

Data File : VL034842.D
Acq On : 9 Mar 2020 12:59
Operator : SY/AP
Sample : VSTDICC002
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

Quant Time: Mar 09 15:36:09 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 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	938805	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2151004	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2267058	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1716519	9.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	231339	1.510	ppbv	99
3) Chlorodifluoromethane	2.95	51	225454	2.108	ppbv	99
4) Chloromethane	3.10	50	127813	2.219	ppbv	93
5) Vinyl Chloride	3.22	62	123157	2.024	ppbv	96
6) Bromomethane	3.44	94	70964	2.136	ppbv	87
7) Chloroethane	3.52	64	43310	2.058	ppbv	97
8) Dichlorotetrafluoroethane	3.15	85	286844	2.155	ppbv	100
9) Propene	2.97	41	104567	2.484	ppbv	96
10) Heptane	8.13	43	261986	2.449	ppbv	99
11) Trichlorofluoromethane	3.92	101	293353	2.140	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	198238	2.096	ppbv	98
13) Ethanol	3.57	45	19270	1.336	ppbv	68
14) Bromoethene	3.71	108	88273	2.274	ppbv	99
15) Acetone	3.83	43	300827	2.676	ppbv	97
16) 1,3-Butadiene	3.29	39	118781	2.335	ppbv	96
17) tert-Butyl alcohol	4.27	59	205610	2.319	ppbv	100
18) 1,1-Dichloroethene	4.26	96	93952	2.252	ppbv	97
19) Isopropyl Alcohol	3.94	45	134711	2.000	ppbv #	40
20) Methylene Chloride	4.31	84	75944	1.893	ppbv	84
21) Allyl Chloride	4.38	41	164475	2.310	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	88852	2.182	ppbv	92
23) Vinyl Acetate	5.05	43	387165	2.568	ppbv	99
24) 1,1-Dichloroethane	4.99	63	255858	2.187	ppbv	98
25) Ethyl Acetate	5.66	43	462765	2.382	ppbv	99
26) Hexane	5.67	57	195611	2.305	ppbv	96
27) Carbon Disulfide	4.53	76	230618	2.326	ppbv	96
28) Methyl tert-Butyl Ether	5.02	73	333684	2.642	ppbv	98
29) Chloroform	5.74	83	302766	2.119	ppbv	96
30) Cyclohexane	7.13	84	159988	2.464	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	208735	2.398	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	305631	2.165	ppbv	99
34) 2-Butanone	5.23	43	310671	2.220	ppbv	100
35) Carbon Tetrachloride	7.02	117	303942	1.873	ppbv	94
36) Benzene	6.89	78	412044	2.242	ppbv	96
37) 1,2-Dichloroethane	6.30	62	224246	1.786	ppbv	100
38) Trichloroethene	7.84	130	153084	2.137	ppbv	97
39) 1,2-Dichloropropane	7.62	63	158709	2.140	ppbv	94
40) 1,4-Dioxane	7.84	88	17745	0.692	ppbv #	1
41) Tetrahydrofuran	6.04	42	160440	2.247	ppbv	98
42) Bromodichloromethane	7.80	83	322024	2.027	ppbv	98
43) Methyl Methacrylate	8.01	69	98149	1.260	ppbv #	15

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 09 15:34:13 2020
QLast Update : Mon Mar 09 15:34:13 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	702226	2.186	ppbv	98
45) t-1,3-Dichloropropene	9.29	75	201390	2.463	ppbv	100
46) cis-1,3-Dichloropropene	8.72	75	242404	2.428	ppbv	92
47) 1,1,2-Trichloroethane	9.49	97	99064	1.265	ppbv	97
48) Dibromochloromethane	10.32	129	274680	2.243	ppbv	99
49) Bromoform	13.07	173	247040	2.312	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	440493	2.197	ppbv	100
51) 2-Hexanone	10.15	43	358666	2.280	ppbv #	99
52) Tetrachloroethene	11.24	164	93863	1.382	ppbv	96
53) Toluene	9.82	91	477915	2.457	ppbv	98
54) 1,2-Dibromoethane	10.63	107	252825	2.183	ppbv	94
56) 1,1,1,2-Tetrachloroethane	12.15	131	212992	2.120	ppbv #	1
57) Chlorobenzene	12.17	112	374874	2.165	ppbv	98
58) Ethyl Benzene	12.74	91	671474	2.403	ppbv	94
59) m/p-Xylene	13.02	91	597887	2.472	ppbv #	45
60) o-Xylene	13.72	91	544465	2.225	ppbv	97
61) Styrene	13.55	104	373199	2.459	ppbv	99
62) Isopropylbenzene	14.70	105	814356	2.261	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.71	83	364991	1.892	ppbv	98
64) n-propylbenzene	15.59	120	207524	2.298	ppbv	88
65) tert-Butylbenzene	16.78	119	732503	2.407	ppbv	100
66) Benzyl Chloride	17.02	91	296252	3.011	ppbv	100
67) sec-Butylbenzene	17.33	105	1037940	2.340	ppbv	97
69) p-Isopropyltoluene	17.69	119	470751	1.312	ppbv #	58
70) n-Butylbenzene	18.58	91	875593	2.231	ppbv	97
71) 2-Chlorotoluene	15.49	91	626948	2.305	ppbv	98
72) 4-Ethyltoluene	15.87	105	638371	2.343	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	286094	1.095	ppbv	91
74) 1,2,4-Trimethylbenzene	16.80	105	621233	2.187	ppbv	95
75) 1,3-Dichlorobenzene	17.04	146	368387	2.191	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	367169	2.282	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	350807	2.181	ppbv	97
78) Hexachloro-1,3-Butadiene	23.42	225	290779	2.166	ppbv	100
79) Naphthalene	22.26	128	424324	1.988	ppbv	96
80) Naphthalene,2-methyl-	25.02	142	44359	0.870	ppbv	95
81) 1,2,4-Trichlorobenzene	21.99	180	275213	2.039	ppbv	95

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

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```
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ALS Vial     : 1 Sample Multipl
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Instrument :
MSVOA_L
ClientSampleId :
VSTDICC002

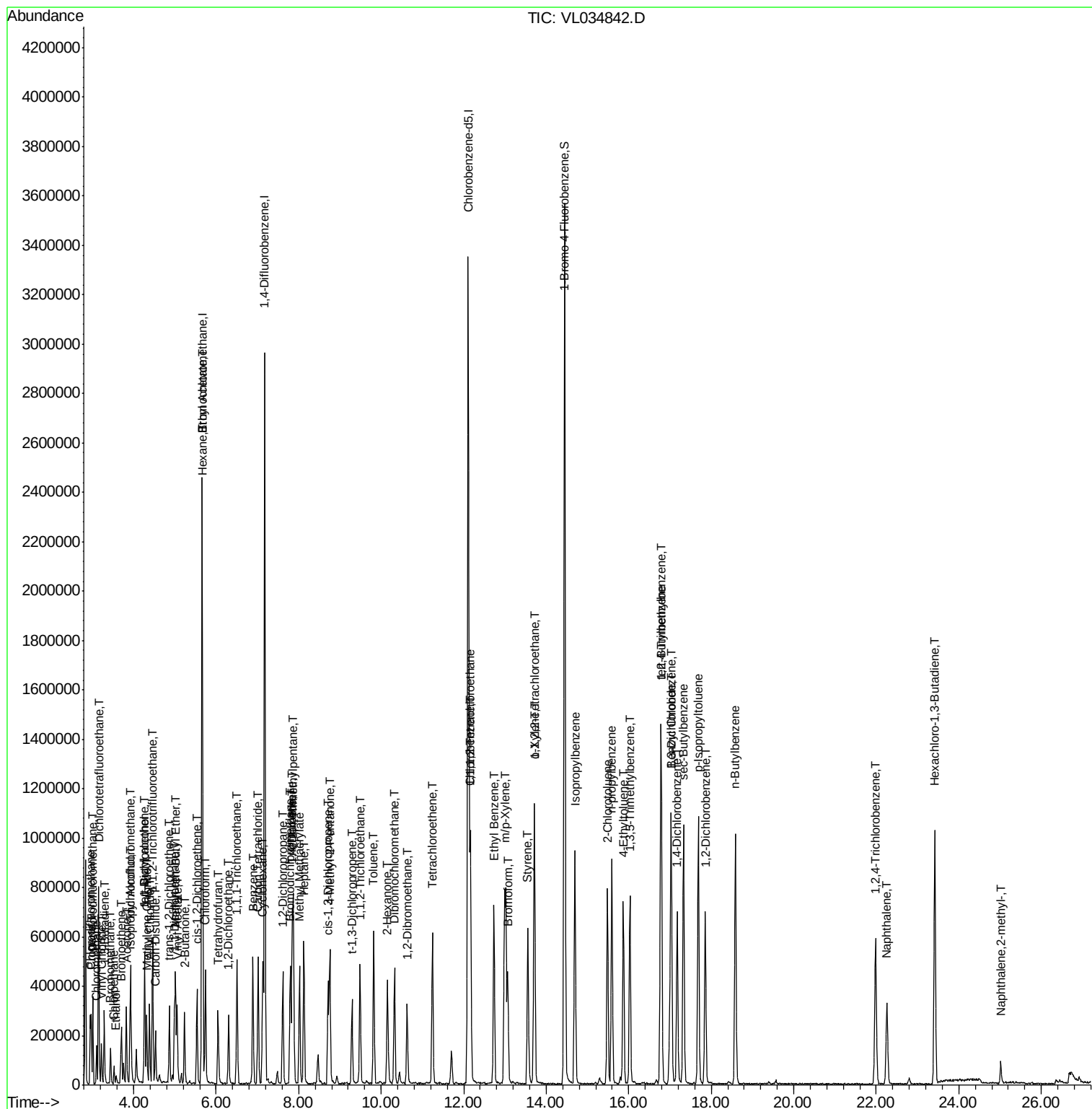
Quant Time: Mar 09 15:36:09 2020

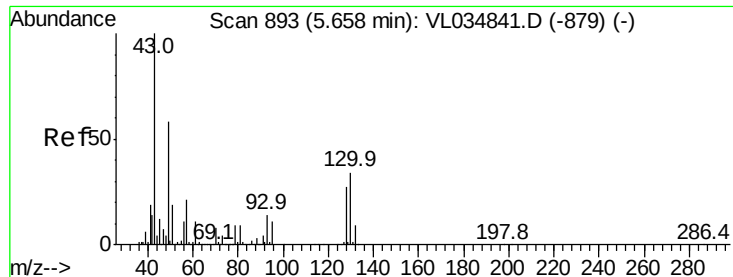
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL030920AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 09 15:34:13 2020

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC002

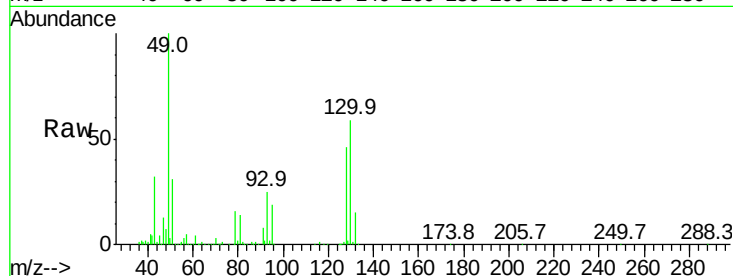
Tgt Ion: 49 Resp: 938805

Ion Ratio Lower Upper

49 100

128 47.0 23.4 70.3

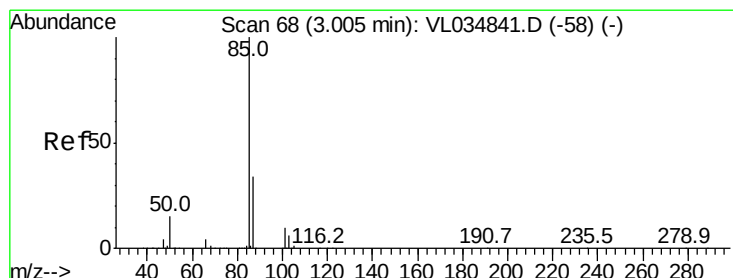
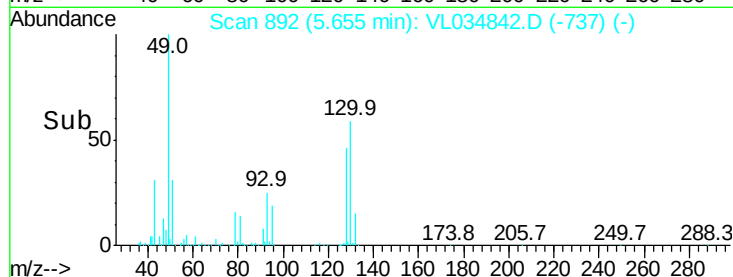
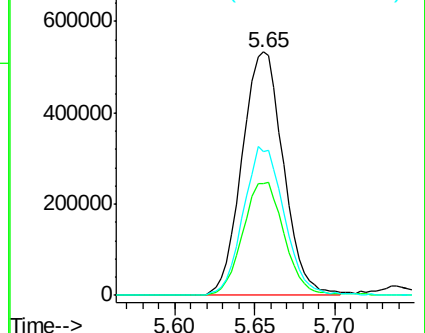
130 60.6 30.0 90.0



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: 1.510 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL034842.D

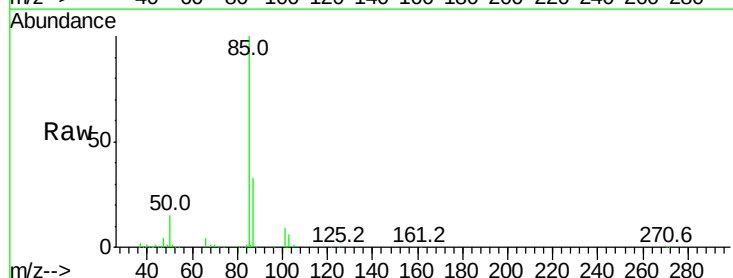
Acq: 9 Mar 2020 12:59

Tgt Ion: 85 Resp: 231339

Ion Ratio Lower Upper

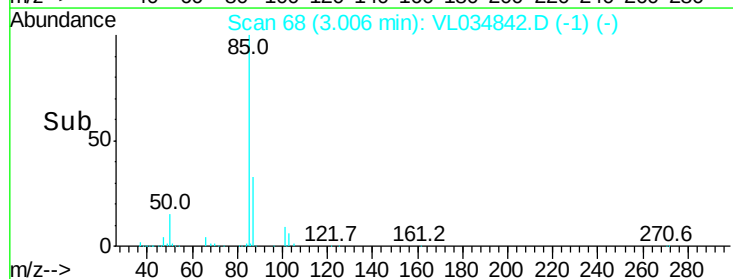
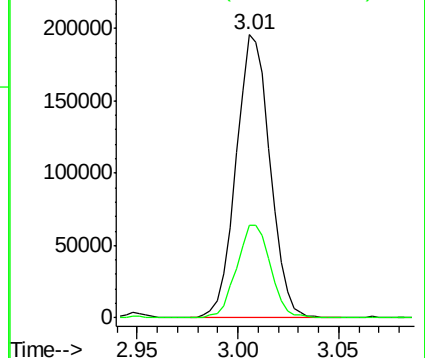
85 100

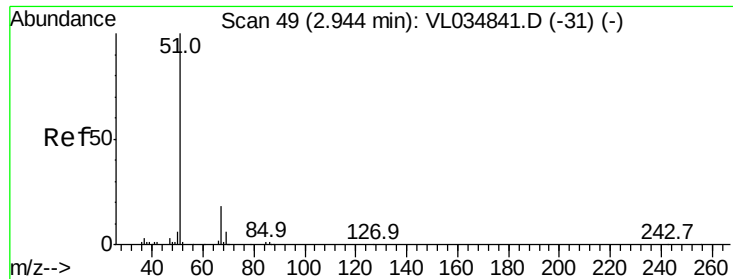
87 32.8 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

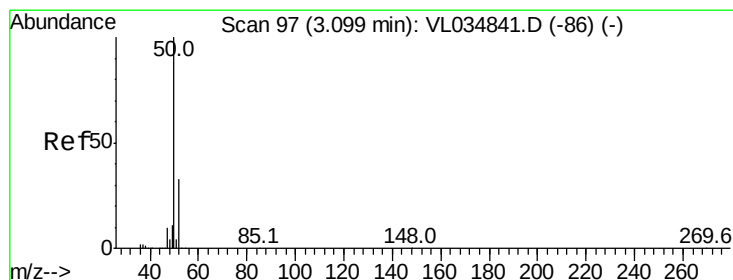
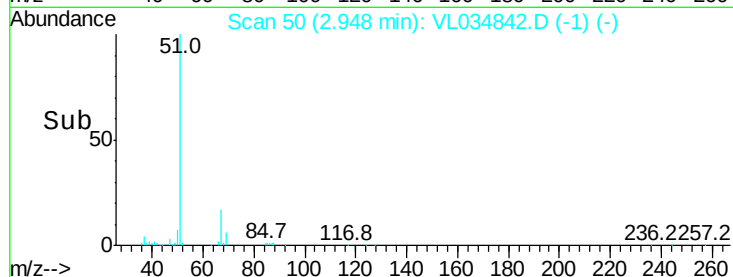
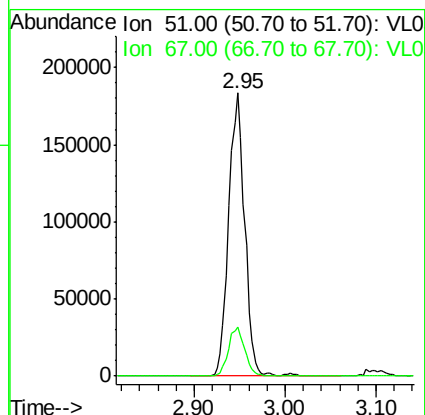
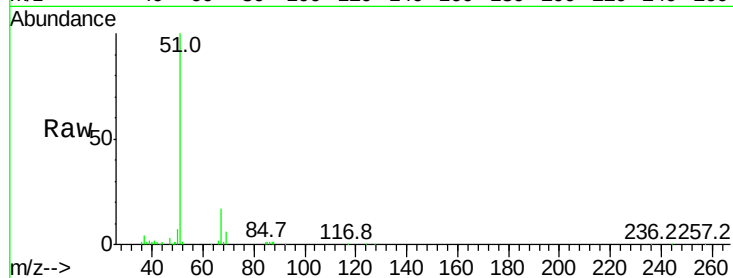




#3
Chlorodifluoromethane
Concen: 2.108 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

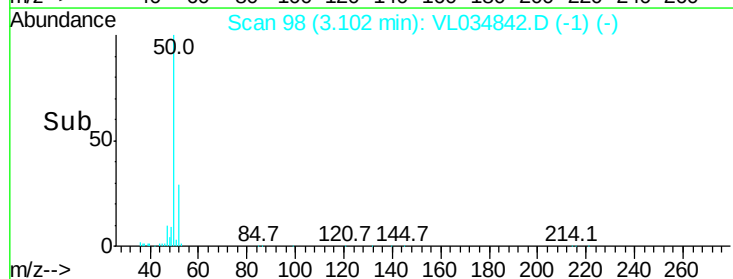
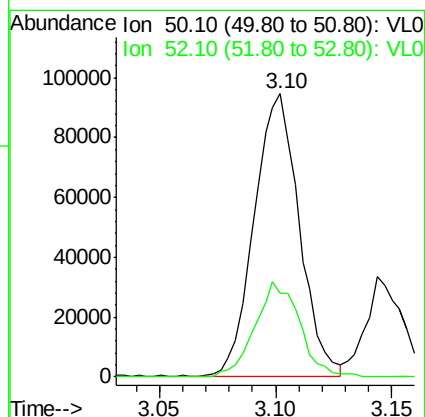
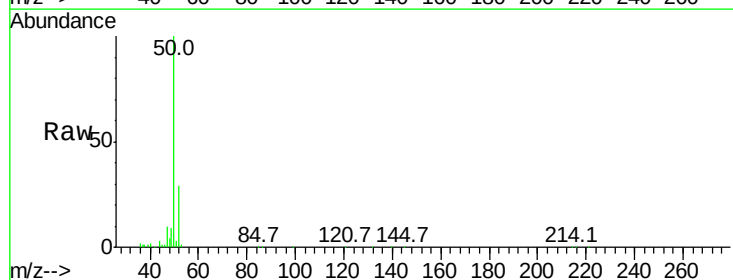
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

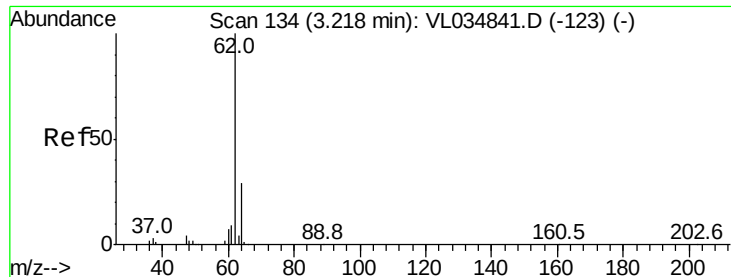
Tgt Ion: 51 Resp: 225454
Ion Ratio Lower Upper
51 100
67 17.6 14.3 21.5



#4
Chloromethane
Concen: 2.219 ppbv
RT: 3.10 min Scan# 98
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 50 Resp: 127813
Ion Ratio Lower Upper
50 100
52 29.5 26.8 40.2





#5

Vinyl Chloride

Concen: 2.024 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

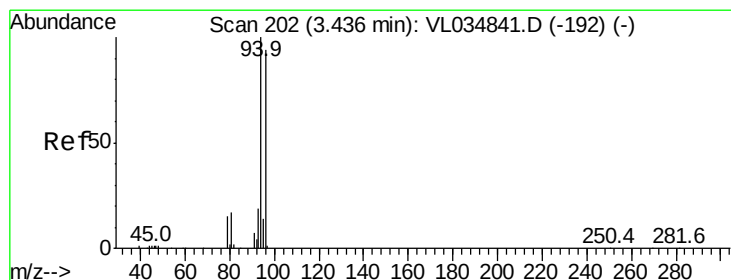
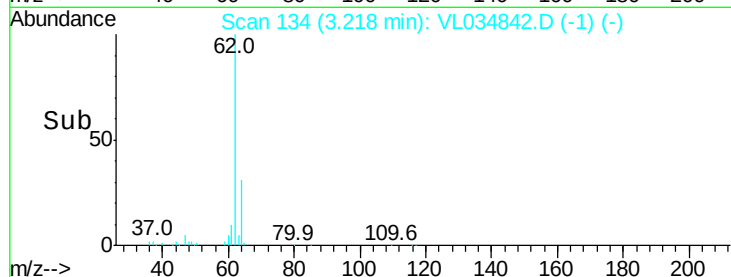
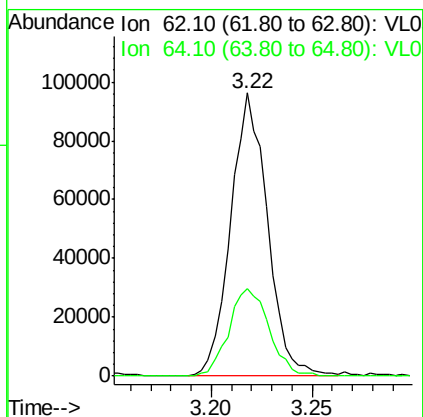
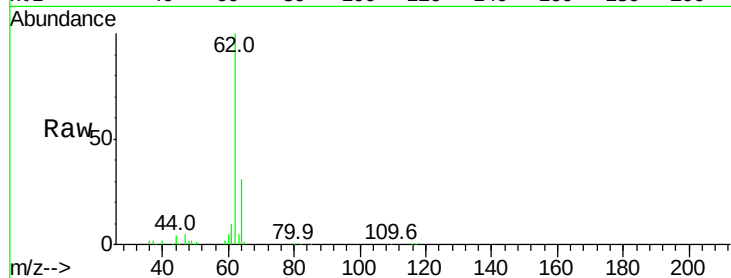
VSTDIC002

Tgt Ion: 62 Resp: 123157

Ion Ratio Lower Upper

62 100

64 30.7 23.0 34.4



#6

Bromomethane

Concen: 2.136 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL034842.D

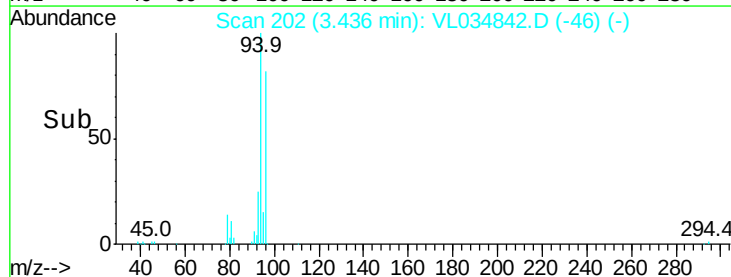
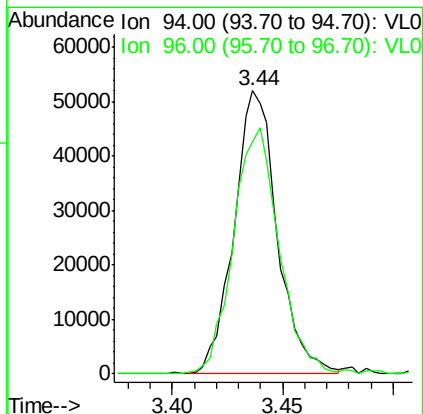
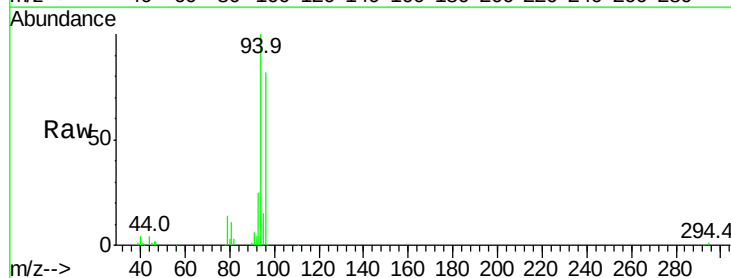
Acq: 9 Mar 2020 12:59

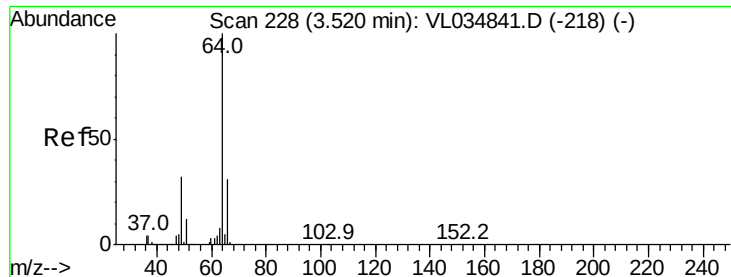
Tgt Ion: 94 Resp: 70964

Ion Ratio Lower Upper

94 100

96 81.5 75.5 113.3





#7

Chloroethane

Concen: 2.058 ppbv

RT: 3.52 min Scan# 228

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

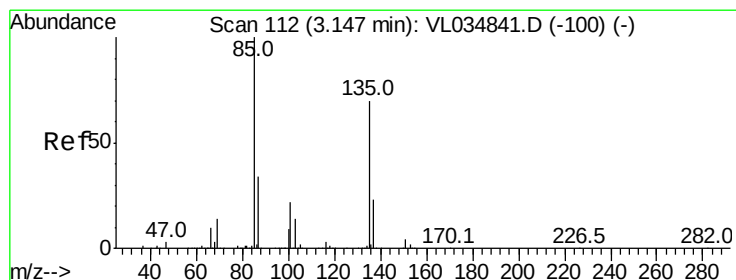
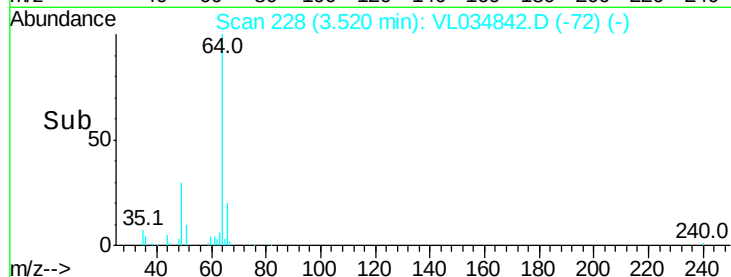
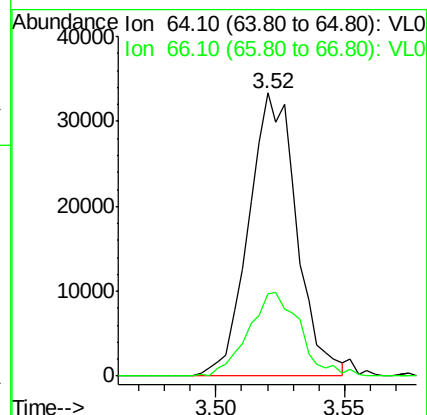
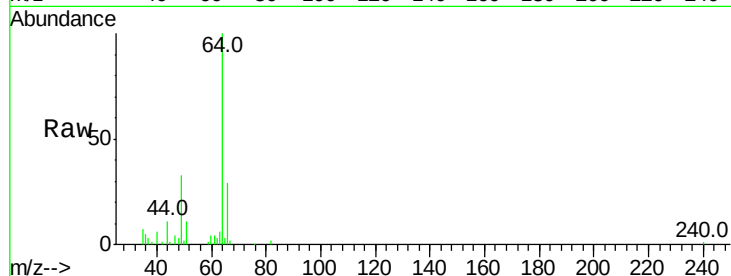
VSTDIC002

