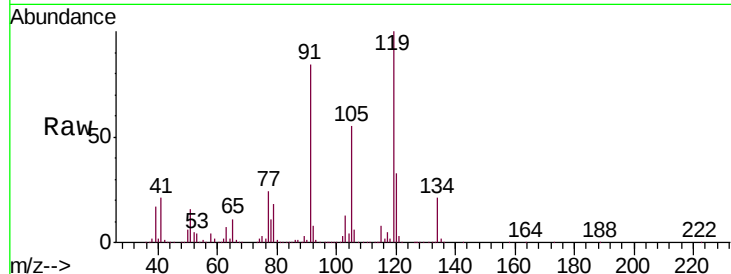




#65
tert-Butylbenzene
Concen: 8.121 ppbv
RT: 16.82 min Scan# 4363
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

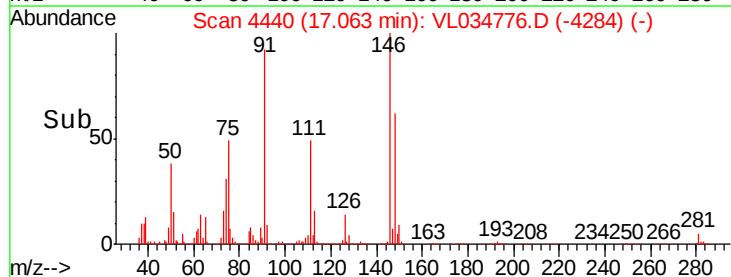
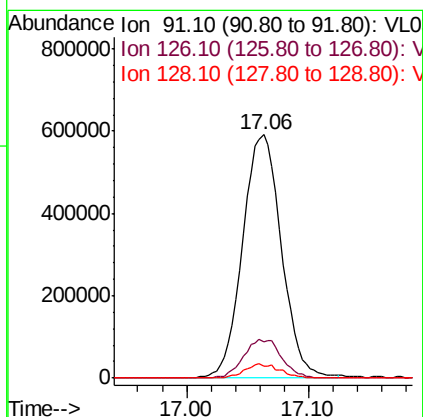
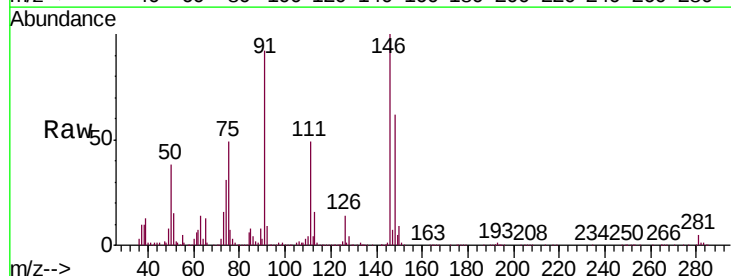
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

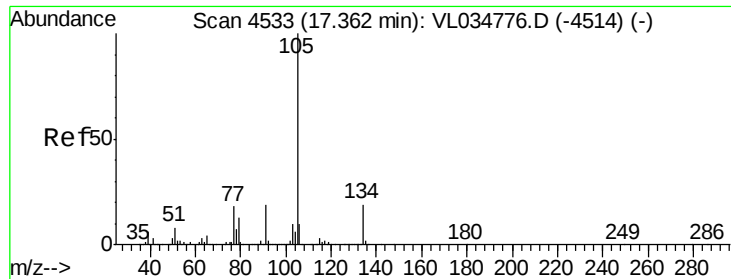
Tgt Ion: 119 Resp: 3224836
Ion Ratio Lower Upper
119 100
91 87.2 69.8 104.6
134 19.9 15.9 23.9



#66
Benzyl Chloride
Concen: 9.013 ppbv
RT: 17.06 min Scan# 4440
Delta R.T. 0.00 min
Lab File: VL034776.D
Acq: 4 Mar 2020 1:23

Tgt Ion: 91 Resp: 1297856
Ion Ratio Lower Upper
91 100
126 15.7 12.6 18.8
128 5.4 4.3 6.5

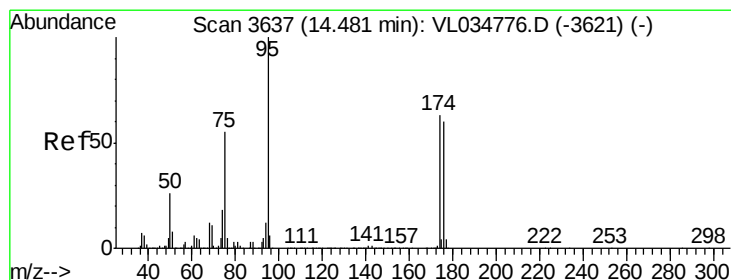
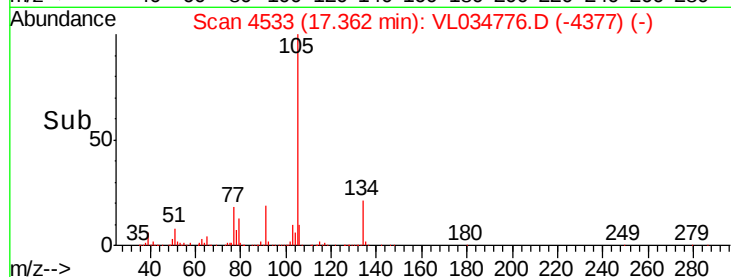
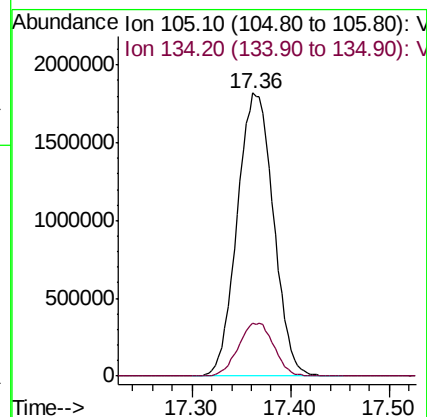
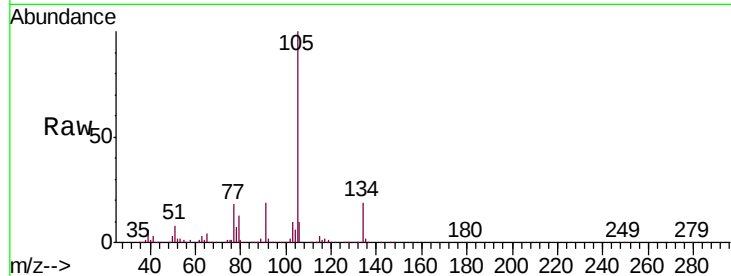




