

Data File : VL034929.D
Acq On : 23 Mar 2020 13:57
Operator : SY/AP
Sample : VL0323ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

Quant Time: Mar 24 01:47:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
QLast Update : Mon Mar 09 16:42:53 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	999088	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2174768	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2317262	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1867248	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	874890	6.395	ppbv	99
3) Chlorodifluoromethane	2.94	51	1082444	9.699	ppbv	97
4) Chloromethane	3.10	50	637489	10.107	ppbv	96
5) Vinyl Chloride	3.21	62	609035	10.043	ppbv	93
6) Bromomethane	3.43	94	369792	10.475	ppbv	96
7) Chloroethane	3.52	64	222821	10.175	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	1376778	9.690	ppbv	94
9) Propene	2.97	41	487430	9.148	ppbv	100
10) Heptane	8.13	43	1357704	10.353	ppbv	99
11) Trichlorofluoromethane	3.92	101	1424689	9.788	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1011381	9.928	ppbv	93
13) Ethanol	3.57	45	111721	6.896	ppbv	98
14) Bromoethene	3.70	108	447759	10.177	ppbv	99
15) Acetone	3.82	43	1163080	8.982	ppbv	99
16) 1,3-Butadiene	3.29	39	568160	9.703	ppbv	99
17) tert-Butyl alcohol	4.26	59	854319	6.848	ppbv	99
18) 1,1-Dichloroethene	4.26	96	459584	10.188	ppbv	93
19) Isopropyl Alcohol	3.94	45	625298	7.647	ppbv #	42
20) Methylene Chloride	4.31	84	419900	10.256	ppbv	98
21) Allyl Chloride	4.38	41	797373	9.588	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	456542	9.975	ppbv	99
23) Vinyl Acetate	5.05	43	1794560	9.382	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1260114	9.827	ppbv	99
25) Ethyl Acetate	5.66	43	2195208	9.515	ppbv	99
26) Hexane	5.67	57	1002491	10.091	ppbv	96
27) Carbon Disulfide	4.52	76	1207335	10.710	ppbv	98
28) Methyl tert-Butyl Ether	5.01	73	1462622	8.849	ppbv	99
29) Chloroform	5.74	83	1511607	9.973	ppbv	98
30) Cyclohexane	7.13	84	828798	9.999	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	987768	9.723	ppbv	100
32) 1,1,1-Trichloroethane	6.50	97	1455320	9.854	ppbv	98
34) 2-Butanone	5.22	43	1467388	10.153	ppbv	100
35) Carbon Tetrachloride	7.02	117	1506704	11.139	ppbv	98
36) Benzene	6.89	78	1976267	10.195	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1177706	10.775	ppbv	98
38) Trichloroethene	7.84	130	736018	9.997	ppbv	93
39) 1,2-Dichloropropane	7.62	63	785736	10.231	ppbv	96
40) 1,4-Dioxane	7.83	88	251301	8.664	ppbv #	87
41) Tetrahydrofuran	6.04	42	826930	10.574	ppbv	100
42) Bromodichloromethane	7.80	83	1620465	10.878	ppbv	99
43) Methyl Methacrylate	8.02	69	893082	10.936	ppbv	97

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3438235	10.496	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	996764	10.389	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1183201	10.378	ppbv	96
47) 1,1,2-Trichloroethane	9.49	97	824003	10.454	ppbv	96
48) Dibromochloromethane	10.32	129	1356441	10.627	ppbv	99
49) Bromoform	13.07	173	1217291	10.696	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2233988	10.738	ppbv	99
51) 2-Hexanone	10.15	43	1834872	10.852	ppbv #	100
52) Tetrachloroethene	11.24	164	697266	9.092	ppbv	97
53) Toluene	9.82	91	2308336	10.312	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1238544	10.439	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.15	131	1024190	9.839	ppbv	97
57) Chlorobenzene	12.17	112	1746145	9.631	ppbv	98
58) Ethyl Benzene	12.73	91	3146179	10.026	ppbv	97
59) m/p-Xylene	13.02	91	2825498	10.747	ppbv #	44
60) o-Xylene	13.72	91	2571610	10.018	ppbv	99
61) Styrene	13.55	104	1859840	10.324	ppbv	98
62) Isopropylbenzene	14.69	105	3791389	9.768	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	1856695	10.654	ppbv	99
64) n-propylbenzene	15.59	120	983980	9.740	ppbv	89
65) tert-Butylbenzene	16.78	119	3273653	9.648	ppbv	97
66) Benzyl Chloride	17.02	91	1310121	9.260	ppbv	96
67) sec-Butylbenzene	17.33	105	4742553	10.080	ppbv	99
69) p-Isopropyltoluene	17.69	119	3945582	10.001	ppbv	98
70) n-Butylbenzene	18.58	91	4228505	10.505	ppbv	99
71) 2-Chlorotoluene	15.48	91	2934483	9.983	ppbv	99
72) 4-Ethyltoluene	15.87	105	3051518	10.066	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	2902664	10.228	ppbv	96
74) 1,2,4-Trimethylbenzene	16.80	105	2951286	10.094	ppbv	95
75) 1,3-Dichlorobenzene	17.03	146	1728781	9.807	ppbv	99
76) 1,4-Dichlorobenzene	17.17	146	1719017	9.772	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	1666194	9.751	ppbv	97
78) Hexachloro-1,3-Butadiene	23.42	225	1375335	9.636	ppbv	99
79) Naphthalene	22.25	128	2813300	12.339	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	1109535	18.621	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1609789	11.113	ppbv	100

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

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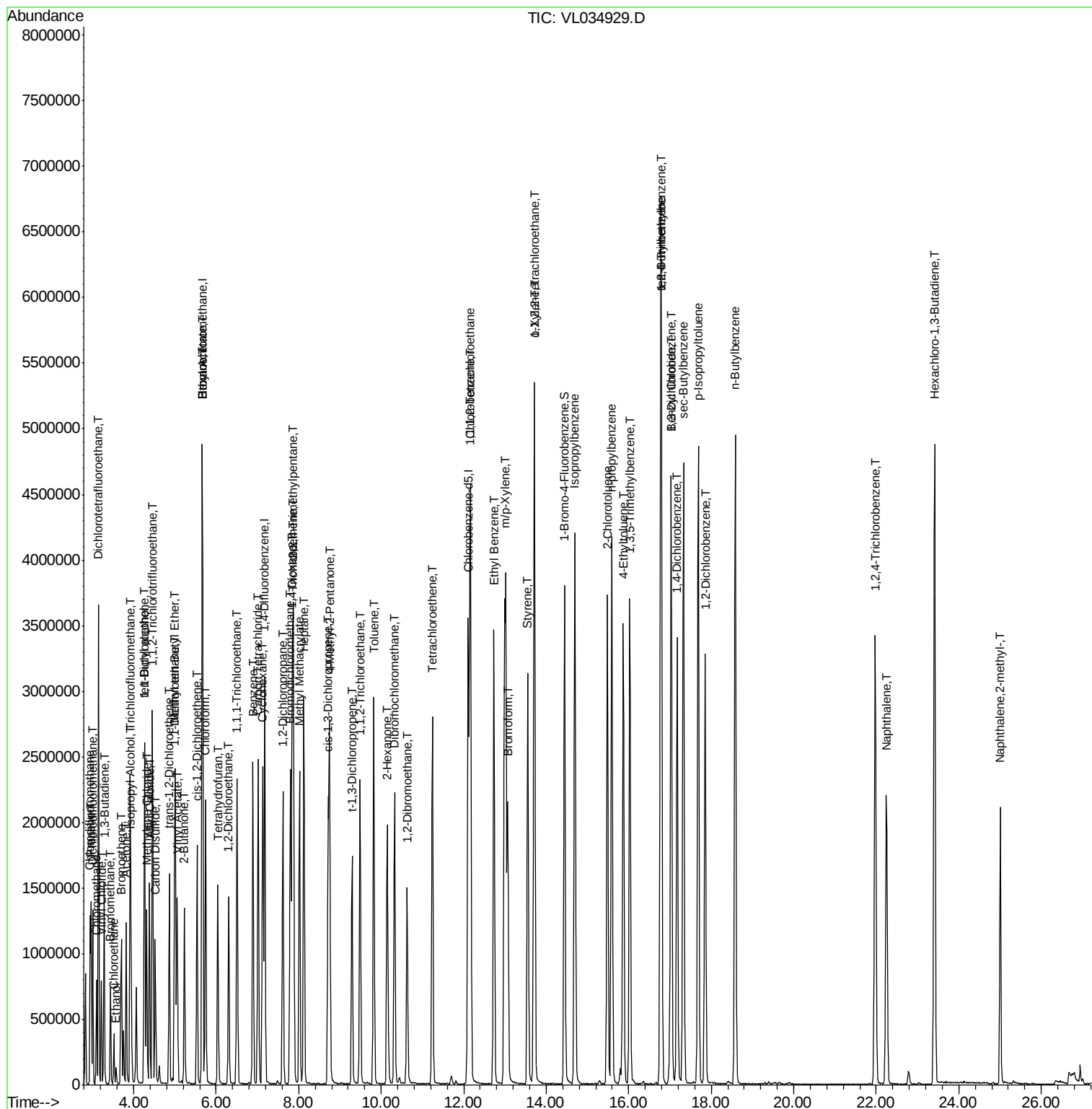
Quant Time: Mar 24 01:47:41 2020

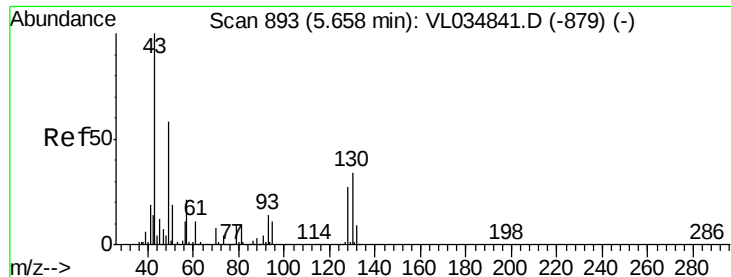
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL030920AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 09 16:42:53 2020

QLast Update : Mon Mar 09 16:42:53 2020

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

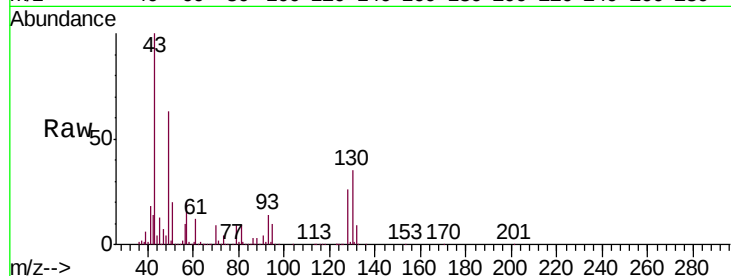
Tgt Ion: 49 Resp: 999088

Ion Ratio Lower Upper

49 100

128 44.4 23.4 70.3

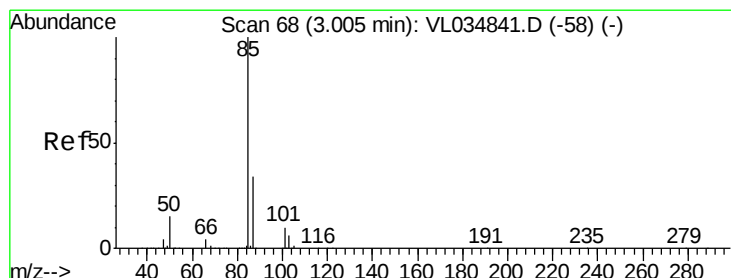
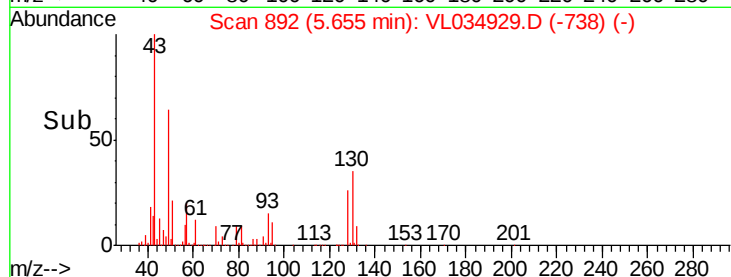
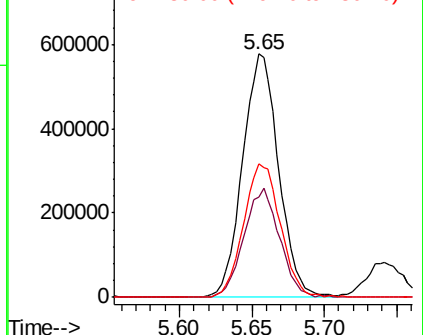
130 56.4 30.0 90.0



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 6.395 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL034929.D

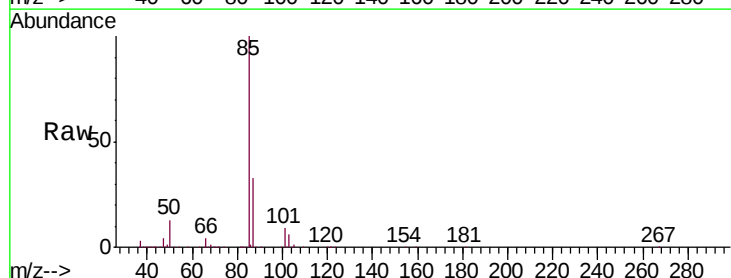
Acq: 23 Mar 2020 13:57

Tgt Ion: 85 Resp: 874890

Ion Ratio Lower Upper

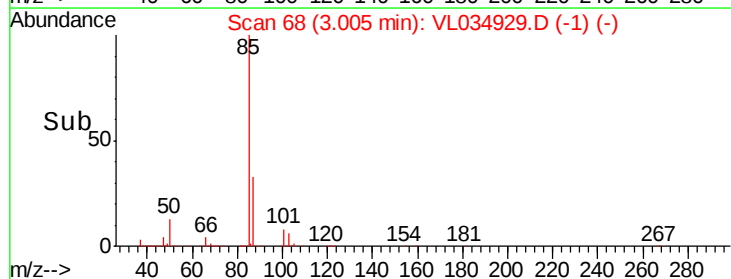
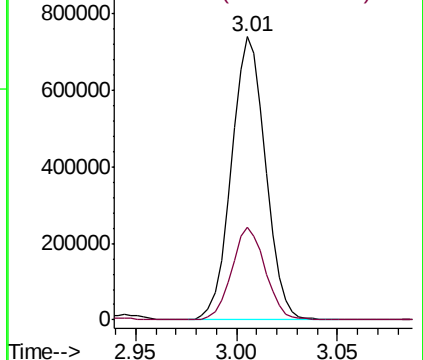
85 100

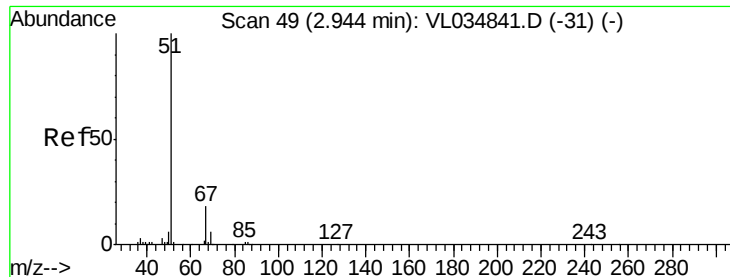
87 33.0 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.699 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

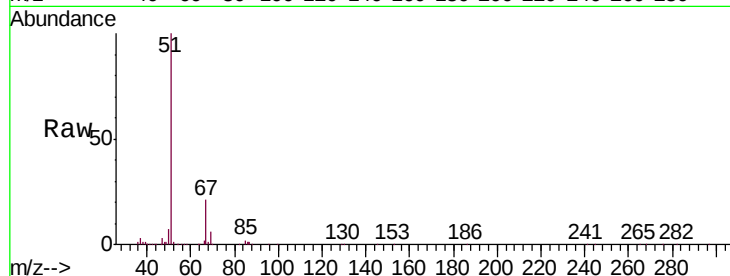
VL0323ABS01

Tgt Ion: 51 Resp: 1082444

Ion Ratio Lower Upper

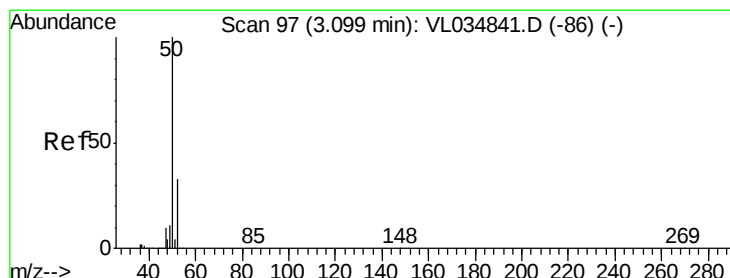
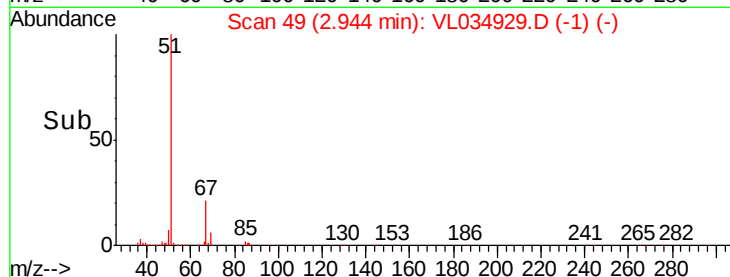
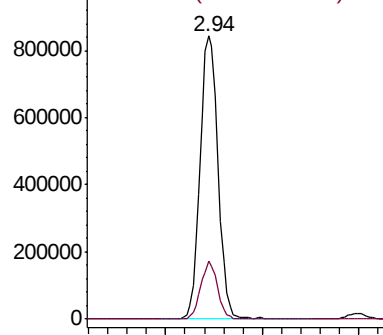
51 100

67 19.1 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.107 ppbv

RT: 3.10 min Scan# 97

Delta R.T. -0.00 min

Lab File: VL034929.D

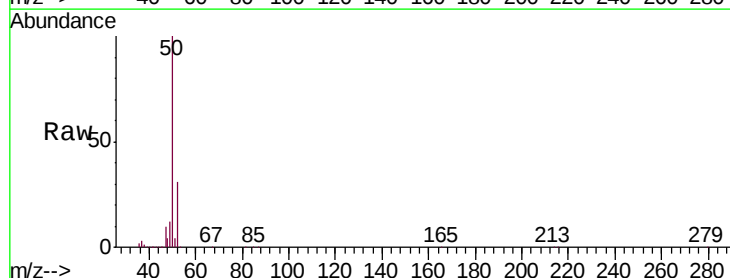
Acq: 23 Mar 2020 13:57

Tgt Ion: 50 Resp: 637489

Ion Ratio Lower Upper

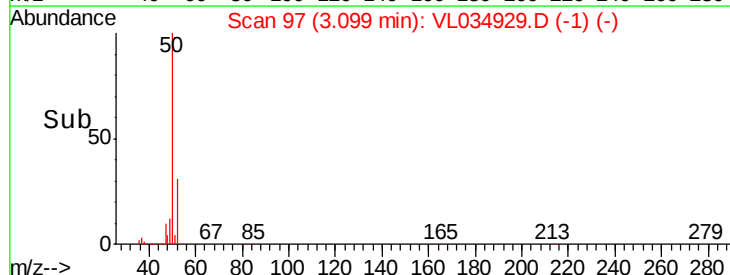
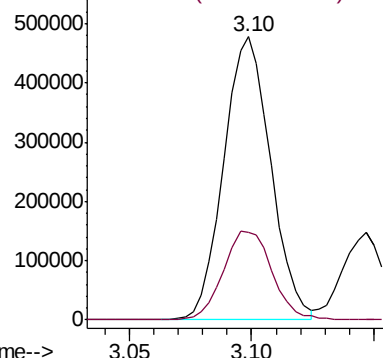
50 100

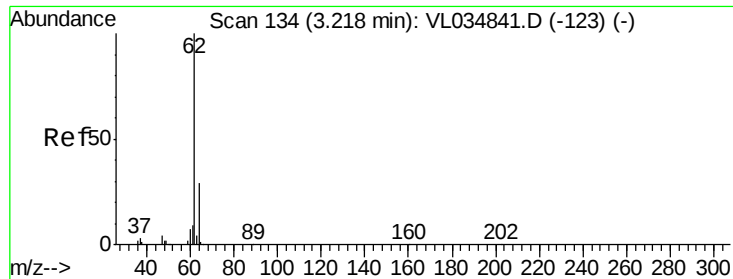
52 31.1 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.043 ppbv

RT: 3.21 min Scan# 133

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

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ClientSampleId :

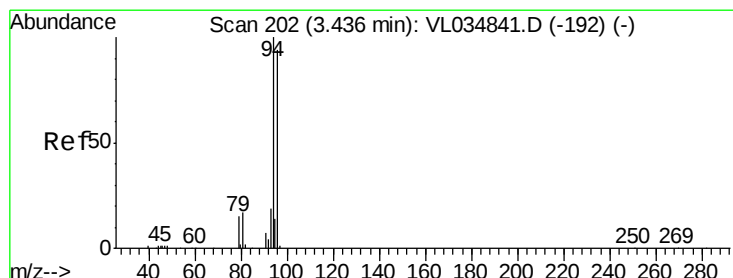
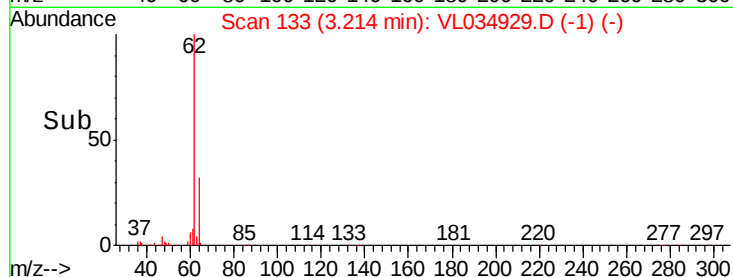
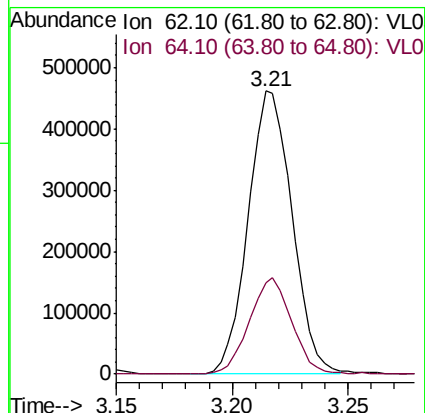
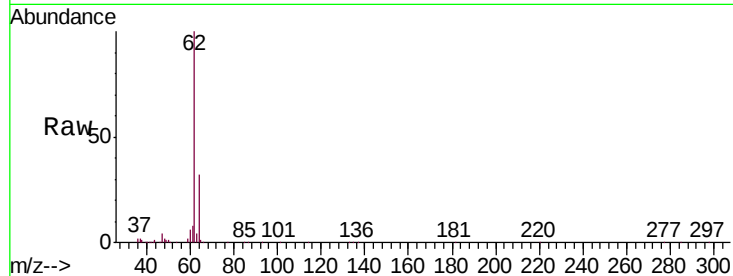
VL0323ABS01

Tgt Ion: 62 Resp: 609035

Ion Ratio Lower Upper

62 100

64 32.3 23.0 34.4



#6

Bromomethane

Concen: 10.475 ppbv

RT: 3.43 min Scan# 201

Delta R.T. -0.00 min

Lab File: VL034929.D

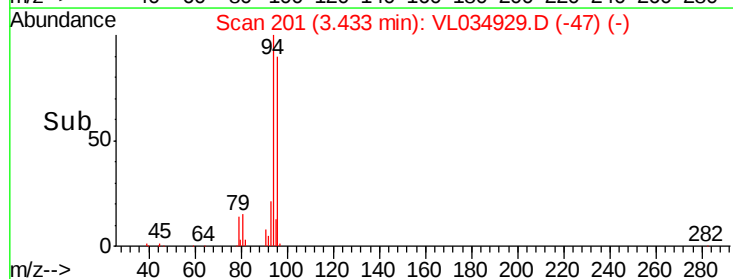
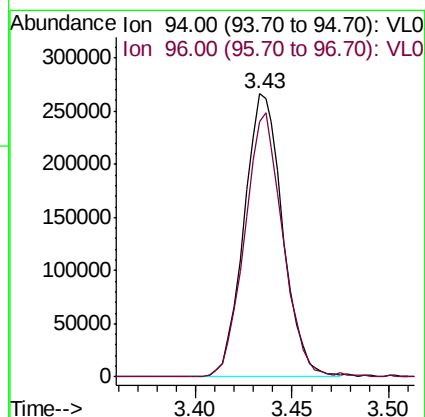
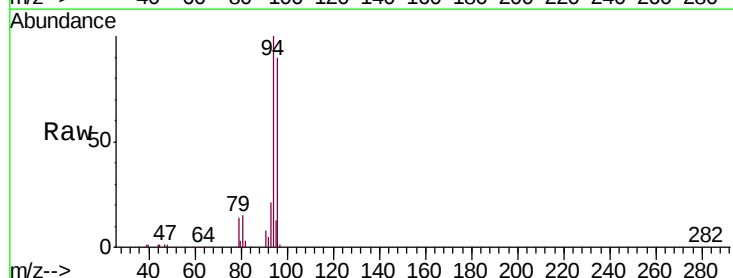
Acq: 23 Mar 2020 13:57

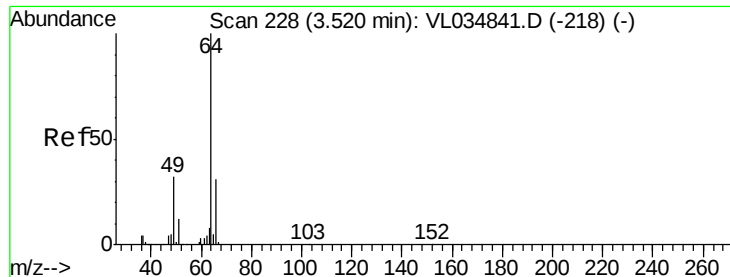
Tgt Ion: 94 Resp: 369792

Ion Ratio Lower Upper

94 100

96 90.1 75.5 113.3





#7

Chloroethane

Concen: 10.175 ppbv

RT: 3.52 min Scan# 228

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

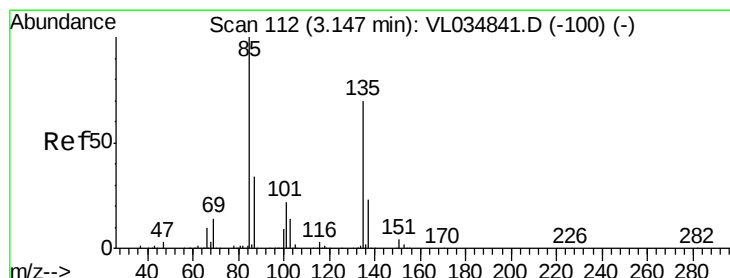
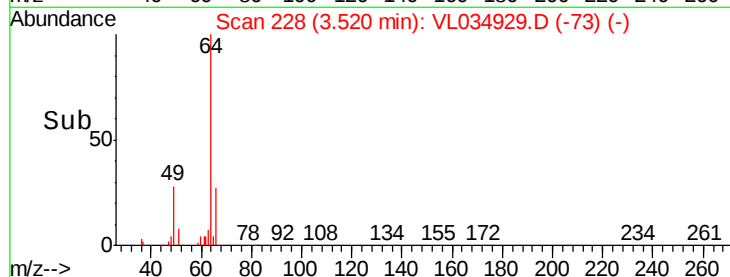
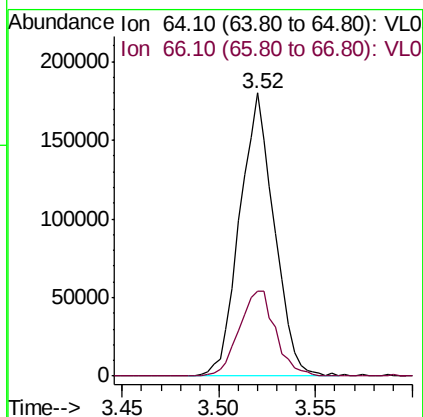
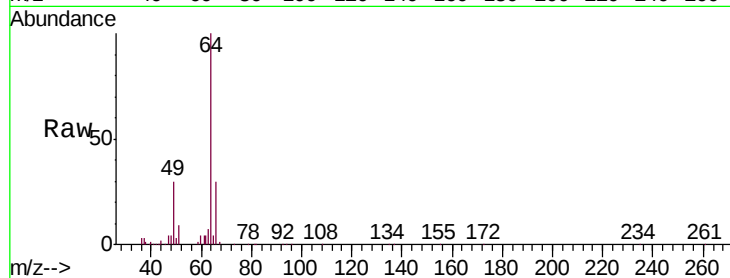
VL0323ABS01