Tgt Ion: 64 Resp: 43310

Ion Ratio Lower Upper

64 100

66 29.3 24.8 37.2



#8

Dichlorotetrafluoroethane

Concen: 2.155 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL034842.D

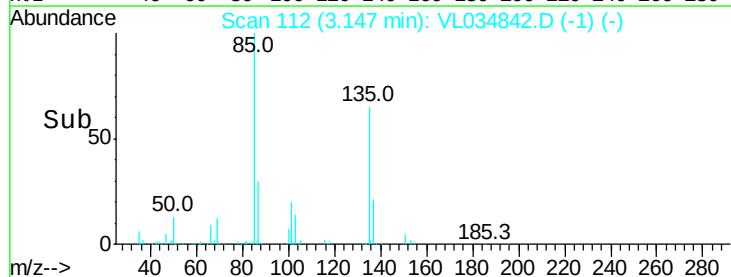
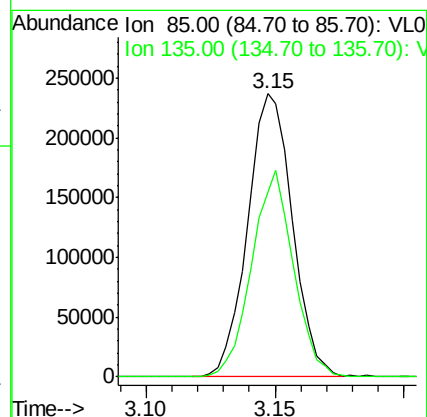
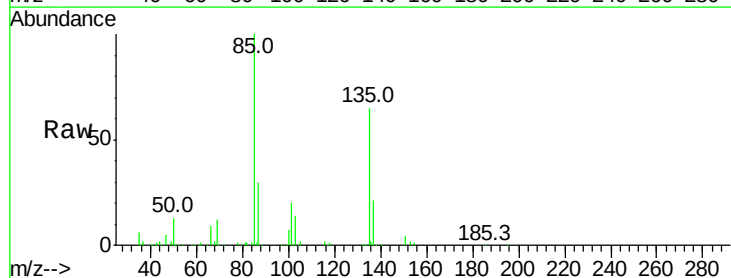
Acq: 9 Mar 2020 12:59

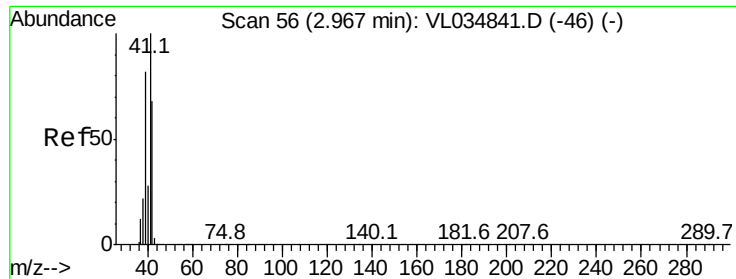
Tgt Ion: 85 Resp: 286844

Ion Ratio Lower Upper

85 100

135 68.1 54.3 81.5





#9

Propene

Concen: 2.484 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

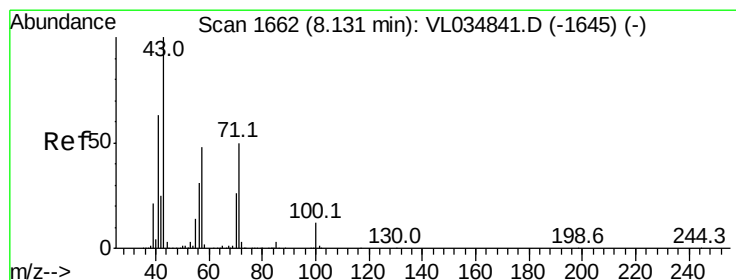
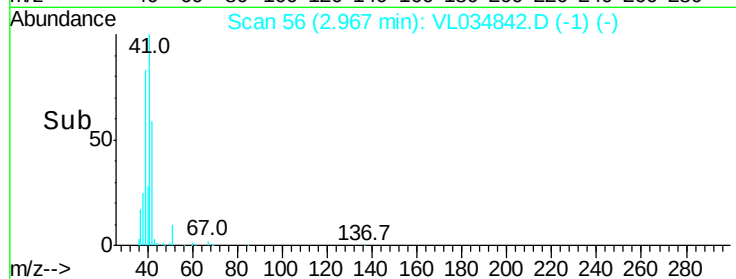
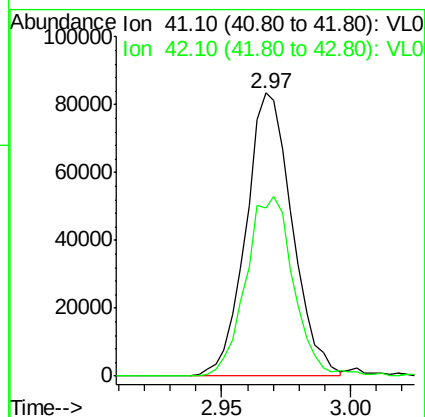
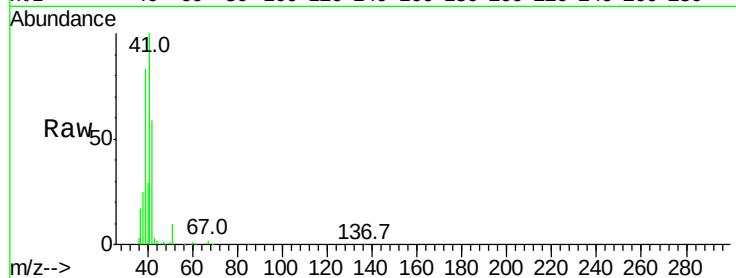
VSTDIC002

Tgt Ion: 41 Resp: 104567

Ion Ratio Lower Upper

41 100

42 65.7 55.2 82.8



#10

Heptane

Concen: 2.449 ppbv

RT: 8.13 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VL034842.D

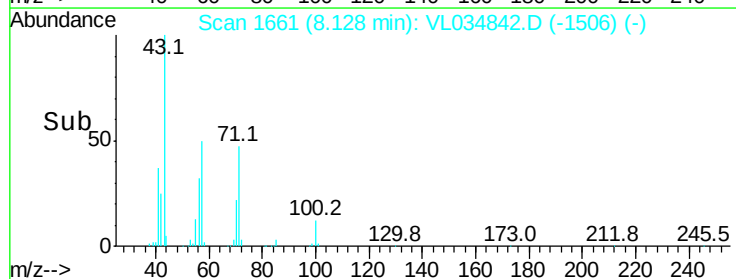
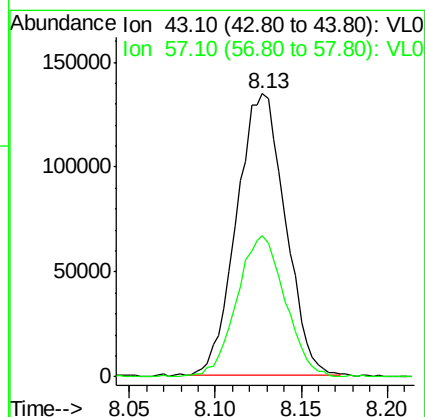
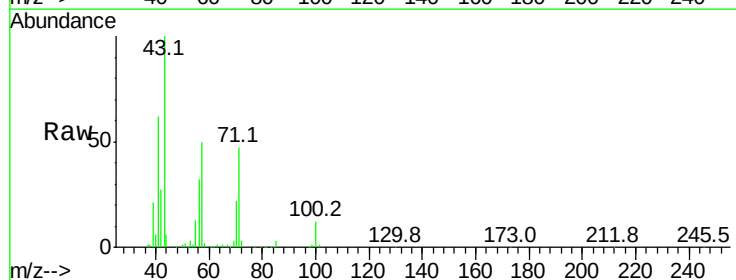
Acq: 9 Mar 2020 12:59

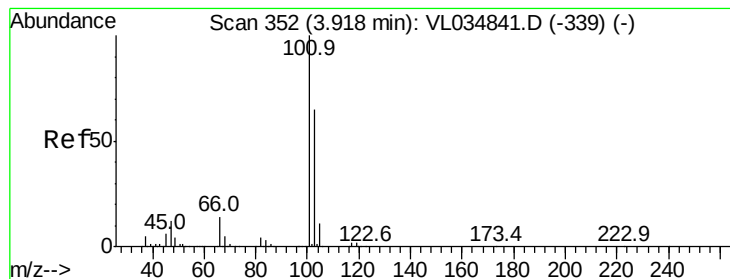
Tgt Ion: 43 Resp: 261986

Ion Ratio Lower Upper

43 100

57 50.2 39.7 59.5





#11

Trichlorofluoromethane

Concen: 2.140 ppbv

RT: 3.92 min Scan# 352

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

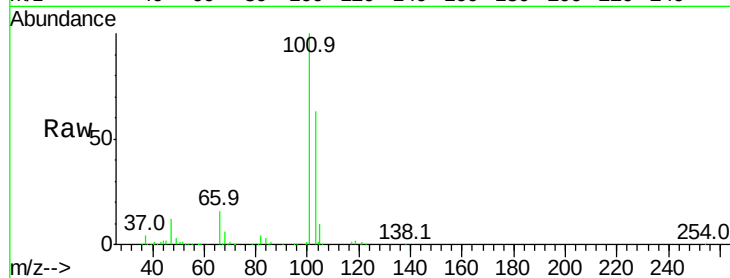
VSTDIC002

Tgt Ion:101 Resp: 293353

Ion Ratio Lower Upper

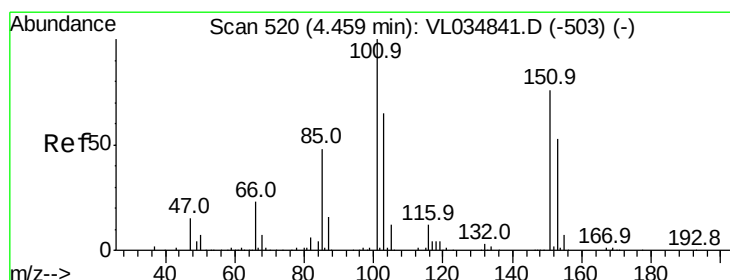
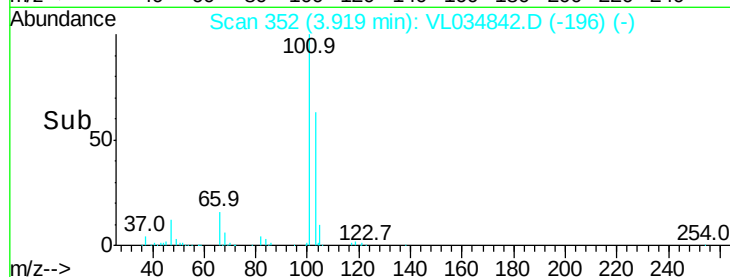
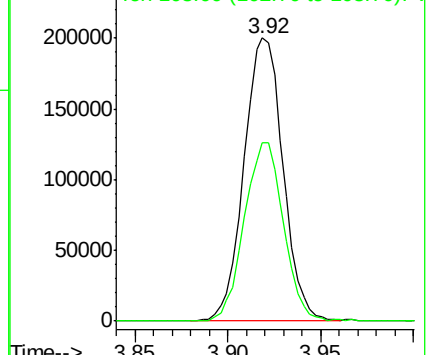
101 100

103 62.8 51.8 77.8



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: 2.096 ppbv

RT: 4.46 min Scan# 520

Delta R.T. 0.00 min

Lab File: VL034842.D

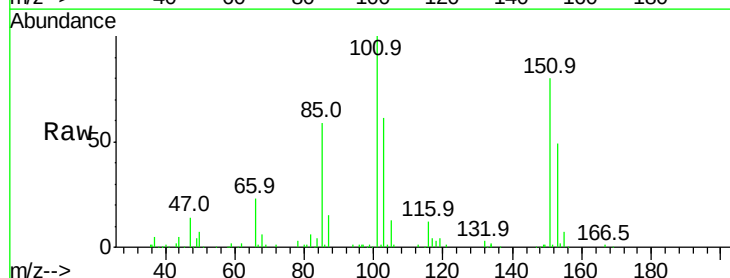
Acq: 9 Mar 2020 12:59

Tgt Ion:101 Resp: 198238

Ion Ratio Lower Upper

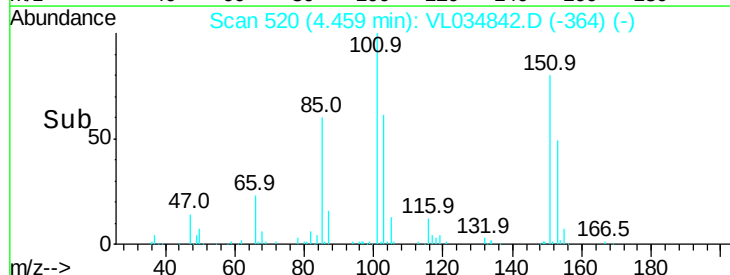
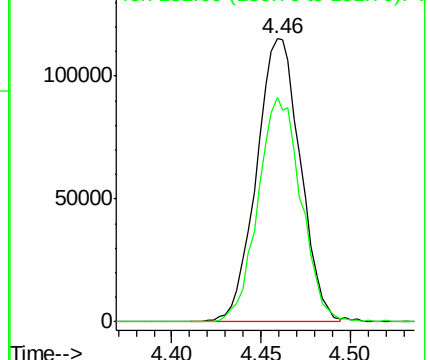
101 100

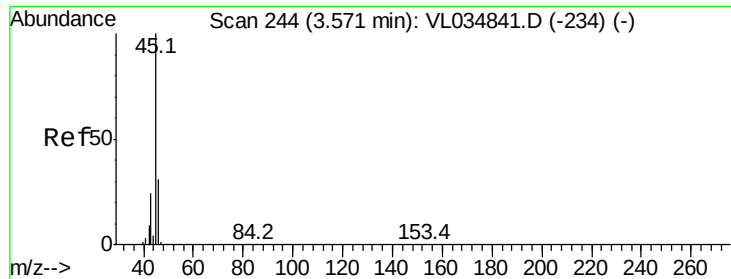
151 78.0 60.8 91.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 1.336 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

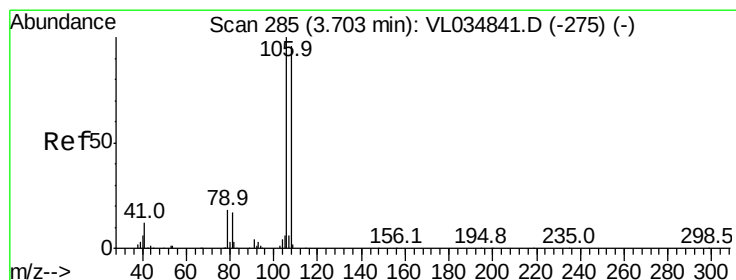
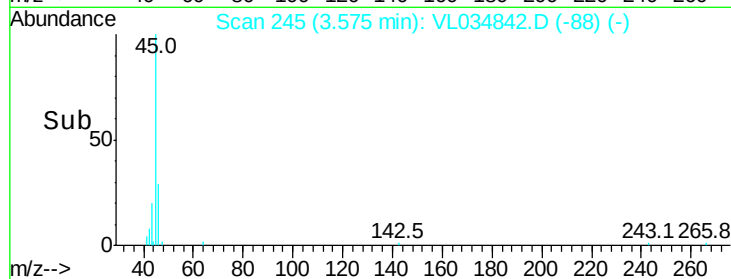
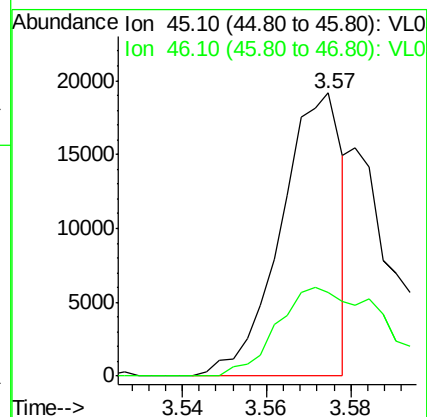
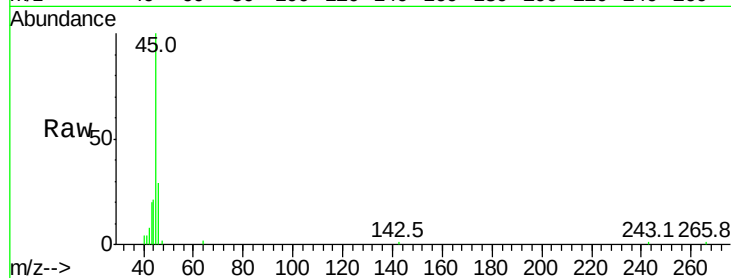
VSTDIC002

Tgt Ion: 45 Resp: 19270

Ion Ratio Lower Upper

45 100

46 59.8 16.0 64.0



#14

Bromoethene

Concen: 2.274 ppbv

RT: 3.71 min Scan# 286

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

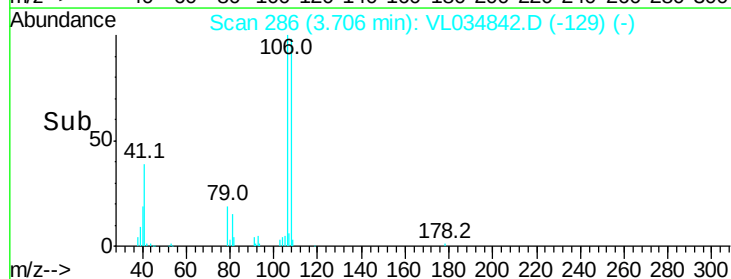
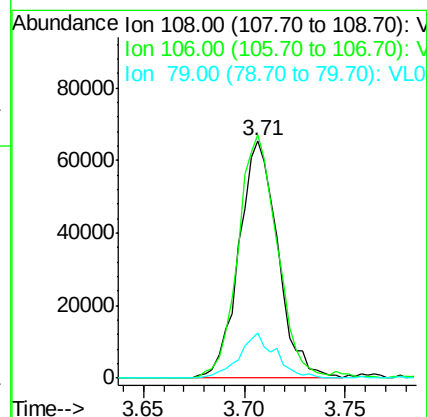
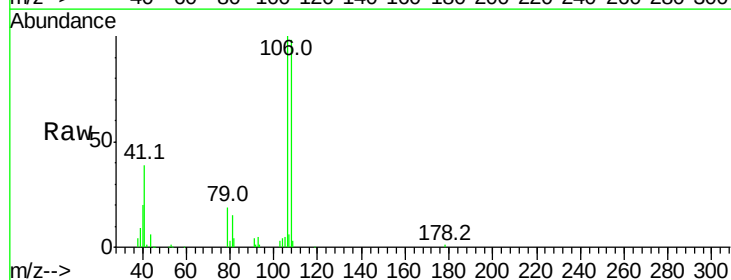
Tgt Ion: 108 Resp: 88273

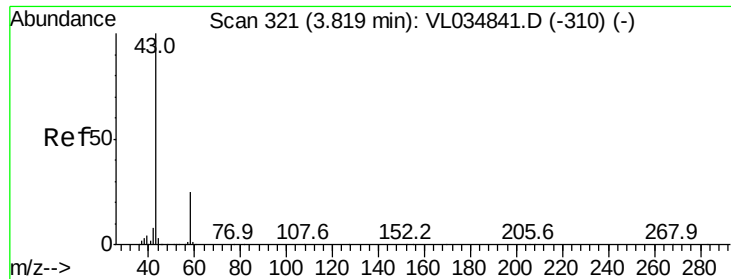
Ion Ratio Lower Upper

108 100

106 105.1 85.1 127.7

79 17.8 14.7 22.1

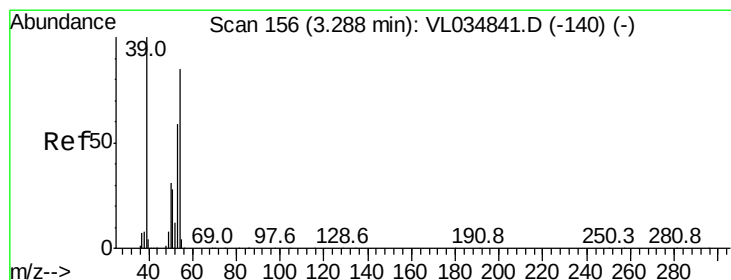
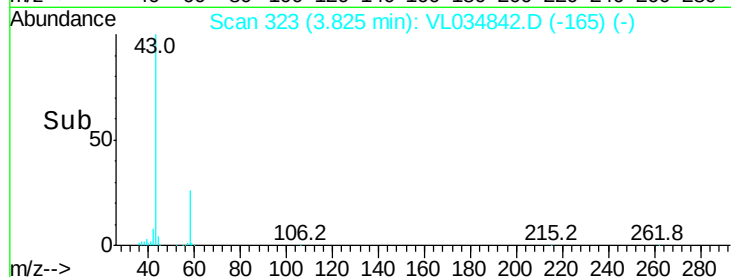
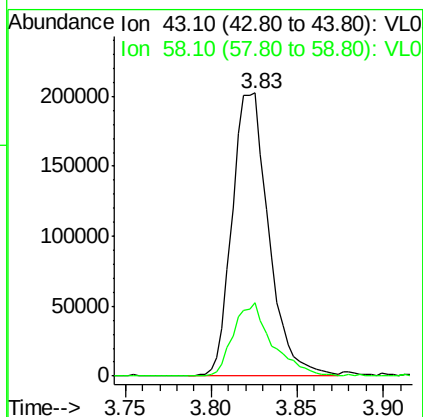
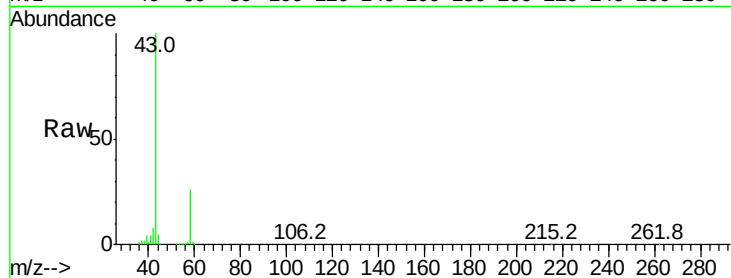




#15
Acetone
Concen: 2.676 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.01 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

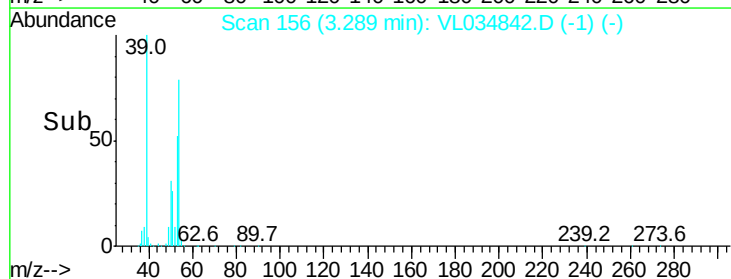
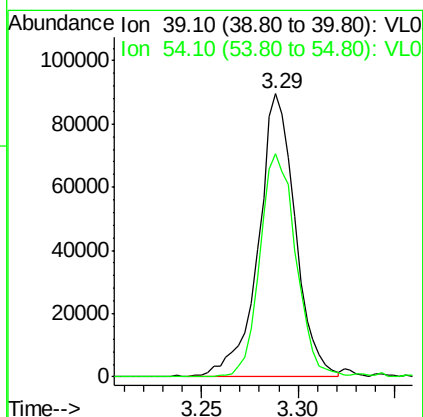
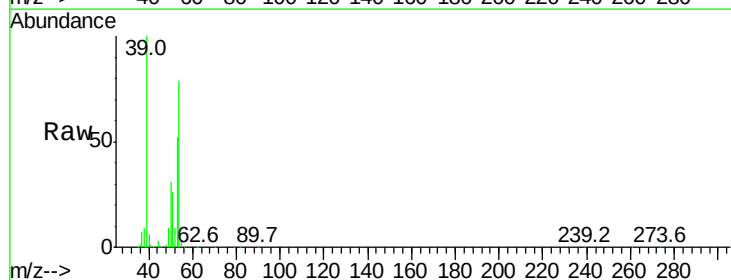
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

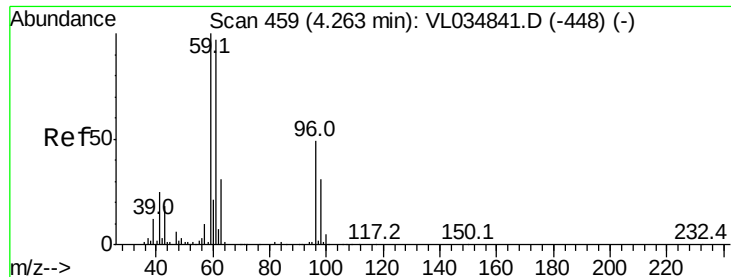
Tgt Ion: 43 Resp: 300827
Ion Ratio Lower Upper
43 100
58 27.6 21.0 31.6



#16
1,3-Butadiene
Concen: 2.335 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 39 Resp: 118781
Ion Ratio Lower Upper
39 100
54 77.9 65.0 97.6





#17

tert-Butyl alcohol

Concen: 2.319 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

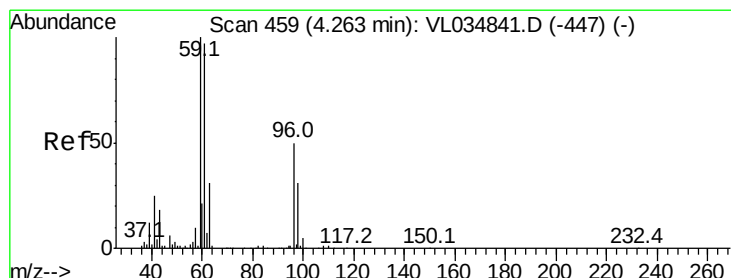
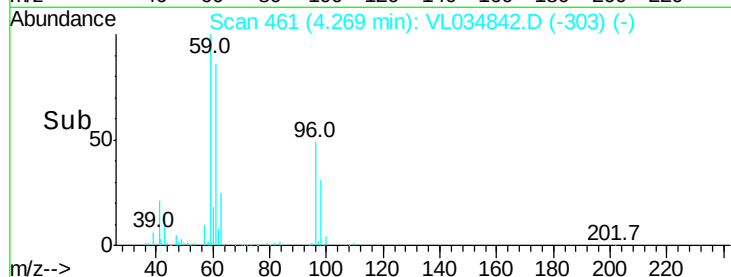
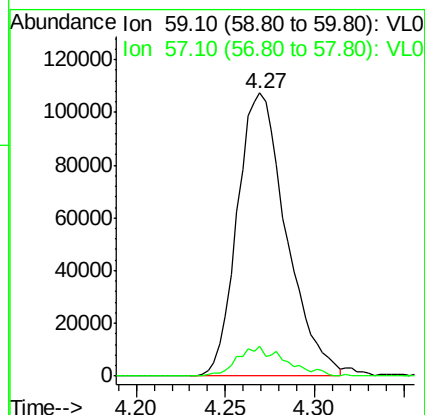
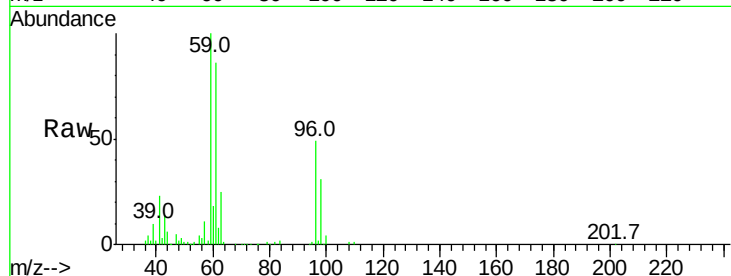
VSTDIC002