#67
 sec-Butylbenzene
 Concen: 8.101 ppbv
 RT: 17.36 min Scan# 4533
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

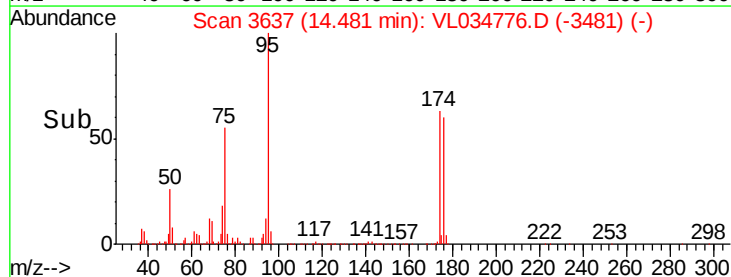
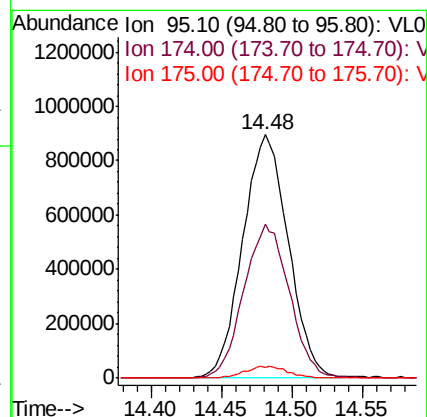
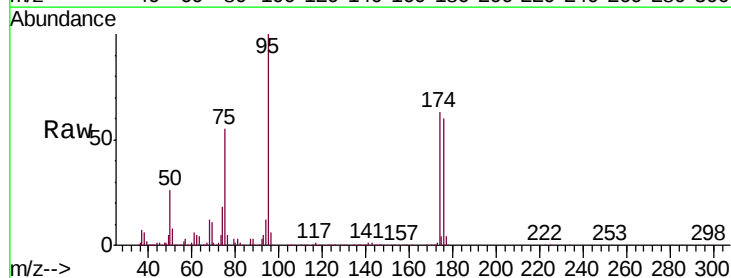
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

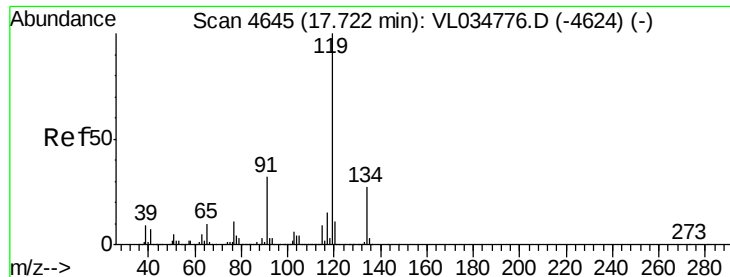
Tgt Ion: 105 Resp: 4637776
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.7 22.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.241 ppbv
 RT: 14.48 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 95 Resp: 2020954
 Ion Ratio Lower Upper
 95 100
 174 63.1 50.6 76.0
 175 4.7 3.8 5.6