Tgt Ion: 64 Resp: 222821

Ion Ratio Lower Upper

64 100

66 30.1 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 9.690 ppbv

RT: 3.15 min Scan# 112

Delta R.T. -0.00 min

Lab File: VL034929.D

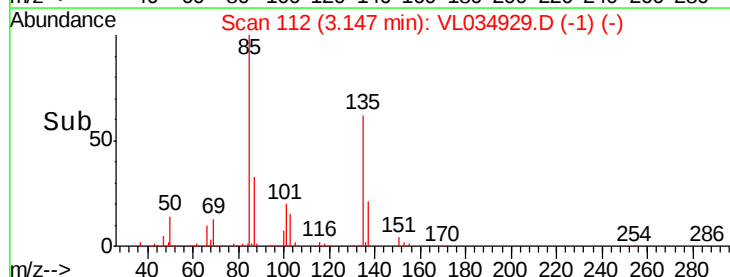
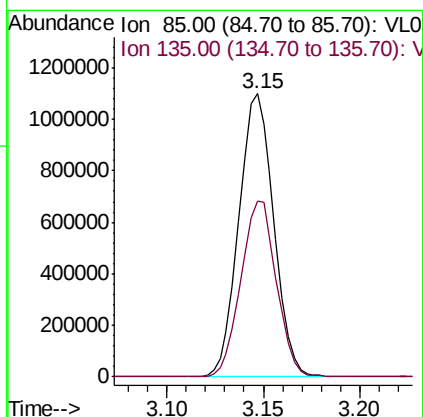
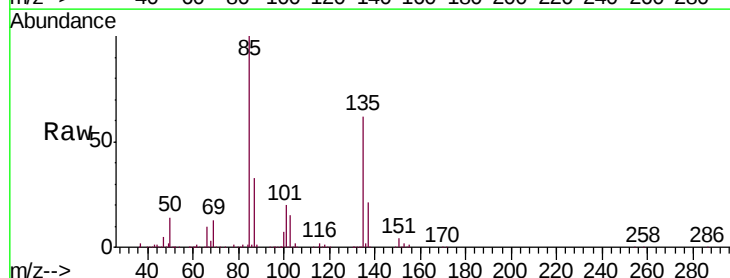
Acq: 23 Mar 2020 13:57

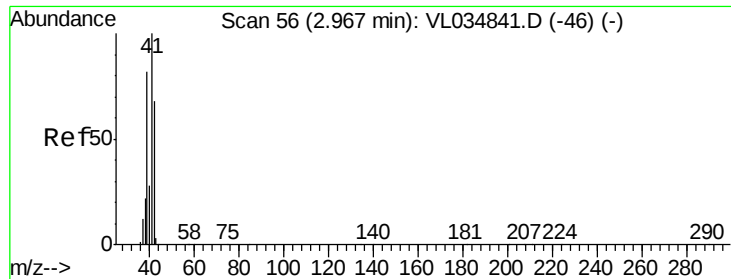
Tgt Ion: 85 Resp: 1376778

Ion Ratio Lower Upper

85 100

135 63.4 54.3 81.5





#9

Propene

Concen: 9.148 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

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ClientSampleId :

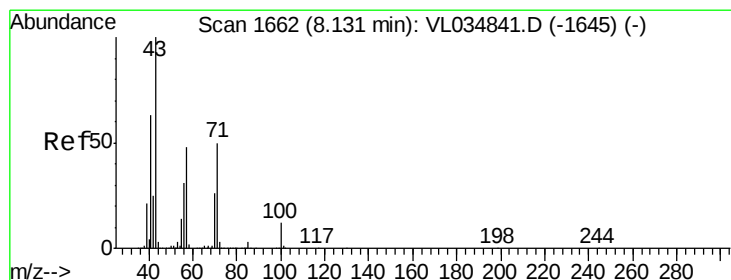
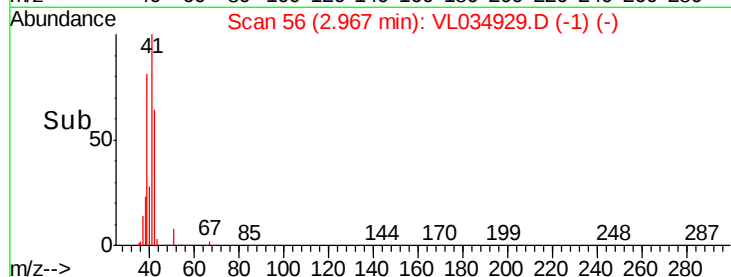
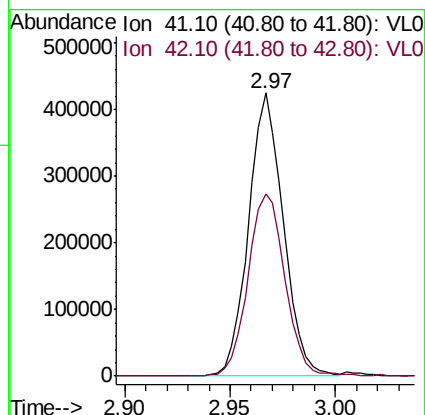
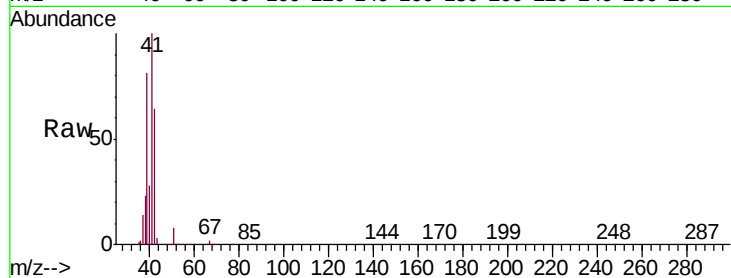
VL0323ABS01

Tgt Ion: 41 Resp: 487430

Ion Ratio Lower Upper

41 100

42 68.9 55.2 82.8



#10

Heptane

Concen: 10.353 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034929.D

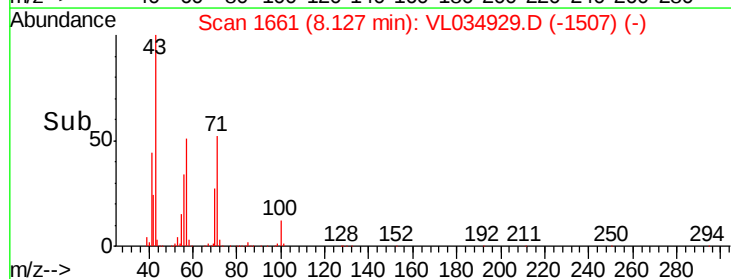
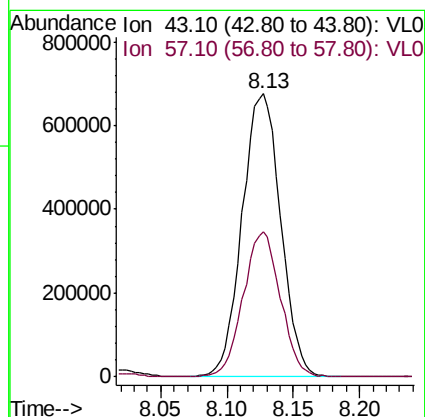
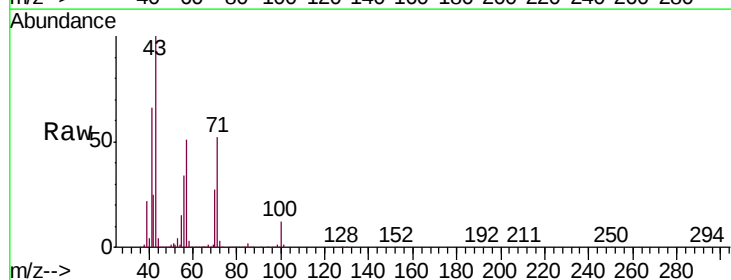
Acq: 23 Mar 2020 13:57

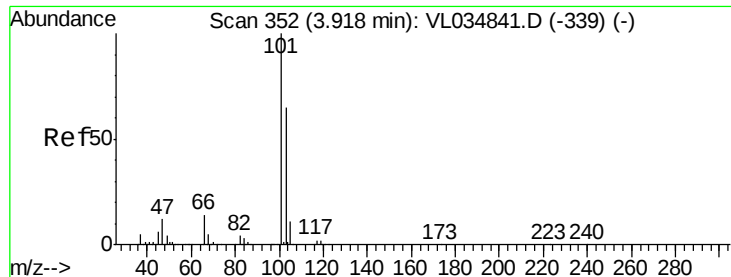
Tgt Ion: 43 Resp: 1357704

Ion Ratio Lower Upper

43 100

57 49.9 39.7 59.5

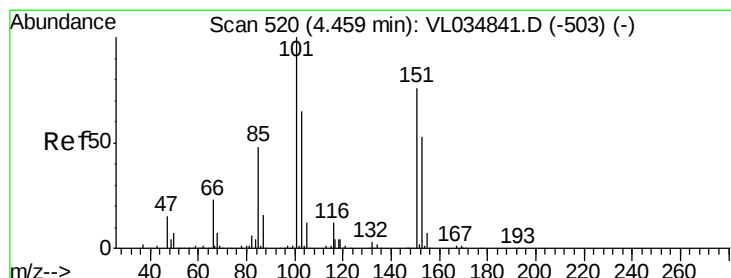
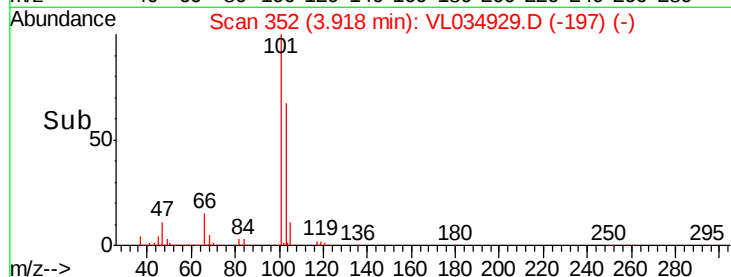
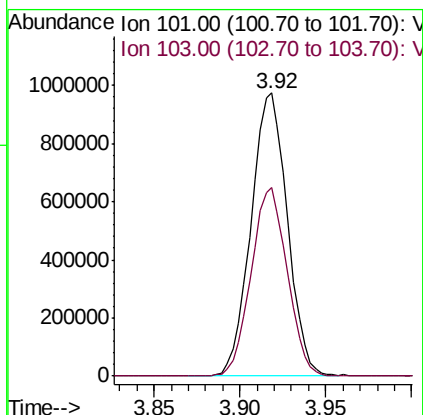
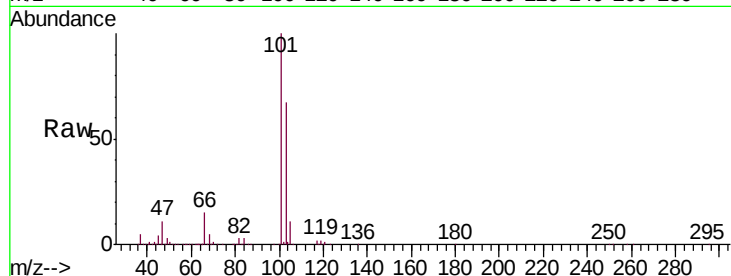




#11
 Trichlorofluoromethane
 Concen: 9.788 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

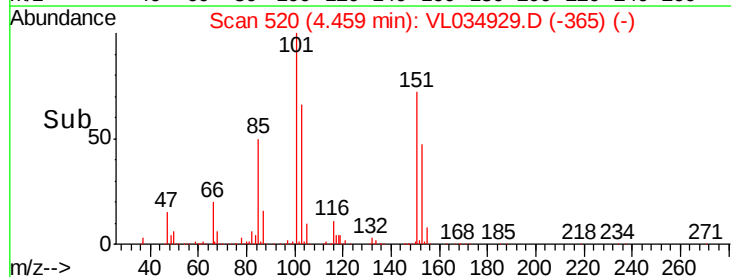
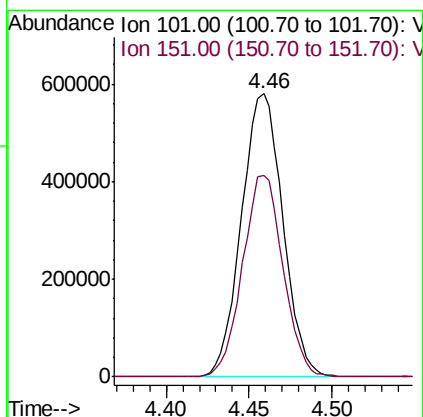
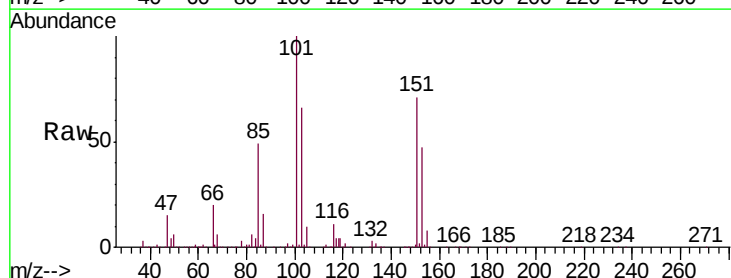
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

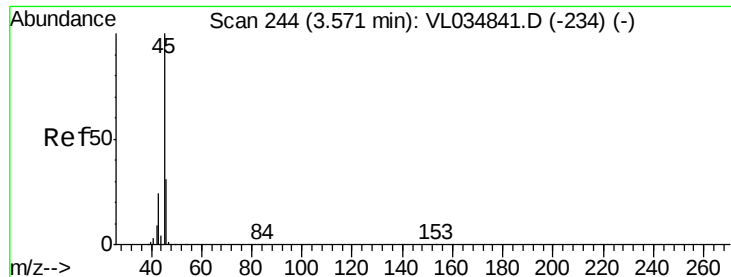
Tgt Ion:101 Resp: 1424689
 Ion Ratio Lower Upper
 101 100
 103 66.6 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.928 ppbv
 RT: 4.46 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion:101 Resp: 1011381
 Ion Ratio Lower Upper
 101 100
 151 69.8 60.8 91.2

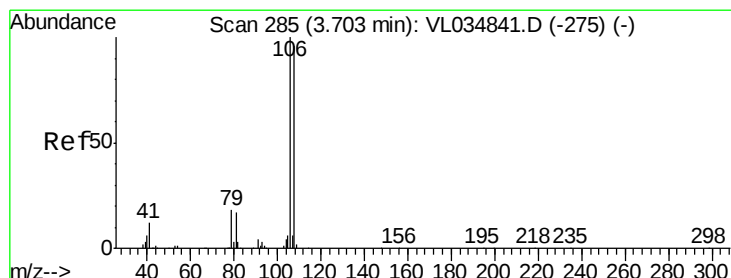
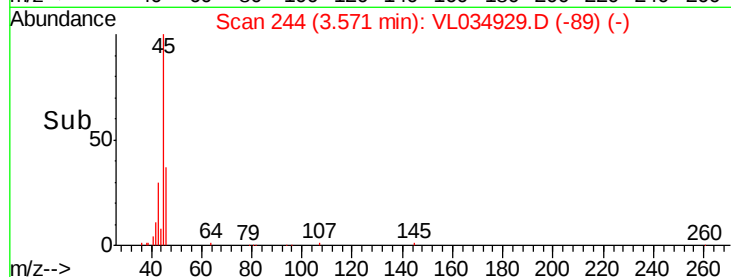
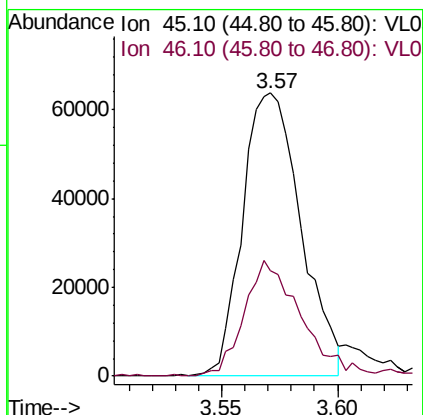
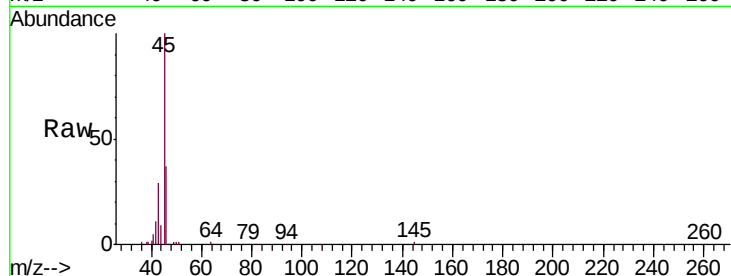




#13
Ethanol
Concen: 6.896 ppbv
RT: 3.57 min Scan# 244
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

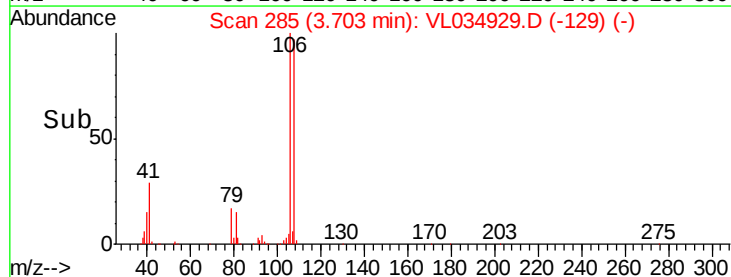
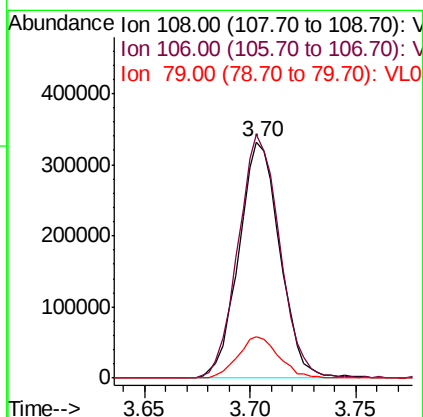
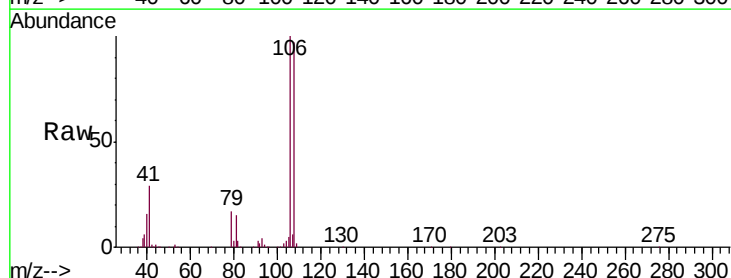
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

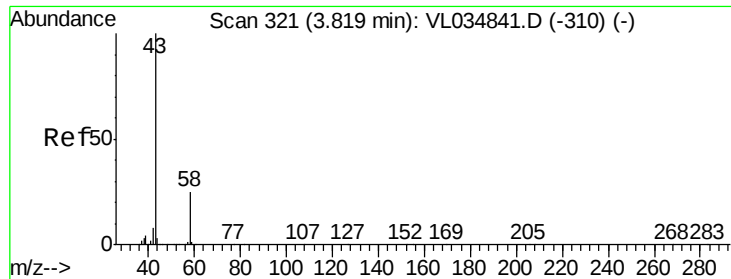
Tgt Ion: 45 Resp: 111721
Ion Ratio Lower Upper
45 100
46 41.4 16.0 64.0



#14
Bromoethene
Concen: 10.177 ppbv
RT: 3.70 min Scan# 285
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 108 Resp: 447759
Ion Ratio Lower Upper
108 100
106 105.3 85.1 127.7
79 17.7 14.7 22.1





#15

Acetone

Concen: 8.982 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

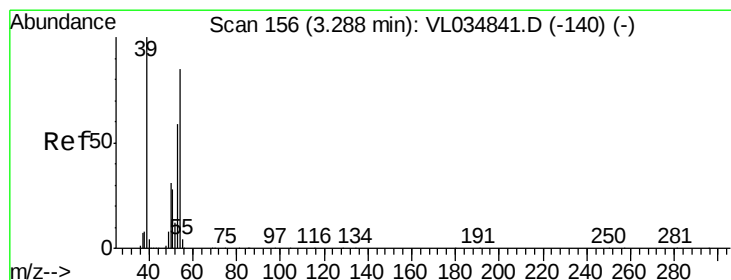
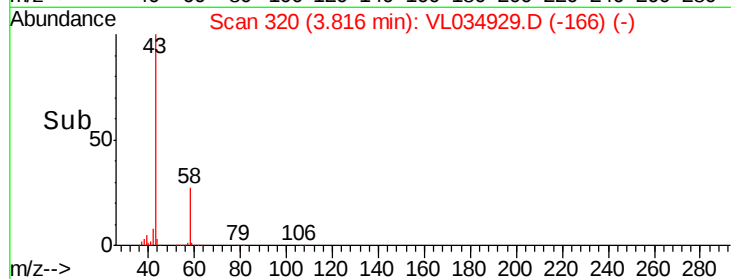
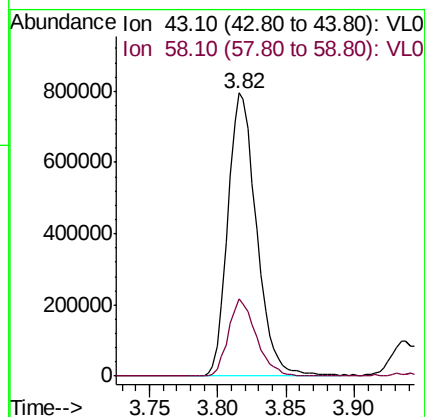
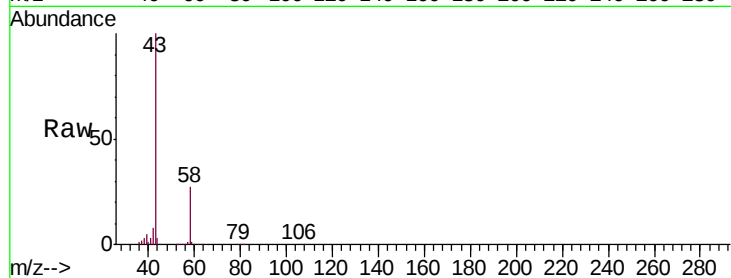
VL0323ABS01

Tgt Ion: 43 Resp: 1163080

Ion Ratio Lower Upper

43 100

58 26.7 21.0 31.6



#16

1,3-Butadiene

Concen: 9.703 ppbv

RT: 3.29 min Scan# 156

Delta R.T. -0.00 min

Lab File: VL034929.D

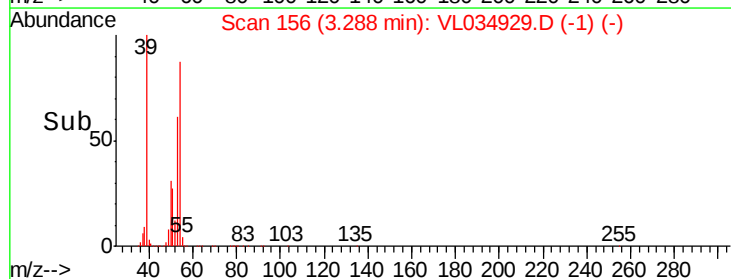
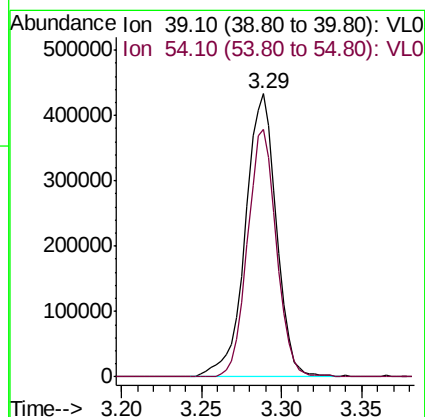
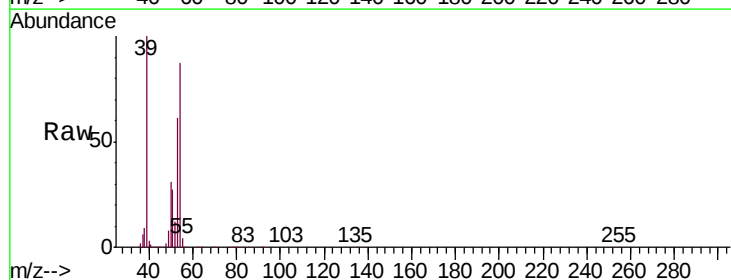
Acq: 23 Mar 2020 13:57

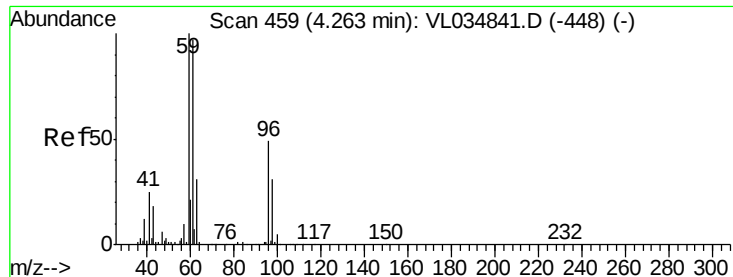
Tgt Ion: 39 Resp: 568160

Ion Ratio Lower Upper

39 100

54 82.0 65.0 97.6



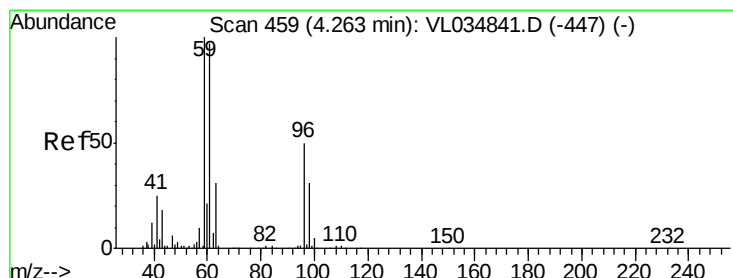
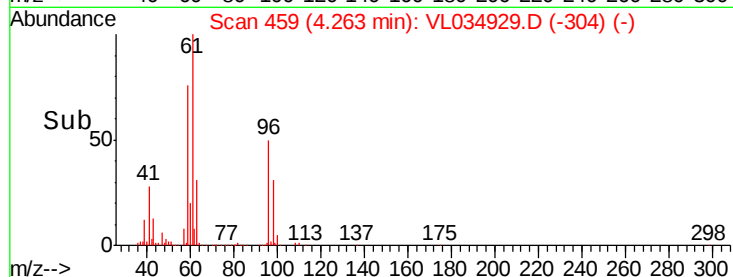
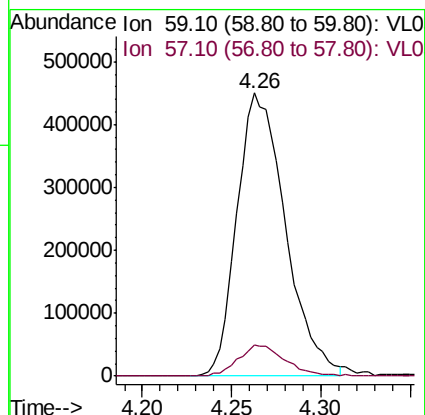
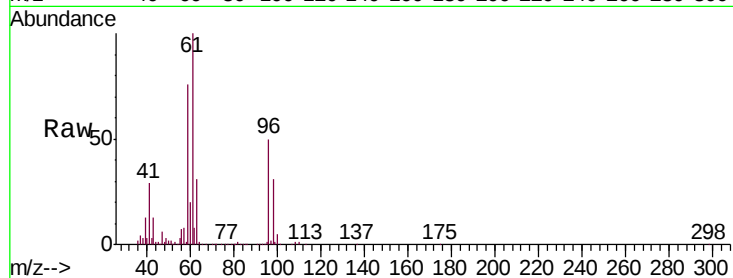


#17

tert-Butyl alcohol
 Concen: 6.848 ppbv
 RT: 4.26 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