Tgt Ion: 59 Resp: 205610

Ion Ratio Lower Upper

59 100

57 10.4 8.3 12.5



#18

1,1-Dichloroethene

Concen: 2.252 ppbv

RT: 4.26 min Scan# 458

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

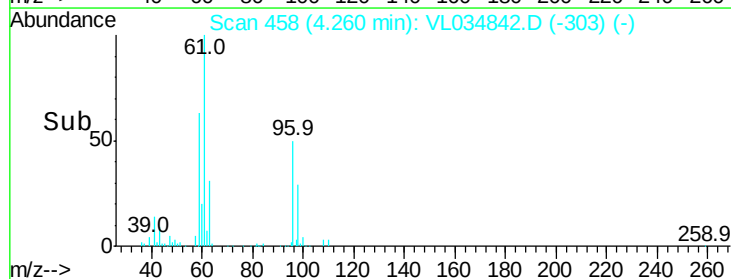
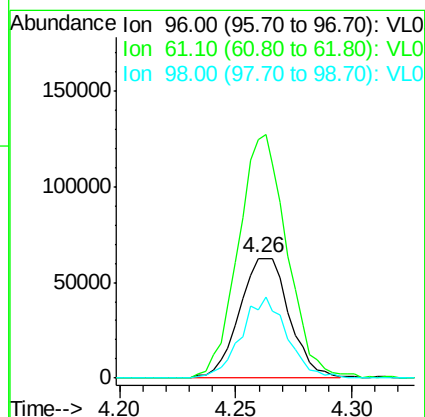
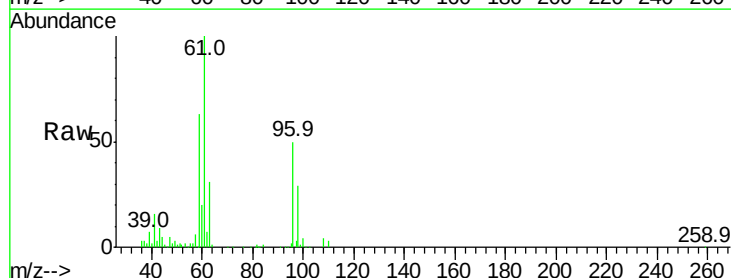
Tgt Ion: 96 Resp: 93952

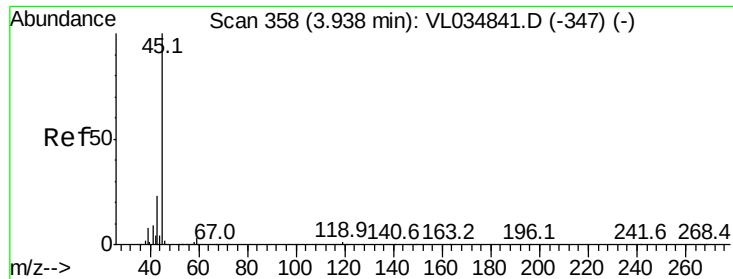
Ion Ratio Lower Upper

96 100

61 198.4 157.3 235.9

98 57.0 50.2 75.4

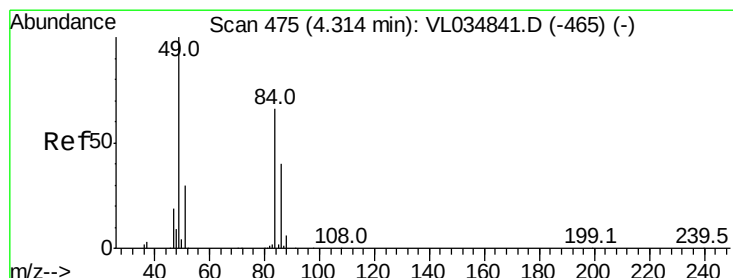
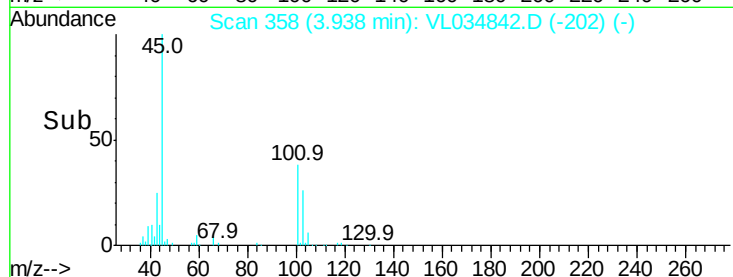
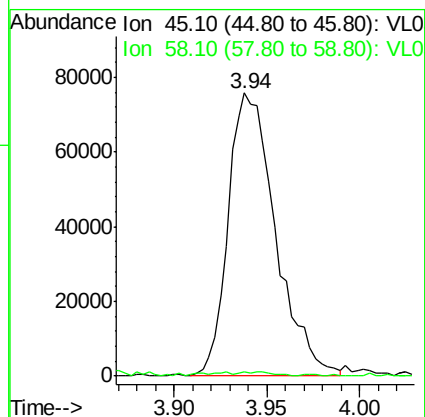
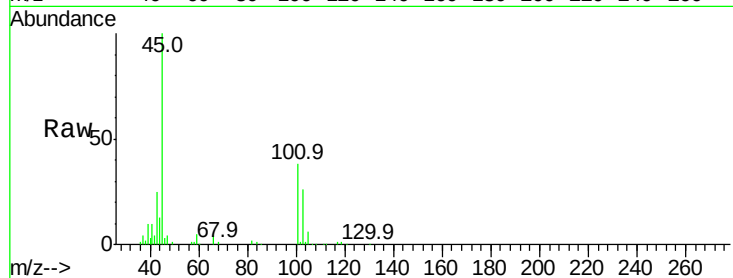




#19
Isopropyl Alcohol
Concen: 2.000 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

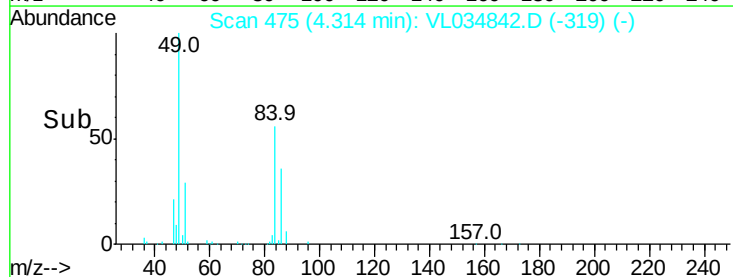
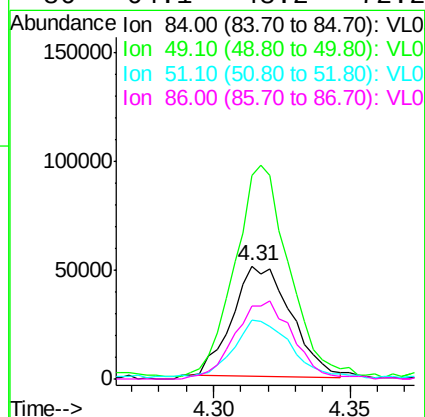
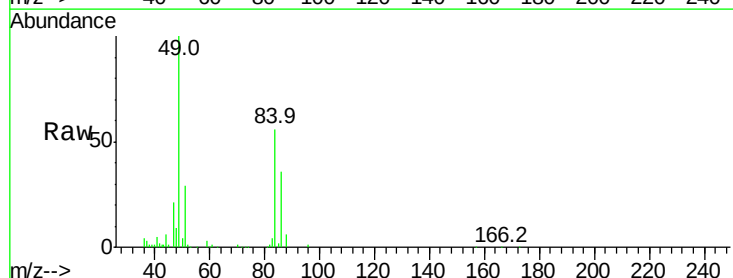
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

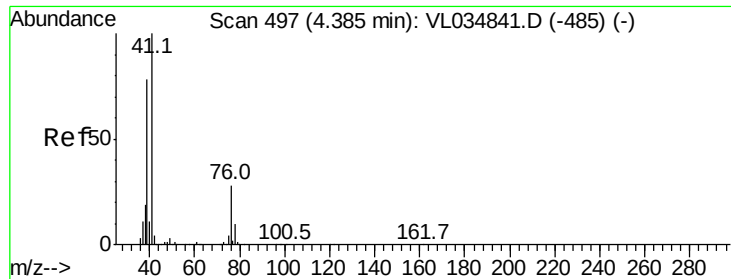
Tgt Ion: 45 Resp: 134711
Ion Ratio Lower Upper
45 100
58 2.1 30.5 45.7#



#20
Methylene Chloride
Concen: 1.893 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 84 Resp: 75944
Ion Ratio Lower Upper
84 100
49 180.0 121.5 182.3
51 51.8 36.6 55.0
86 64.1 48.2 72.2

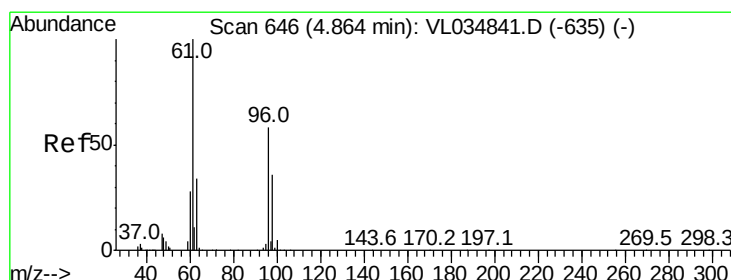
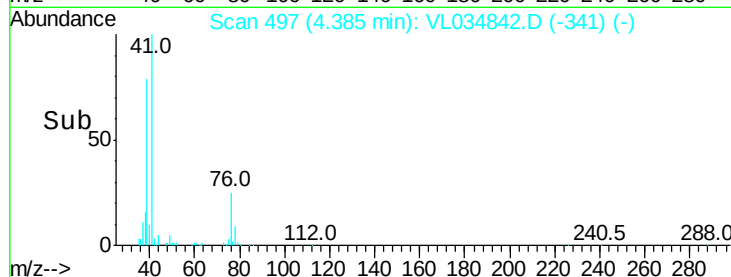
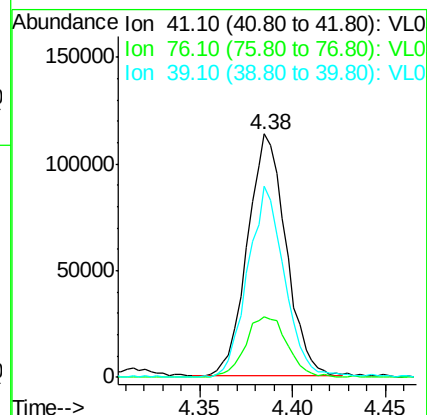
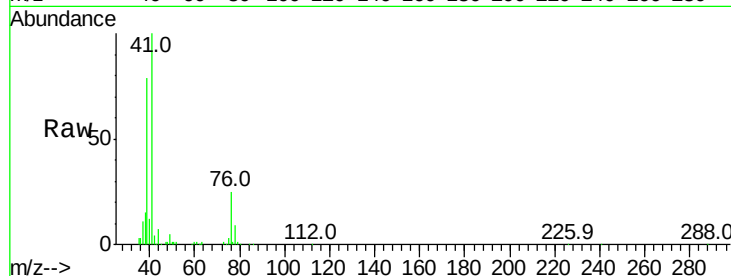




#21
 Allyl Chloride
 Concen: 2.310 ppbv
 RT: 4.38 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

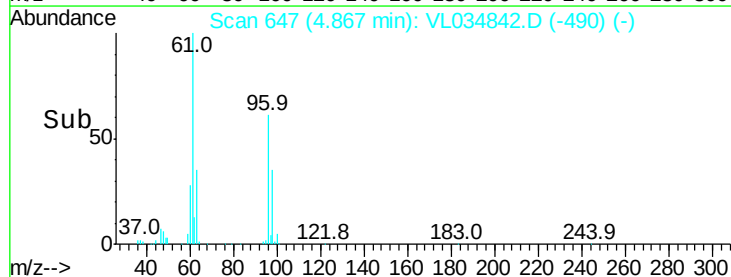
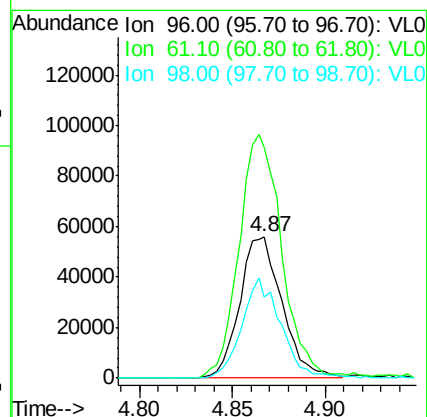
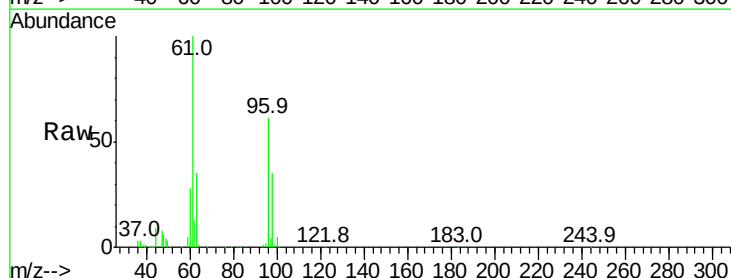
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

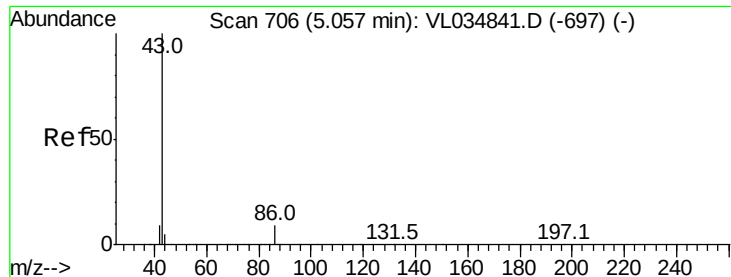
Tgt Ion: 41 Resp: 164475
 Ion Ratio Lower Upper
 41 100
 76 27.5 22.2 33.2
 39 75.4 62.6 93.8



#22
 trans-1,2-Dichloroethene
 Concen: 2.182 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. 0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Tgt Ion: 96 Resp: 88852
 Ion Ratio Lower Upper
 96 100
 61 163.0 139.0 208.6
 98 57.1 50.3 75.5





#23

Vinyl Acetate

Concen: 2.568 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 387165

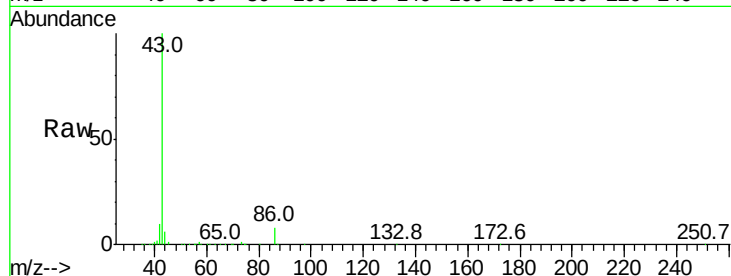
Ion Ratio Lower Upper

43 100

86 8.0 6.3 9.5

42 9.4 7.8 11.8

44 4.4 4.0 6.0

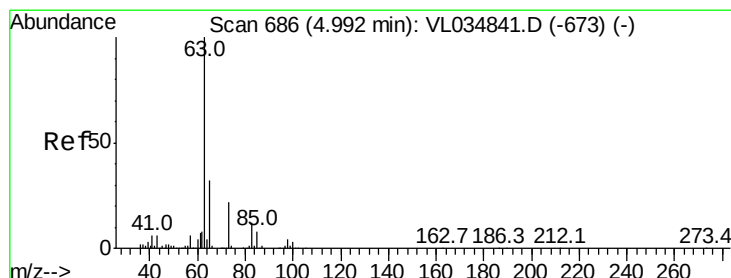
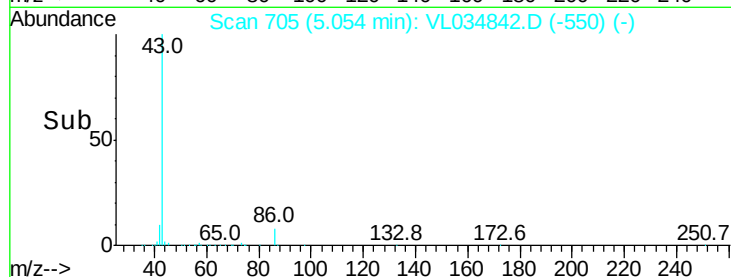
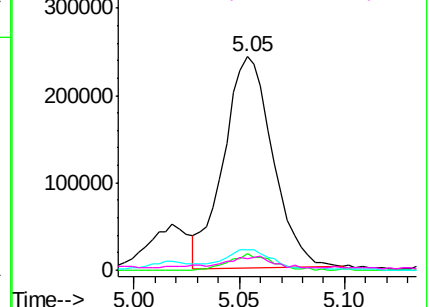


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.187 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

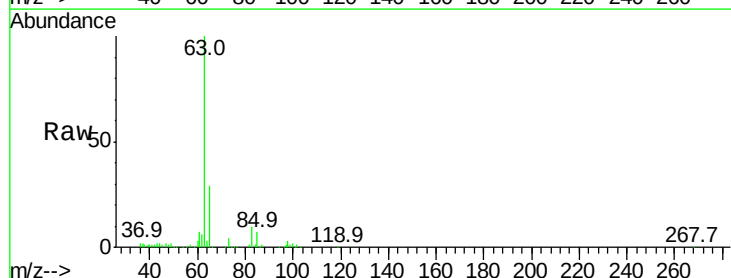
Tgt Ion: 63 Resp: 255858

Ion Ratio Lower Upper

63 100

98 3.1 2.0 5.8

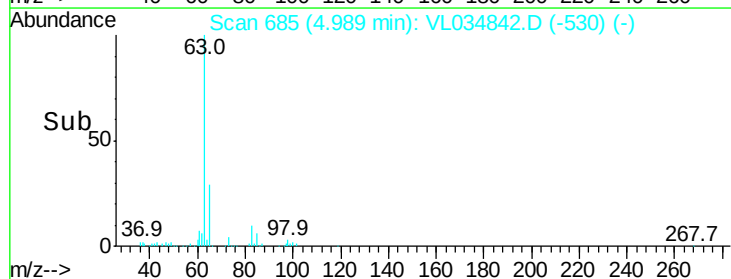
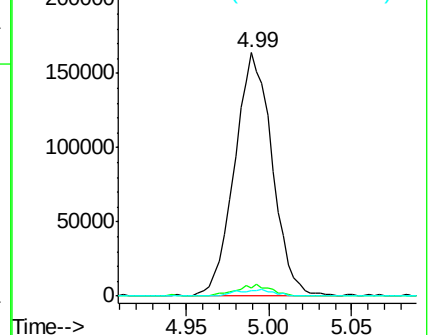
100 2.2 1.4 4.0

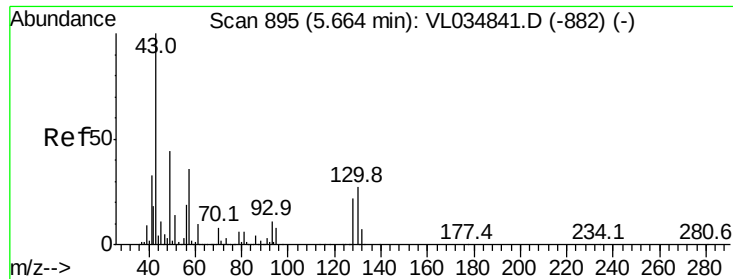


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

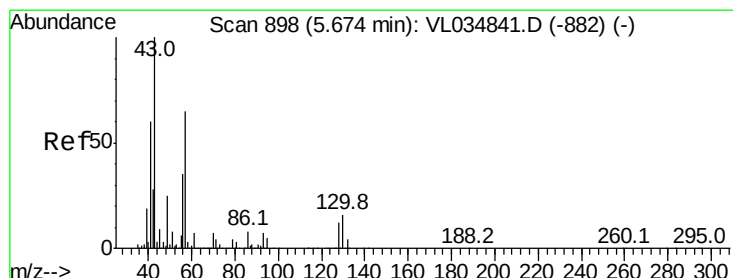
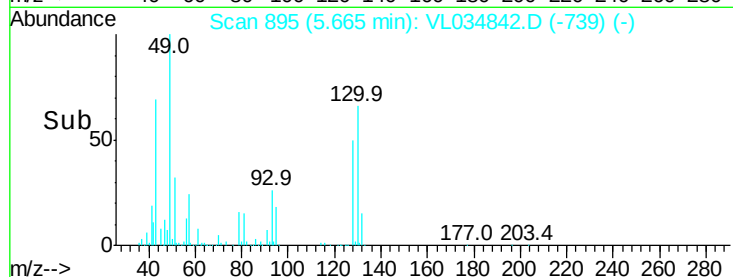
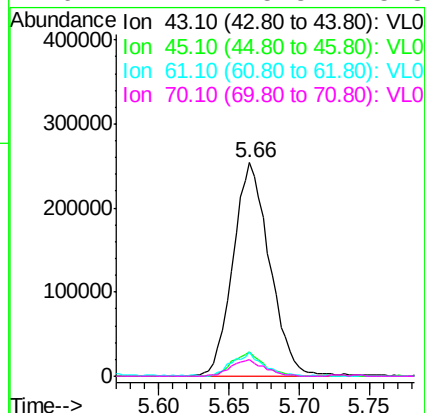
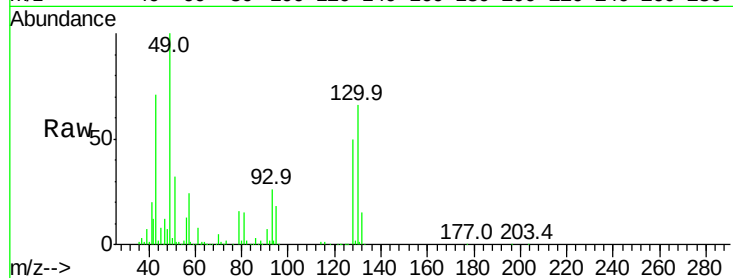




#25
Ethyl Acetate
Concen: 2.382 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

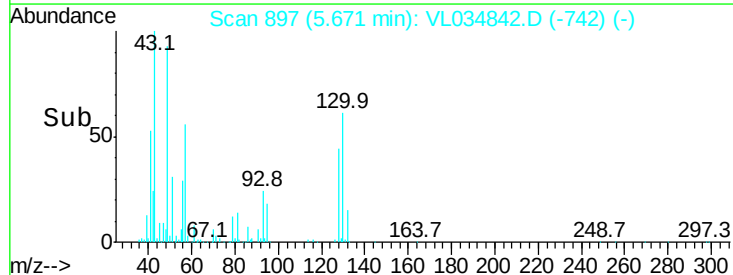
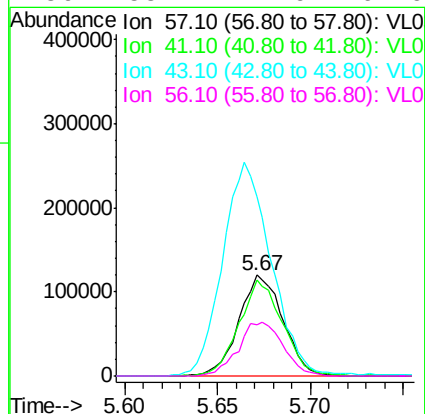
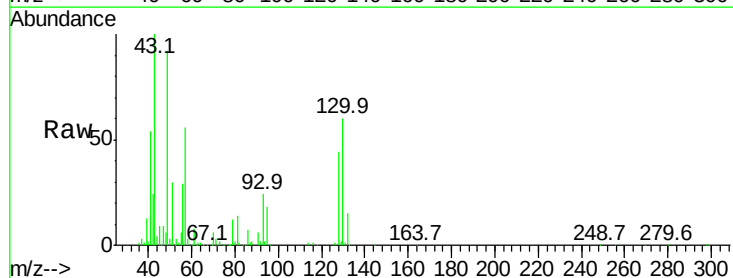
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

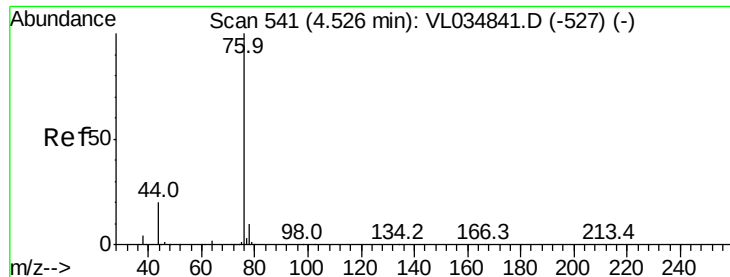
Tgt Ion:	43	Resp:	462765
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.2	12.2
61	9.9	7.8	11.6
70	7.2	5.8	8.8



#26
Hexane
Concen: 2.305 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion:	57	Resp:	195611
Ion	Ratio	Lower	Upper
57	100		
41	95.1	72.6	109.0
43	236.8	183.8	275.6
56	55.7	41.9	62.9





#27

Carbon Disulfide

Concen: 2.326 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

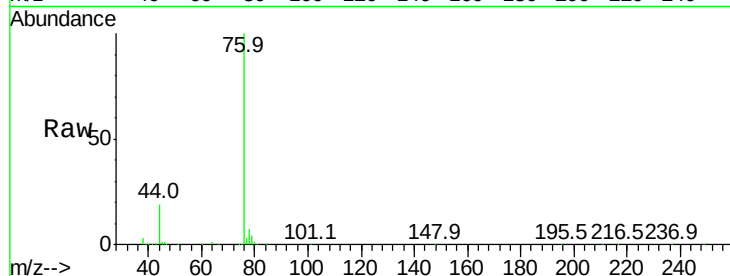
Tgt Ion: 76 Resp: 230618

Ion Ratio Lower Upper

76 100

44 23.0 16.2 24.2

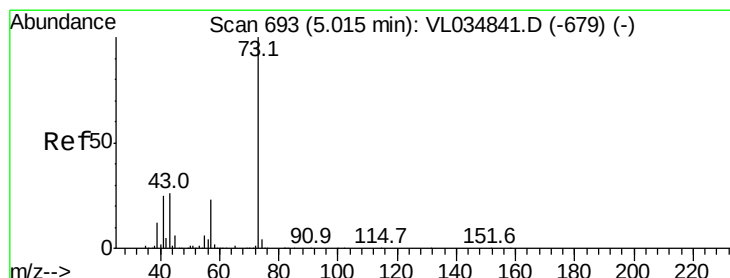
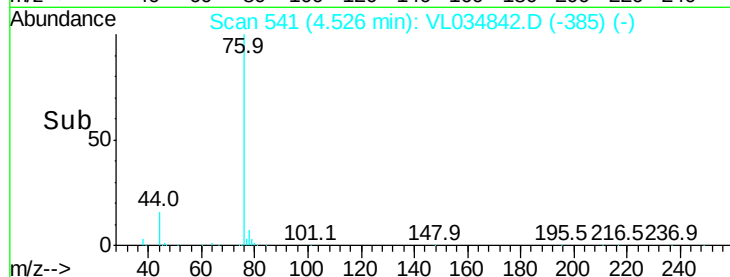
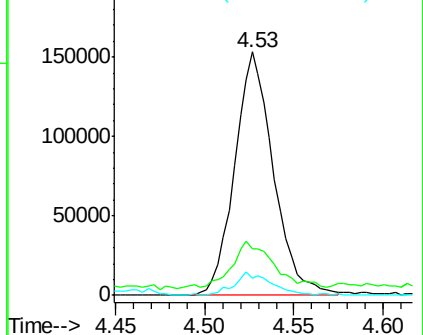
78 9.6 7.8 11.6



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: 2.642 ppbv

RT: 5.02 min Scan# 693

Delta R.T. 0.00 min

Lab File: VL034842.D

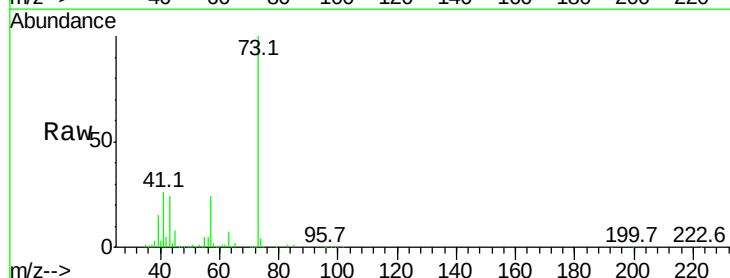
Acq: 9 Mar 2020 12:59

Tgt Ion: 73 Resp: 333684

Ion Ratio Lower Upper

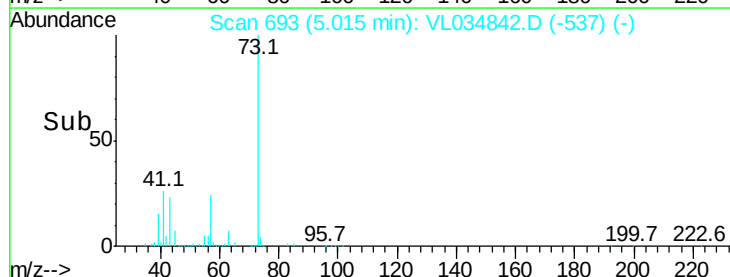
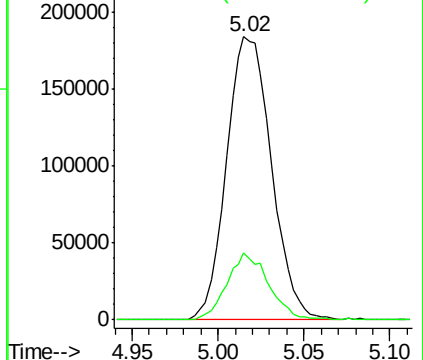
73 100

