

Data File : VL034574.D
Acq On : 30 Jan 2020 15:57
Operator : SY/AP
Sample : VSTDIC015
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Quant Time: Jan 30 17:13:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 14:46:59 2020
QLast Update : Thu Jan 30 14:46:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1182027	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2358987	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2642384	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2155139	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.01	85	3015161	16.175	ppbv	96
3) Chlorodifluoromethane	2.95	51	1812679	12.871	ppbv	97
4) Chloromethane	3.10	50	1127026	13.472	ppbv	100
5) Vinyl Chloride	3.22	62	1065400	13.005	ppbv	98
6) Bromomethane	3.44	94	566955	13.904	ppbv	100
7) Chloroethane	3.52	64	416844	14.602	ppbv	100
8) Dichlorotetrafluoroethane	3.15	85	2451697	13.113	ppbv	99
9) Propene	2.97	41	746678	13.752	ppbv	99
10) Heptane	8.14	43	2078675	14.824	ppbv	100
11) Trichlorofluoromethane	3.92	101	2874158	13.324	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1953867	14.240	ppbv	99
13) Ethanol	3.57	45	129498	8.596	ppbv	97
14) Bromoethene	3.71	108	812829	14.647	ppbv	99
15) Acetone	3.82	43	2042804	11.842	ppbv	98
16) 1,3-Butadiene	3.29	39	985899	14.860	ppbv	99
17) tert-Butyl alcohol	4.27	59	1327507	9.611	ppbv	99
18) 1,1-Dichloroethene	4.27	96	872626	14.600	ppbv	95
19) Isopropyl Alcohol	3.94	45	1033028	9.251	ppbv	99
20) Methylene Chloride	4.32	84	781682	11.516	ppbv	98
21) Allyl Chloride	4.39	41	1468008	14.806	ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	899358	14.794	ppbv	98
23) Vinyl Acetate	5.06	43	2793548	14.027	ppbv	99
24) 1,1-Dichloroethane	5.00	63	2150176	13.439	ppbv	99
25) Ethyl Acetate	5.67	43	3690795	13.700	ppbv	99
26) Hexane	5.68	57	1616771	14.243	ppbv	97
27) Carbon Disulfide	4.53	76	2320921	16.175	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	2747888	14.494	ppbv	99
29) Chloroform	5.75	83	2674437	13.616	ppbv	98
30) Cyclohexane	7.13	84	1272053	15.076	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1741875	15.058	ppbv	100
32) 1,1,1-Trichloroethane	6.52	97	2803400	13.750	ppbv	99
34) 2-Butanone	5.23	43	2368773	14.052	ppbv	98
35) Carbon Tetrachloride	7.03	117	2986212	13.959	ppbv	97
36) Benzene	6.90	78	2998863	14.584	ppbv	98
37) 1,2-Dichloroethane	6.31	62	2377257	14.236	ppbv	100
38) Trichloroethene	7.85	130	1297582	15.621	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1220993	14.440	ppbv	98
40) 1,4-Dioxane	7.84	88	397717	11.622	ppbv #	90
41) Tetrahydrofuran	6.04	42	1334914	15.437	ppbv	98
42) Bromodichloromethane	7.81	83	2981721	14.511	ppbv	95
43) Methyl Methacrylate	8.03	69	1323306	15.776	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 14:46:59 2020
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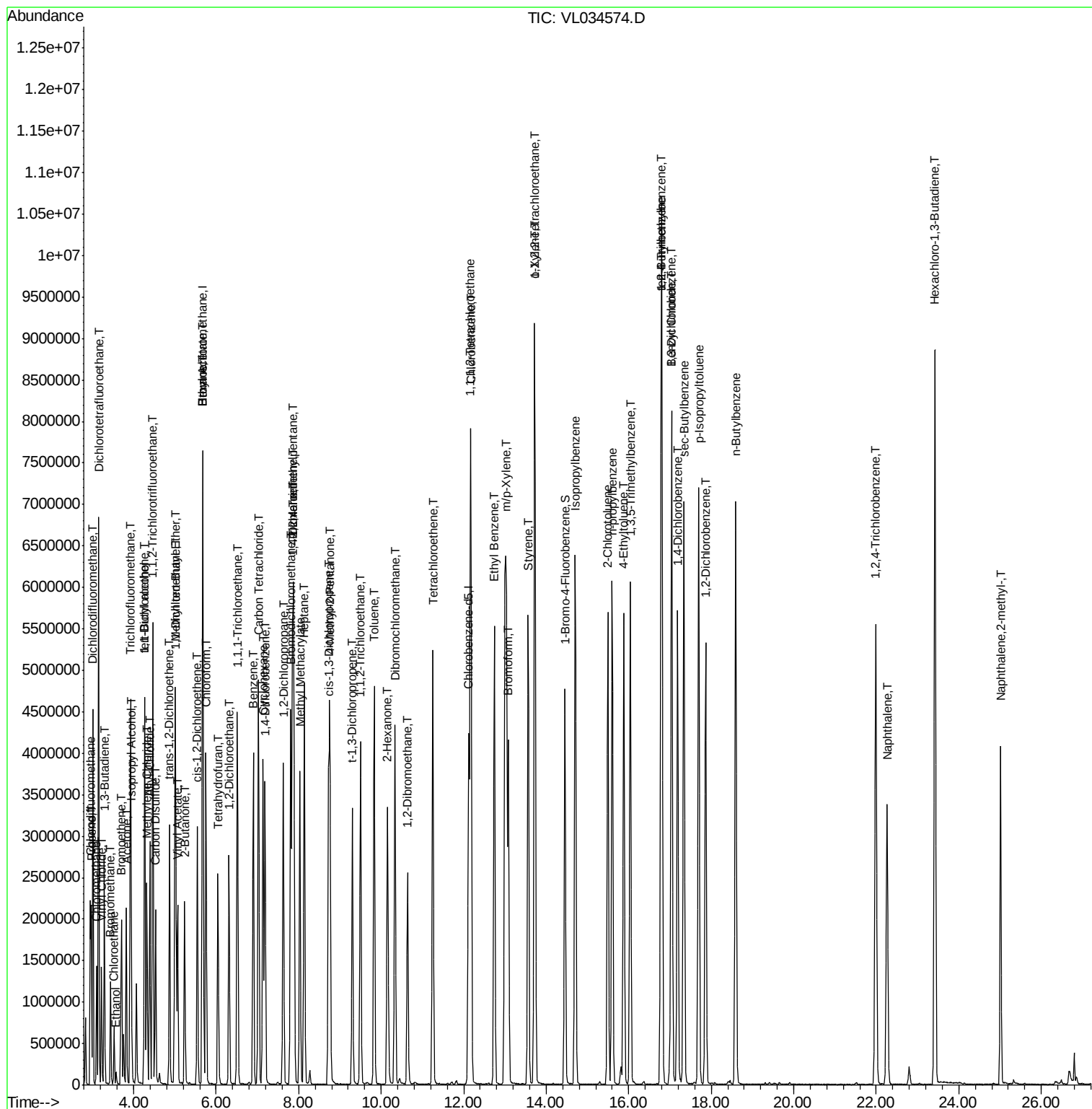
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5243583	13.785	ppbv	97
45) t-1,3-Dichloropropene	9.30	75	1893291	17.522	ppbv	94
46) cis-1,3-Dichloropropene	8.72	75	2068475	16.747	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	1350879	14.493	ppbv	98
48) Dibromochloromethane	10.33	129	2580963	15.973	ppbv	100
49) Bromoform	13.08	173	2357213	16.114	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3553286	14.520	ppbv	97
51) 2-Hexanone	10.15	43	3022065	15.299	ppbv	99
52) Tetrachloroethene	11.25	164	1206812	15.038	ppbv	95
53) Toluene	9.83	91	3516540	15.565	ppbv	98
54) 1,2-Dibromoethane	10.64	107	2047443	15.095	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.16	131	1709652	13.403	ppbv	96
57) Chlorobenzene	12.18	112	2825091	12.959	ppbv #	96
58) Ethyl Benzene	12.74	91	4841034	13.585	ppbv	97
59) m/p-Xylene	13.03	91	4602516	14.770	ppbv #	43
60) o-Xylene	13.73	91	4168438	13.331	ppbv	98
61) Styrene	13.56	104	3113286	14.562	ppbv	100
62) Isopropylbenzene	14.70	105	5310581	12.983	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	2929933	11.680	ppbv	99
64) n-propylbenzene	15.60	120	1464993	14.026	ppbv	87
65) tert-Butylbenzene	16.79	119	4811330	13.020	ppbv	99
66) Benzyl Chloride	17.03	91	2498973	15.430	ppbv	99
67) sec-Butylbenzene	17.34	105	6389028	12.311	ppbv	98
69) p-Isopropyltoluene	17.70	119	5348385	12.707	ppbv	97
70) n-Butylbenzene	18.60	91	5618250	12.371	ppbv	98
71) 2-Chlorotoluene	15.49	91	4173804	13.140	ppbv	97
72) 4-Ethyltoluene	15.88	105	4705254	13.447	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	4495109	13.094	ppbv	91
74) 1,2,4-Trimethylbenzene	16.81	105	4667506	12.710	ppbv	97
75) 1,3-Dichlorobenzene	17.04	146	2698035	12.266	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2669599	12.606	ppbv	98
77) 1,2-Dichlorobenzene	17.87	146	2572704	12.446	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	2385012	12.155	ppbv	100
79) Naphthalene	22.27	128	4128962	14.927	ppbv	97
80) Naphthalene,2-methyl-	25.02	142	2103684	27.455	ppbv #	93
81) 1,2,4-Trichlorobenzene	21.99	180	2496508	13.862	ppbv	100

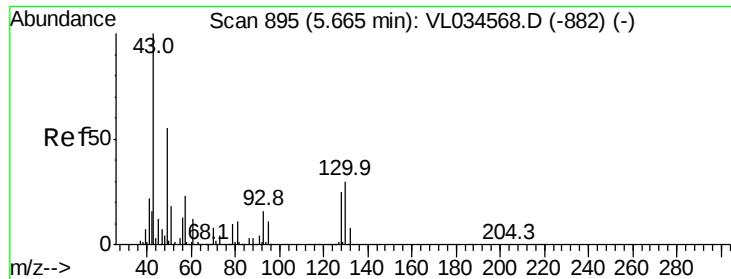
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

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VSTDIC015

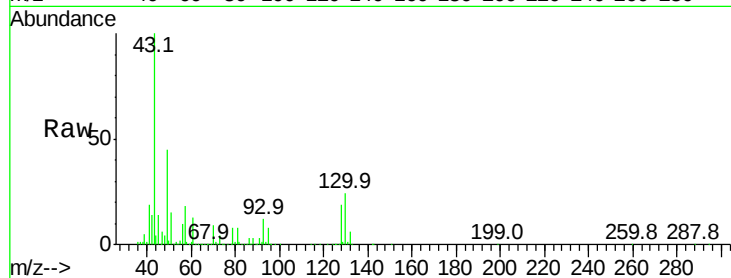
Tgt Ion: 49 Resp: 1182027

Ion	Ratio	Lower	Upper
49	100		
128	44.1	22.4	67.2
130	56.5	28.3	85.0

49 100

128 44.1 22.4 67.2

130 56.5 28.3 85.0



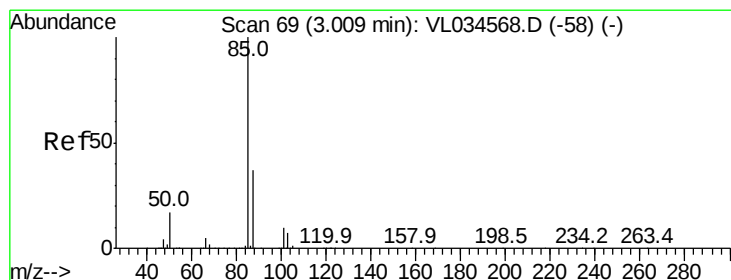
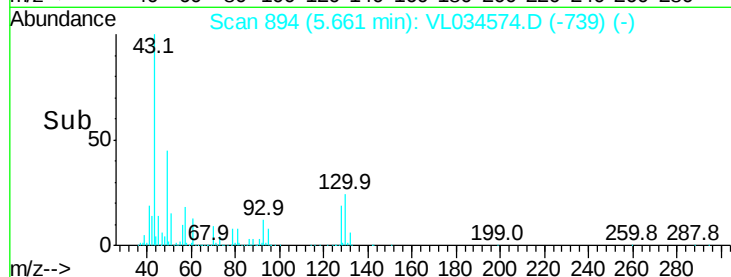
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 16.175 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL034574.D

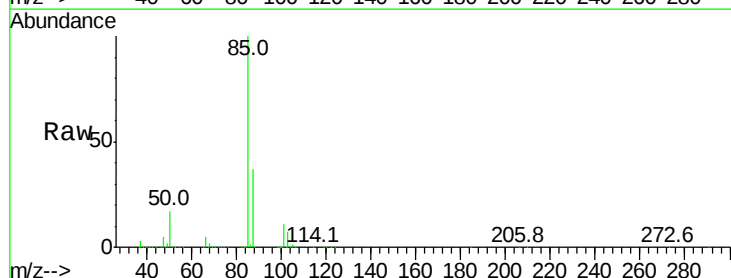
Acq: 30 Jan 2020 15:57

Tgt Ion: 85 Resp: 3015161

Ion	Ratio	Lower	Upper
85	100		
87	37.4	27.9	41.9

85 100

87 37.4 27.9 41.9

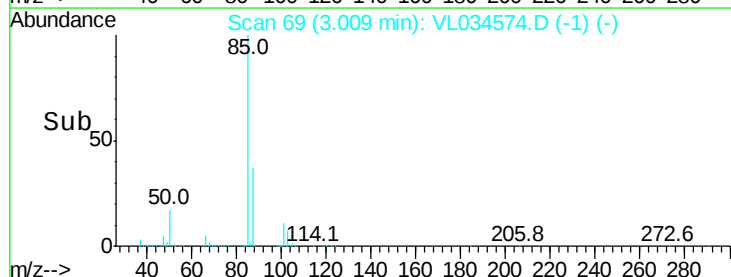


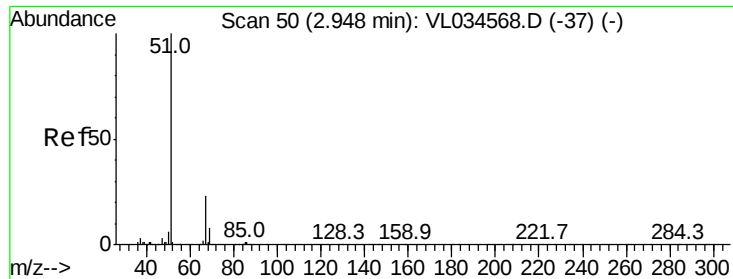
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.01

Time-->

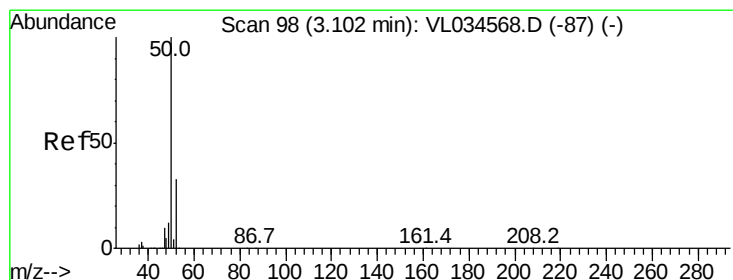
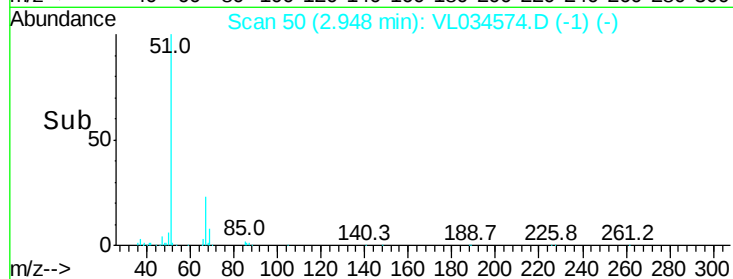
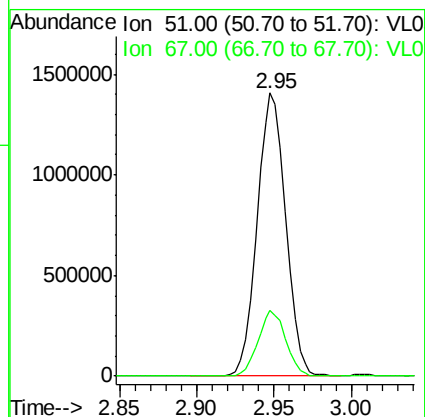
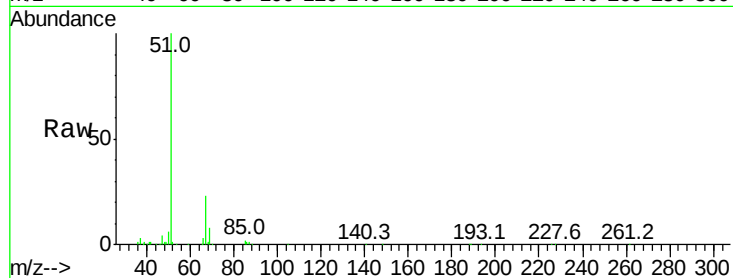




#3
 Chlorodifluoromethane
 Concen: 12.871 ppbv
 RT: 2.95 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

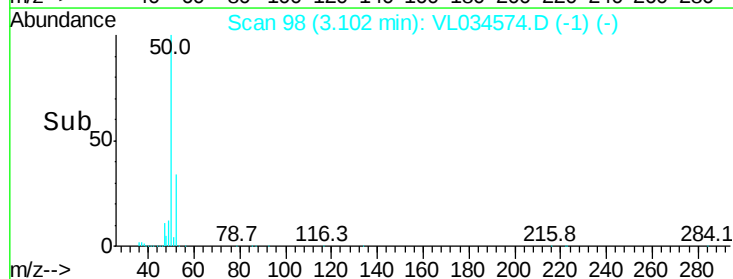
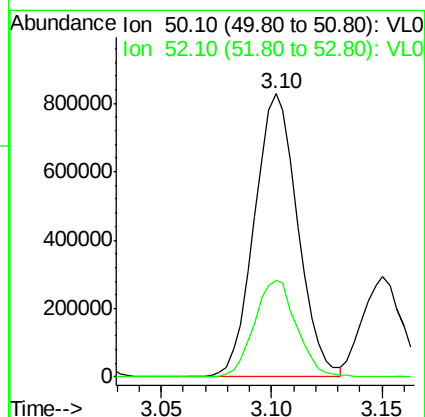
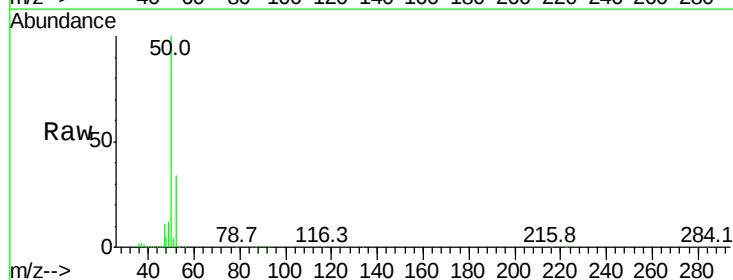
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

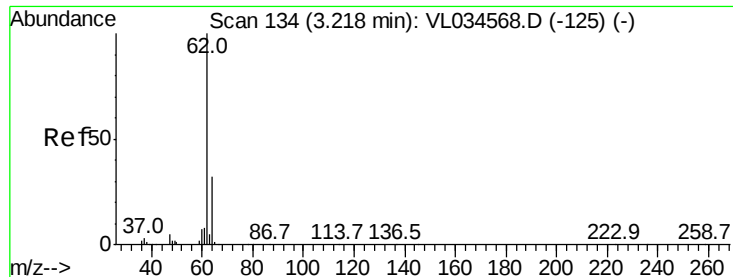
Tgt Ion: 51 Resp: 1812679
 Ion Ratio Lower Upper
 51 100
 67 22.6 16.8 25.2



#4
 Chloromethane
 Concen: 13.472 ppbv
 RT: 3.10 min Scan# 98
 Delta R.T. -0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Tgt Ion: 50 Resp: 1127026
 Ion Ratio Lower Upper
 50 100
 52 34.3 27.6 41.4





#5

Vinyl Chloride

Concen: 13.005 ppbv

RT: 3.22 min Scan# 134

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

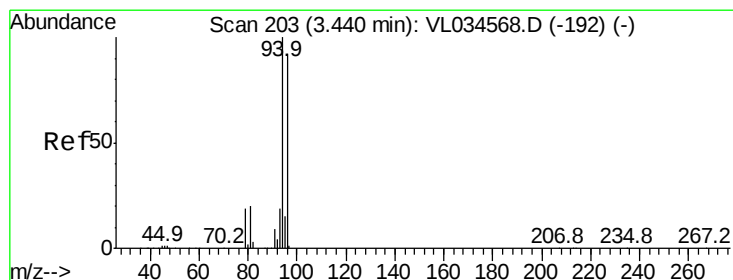
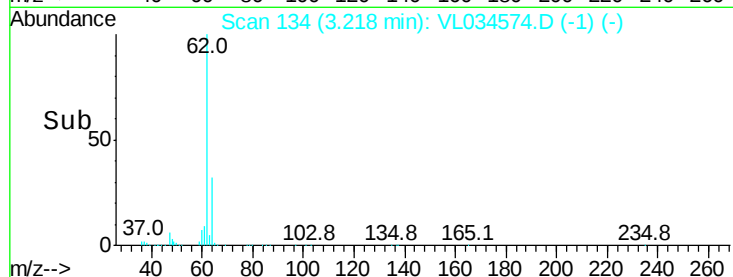
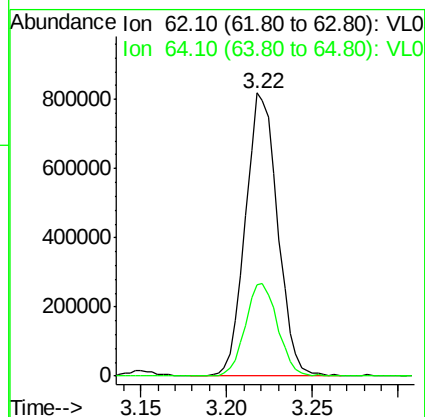
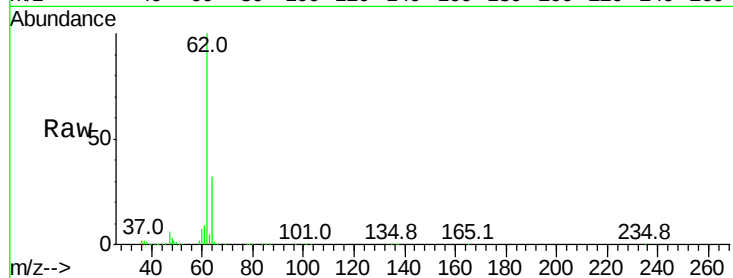
VSTDIC015

Tgt Ion: 62 Resp: 1065400

Ion Ratio Lower Upper

62 100

64 32.1 24.9 37.3



#6

Bromomethane

Concen: 13.904 ppbv

RT: 3.44 min Scan# 203

Delta R.T. -0.00 min

Lab File: VL034574.D

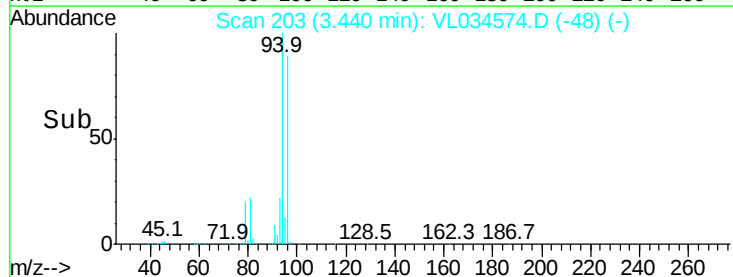
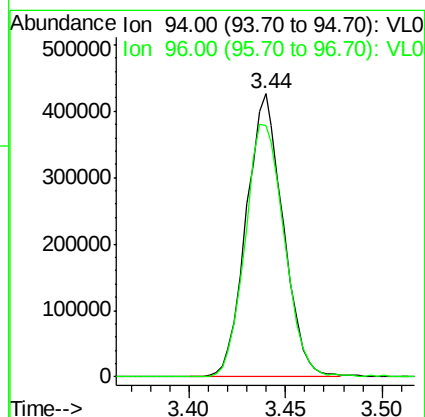
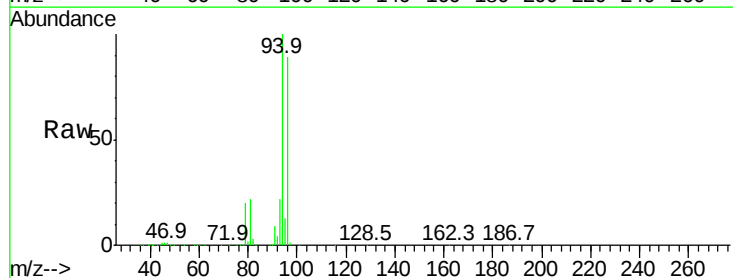
Acq: 30 Jan 2020 15:57

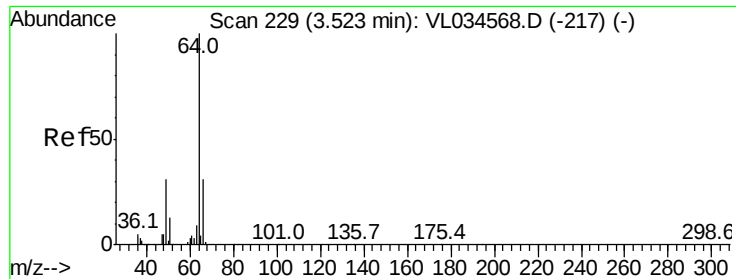
Tgt Ion: 94 Resp: 566955

Ion Ratio Lower Upper

94 100

96 89.0 71.2 106.8





#7

Chloroethane

Concen: 14.602 ppbv

RT: 3.52 min Scan# 229

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

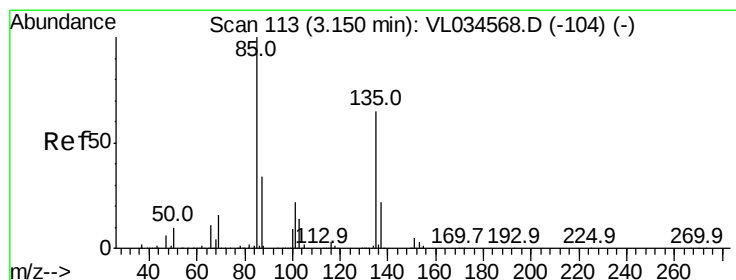
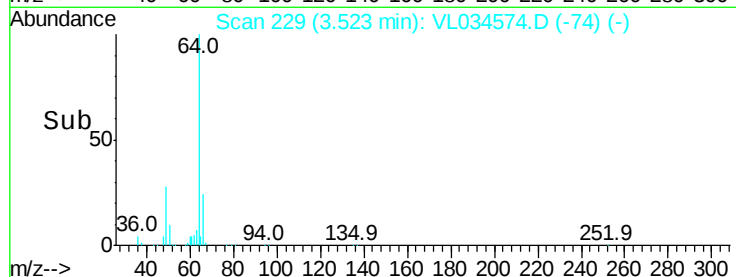
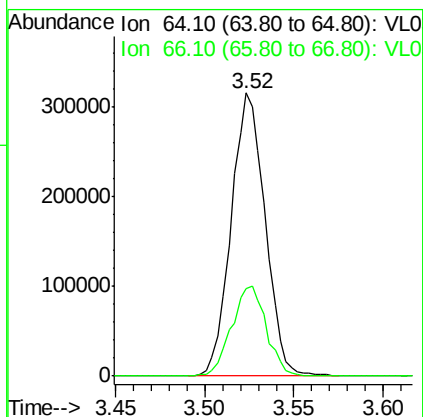
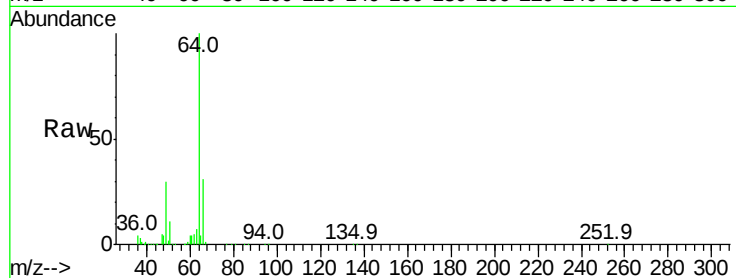
VSTDIC015

