

Data File : VL034579.D
Acq On : 4 Feb 2020 13:56
Operator : SY/AP
Sample : VL0204ABS01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

Quant Time: Feb 05 05:43:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1156404	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2338807	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.13	117	2562070	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2072131	9.57	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.02	85	2175309	8.541	ppbv	97
3) Chlorodifluoromethane	2.96	51	1300223	9.305	ppbv	99
4) Chloromethane	3.11	50	692913	8.105	ppbv	96
5) Vinyl Chloride	3.23	62	687915	8.424	ppbv	98
6) Bromomethane	3.45	94	405845	9.555	ppbv	97
7) Chloroethane	3.53	64	262885	8.657	ppbv	99
8) Dichlorotetrafluoroethane	3.16	85	1697355	8.526	ppbv	99
9) Propene	2.98	41	467498	8.593	ppbv	98
10) Heptane	8.15	43	1293105	9.444	ppbv	100
11) Trichlorofluoromethane	3.93	101	2004284	8.662	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1337634	8.861	ppbv	99
13) Ethanol	3.58	45	122599	8.413	ppbv	97
14) Bromoethene	3.72	108	521524	8.807	ppbv	99
15) Acetone	3.83	43	1522651	8.959	ppbv	99
16) 1,3-Butadiene	3.30	39	618815	9.169	ppbv	99
17) tert-Butyl alcohol	4.28	59	1094596	8.758	ppbv	100
18) 1,1-Dichloroethene	4.28	96	596319	9.357	ppbv	100
19) Isopropyl Alcohol	3.95	45	848272	8.553	ppbv	99
20) Methylene Chloride	4.33	84	511769	7.908	ppbv	97
21) Allyl Chloride	4.40	41	948514	8.986	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	581234	8.709	ppbv	95
23) Vinyl Acetate	5.07	43	1893660	9.766	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1432851	8.851	ppbv	98
25) Ethyl Acetate	5.68	43	2332786	8.478	ppbv	99
26) Hexane	5.69	57	1016511	8.820	ppbv	97
27) Carbon Disulfide	4.54	76	1467490	9.437	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1853767	9.432	ppbv	99
29) Chloroform	5.76	83	1760935	8.641	ppbv	97
30) Cyclohexane	7.15	84	329983	3.864	ppbv #	1
31) cis-1,2-Dichloroethene	5.56	61	1092055	9.120	ppbv	96
32) 1,1,1-Trichloroethane	6.53	97	1866092	8.528	ppbv	99
34) 2-Butanone	5.24	43	1510928	8.897	ppbv	99
35) Carbon Tetrachloride	7.04	117	1985227	8.878	ppbv	96
36) Benzene	6.91	78	1936988	9.313	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1543676	8.896	ppbv	100
38) Trichloroethene	7.86	130	807158	9.206	ppbv	96
39) 1,2-Dichloropropane	7.64	63	791496	9.180	ppbv	97
40) 1,4-Dioxane	7.85	88	141317	4.264	ppbv #	1
41) Tetrahydrofuran	6.06	42	822300	9.282	ppbv	99
42) Bromodichloromethane	7.82	83	1956248	9.160	ppbv	98
43) Methyl Methacrylate	8.04	69	814910	9.741	ppbv	99

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Jan 30 17:16:44 2020
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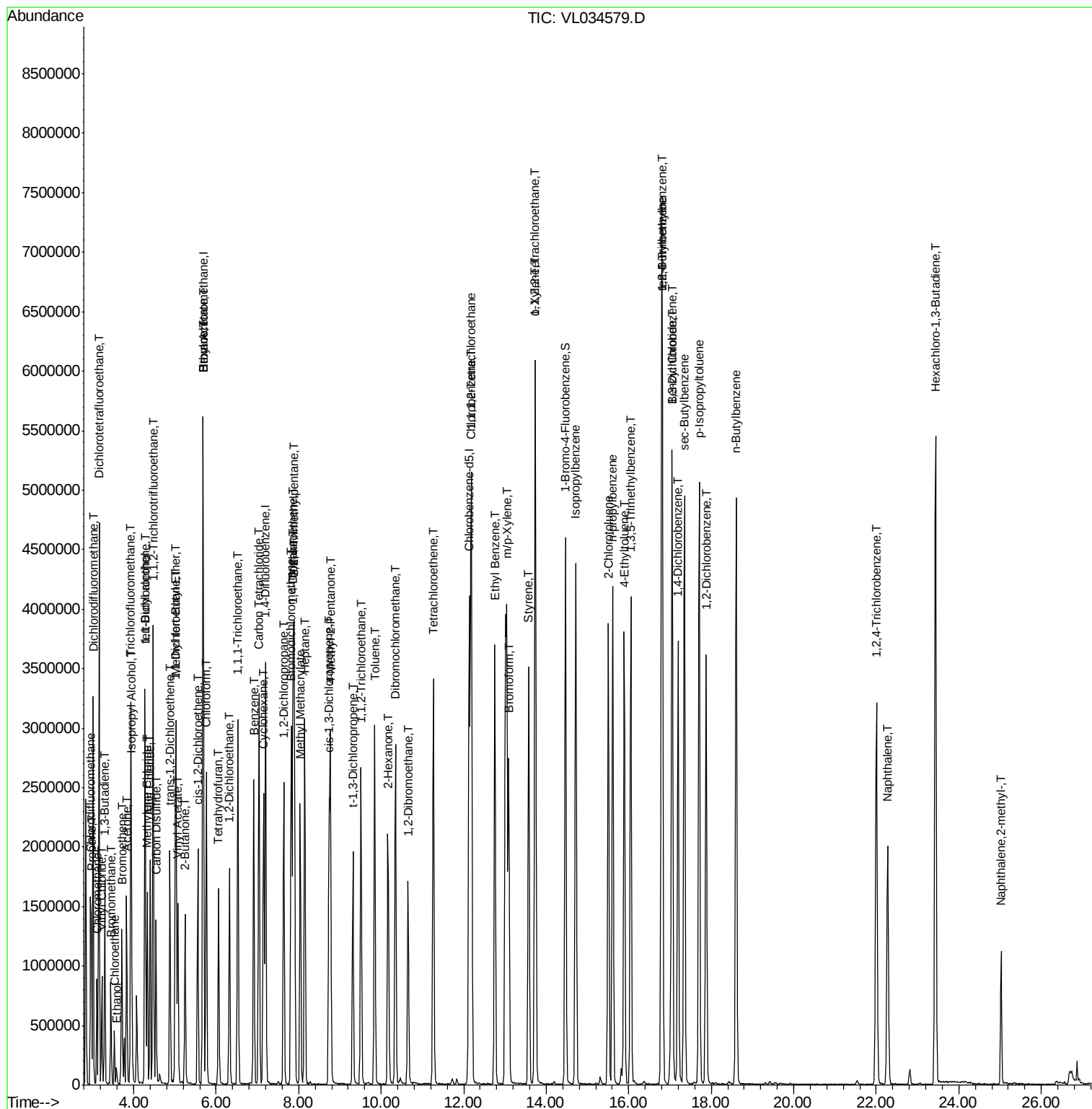
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3468238	9.191	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1106208	10.099	ppbv	96
46) cis-1,3-Dichloropropene	8.74	75	1227346	9.858	ppbv	97
47) 1,1,2-Trichloroethane	9.51	97	859836	9.207	ppbv	98
48) Dibromochloromethane	10.35	129	1663548	9.721	ppbv	100
49) Bromoform	13.10	173	1484051	9.878	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2263728	9.347	ppbv	100
51) 2-Hexanone	10.16	43	1847331	9.690	ppbv	100
52) Tetrachloroethene	11.27	164	763760	9.141	ppbv	98
53) Toluene	9.84	91	2260710	9.894	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1358796	9.710	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	1130067	8.934	ppbv	96
57) Chlorobenzene	12.19	112	1792886	8.504	ppbv	98
58) Ethyl Benzene	12.75	91	3170283	9.247	ppbv	95
59) m/p-Xylene	13.04	91	2499070	8.246	ppbv #	23
60) o-Xylene	13.74	91	2746906	9.025	ppbv	99
61) Styrene	13.57	104	1903174	9.378	ppbv	99
62) Isopropylbenzene	14.72	105	3583412	9.085	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	1961688	8.334	ppbv	99
64) n-propylbenzene	15.61	120	931606	9.181	ppbv	95
65) tert-Butylbenzene	16.80	119	3314456	9.276	ppbv	100
66) Benzyl Chloride	17.05	91	1573975	10.505	ppbv	100
67) sec-Butylbenzene	17.35	105	4516638	9.197	ppbv	99
69) p-Isopropyltoluene	17.71	119	3787017	9.497	ppbv	99
70) n-Butylbenzene	18.61	91	3948106	9.328	ppbv	100
71) 2-Chlorotoluene	15.51	91	2797134	9.343	ppbv	99
72) 4-Ethyltoluene	15.89	105	3060564	9.154	ppbv	100
73) 1,3,5-Trimethylbenzene	16.05	105	3022167	9.251	ppbv	98
74) 1,2,4-Trimethylbenzene	16.82	105	3162334	8.744	ppbv #	88
75) 1,3-Dichlorobenzene	17.06	146	1759631	8.450	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	1746012	8.507	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	1725986	8.628	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1455311	7.608	ppbv	100
79) Naphthalene	22.28	128	2480323	8.711	ppbv	99
80) Naphthalene,2-methyl-	25.02	142	563810	5.147	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1422676	8.105	ppbv	99