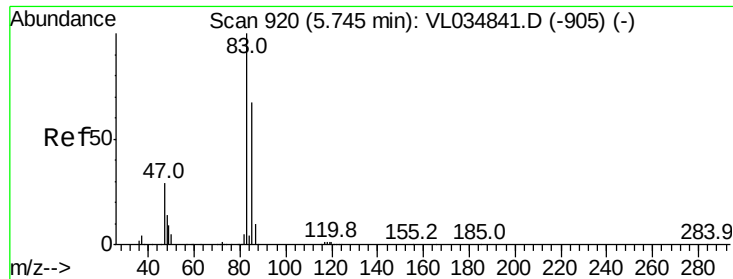
57 22.1 18.3 27.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

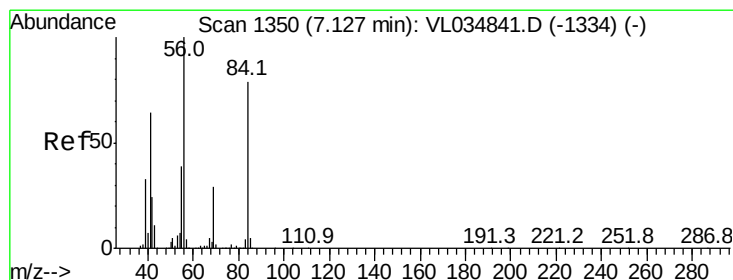
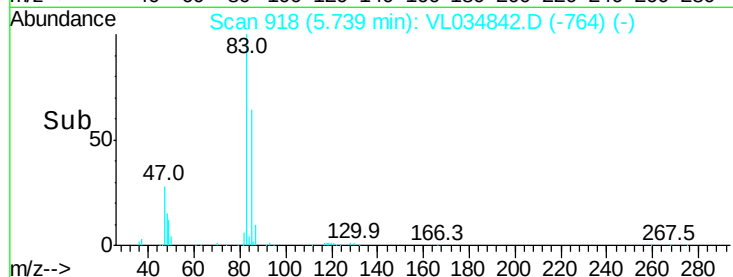
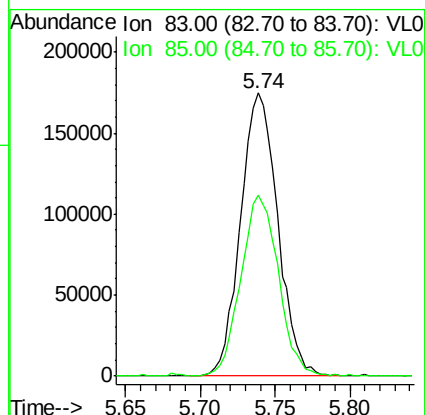
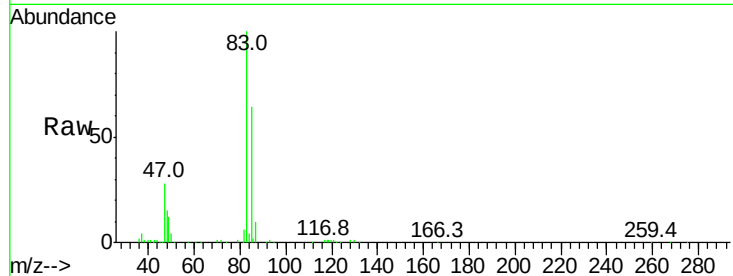




#29
Chloroform
Concen: 2.119 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.01 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

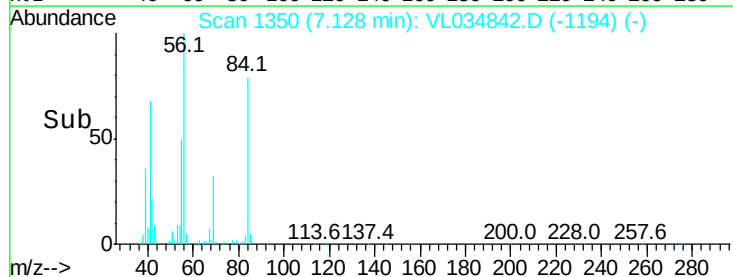
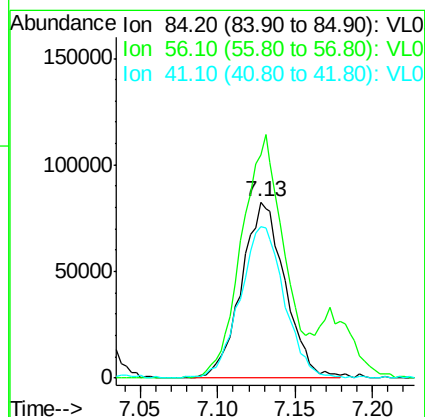
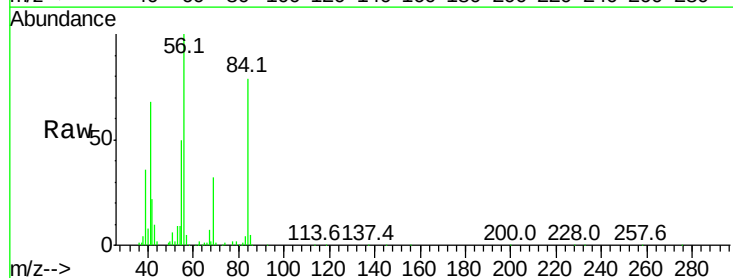
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

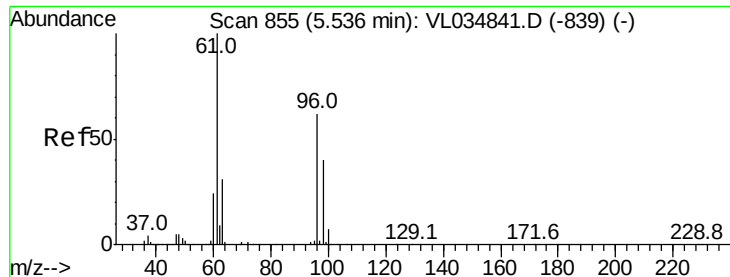
Tgt Ion: 83 Resp: 302766
Ion Ratio Lower Upper
83 100
85 63.8 53.8 80.6



#30
Cyclohexane
Concen: 2.464 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 84 Resp: 159988
Ion Ratio Lower Upper
84 100
56 139.0 110.5 165.7
41 89.2 68.2 102.4



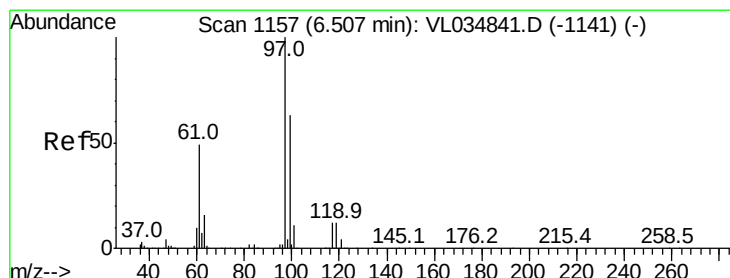
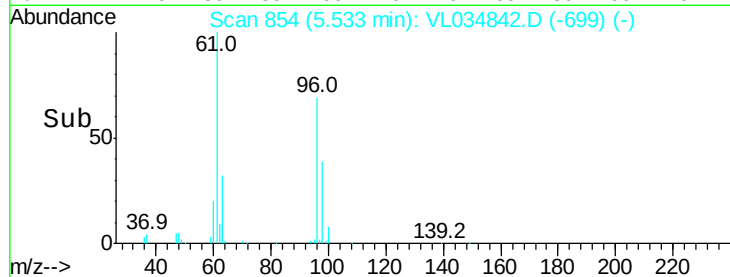
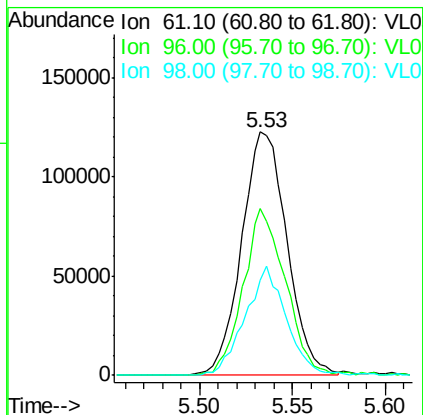
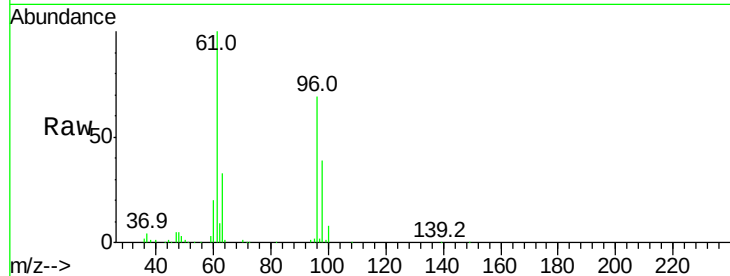


#31

cis-1,2-Dichloroethene
 Concen: 2.398 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

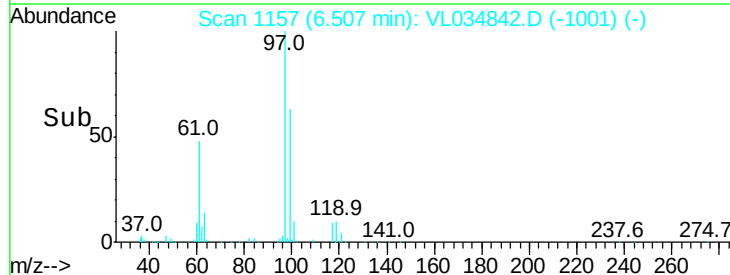
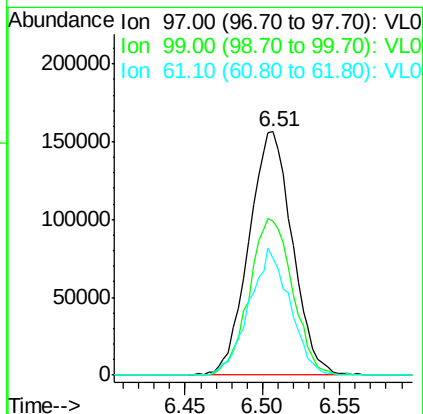
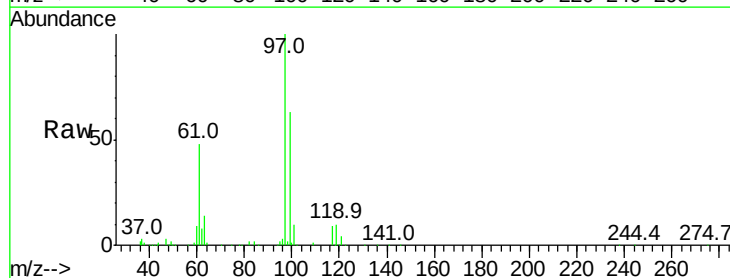
Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.7	49.8	74.8
98	38.8	32.2	48.4

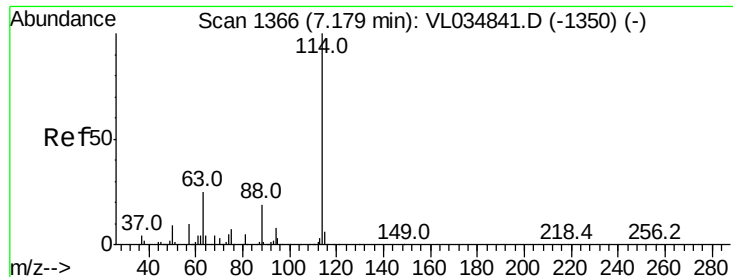


#32

1,1,1-Trichloroethane
 Concen: 2.165 ppbv
 RT: 6.51 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.1	76.7
61	48.9	39.7	59.5

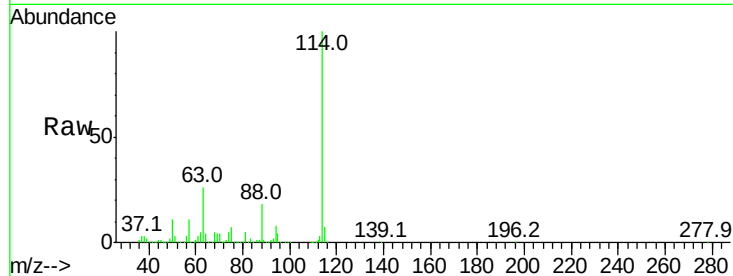




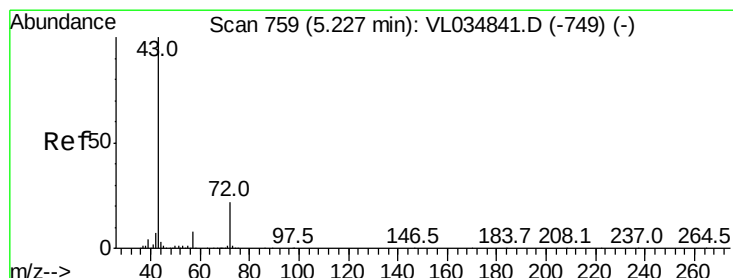
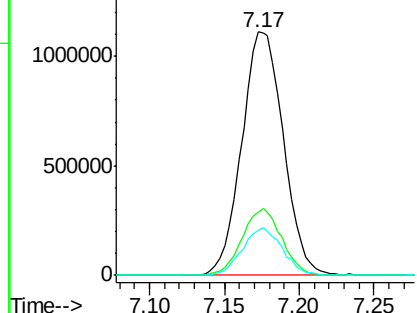
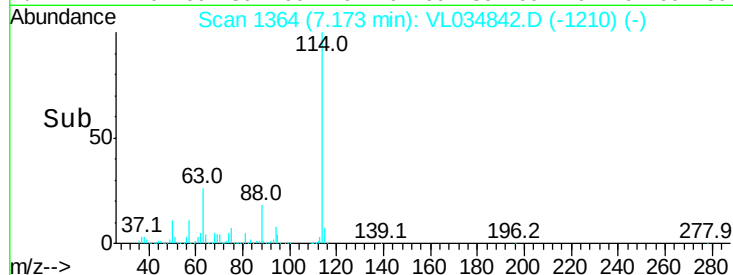
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion:114 Resp: 2151004
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.6 31.0
 88 18.7 15.0 22.6

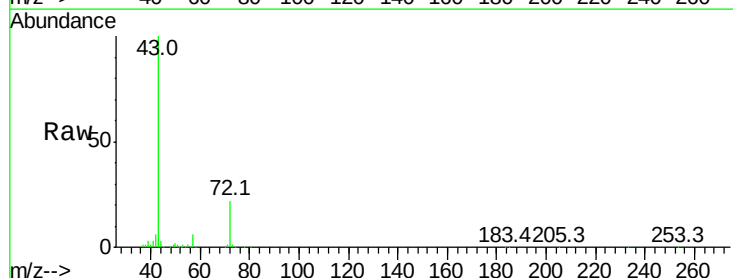


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

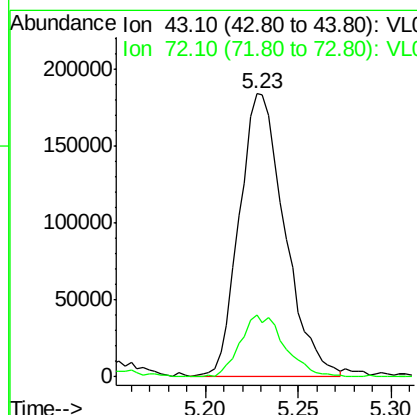
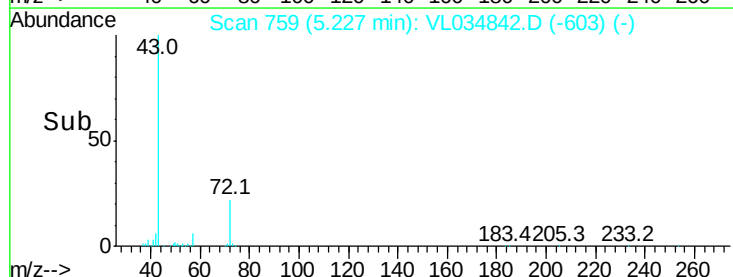


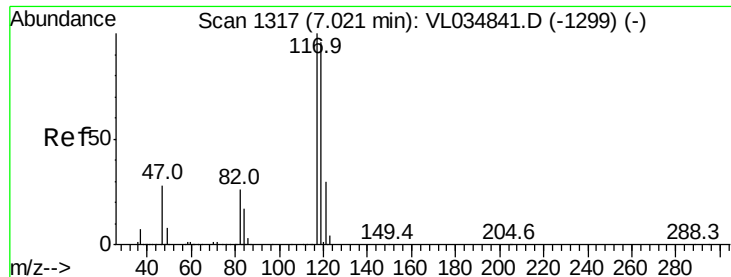
#34
 2-Butanone
 Concen: 2.220 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Tgt Ion: 43 Resp: 310671
 Ion Ratio Lower Upper
 43 100
 72 22.0 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: 1.873 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

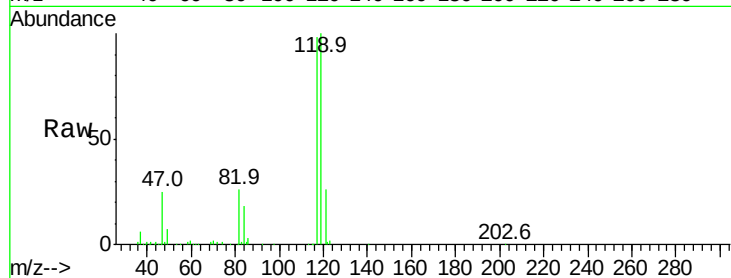
Tgt Ion:117 Resp: 303942

Ion Ratio Lower Upper

117 100

119 101.8 77.0 115.4

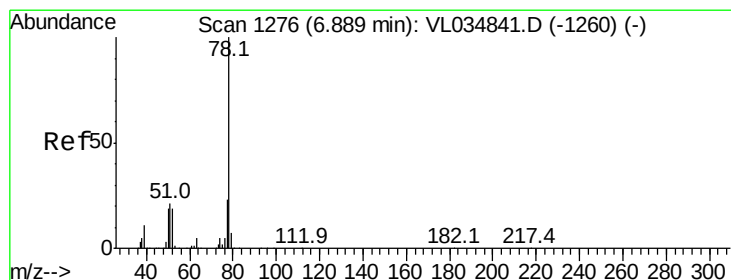
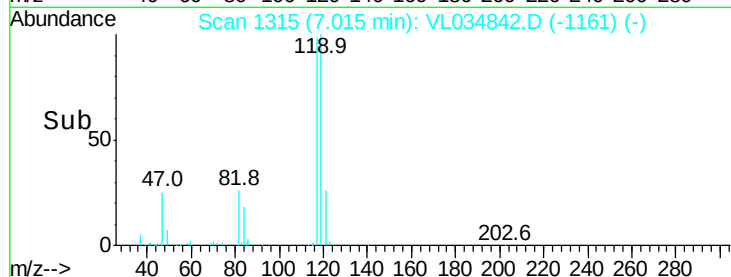
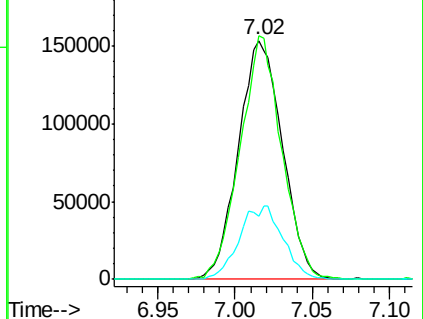
121 26.7 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.242 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

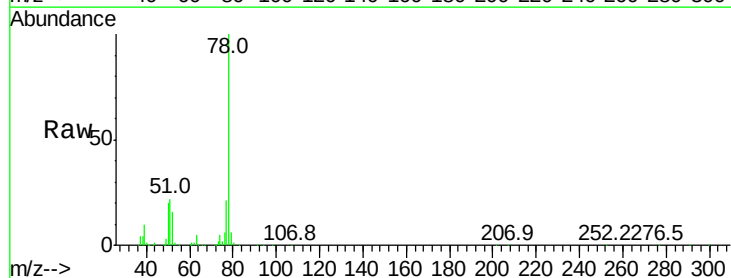
Tgt Ion: 78 Resp: 412044

Ion Ratio Lower Upper

78 100

77 20.6 18.2 27.2

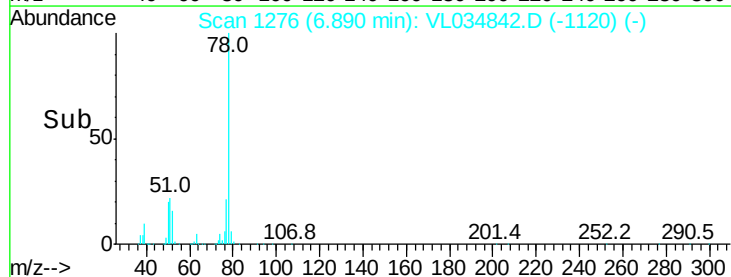
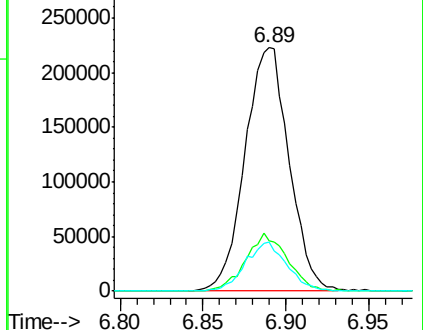
50 20.1 15.2 22.8

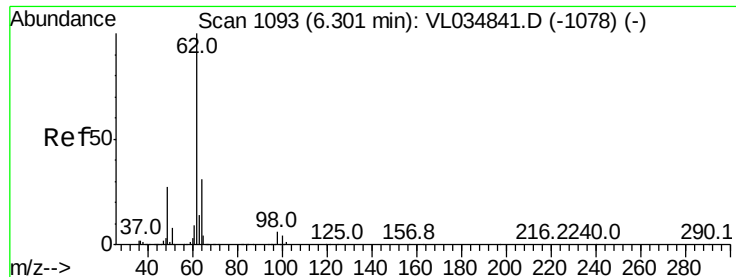


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

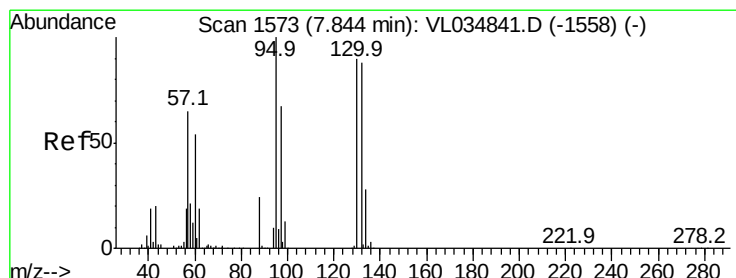
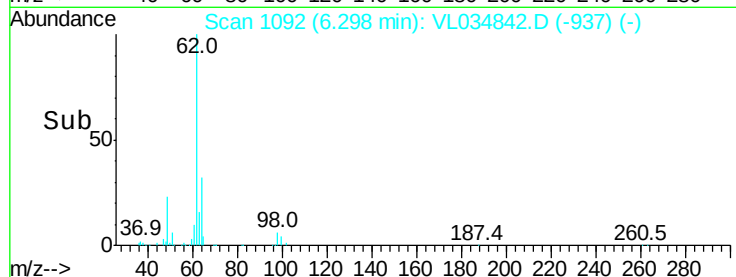
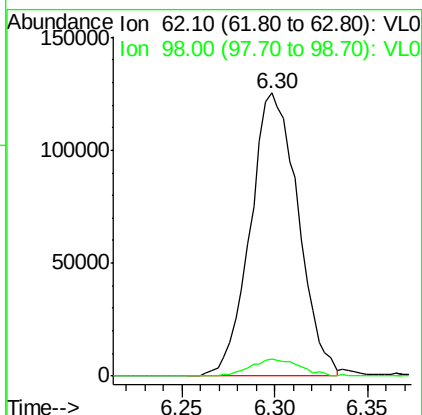
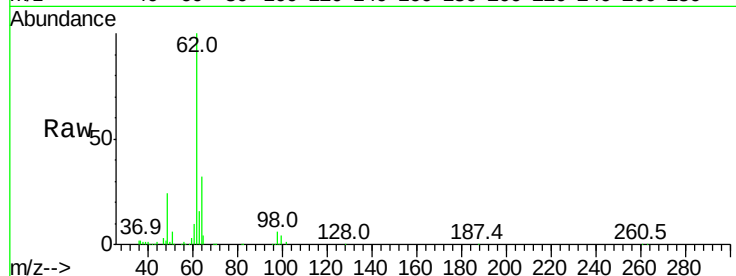




#37
 1,2-Dichloroethane
 Concen: 1.786 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

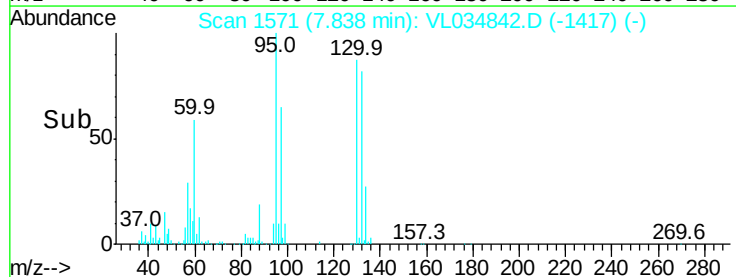
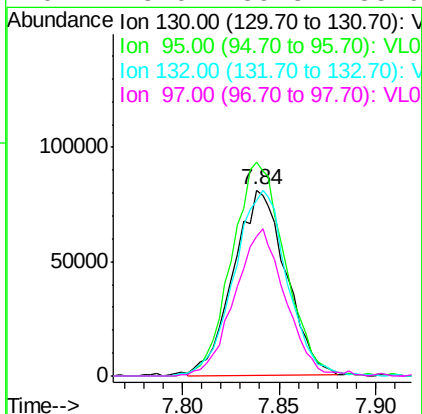
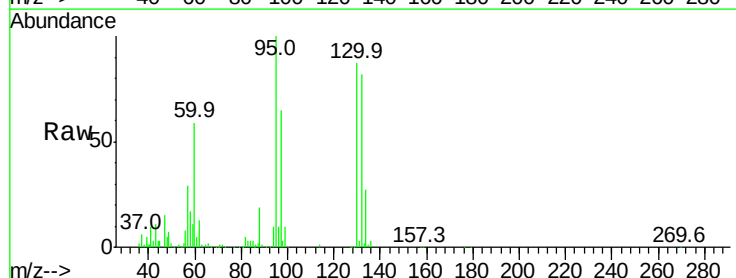
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

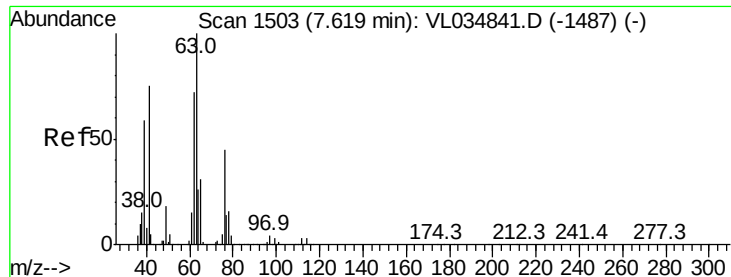
Tgt Ion: 62 Resp: 224246
 Ion Ratio Lower Upper
 62 100
 98 6.4 5.2 7.8



#38
 Trichloroethene
 Concen: 2.137 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Tgt Ion: 130 Resp: 153084
 Ion Ratio Lower Upper
 130 100
 95 114.7 88.5 132.7
 132 93.9 78.0 117.0
 97 75.0 59.3 88.9