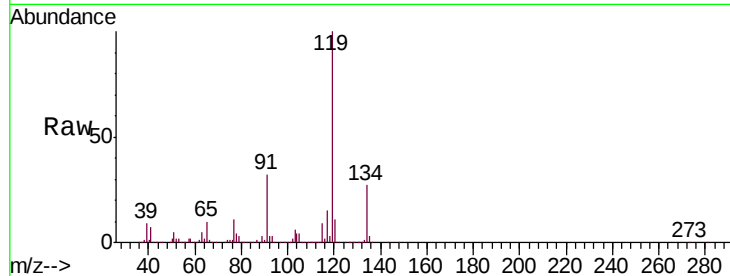




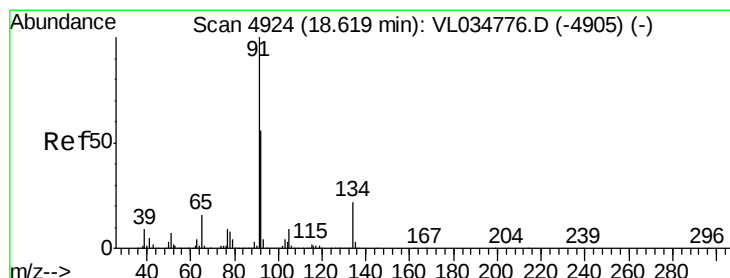
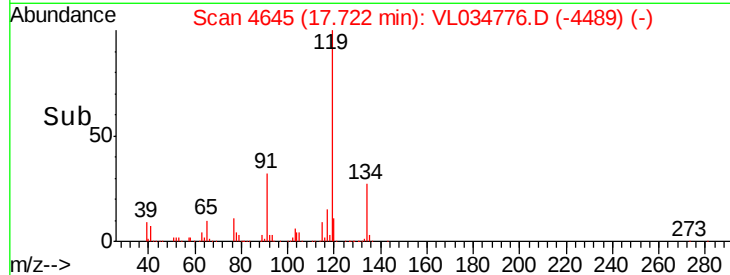
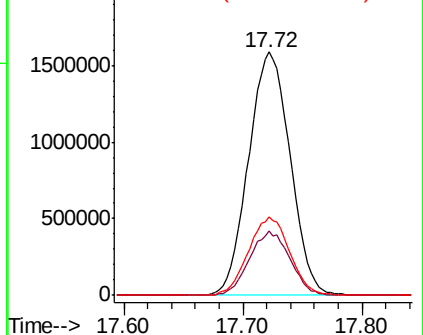
#69
 p-Isopropyltoluene
 Concen: 8.163 ppbv
 RT: 17.72 min Scan# 4645
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 119 Resp: 3847263
 Ion Ratio Lower Upper
 119 100
 134 25.7 20.6 30.8
 91 31.8 25.3 37.9

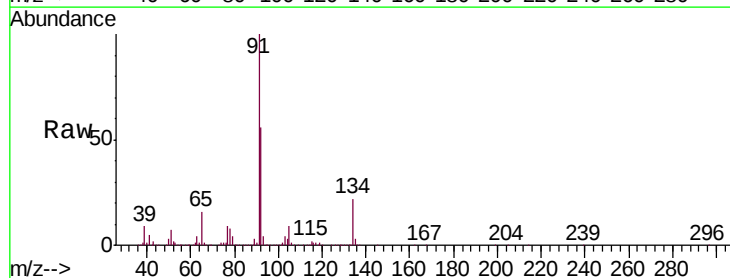


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

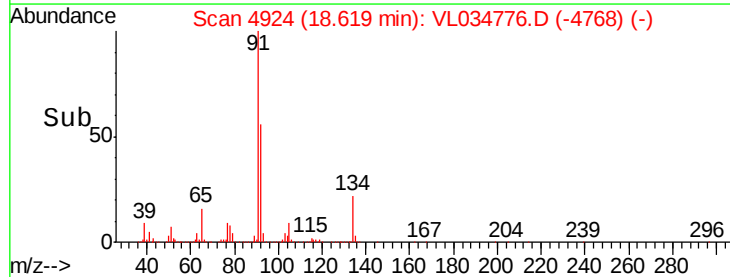
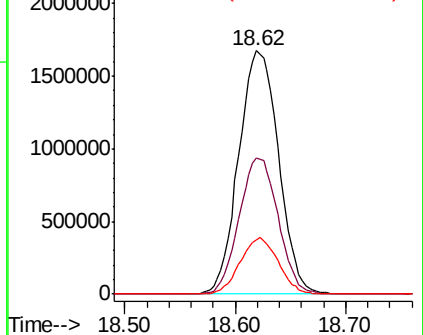


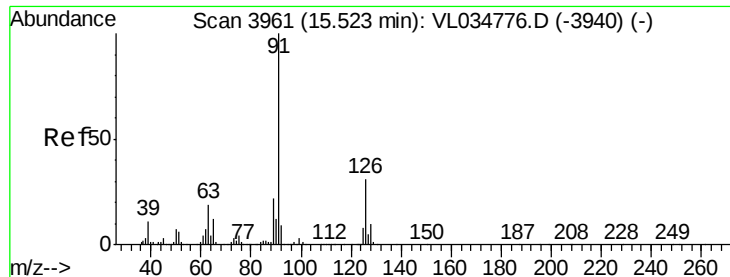
#70
 n-Butylbenzene
 Concen: 8.154 ppbv
 RT: 18.62 min Scan# 4924
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion: 91 Resp: 4190053
 Ion Ratio Lower Upper
 91 100
 92 55.0 44.0 66.0
 134 22.1 17.7 26.5



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: 8.289 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

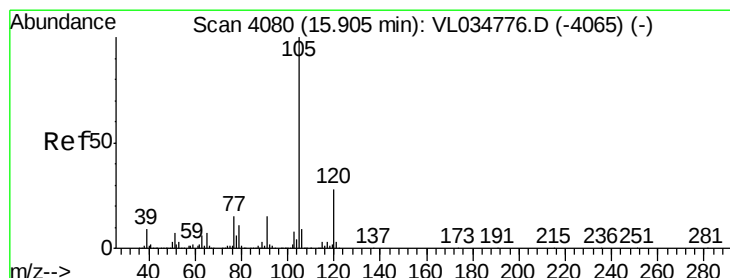
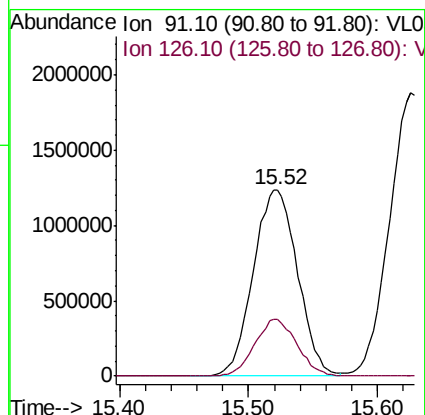
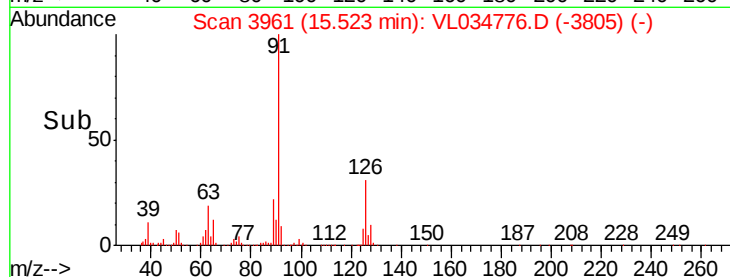
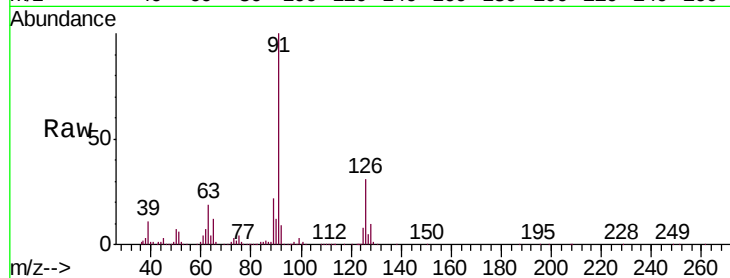
VSTDICCC010