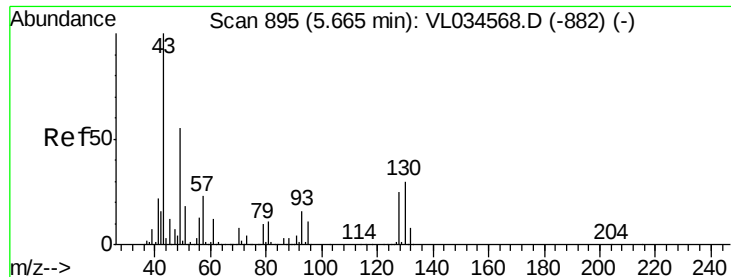
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

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VL0204ABS01

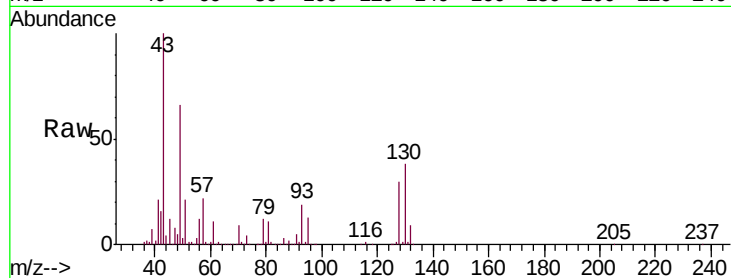
Tgt Ion: 49 Resp: 1156404

Ion Ratio Lower Upper

49 100

128 45.7 22.7 68.1

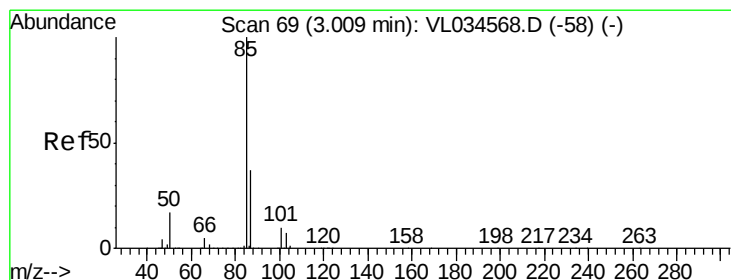
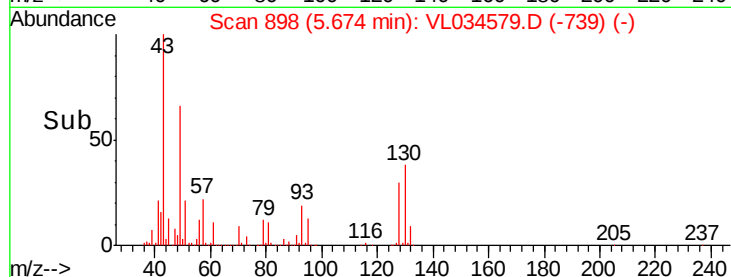
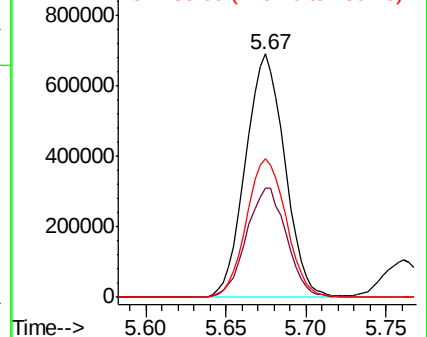
130 58.2 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 8.541 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL034579.D

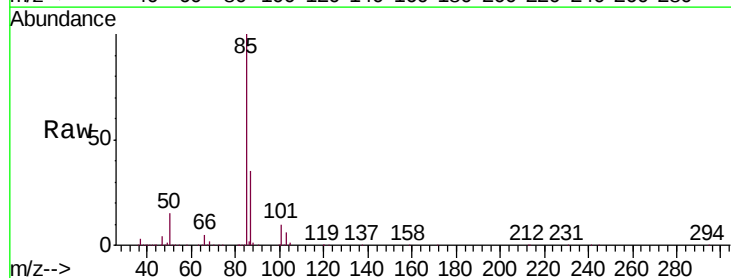
Acq: 4 Feb 2020 13:56

Tgt Ion: 85 Resp: 2175309

Ion Ratio Lower Upper

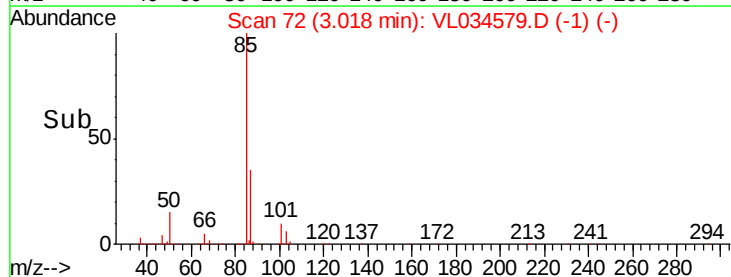
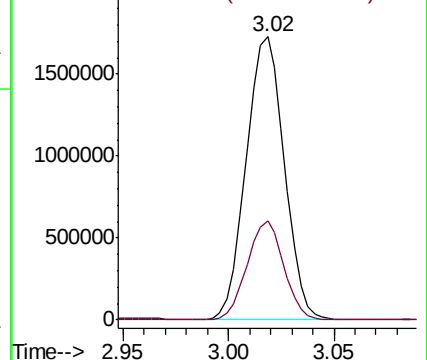
85 100