Tgt Ion: 64 Resp: 416844

Ion Ratio Lower Upper

64 100

66 31.1 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 13.113 ppbv

RT: 3.15 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL034574.D

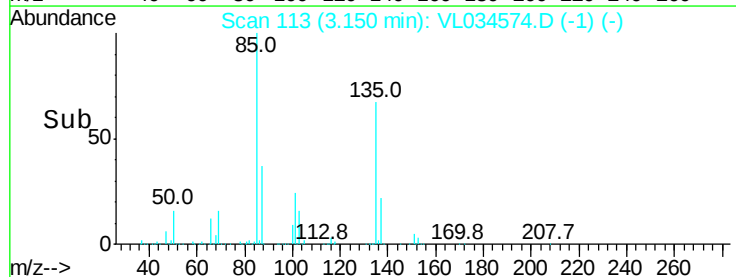
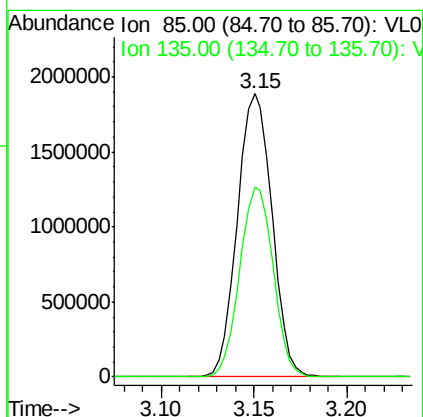
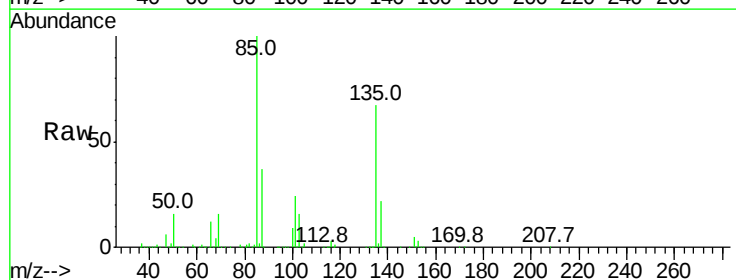
Acq: 30 Jan 2020 15:57

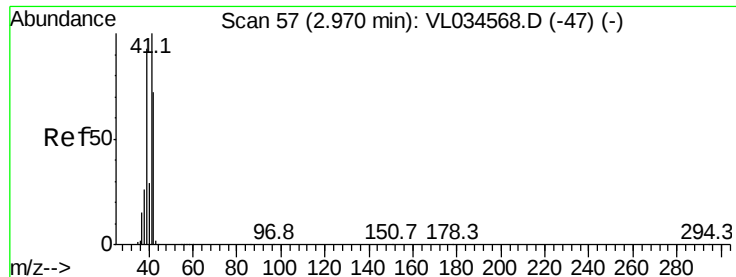
Tgt Ion: 85 Resp: 2451697

Ion Ratio Lower Upper

85 100

135 65.3 51.8 77.8





#9

Propene

Concen: 13.752 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

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ClientSampleId :

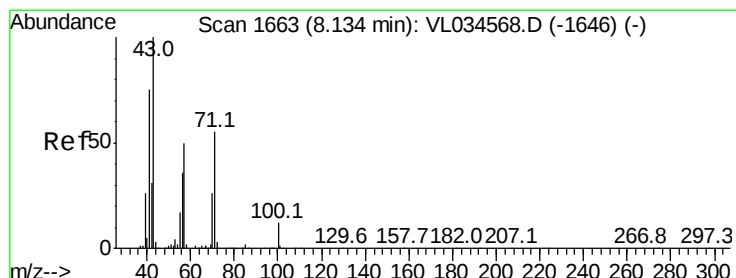
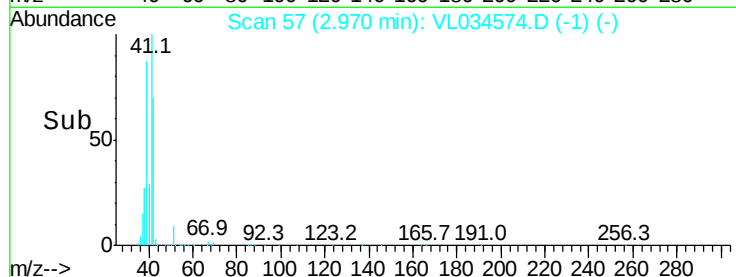
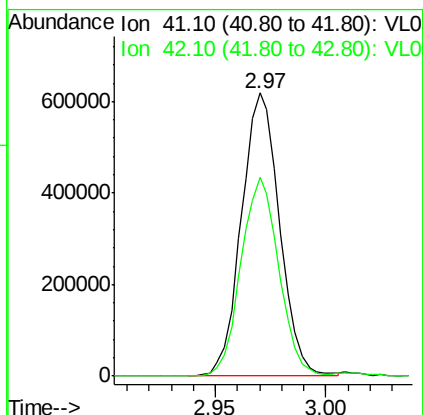
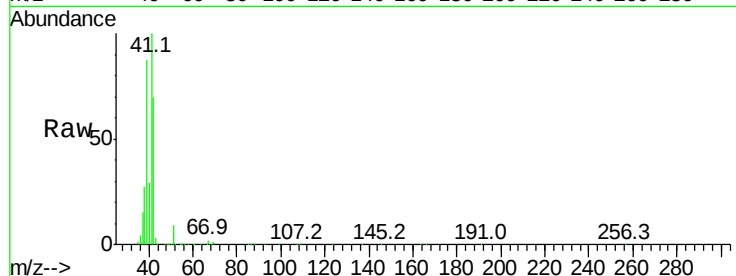
VSTDIC015

Tgt Ion: 41 Resp: 746678

Ion Ratio Lower Upper

41 100

42 70.5 55.8 83.6



#10

Heptane

Concen: 14.824 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VL034574.D

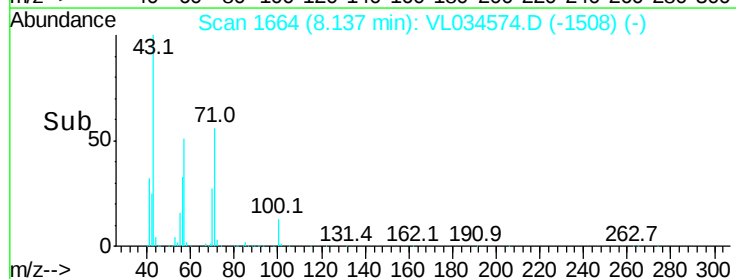
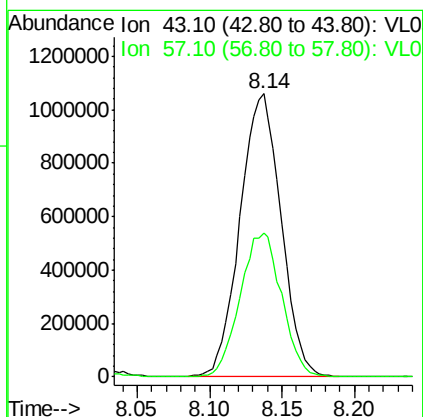
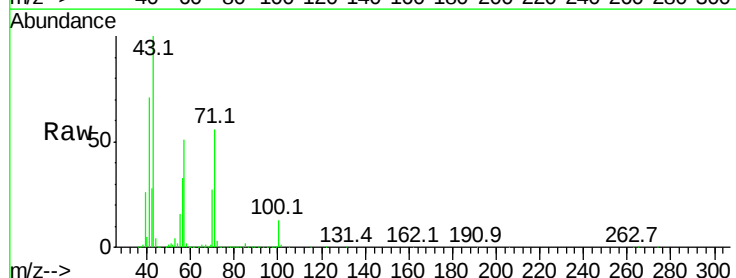
Acq: 30 Jan 2020 15:57

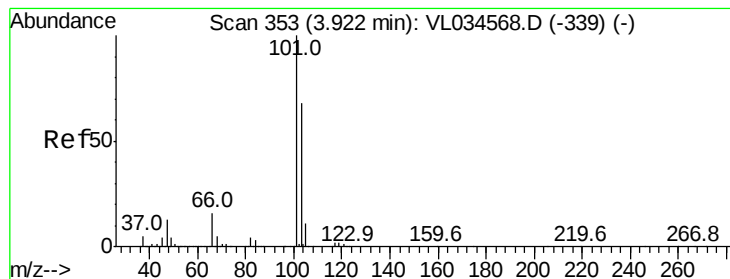
Tgt Ion: 43 Resp: 2078675

Ion Ratio Lower Upper

43 100

57 51.6 41.0 61.6





#11

Trichlorofluoromethane

Concen: 13.324 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.00 min

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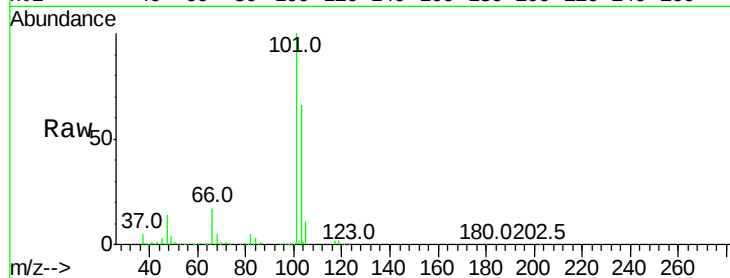
VSTDIC015

Tgt Ion:101 Resp: 2874158

Ion Ratio Lower Upper

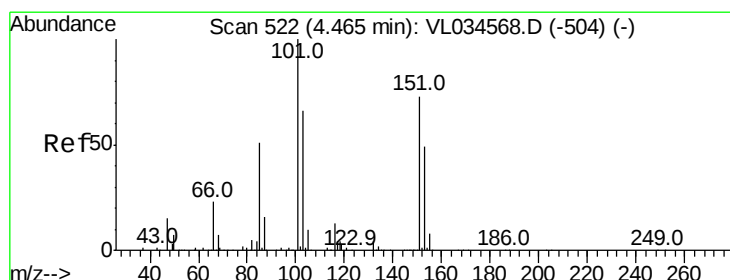
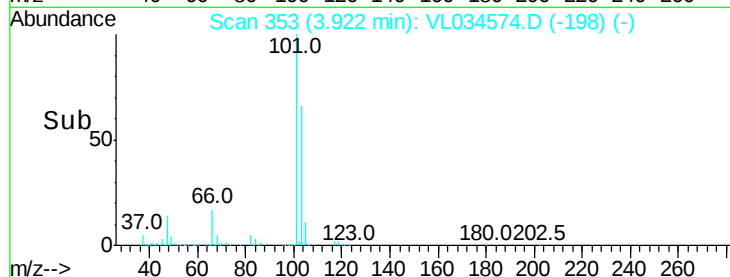
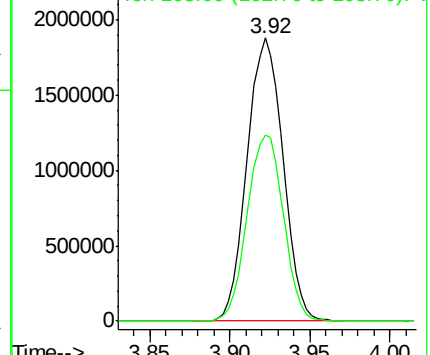
101 100

103 65.9 52.1 78.1



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: 14.240 ppbv

RT: 4.47 min Scan# 522

Delta R.T. -0.00 min

Lab File: VL034574.D

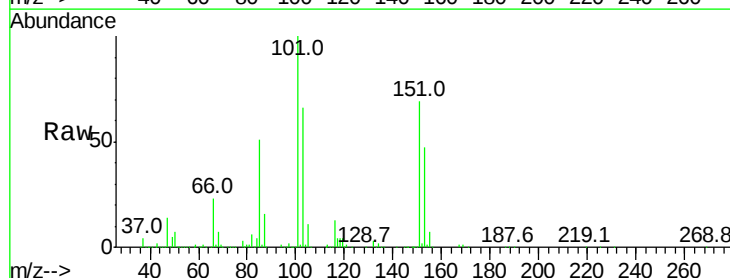
Acq: 30 Jan 2020 15:57

Tgt Ion:101 Resp: 1953867

Ion Ratio Lower Upper

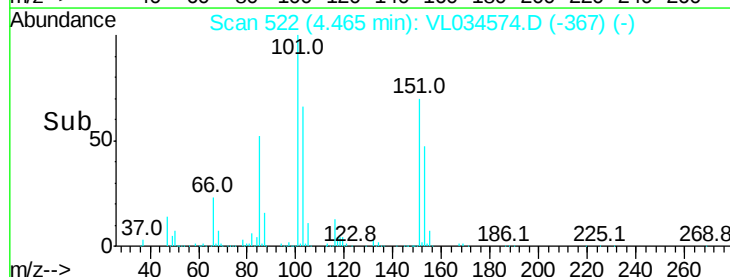
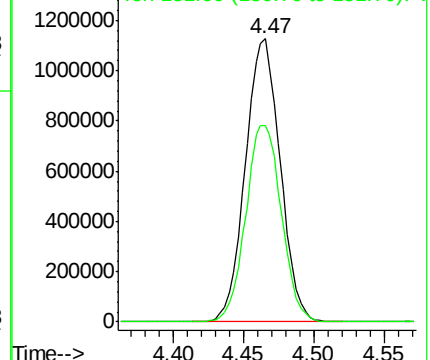
101 100

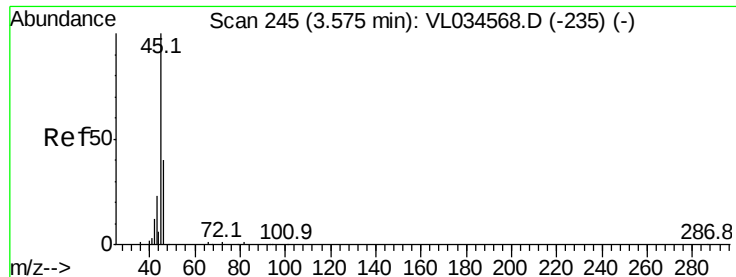
151 71.0 57.8 86.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.596 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

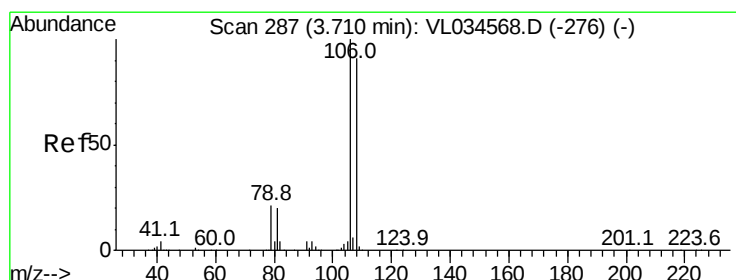
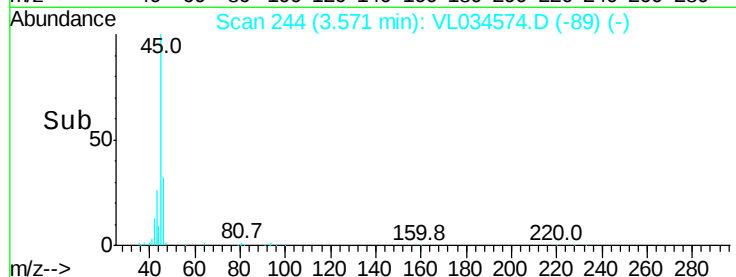
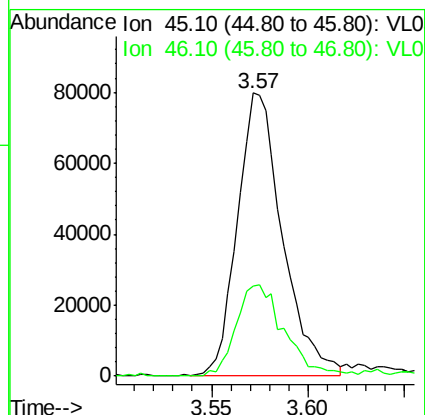
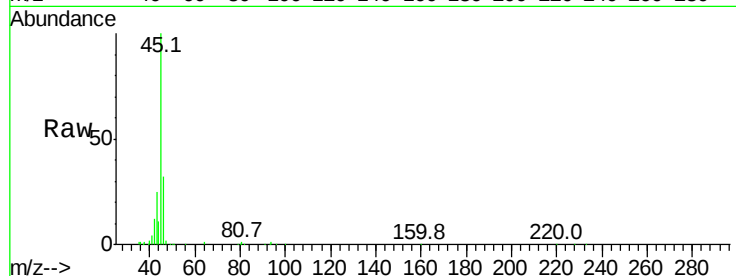
VSTDIC015

Tgt Ion: 45 Resp: 129498

Ion Ratio Lower Upper

45 100

46 35.3 14.9 59.7



#14

Bromoethene

Concen: 14.647 ppbv

RT: 3.71 min Scan# 287

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

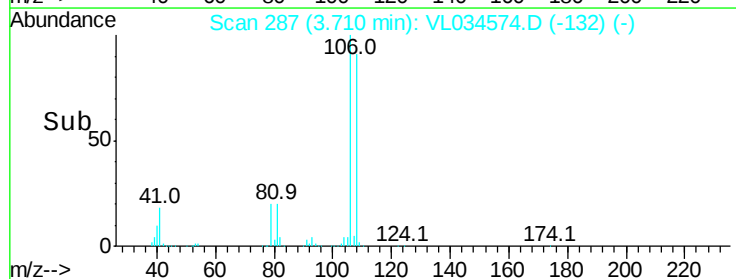
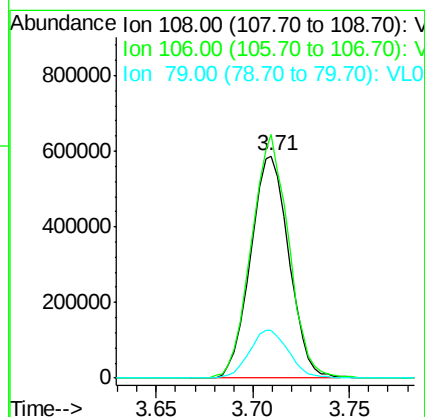
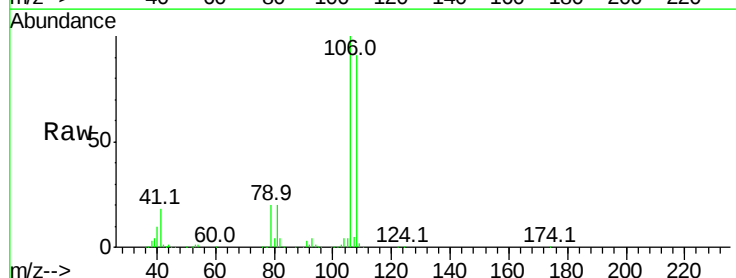
Tgt Ion: 108 Resp: 812829

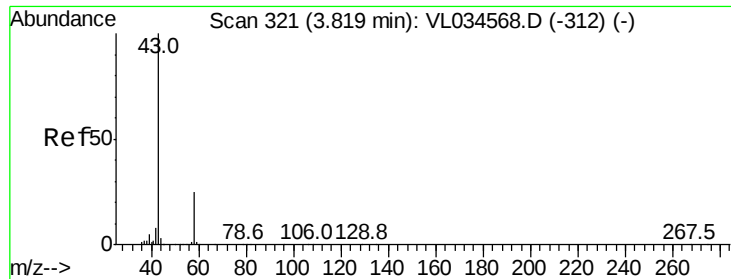
Ion Ratio Lower Upper

108 100

106 107.1 85.2 127.8

79 22.3 17.4 26.2





#15

Acetone

Concen: 11.842 ppbv

RT: 3.82 min Scan# 322

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

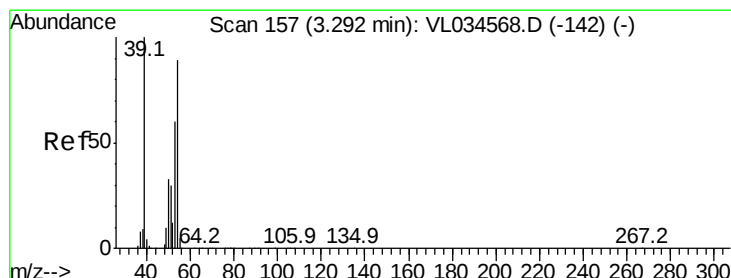
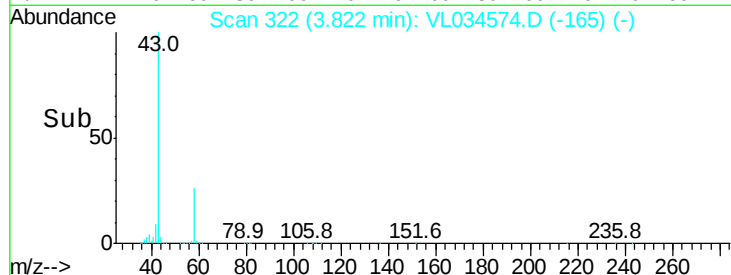
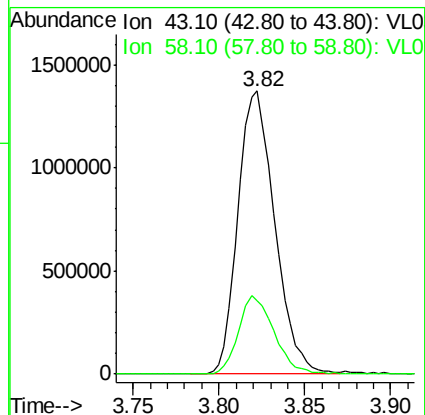
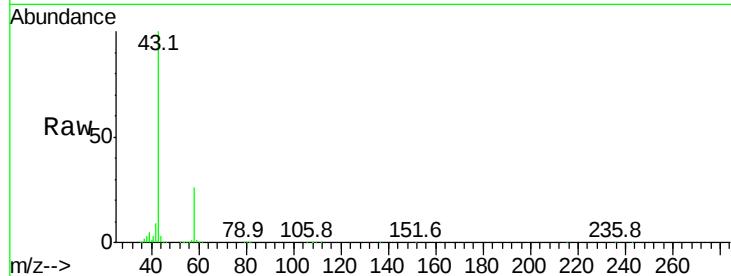
VSTDIC015

Tgt Ion: 43 Resp: 2042804

Ion Ratio Lower Upper

43 100

58 26.7 20.4 30.6



#16

1,3-Butadiene

Concen: 14.860 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.00 min

Lab File: VL034574.D

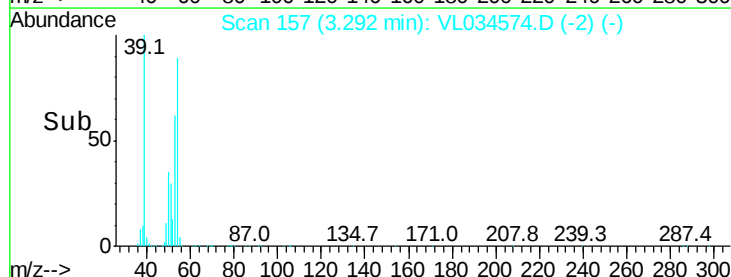
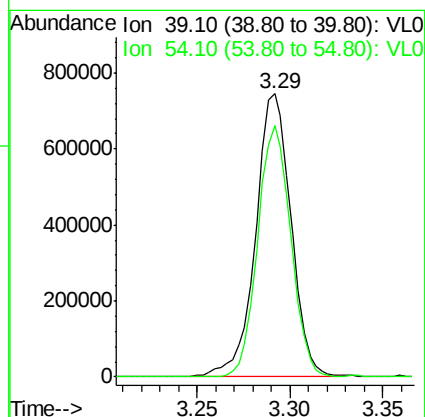
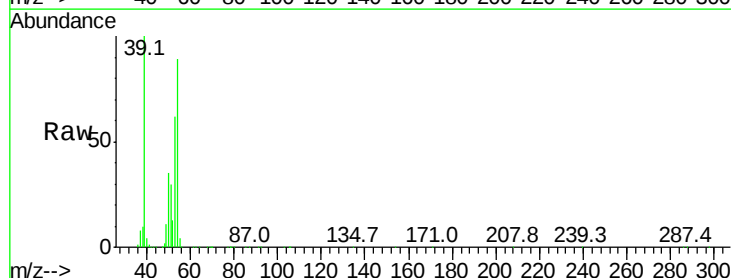
Acq: 30 Jan 2020 15:57

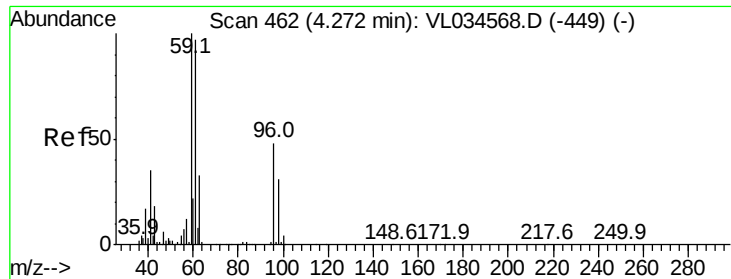
Tgt Ion: 39 Resp: 985899

Ion Ratio Lower Upper

39 100

54 83.4 66.2 99.2

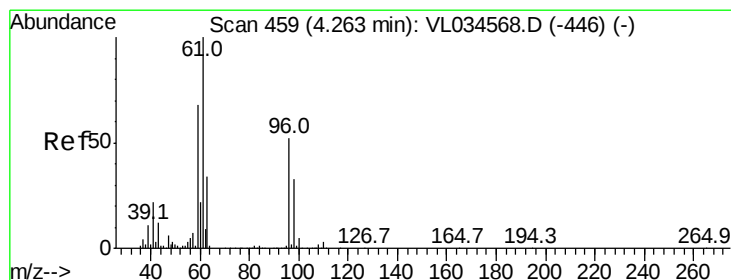
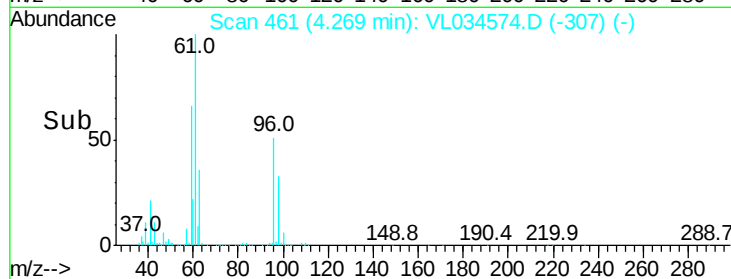
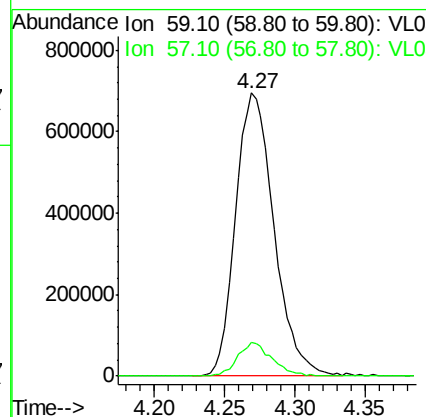
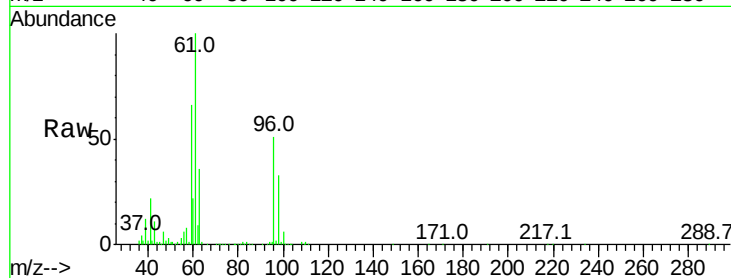




#17
 tert-Butyl alcohol
 Concen: 9.611 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