#39

1,2-Dichloropropane

Concen: 2.140 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

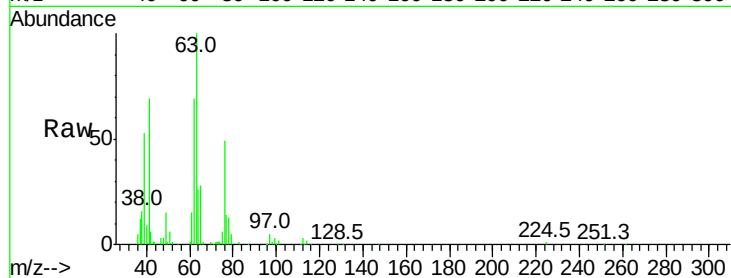
Tgt Ion: 63 Resp: 158709

Ion Ratio Lower Upper

63 100

41 68.1 59.8 89.8

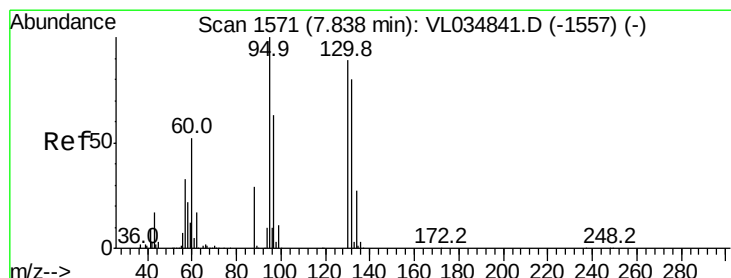
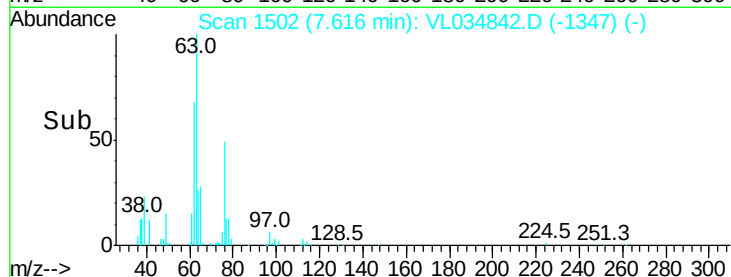
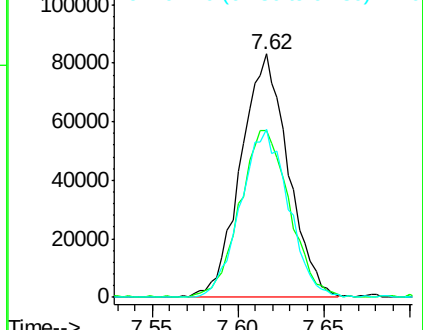
62 68.6 57.6 86.4



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: 0.692 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Tgt Ion: 88 Resp: 17745

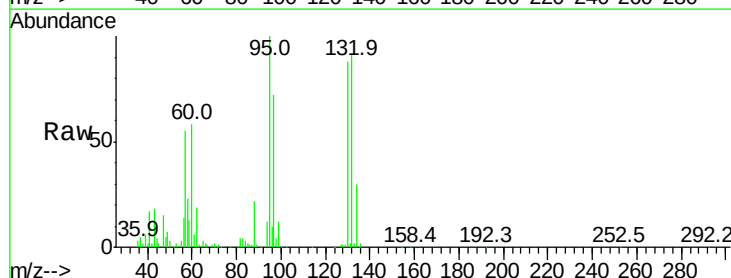
Ion Ratio Lower Upper

88 100

58 0.0 103.9 155.9#

43 0.0 0.0 0.0

57 0.0 0.0 0.0

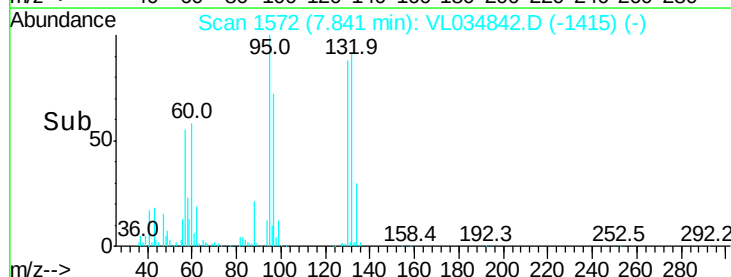
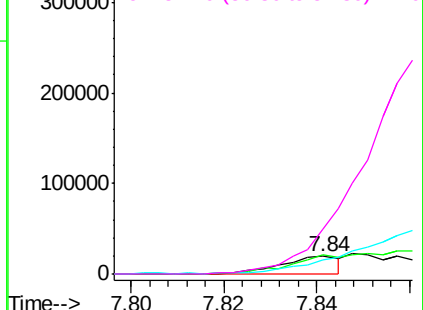


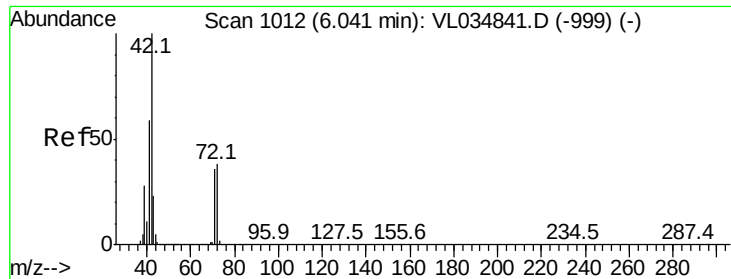
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 2.247 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

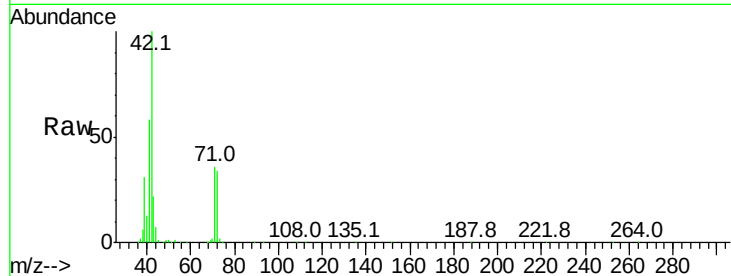
Tgt Ion: 42 Resp: 160440

Ion Ratio Lower Upper

42 100

72 39.6 30.8 46.2

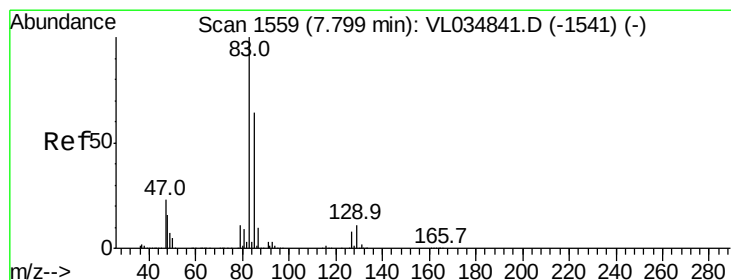
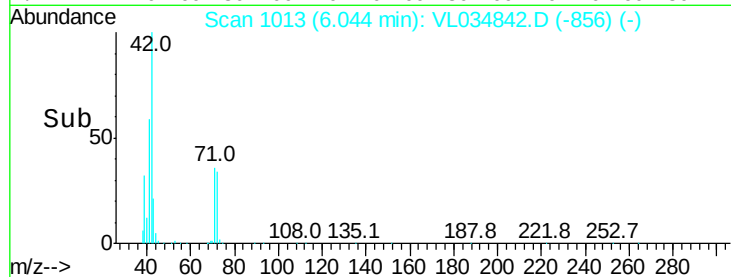
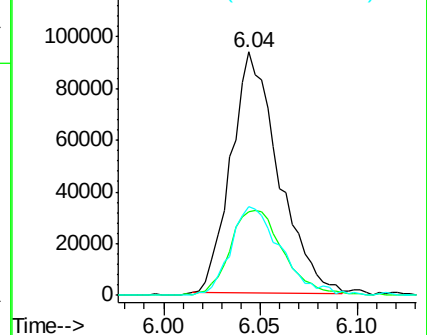
71 38.7 30.1 45.1



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: 2.027 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

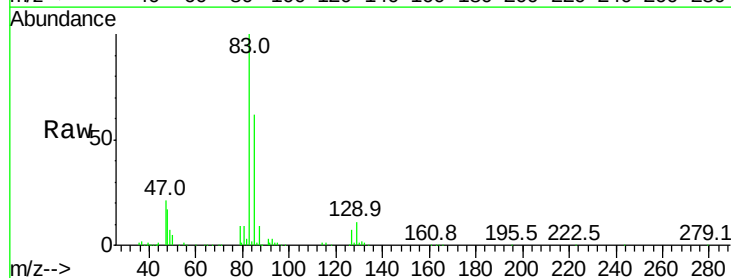
Tgt Ion: 83 Resp: 322024

Ion Ratio Lower Upper

83 100

85 62.2 51.4 77.2

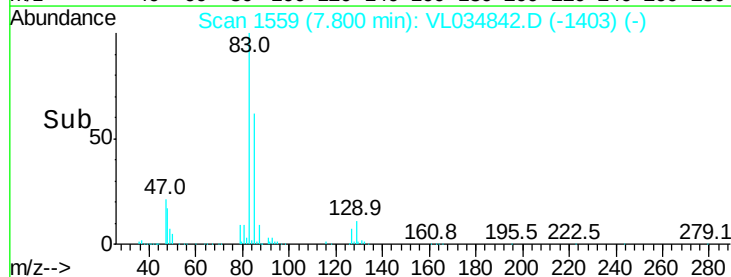
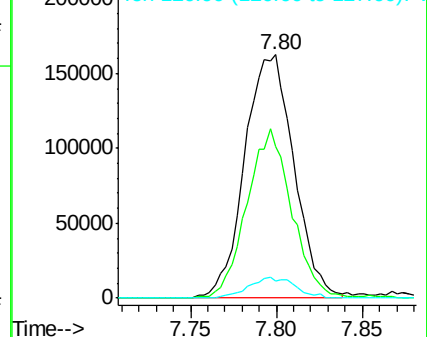
127 7.9 6.2 9.4

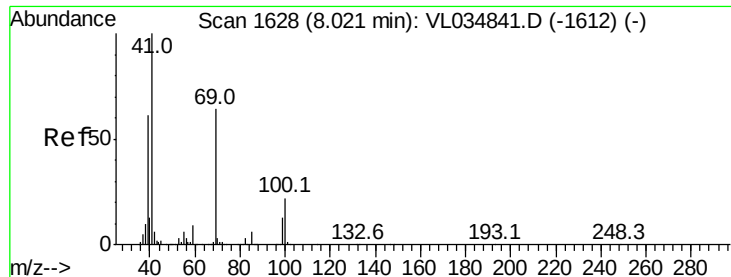


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 1.260 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

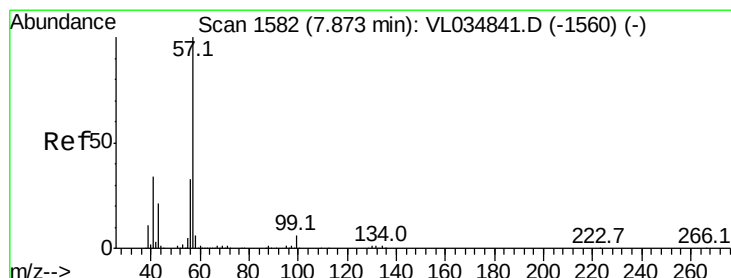
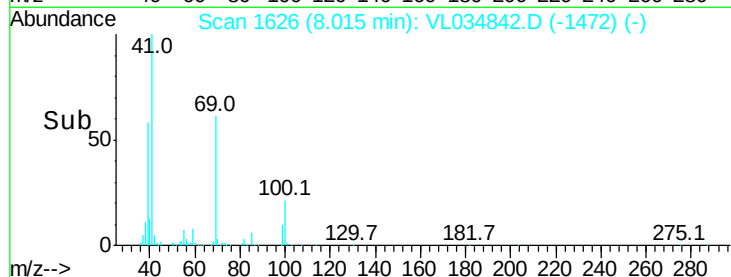
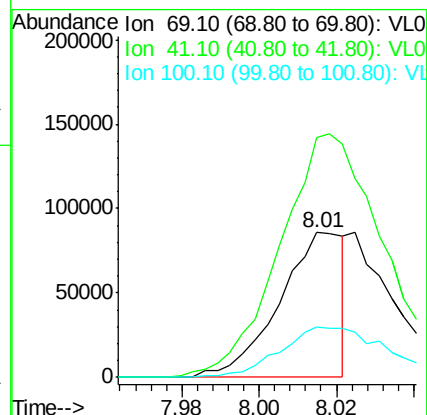
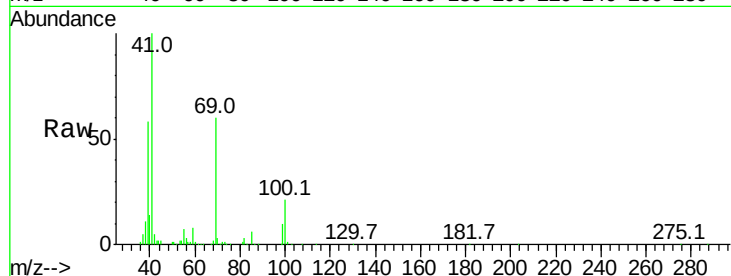
Tgt Ion: 69 Resp: 98149

Ion Ratio Lower Upper

69 100

41 274.7 123.2 184.8#

100 59.3 26.9 40.3#



#44

2,2,4-Trimethylpentane

Concen: 2.186 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

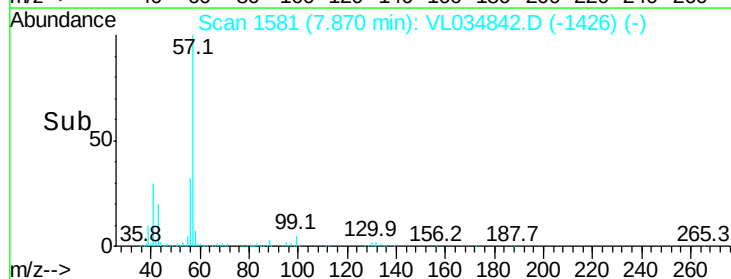
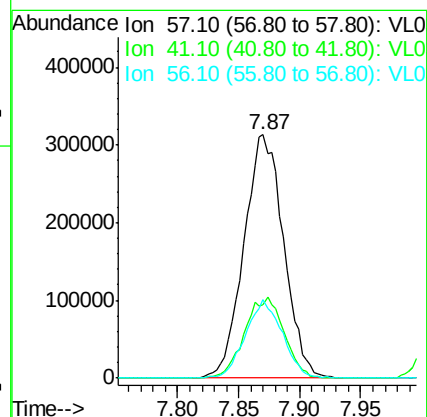
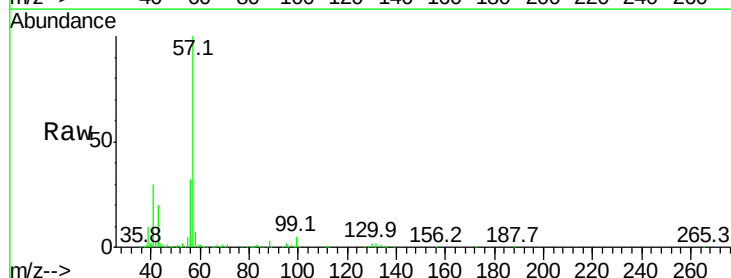
Tgt Ion: 57 Resp: 702226

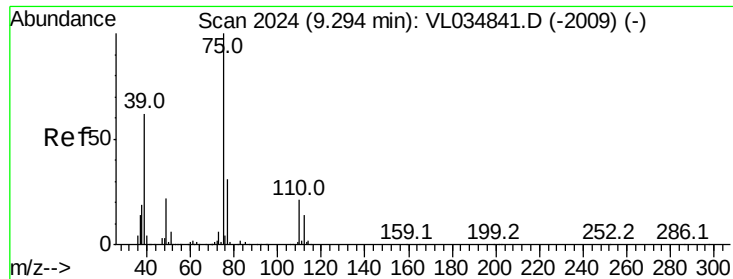
Ion Ratio Lower Upper

57 100

41 33.6 26.2 39.4

56 30.1 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 2.463 ppbv

RT: 9.29 min Scan# 2023

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

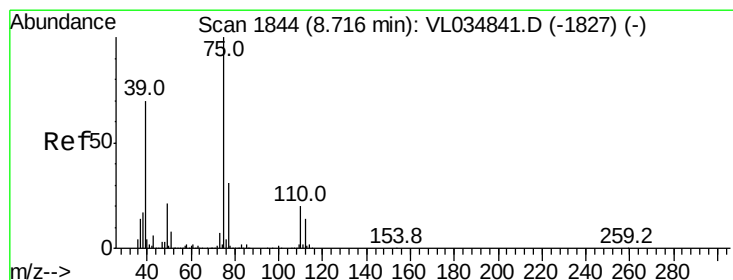
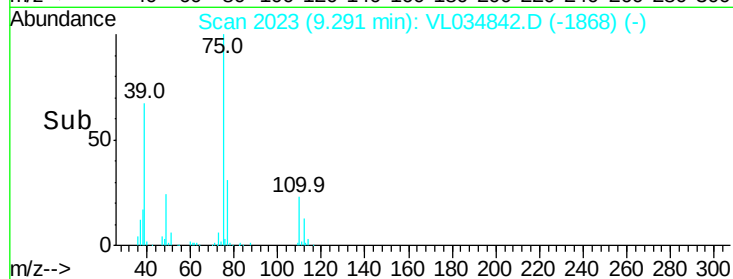
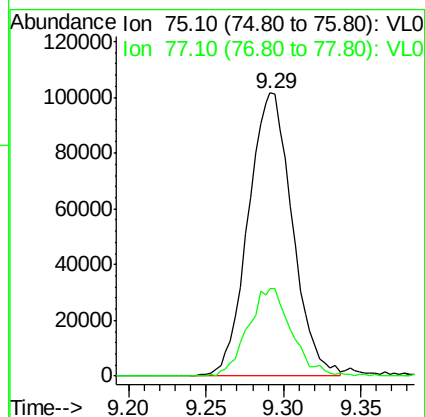
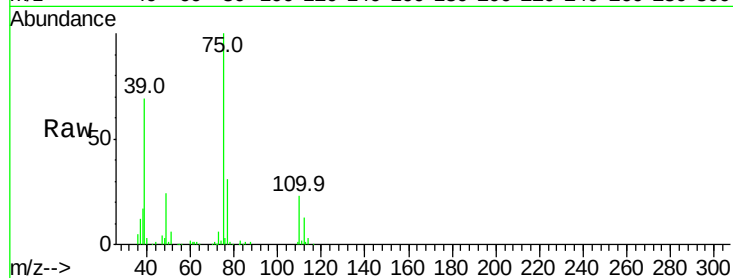
VSTDIC002

Tgt Ion: 75 Resp: 201390

Ion Ratio Lower Upper

75 100

77 31.0 24.6 37.0



#46

cis-1,3-Dichloropropene

Concen: 2.428 ppbv

RT: 8.72 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

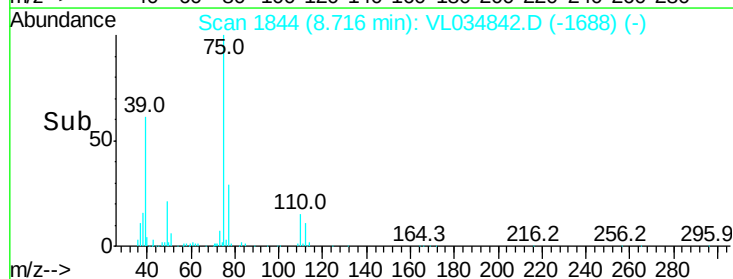
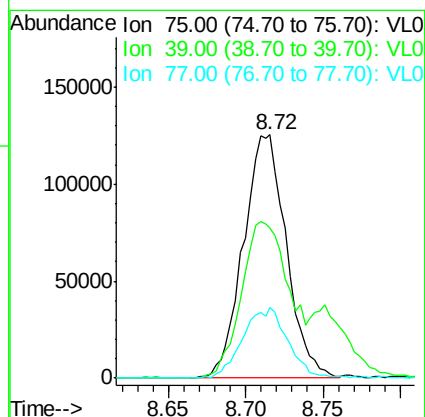
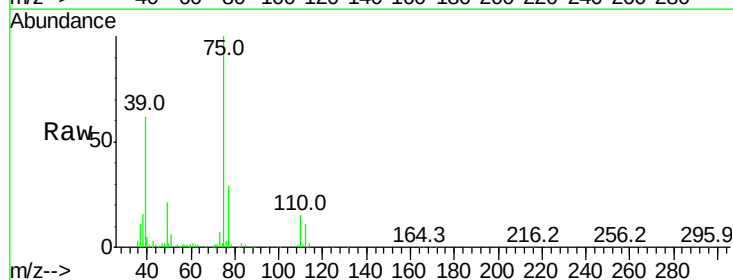
Tgt Ion: 75 Resp: 242404

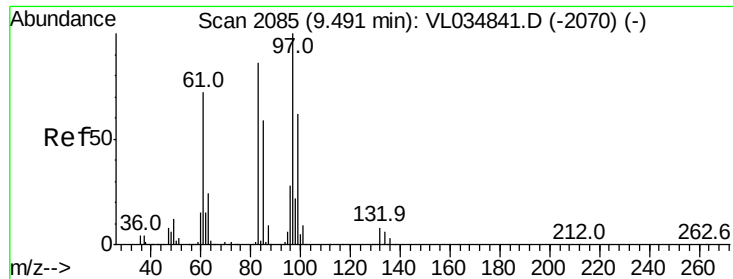
Ion Ratio Lower Upper

75 100

39 61.2 55.7 83.5

77 29.1 24.7 37.1





#47

1,1,2-Trichloroethane

Concen: 1.265 ppbv

RT: 9.49 min Scan# 2084

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 97 Resp: 99064

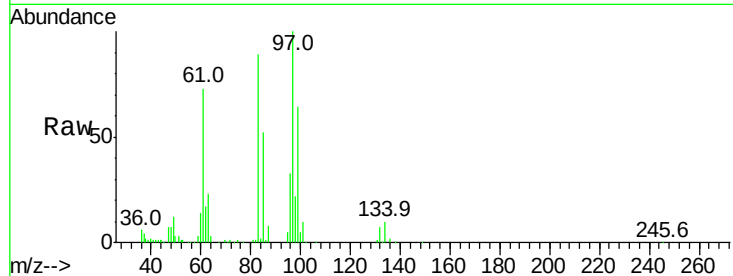
Ion Ratio Lower Upper

97 100

83 86.6 68.6 102.8

85 51.8 46.9 70.3

99 63.5 49.9 74.9

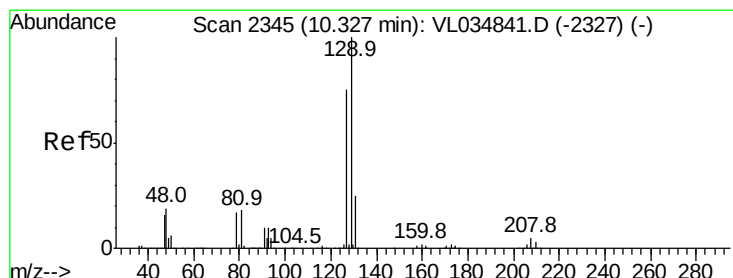
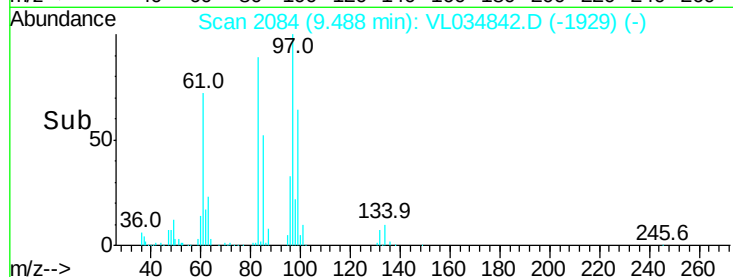
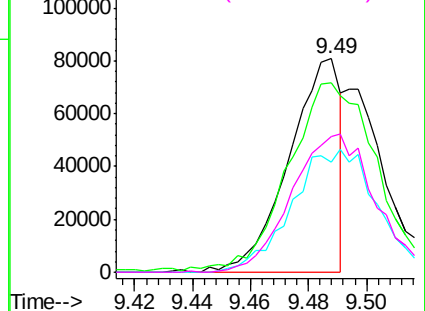


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 2.243 ppbv

RT: 10.32 min Scan# 2344

Delta R.T. -0.00 min

Lab File: VL034842.D

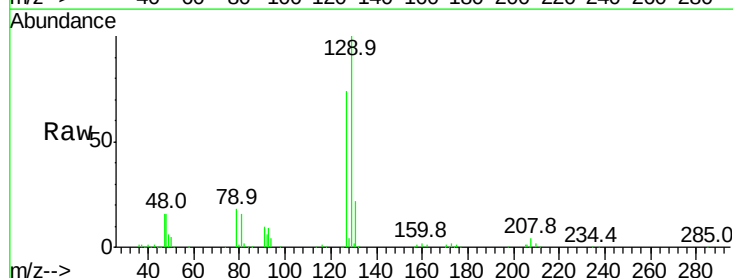
Acq: 9 Mar 2020 12:59

Tgt Ion: 129 Resp: 274680

Ion Ratio Lower Upper

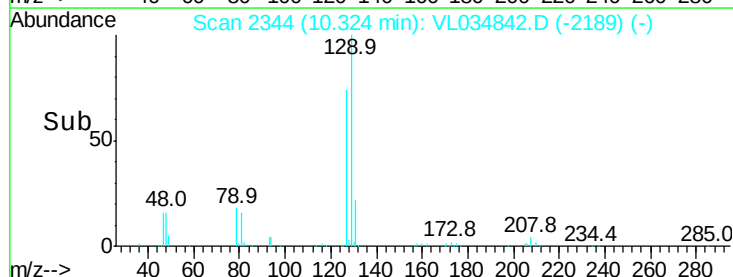
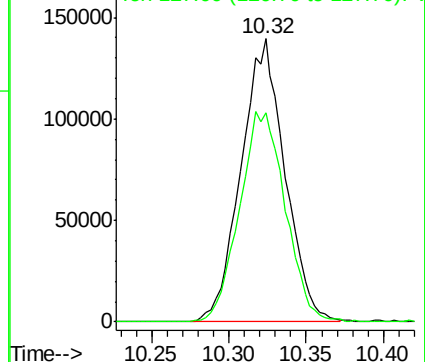
129 100

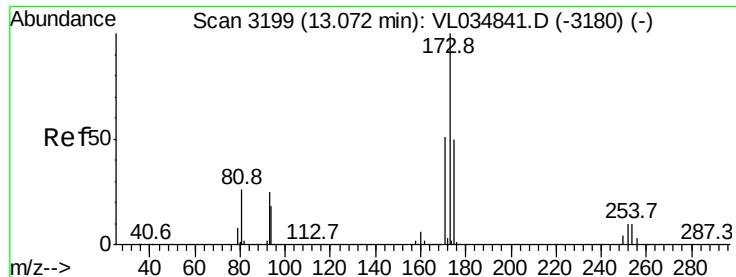
127 77.8 39.6 118.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 2.312 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

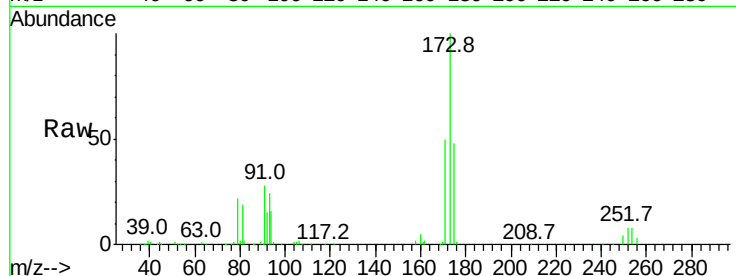
Tgt Ion:173 Resp: 247040

Ion Ratio Lower Upper

173 100

175 49.6 39.6 59.4

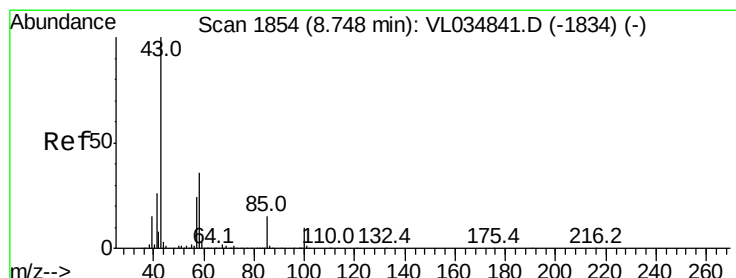
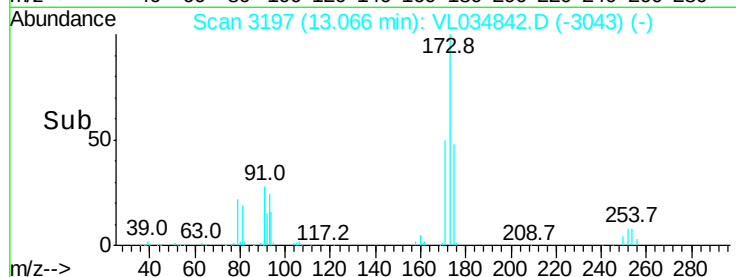
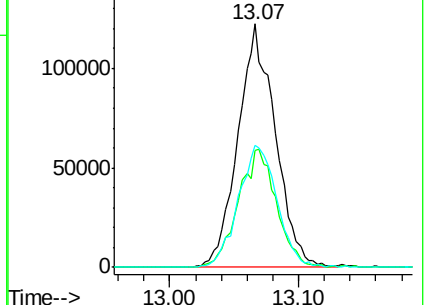
171 52.0 41.0 61.6