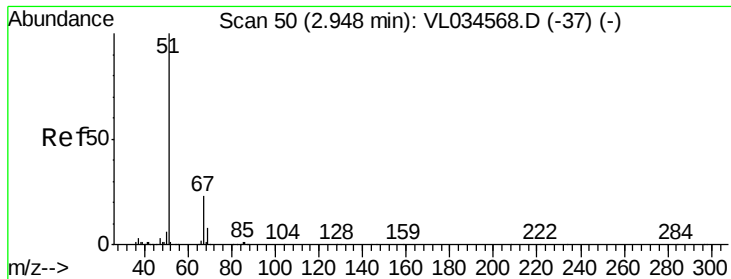
87 35.2 29.5 44.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.305 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

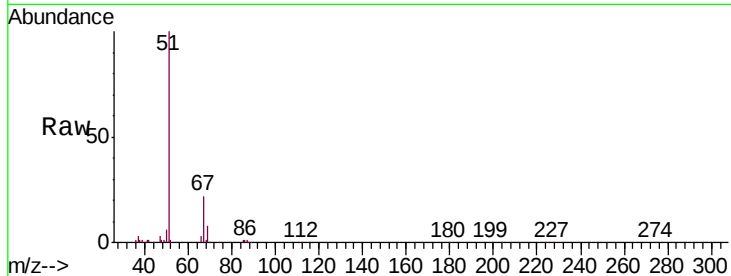
VL0204ABS01

Tgt Ion: 51 Resp: 1300223

Ion Ratio Lower Upper

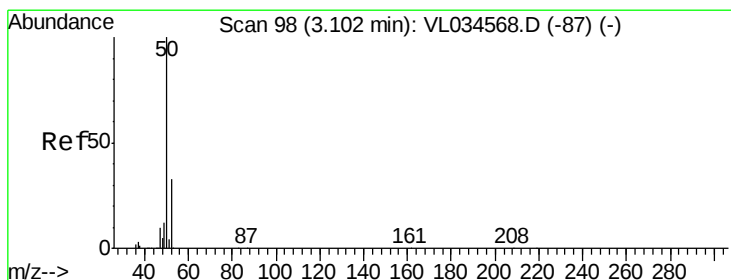
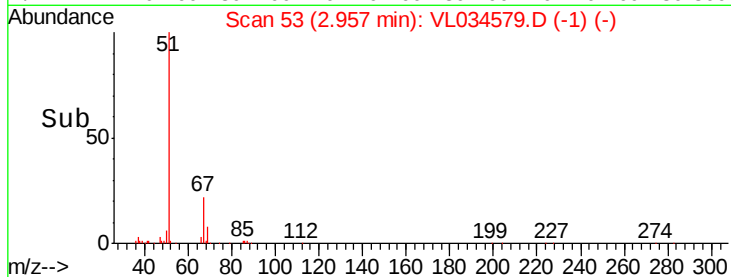
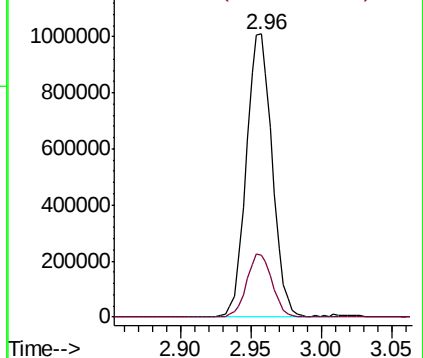
51 100

67 21.9 17.8 26.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.105 ppbv

RT: 3.11 min Scan# 101

Delta R.T. 0.01 min

Lab File: VL034579.D

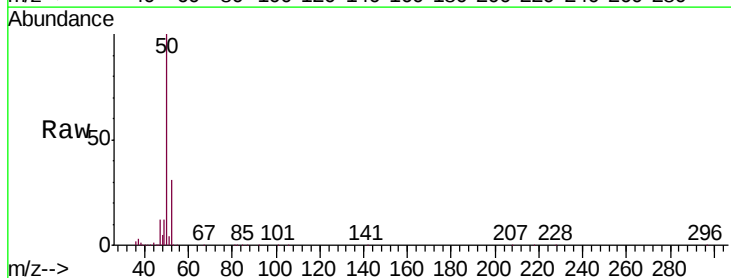
Acq: 4 Feb 2020 13:56

Tgt Ion: 50 Resp: 692913

Ion Ratio Lower Upper

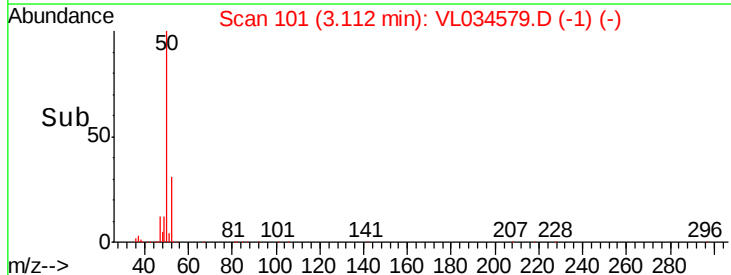
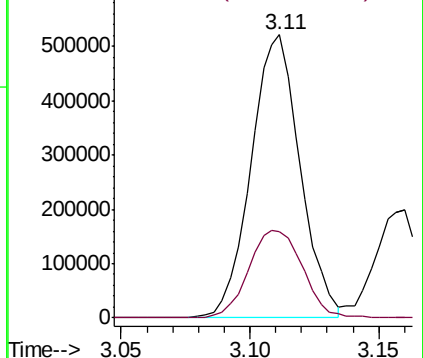
50 100

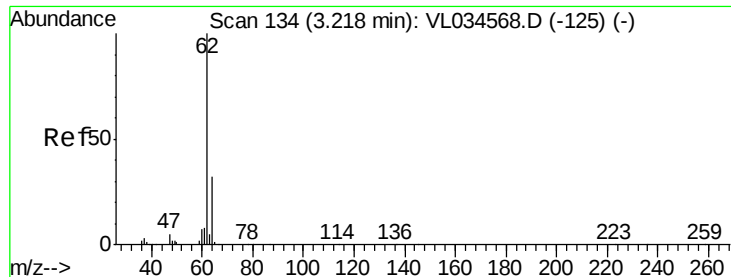
52 30.7 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.424 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