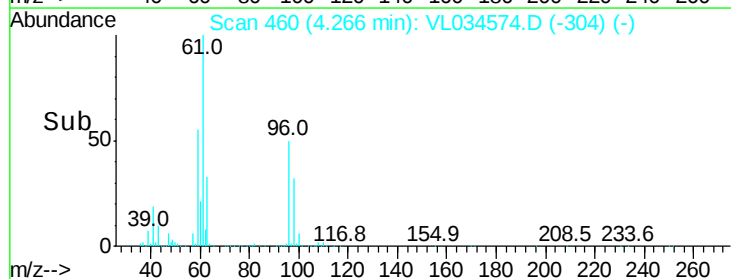
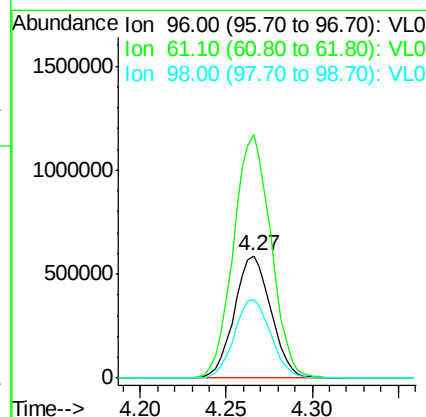
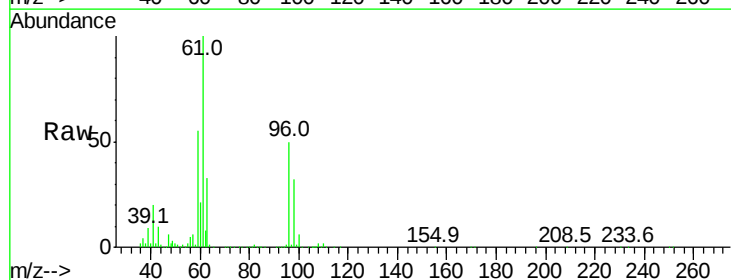
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

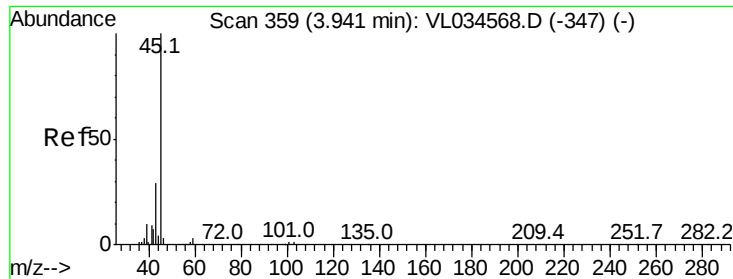
Tgt Ion: 59 Resp: 1327507
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.6 12.8



#18
 1,1-Dichloroethene
 Concen: 14.600 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Tgt Ion: 96 Resp: 872626
 Ion Ratio Lower Upper
 96 100
 61 198.3 165.9 248.9
 98 64.2 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.251 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

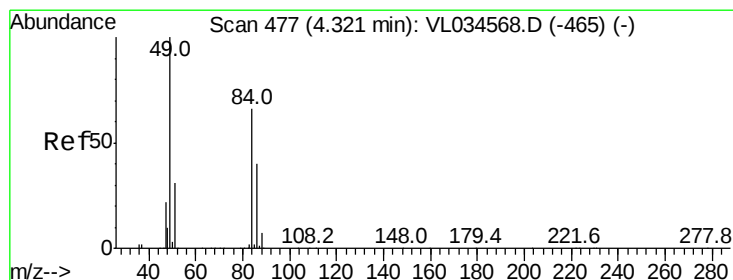
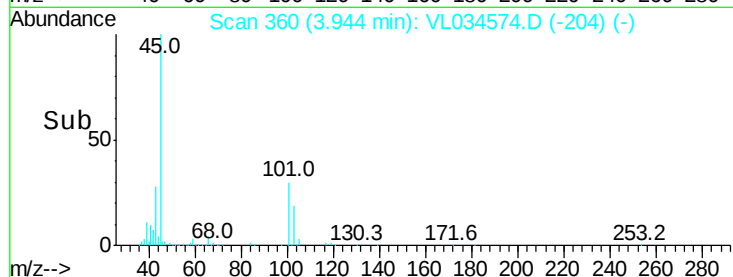
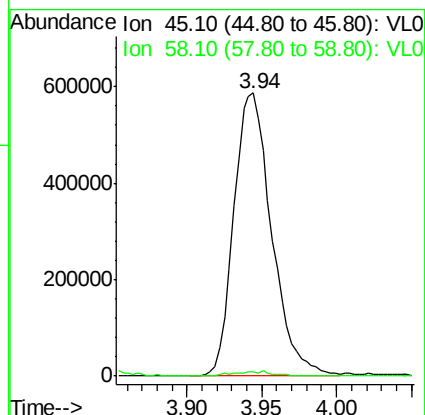
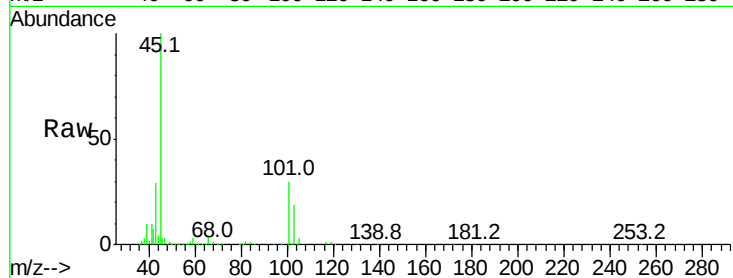
VSTDIC015

Tgt Ion: 45 Resp: 1033028

Ion Ratio Lower Upper

45 100

58 2.0 1.4 2.0



#20

Methylene Chloride

Concen: 11.516 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Tgt Ion: 84 Resp: 781682

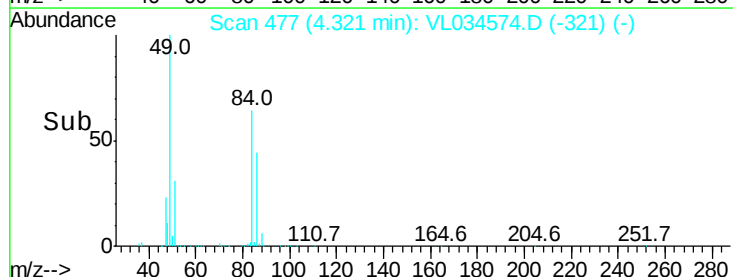
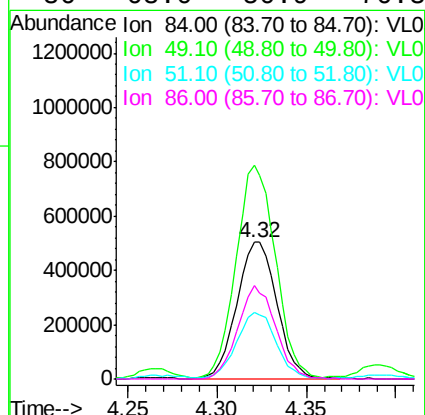
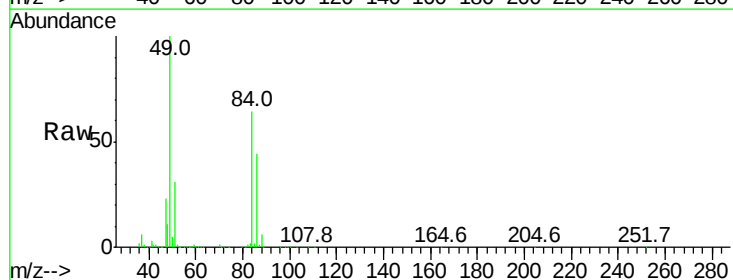
Ion Ratio Lower Upper

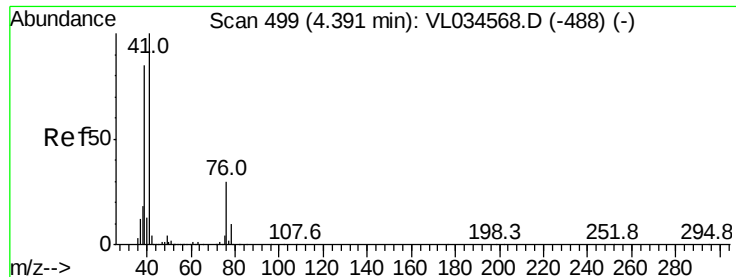
84 100

49 155.3 124.4 186.6

51 48.5 37.0 55.6

86 68.0 50.9 76.3





#21

Allyl Chloride

Concen: 14.806 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

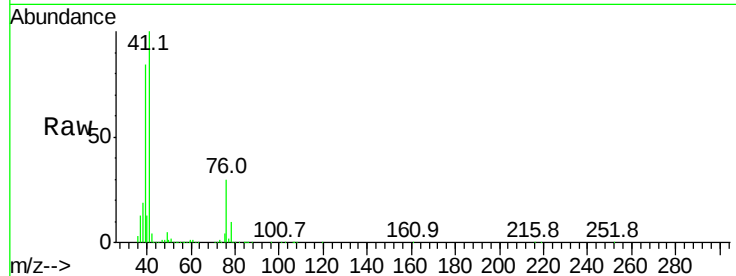
Tgt Ion: 41 Resp: 1468008

Ion Ratio Lower Upper

41 100

76 30.3 24.2 36.4

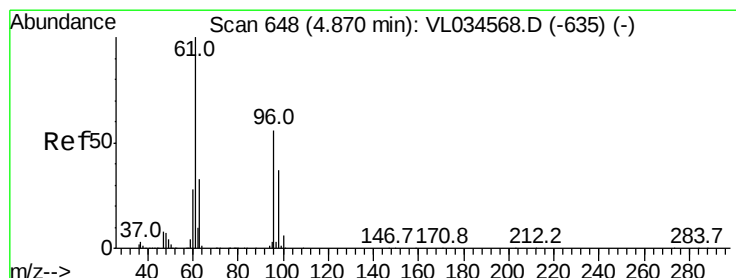
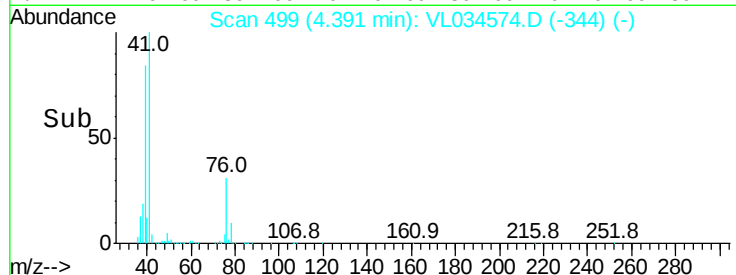
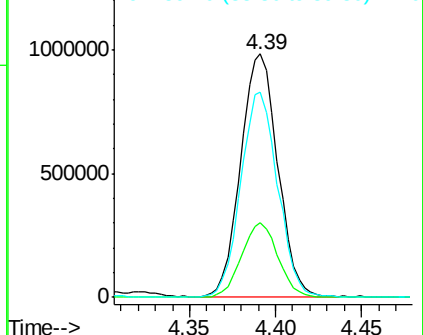
39 84.5 65.8 98.6



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: 14.794 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

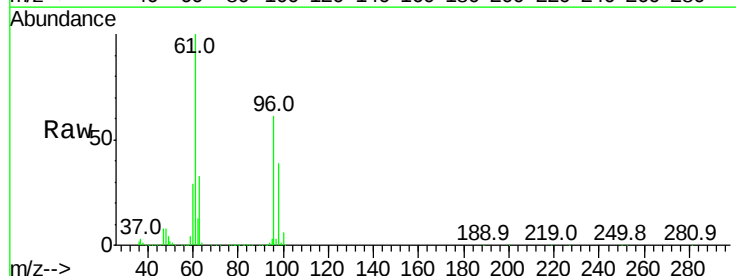
Tgt Ion: 96 Resp: 899358

Ion Ratio Lower Upper

96 100

61 163.3 128.4 192.6

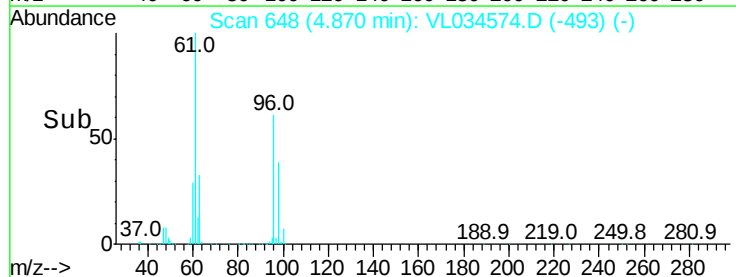
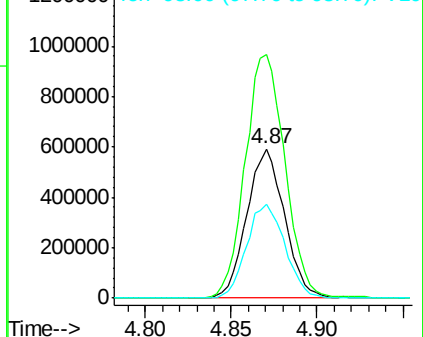
98 63.4 50.6 75.8

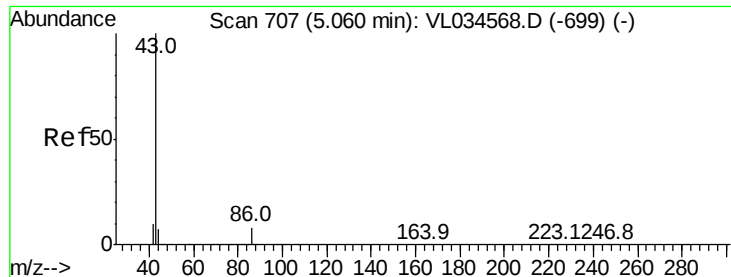


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 14.027 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 2793548

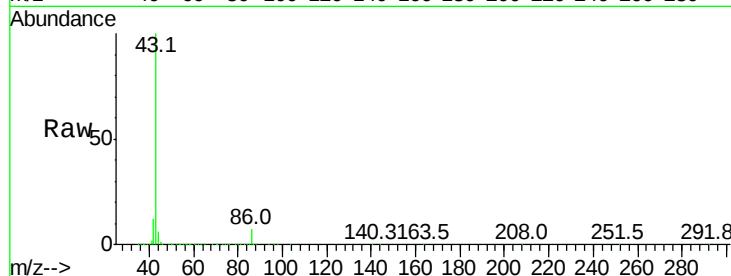
Ion Ratio Lower Upper

43 100

86 7.5 5.4 8.2

42 11.6 8.9 13.3

44 6.0 5.0 7.4

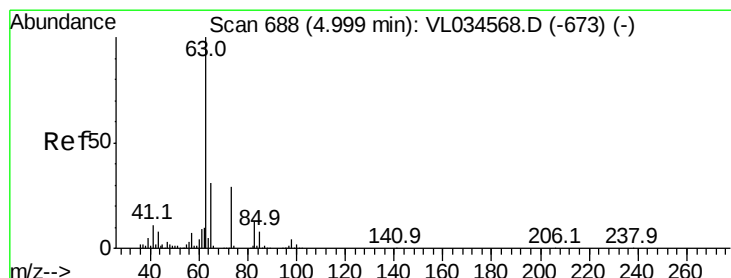
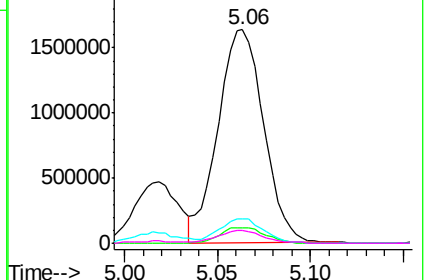
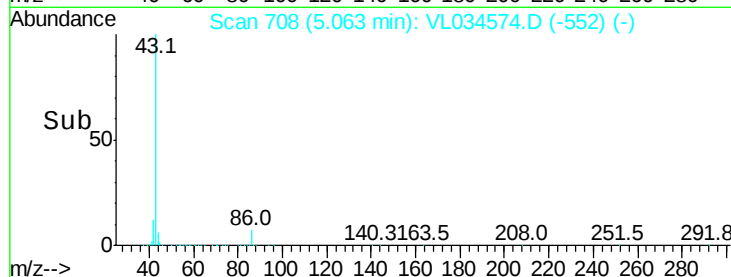


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 13.439 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

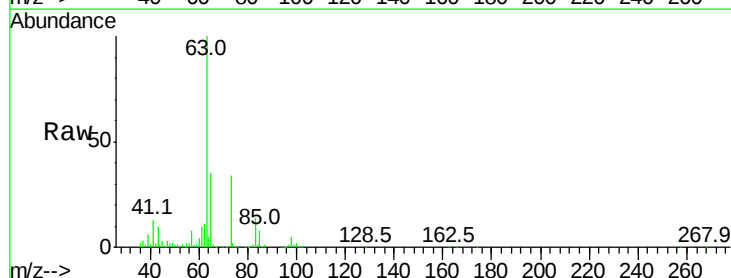
Tgt Ion: 63 Resp: 2150176

Ion Ratio Lower Upper

63 100

98 4.6 2.1 6.3

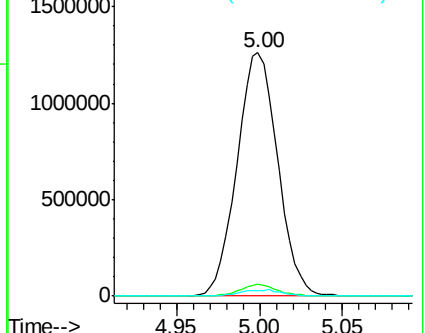
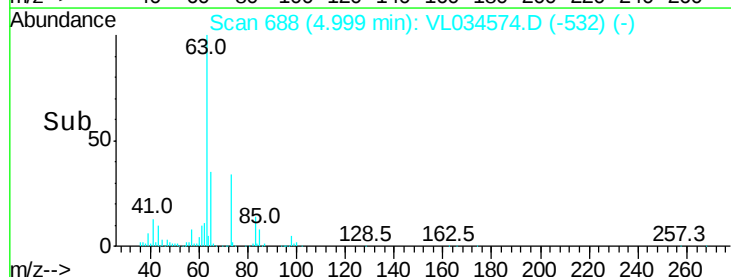
100 2.4 1.1 3.3

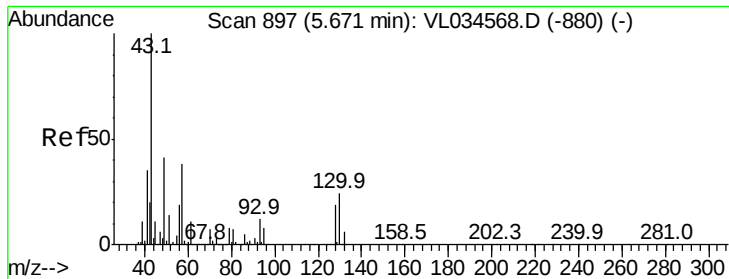


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 13.700 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3690795

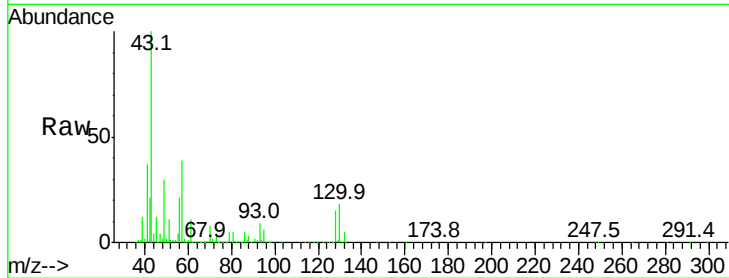
Ion Ratio Lower Upper

43 100

45 11.1 8.3 12.5

61 10.0 7.8 11.6

70 7.6 5.8 8.8

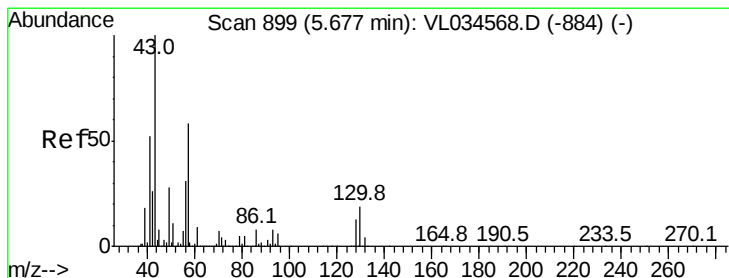
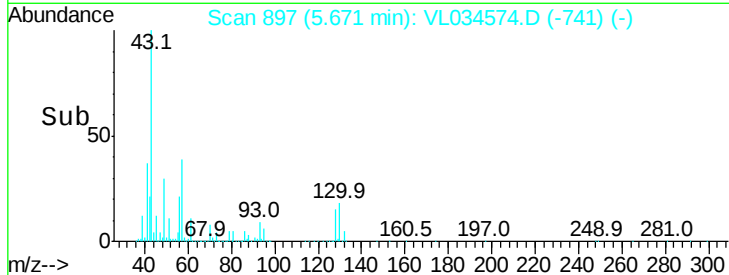
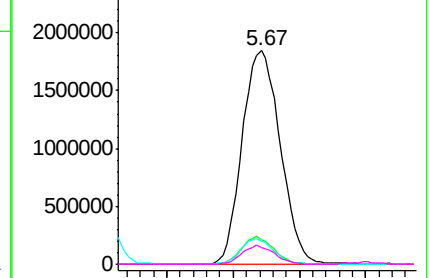


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 14.243 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Tgt Ion: 57 Resp: 1616771

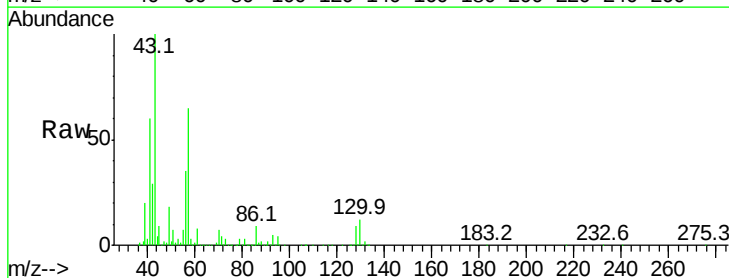
Ion Ratio Lower Upper

57 100

41 93.5 75.3 112.9

43 229.2 189.4 284.2

56 53.6 42.8 64.2

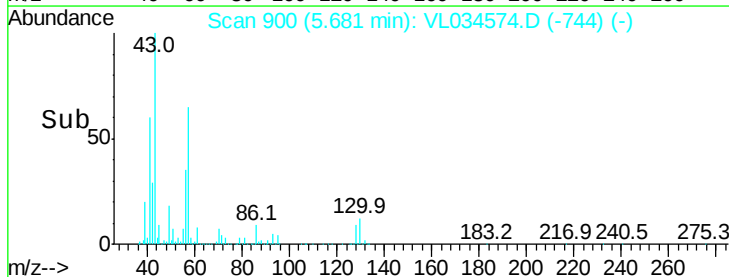
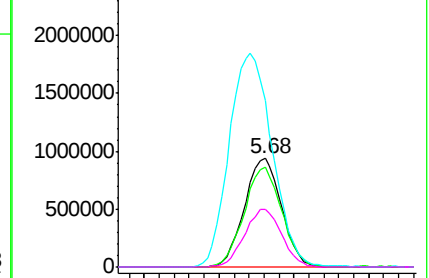


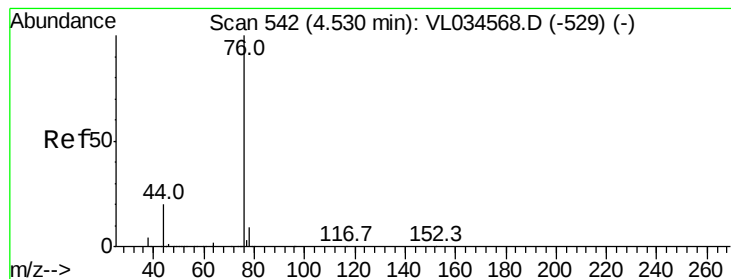
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 16.175 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

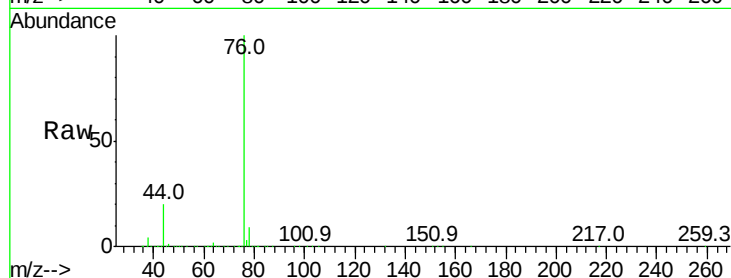
Tgt Ion: 76 Resp: 2320921

Ion Ratio Lower Upper

76 100

44 20.0 16.6 25.0

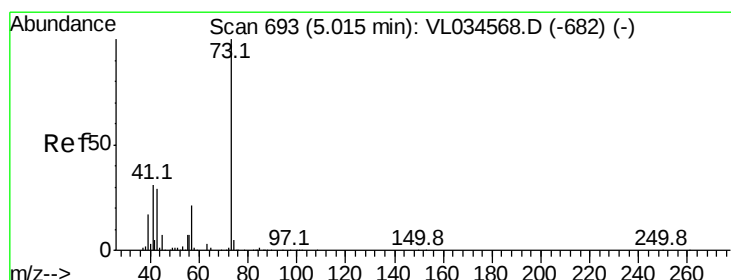
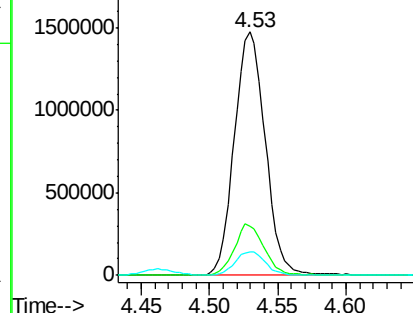
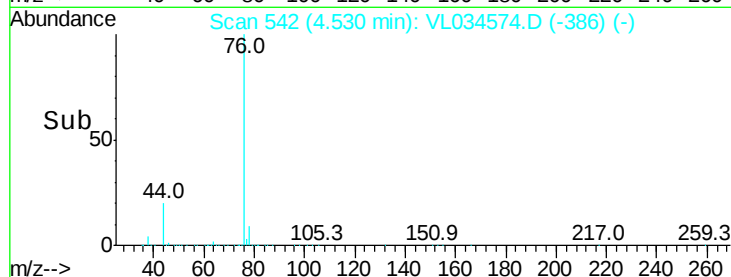
78 9.6 7.4 11.0



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: 14.494 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.00 min

Lab File: VL034574.D

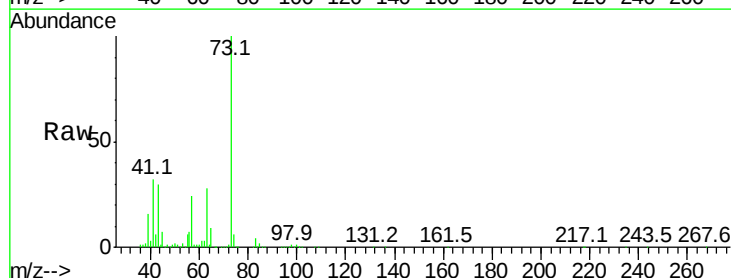
Acq: 30 Jan 2020 15:57

Tgt Ion: 73 Resp: 2747888

Ion Ratio Lower Upper

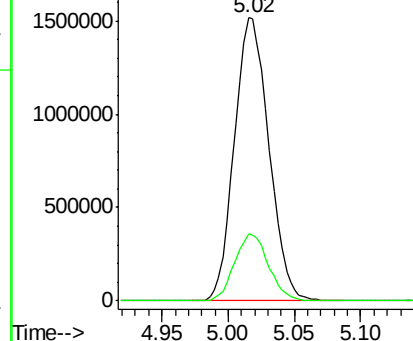
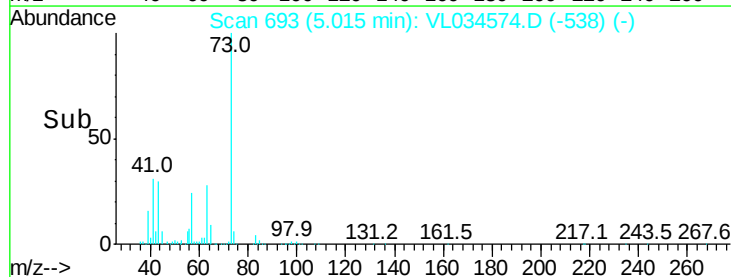
73 100

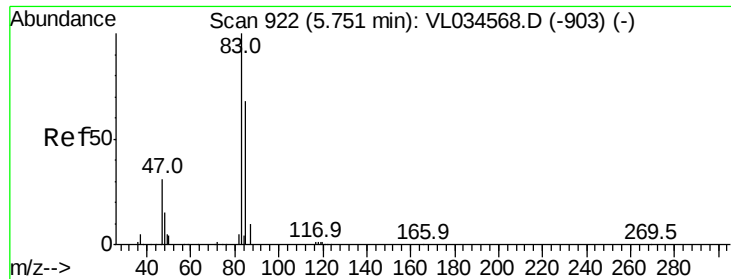
57 23.4 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