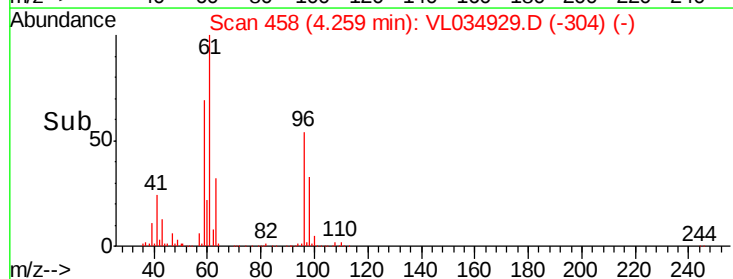
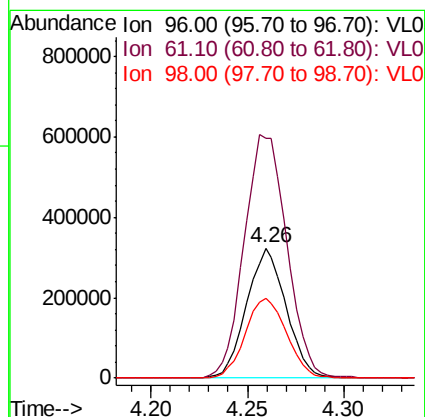
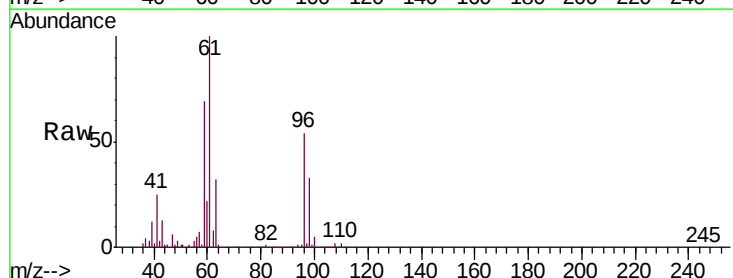
Tgt Ion: 59 Resp: 854319
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.3 12.5

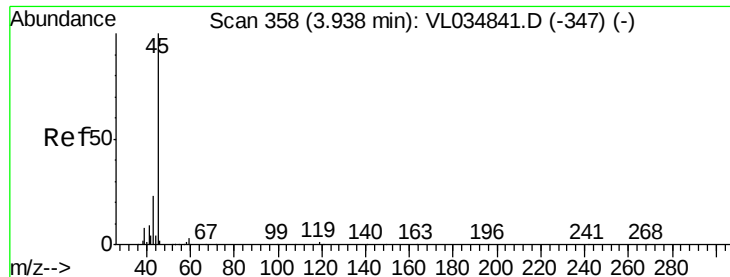


#18

1,1-Dichloroethene
 Concen: 10.188 ppbv
 RT: 4.26 min Scan# 458
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion: 96 Resp: 459584
 Ion Ratio Lower Upper
 96 100
 61 184.4 157.3 235.9
 98 61.3 50.2 75.4





#19

Isopropyl Alcohol

Concen: 7.647 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

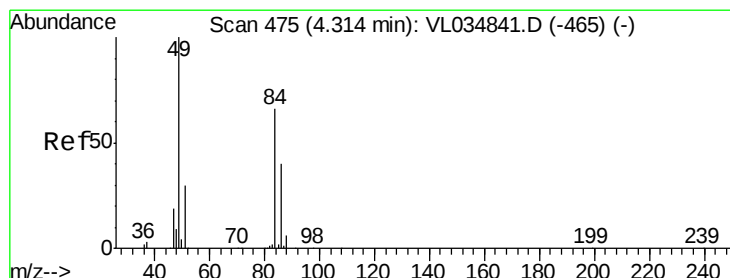
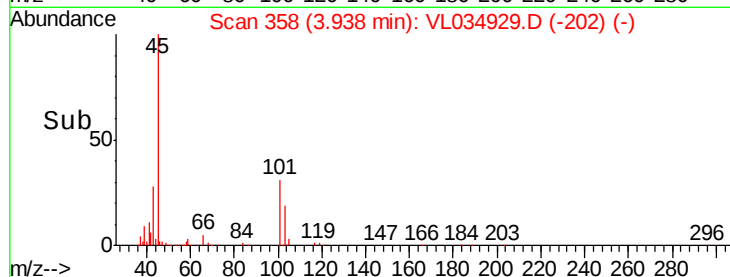
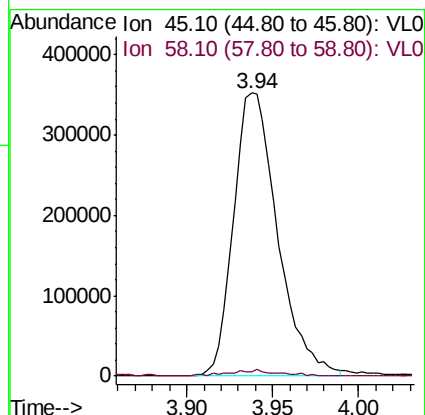
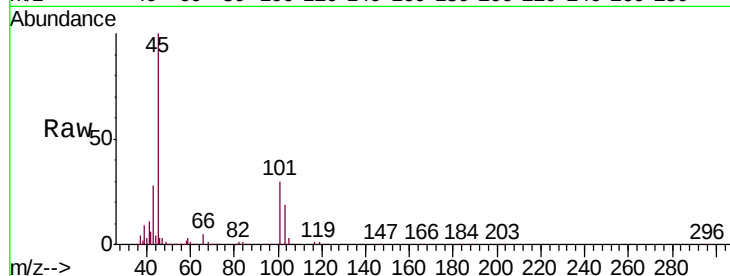
VL0323ABS01

Tgt Ion: 45 Resp: 625298

Ion Ratio Lower Upper

45 100

58 2.8 30.5 45.7#



#20

Methylene Chloride

Concen: 10.256 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Tgt Ion: 84 Resp: 419900

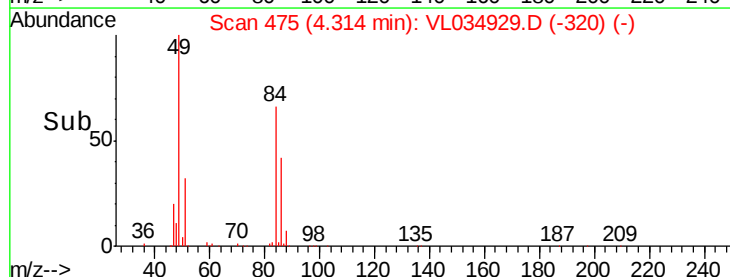
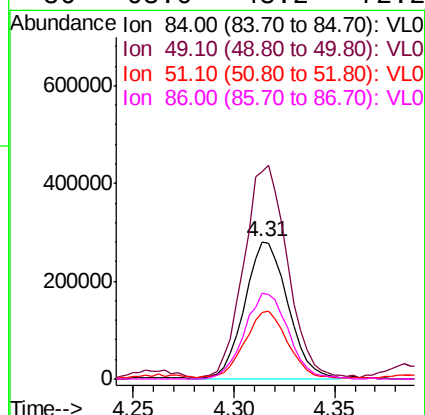
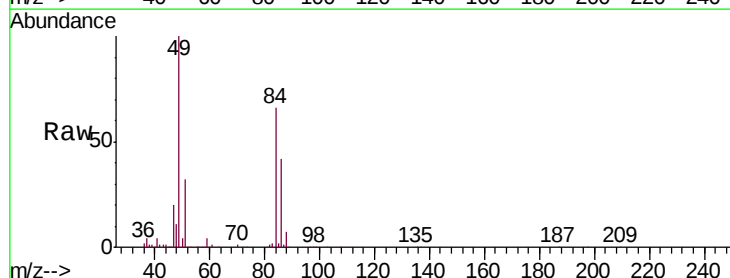
Ion Ratio Lower Upper

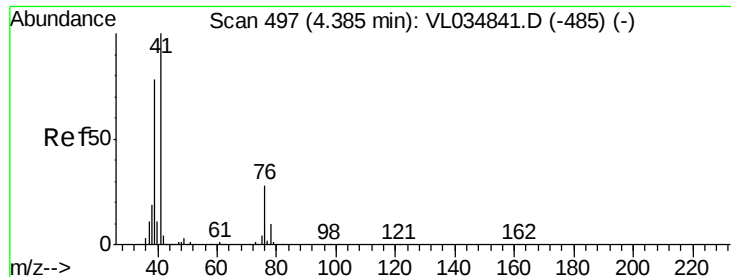
84 100

49 150.2 121.5 182.3

51 47.7 36.6 55.0

86 63.0 48.2 72.2





#21

Allyl Chloride

Concen: 9.588 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

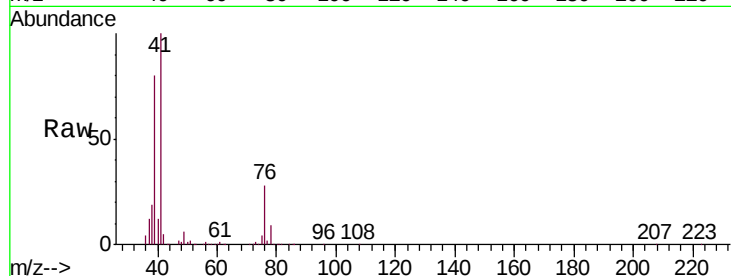
Tgt Ion: 41 Resp: 797373

Ion Ratio Lower Upper

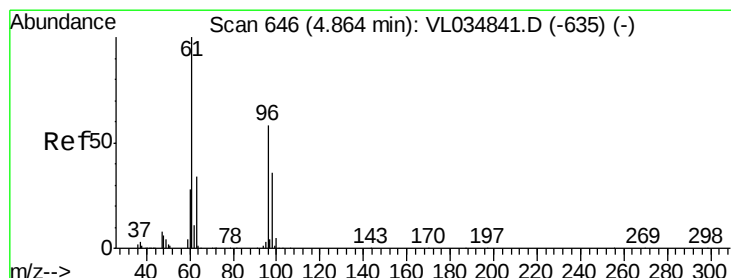
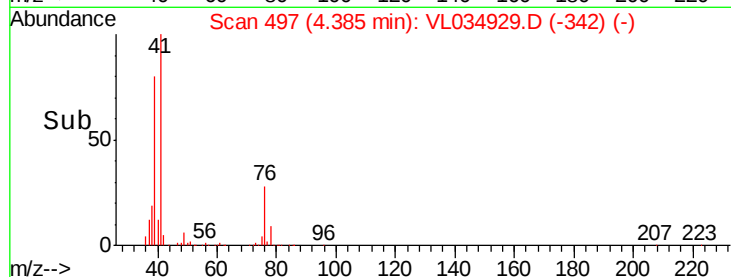
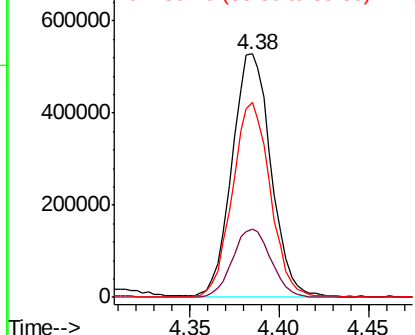
41 100

76 28.1 22.2 33.2

39 78.9 62.6 93.8



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



#22

trans-1,2-Dichloroethene

Concen: 9.975 ppbv

RT: 4.86 min Scan# 646

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

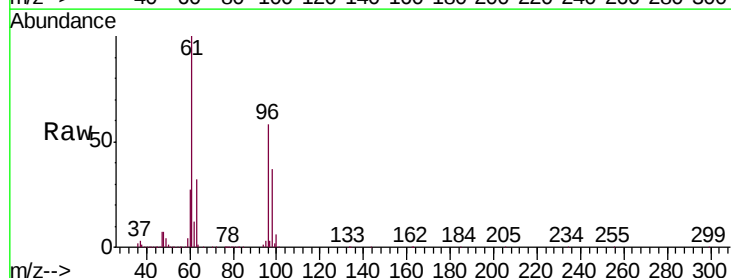
Tgt Ion: 96 Resp: 456542

Ion Ratio Lower Upper

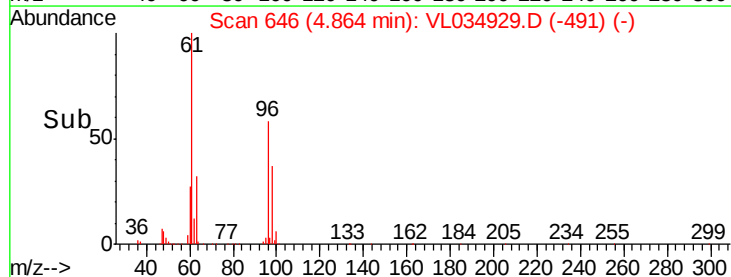
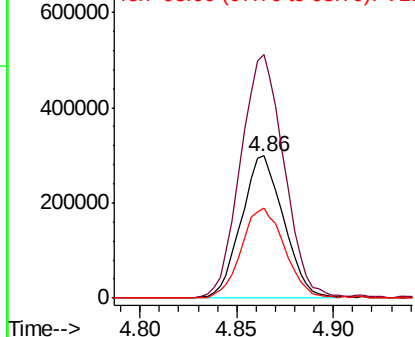
96 100

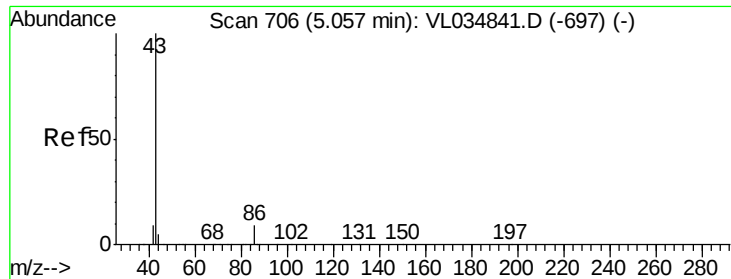
61 171.4 139.0 208.6

98 63.2 50.3 75.5



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



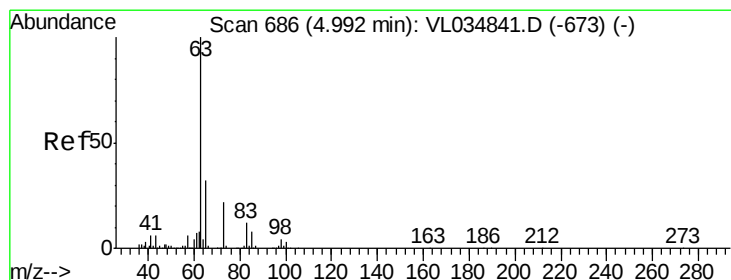
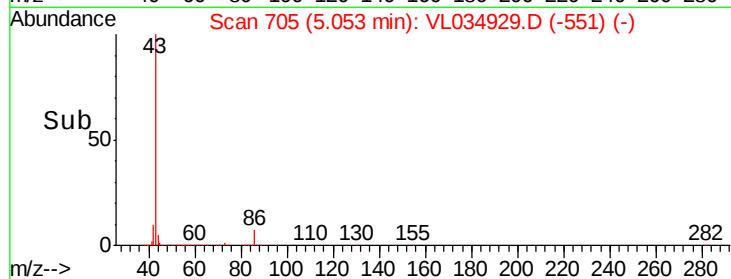
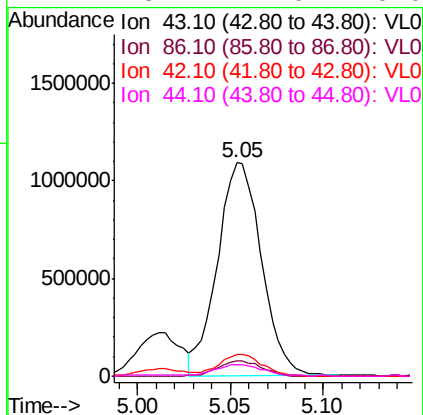
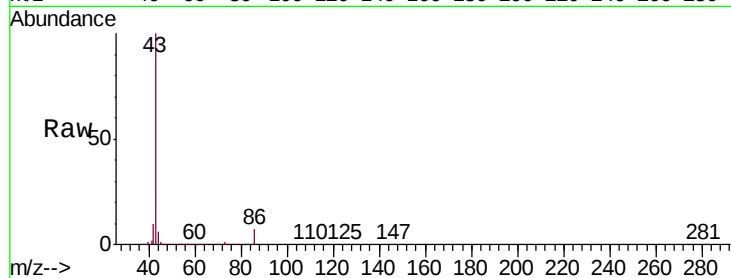


#23
 Vinyl Acetate
 Concen: 9.382 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

Tgt Ion: 43 Resp: 1794560

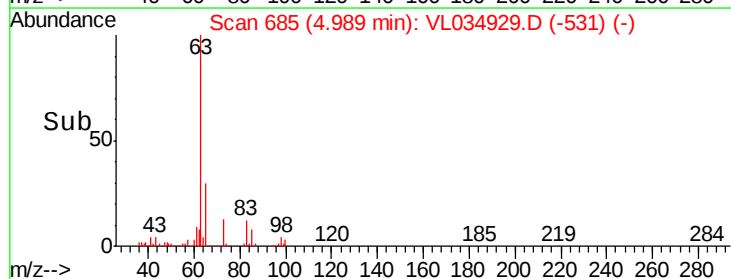
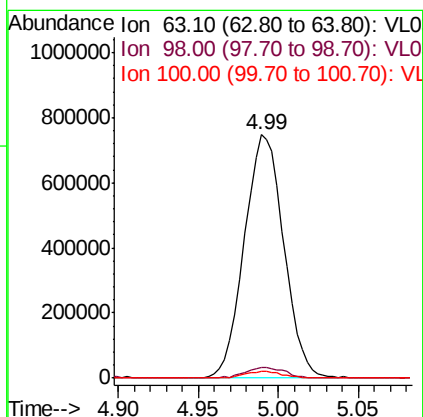
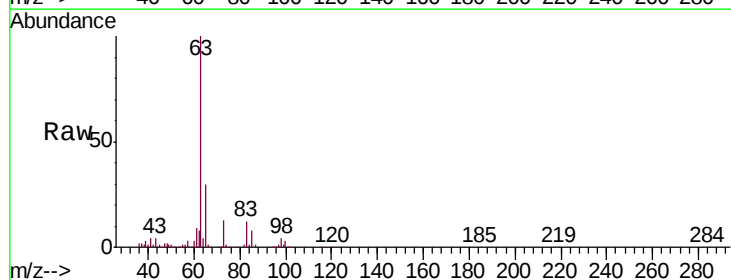
Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.3	9.5
42	10.1	7.8	11.8
44	5.2	4.0	6.0

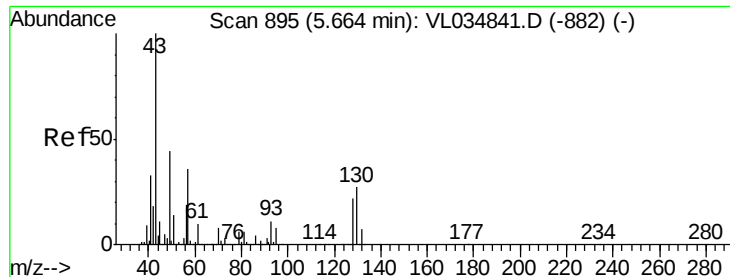


#24
 1,1-Dichloroethane
 Concen: 9.827 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion: 63 Resp: 1260114

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.0	5.8
100	2.6	1.4	4.0



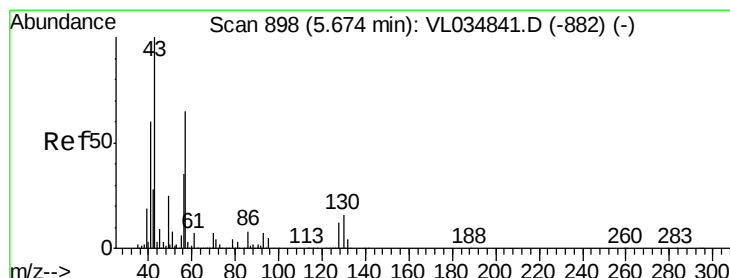
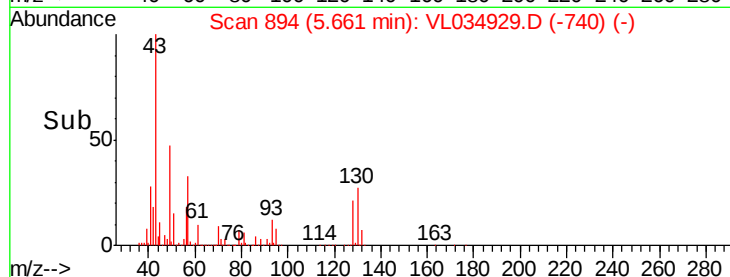
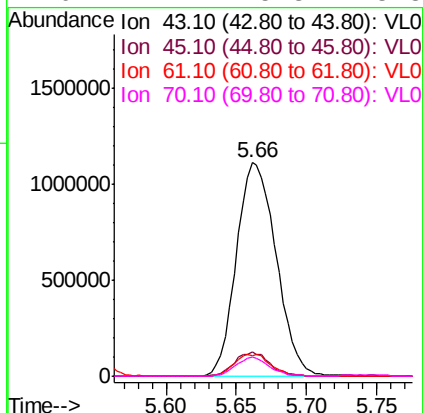
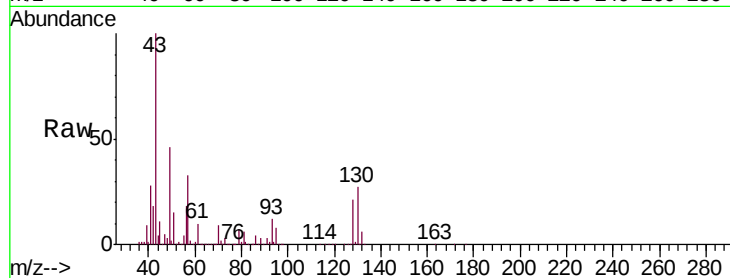


#25
Ethyl Acetate
Concen: 9.515 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

Tgt Ion: 43 Resp: 2195208

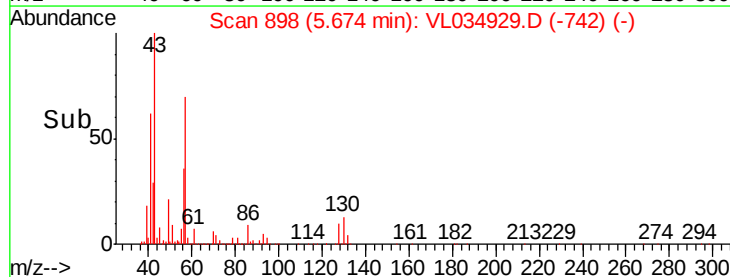
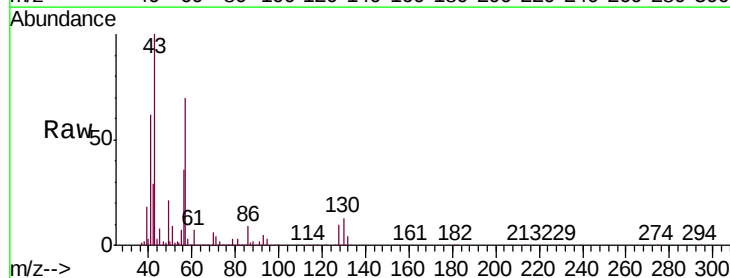
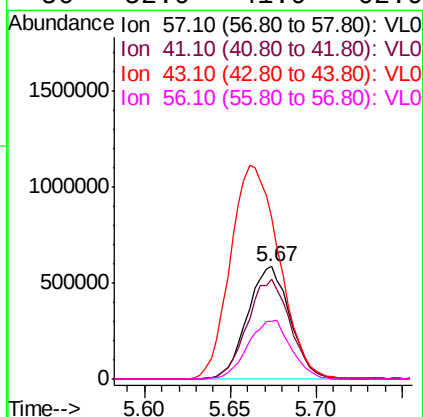
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	9.5	7.8	11.6
70	7.7	5.8	8.8

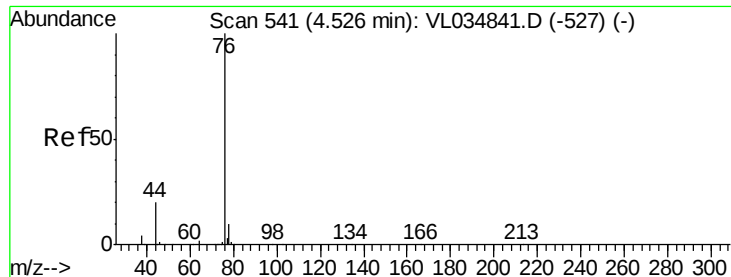


#26
Hexane
Concen: 10.091 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 57 Resp: 1002491

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.6	109.0
43	220.4	183.8	275.6
56	52.9	41.9	62.9





#27

Carbon Disulfide

Concen: 10.710 ppbv

RT: 4.52 min Scan# 540

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

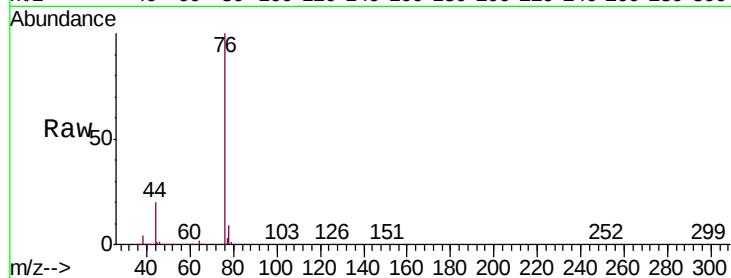
Tgt Ion: 76 Resp: 1207335

Ion Ratio Lower Upper

76 100

44 18.8 16.2 24.2

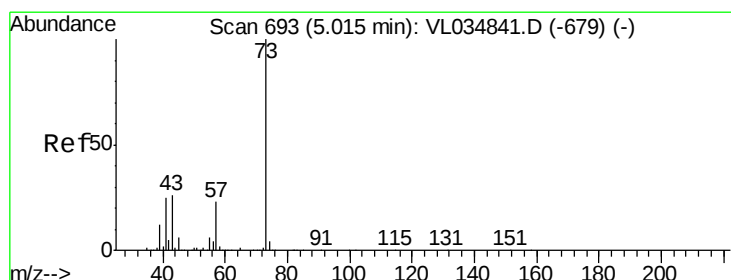
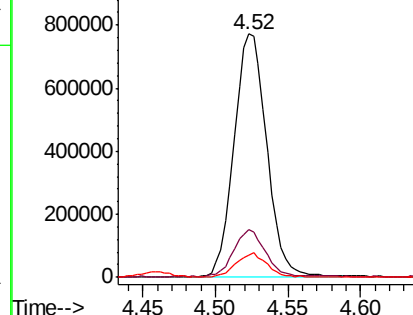
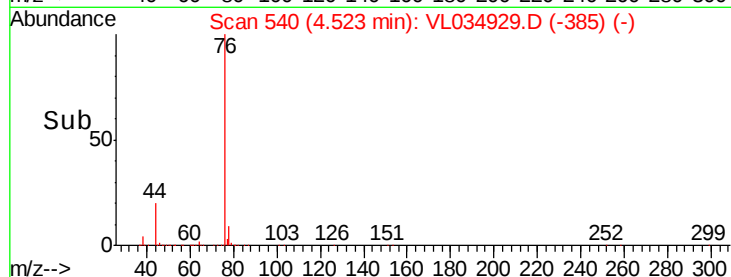
78 9.3 7.8 11.6



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: 8.849 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL034929.D

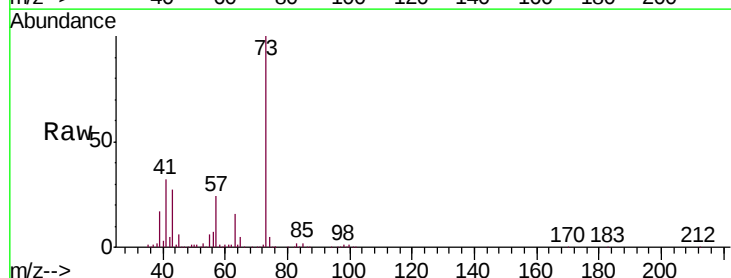
Acq: 23 Mar 2020 13:57

Tgt Ion: 73 Resp: 1462622

Ion Ratio Lower Upper

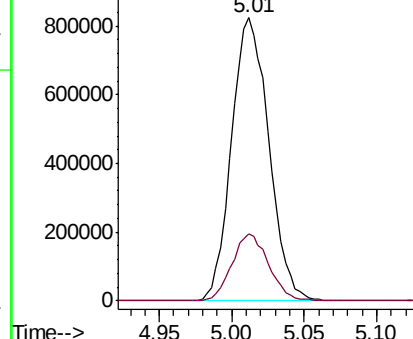
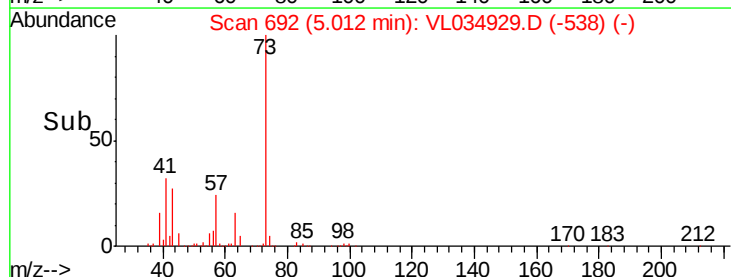
73 100