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: 2.197 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.01 min

Lab File: VL034842.D

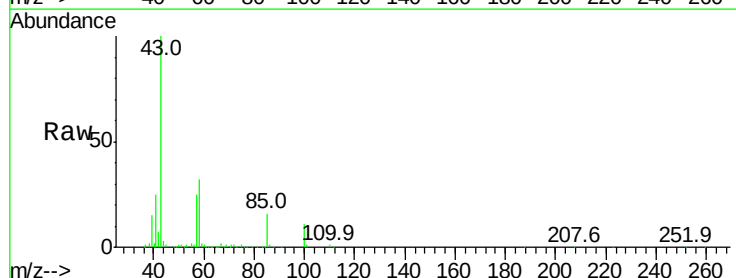
Acq: 9 Mar 2020 12:59

Tgt Ion: 43 Resp: 440493

Ion Ratio Lower Upper

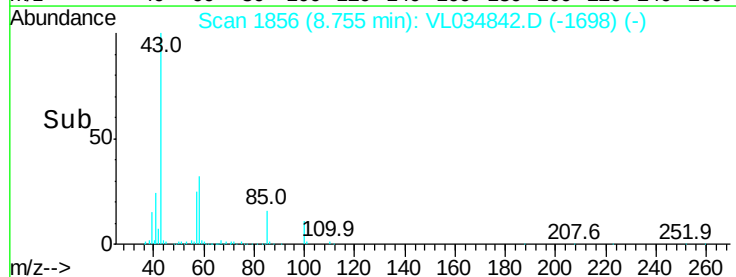
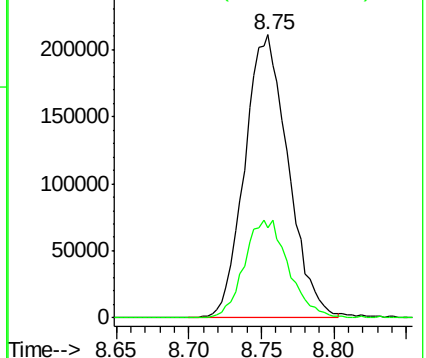
43 100

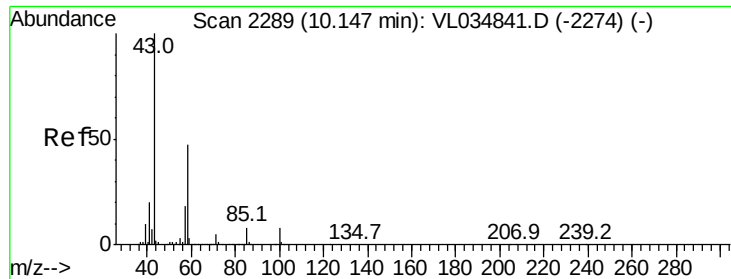
58 35.6 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

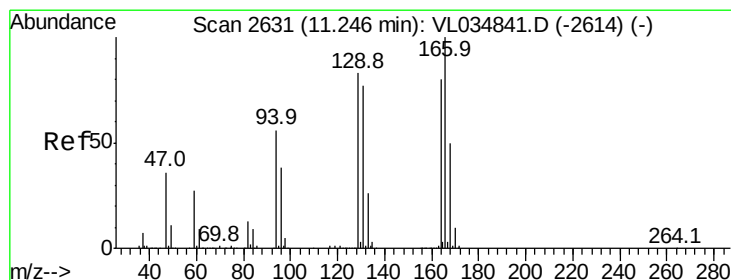
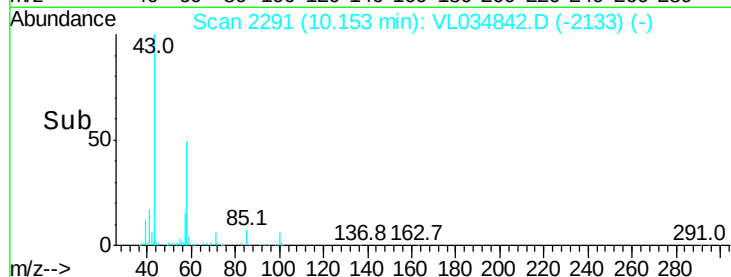
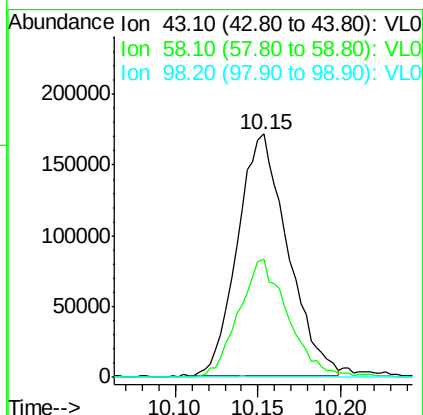
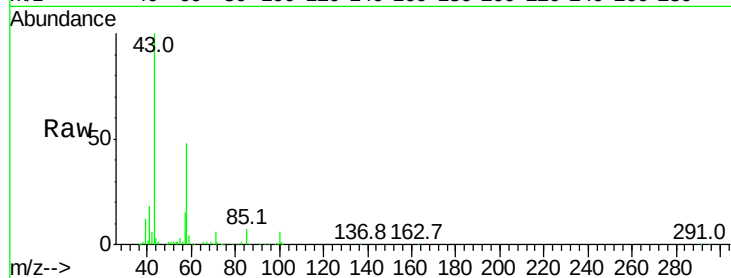




#51
2-Hexanone
Concen: 2.280 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. 0.01 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

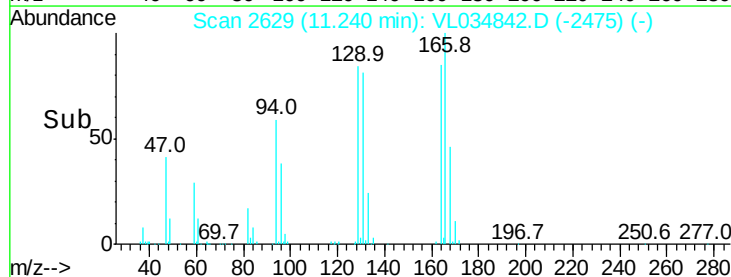
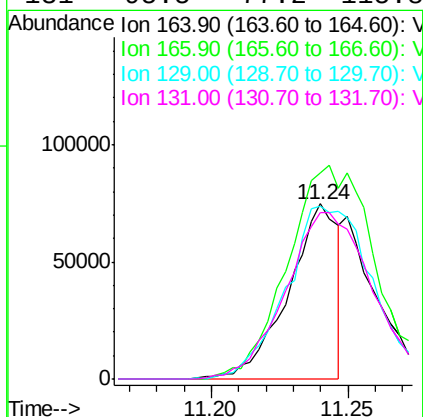
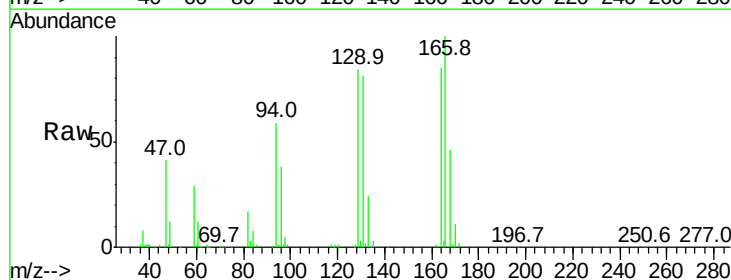
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

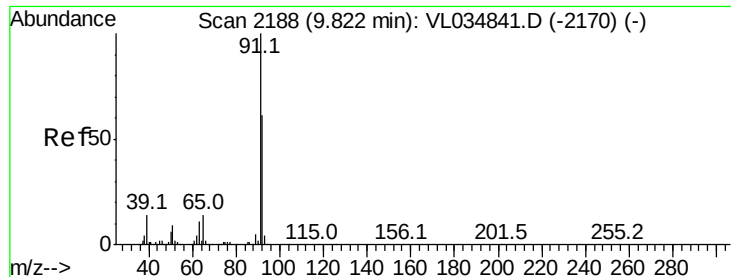
Tgt Ion: 43 Resp: 358666
Ion Ratio Lower Upper
43 100
58 48.8 38.6 58.0
98 0.1 0.1 0.1#



#52
Tetrachloroethene
Concen: 1.382 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 164 Resp: 93863
Ion Ratio Lower Upper
164 100
166 118.1 100.0 150.0
129 98.7 83.1 124.7
131 95.5 77.2 115.8





#53

Toluene

Concen: 2.457 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

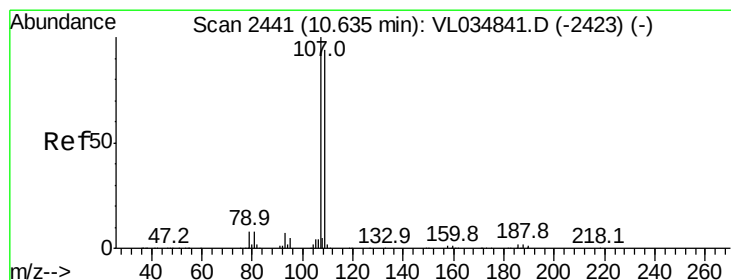
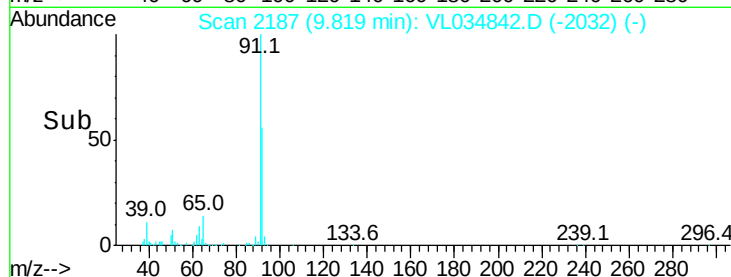
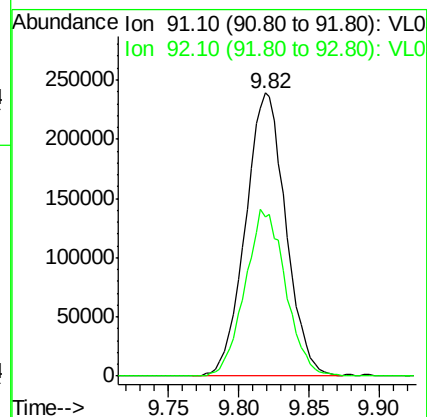
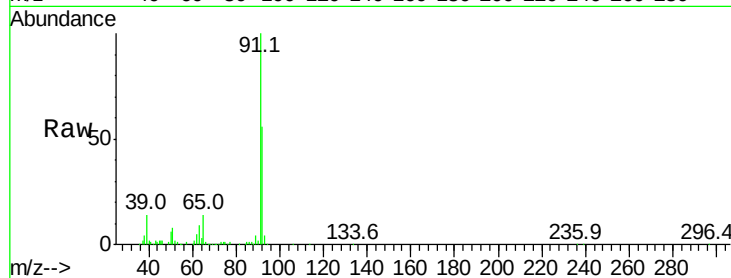
VSTDIC002

Tgt Ion: 91 Resp: 477915

Ion Ratio Lower Upper

91 100

92 59.4 48.6 72.8



#54

1,2-Dibromoethane

Concen: 2.183 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. -0.01 min

Lab File: VL034842.D

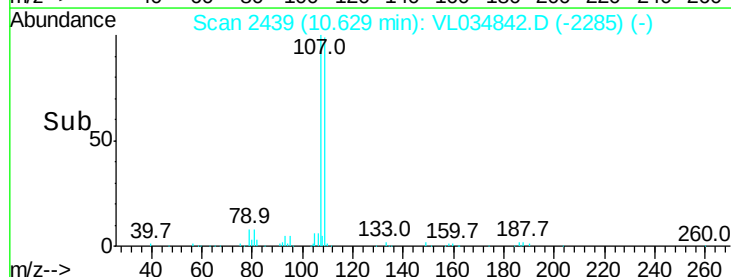
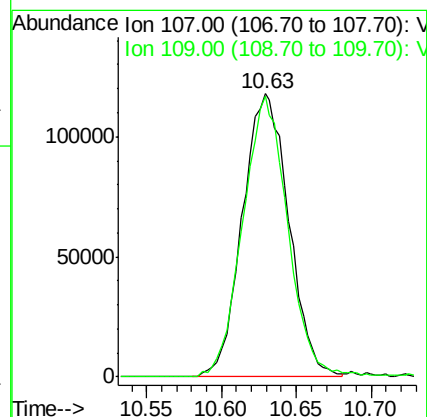
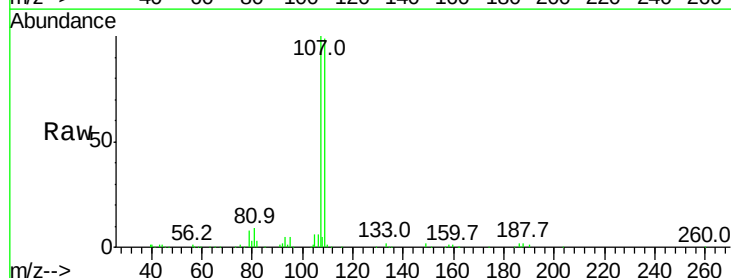
Acq: 9 Mar 2020 12:59

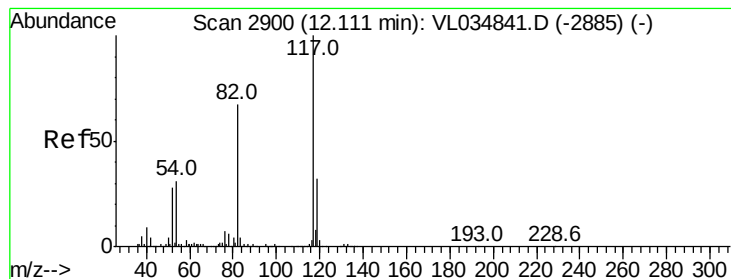
Tgt Ion: 107 Resp: 252825

Ion Ratio Lower Upper

107 100

109 99.4 74.9 112.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

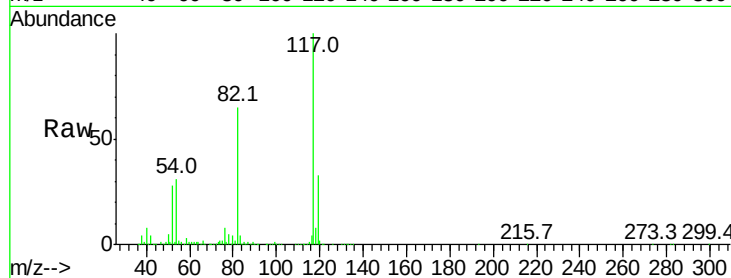
Tgt Ion:117 Resp: 2267058

Ion Ratio Lower Upper

117 100

82 62.1 51.1 76.7

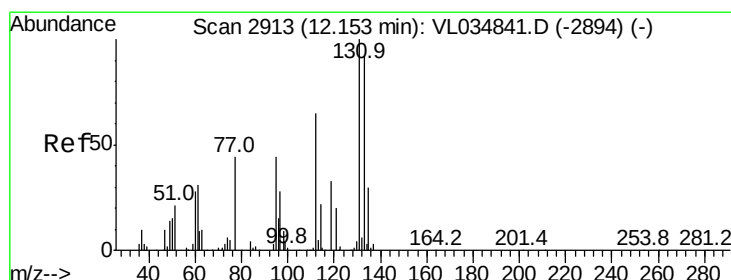
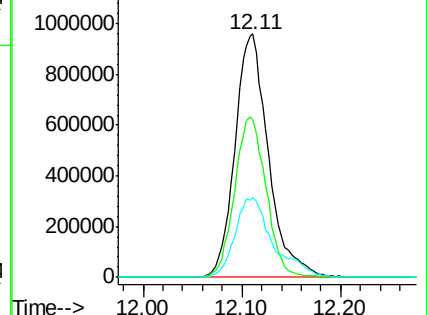
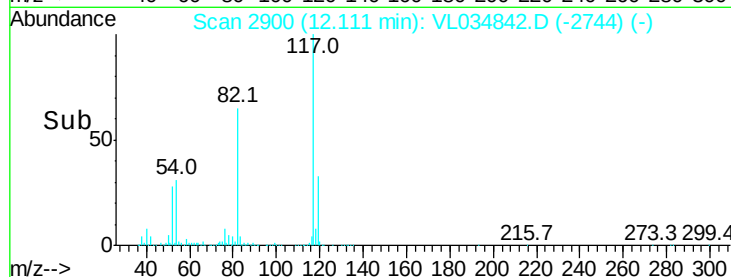
119 37.0 27.3 40.9



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.120 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

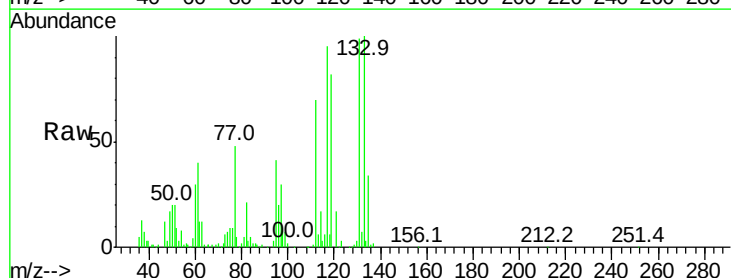
Tgt Ion:131 Resp: 212992

Ion Ratio Lower Upper

131 100

133 98.3 76.0 114.0

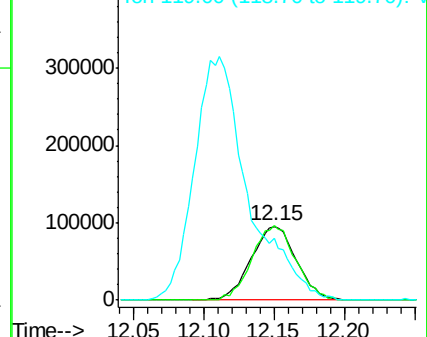
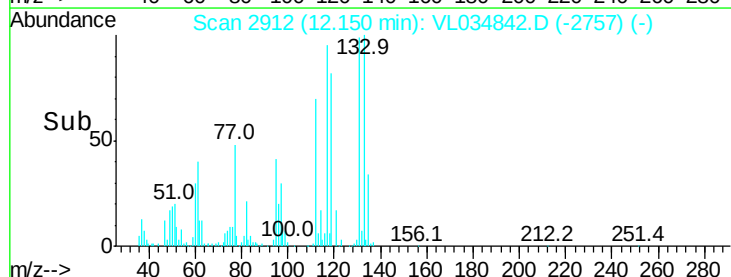
119 394.4 47.8 71.8#

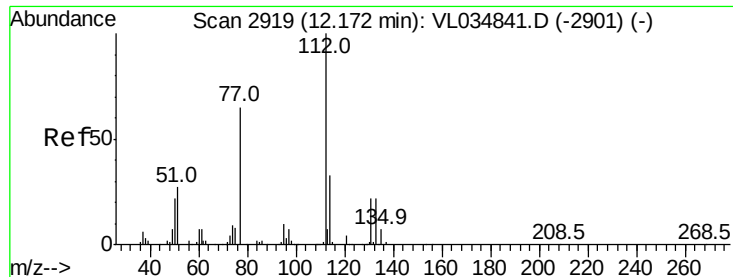


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

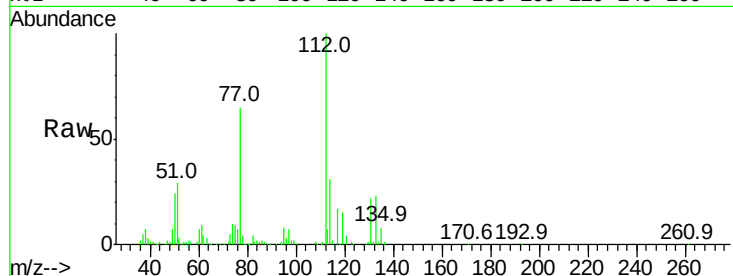




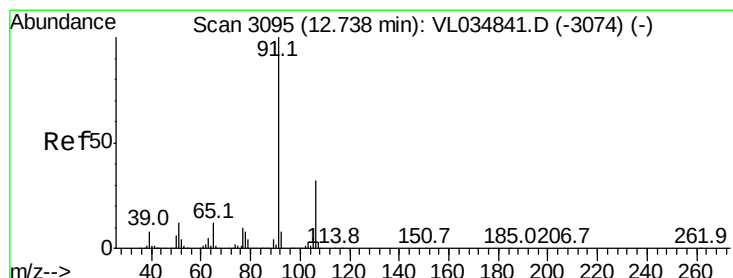
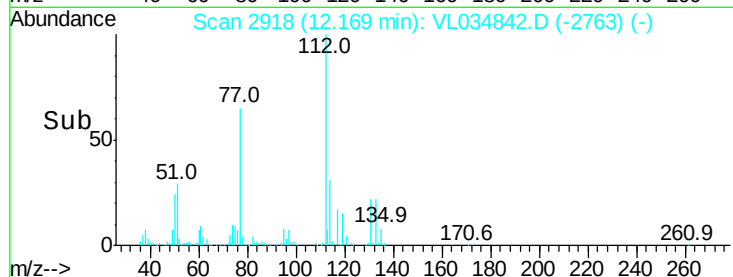
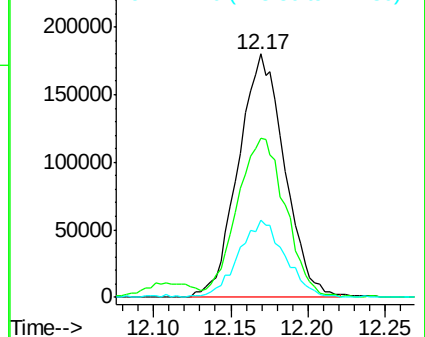
#57
Chlorobenzene
Concen: 2.165 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 112 Resp: 374874
Ion Ratio Lower Upper
112 100
77 64.7 53.0 79.6
114 31.5 29.5 36.1

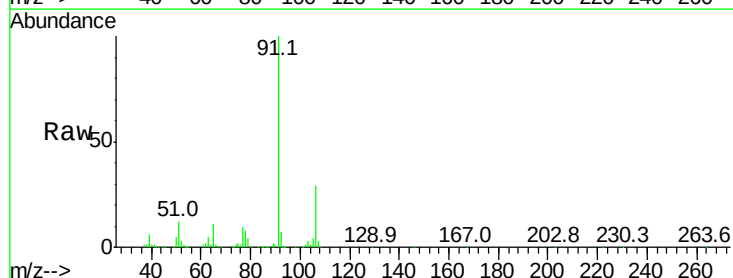


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

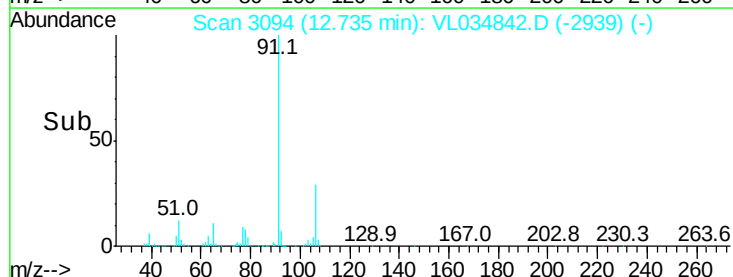
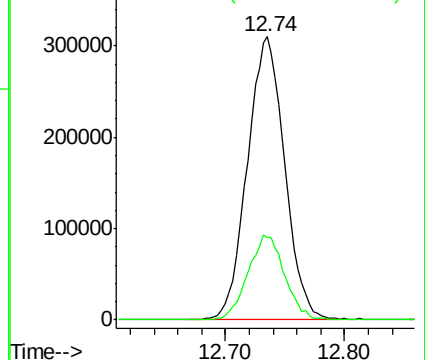


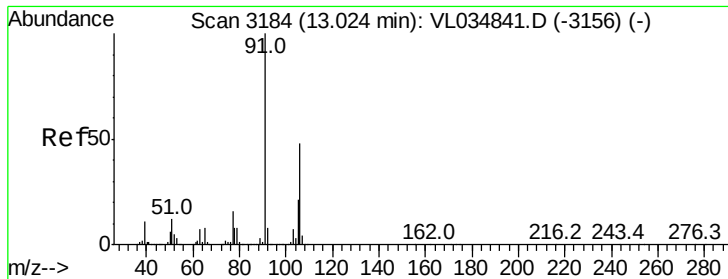
#58
Ethyl Benzene
Concen: 2.403 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 91 Resp: 671474
Ion Ratio Lower Upper
91 100
106 29.1 25.8 38.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

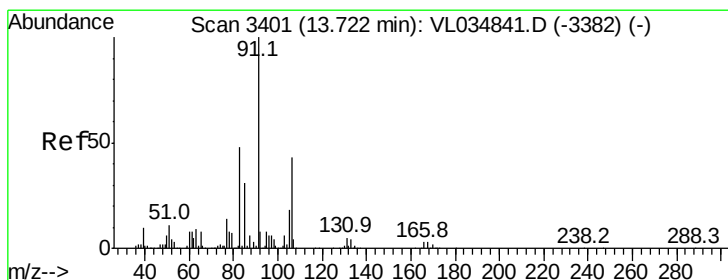
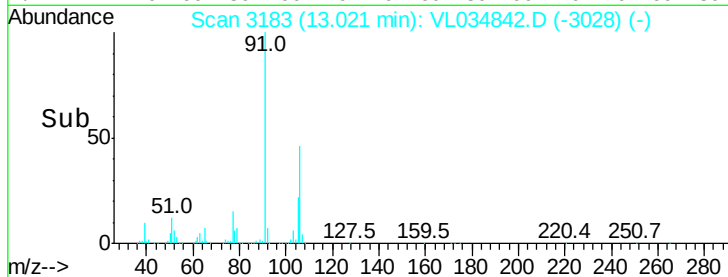
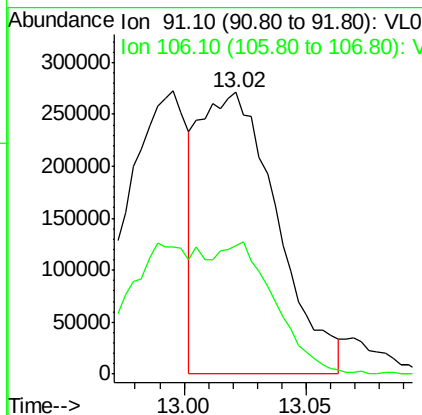
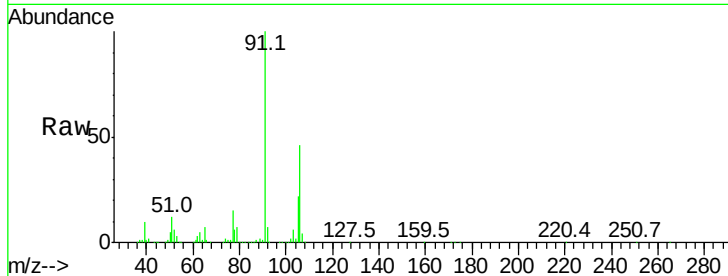




#59
m/p-Xylene
Concen: 2.472 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

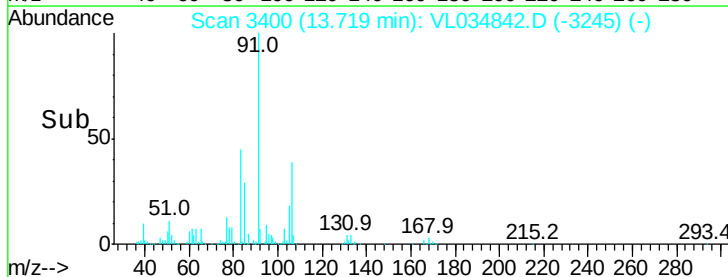
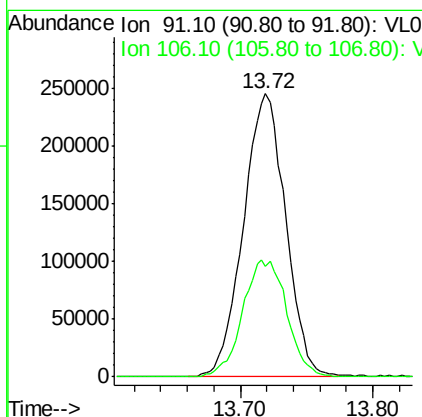
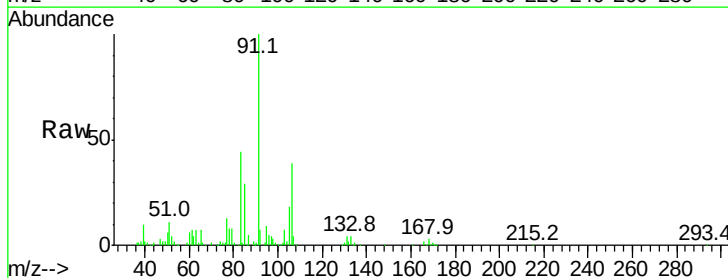
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