Tgt Ion: 91 Resp: 2953433

Ion Ratio Lower Upper

91 100

126 29.2 11.7 46.7



#72

4-Ethyltoluene

Concen: 8.515 ppbv

RT: 15.91 min Scan# 4080

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Tgt Ion: 105 Resp: 2987363

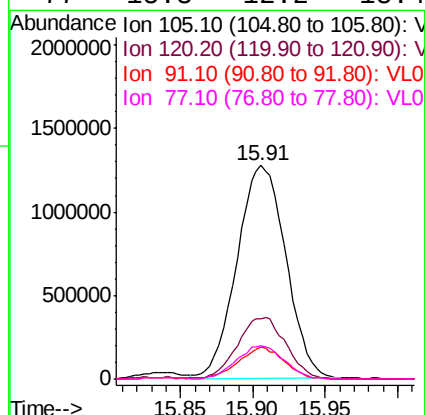
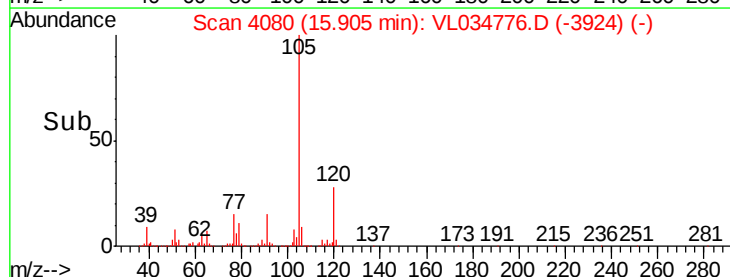
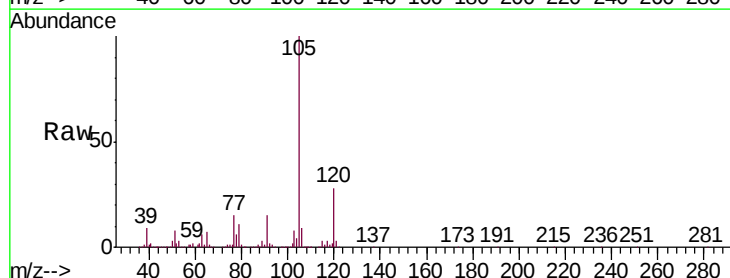
Ion Ratio Lower Upper