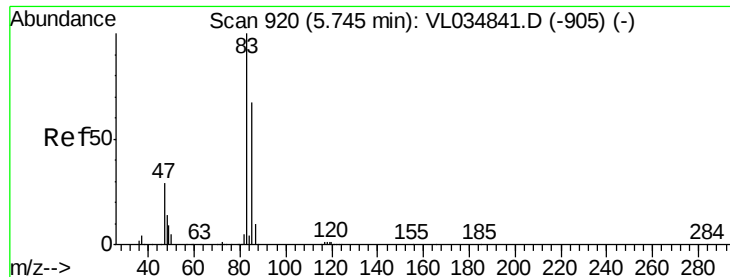
57 23.6 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

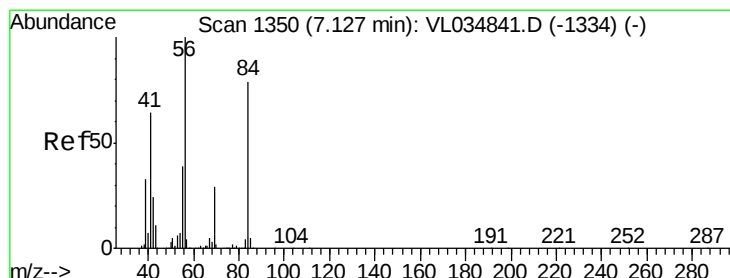
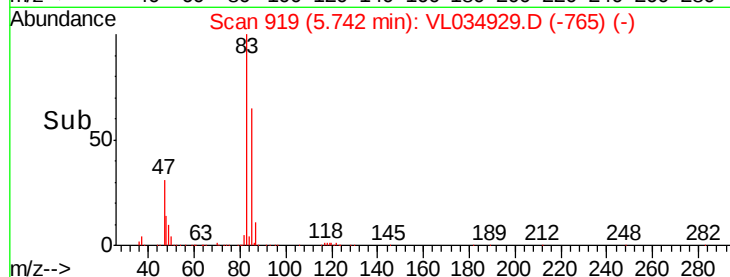
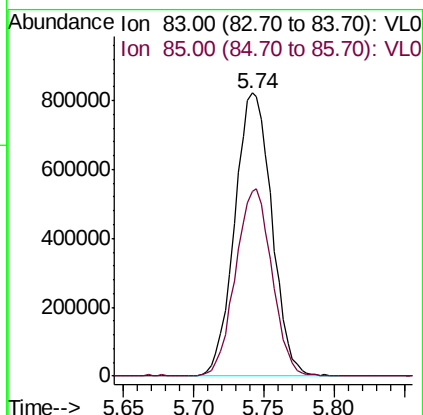
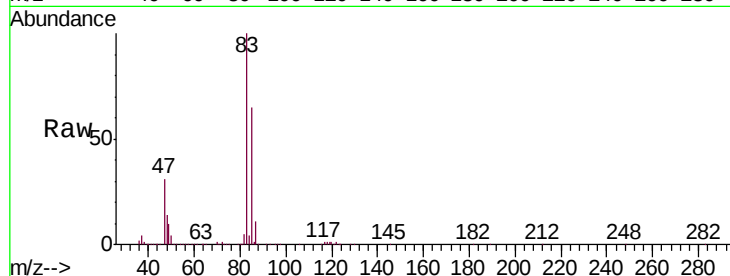




#29
Chloroform
Concen: 9.973 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

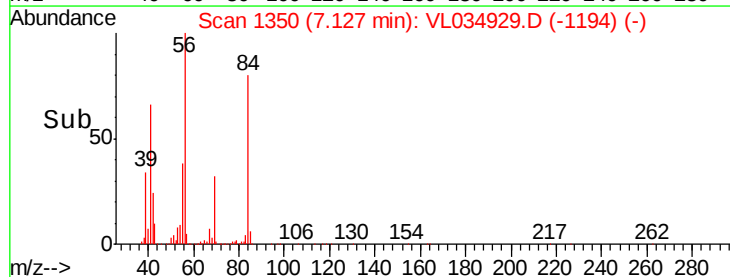
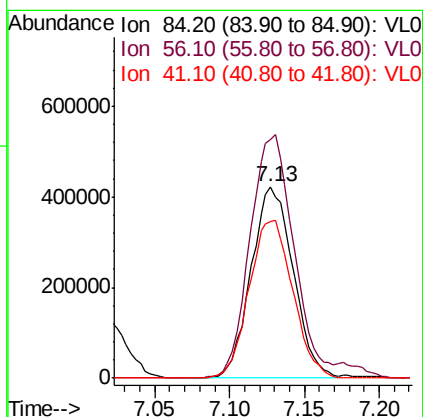
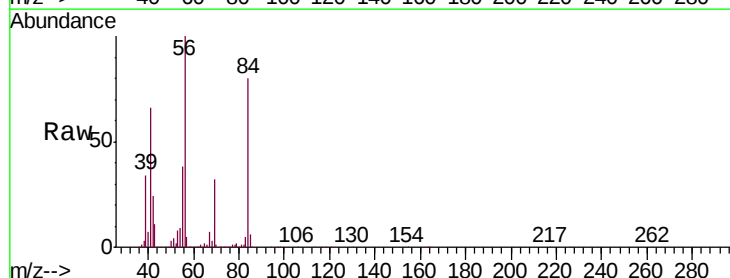
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

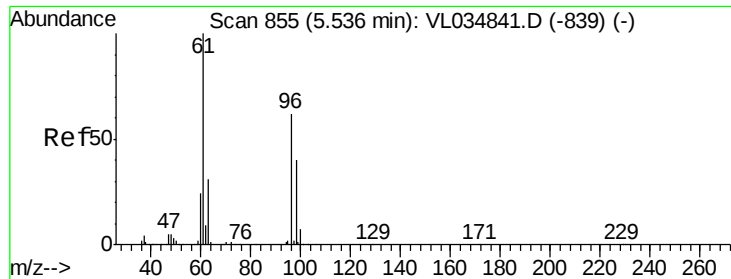
Tgt Ion: 83 Resp: 1511607
Ion Ratio Lower Upper
83 100
85 65.2 53.8 80.6



#30
Cyclohexane
Concen: 9.999 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 84 Resp: 828798
Ion Ratio Lower Upper
84 100
56 136.9 110.5 165.7
41 84.9 68.2 102.4



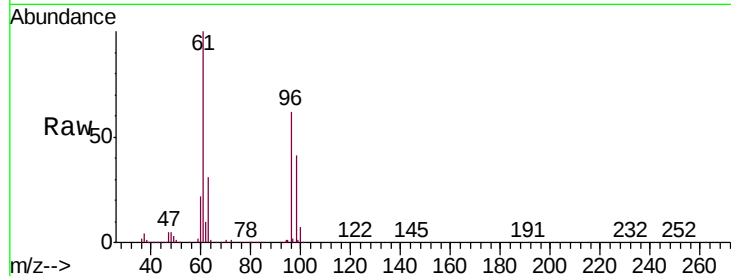


#31

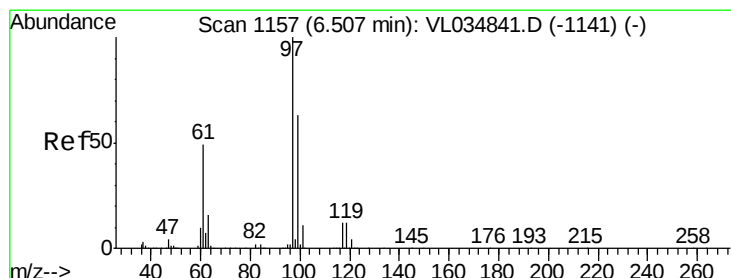
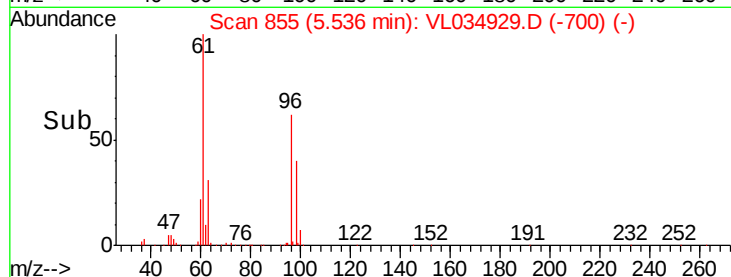
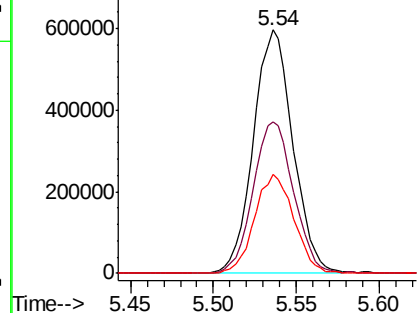
cis-1,2-Dichloroethene
 Concen: 9.723 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	62.4	49.8	74.8
98	40.6	32.2	48.4



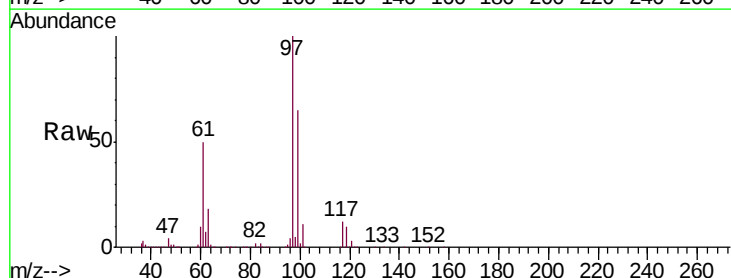
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



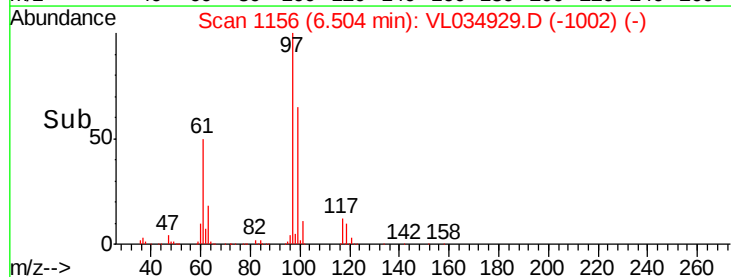
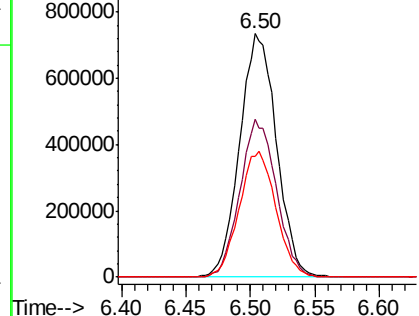
#32

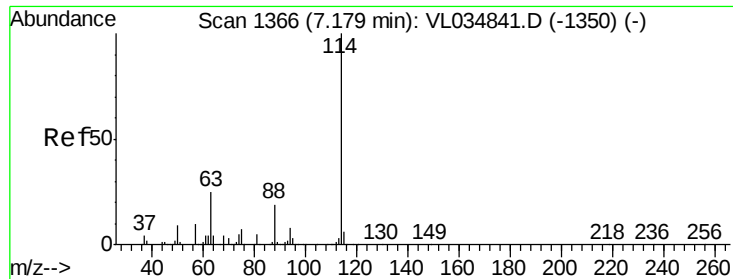
1,1,1-Trichloroethane
 Concen: 9.854 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	51.9	39.7	59.5



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0

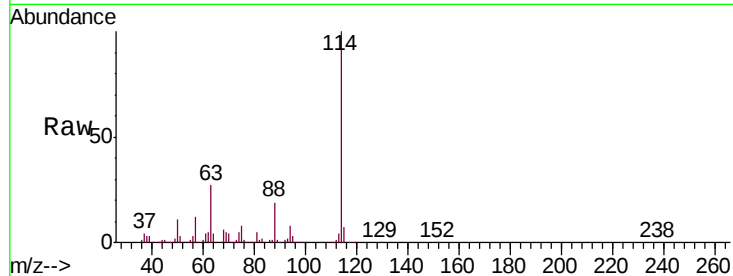




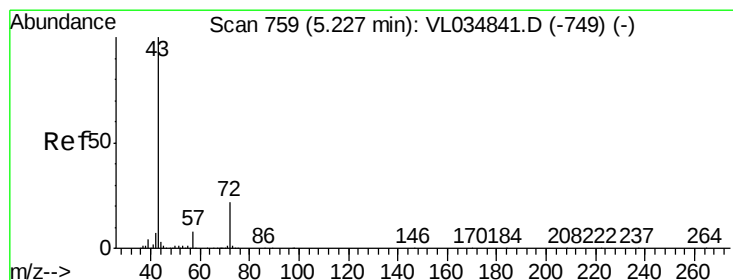
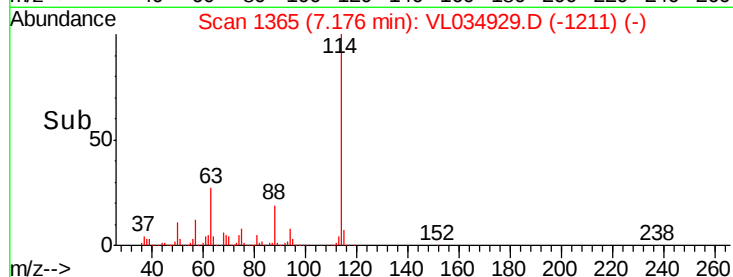
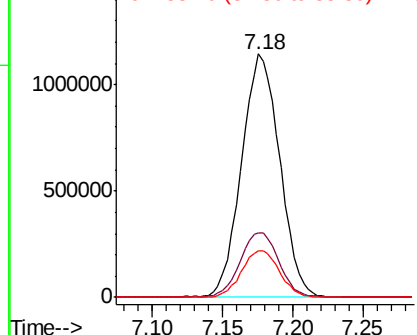
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

Tgt Ion:114 Resp: 2174768
 Ion Ratio Lower Upper
 114 100
 63 27.5 20.6 31.0
 88 19.1 15.0 22.6

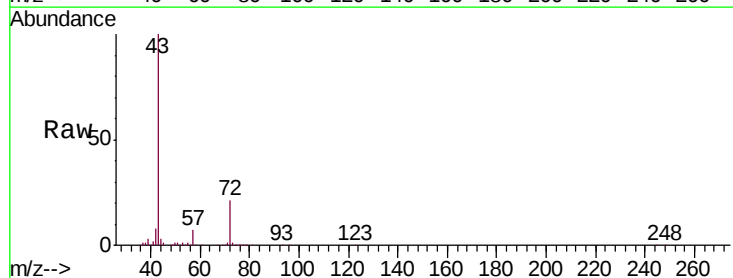


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

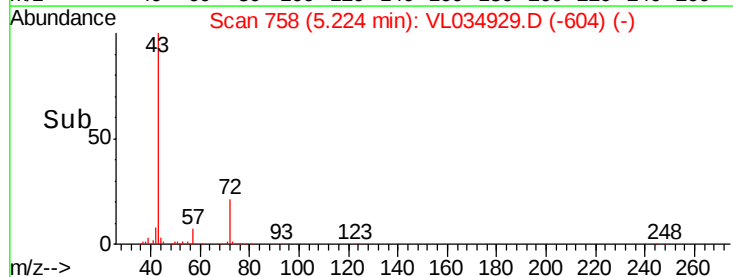
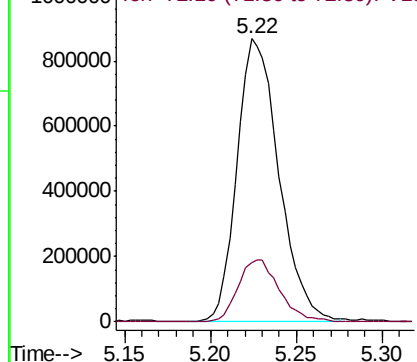


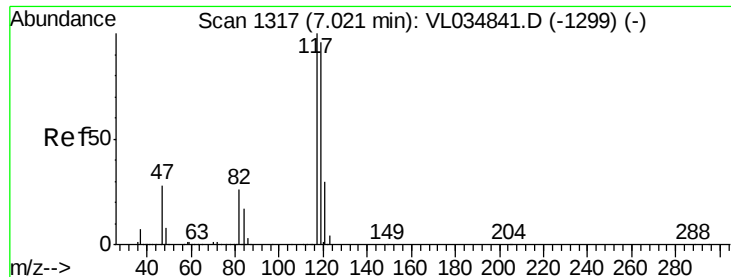
#34
 2-Butanone
 Concen: 10.153 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion: 43 Resp: 1467388
 Ion Ratio Lower Upper
 43 100
 72 21.9 17.6 26.4



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

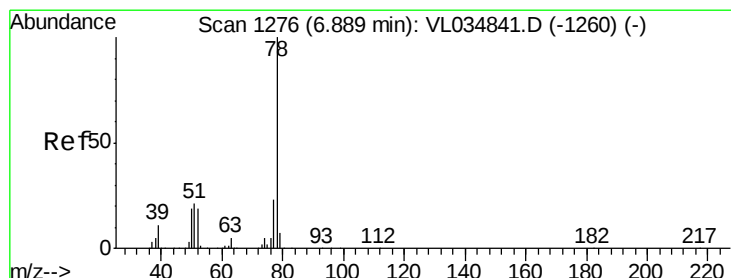
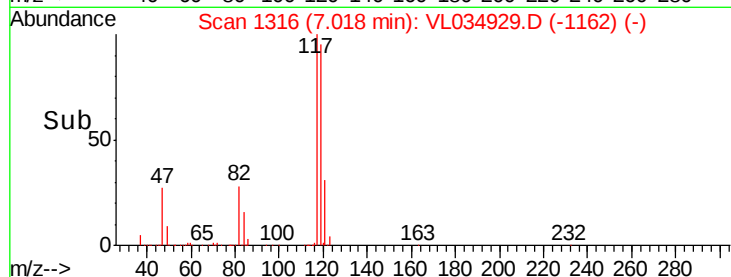
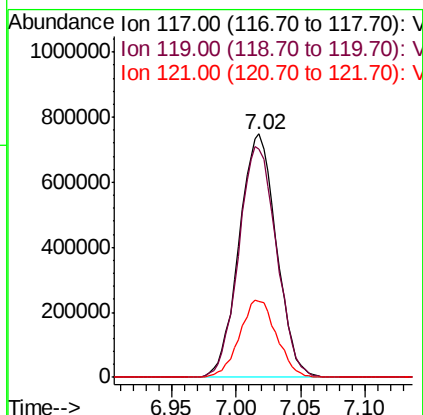
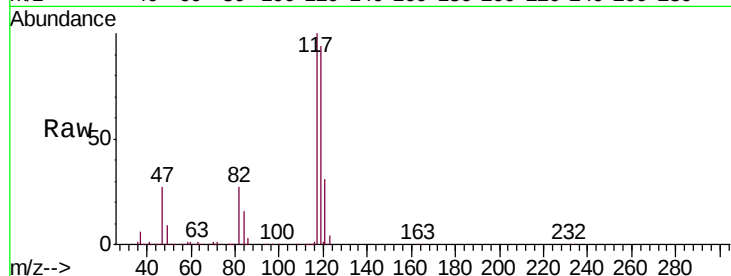




#35
Carbon Tetrachloride
Concen: 11.139 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

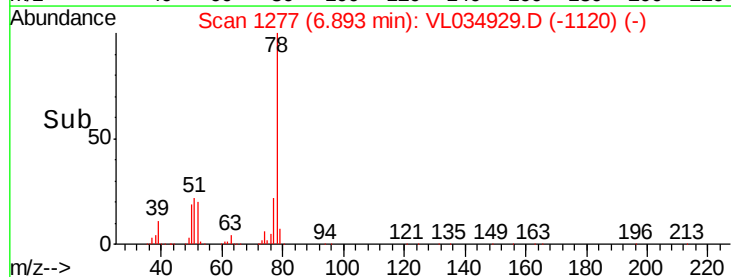
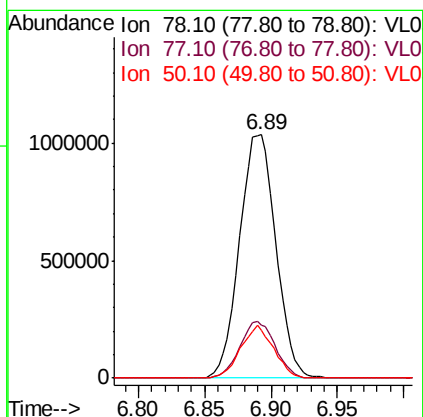
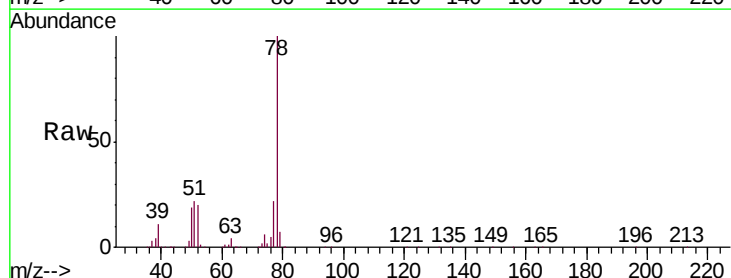
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

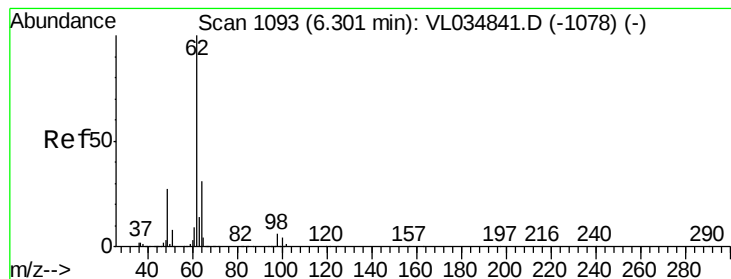
Tgt Ion:117 Resp: 1506704
Ion Ratio Lower Upper
117 100
119 93.8 77.0 115.4
121 31.1 24.0 36.0



#36
Benzene
Concen: 10.195 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 78 Resp: 1976267
Ion Ratio Lower Upper
78 100
77 21.6 18.2 27.2
50 19.4 15.2 22.8





#37

1,2-Dichloroethane

Concen: 10.775 ppbv

RT: 6.30 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

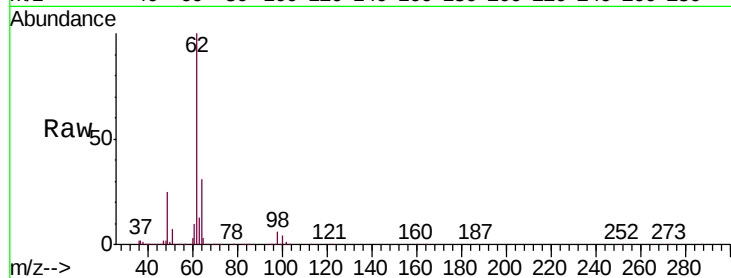
VL0323ABS01

Tgt Ion: 62 Resp: 1177706

Ion Ratio Lower Upper

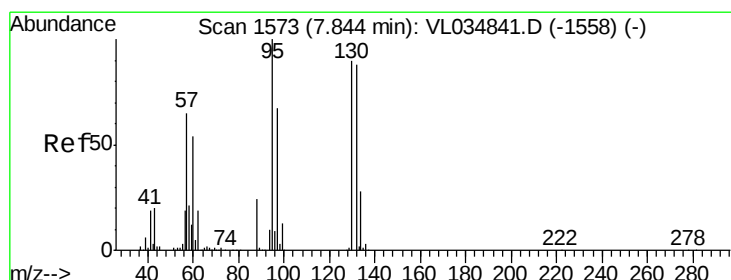
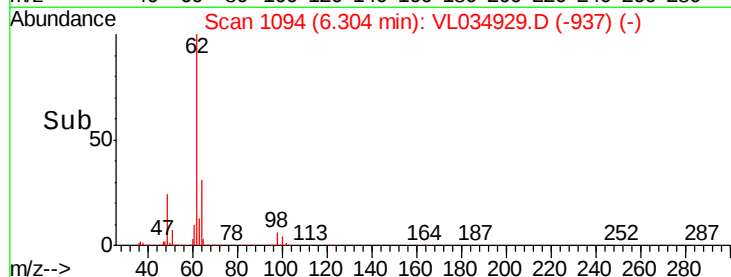
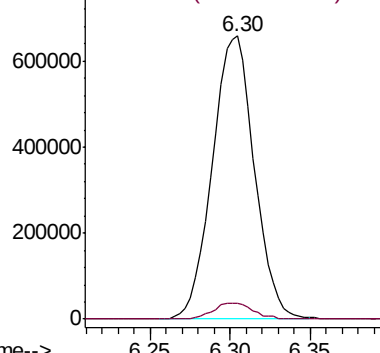
62 100

98 5.8 5.2 7.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 9.997 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Tgt Ion: 130 Resp: 736018

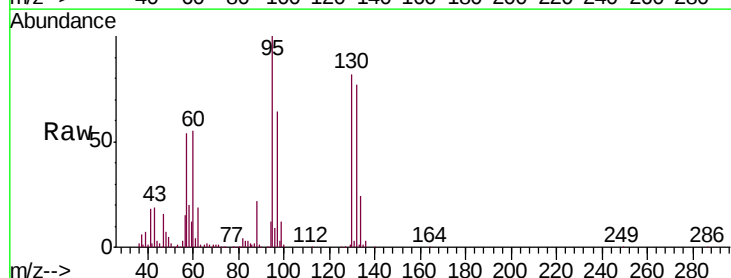
Ion Ratio Lower Upper

130 100

95 122.9 88.5 132.7

132 94.8 78.0 117.0

97 78.6 59.3 88.9

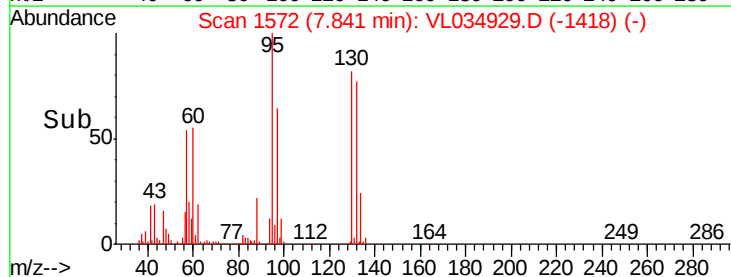
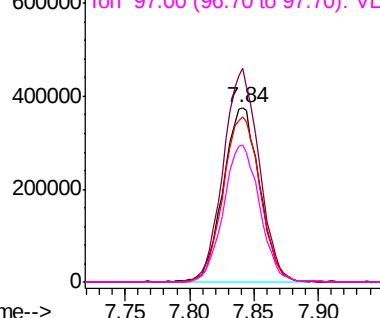


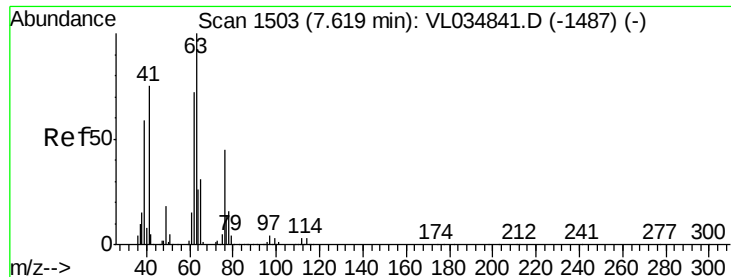
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 10.231 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