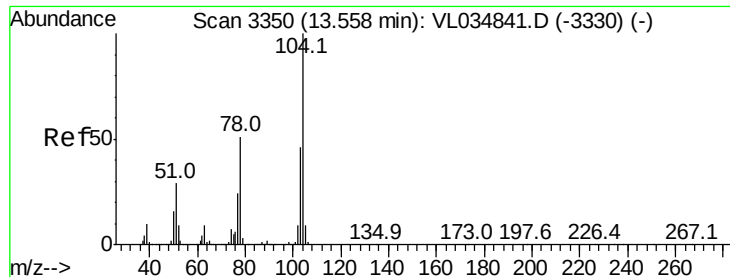
Tgt Ion: 91 Resp: 597887
Ion Ratio Lower Upper
91 100
106 82.6 37.1 55.7#



#60
o-Xylene
Concen: 2.225 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 91 Resp: 544465
Ion Ratio Lower Upper
91 100
106 43.1 22.5 67.5





#61

Styrene

Concen: 2.459 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

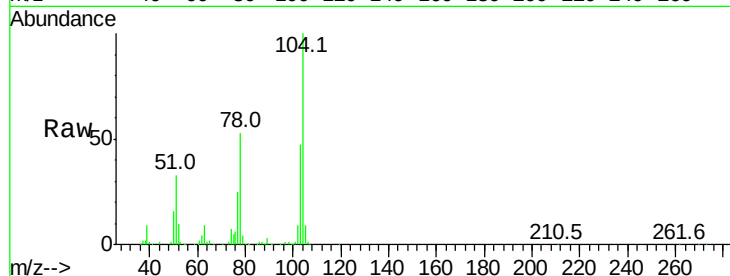
Tgt Ion:104 Resp: 373199

Ion Ratio Lower Upper

104 100

78 53.1 41.8 62.6

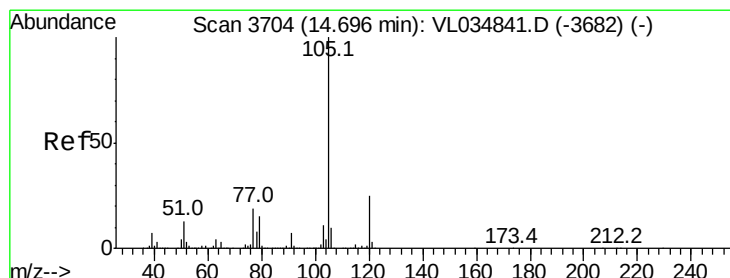
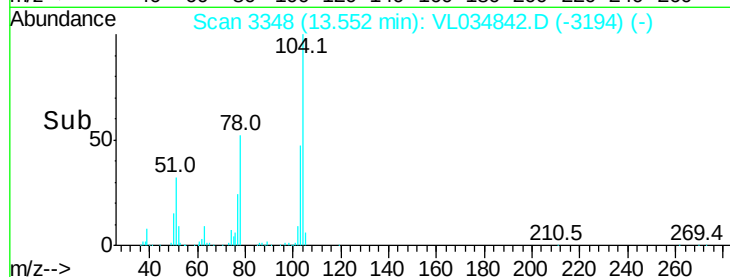
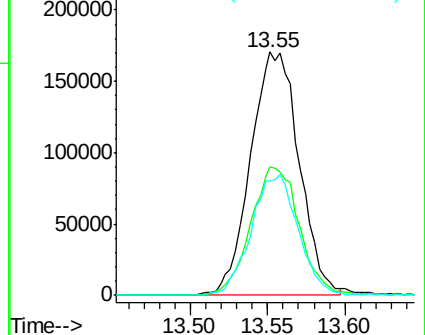
103 48.0 37.8 56.6



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: 2.261 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL034842.D

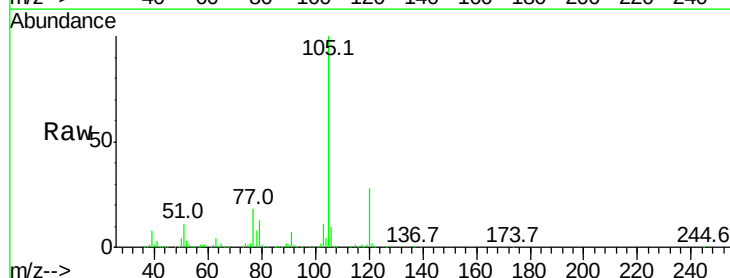
Acq: 9 Mar 2020 12:59

Tgt Ion:105 Resp: 814356

Ion Ratio Lower Upper

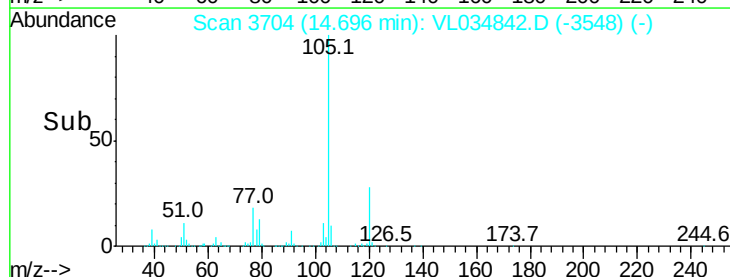
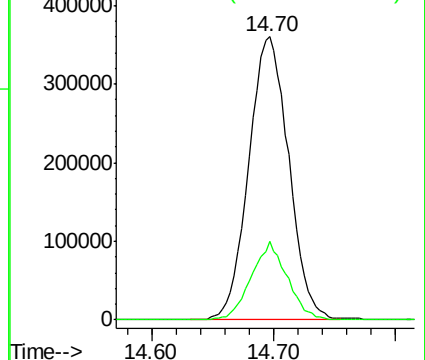
105 100

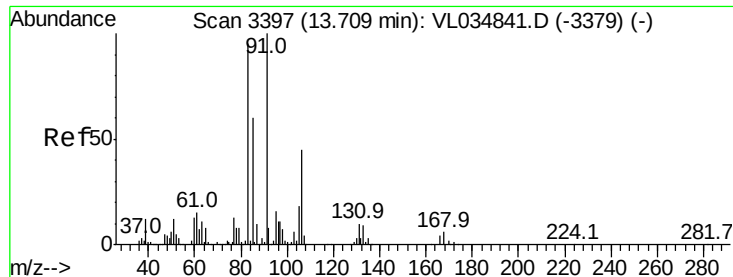
120 25.0 21.0 31.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

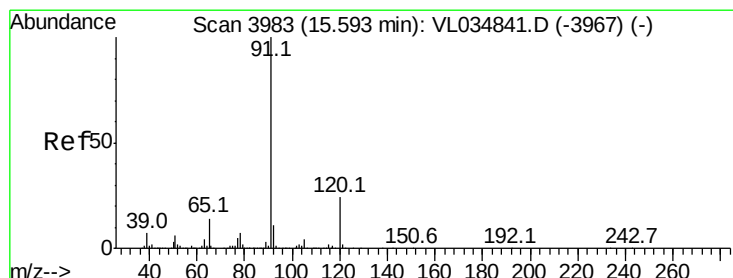
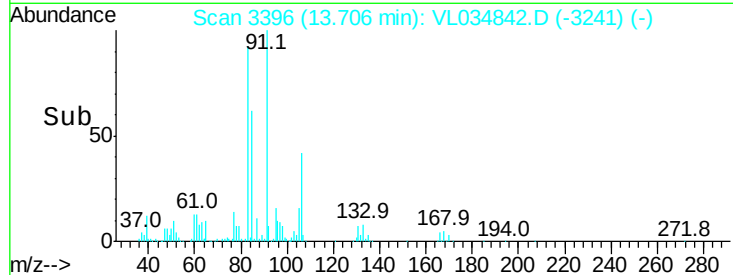
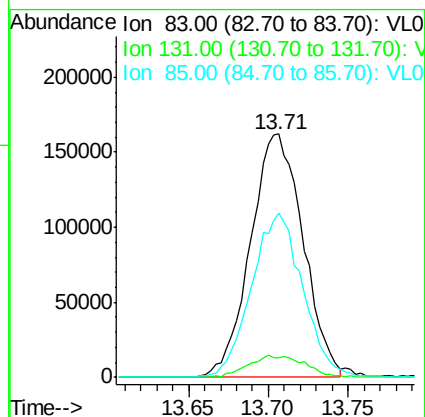
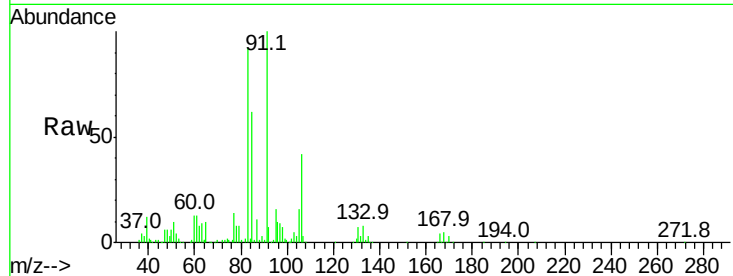




#63
1,1,2,2-Tetrachloroethane
Concen: 1.892 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

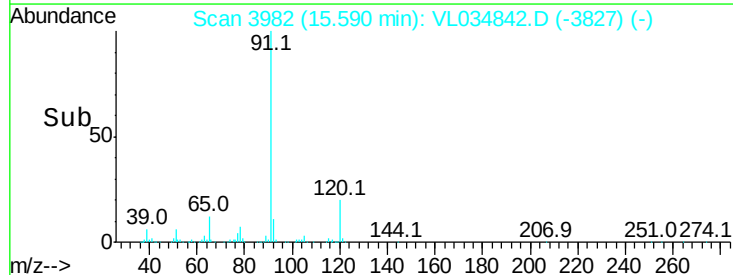
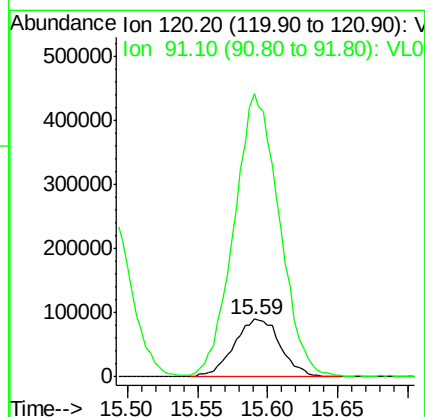
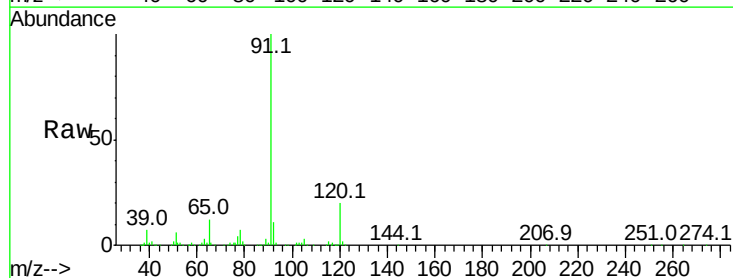
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

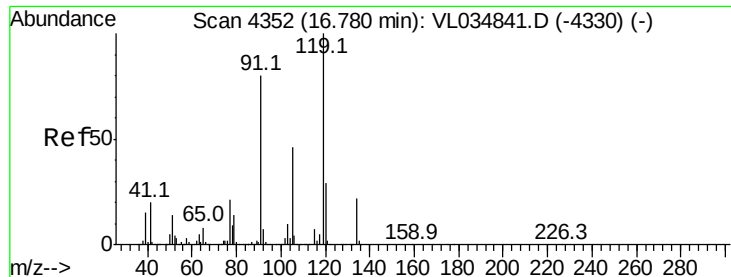
Tgt Ion: 83 Resp: 364991
Ion Ratio Lower Upper
83 100
131 9.7 5.0 14.9
85 66.6 32.4 97.2



#64
n-propylbenzene
Concen: 2.298 ppbv
RT: 15.59 min Scan# 3982
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion: 120 Resp: 207524
Ion Ratio Lower Upper
120 100
91 481.6 360.9 541.3





#65

tert-Butylbenzene

Concen: 2.407 ppbv

RT: 16.78 min Scan# 4352

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

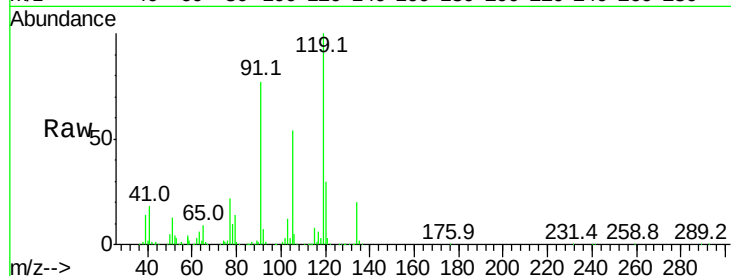
Tgt Ion: 119 Resp: 732503

Ion Ratio Lower Upper

119 100

91 81.6 64.9 97.3

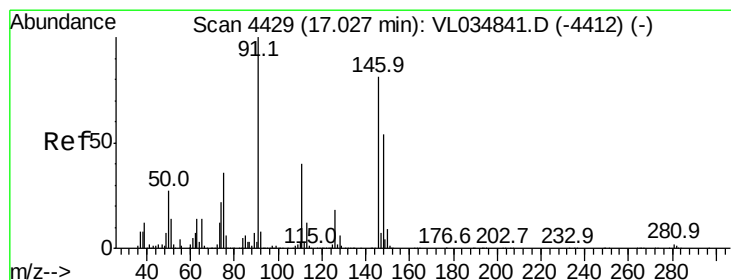
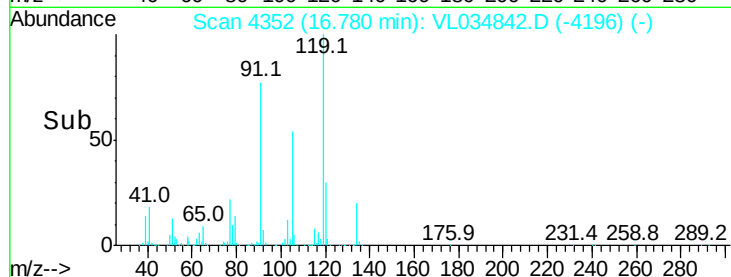
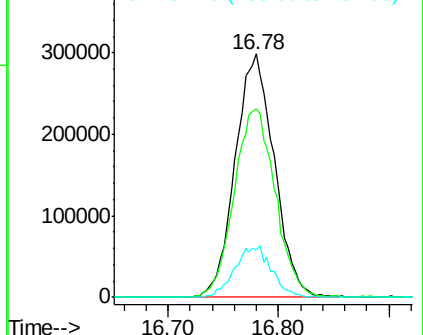
134 19.9 15.9 23.9



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: 3.011 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

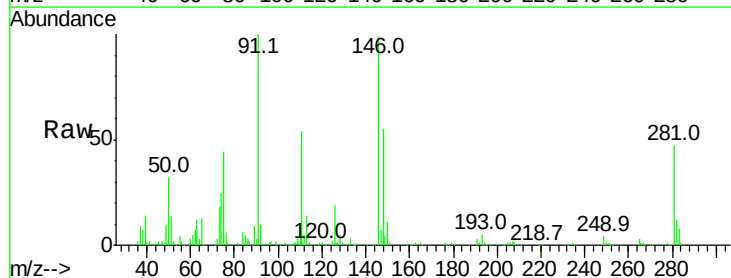
Tgt Ion: 91 Resp: 296252

Ion Ratio Lower Upper

91 100

126 18.4 14.7 22.1

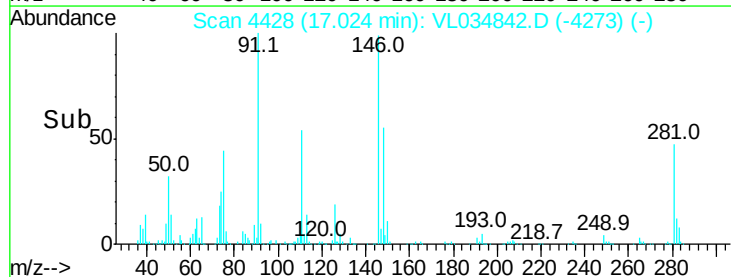
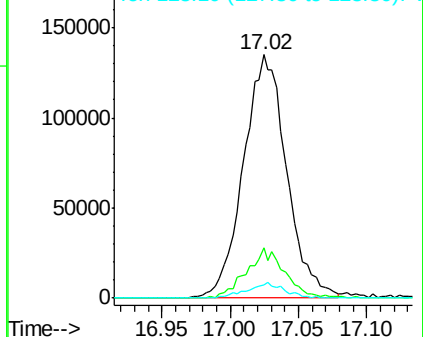
128 5.5 4.7 7.1

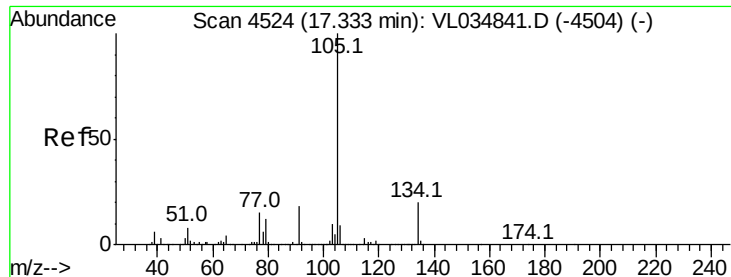


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

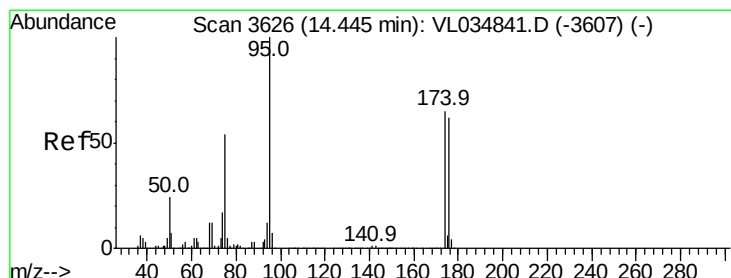
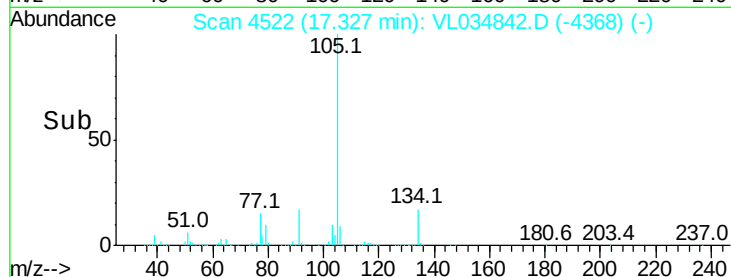
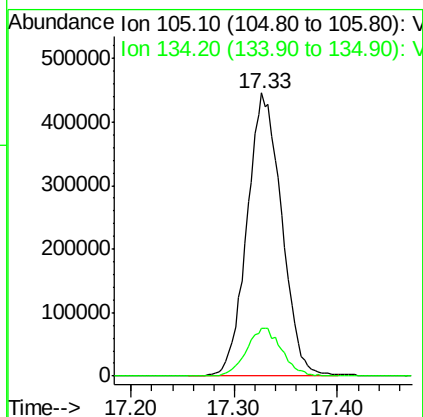
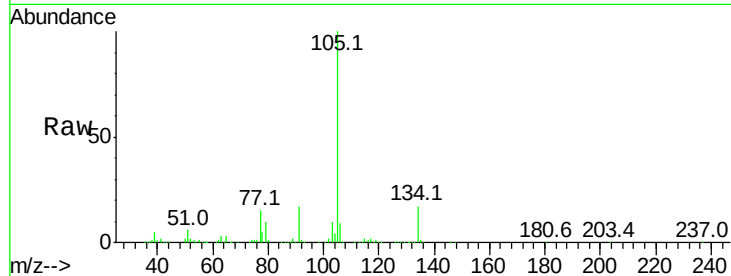




#67
 sec-Butylbenzene
 Concen: 2.340 ppbv
 RT: 17.33 min Scan# 4522
 Delta R.T. -0.01 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

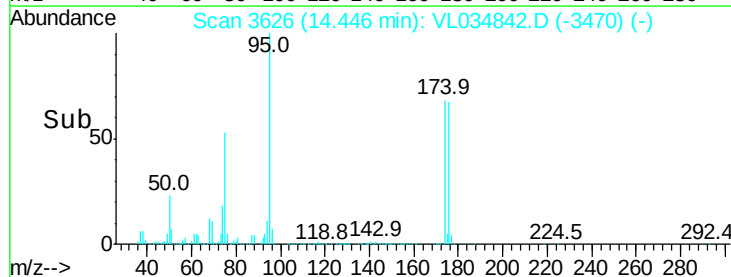
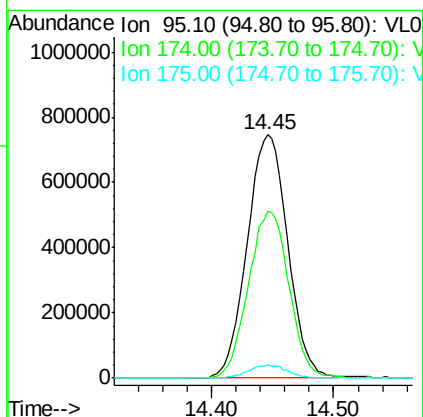
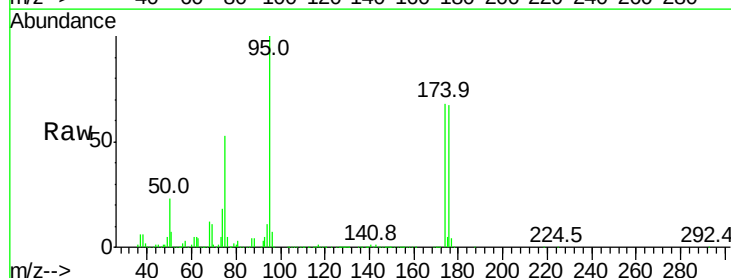
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

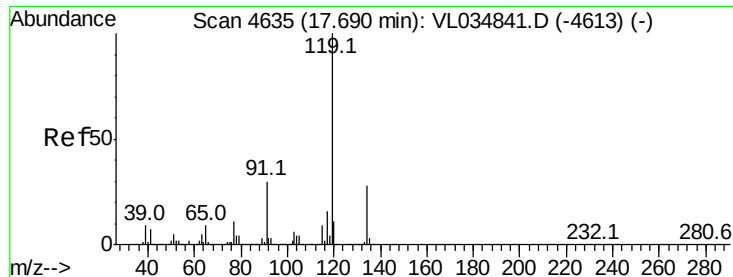
Tgt Ion: 105 Resp: 1037940
 Ion Ratio Lower Upper
 105 100
 134 17.4 15.0 22.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.080 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Tgt Ion: 95 Resp: 1716519
 Ion Ratio Lower Upper
 95 100
 174 68.8 55.2 82.8
 175 5.2 4.3 6.5

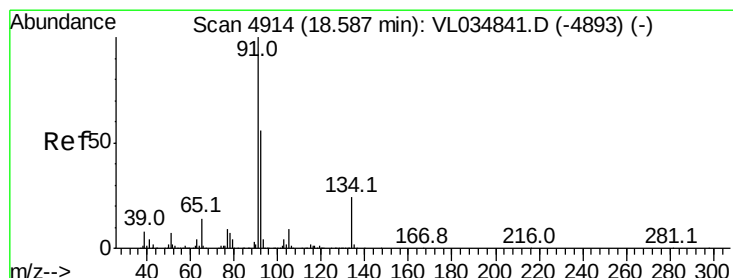
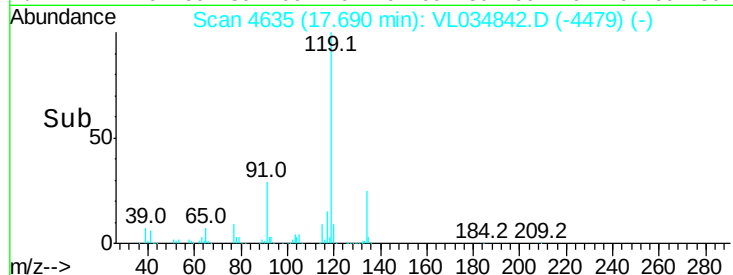
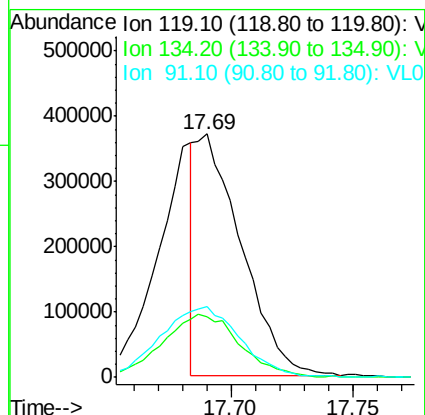
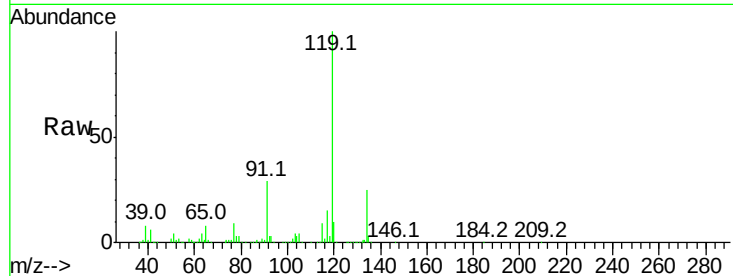




#69
p-Isopropyltoluene
Concen: 1.312 ppbv
RT: 17.69 min Scan# 4635
Delta R.T. 0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

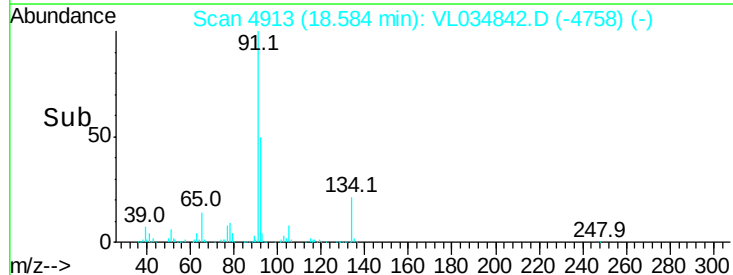
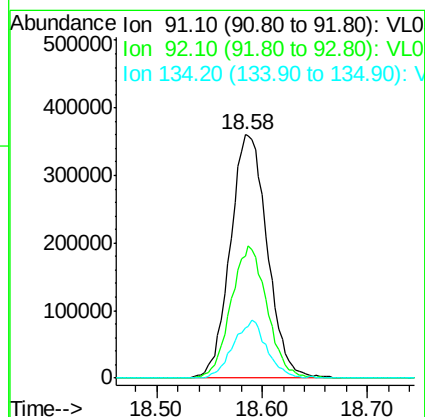
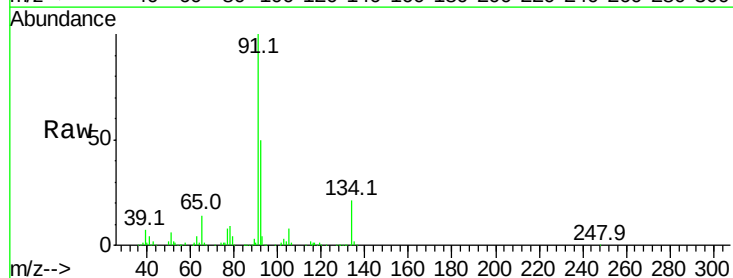
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

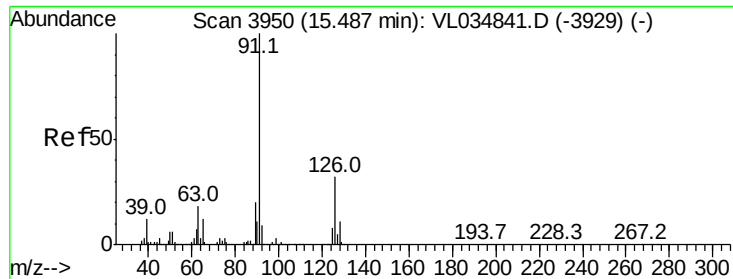
Tgt Ion	Ratio	Lower	Upper
119	100		
134	45.9	20.6	30.8#
91	53.4	23.4	35.2#