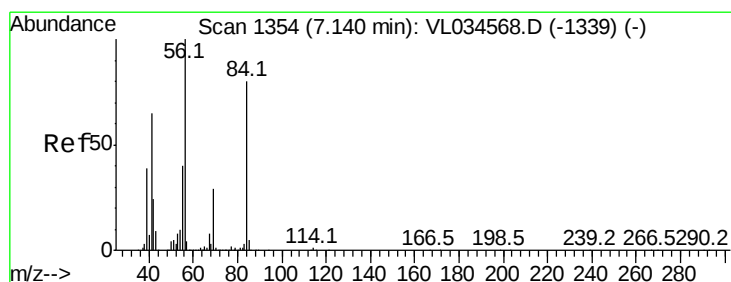
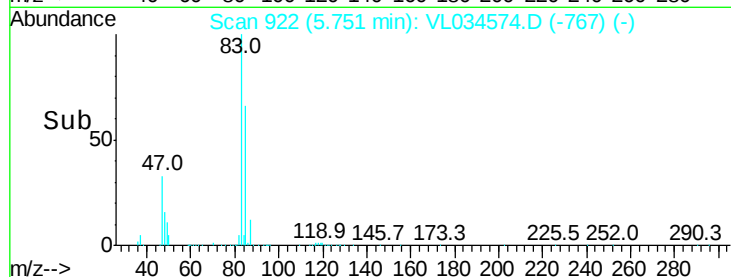
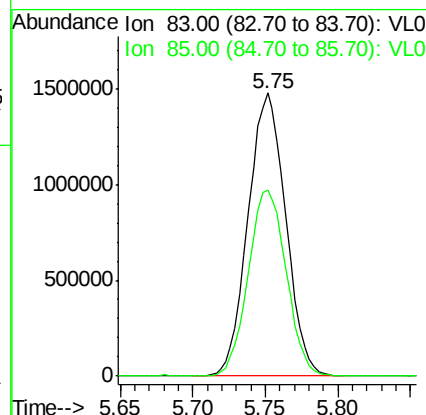
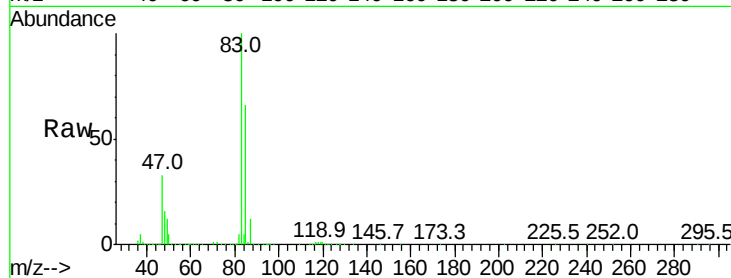




#29
Chloroform
Concen: 13.616 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

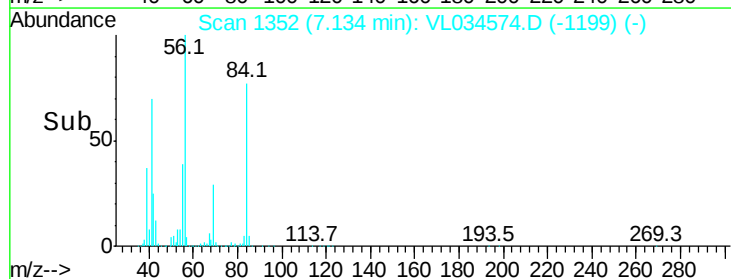
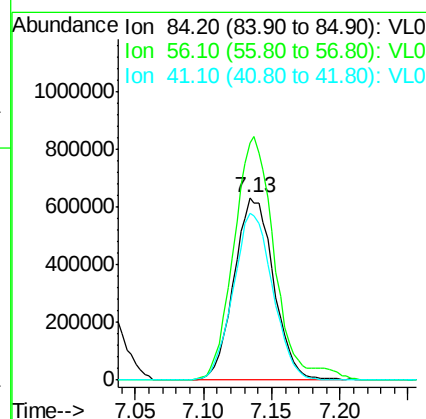
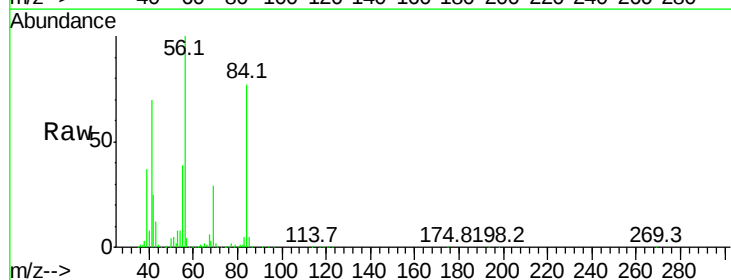
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

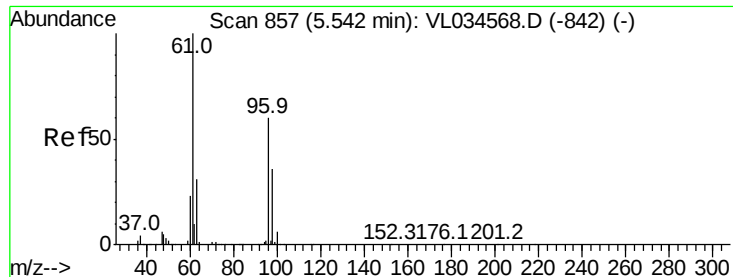
Tgt Ion: 83 Resp: 2674437
Ion Ratio Lower Upper
83 100
85 65.5 51.0 76.6



#30
Cyclohexane
Concen: 15.076 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 84 Resp: 1272053
Ion Ratio Lower Upper
84 100
56 137.6 112.7 169.1
41 91.4 73.0 109.4



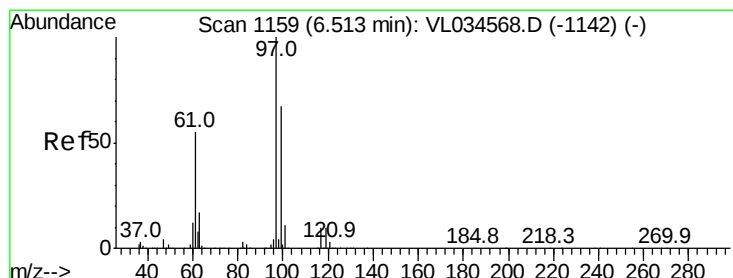
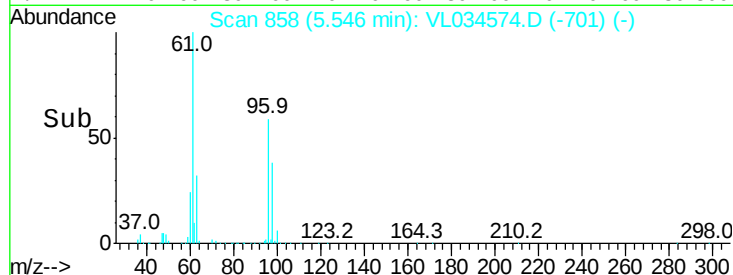
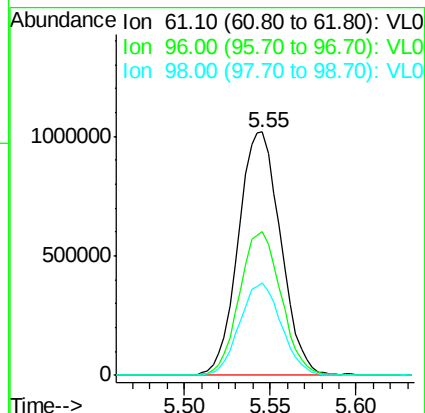
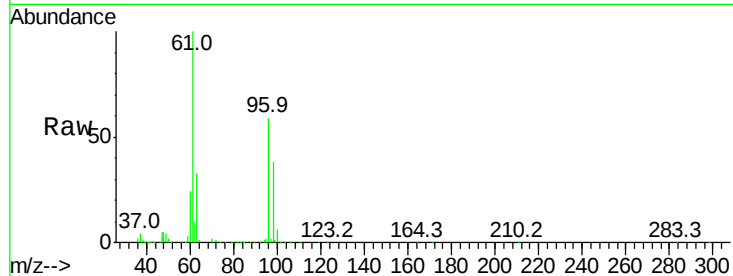


#31

cis-1,2-Dichloroethene
Concen: 15.058 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

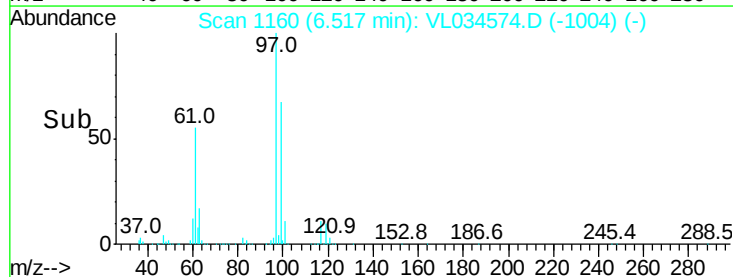
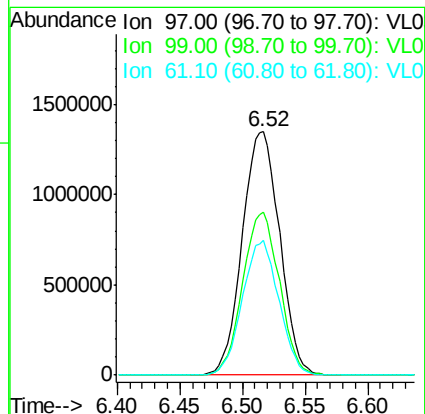
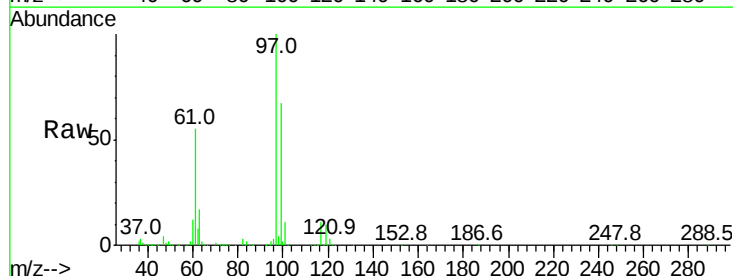
Tgt Ion: 61 Resp: 1741875
Ion Ratio Lower Upper
61 100
96 58.8 47.1 70.7
98 38.3 31.0 46.6

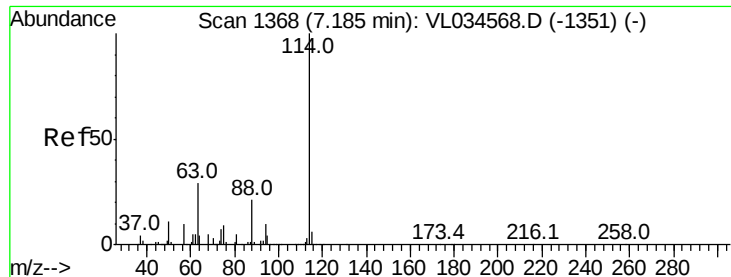


#32

1,1,1-Trichloroethane
Concen: 13.750 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 97 Resp: 2803400
Ion Ratio Lower Upper
97 100
99 65.5 51.7 77.5
61 53.9 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.00 min

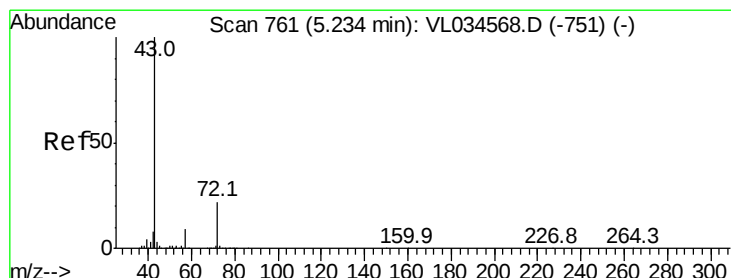
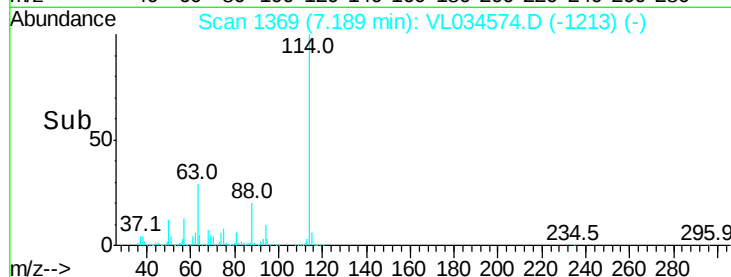
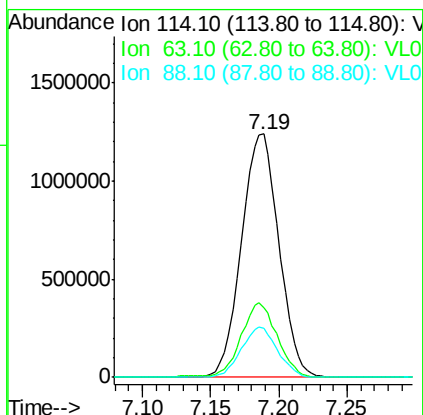
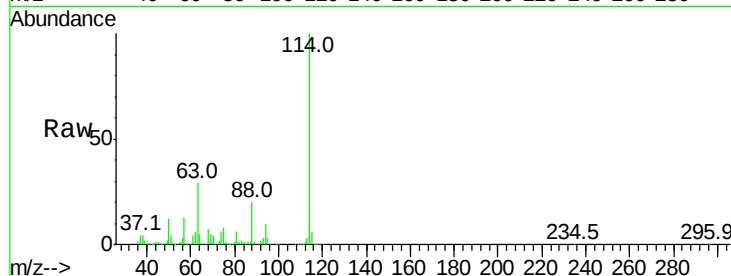
Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion:114 Resp: 2358987

Ion	Ratio	Lower	Upper
114	100		
63	30.2	24.1	36.1
88	20.0	15.7	23.5



#34

2-Butanone

Concen: 14.052 ppbv

RT: 5.23 min Scan# 761

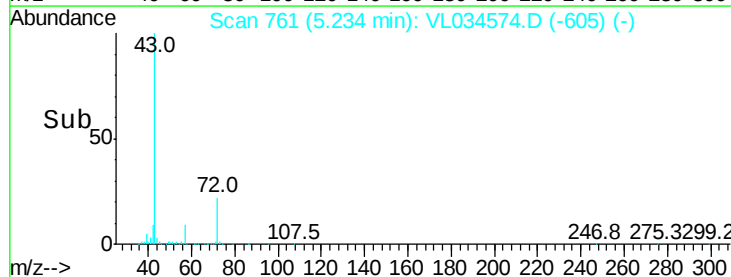
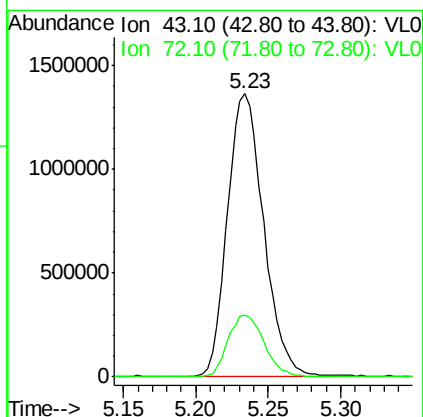
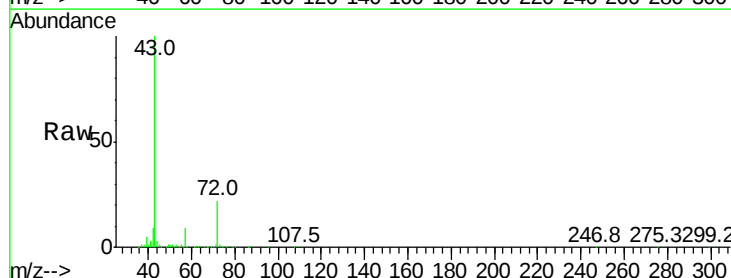
Delta R.T. -0.00 min

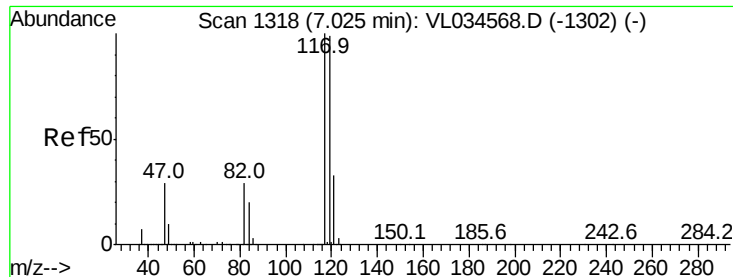
Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Tgt Ion: 43 Resp: 2368773

Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.0	25.4





#35

Carbon Tetrachloride

Concen: 13.959 ppbv

RT: 7.03 min Scan# 1319

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

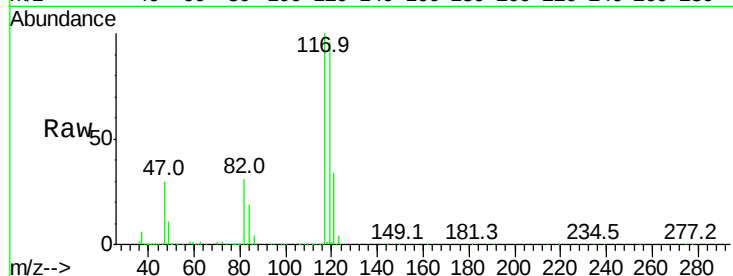
Tgt Ion: 117 Resp: 2986212

Ion Ratio Lower Upper

117 100

119 95.6 78.7 118.1

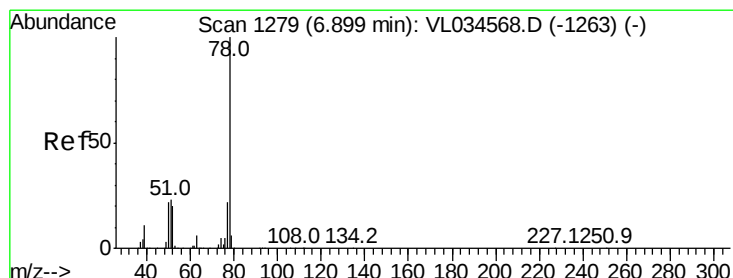
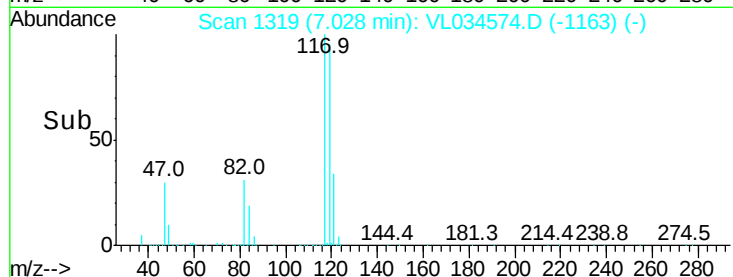
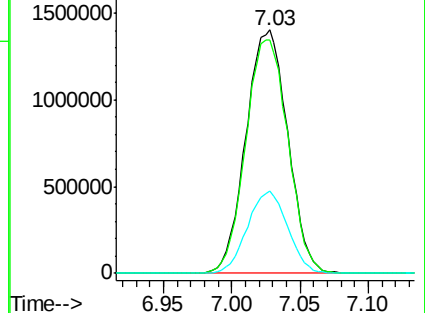
121 33.8 25.9 38.9



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: 14.584 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

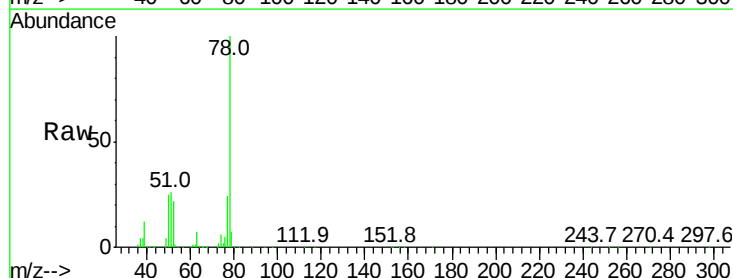
Tgt Ion: 78 Resp: 2998863

Ion Ratio Lower Upper

78 100

77 23.8 18.6 28.0

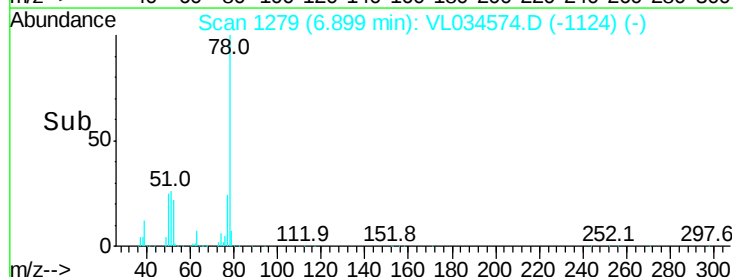
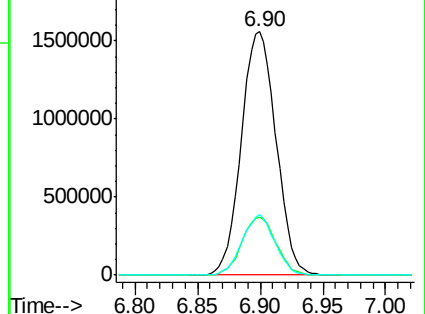
50 24.8 18.8 28.2

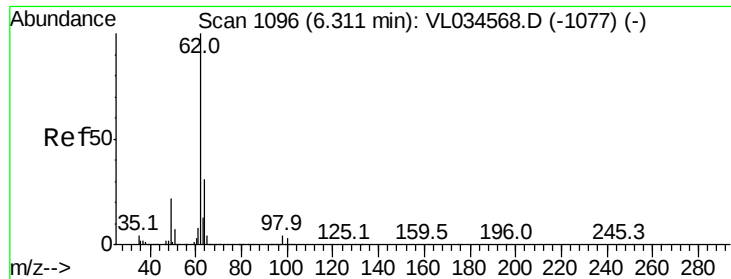


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 14.236 ppbv

RT: 6.31 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

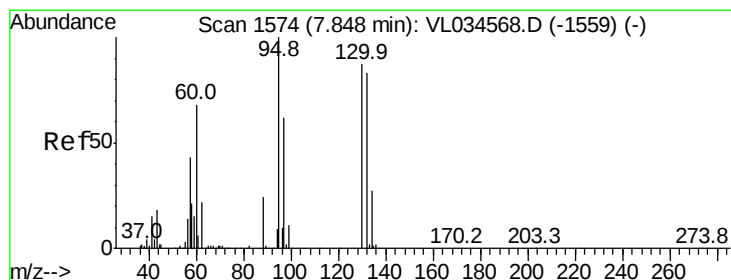
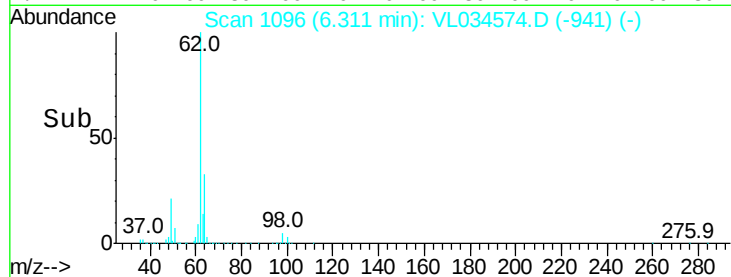
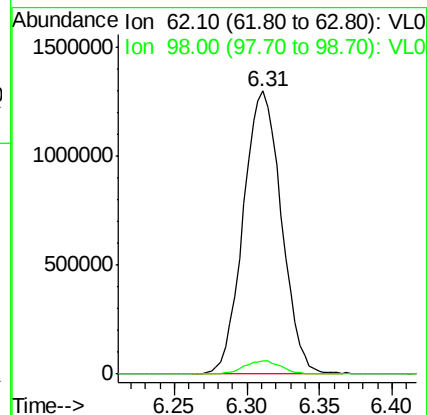
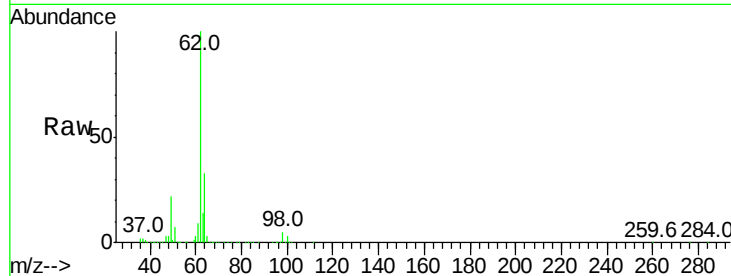
VSTDIC015

Tgt Ion: 62 Resp: 2377257

Ion Ratio Lower Upper

62 100

98 4.6 3.8 5.6



#38

Trichloroethene

Concen: 15.621 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Tgt Ion: 130 Resp: 1297582

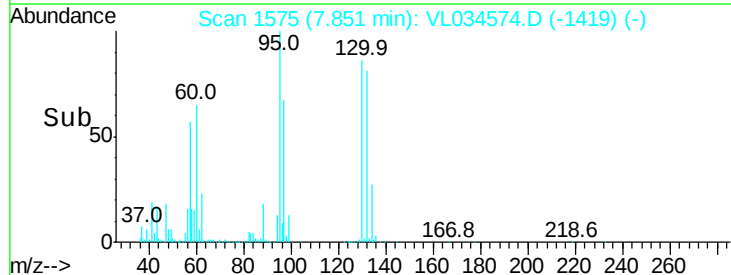
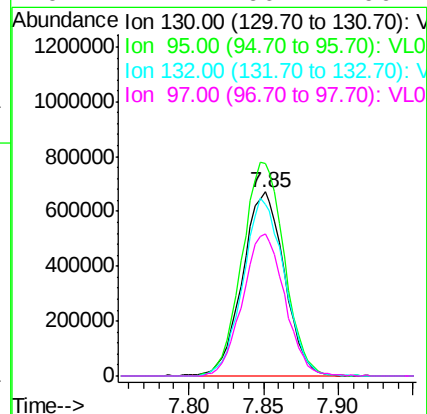
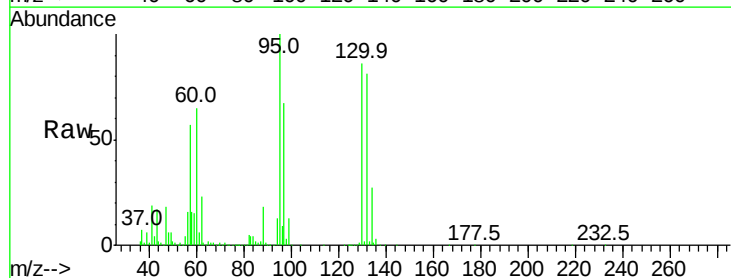
Ion Ratio Lower Upper

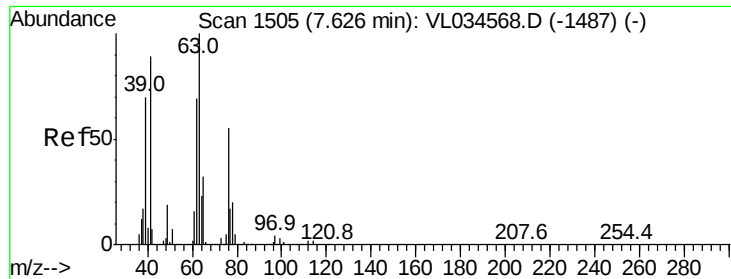
130 100

95 115.8 94.2 141.2

132 93.6 76.1 114.1

97 77.1 60.2 90.2



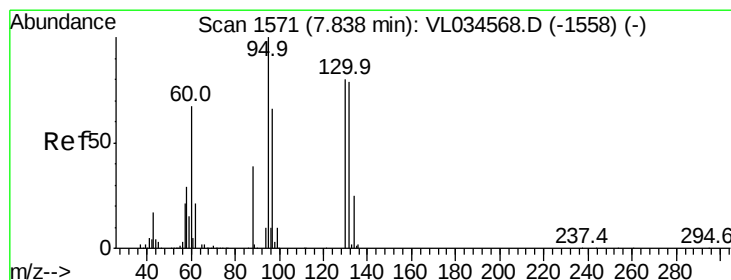
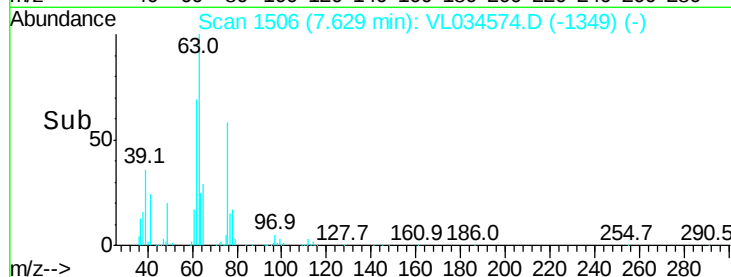
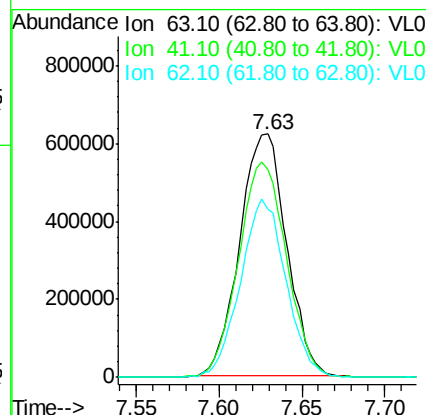
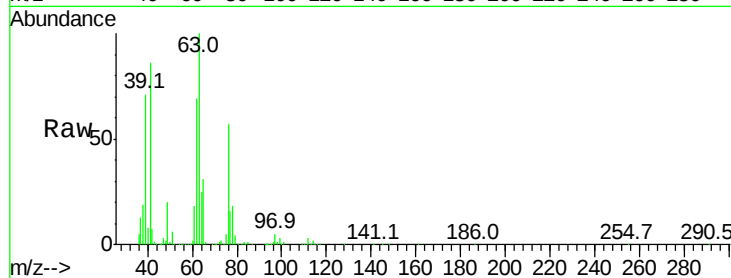