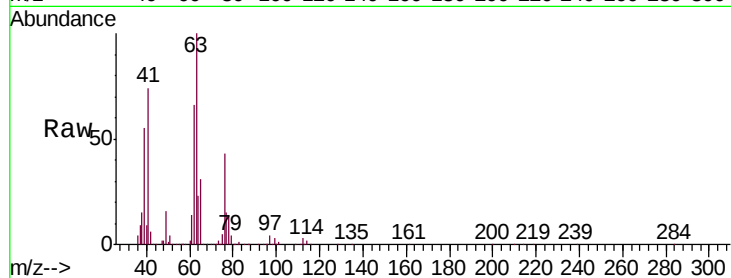
Tgt Ion: 63 Resp: 785736

Ion Ratio Lower Upper

63 100

41 74.2 59.8 89.8

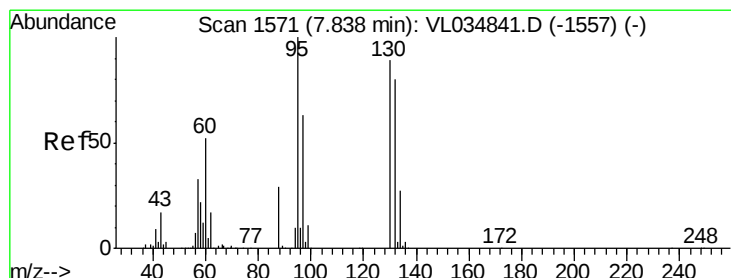
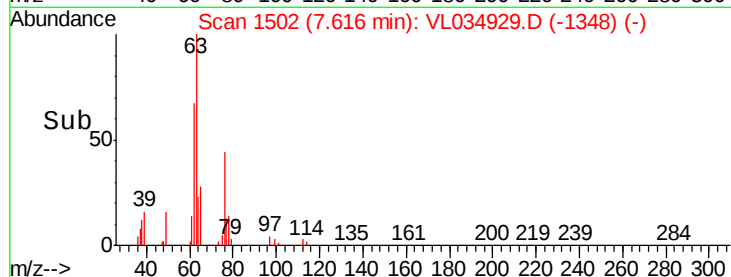
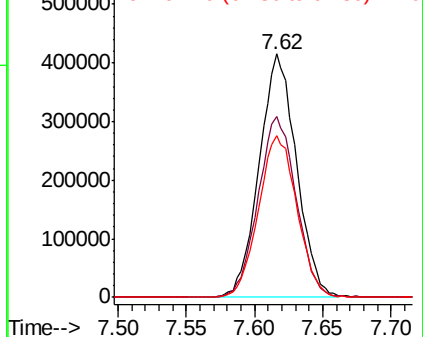
62 66.4 57.6 86.4



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: 8.664 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Tgt Ion: 88 Resp: 251301

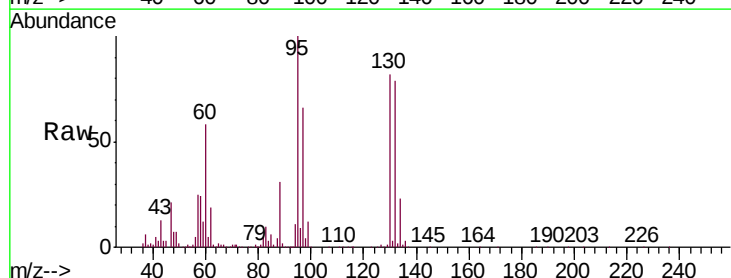
Ion Ratio Lower Upper

88 100

58 144.7 103.9 155.9

43 0.0 0.0 0.0

57 0.0 0.0 0.0

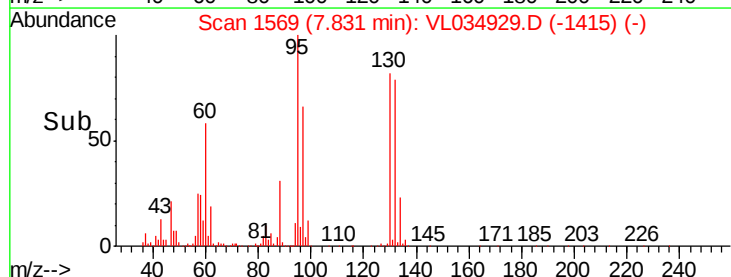
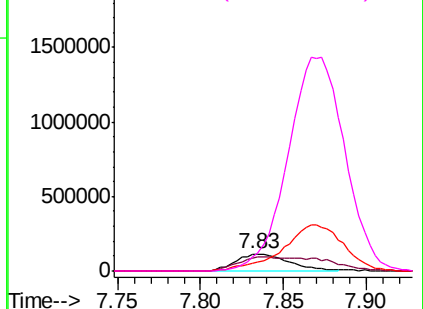


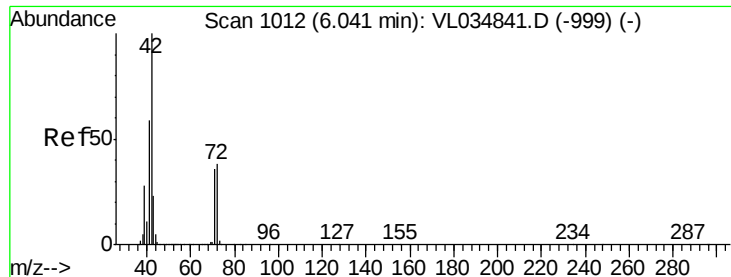
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

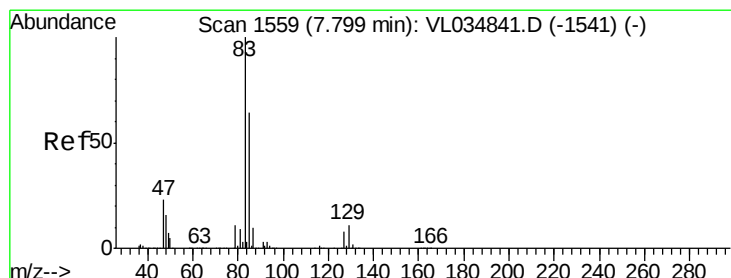
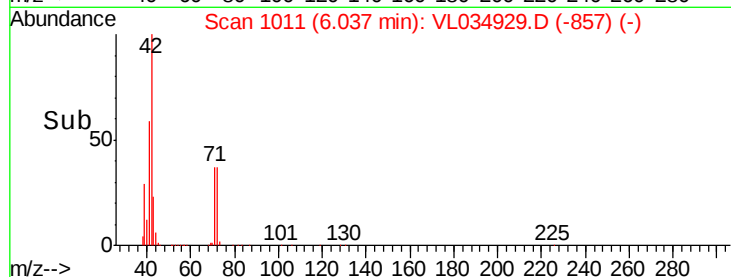
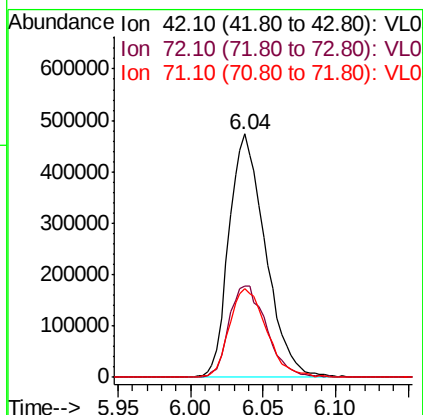
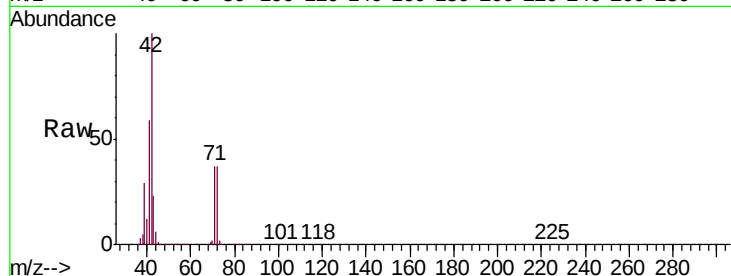




#41
Tetrahydrofuran
Concen: 10.574 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

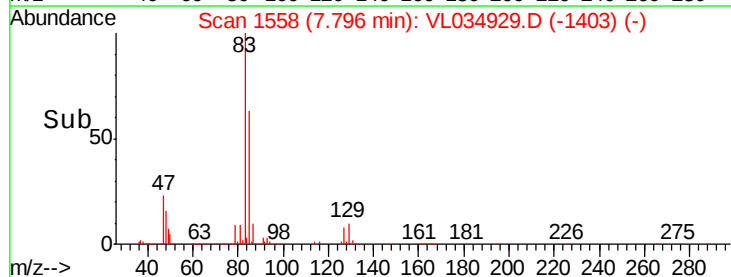
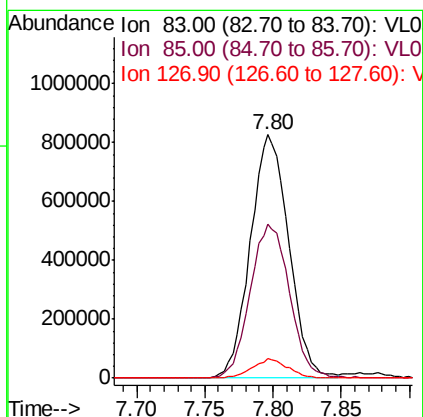
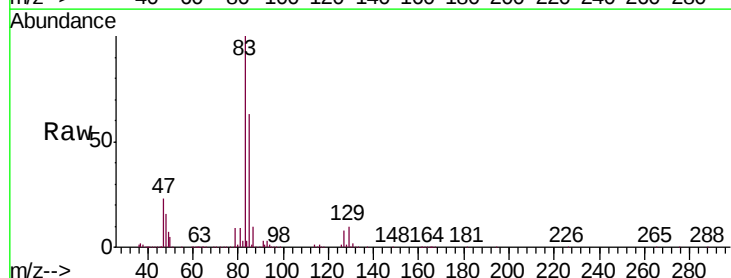
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

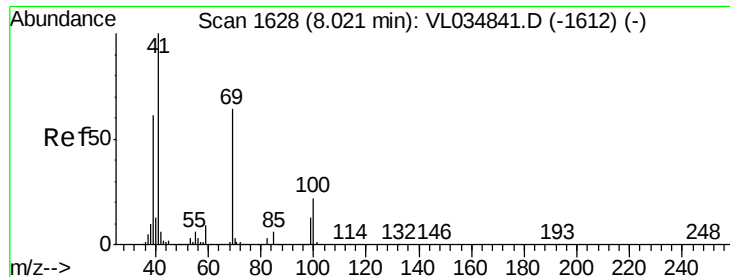
Tgt Ion: 42 Resp: 826930
Ion Ratio Lower Upper
42 100
72 38.8 30.8 46.2
71 37.5 30.1 45.1



#42
Bromodichloromethane
Concen: 10.878 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 83 Resp: 1620465
Ion Ratio Lower Upper
83 100
85 63.5 51.4 77.2
127 8.0 6.2 9.4

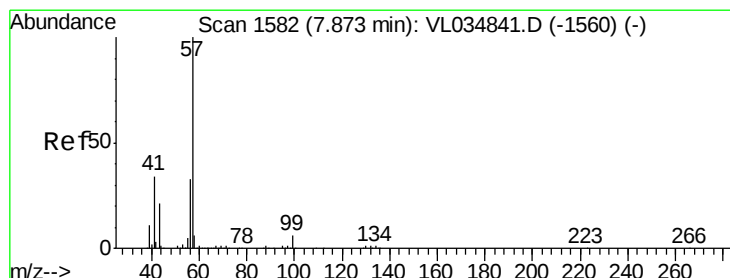
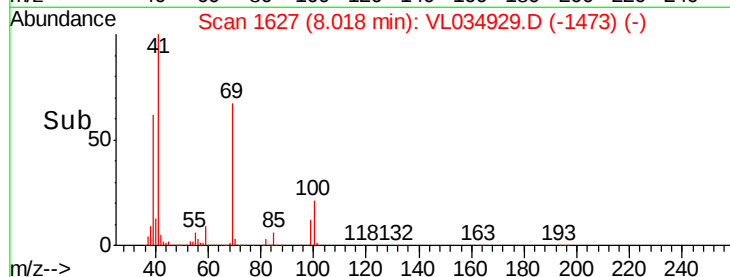
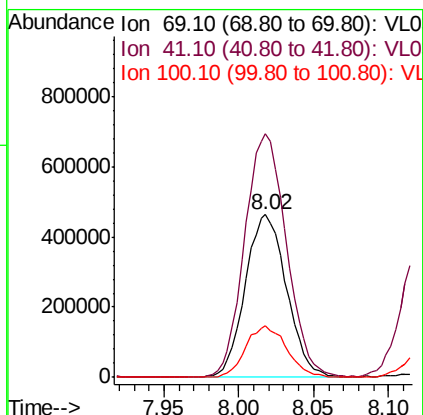
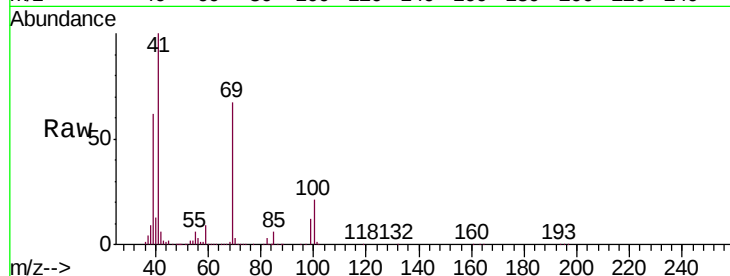




#43
Methyl Methacrylate
Concen: 10.936 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

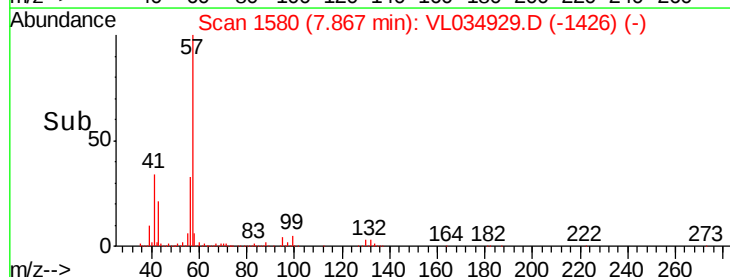
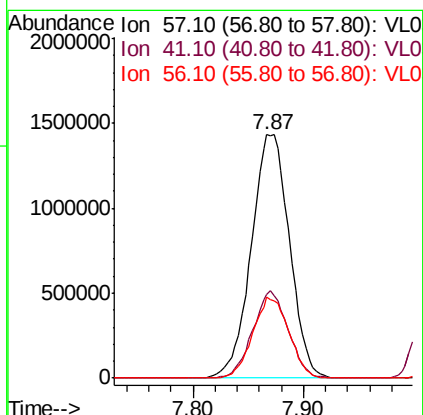
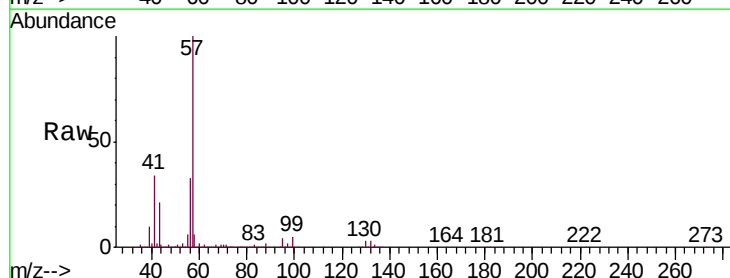
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

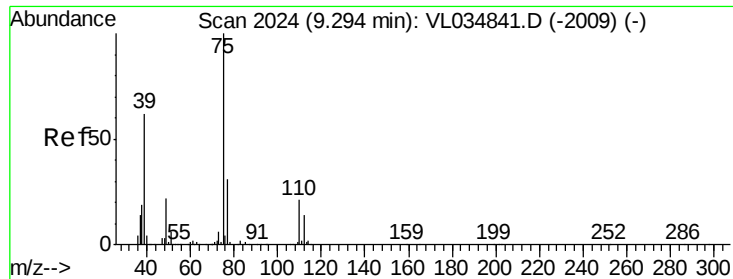
Tgt Ion: 69 Resp: 893082
Ion Ratio Lower Upper
69 100
41 151.0 123.2 184.8
100 31.7 26.9 40.3



#44
2,2,4-Trimethylpentane
Concen: 10.496 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.01 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 57 Resp: 3438235
Ion Ratio Lower Upper
57 100
41 33.2 26.2 39.4
56 31.5 25.0 37.4

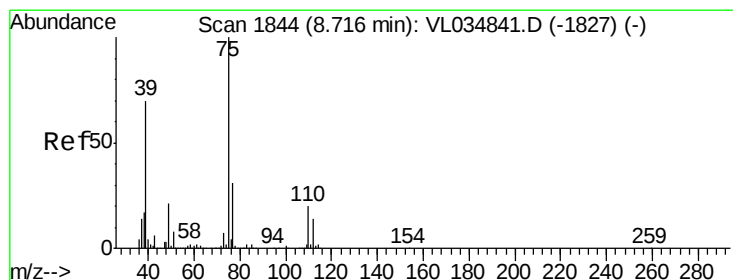
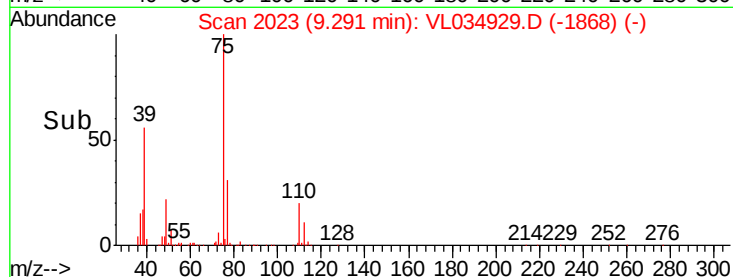
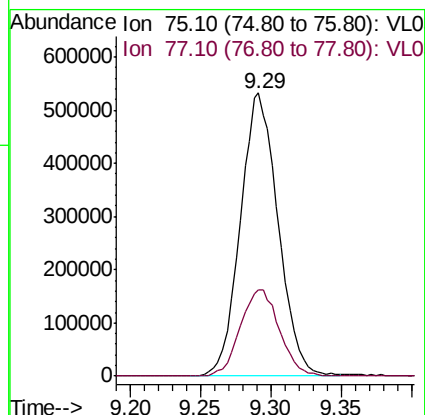
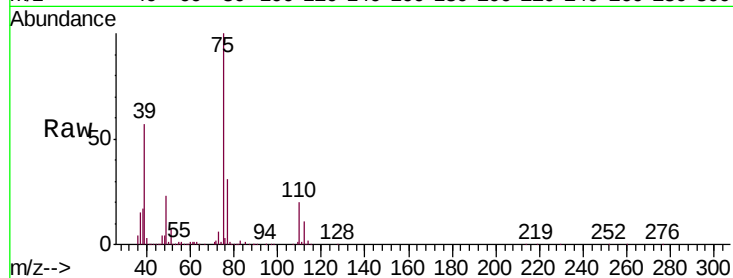




#45
t-1,3-Dichloropropene
Concen: 10.389 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

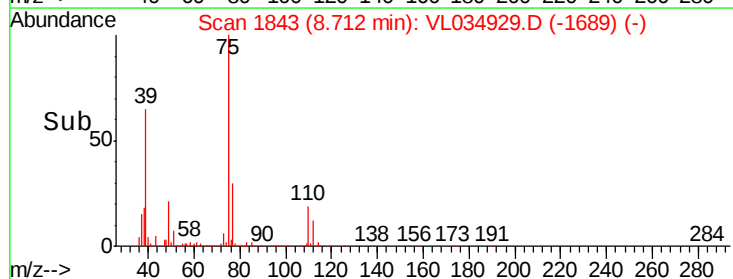
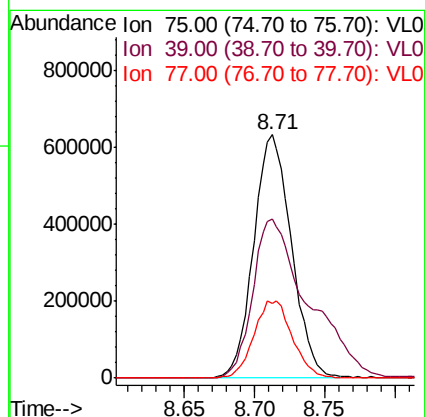
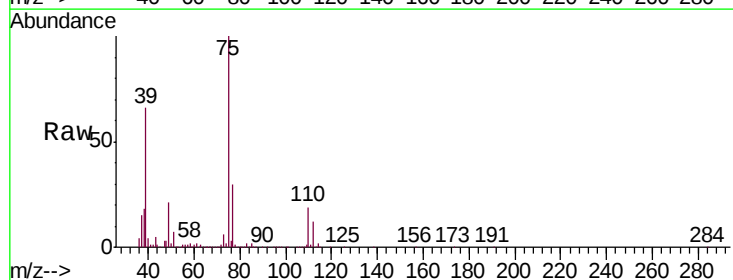
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

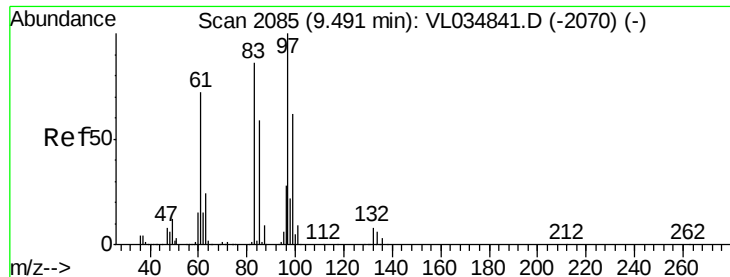
Tgt Ion: 75 Resp: 996764
Ion Ratio Lower Upper
75 100
77 30.5 24.6 37.0



#46
cis-1,3-Dichloropropene
Concen: 10.378 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 75 Resp: 1183201
Ion Ratio Lower Upper
75 100
39 65.4 55.7 83.5
77 30.4 24.7 37.1

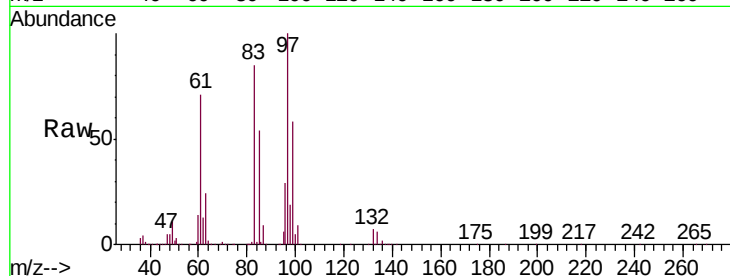




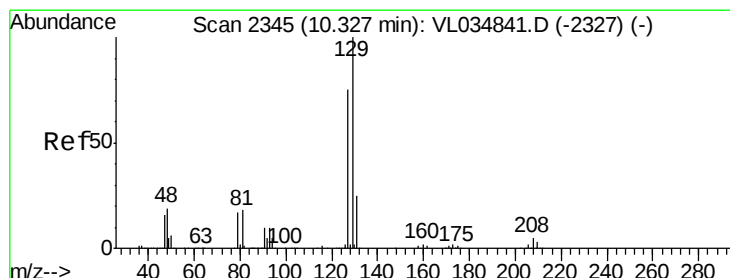
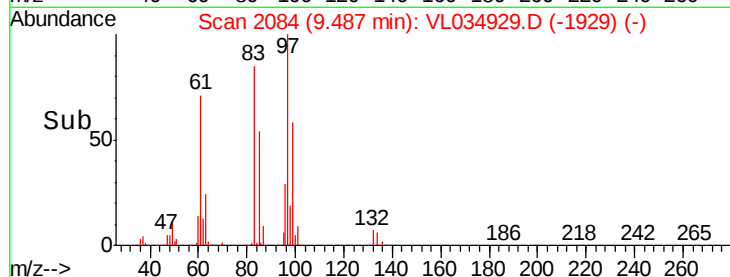
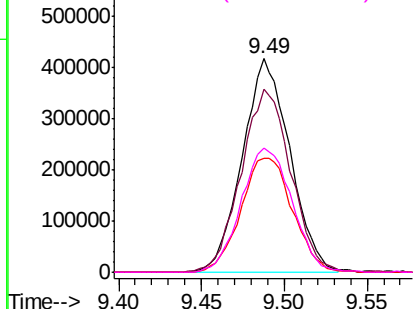
#47
 1,1,2-Trichloroethane
 Concen: 10.454 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

Tgt Ion: 97 Resp: 824003
 Ion Ratio Lower Upper
 97 100
 83 85.4 68.6 102.8
 85 53.8 46.9 70.3
 99 57.8 49.9 74.9

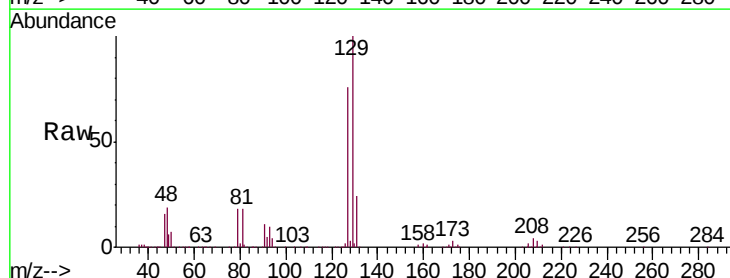


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

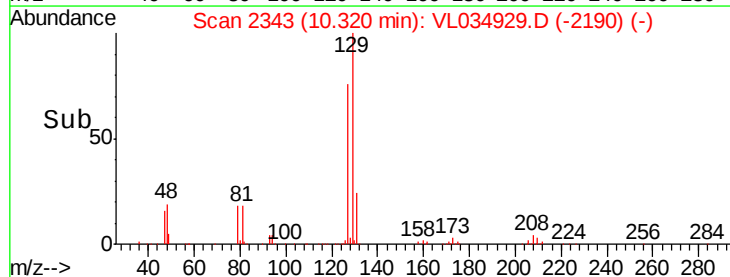
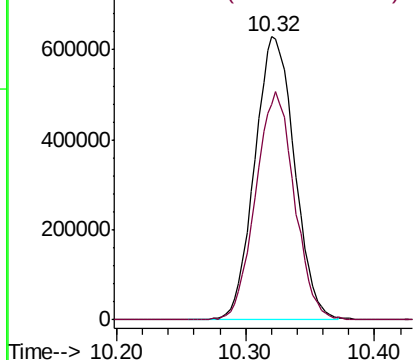


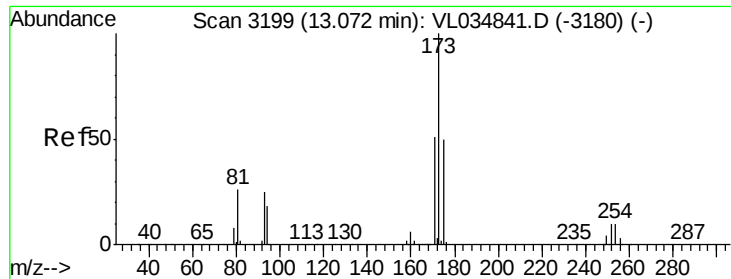
#48
 Dibromochloromethane
 Concen: 10.627 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion: 129 Resp: 1356441
 Ion Ratio Lower Upper
 129 100
 127 78.4 39.6 118.7



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





#49

Bromoform

Concen: 10.696 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

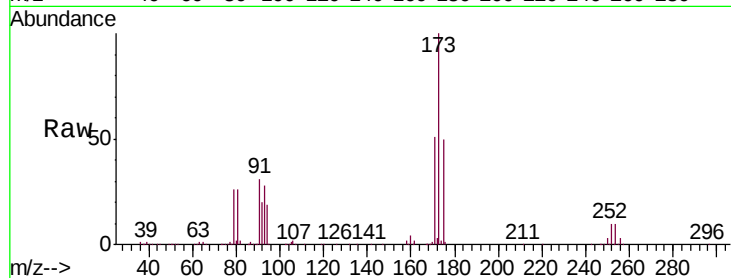
Tgt Ion:173 Resp: 1217291

Ion Ratio Lower Upper

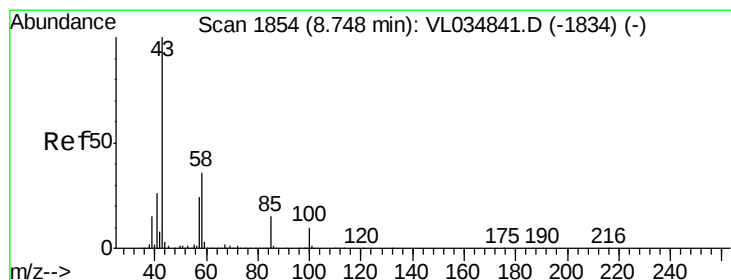
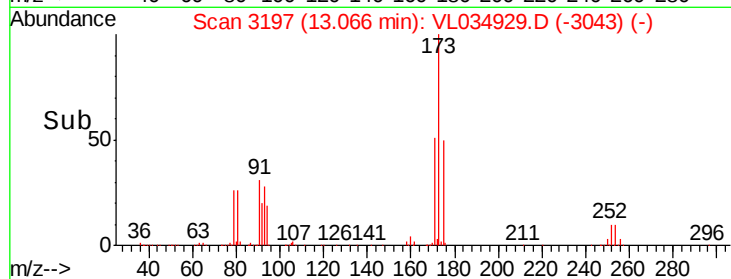
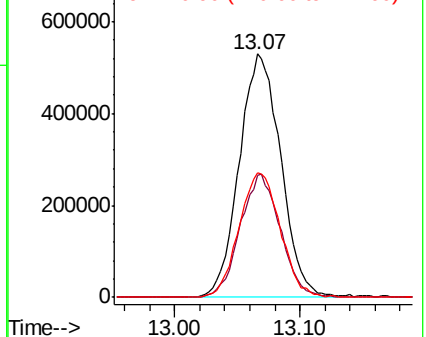
173 100