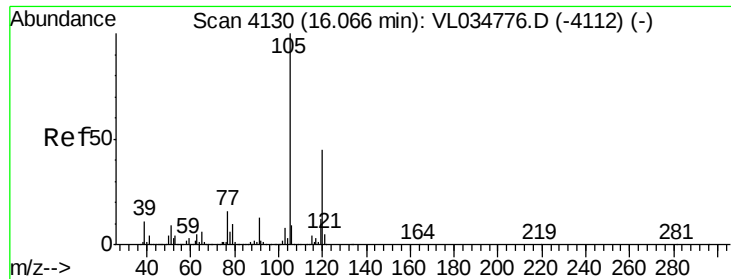
105 100

120 28.8 23.0 34.6

91 13.9 11.1 16.7

77 15.3 12.2 18.4

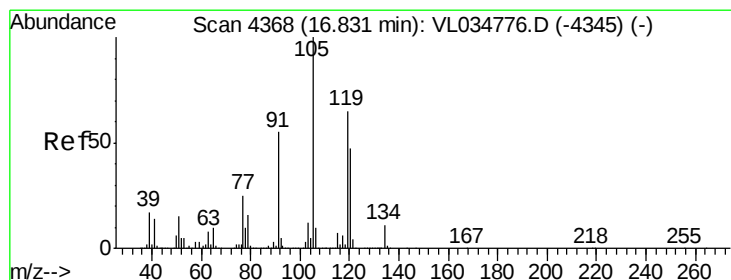
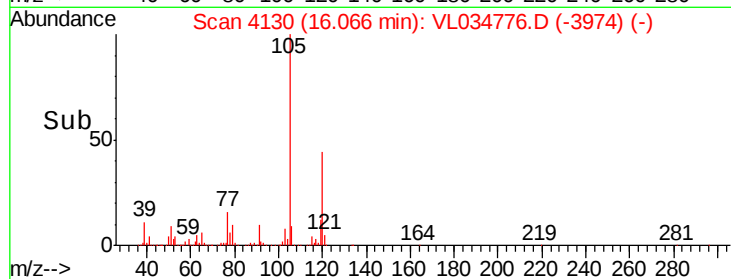
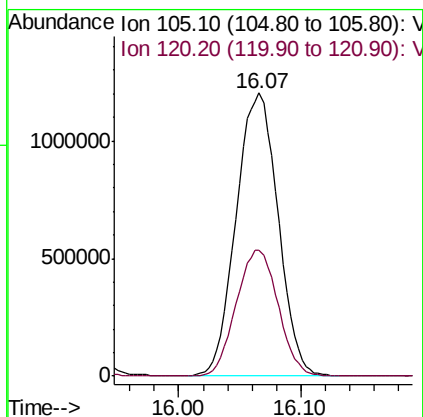
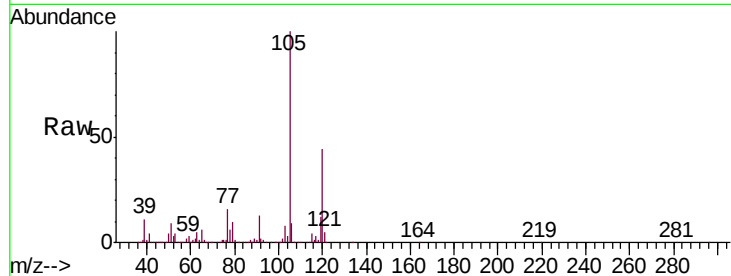




#73
 1,3,5-Trimethylbenzene
 Concen: 8.412 ppbv
 RT: 16.07 min Scan# 4130
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

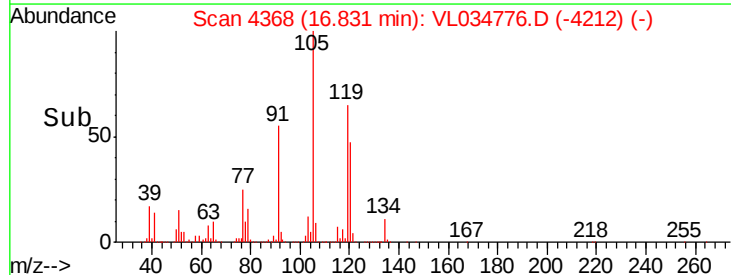
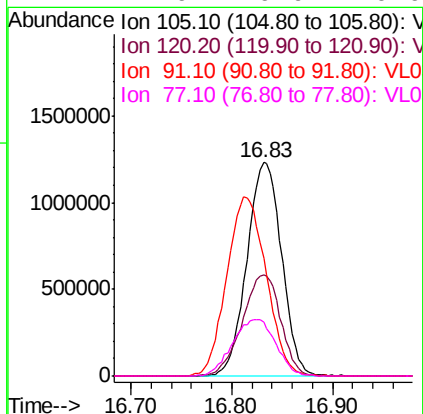
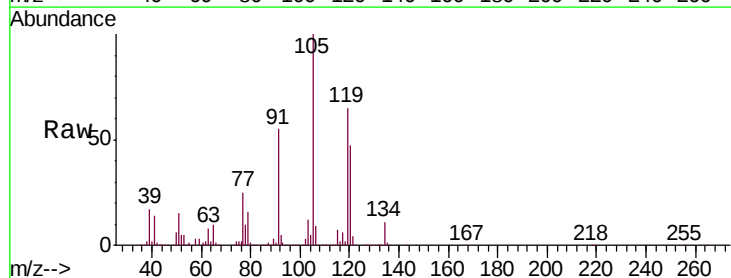
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

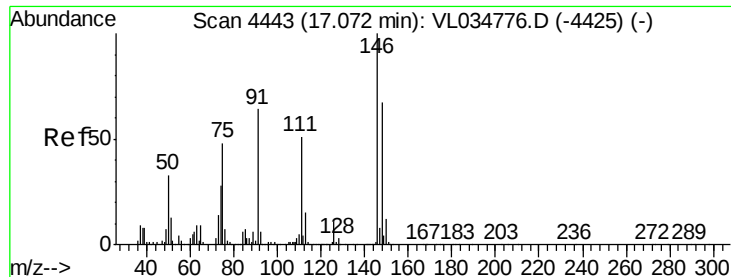
Tgt Ion:105 Resp: 2843906
 Ion Ratio Lower Upper
 105 100
 120 44.5 35.6 53.4



#74
 1,2,4-Trimethylbenzene
 Concen: 7.857 ppbv
 RT: 16.83 min Scan# 4368
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Tgt Ion:105 Resp: 2936150
 Ion Ratio Lower Upper
 105 100
 120 47.2 37.8 56.6
 91 54.8 43.8 65.8
 77 24.9 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 7.818 ppbv