#39
 1,2-Dichloropropane
 Concen: 14.440 ppbv
 RT: 7.63 min Scan# 1506
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 63 Resp: 1220993

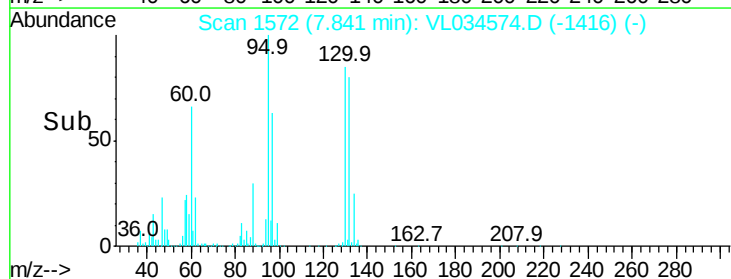
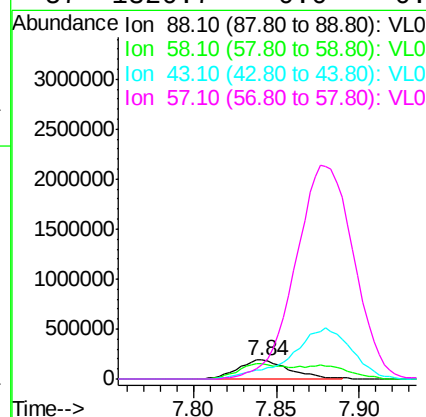
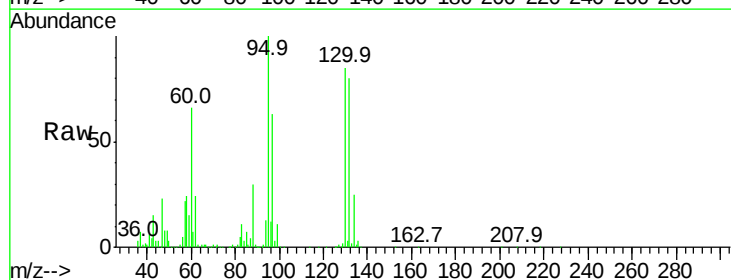
Ion	Ratio	Lower	Upper
63	100		
41	85.9	66.1	99.1
62	69.0	54.9	82.3

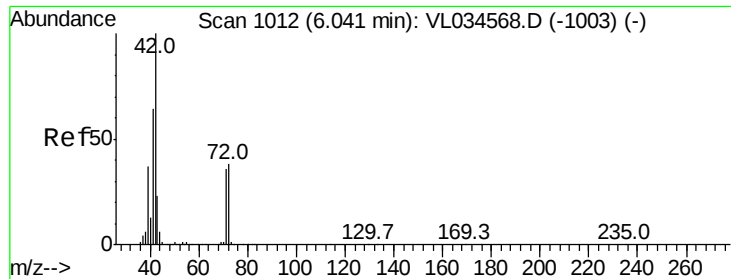


#40
 1,4-Dioxane
 Concen: 11.622 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Tgt Ion: 88 Resp: 397717

Ion	Ratio	Lower	Upper
88	100		
58	146.9	107.9	161.9
43	326.5	0.0	0.0#
57	1320.7	0.0	0.0#

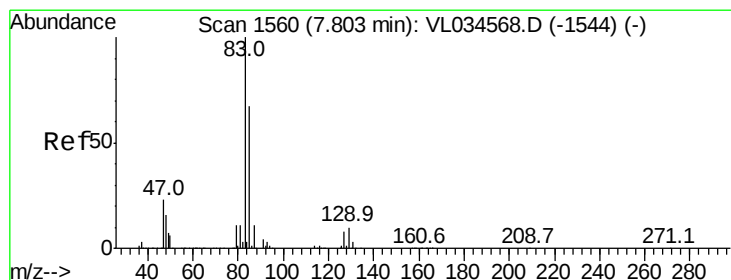
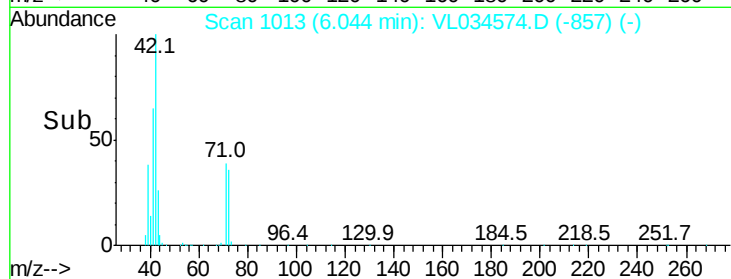
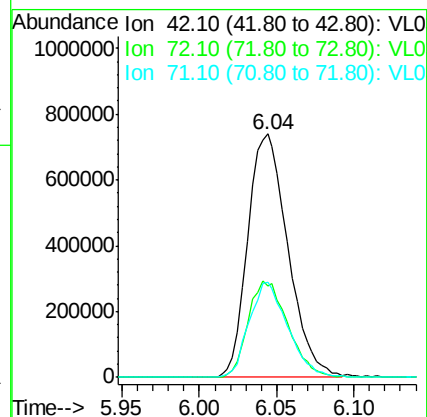
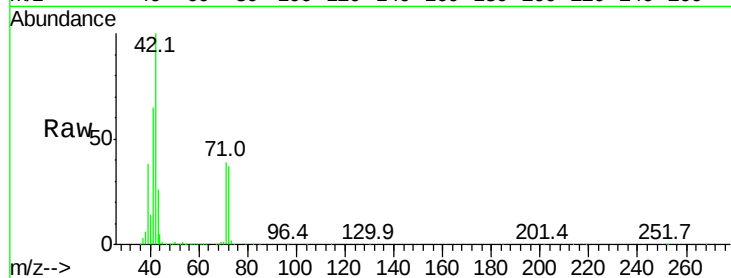




#41
Tetrahydrofuran
Concen: 15.437 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

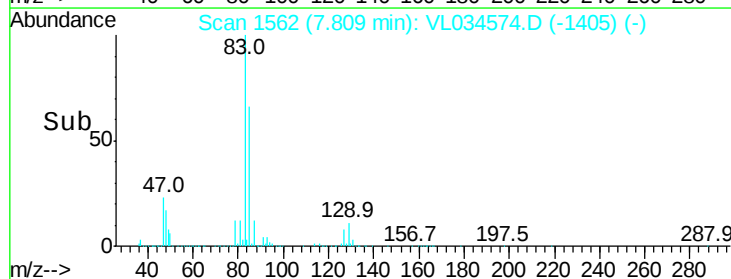
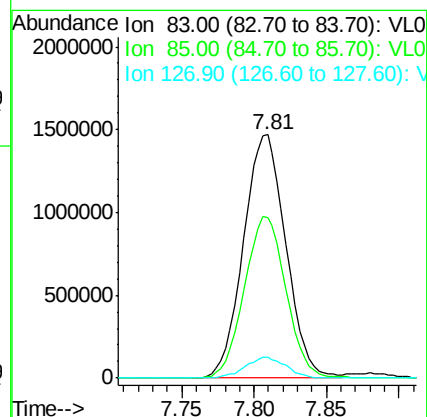
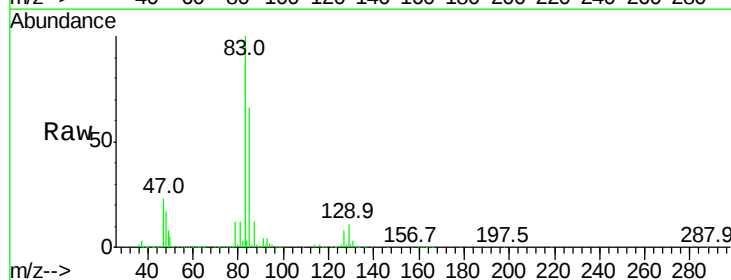
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

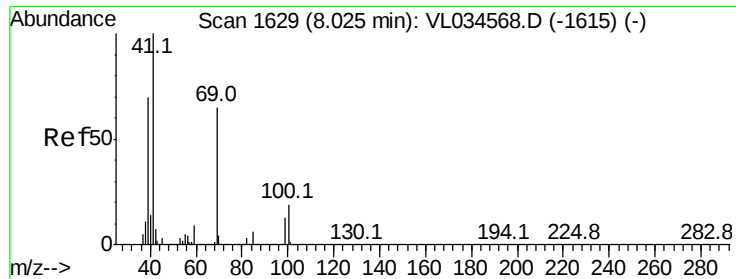
Tgt Ion: 42 Resp: 1334914
Ion Ratio Lower Upper
42 100
72 39.3 30.9 46.3
71 38.0 28.9 43.3



#42
Bromodichloromethane
Concen: 14.511 ppbv
RT: 7.81 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 83 Resp: 2981721
Ion Ratio Lower Upper
83 100
85 65.9 49.4 74.2
127 8.4 6.2 9.4

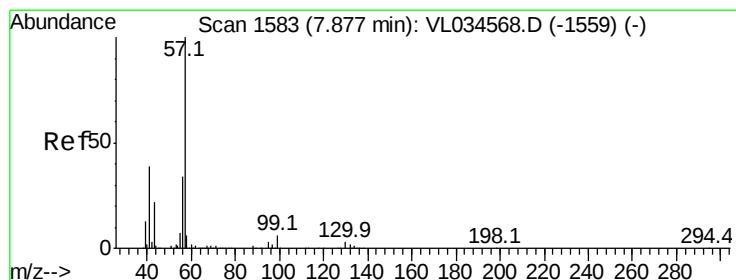
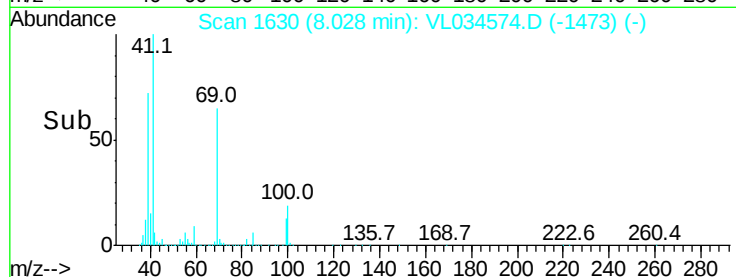
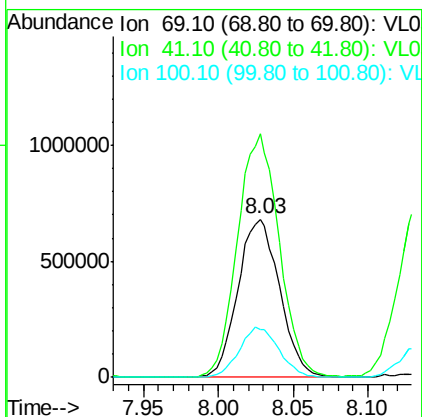
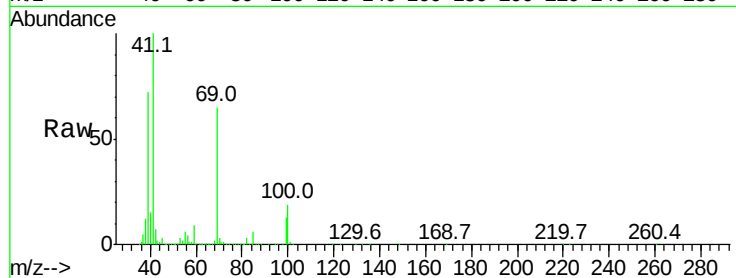




#43
Methyl Methacrylate
Concen: 15.776 ppbv
RT: 8.03 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

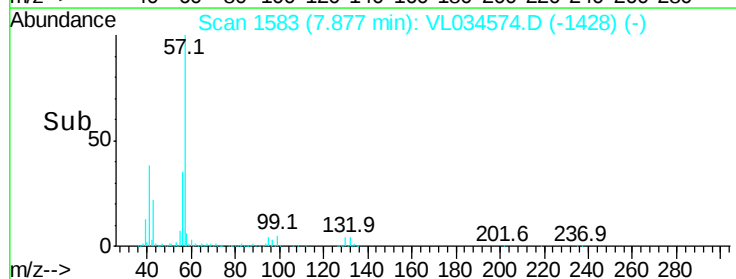
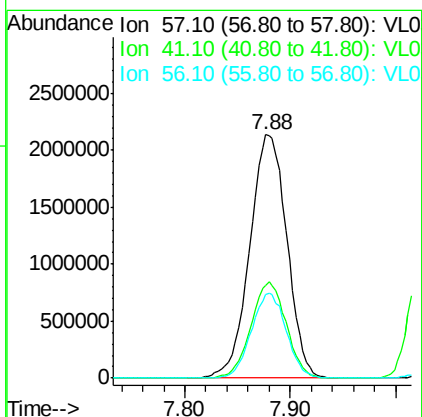
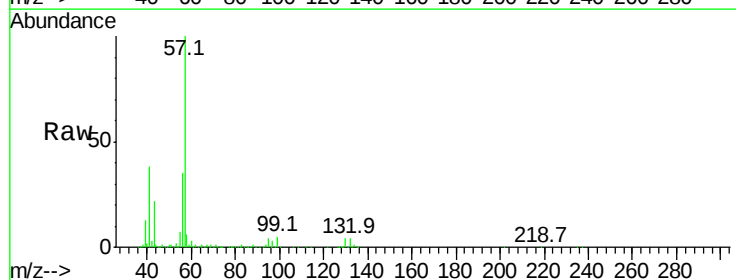
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

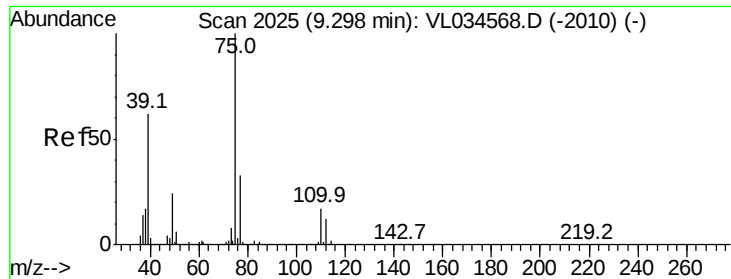
Tgt Ion: 69 Resp: 1323306
Ion Ratio Lower Upper
69 100
41 153.9 124.0 186.0
100 30.2 23.1 34.7



#44
2,2,4-Trimethylpentane
Concen: 13.785 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 57 Resp: 5243583
Ion Ratio Lower Upper
57 100
41 37.5 29.0 43.4
56 32.8 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 17.522 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

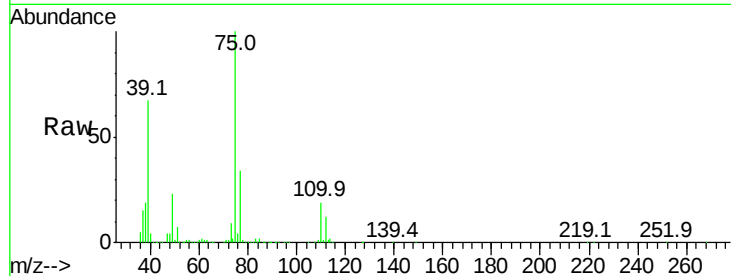
VSTDIC015

Tgt Ion: 75 Resp: 1893291

Ion Ratio Lower Upper

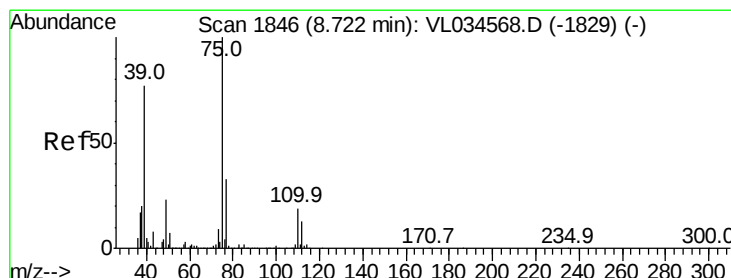
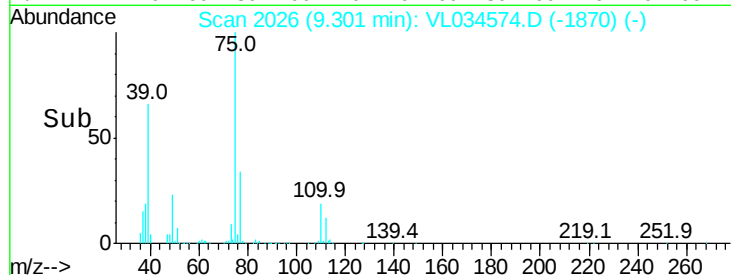
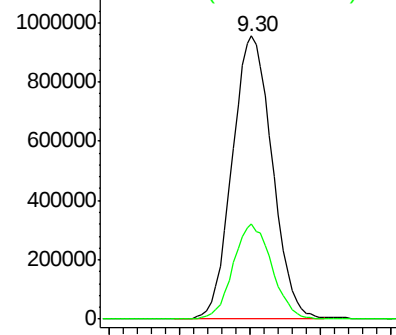
75 100

77 33.7 24.2 36.2



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 16.747 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

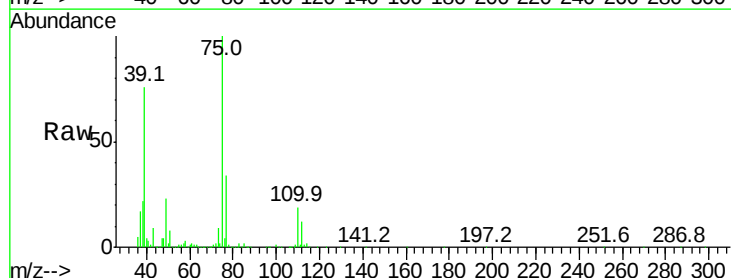
Tgt Ion: 75 Resp: 2068475

Ion Ratio Lower Upper

75 100

39 76.0 60.5 90.7

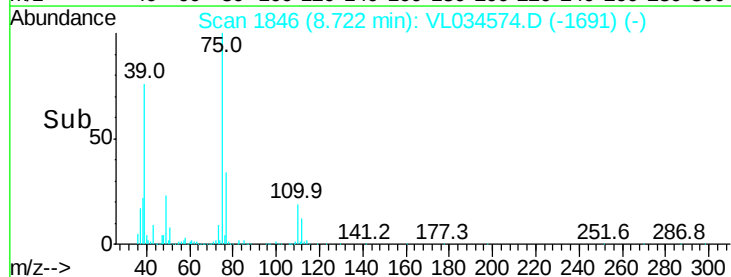
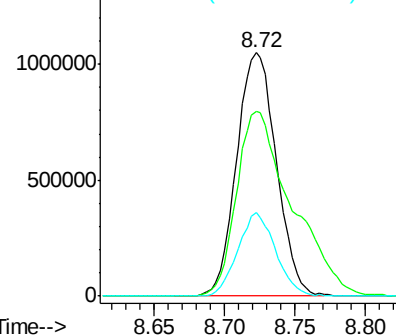
77 34.1 24.8 37.2

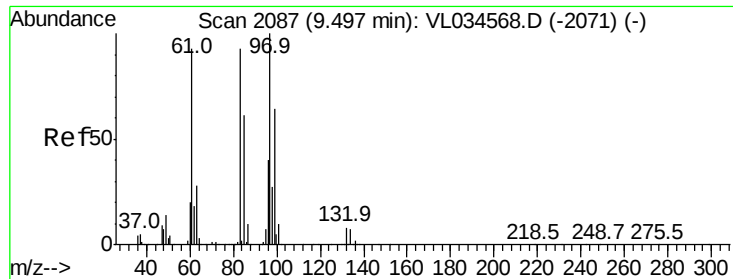


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



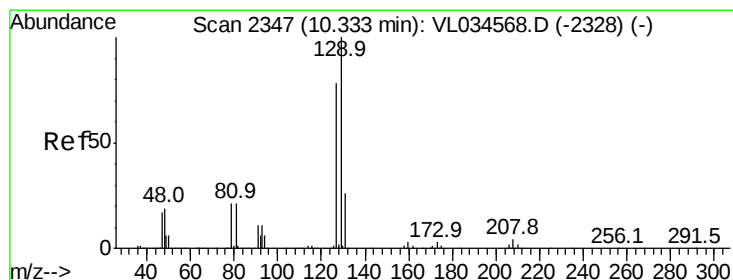
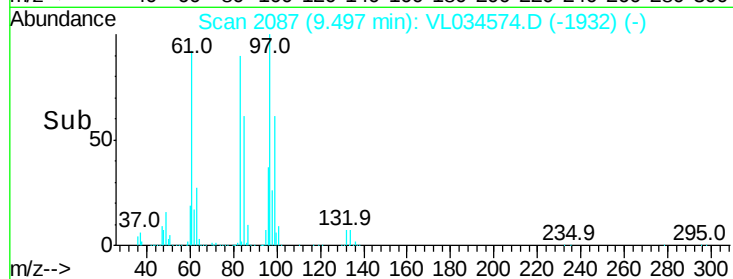
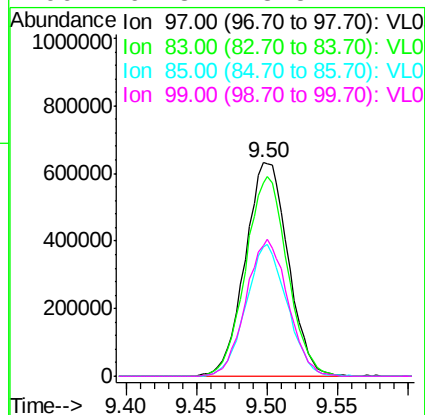
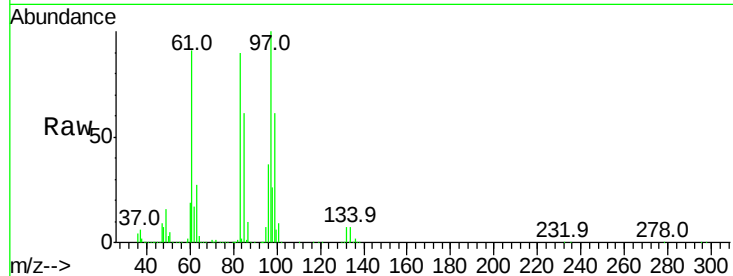


#47
 1,1,2-Trichloroethane
 Concen: 14.493 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion: 97 Resp: 1350879

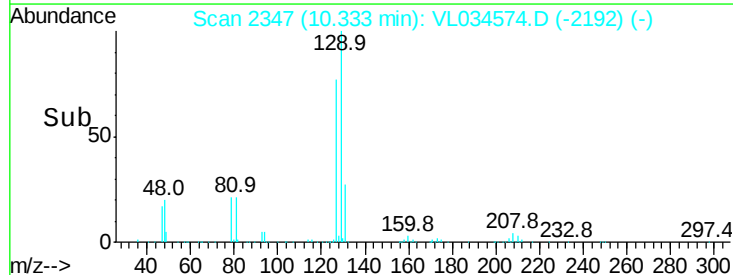
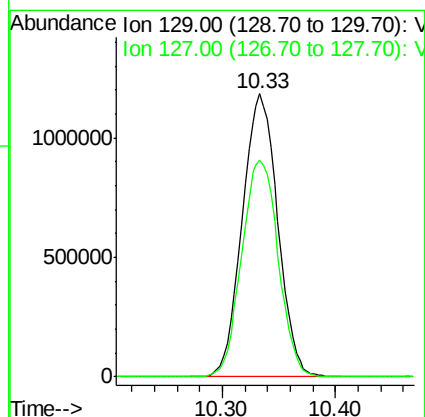
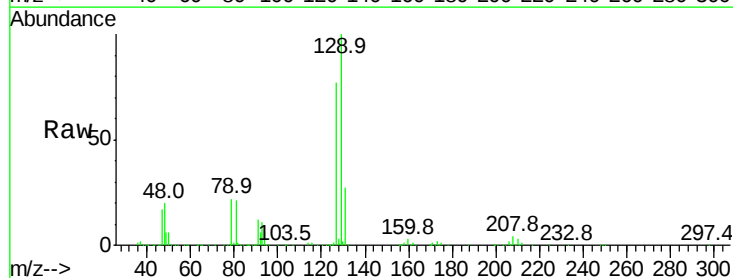
Ion	Ratio	Lower	Upper
97	100		
83	90.3	75.0	112.4
85	60.5	48.2	72.4
99	61.3	48.5	72.7

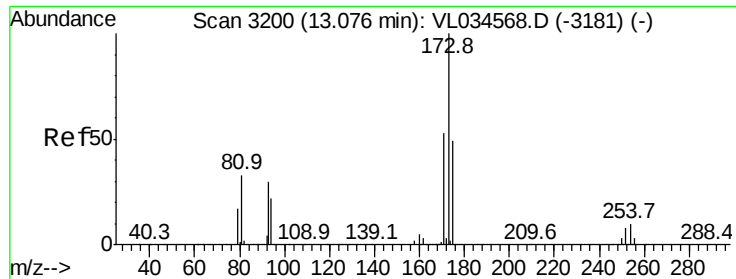


#48
 Dibromochloromethane
 Concen: 15.973 ppbv
 RT: 10.33 min Scan# 2347
 Delta R.T. -0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Tgt Ion: 129 Resp: 2580963

Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.4	118.2





#49

Bromoform

Concen: 16.114 ppbv

RT: 13.08 min Scan# 3202

Delta R.T. 0.01 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

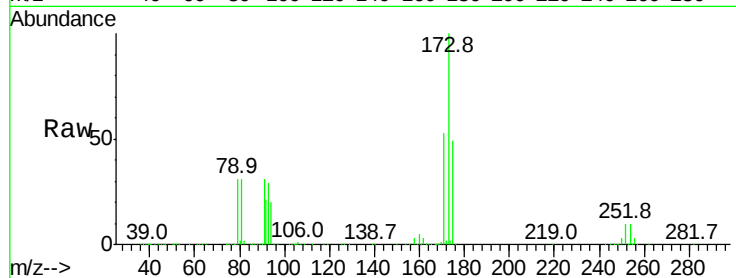
Tgt Ion:173 Resp: 2357213

Ion Ratio Lower Upper

173 100

175 49.7 39.8 59.8

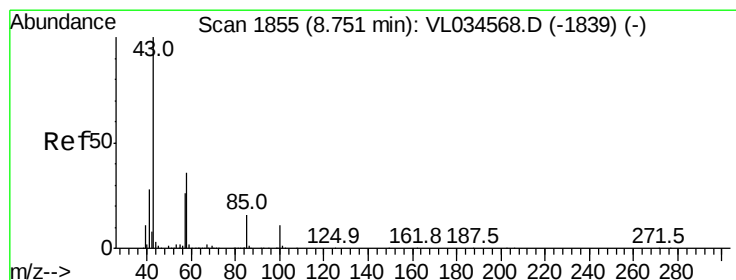
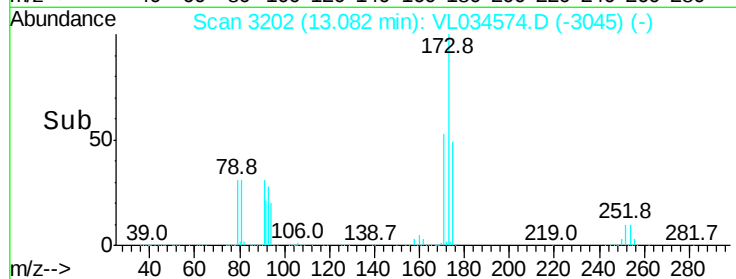
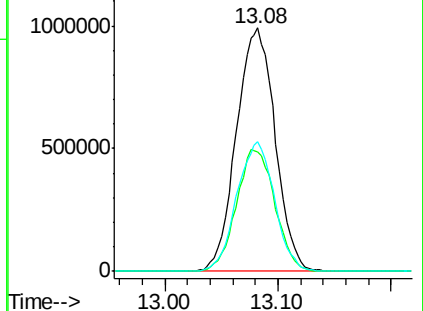
171 51.8 42.1 63.1