#70
n-Butylbenzene
Concen: 2.231 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. -0.00 min
Lab File: VL034842.D
Acq: 9 Mar 2020 12:59

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	43.8	65.6
134	21.9	19.0	28.4





#71

2-Chlorotoluene

Concen: 2.305 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

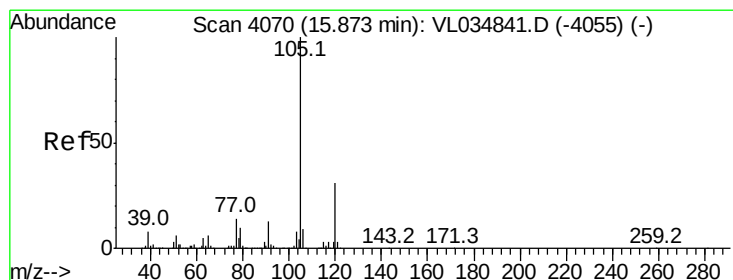
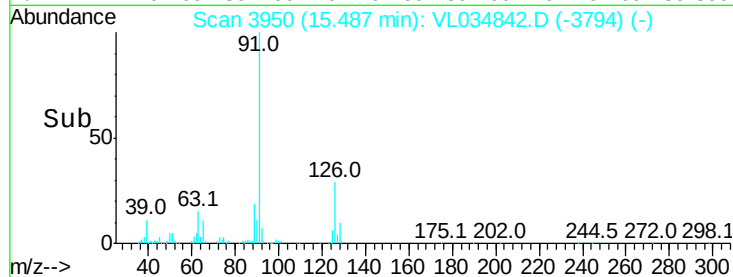
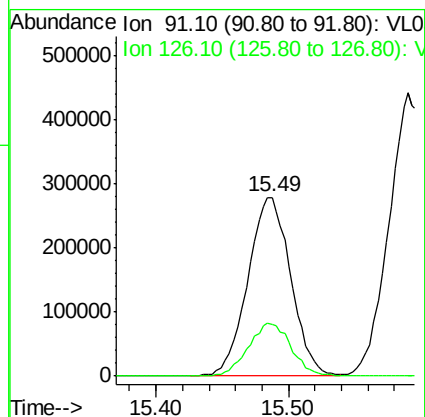
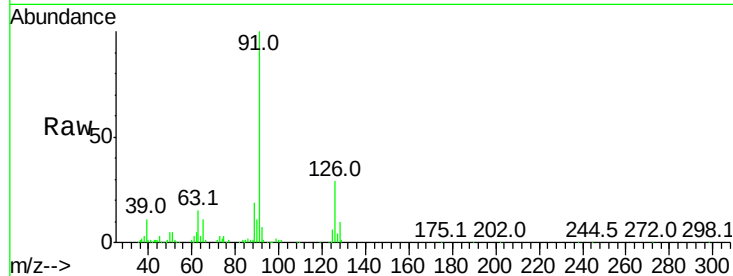
VSTDIC002

Tgt Ion: 91 Resp: 626948

Ion Ratio Lower Upper

91 100

126 29.5 12.3 49.1



#72

4-Ethyltoluene

Concen: 2.343 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Tgt Ion: 105 Resp: 638371

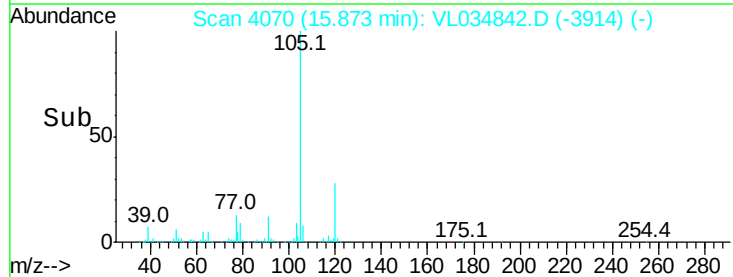
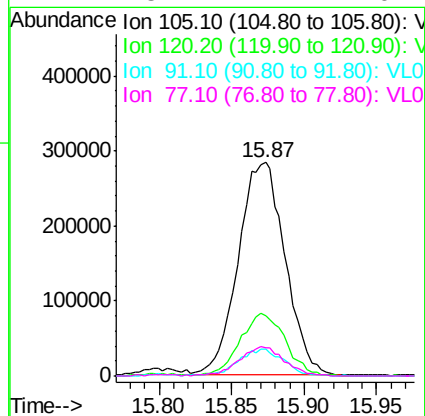
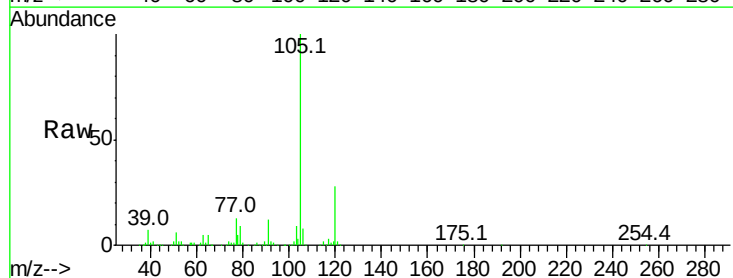
Ion Ratio Lower Upper

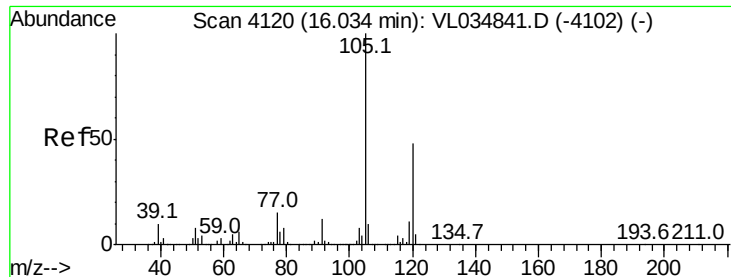
105 100

120 29.0 23.7 35.5

91 12.5 10.5 15.7

77 13.4 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 1.095 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

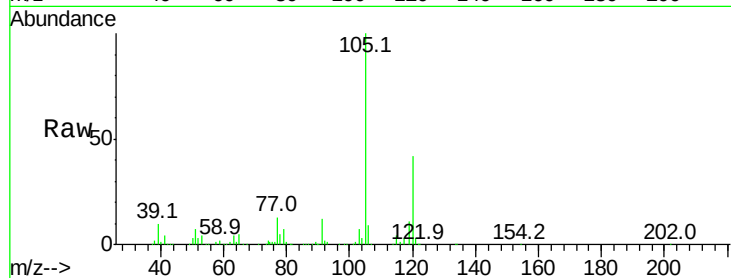
VSTDIC002

Tgt Ion:105 Resp: 286094

Ion Ratio Lower Upper

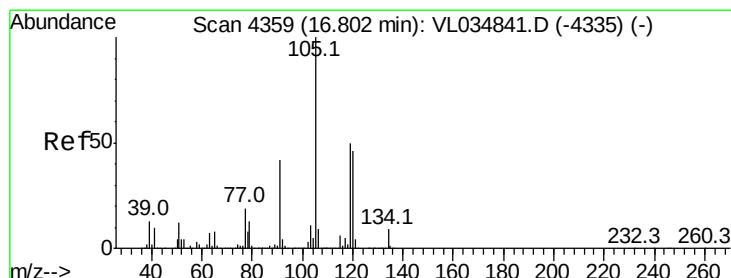
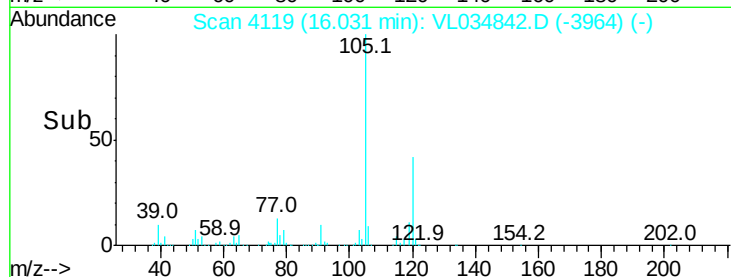
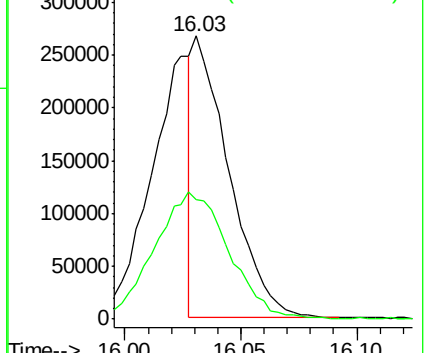
105 100

120 41.9 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: 2.187 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. -0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Tgt Ion:105 Resp: 621233

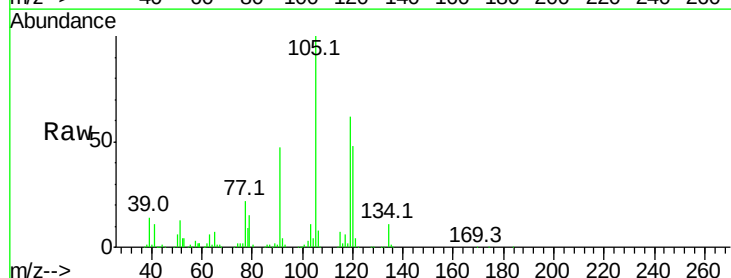
Ion Ratio Lower Upper

105 100

120 47.8 37.0 55.4

91 46.9 33.8 50.6

77 21.5 15.4 23.0

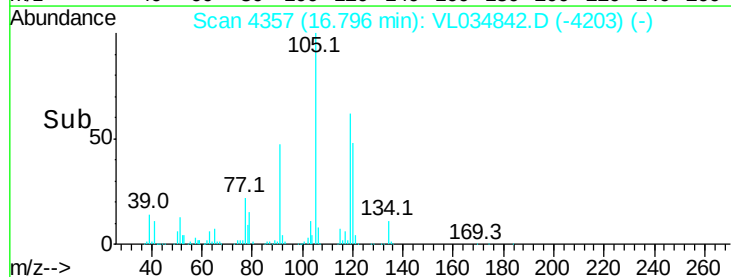
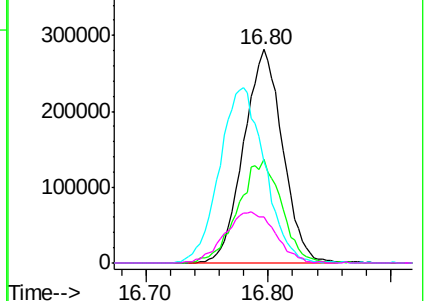


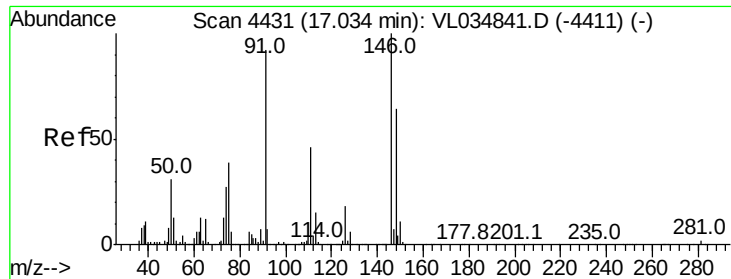
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

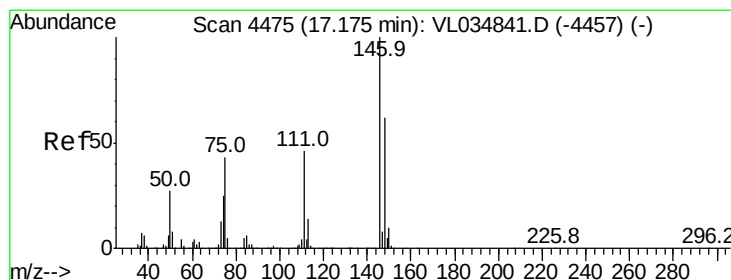
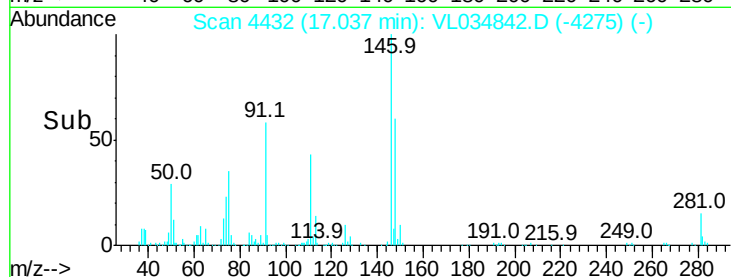
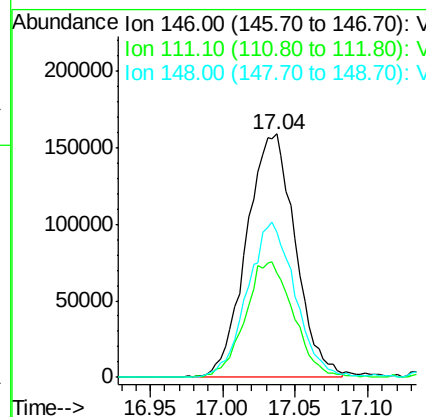
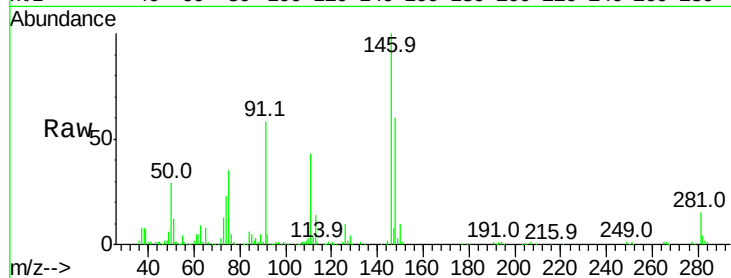




#75
 1,3-Dichlorobenzene
 Concen: 2.191 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

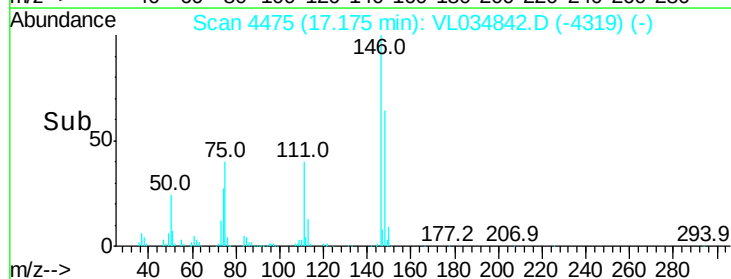
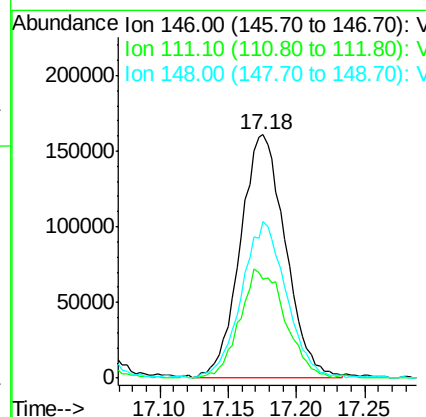
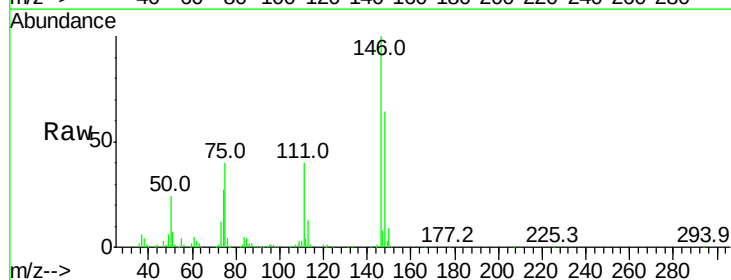
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

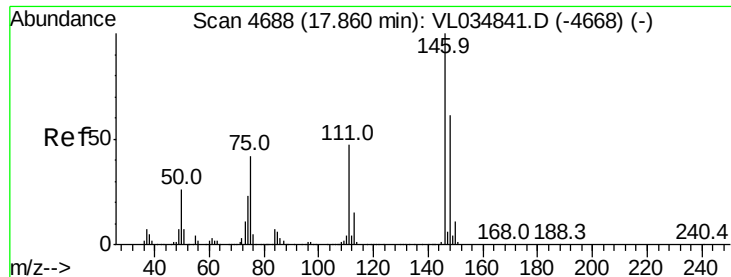
Tgt Ion:146 Resp: 368387
 Ion Ratio Lower Upper
 146 100
 111 47.5 23.9 71.7
 148 63.2 32.5 97.5



#76
 1,4-Dichlorobenzene
 Concen: 2.282 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL034842.D
 Acq: 9 Mar 2020 12:59

Tgt Ion:146 Resp: 367169
 Ion Ratio Lower Upper
 146 100
 111 45.7 23.4 70.2
 148 64.5 32.3 96.9





#77

1,2-Dichlorobenzene

Concen: 2.181 ppbv

RT: 17.86 min Scan# 4687

Delta R.T. -0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

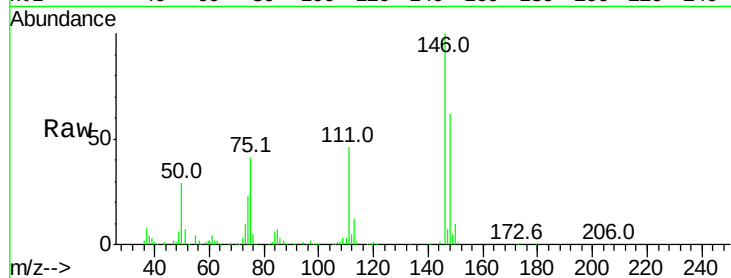
Tgt Ion:146 Resp: 350807

Ion Ratio Lower Upper

146 100

111 50.0 23.8 71.4

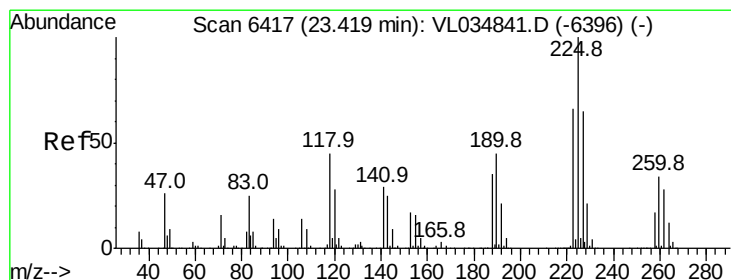
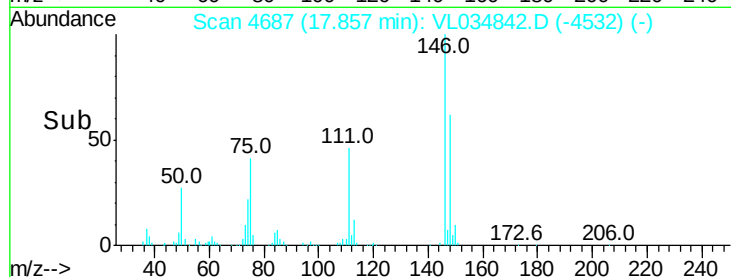
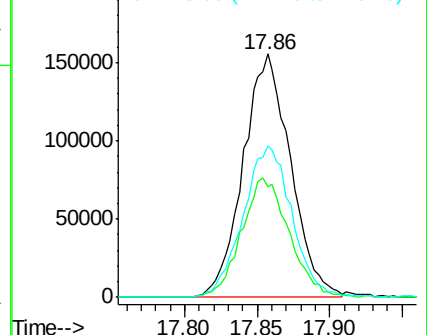
148 64.9 31.6 94.8



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: 2.166 ppbv

RT: 23.42 min Scan# 6418

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

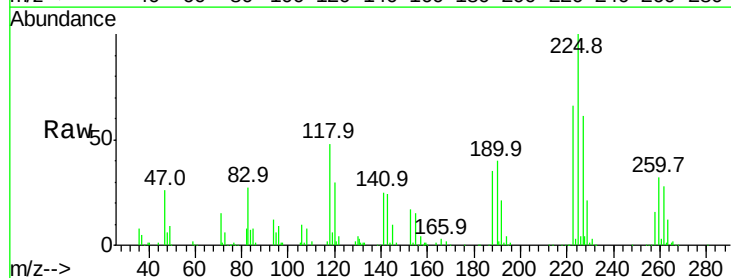
Tgt Ion:225 Resp: 290779

Ion Ratio Lower Upper

225 100

223 63.5 51.1 76.7

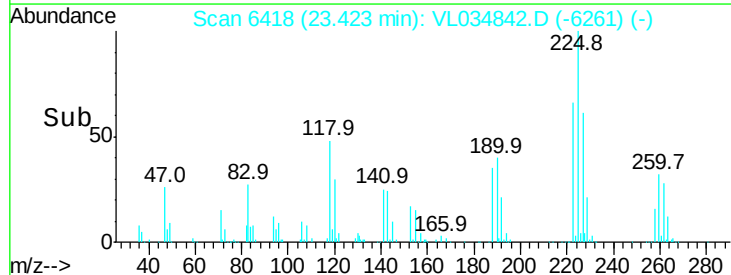
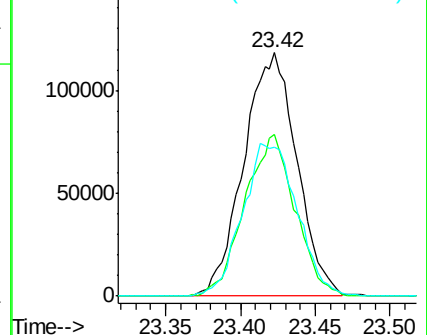
227 64.7 51.8 77.6

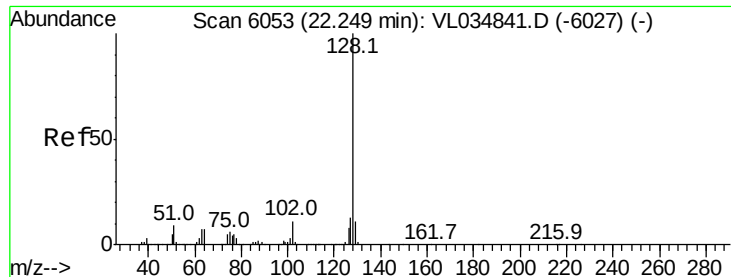


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 1.988 ppbv

RT: 22.26 min Scan# 6056

Delta R.T. 0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

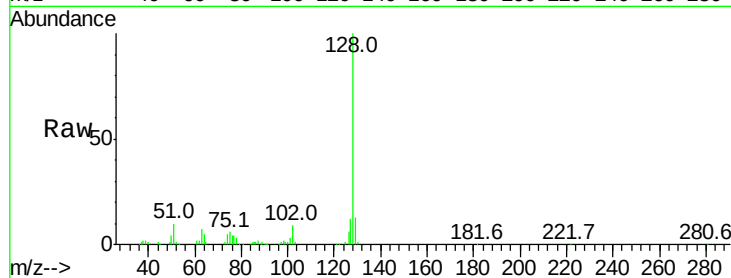
Tgt Ion:128 Resp: 424324

Ion Ratio Lower Upper

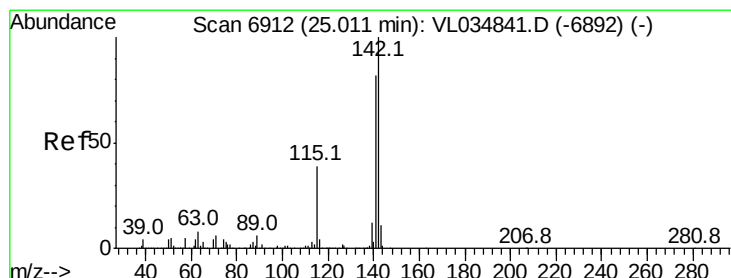
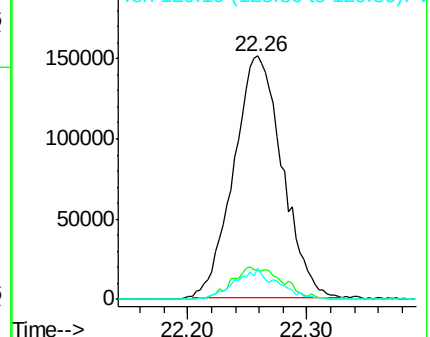
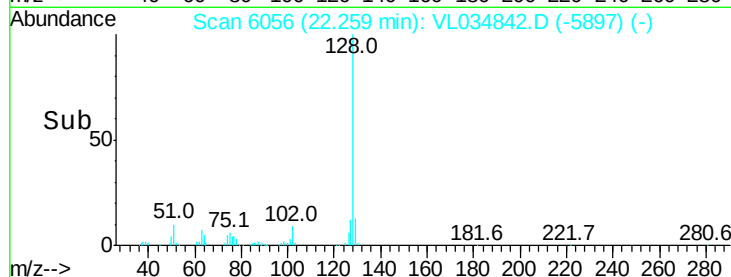
128 100

127 11.7 10.2 15.2

129 12.8 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: 0.870 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.01 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

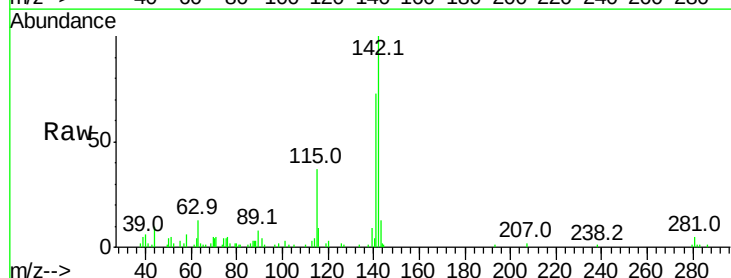
Tgt Ion:142 Resp: 44359

Ion Ratio Lower Upper

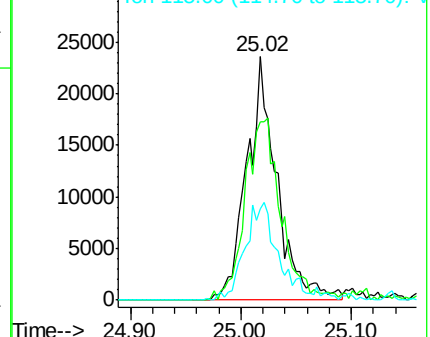
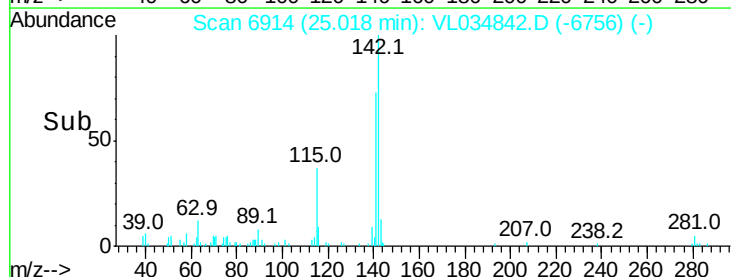
142 100

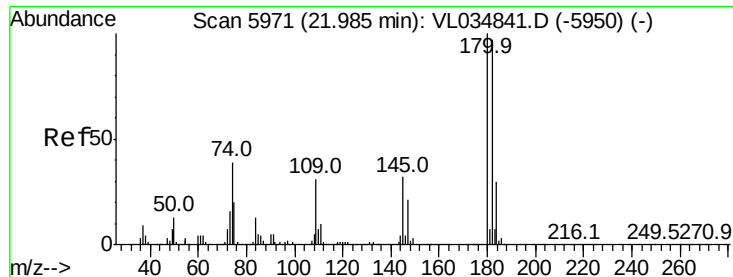
141 88.7 68.9 103.3

115 46.6 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: 2.039 ppbv

RT: 21.99 min Scan# 5971

Delta R.T. 0.00 min

Lab File: VL034842.D

Acq: 9 Mar 2020 12:59

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

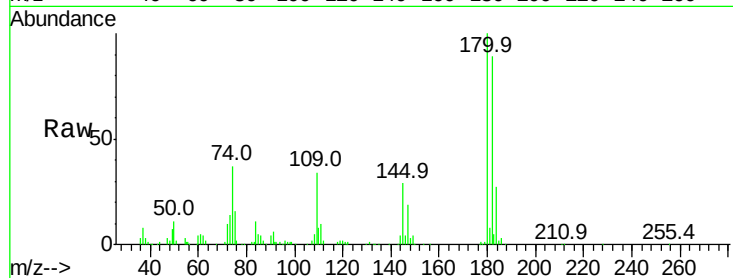
Tgt Ion:180 Resp: 275213

Ion Ratio Lower Upper

180 100

182 100.9 76.6 115.0

184 29.7 25.0 37.4



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