RT: 17.07 min Scan# 4443

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

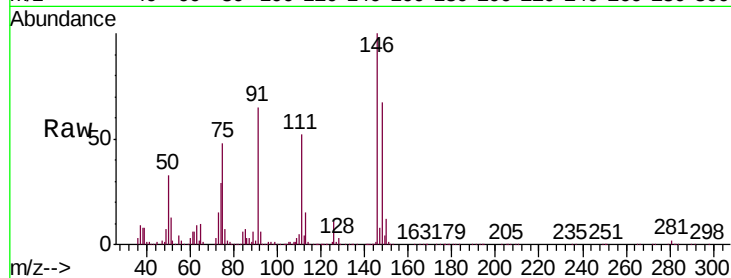
Tgt Ion:146 Resp: 1685971

Ion Ratio Lower Upper

146 100

111 49.4 24.7 74.1

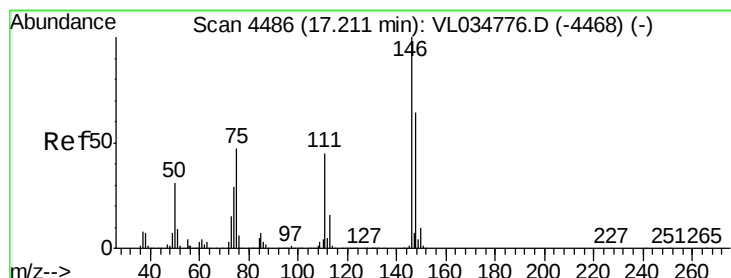
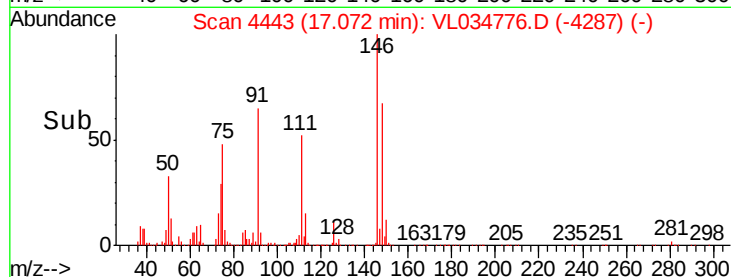
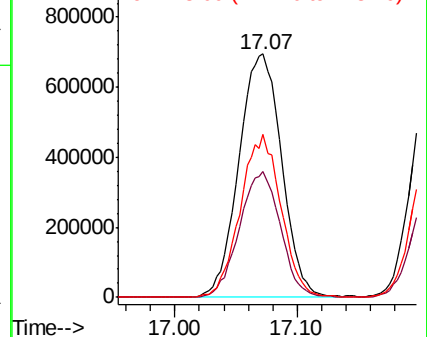
148 63.6 31.8 95.4



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: 7.878 ppbv

RT: 17.21 min Scan# 4486

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

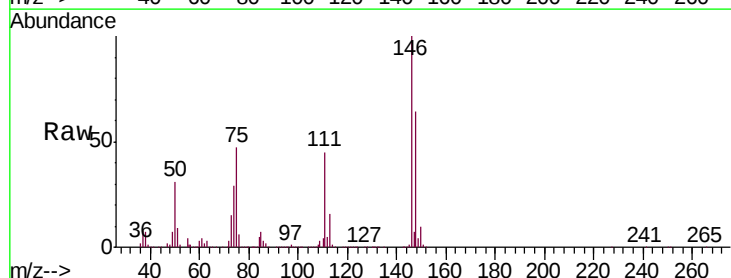
Tgt Ion:146 Resp: 1695548

Ion Ratio Lower Upper

146 100

111 47.0 23.5 70.5

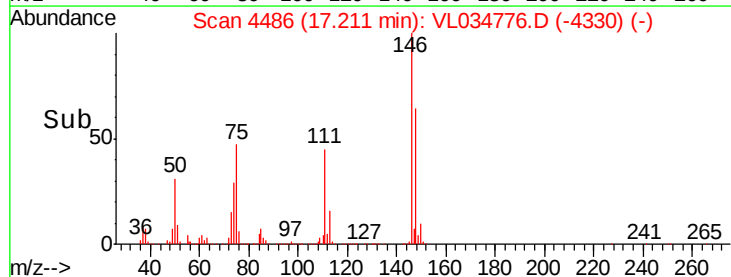
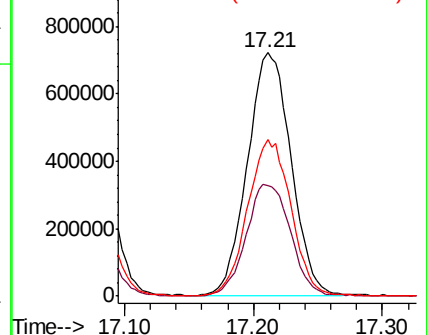
148 64.4 32.2 96.6