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: 14.520 ppbv

RT: 8.75 min Scan# 1856

Delta R.T. 0.00 min

Lab File: VL034574.D

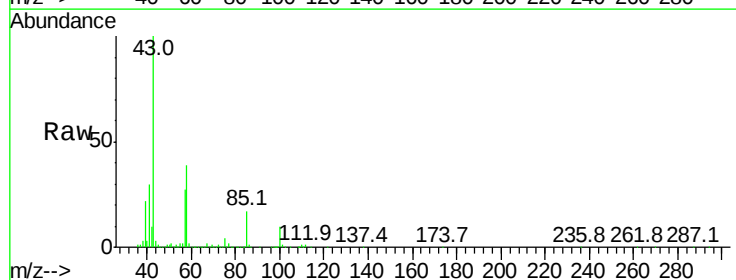
Acq: 30 Jan 2020 15:57

Tgt Ion: 43 Resp: 3553286

Ion Ratio Lower Upper

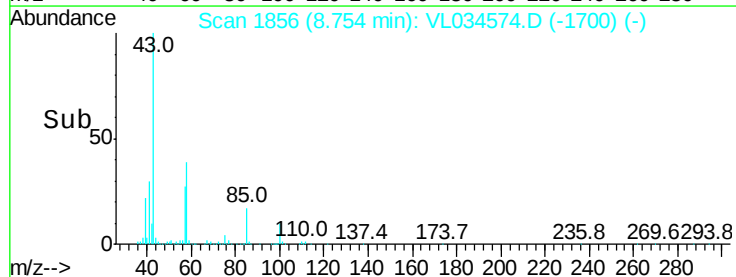
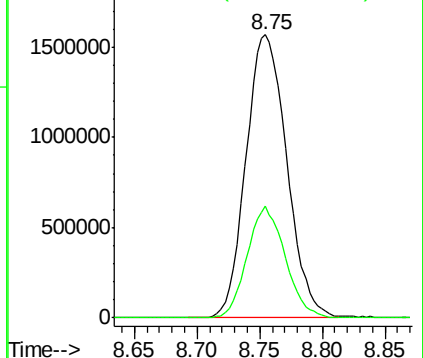
43 100

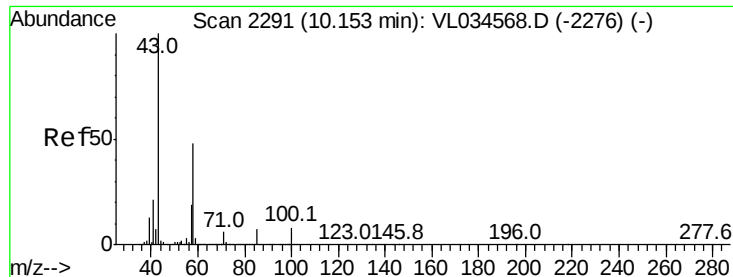
58 36.8 28.2 42.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

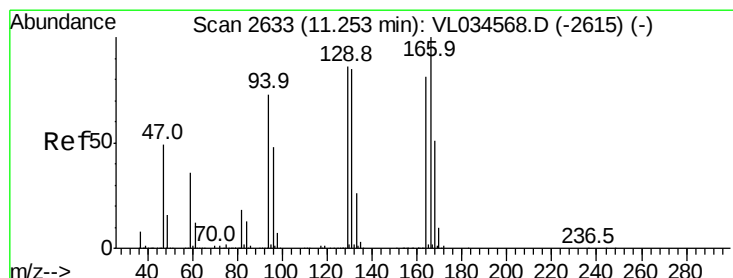
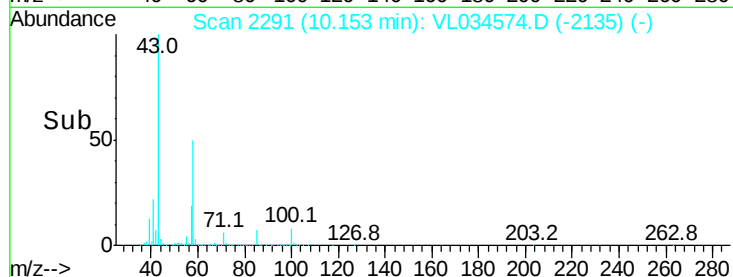
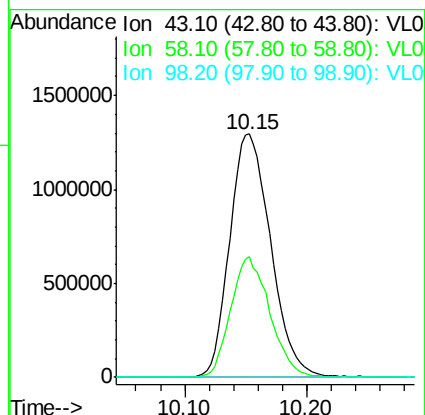
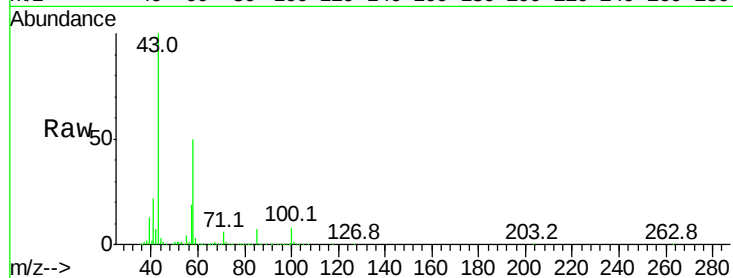




#51
2-Hexanone
Concen: 15.299 ppbv
RT: 10.15 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

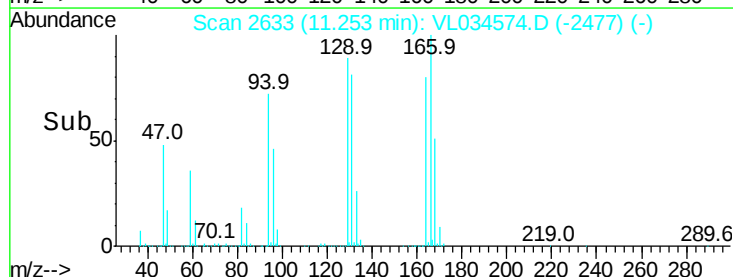
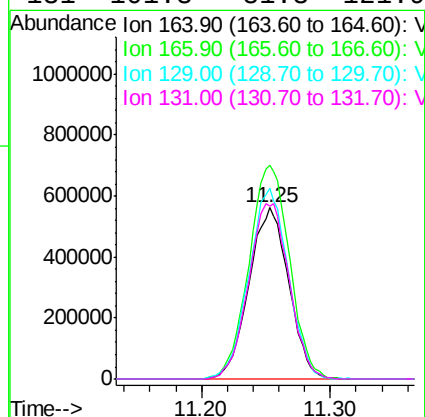
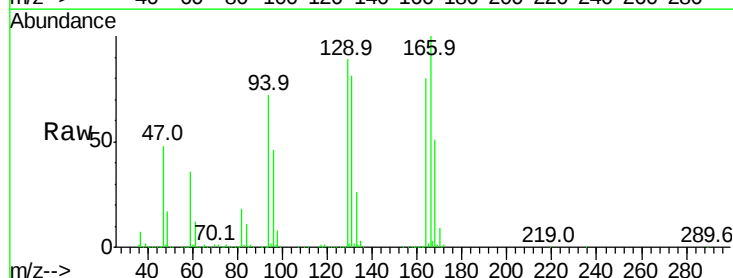
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

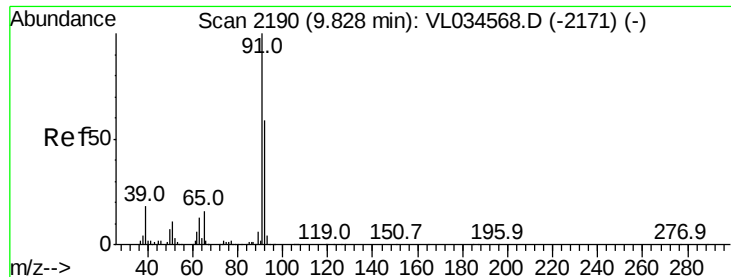
Tgt Ion: 43 Resp: 3022065
Ion Ratio Lower Upper
43 100
58 47.2 37.4 56.0
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 15.038 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 164 Resp: 1206812
Ion Ratio Lower Upper
164 100
166 124.8 95.7 143.5
129 111.6 82.2 123.2
131 101.3 81.3 121.9





#53

Toluene

Concen: 15.565 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

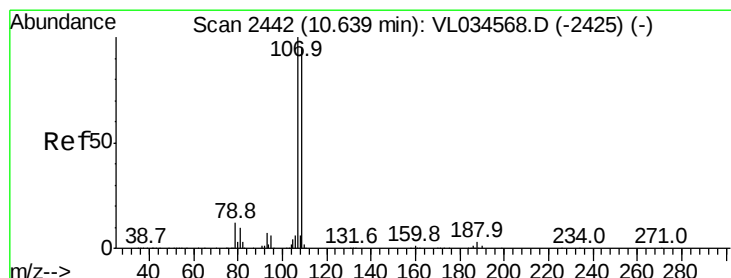
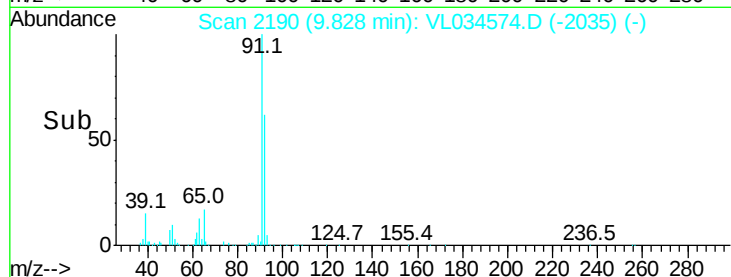
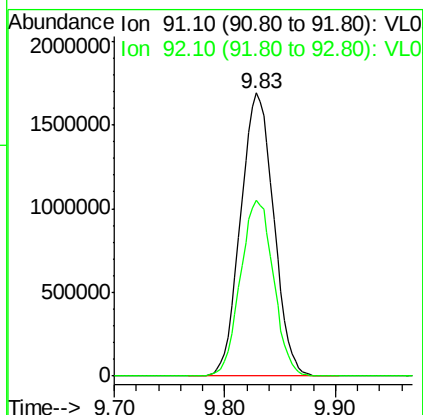
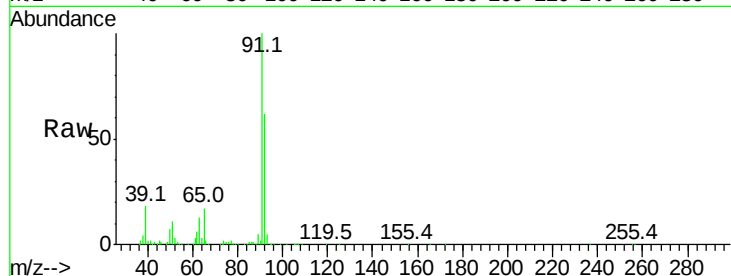
VSTDIC015

Tgt Ion: 91 Resp: 3516540

Ion Ratio Lower Upper

91 100

92 61.9 48.4 72.6



#54

1,2-Dibromoethane

Concen: 15.095 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL034574.D

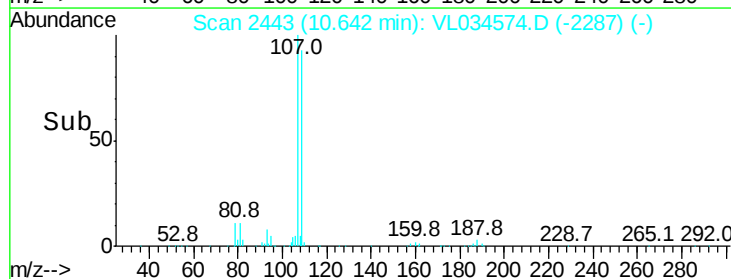
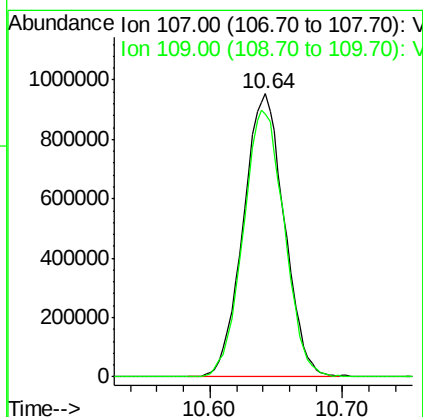
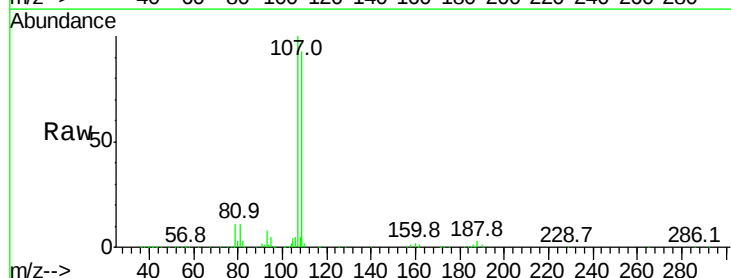
Acq: 30 Jan 2020 15:57

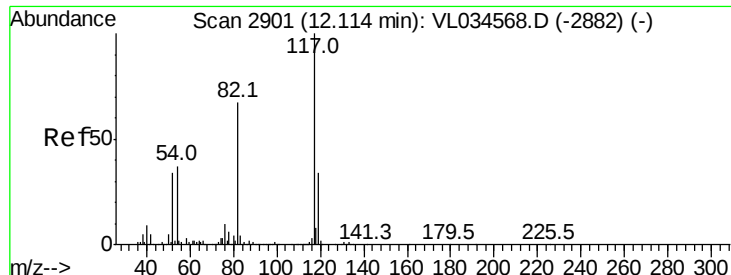
Tgt Ion: 107 Resp: 2047443

Ion Ratio Lower Upper

107 100

109 92.8 75.5 113.3





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2902

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

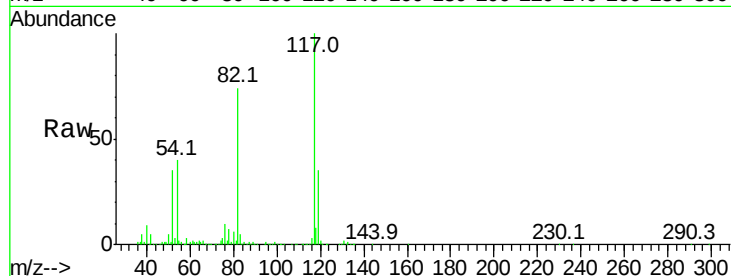
Tgt Ion:117 Resp: 2642384

Ion Ratio Lower Upper

117 100

82 69.1 56.2 84.4

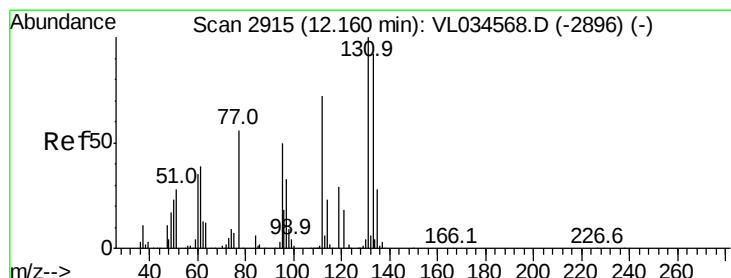
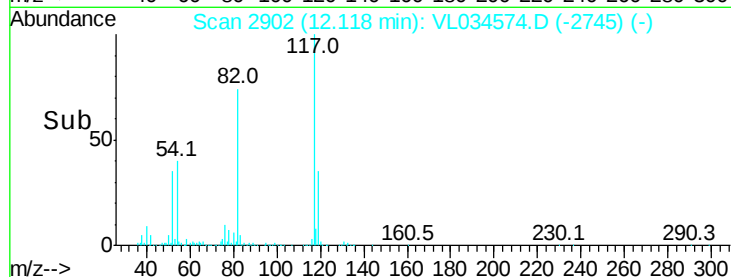
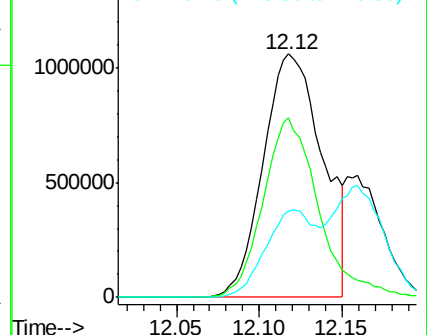
119 26.0 27.1 40.7#



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: 13.403 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

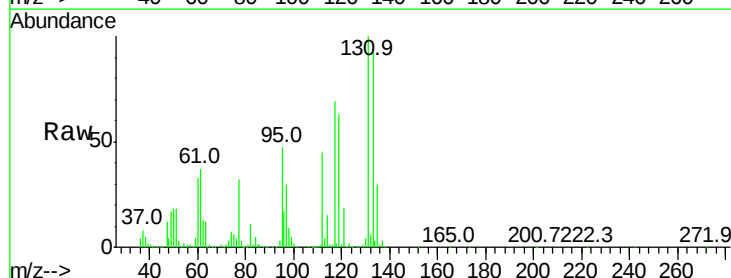
Tgt Ion:131 Resp: 1709652

Ion Ratio Lower Upper

131 100

133 96.1 76.2 114.2

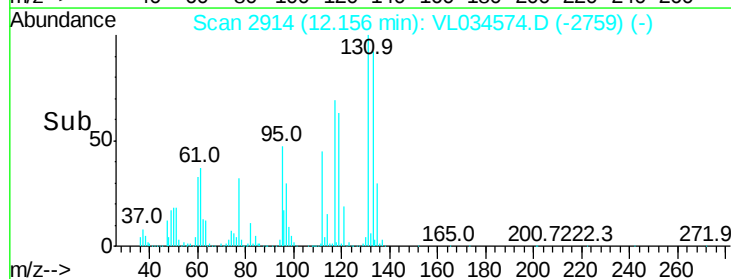
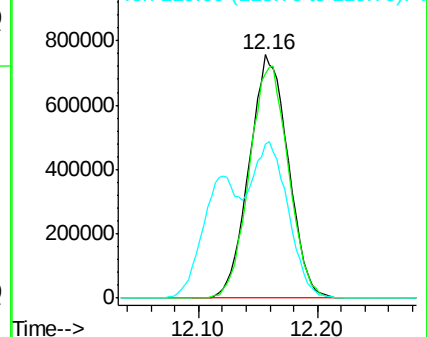
119 64.9 47.1 70.7

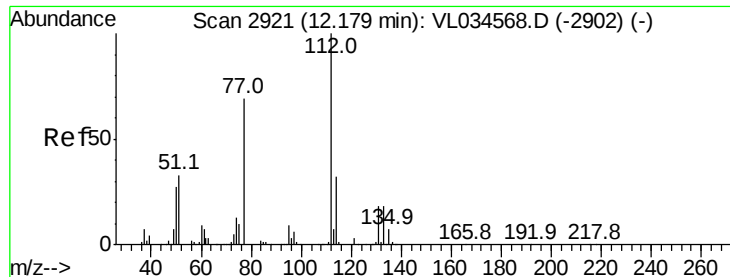


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

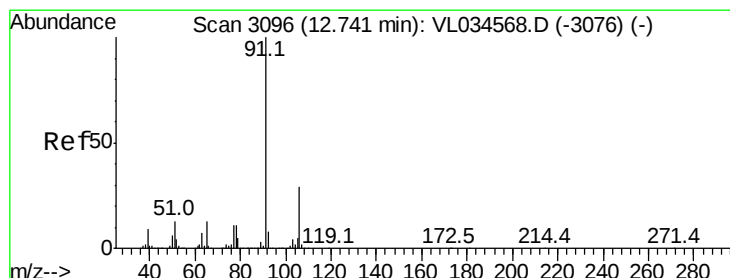
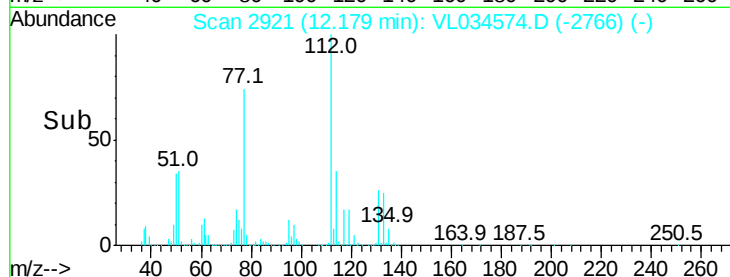
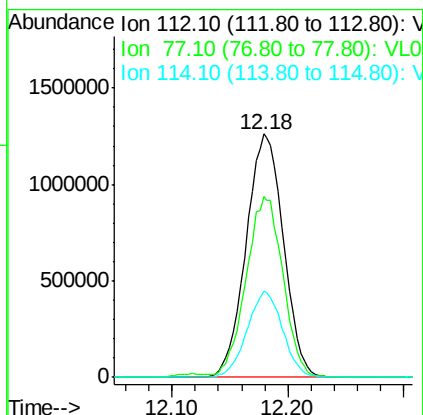
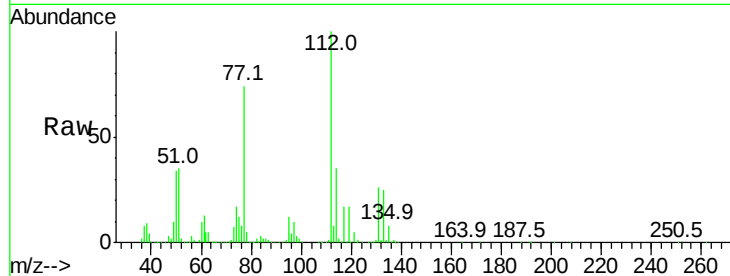




#57
Chlorobenzene
Concen: 12.959 ppbv
RT: 12.18 min Scan# 2921
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

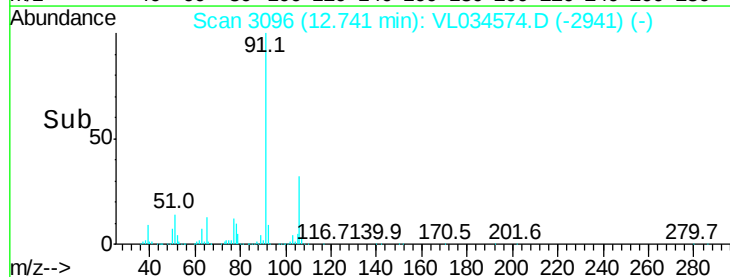
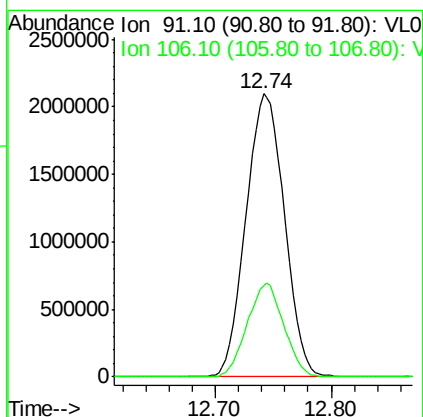
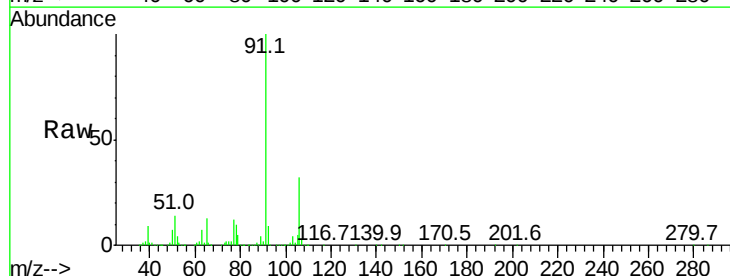
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

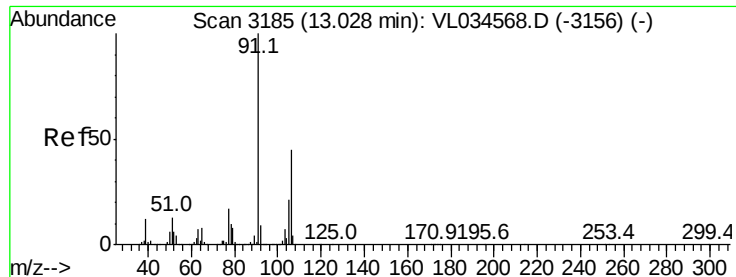
Tgt Ion: 112 Resp: 2825091
Ion Ratio Lower Upper
112 100
77 73.9 57.4 86.0
114 35.3 28.4 34.8#



#58
Ethyl Benzene
Concen: 13.585 ppbv
RT: 12.74 min Scan# 3096
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 91 Resp: 4841034
Ion Ratio Lower Upper
91 100
106 32.3 24.6 36.8

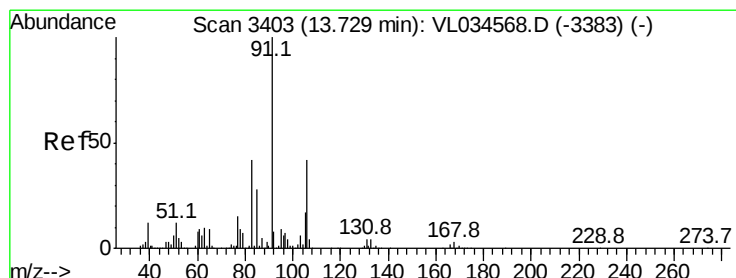
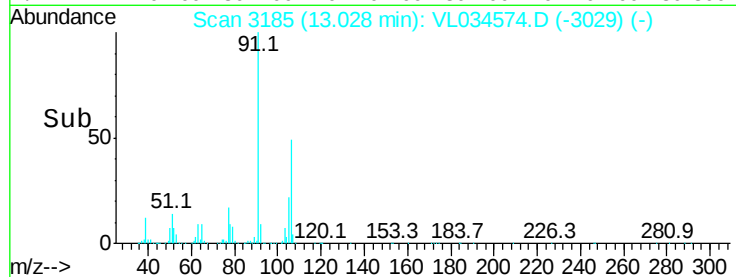
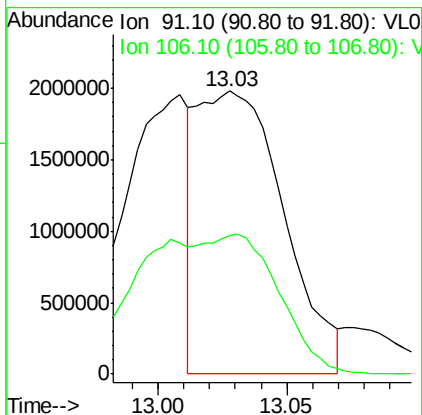
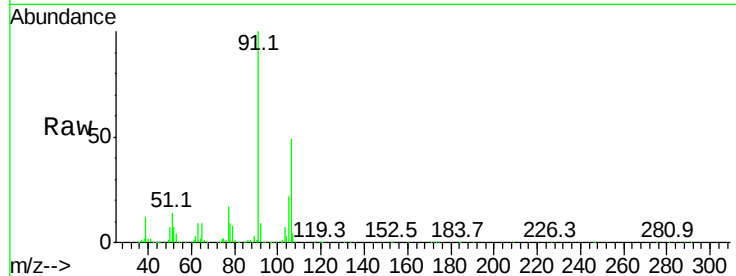




#59
m/p-Xylene
Concen: 14.770 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