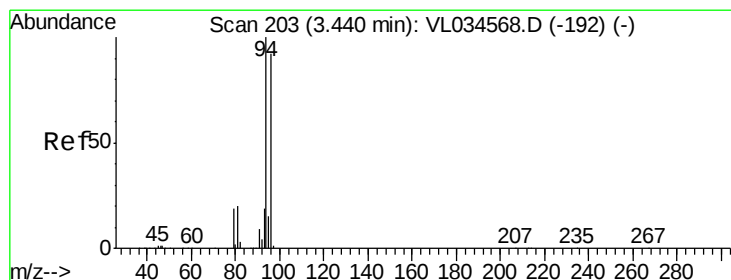
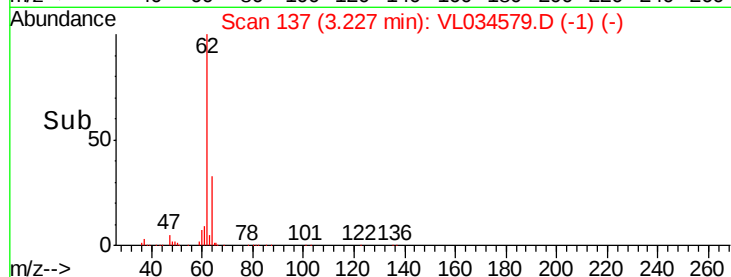
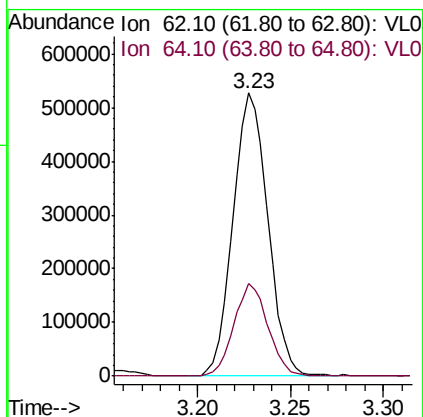
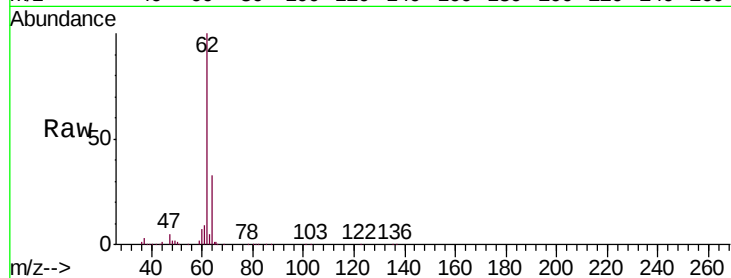
VL0204ABS01

Tgt Ion: 62 Resp: 687915

Ion Ratio Lower Upper

62 100

64 33.3 25.8 38.6



#6

Bromomethane

Concen: 9.555 ppbv

RT: 3.45 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL034579.D

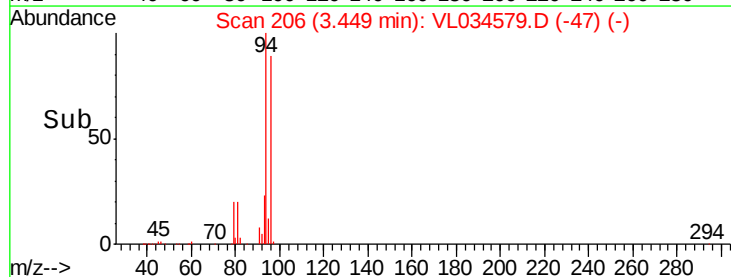
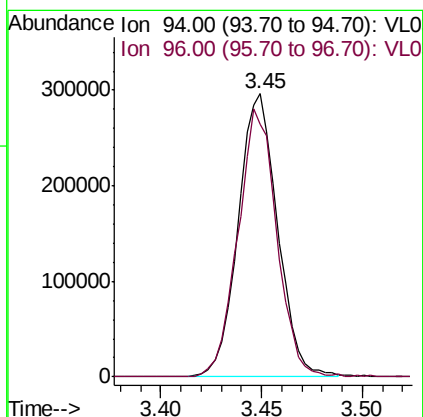
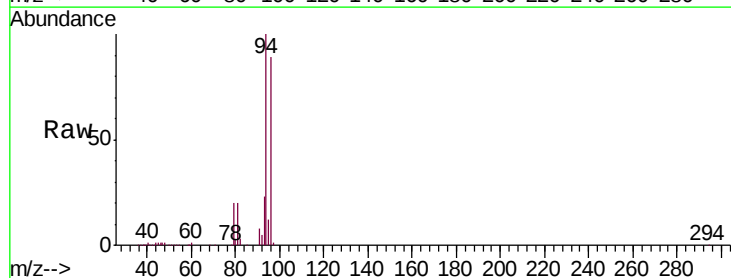
Acq: 4 Feb 2020 13:56

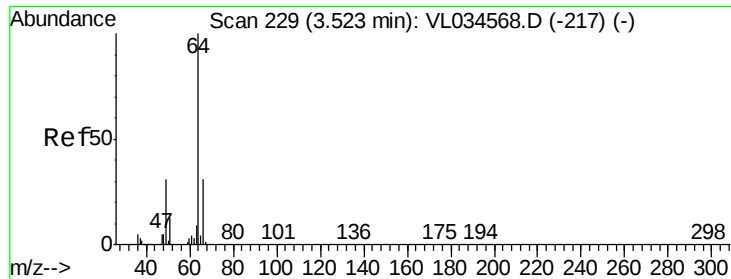
Tgt Ion: 94 Resp: 405845

Ion Ratio Lower Upper

94 100

96 89.4 73.8 110.8





#7

Chloroethane

Concen: 8.657 ppbv

RT: 3.53 min Scan# 232

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

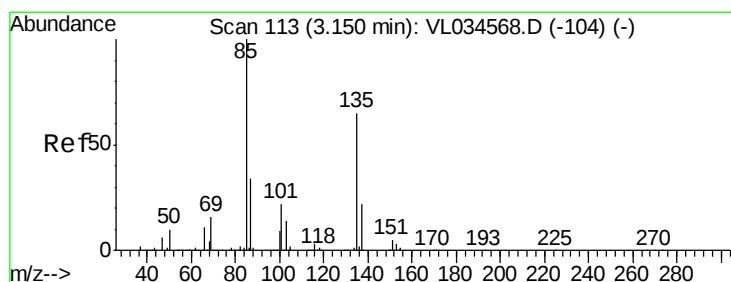
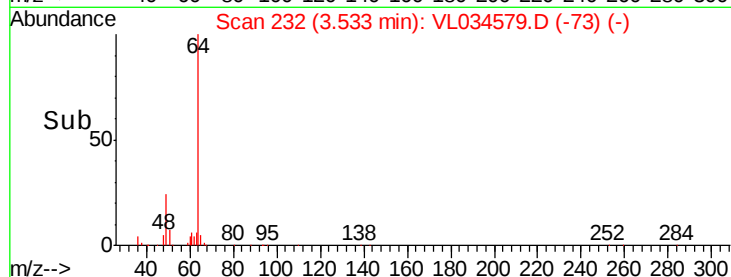
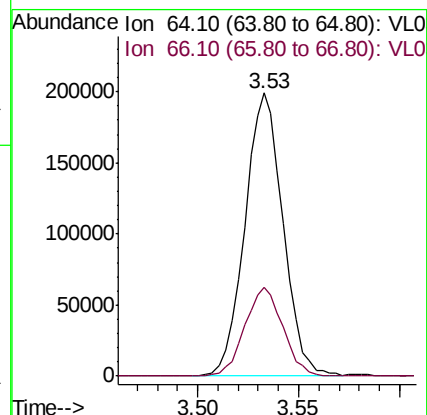
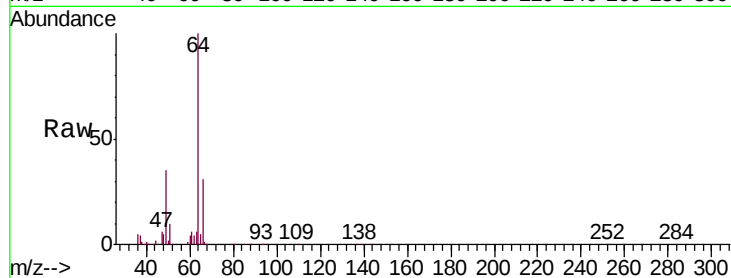
VL0204ABS01