175 49.1 39.6 59.4

171 51.3 41.0 61.6



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: 10.738 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VL034929.D

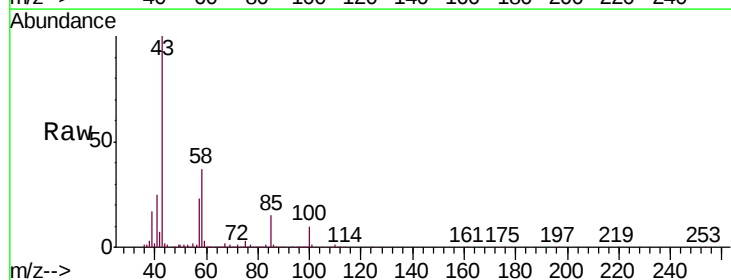
Acq: 23 Mar 2020 13:57

Tgt Ion: 43 Resp: 2233988

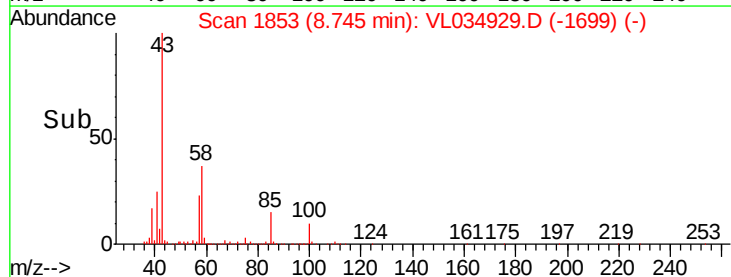
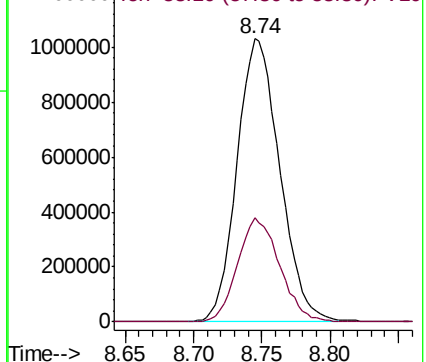
Ion Ratio Lower Upper

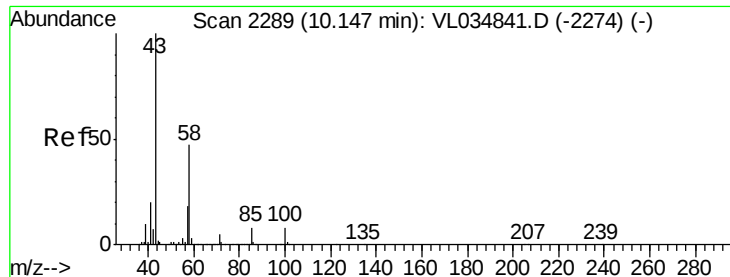
43 100

58 36.3 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

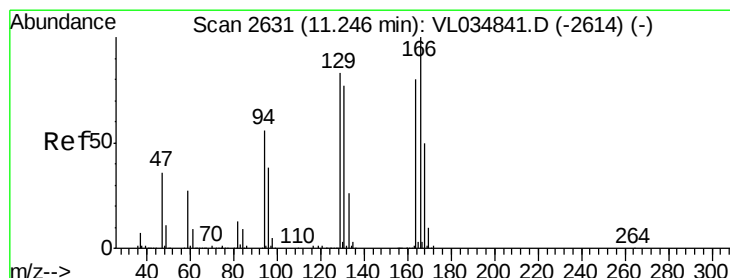
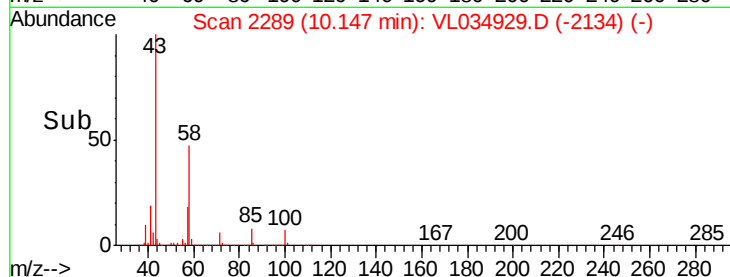
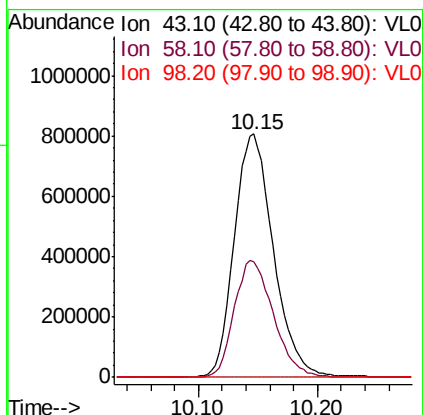
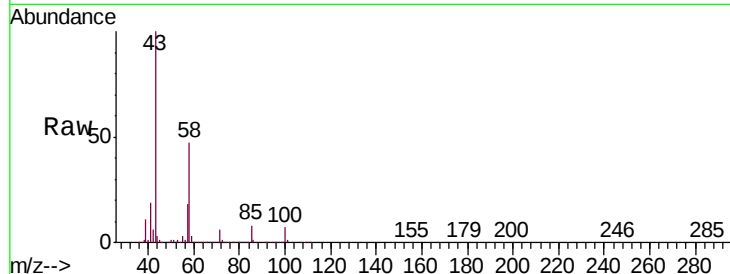




#51
2-Hexanone
Concen: 10.852 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

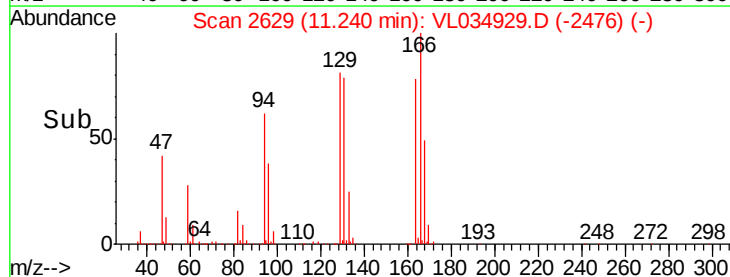
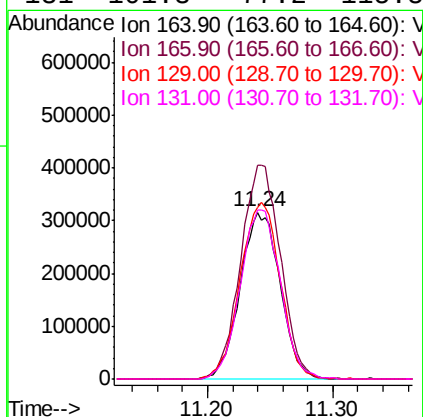
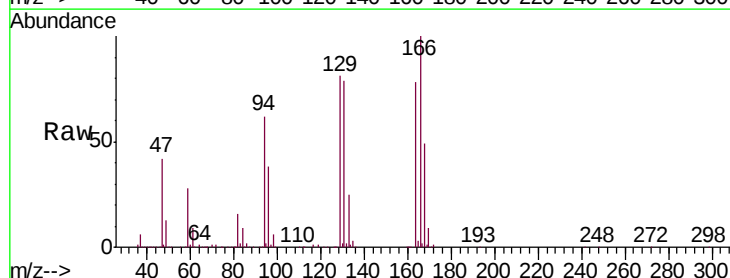
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

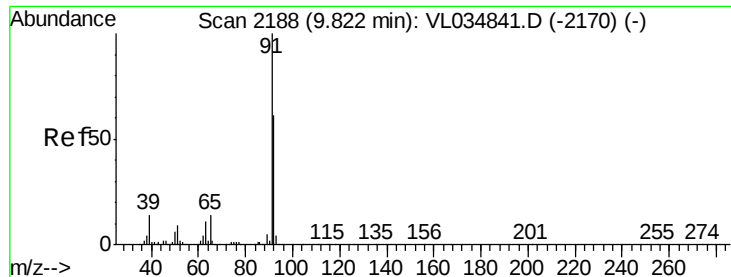
Tgt Ion: 43 Resp: 1834872
Ion Ratio Lower Upper
43 100
58 48.3 38.6 58.0
98 0.4 0.1 0.1#



#52
Tetrachloroethene
Concen: 9.092 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 164 Resp: 697266
Ion Ratio Lower Upper
164 100
166 128.0 100.0 150.0
129 103.0 83.1 124.7
131 101.3 77.2 115.8





#53

Toluene

Concen: 10.312 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

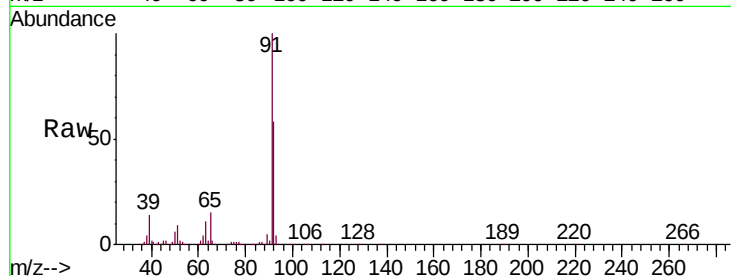
VL0323ABS01

Tgt Ion: 91 Resp: 2308336

Ion Ratio Lower Upper

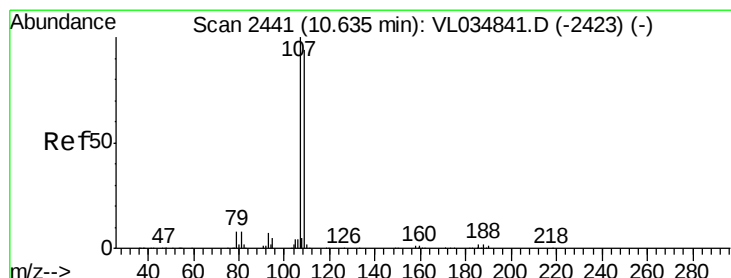
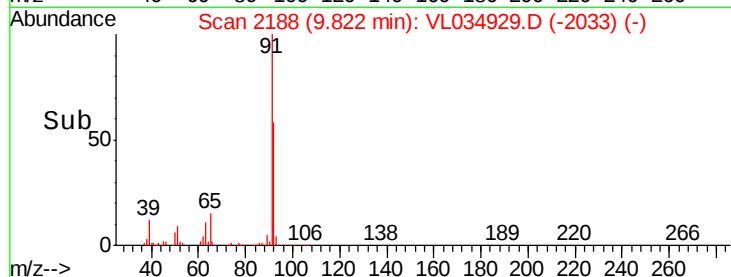
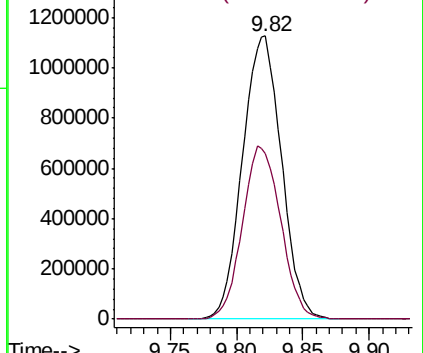
91 100

92 60.1 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.439 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034929.D

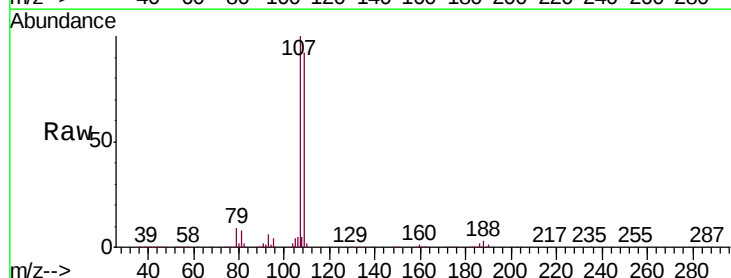
Acq: 23 Mar 2020 13:57

Tgt Ion: 107 Resp: 1238544

Ion Ratio Lower Upper

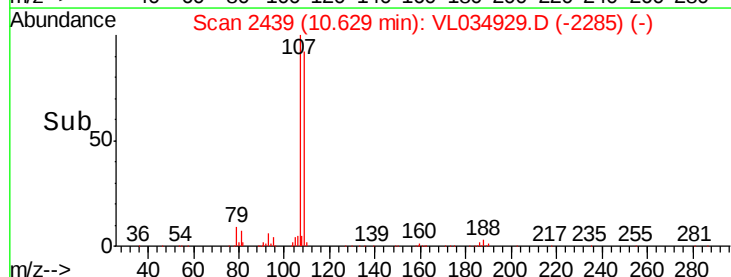
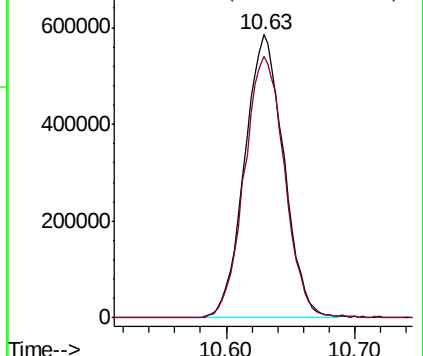
107 100

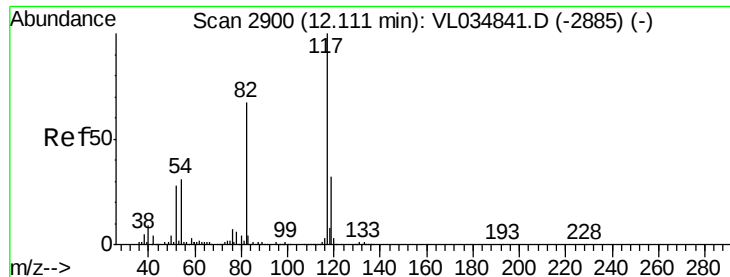
109 92.5 74.9 112.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

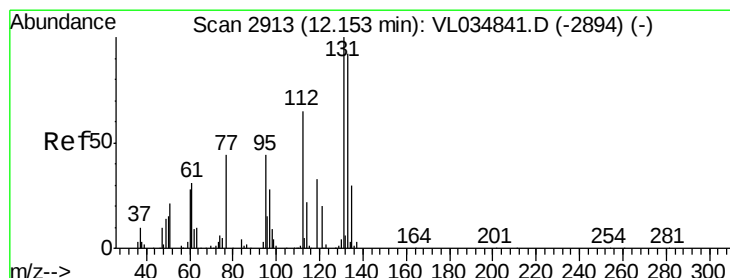
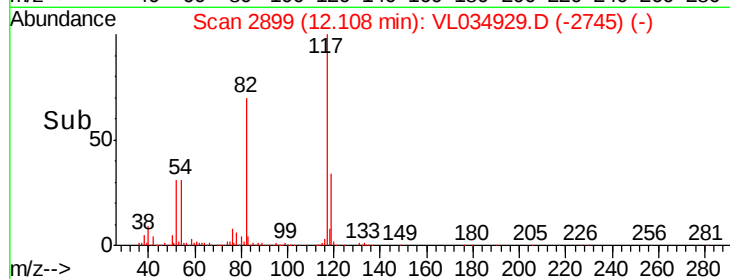
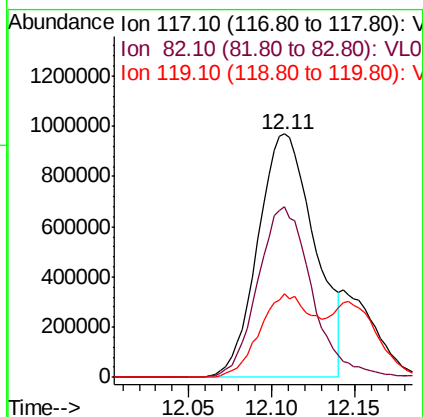
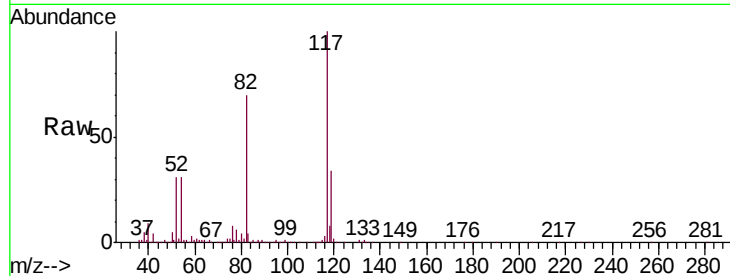




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

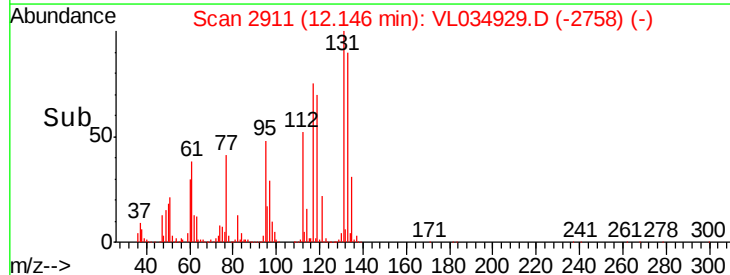
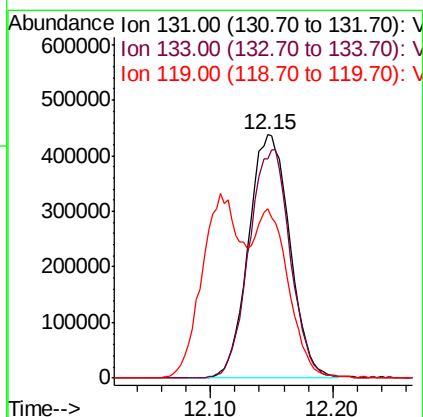
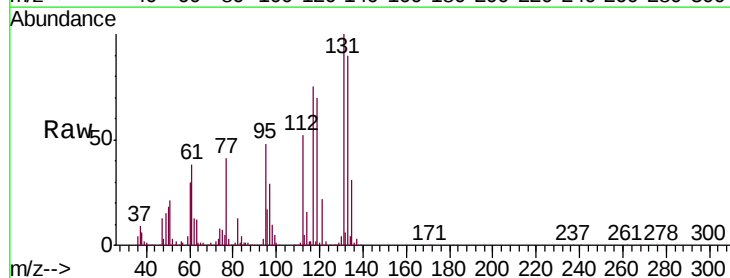
Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

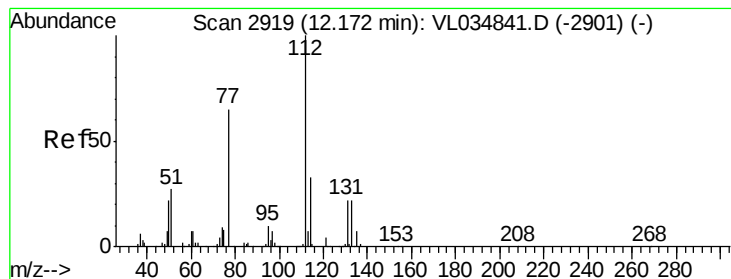
Tgt Ion:117 Resp: 2317262
Ion Ratio Lower Upper
117 100
82 67.2 51.1 76.7
119 30.3 27.3 40.9



#56
1,1,1,2-Tetrachloroethane
Concen: 9.839 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.01 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion:131 Resp: 1024190
Ion Ratio Lower Upper
131 100
133 94.4 76.0 114.0
119 54.8 47.8 71.8





#57

Chlorobenzene

Concen: 9.631 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

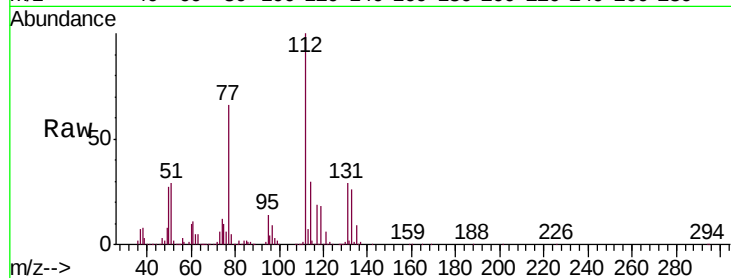
Tgt Ion: 112 Resp: 1746145

Ion Ratio Lower Upper

112 100

77 65.5 53.0 79.6

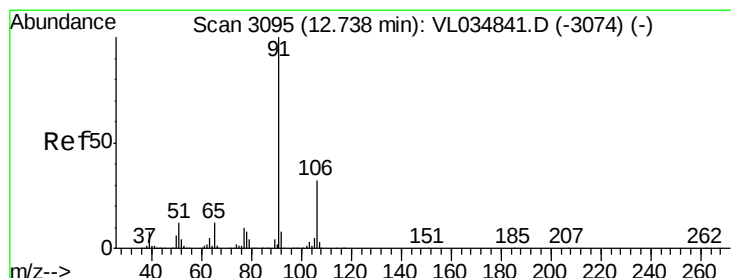
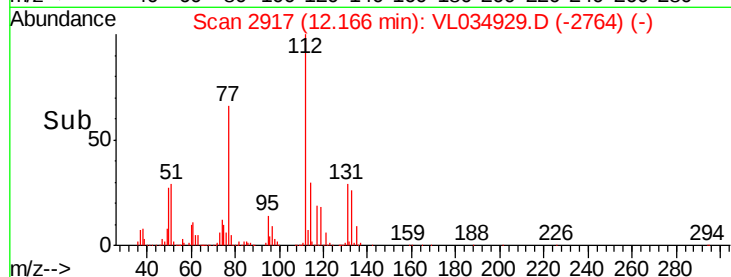
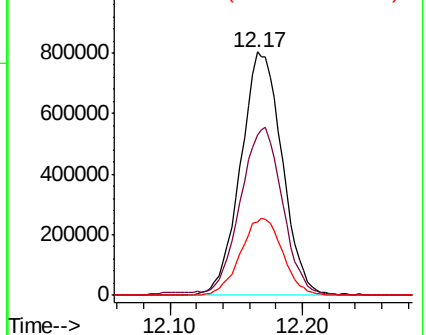
114 29.9 29.5 36.1



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.026 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.01 min

Lab File: VL034929.D

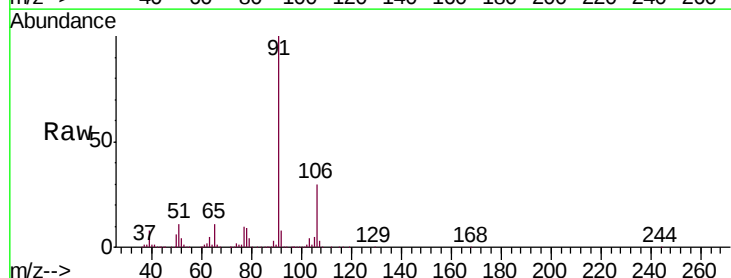
Acq: 23 Mar 2020 13:57

Tgt Ion: 91 Resp: 3146179

Ion Ratio Lower Upper

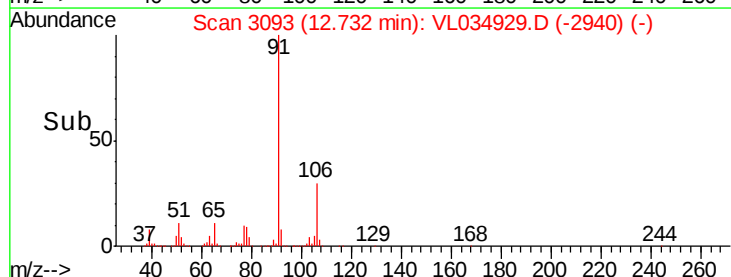
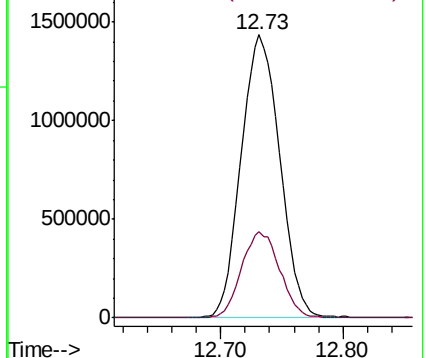
91 100

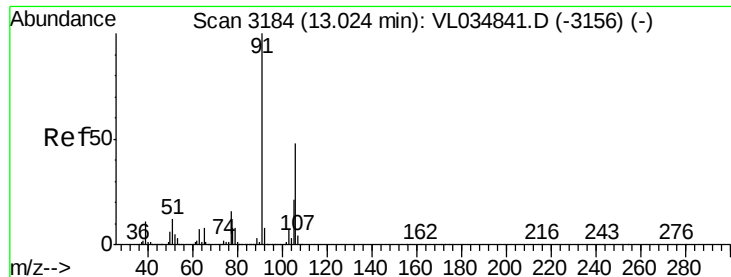
106 30.3 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.747 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

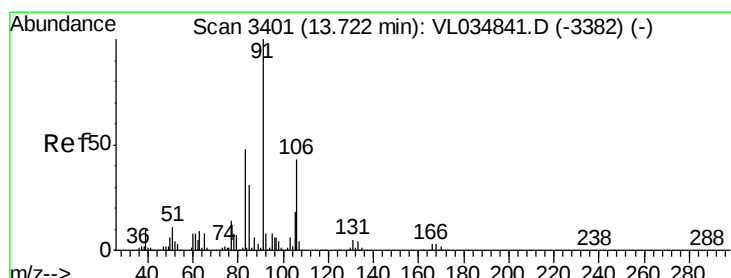
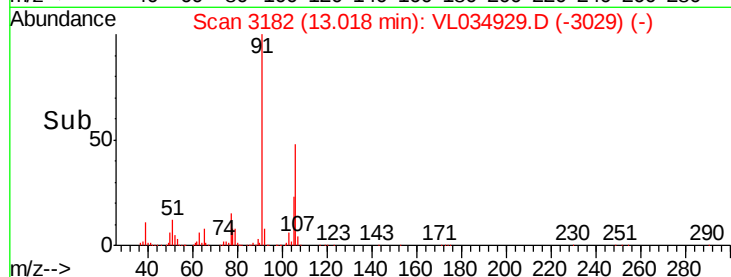
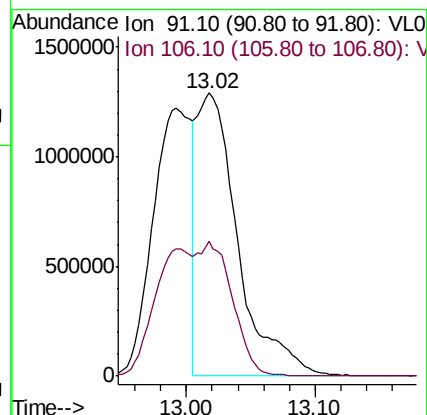
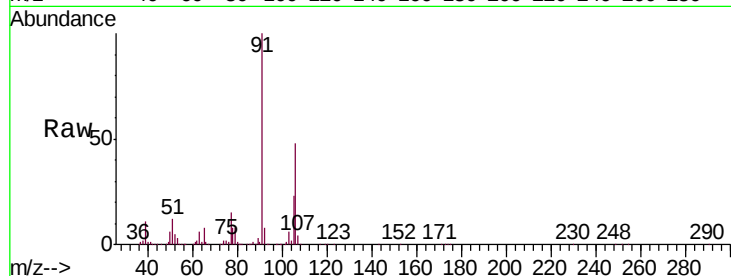
VL0323ABS01