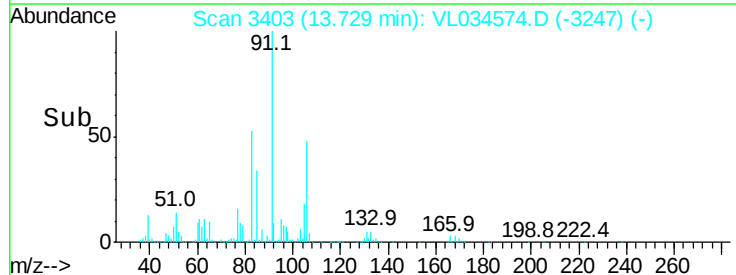
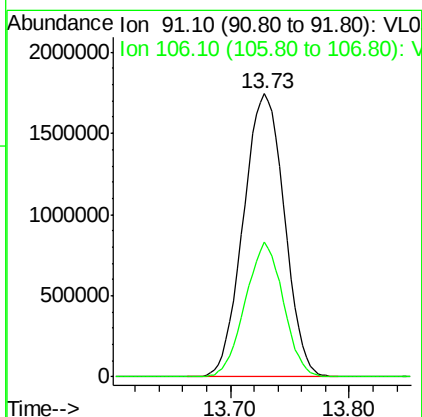
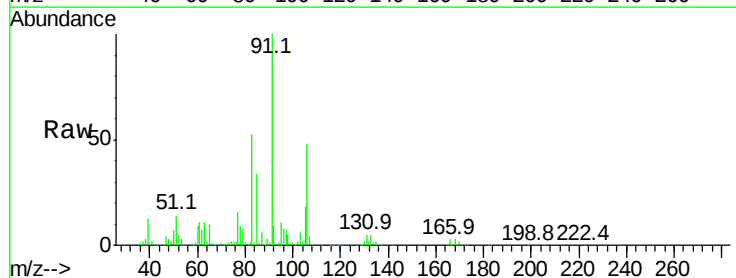
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

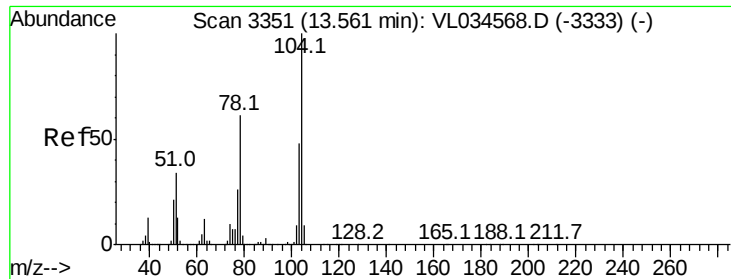
Tgt Ion: 91 Resp: 4602516
Ion Ratio Lower Upper
91 100
106 81.5 35.6 53.4#



#60
o-Xylene
Concen: 13.331 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 91 Resp: 4168438
Ion Ratio Lower Upper
91 100
106 44.0 21.4 64.3





#61

Styrene

Concen: 14.562 ppbv

RT: 13.56 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

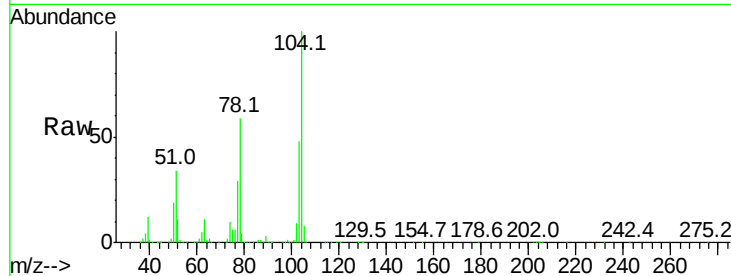
Tgt Ion:104 Resp: 3113286

Ion Ratio Lower Upper

104 100

78 60.1 47.7 71.5

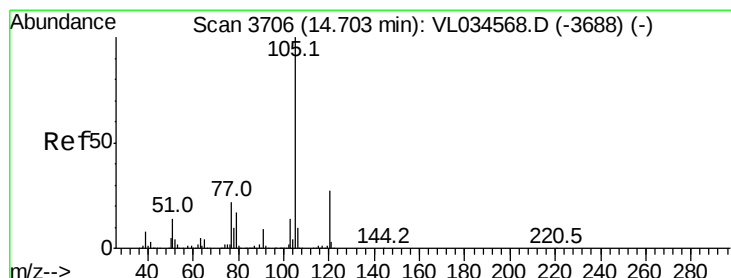
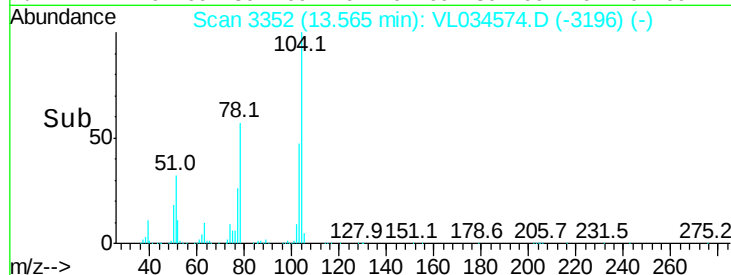
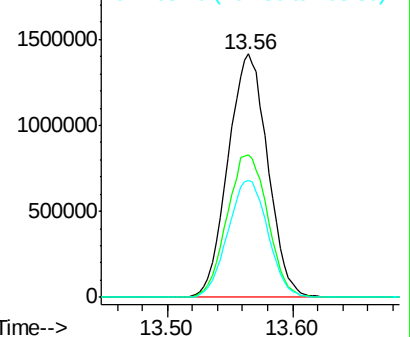
103 48.4 38.6 58.0



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 12.983 ppbv

RT: 14.70 min Scan# 3706

Delta R.T. -0.00 min

Lab File: VL034574.D

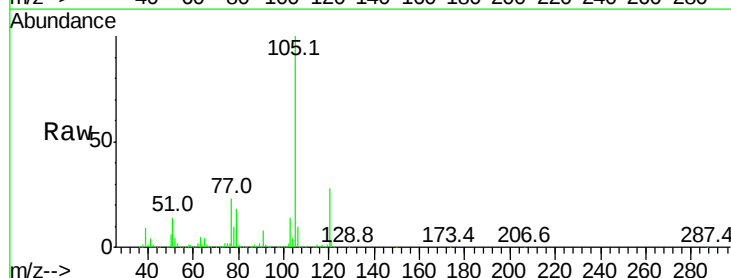
Acq: 30 Jan 2020 15:57

Tgt Ion:105 Resp: 5310581

Ion Ratio Lower Upper

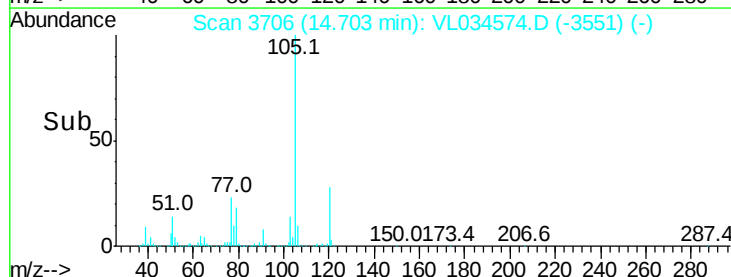
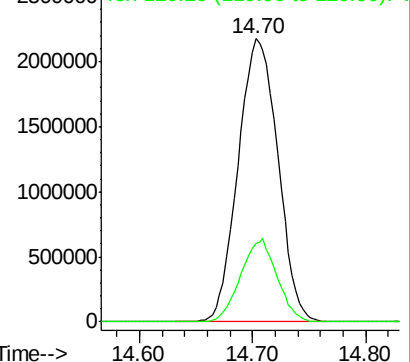
105 100

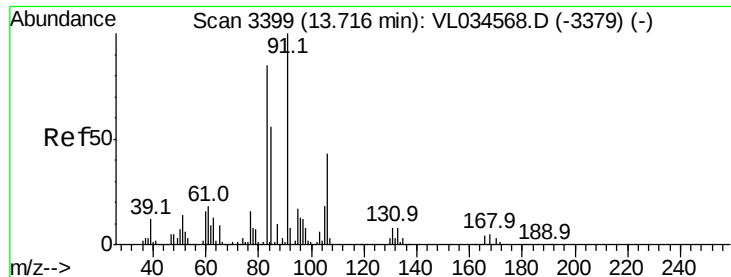
120 26.8 20.6 30.8



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: 11.680 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

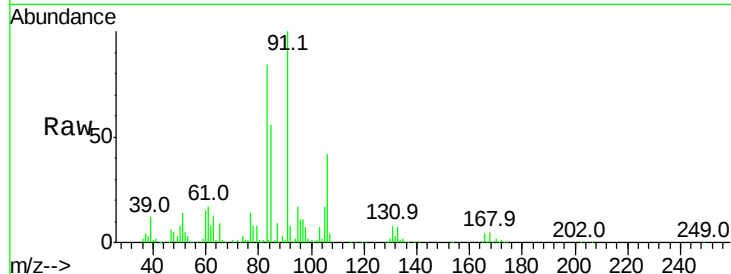
Tgt Ion: 83 Resp: 2929933

Ion Ratio Lower Upper

83 100

131 9.5 4.8 14.4

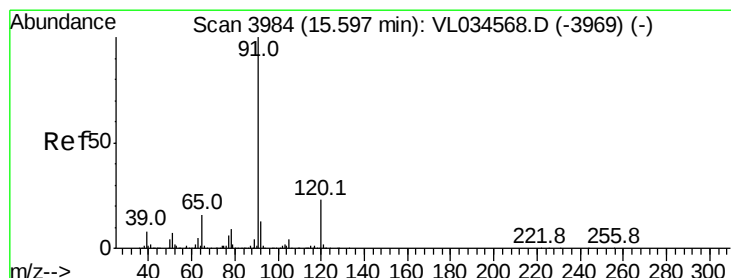
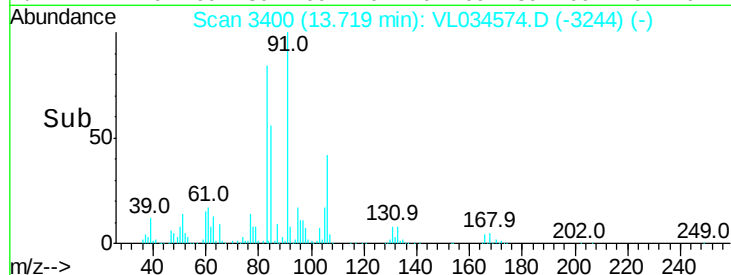
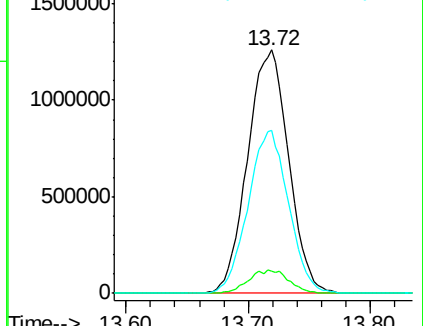
85 65.9 32.5 97.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 14.026 ppbv

RT: 15.60 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VL034574.D

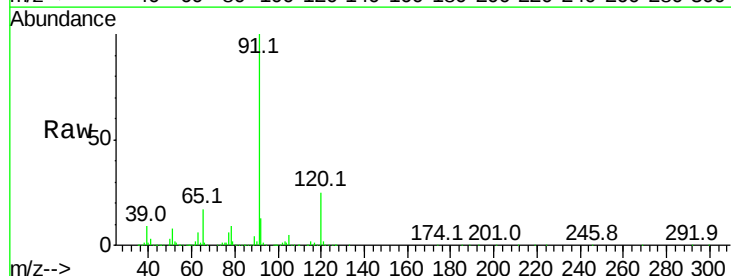
Acq: 30 Jan 2020 15:57

Tgt Ion: 120 Resp: 1464993

Ion Ratio Lower Upper

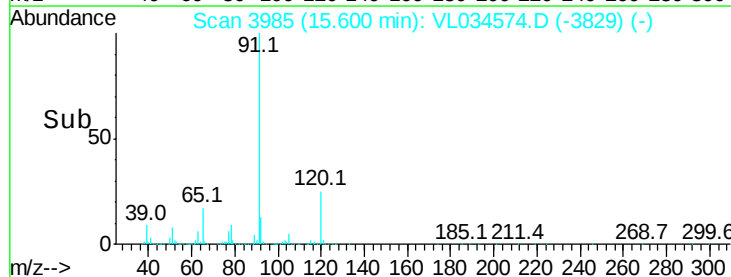
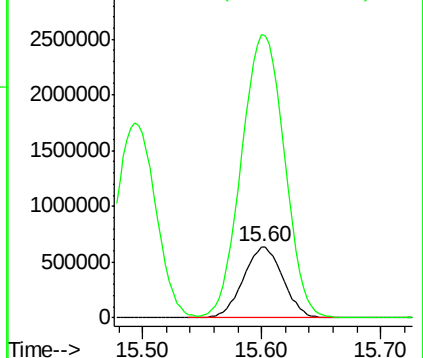
120 100

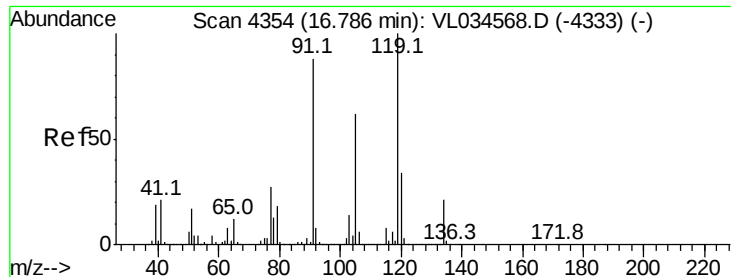
91 434.3 375.6 563.4



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 13.020 ppbv

RT: 16.79 min Scan# 4355

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

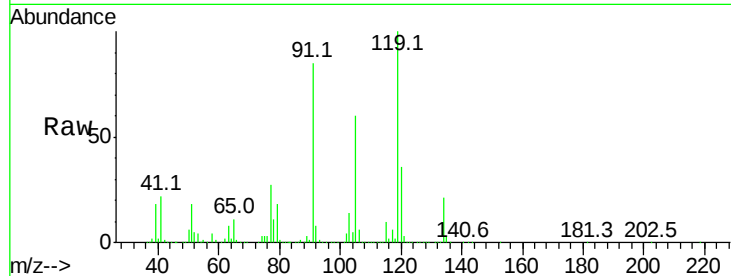
Tgt Ion:119 Resp: 4811330

Ion Ratio Lower Upper

119 100

91 89.3 72.0 108.0

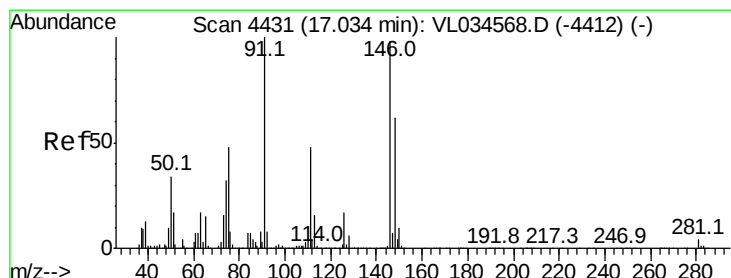
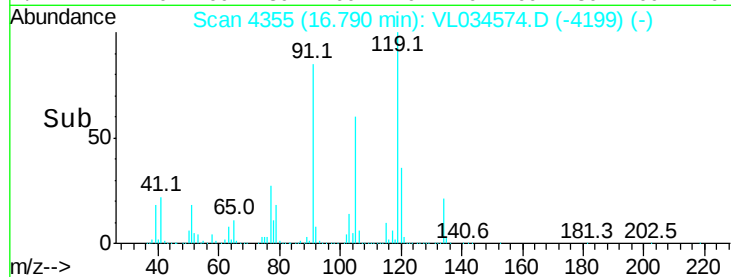
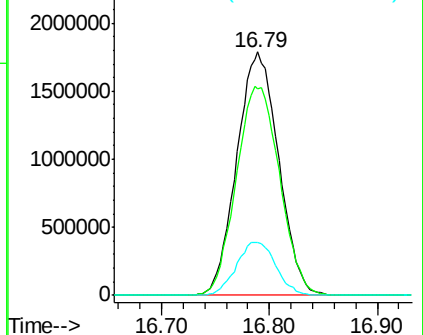
134 20.7 16.1 24.1



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 15.430 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

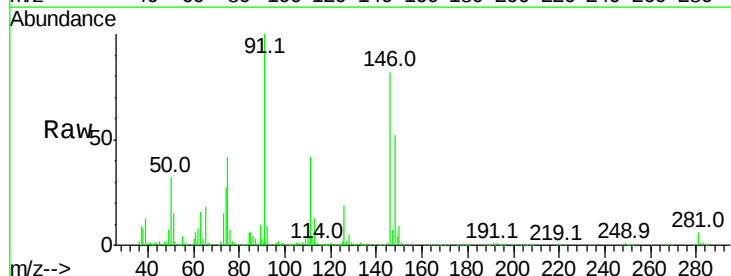
Tgt Ion: 91 Resp: 2498973

Ion Ratio Lower Upper

91 100

126 17.0 13.1 19.7

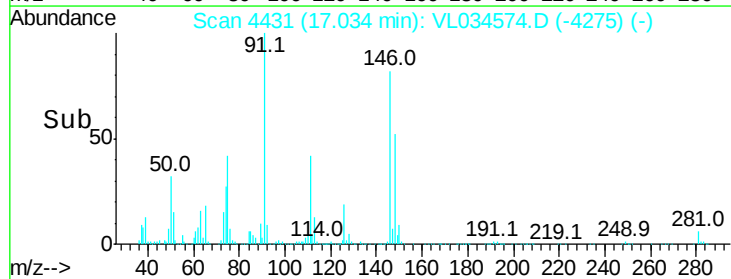
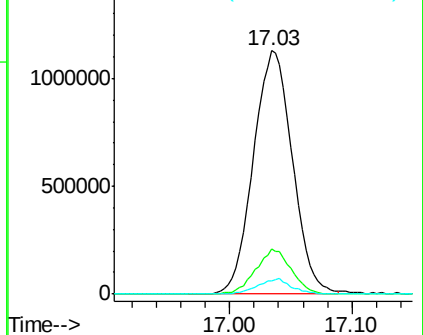
128 5.4 4.2 6.4

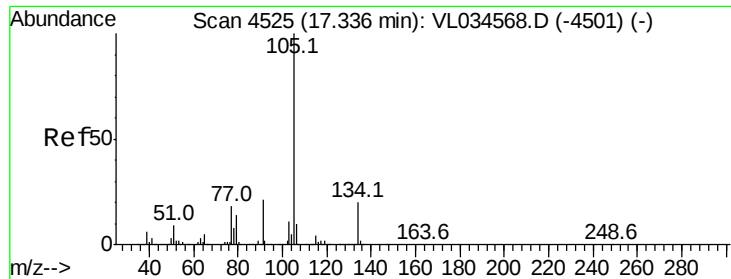


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 12.311 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

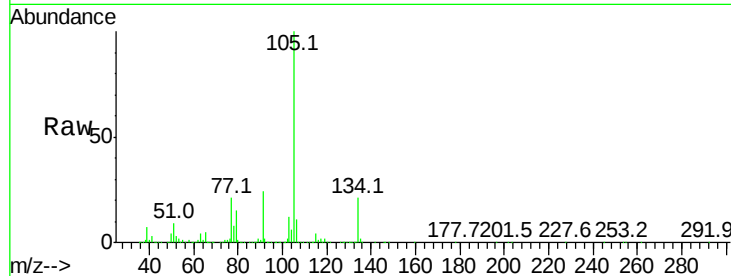
VSTDIC015

Tgt Ion:105 Resp: 6389028

Ion Ratio Lower Upper

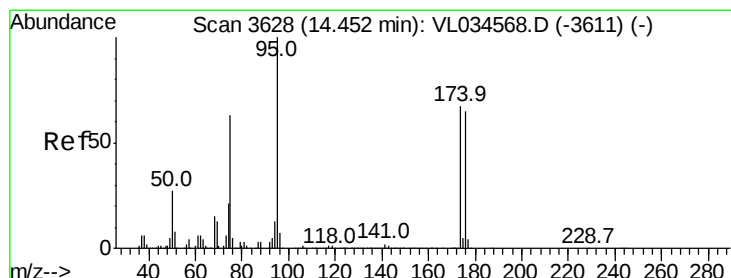
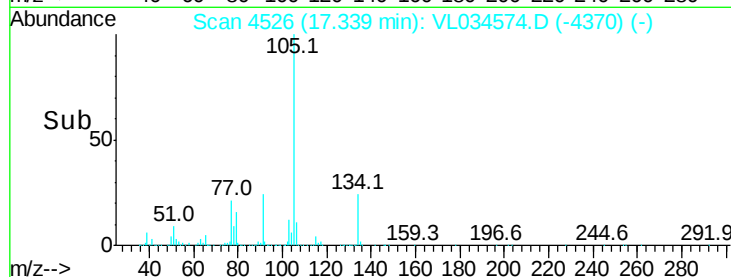
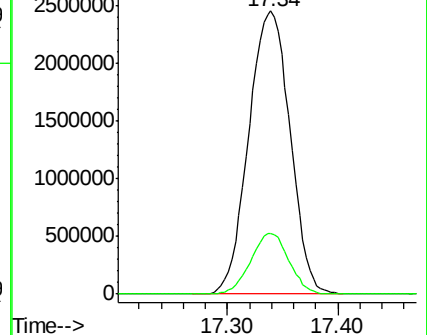
105 100

134 19.9 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.774 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

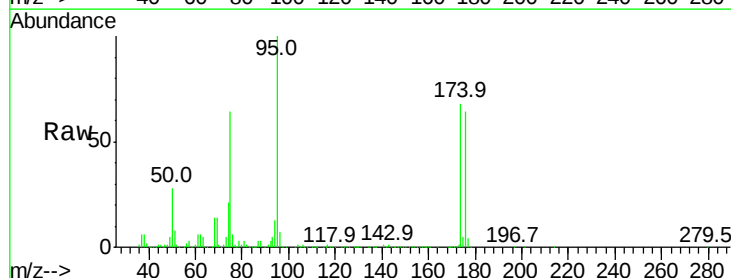
Tgt Ion: 95 Resp: 2155139

Ion Ratio Lower Upper

95 100

174 65.6 52.4 78.6

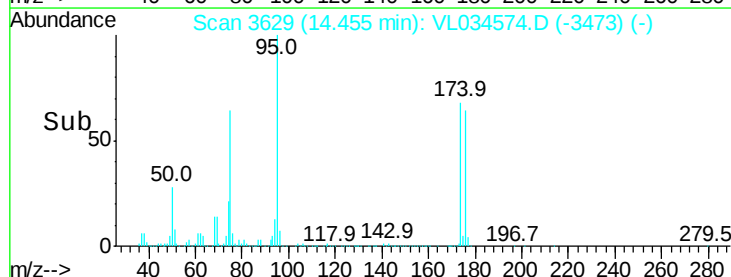
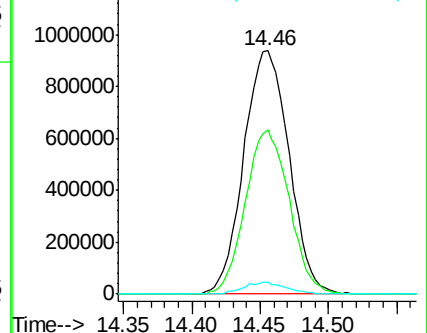
175 4.6 3.9 5.9

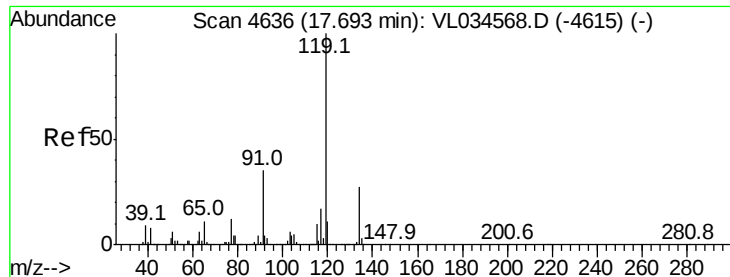


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

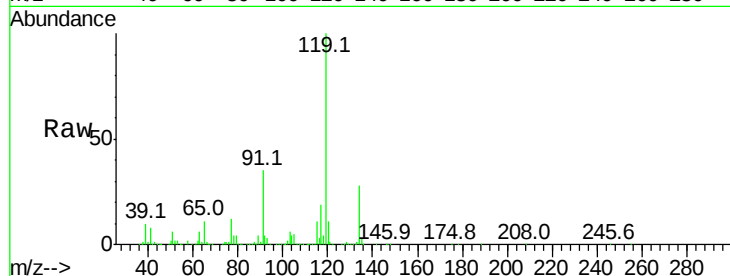




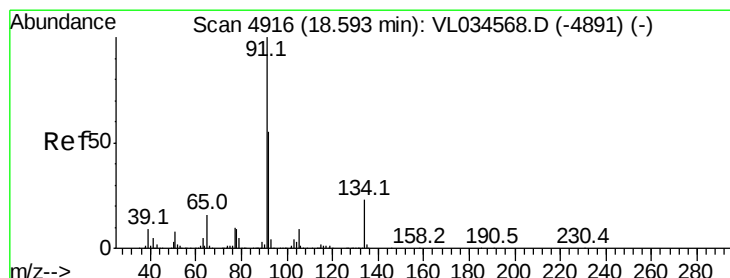
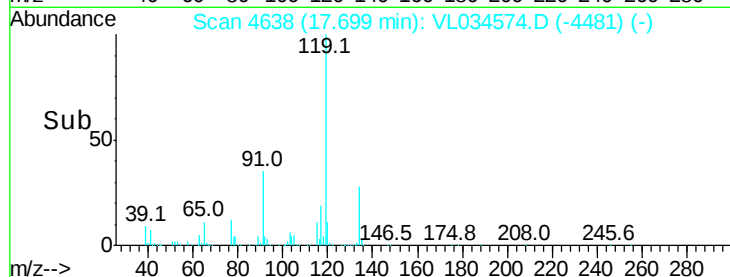
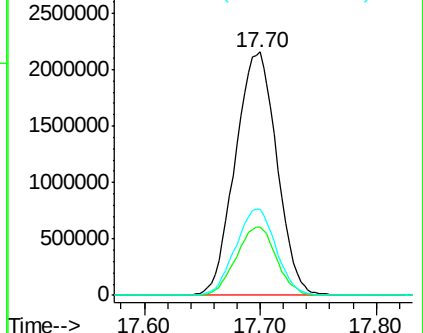
#69
p-Isopropyltoluene
Concen: 12.707 ppbv
RT: 17.70 min Scan# 4638
Delta R.T. 0.01 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC015

Tgt Ion: 119 Resp: 5348385
Ion Ratio Lower Upper
119 100
134 27.2 20.7 31.1
91 34.7 26.6 39.8

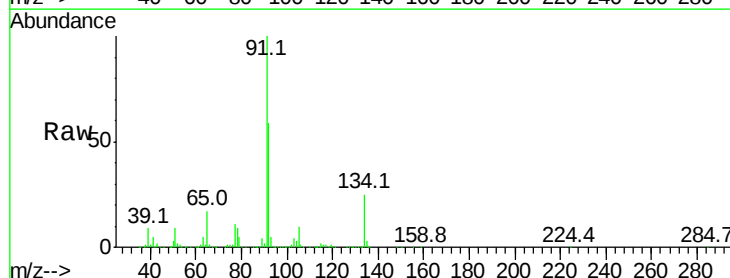


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

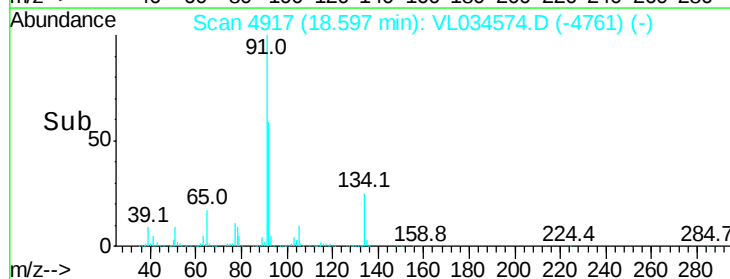
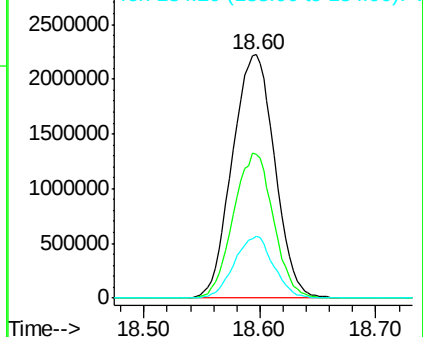


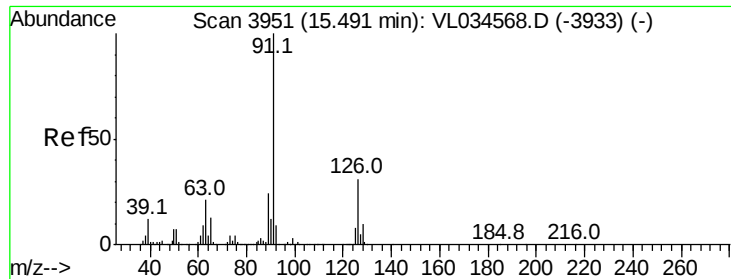
#70
n-Butylbenzene
Concen: 12.371 ppbv
RT: 18.60 min Scan# 4917
Delta R.T. 0.00 min
Lab File: VL034574.D
Acq: 30 Jan 2020 15:57