Tgt Ion: 64 Resp: 262885

Ion Ratio Lower Upper

64 100

66 32.0 25.0 37.4



#8

Dichlorotetrafluoroethane

Concen: 8.526 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

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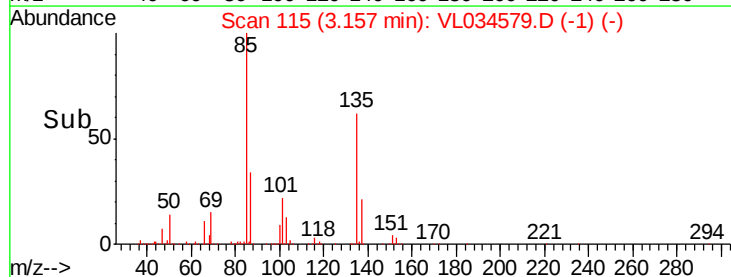
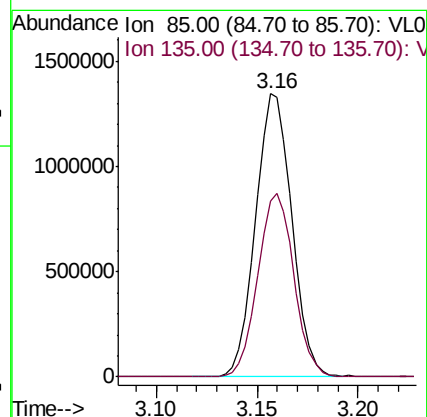
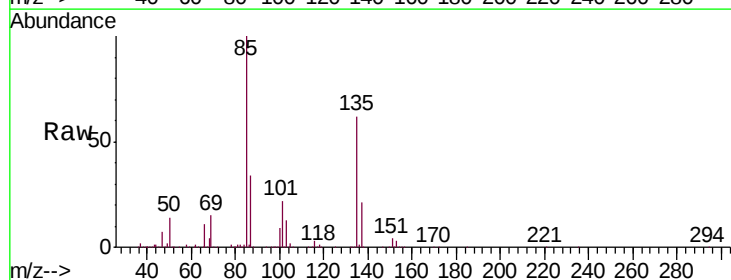
Acq: 4 Feb 2020 13:56

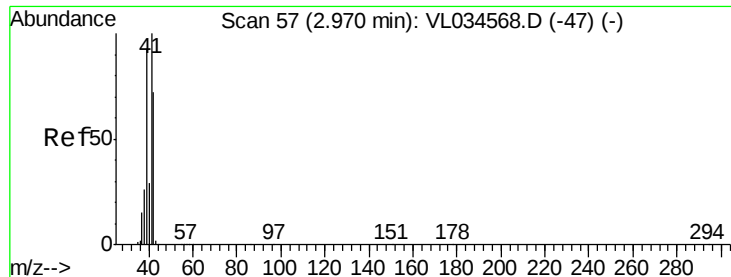
Tgt Ion: 85 Resp: 1697355

Ion Ratio Lower Upper

85 100

135 64.6 52.2 78.2





#9

Propene

Concen: 8.593 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

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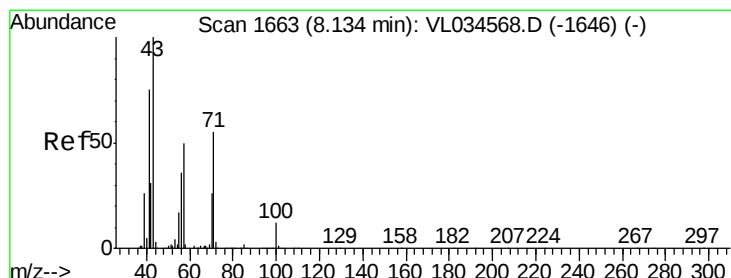
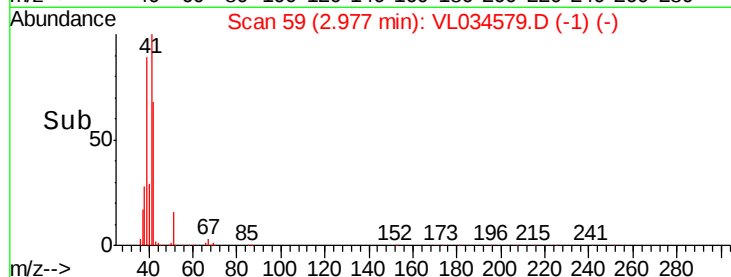
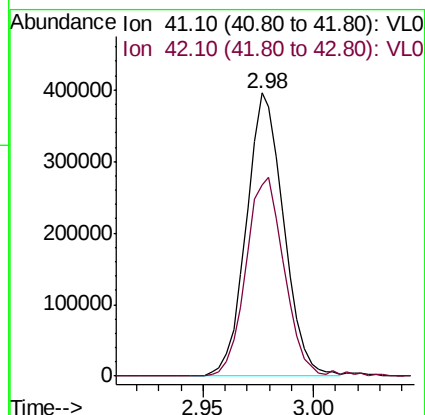
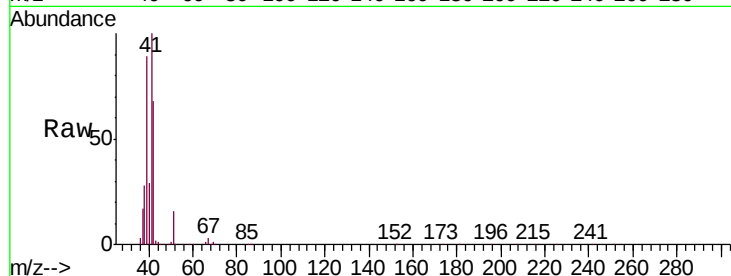
VL0204ABS01

Tgt Ion: 41 Resp: 467498

Ion Ratio Lower Upper

41 100

42 73.0 57.0 85.4



#10

Heptane

Concen: 9.444 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL034579.D

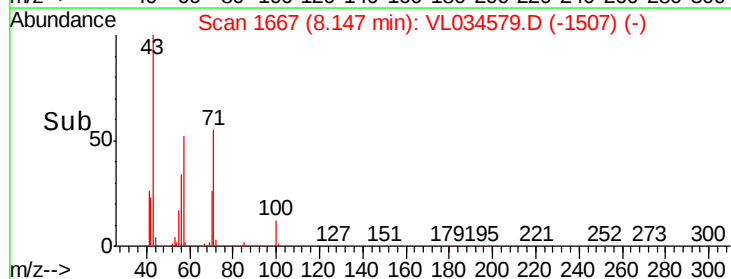
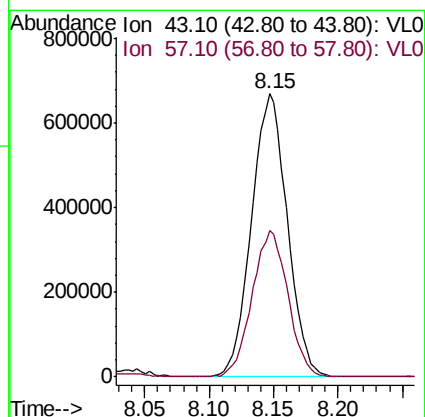
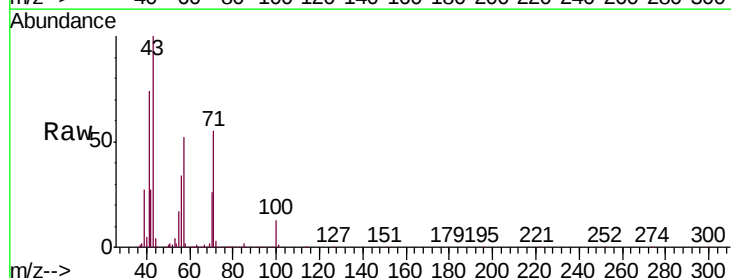
Acq: 4 Feb 2020 13:56