Tgt Ion: 91 Resp: 2825498

Ion Ratio Lower Upper

91 100

106 83.7 37.1 55.7#



#60

o-Xylene

Concen: 10.018 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VL034929.D

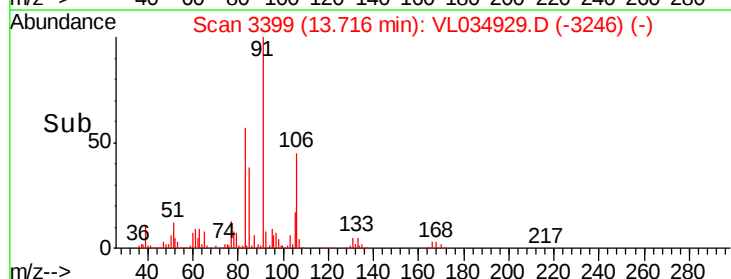
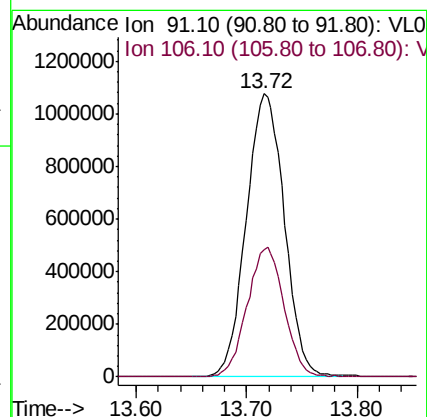
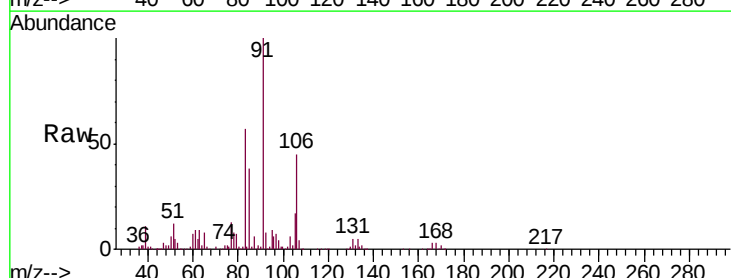
Acq: 23 Mar 2020 13:57

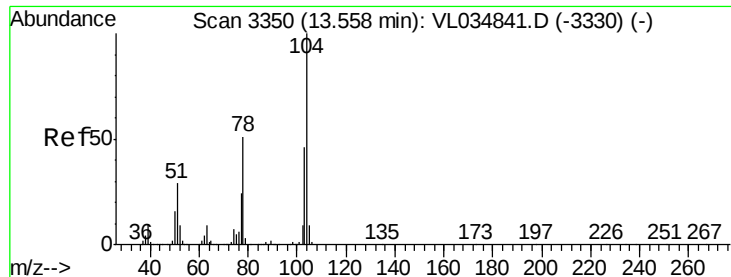
Tgt Ion: 91 Resp: 2571610

Ion Ratio Lower Upper

91 100

106 44.3 22.5 67.5





#61

Styrene

Concen: 10.324 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

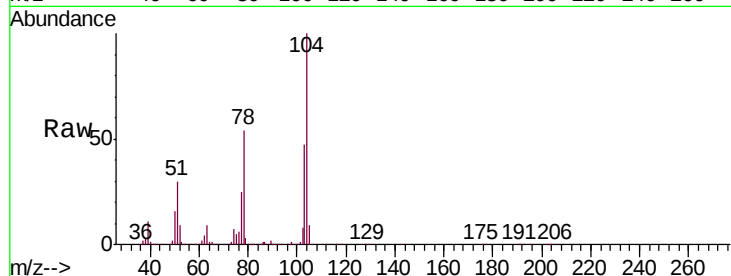
Tgt Ion:104 Resp: 1859840

Ion Ratio Lower Upper

104 100

78 53.7 41.8 62.6

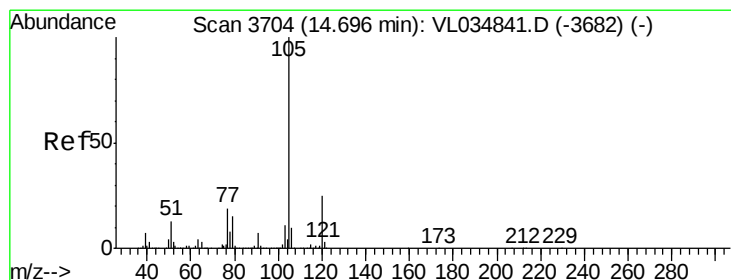
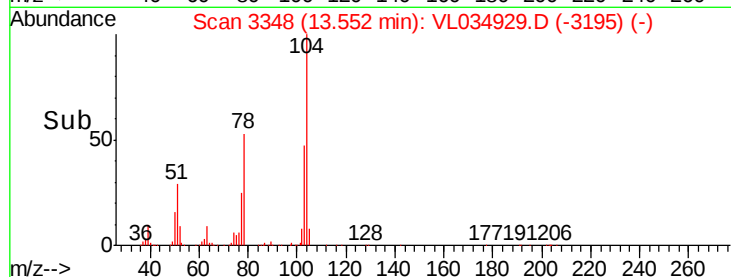
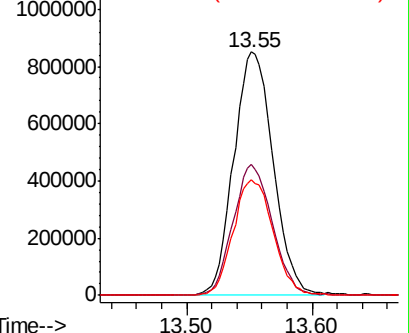
103 48.2 37.8 56.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.768 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL034929.D

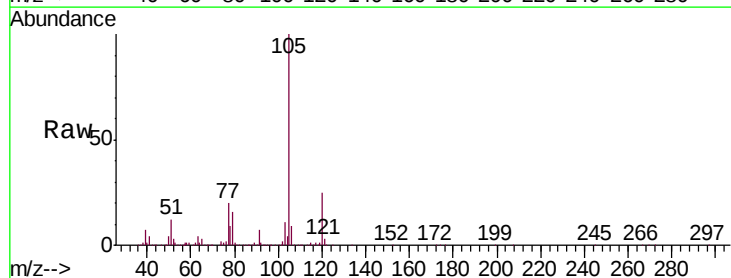
Acq: 23 Mar 2020 13:57

Tgt Ion:105 Resp: 3791389

Ion Ratio Lower Upper

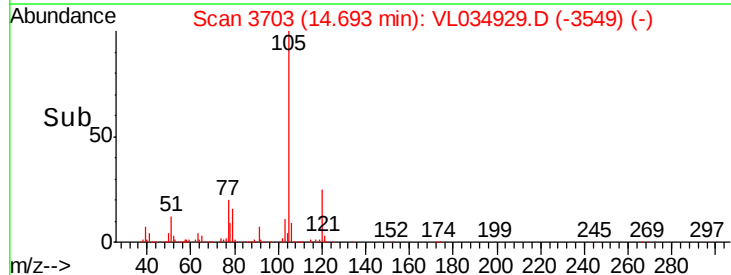
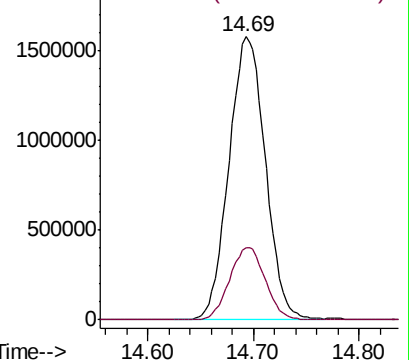
105 100

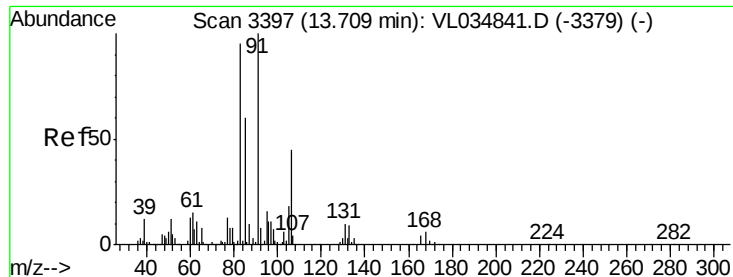
120 25.2 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

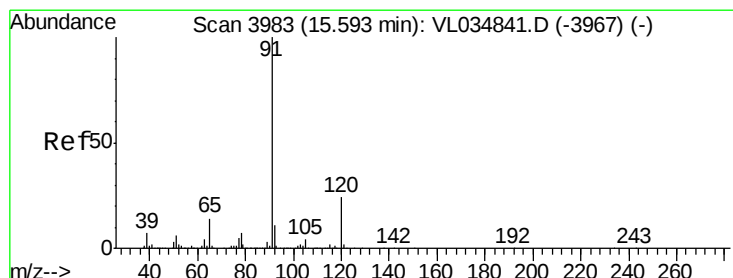
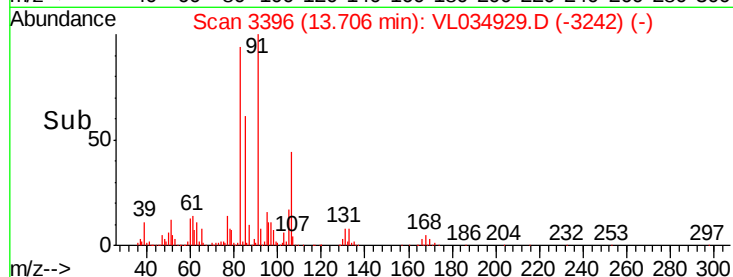
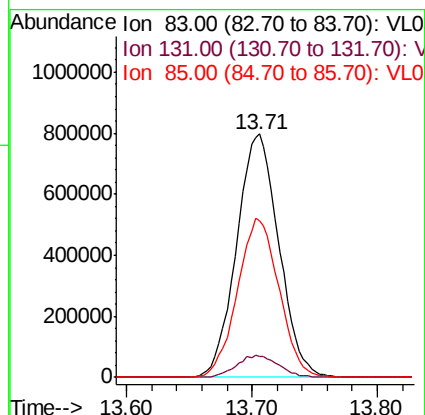
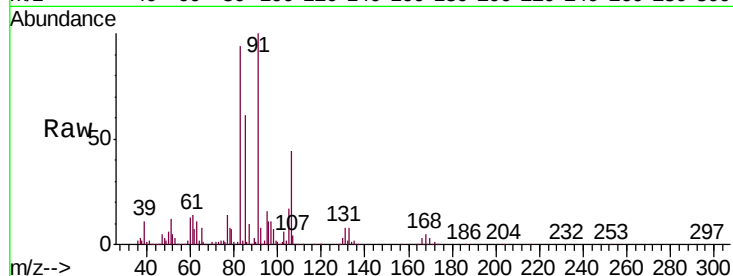




#63
 1,1,2,2-Tetrachloroethane
 Concen: 10.654 ppbv
 RT: 13.71 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

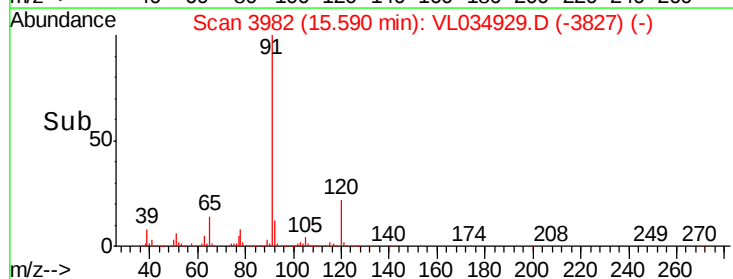
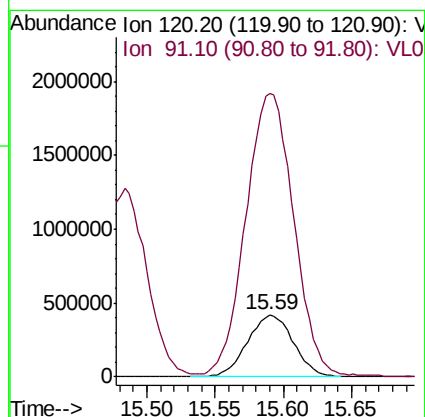
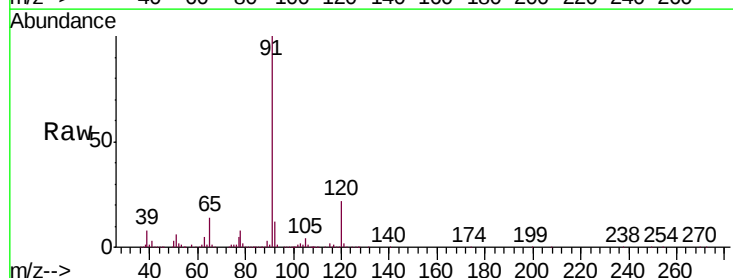
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

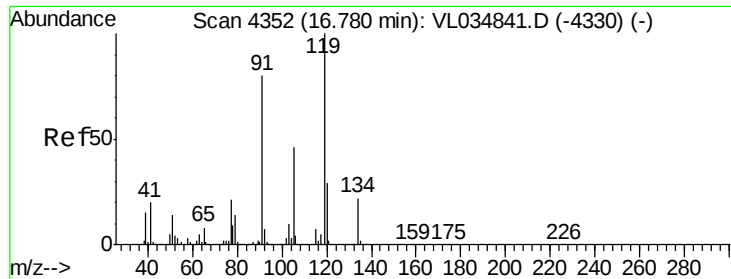
Tgt Ion: 83 Resp: 1856695
 Ion Ratio Lower Upper
 83 100
 131 9.1 5.0 14.9
 85 65.0 32.4 97.2



#64
 n-propylbenzene
 Concen: 9.740 ppbv
 RT: 15.59 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion: 120 Resp: 983980
 Ion Ratio Lower Upper
 120 100
 91 479.4 360.9 541.3





#65

tert-Butylbenzene

Concen: 9.648 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

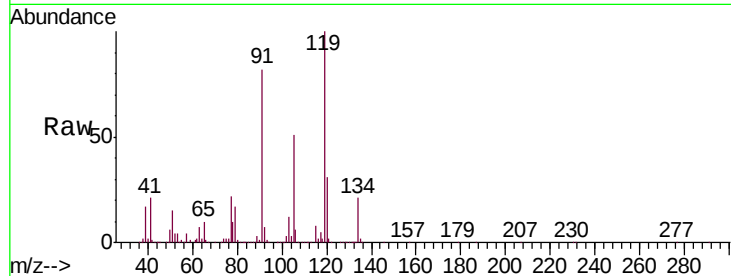
Tgt Ion: 119 Resp: 3273653

Ion Ratio Lower Upper

119 100

91 84.3 64.9 97.3

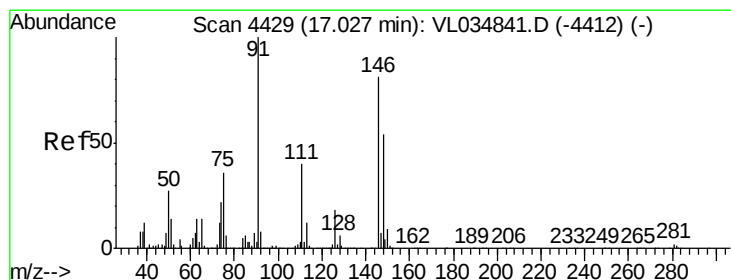
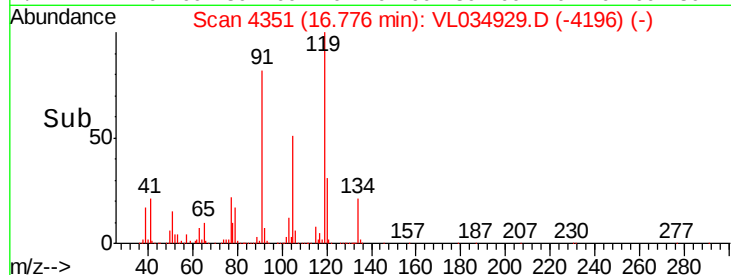
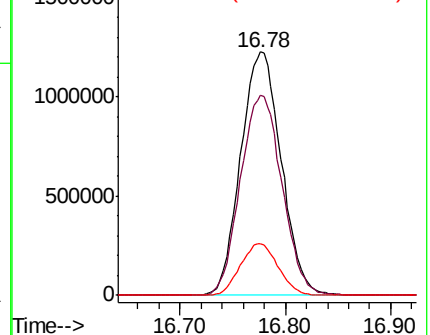
134 19.8 15.9 23.9



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.260 ppbv

RT: 17.02 min Scan# 4427

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

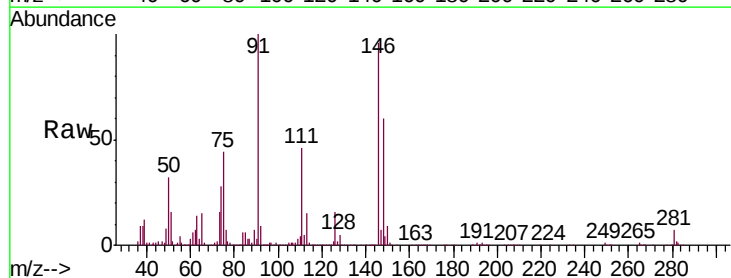
Tgt Ion: 91 Resp: 1310121

Ion Ratio Lower Upper

91 100

126 16.2 14.7 22.1

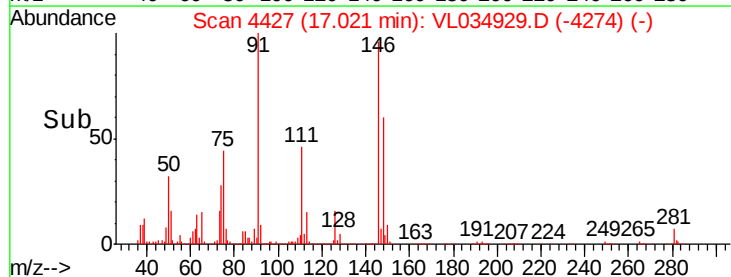
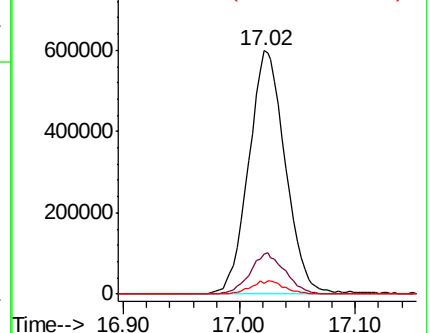
128 5.1 4.7 7.1

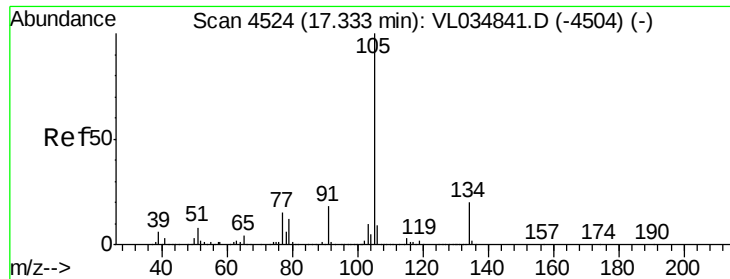


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

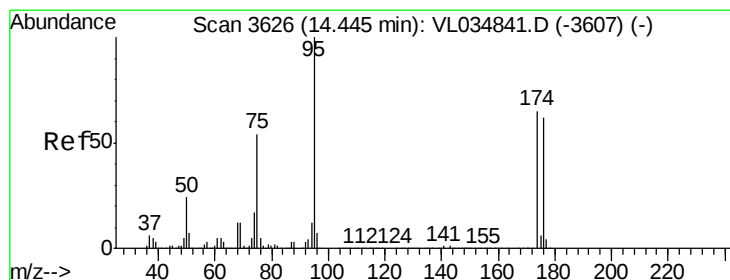
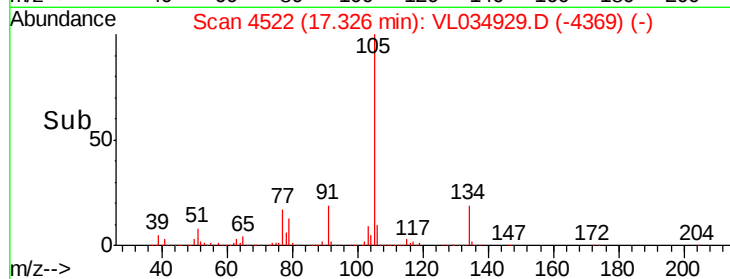
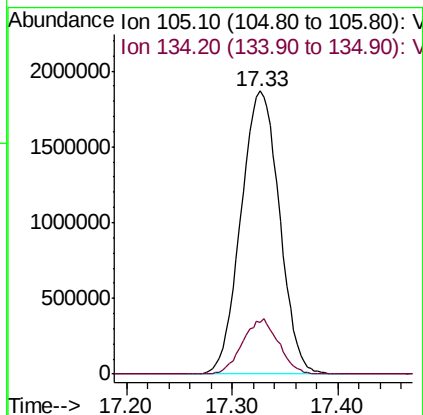
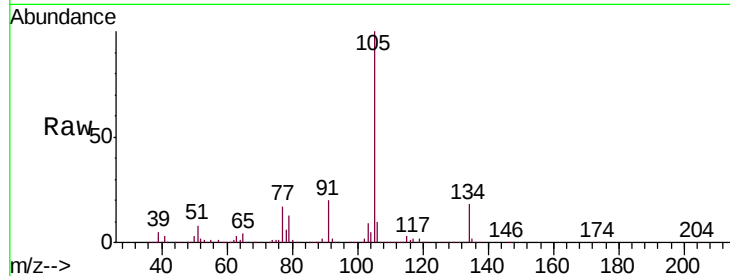




#67
 sec-Butylbenzene
 Concen: 10.080 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

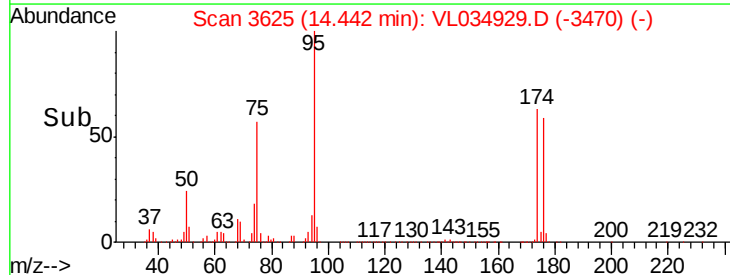
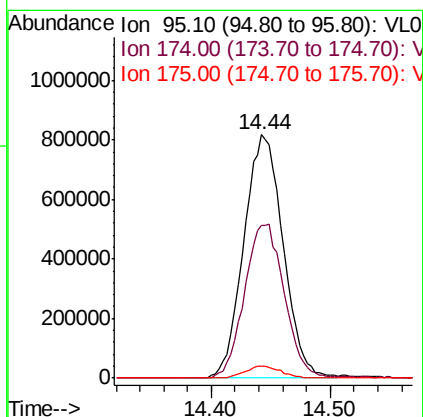
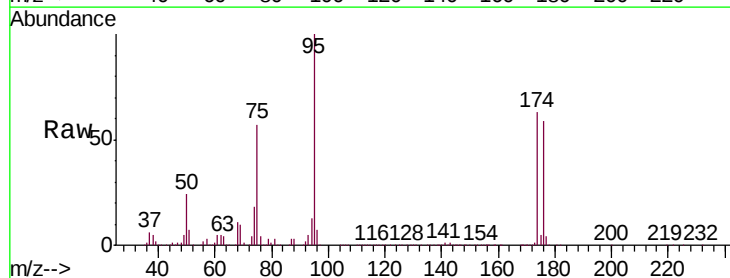
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

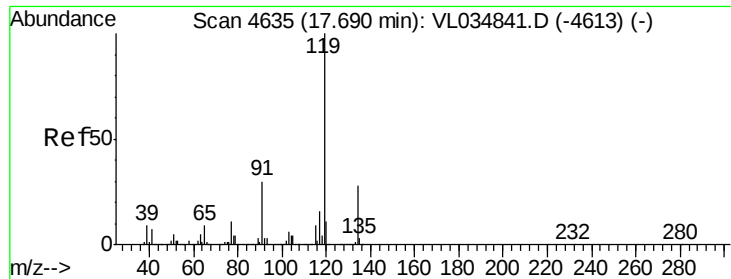
Tgt Ion: 105 Resp: 4742553
 Ion Ratio Lower Upper
 105 100
 134 18.4 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.332 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion: 95 Resp: 1867248
 Ion Ratio Lower Upper
 95 100
 174 64.4 55.2 82.8
 175 4.7 4.3 6.5

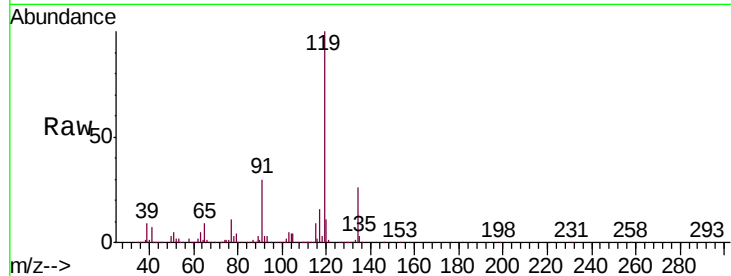




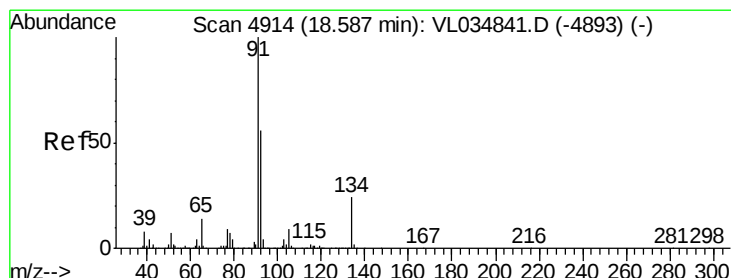
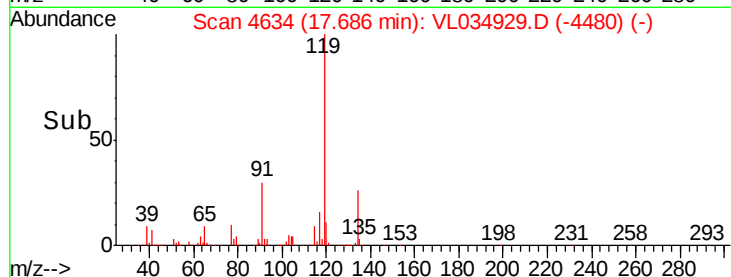
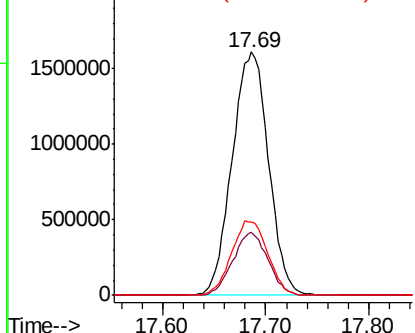
#69
p-Isopropyltoluene
Concen: 10.001 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL0323ABS01

Tgt Ion: 119 Resp: 3945582
Ion Ratio Lower Upper
119 100
134 25.2 20.6 30.8
91 30.6 23.4 35.2

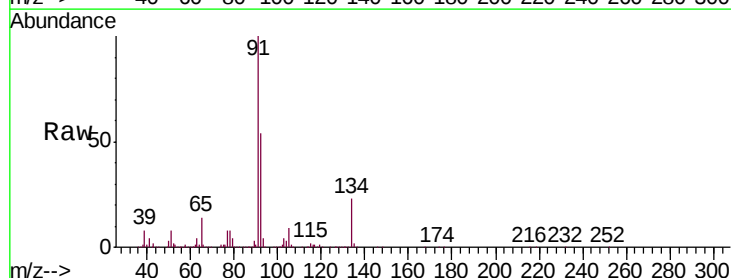


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

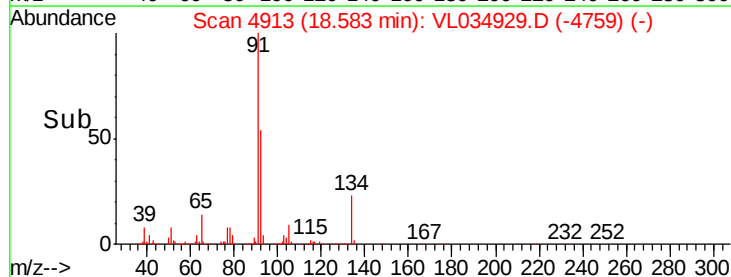
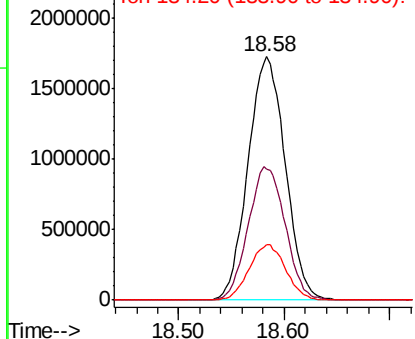