Tgt Ion: 91 Resp: 5618250
Ion Ratio Lower Upper
91 100
92 56.5 43.8 65.6
134 23.6 18.0 27.0



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

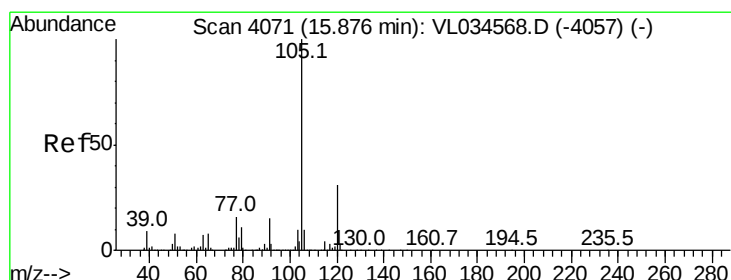
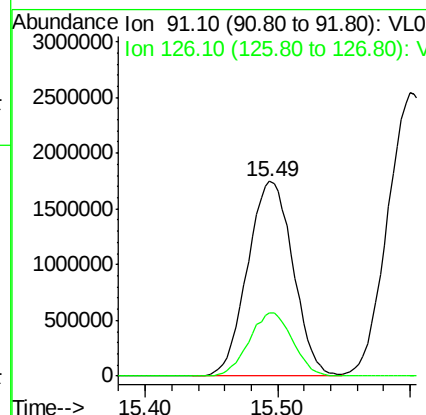
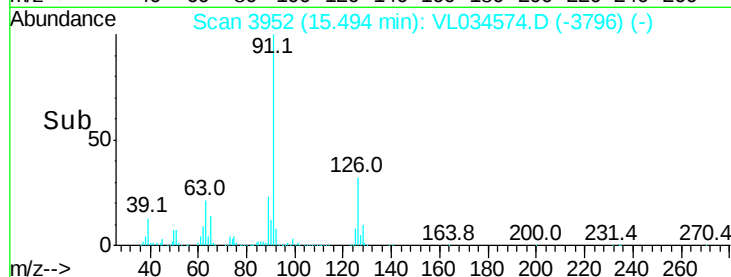
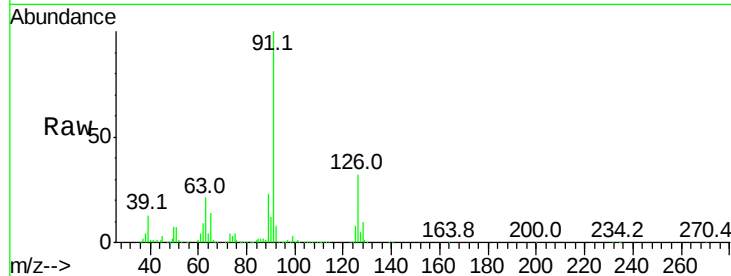




#71
 2-Chlorotoluene
 Concen: 13.140 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

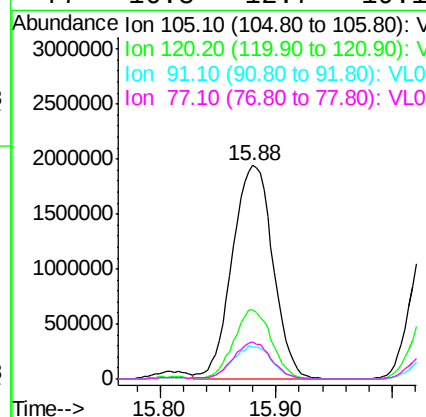
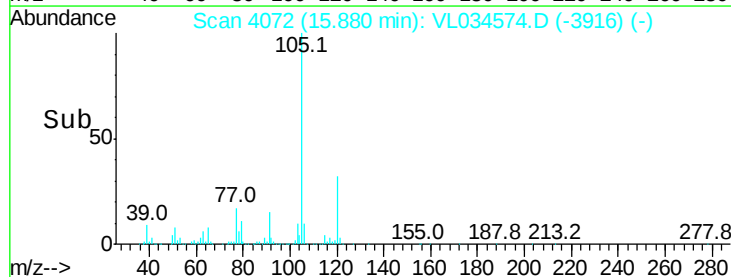
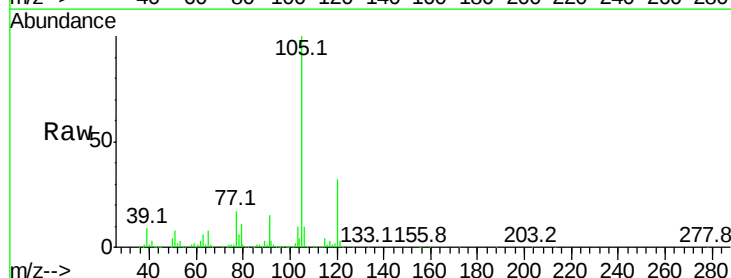
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

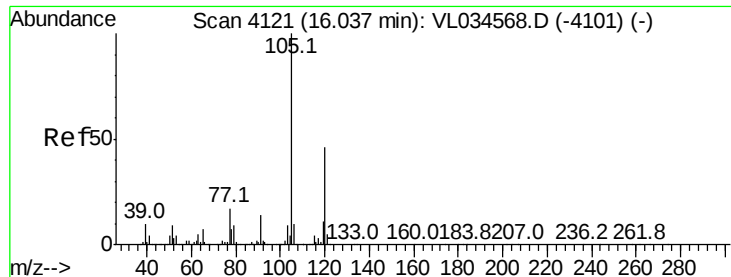
Tgt Ion: 91 Resp: 4173804
 Ion Ratio Lower Upper
 91 100
 126 31.3 12.0 47.8



#72
 4-Ethyltoluene
 Concen: 13.447 ppbv
 RT: 15.88 min Scan# 4072
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Tgt Ion: 105 Resp: 4705254
 Ion Ratio Lower Upper
 105 100
 120 31.4 23.7 35.5
 91 14.8 11.5 17.3
 77 16.8 12.7 19.1

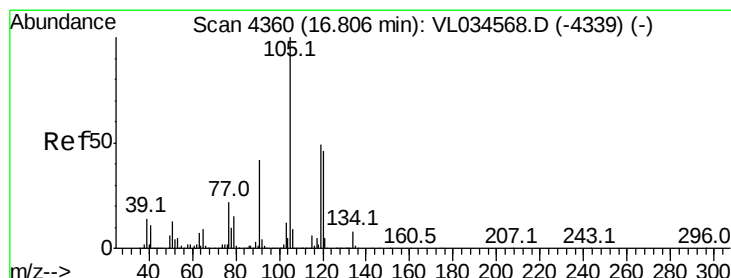
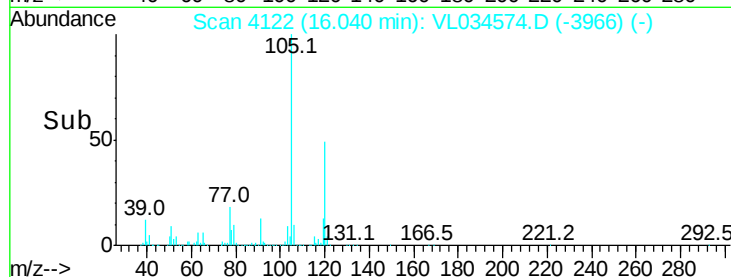
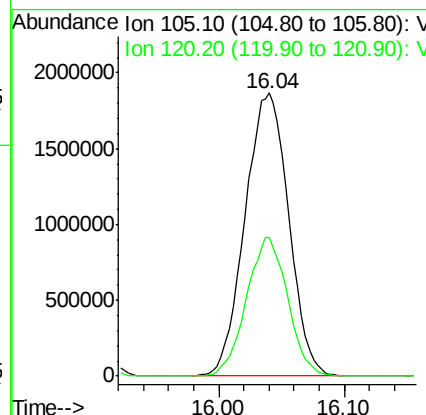
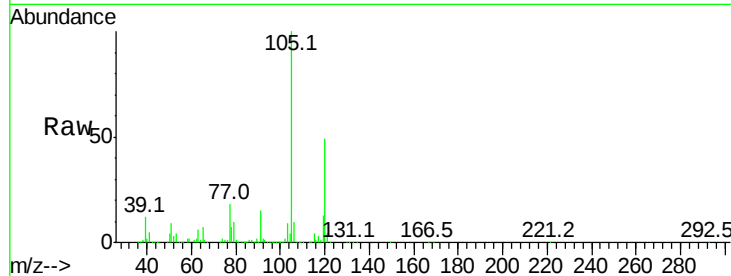




#73
 1,3,5-Trimethylbenzene
 Concen: 13.094 ppbv
 RT: 16.04 min Scan# 4122
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

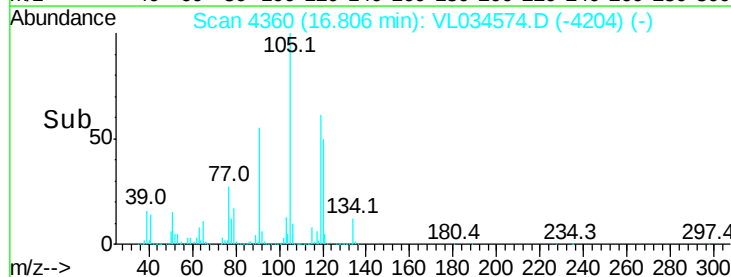
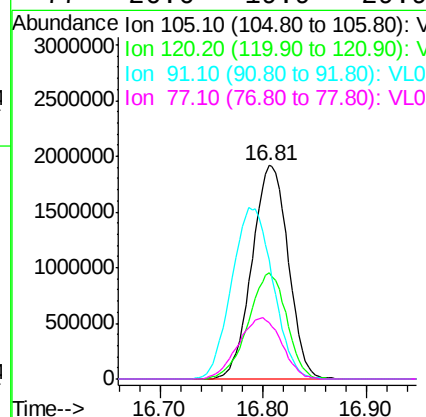
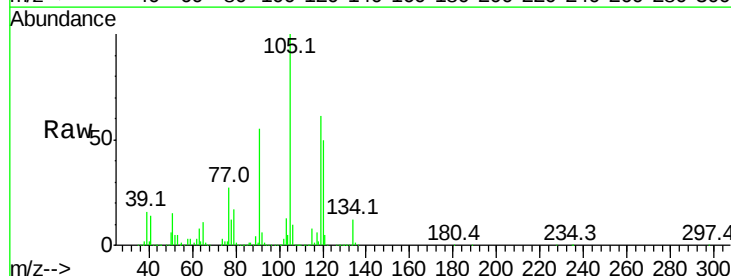
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

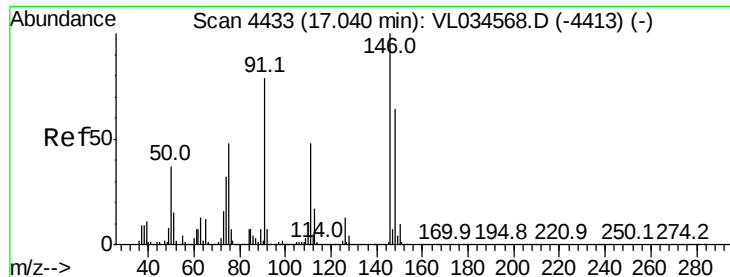
Tgt Ion:105 Resp: 4495109
 Ion Ratio Lower Upper
 105 100
 120 49.0 34.6 52.0



#74
 1,2,4-Trimethylbenzene
 Concen: 12.710 ppbv
 RT: 16.81 min Scan# 4360
 Delta R.T. -0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Tgt Ion:105 Resp: 4667506
 Ion Ratio Lower Upper
 105 100
 120 49.8 36.7 55.1
 91 55.4 44.0 66.0
 77 26.6 19.9 29.9





#75

1,3-Dichlorobenzene

Concen: 12.266 ppbv

RT: 17.04 min Scan# 4434

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

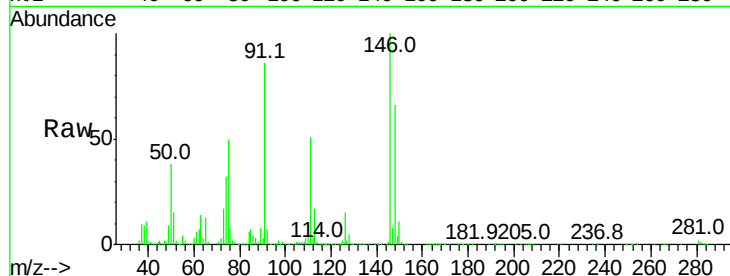
Tgt Ion:146 Resp: 2698035

Ion Ratio Lower Upper

146 100

111 49.7 25.1 75.3

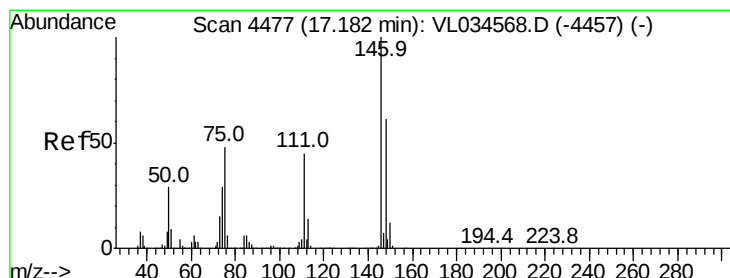
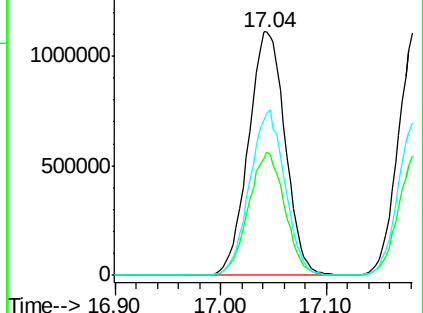
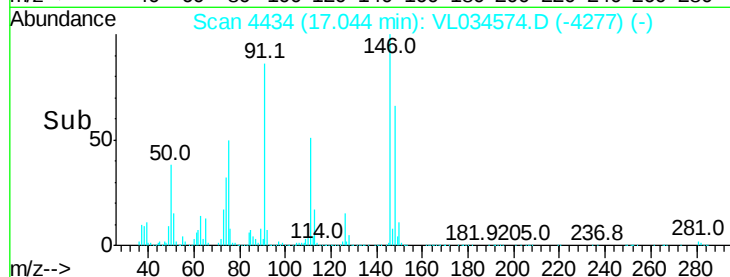
148 64.9 33.0 99.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 12.606 ppbv

RT: 17.18 min Scan# 4478

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

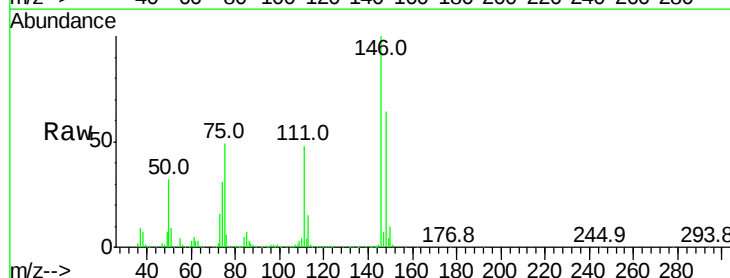
Tgt Ion:146 Resp: 2669599

Ion Ratio Lower Upper

146 100

111 48.7 23.5 70.6

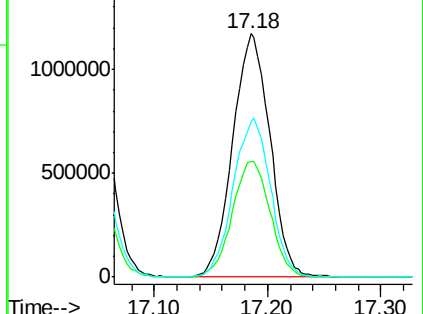
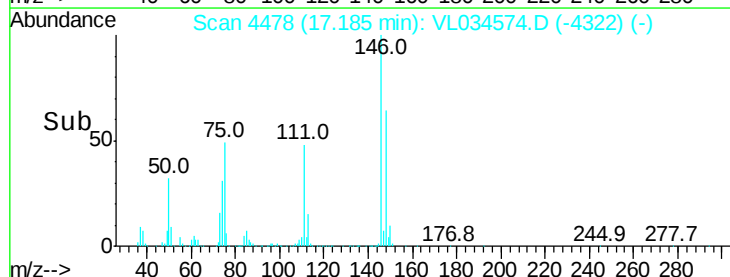
148 65.9 32.1 96.3

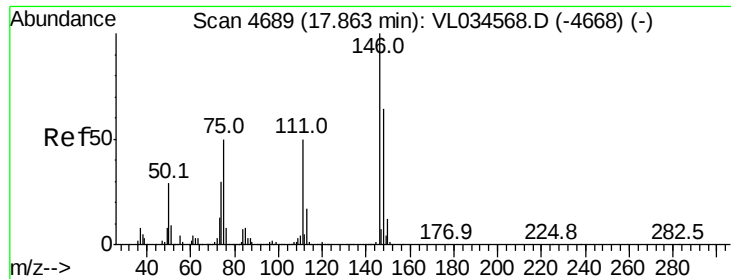


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

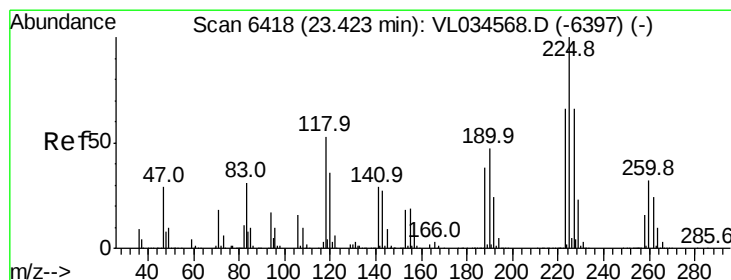
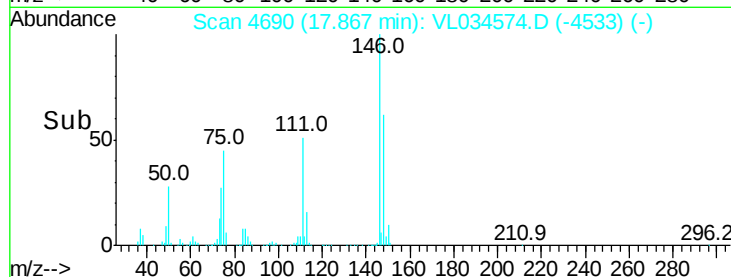
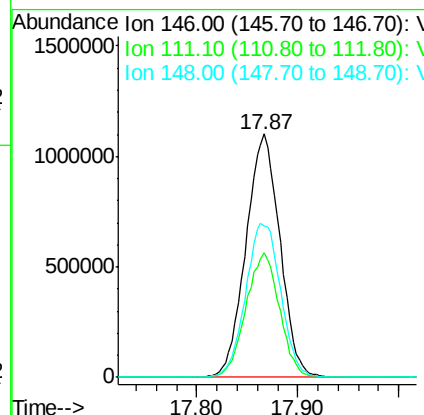
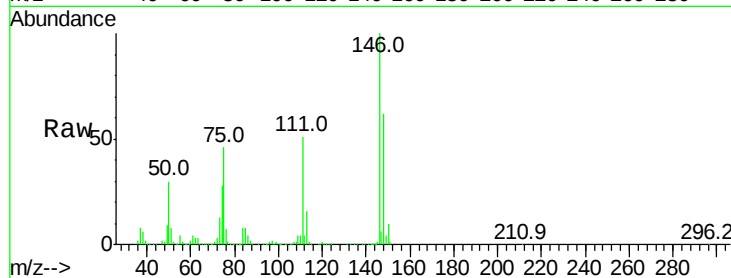




#77
 1,2-Dichlorobenzene
 Concen: 12.446 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

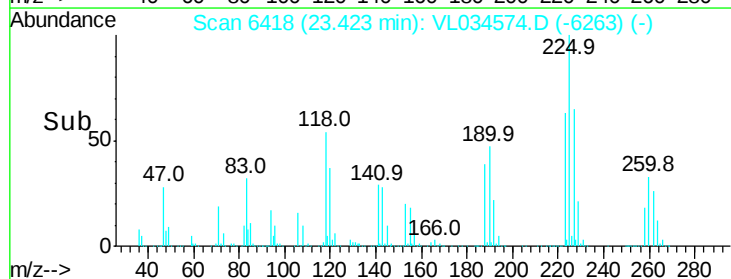
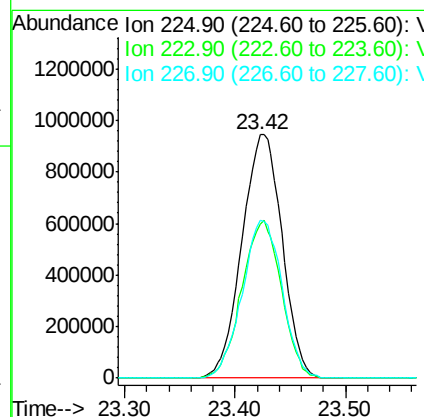
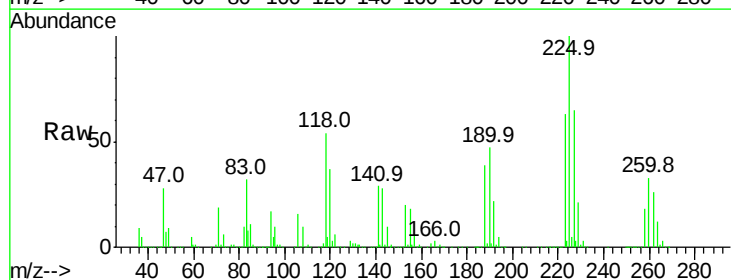
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

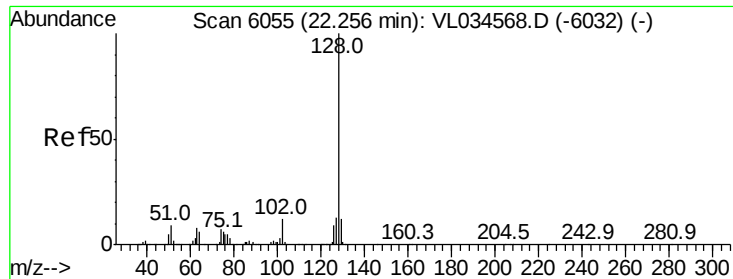
Tgt Ion:146 Resp: 2572704
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.3 75.8
 148 65.0 32.1 96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 12.155 ppbv
 RT: 23.42 min Scan# 6418
 Delta R.T. -0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Tgt Ion:225 Resp: 2385012
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.0 76.6
 227 64.4 51.8 77.6





#79

Naphthalene

Concen: 14.927 ppbv

RT: 22.27 min Scan# 6058

Delta R.T. 0.01 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC015

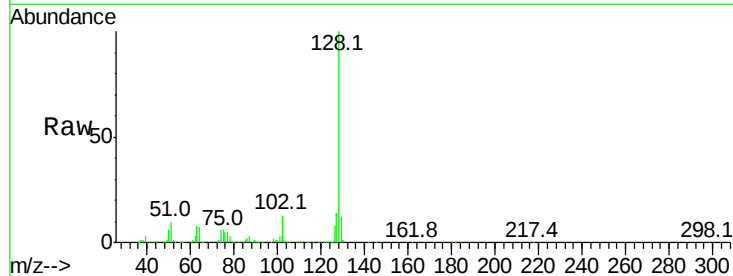
Tgt Ion:128 Resp: 4128962

Ion Ratio Lower Upper

128 100

127 14.4 10.6 15.8

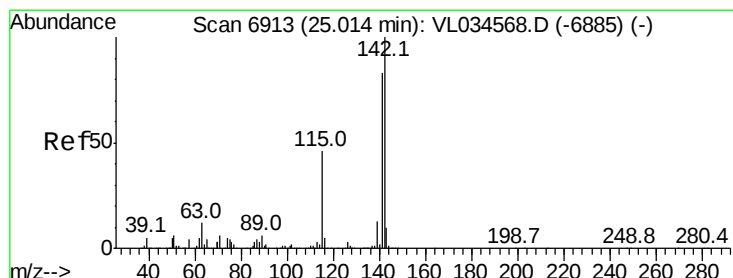
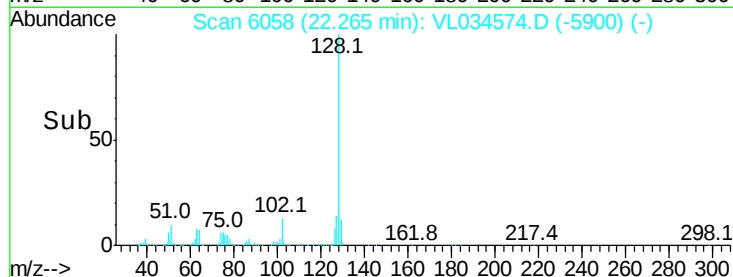
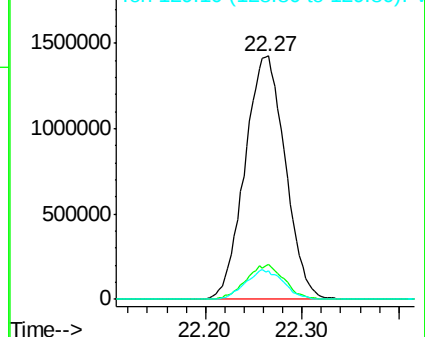
129 11.8 8.7 13.1



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: 27.455 ppbv

RT: 25.02 min Scan# 6914

Delta R.T. 0.00 min

Lab File: VL034574.D

Acq: 30 Jan 2020 15:57

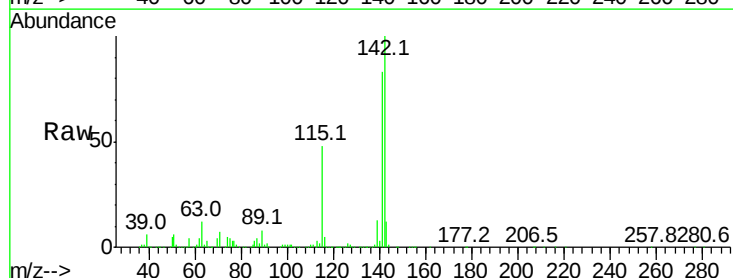
Tgt Ion:142 Resp: 2103684

Ion Ratio Lower Upper

142 100

141 83.9 65.8 98.8

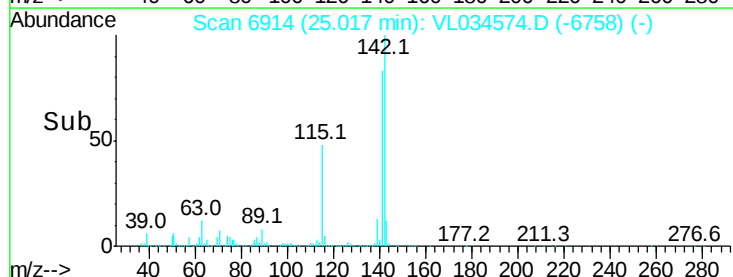
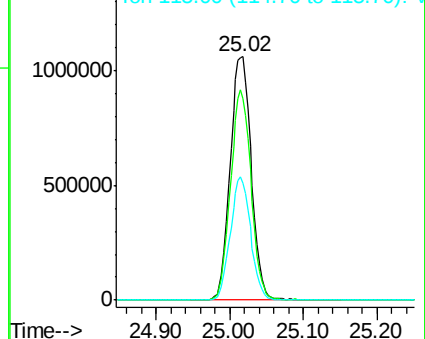
115 48.7 30.4 45.6#

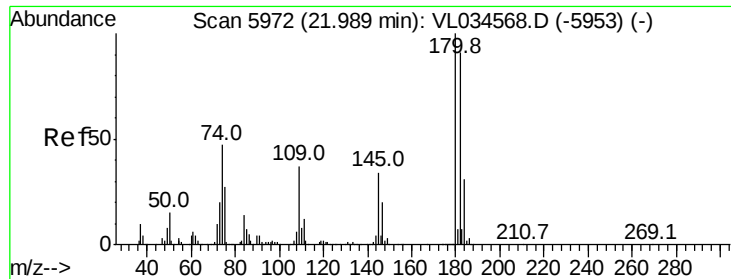


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 13.862 ppbv
 RT: 21.99 min Scan# 5973
 Delta R.T. 0.00 min
 Lab File: VL034574.D
 Acq: 30 Jan 2020 15:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC015

Tgt Ion:180 Resp: 2496508
 Ion Ratio Lower Upper
 180 100
 182 97.0 77.8 116.8
 184 31.5 25.2 37.8