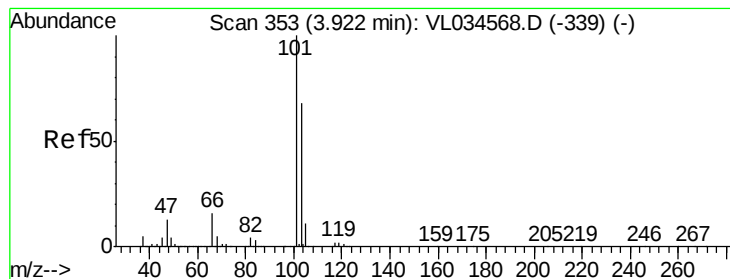
Tgt Ion: 43 Resp: 1293105

Ion Ratio Lower Upper

43 100

57 51.7 41.2 61.8





#11

Trichlorofluoromethane

Concen: 8.662 ppbv

RT: 3.93 min Scan# 356

Delta R.T. 0.01 min

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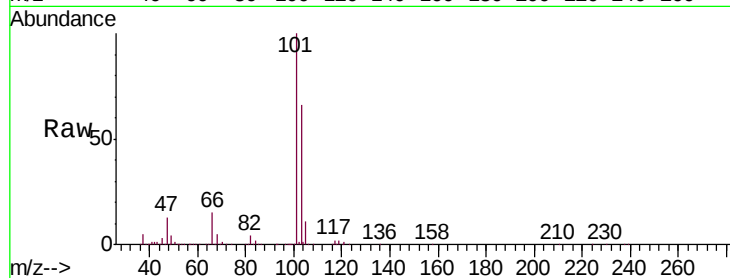
VL0204ABS01

Tgt Ion:101 Resp: 2004284

Ion Ratio Lower Upper

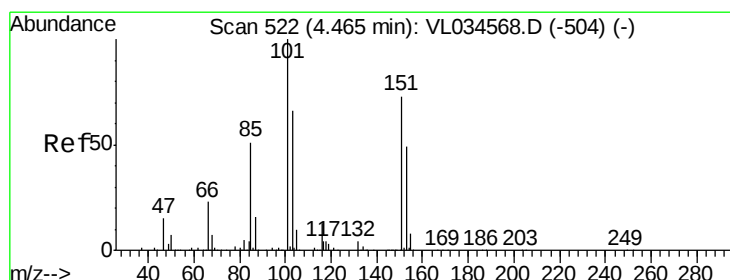
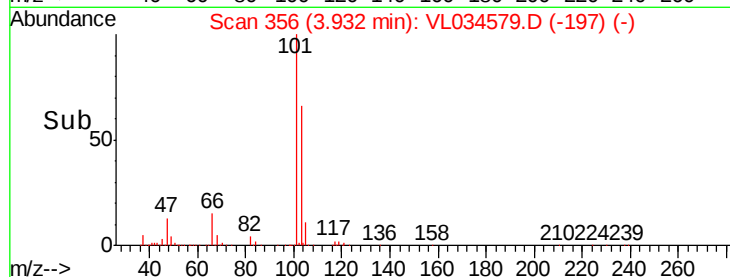
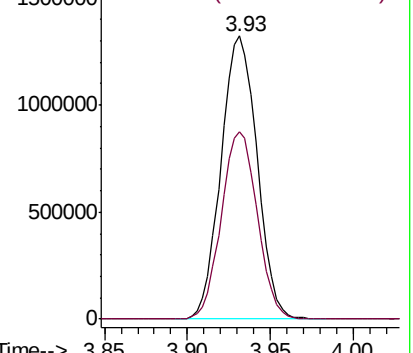
101 100

103 66.2 54.4 81.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.861 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL034579.D

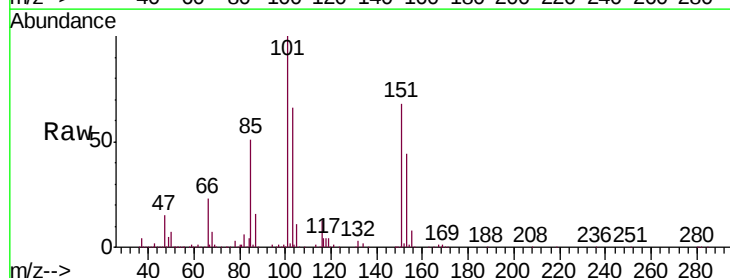
Acq: 4 Feb 2020 13:56

Tgt Ion:101 Resp: 1337634

Ion Ratio Lower Upper

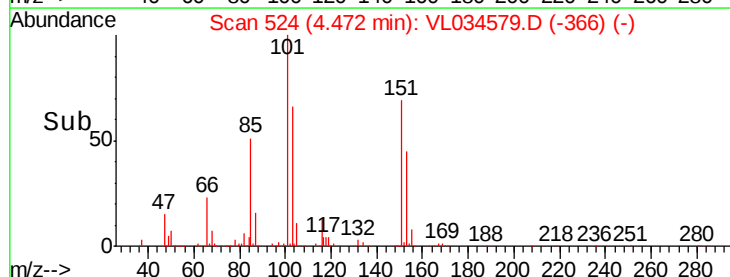
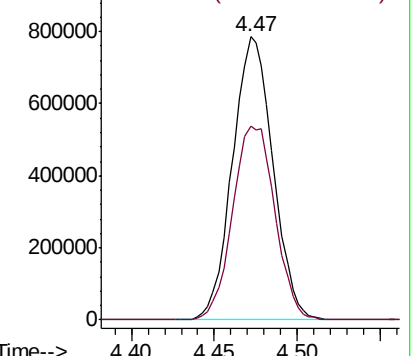
101 100

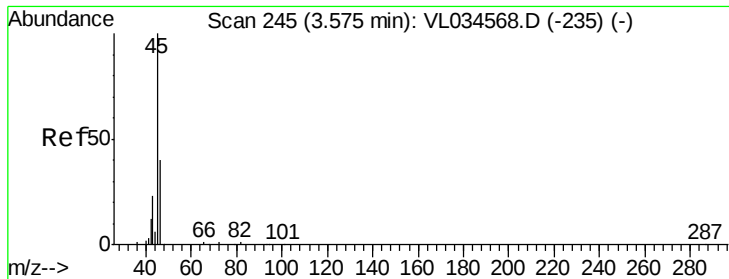
151 71.8 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 8.413 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