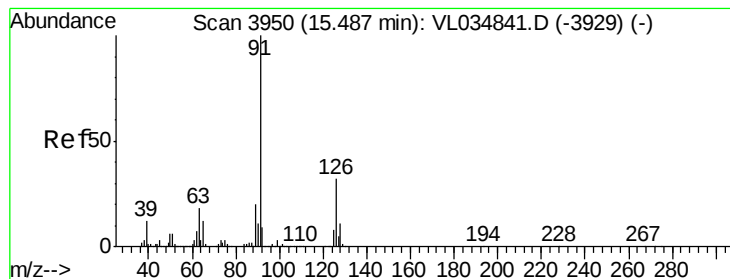
#70
n-Butylbenzene
Concen: 10.505 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL034929.D
Acq: 23 Mar 2020 13:57

Tgt Ion: 91 Resp: 4228505
Ion Ratio Lower Upper
91 100
92 54.5 43.8 65.6
134 22.4 19.0 28.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.983 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

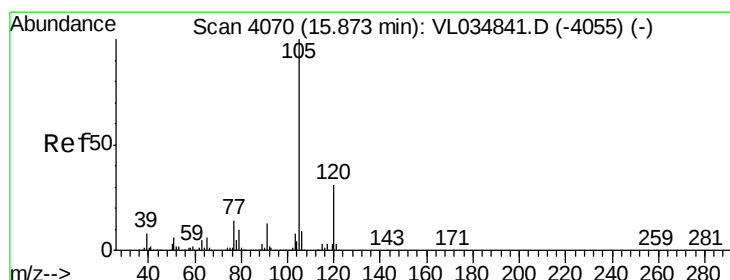
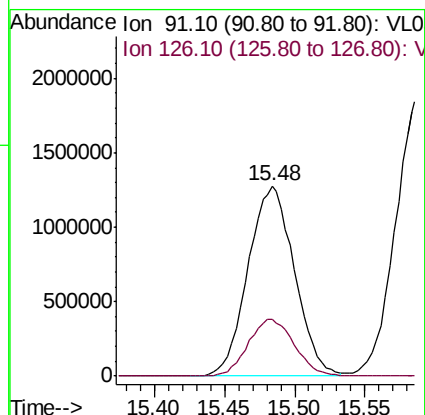
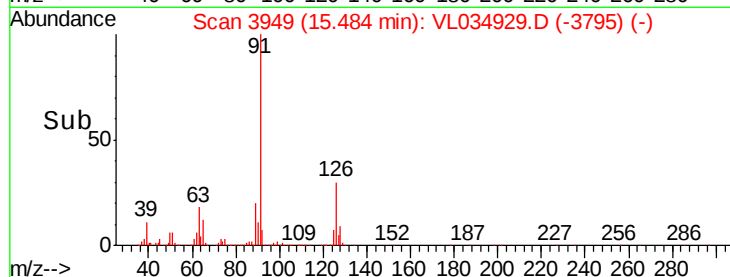
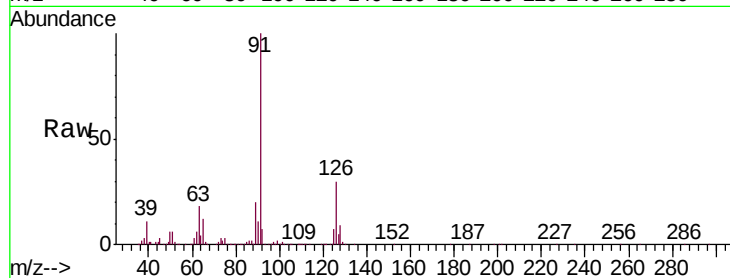
VL0323ABS01

Tgt Ion: 91 Resp: 2934483

Ion Ratio Lower Upper

91 100

126 29.9 12.3 49.1



#72

4-Ethyltoluene

Concen: 10.066 ppbv

RT: 15.87 min Scan# 4069

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Tgt Ion:105 Resp: 3051518

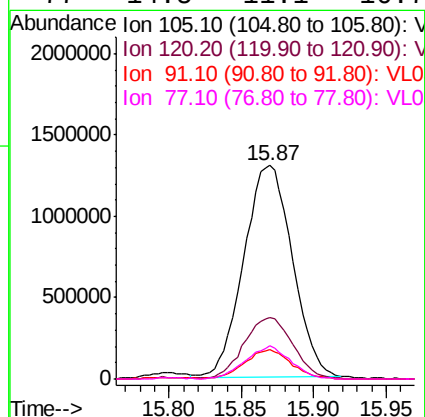
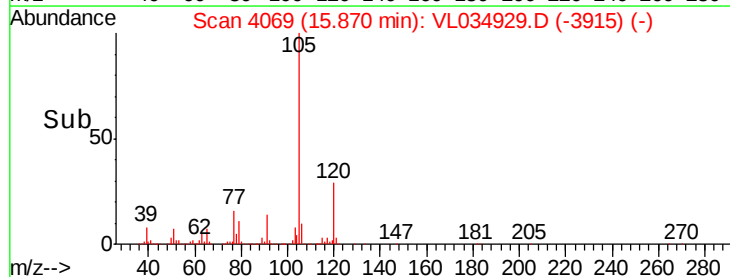
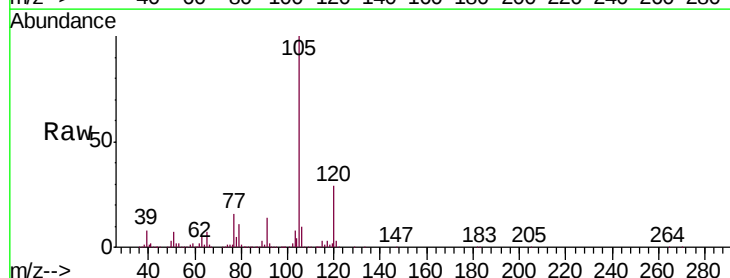
Ion Ratio Lower Upper

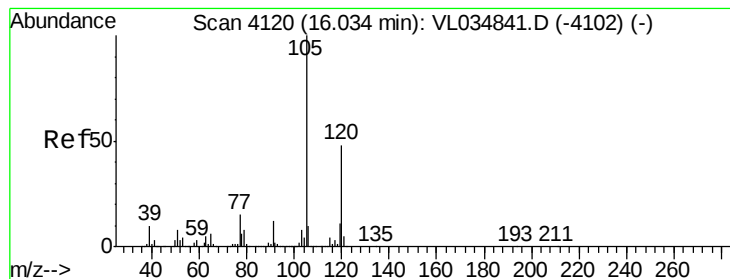
105 100

120 30.0 23.7 35.5

91 13.1 10.5 15.7

77 14.5 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.228 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

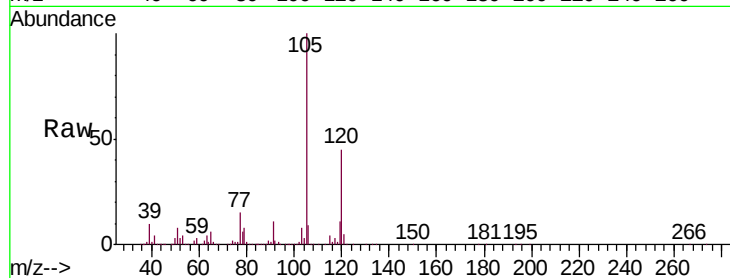
VL0323ABS01

Tgt Ion:105 Resp: 2902664

Ion Ratio Lower Upper

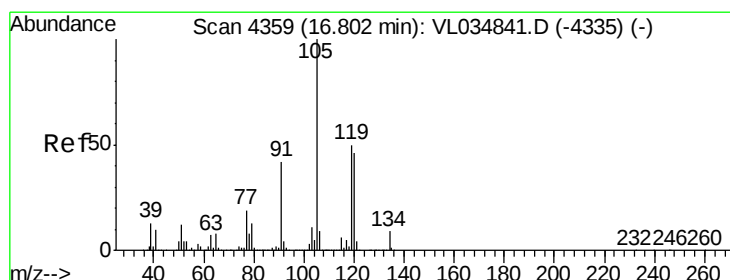
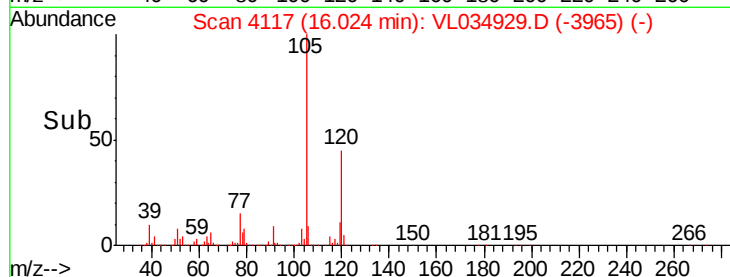
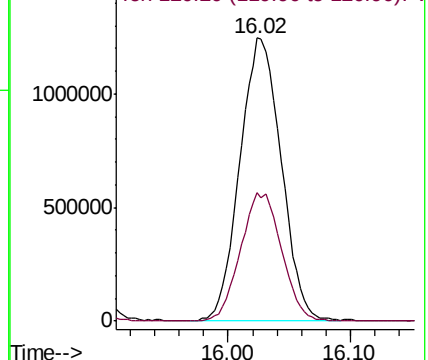
105 100

120 45.3 38.6 58.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.094 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Tgt Ion:105 Resp: 2951286

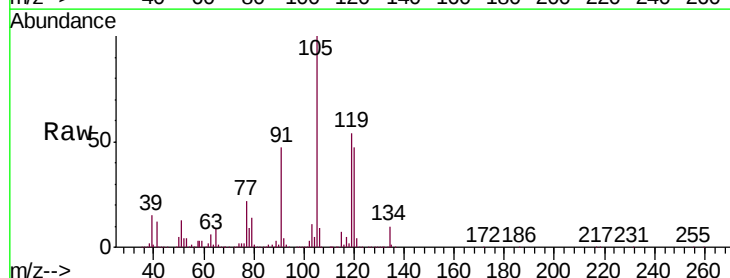
Ion Ratio Lower Upper

105 100

120 47.3 37.0 55.4

91 47.0 33.8 50.6

77 22.1 15.4 23.0

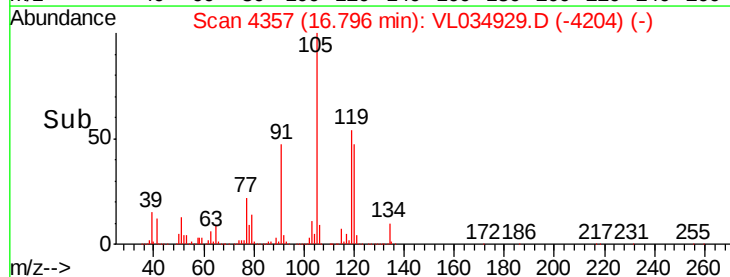
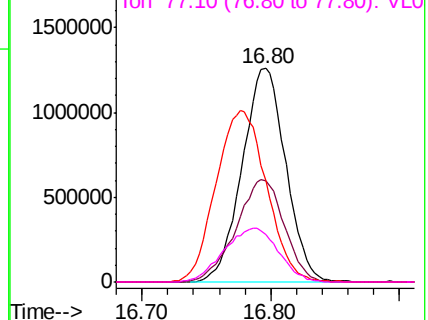


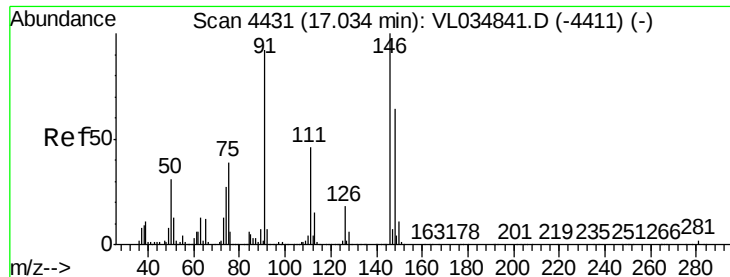
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VLO

Ion 77.10 (76.80 to 77.80): VLO

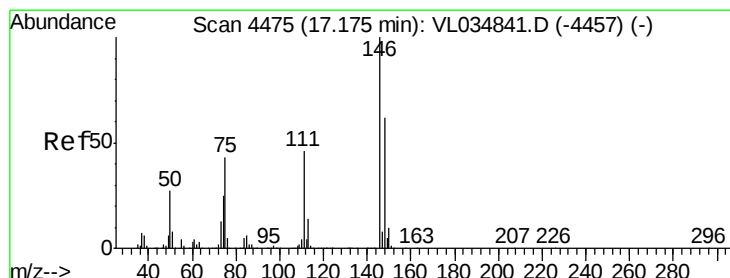
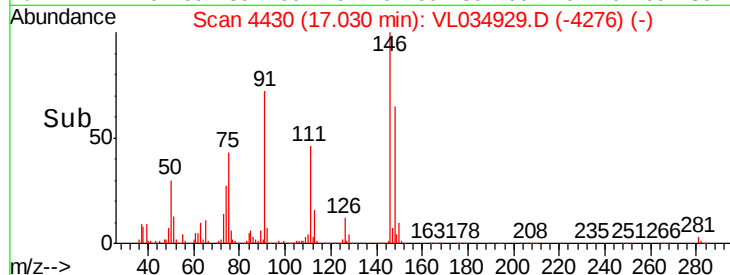
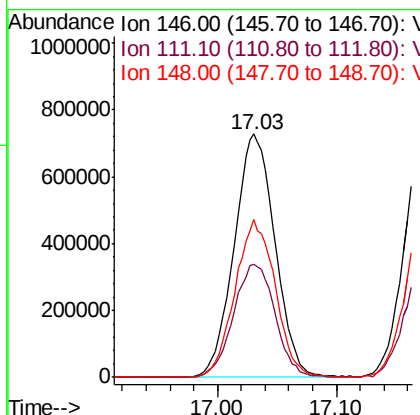
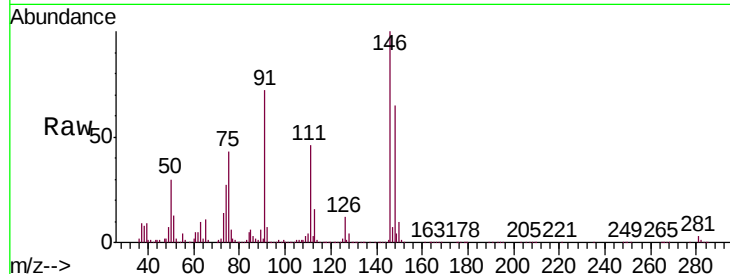




#75
 1,3-Dichlorobenzene
 Concen: 9.807 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

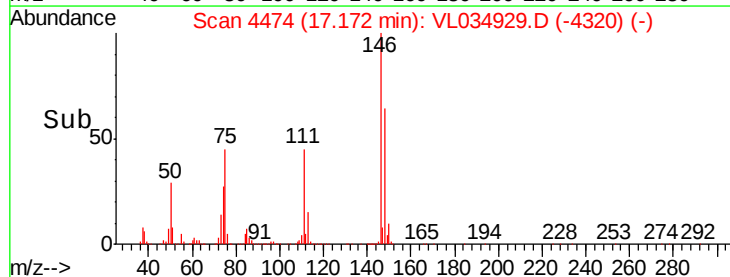
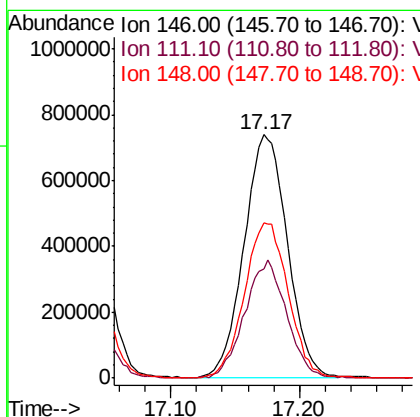
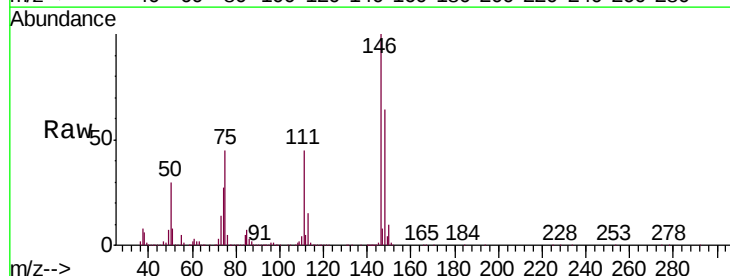
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

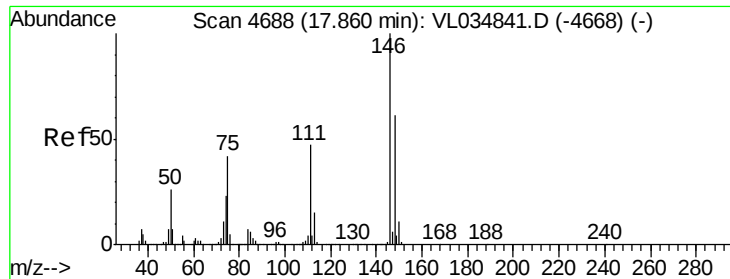
Tgt Ion:146 Resp: 1728781
 Ion Ratio Lower Upper
 146 100
 111 47.3 23.9 71.7
 148 63.7 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 9.772 ppbv
 RT: 17.17 min Scan# 4474
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion:146 Resp: 1719017
 Ion Ratio Lower Upper
 146 100
 111 47.1 23.4 70.2
 148 65.2 32.3 96.9

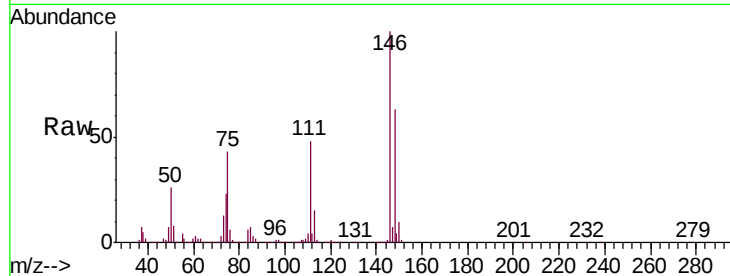




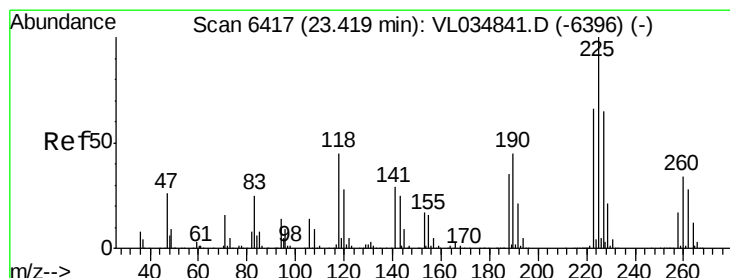
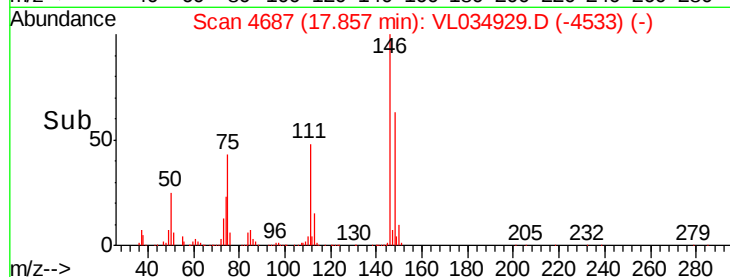
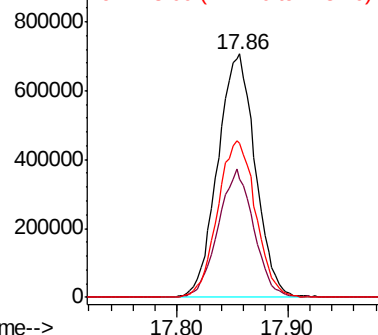
#77
 1,2-Dichlorobenzene
 Concen: 9.751 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0323ABS01

Tgt Ion:146 Resp: 1666194
 Ion Ratio Lower Upper
 146 100
 111 50.1 23.8 71.4
 148 65.2 31.6 94.8

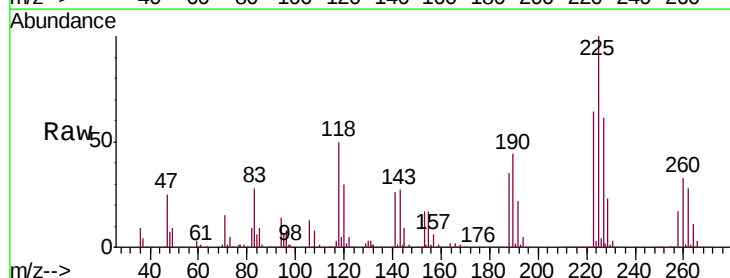


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

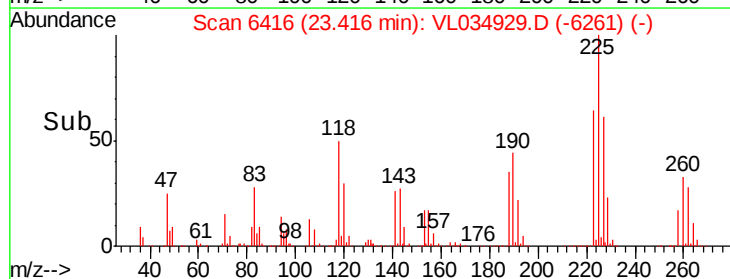
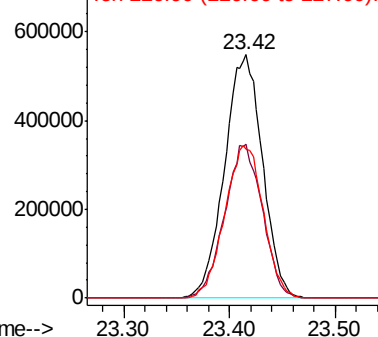


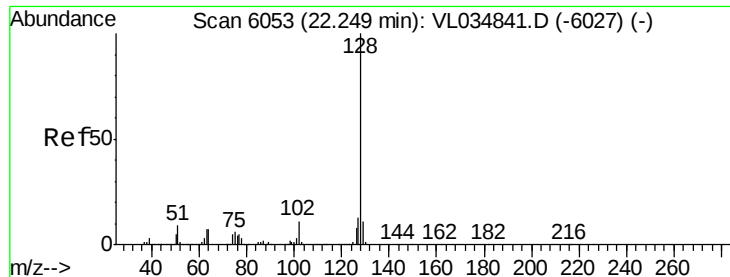
#78
 Hexachloro-1,3-Butadiene
 Concen: 9.636 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. -0.00 min
 Lab File: VL034929.D
 Acq: 23 Mar 2020 13:57

Tgt Ion:225 Resp: 1375335
 Ion Ratio Lower Upper
 225 100
 223 62.7 51.1 76.7
 227 63.6 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: 12.339 ppbv

RT: 22.25 min Scan# 6053

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

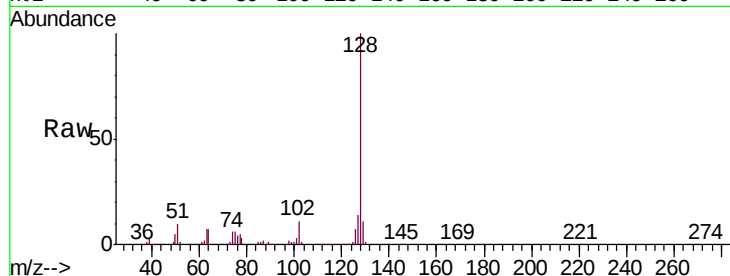
Tgt Ion:128 Resp: 2813300

Ion Ratio Lower Upper

128 100

127 13.9 10.2 15.2

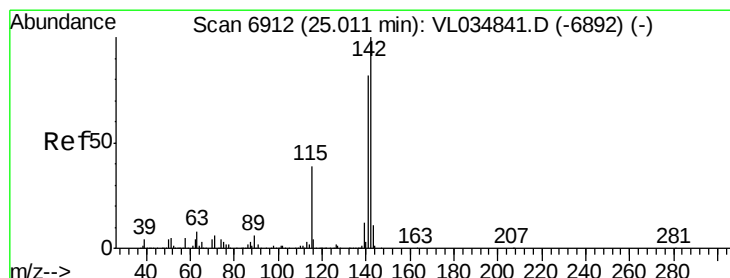
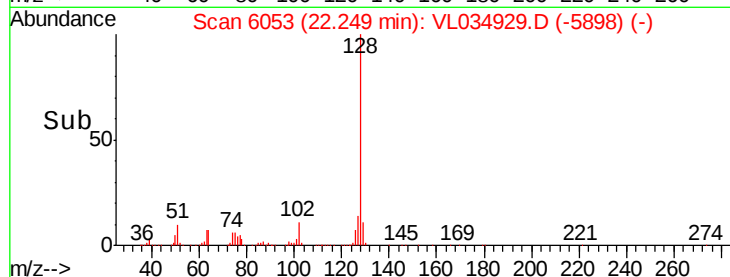
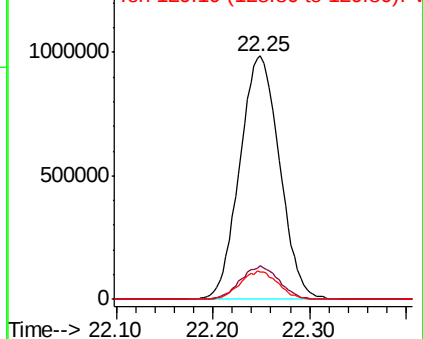
129 11.2 8.6 13.0



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: 18.621 ppbv

RT: 25.01 min Scan# 6911

Delta R.T. -0.00 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

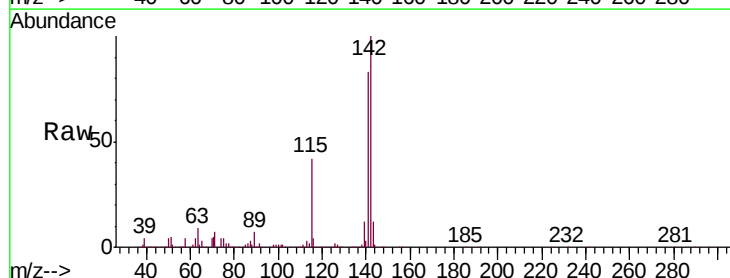
Tgt Ion:142 Resp: 1109535

Ion Ratio Lower Upper

142 100

141 84.2 68.9 103.3

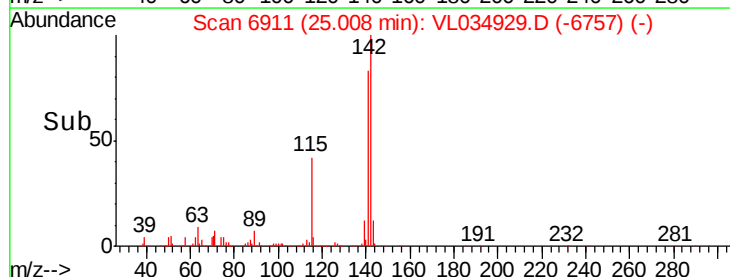
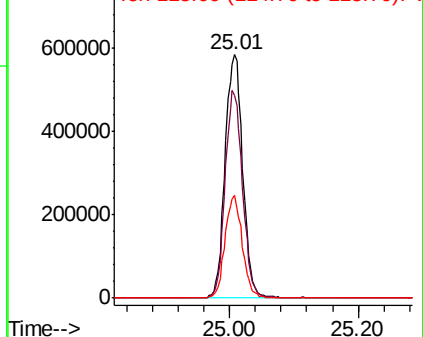
115 40.9 33.2 49.8

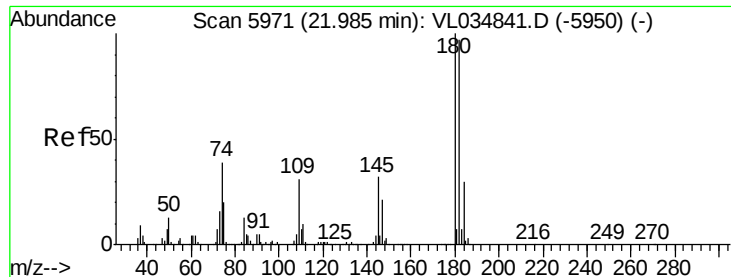


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 11.113 ppbv

RT: 21.98 min Scan# 5968

Delta R.T. -0.01 min

Lab File: VL034929.D

Acq: 23 Mar 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL0323ABS01

Tgt Ion:180 Resp: 1609789

Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

184 31.0 25.0 37.4