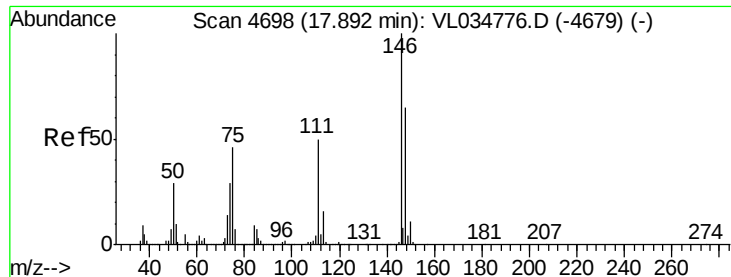


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 7.874 ppbv

RT: 17.89 min Scan# 4698

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

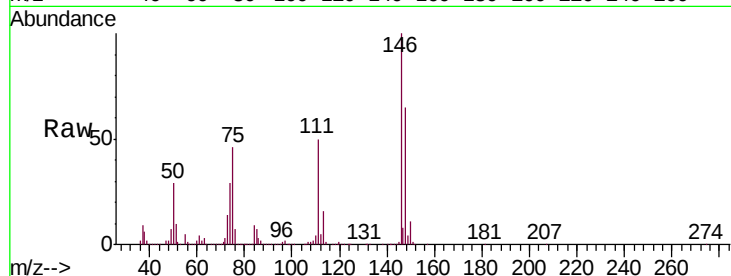
Tgt Ion:146 Resp: 1640347

Ion Ratio Lower Upper

146 100

111 50.5 25.3 75.8

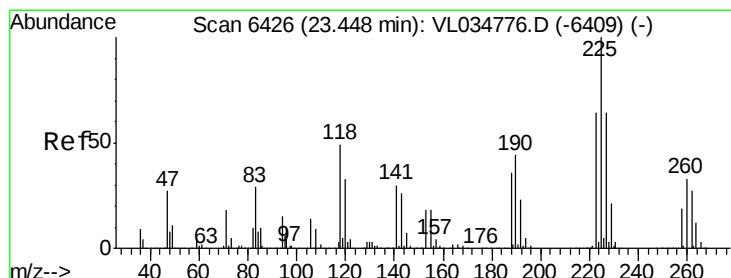
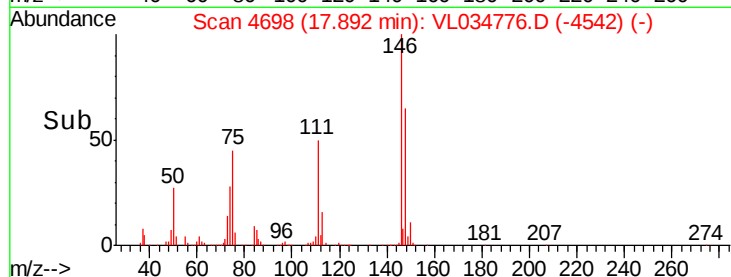
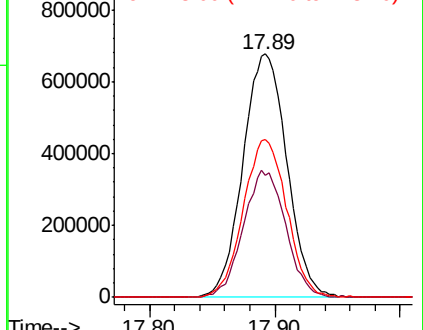
148 64.6 32.3 96.9



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: 7.070 ppbv

RT: 23.45 min Scan# 6426

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

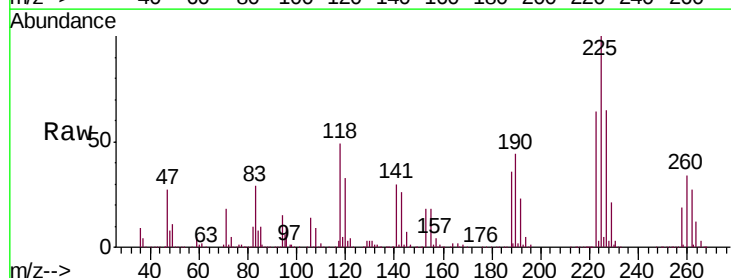
Tgt Ion:225 Resp: 1268903

Ion Ratio Lower Upper

225 100

223 64.1 51.3 76.9

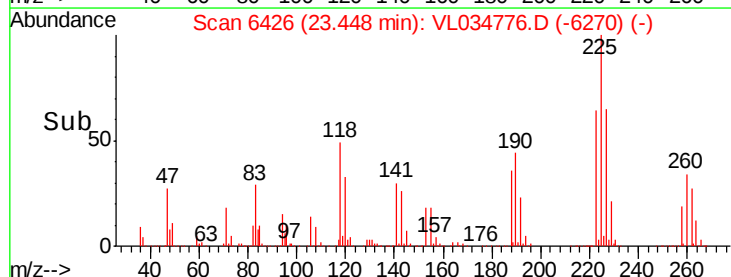
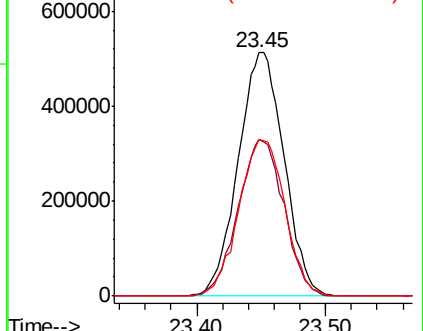
227 64.9 51.9 77.9