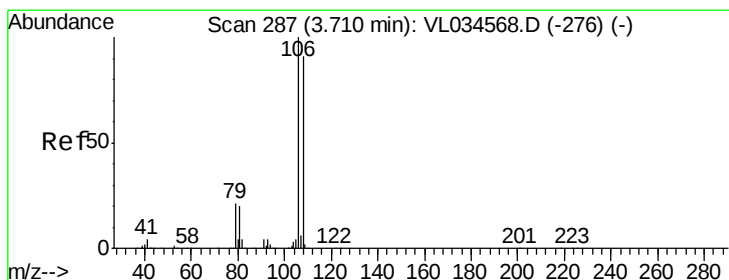
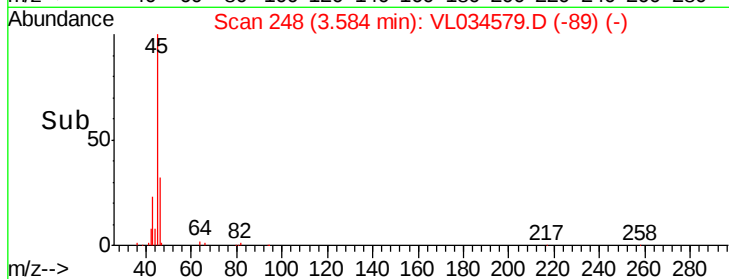
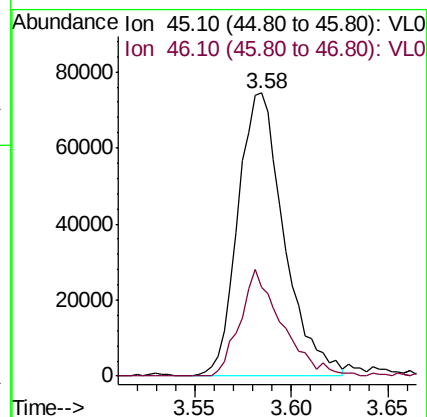
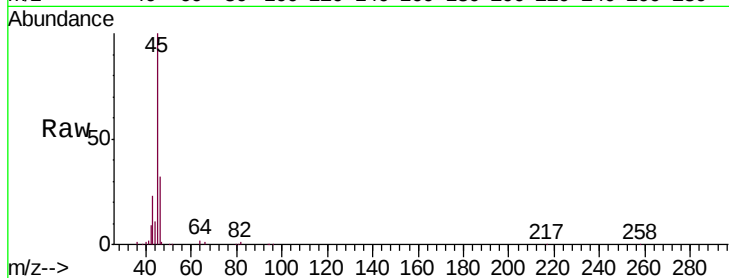
VL0204ABS01

Tgt Ion: 45 Resp: 122599

Ion Ratio Lower Upper

45 100

46 35.1 14.8 59.2



#14

Bromoethene

Concen: 8.807 ppbv

RT: 3.72 min Scan# 289

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

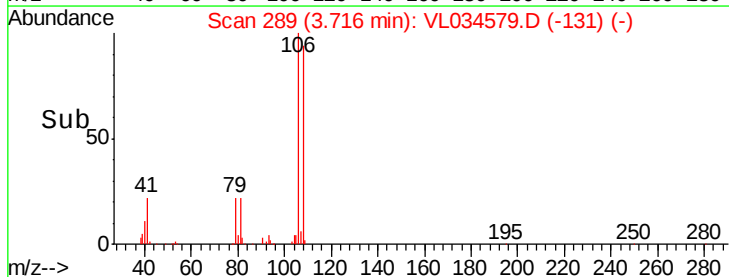
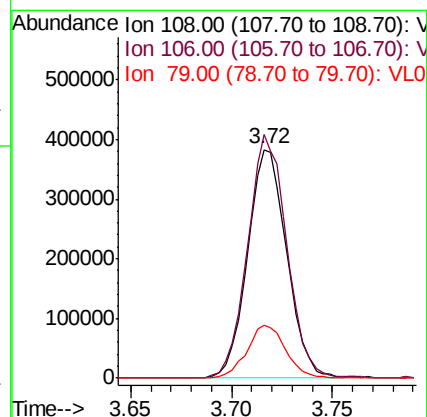
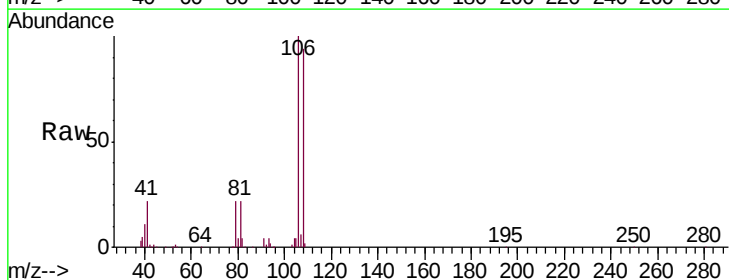
Tgt Ion: 108 Resp: 521524

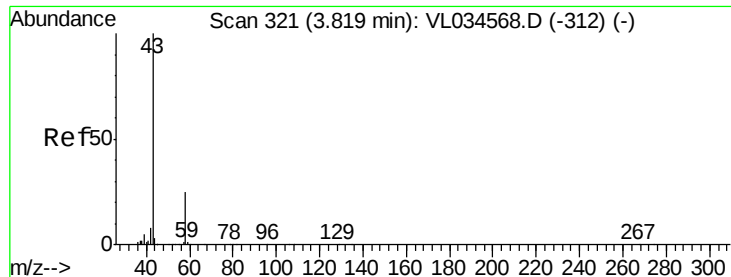
Ion Ratio Lower Upper

108 100

106 106.9 84.6 127.0

79 23.2 18.2 27.2





#15

Acetone

Concen: 8.959 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

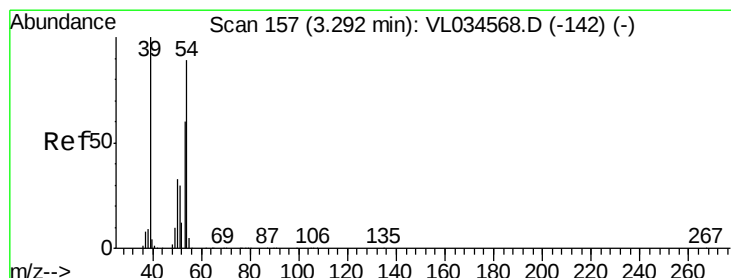
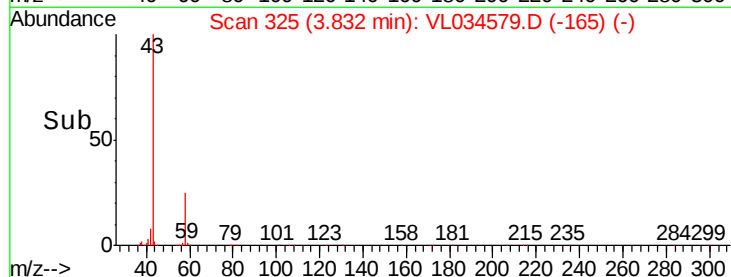
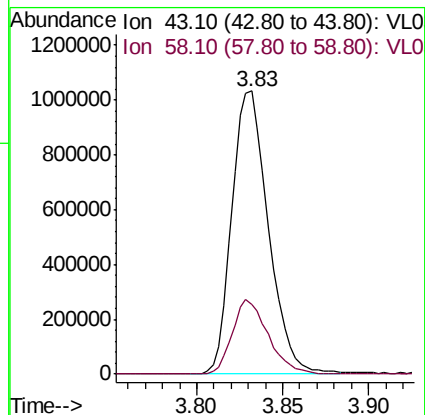
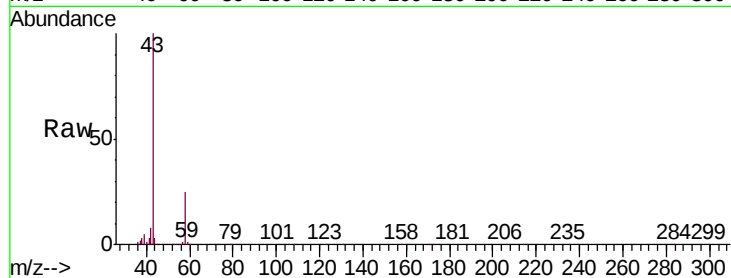
VL0204ABS01