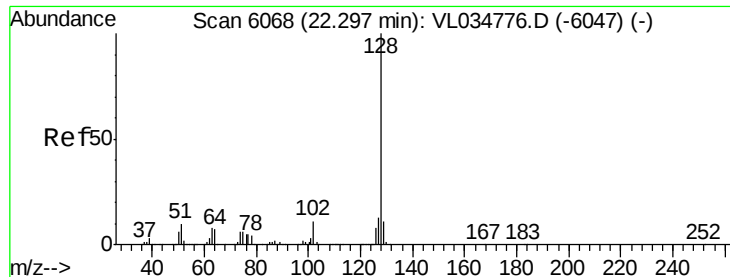


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 8.621 ppbv

RT: 22.30 min Scan# 6068

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

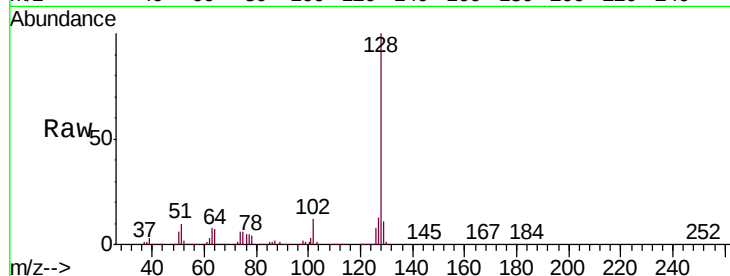
Tgt Ion:128 Resp: 2839387

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

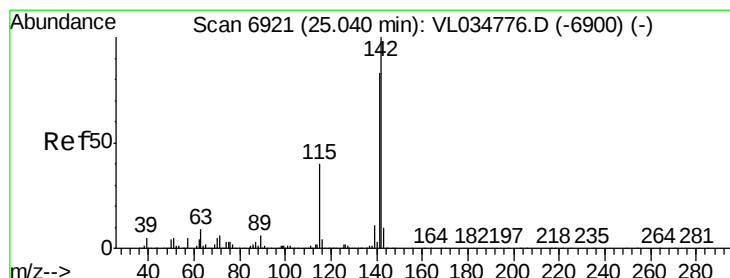
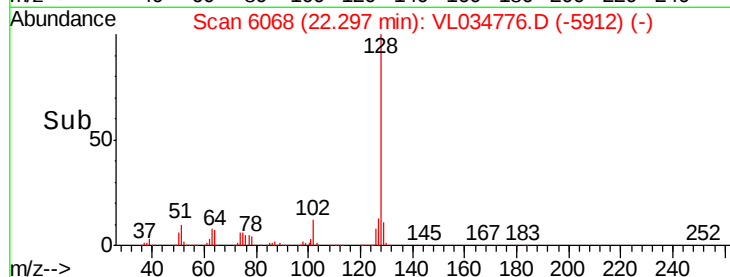
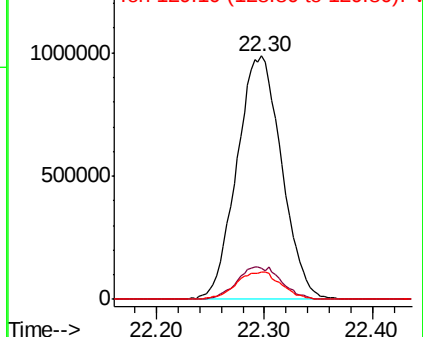
129 11.3 9.0 13.6



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: 7.645 ppbv

RT: 25.04 min Scan# 6921

Delta R.T. 0.00 min

Lab File: VL034776.D

Acq: 4 Mar 2020 1:23

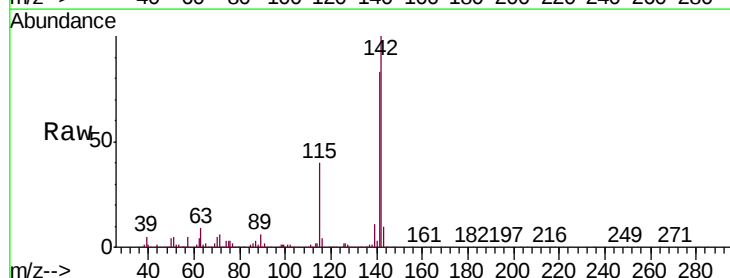
Tgt Ion:142 Resp: 776591

Ion Ratio Lower Upper

142 100

141 84.6 67.7 101.5

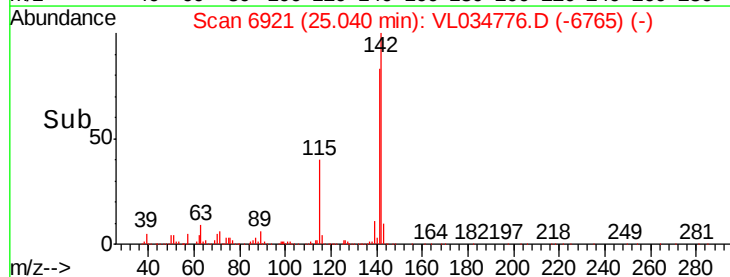
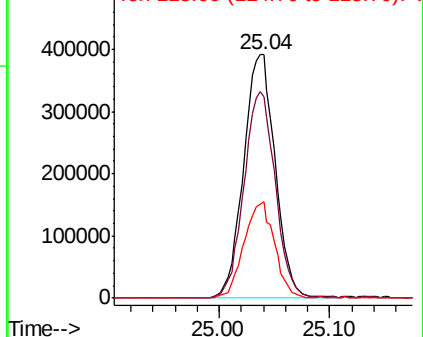
115 38.4 30.7 46.1

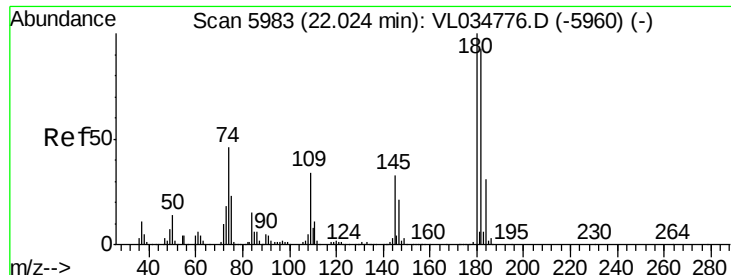


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

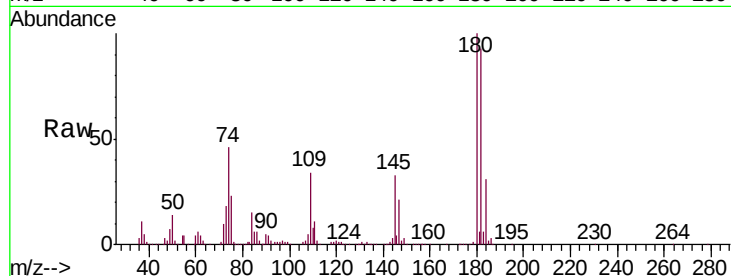




#81
 1,2,4-Trichlorobenzene
 Concen: 8.279 ppbv
 RT: 22.02 min Scan# 5983
 Delta R.T. 0.00 min
 Lab File: VL034776.D
 Acq: 4 Mar 2020 1:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:180 Resp: 1631371
 Ion Ratio Lower Upper
 180 100
 182 96.0 76.8 115.2
 184 31.0 24.8 37.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