Tgt Ion: 43 Resp: 1522651

Ion Ratio Lower Upper

43 100

58 26.1 20.3 30.5



#16

1,3-Butadiene

Concen: 9.169 ppbv

RT: 3.30 min Scan# 159

Delta R.T. 0.01 min

Lab File: VL034579.D

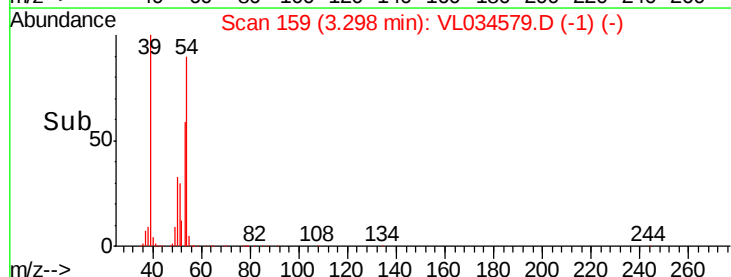
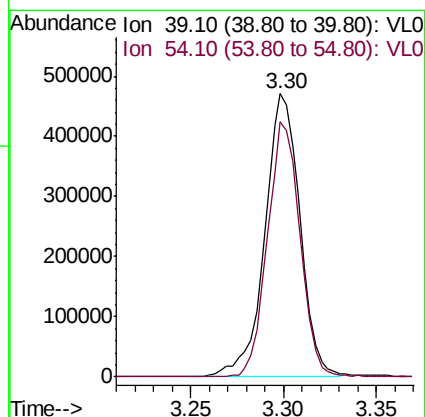
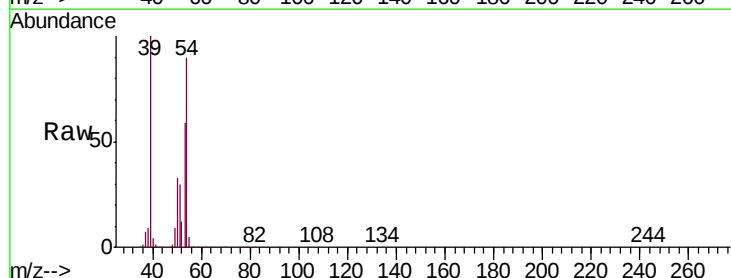
Acq: 4 Feb 2020 13:56

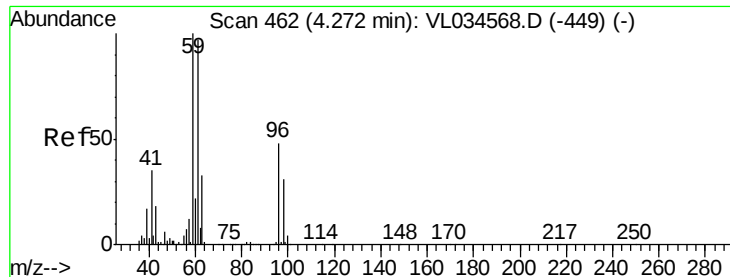
Tgt Ion: 39 Resp: 618815

Ion Ratio Lower Upper

39 100

54 84.3 66.7 100.1



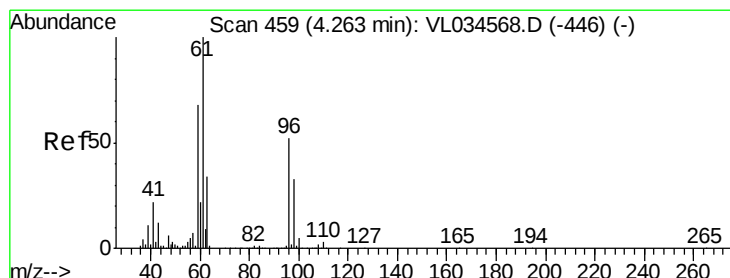
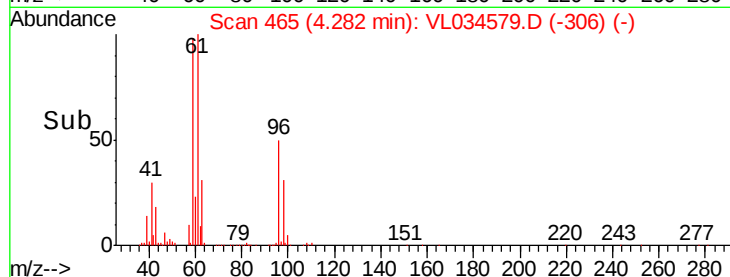
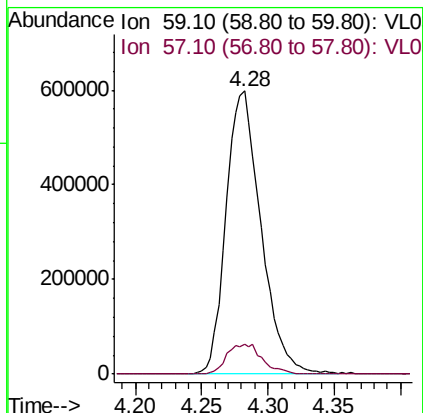
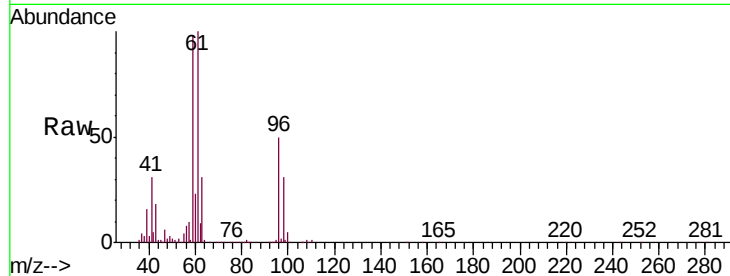


#17

tert-Butyl alcohol
Concen: 8.758 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

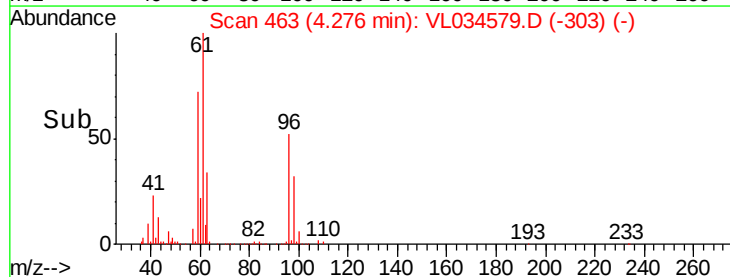
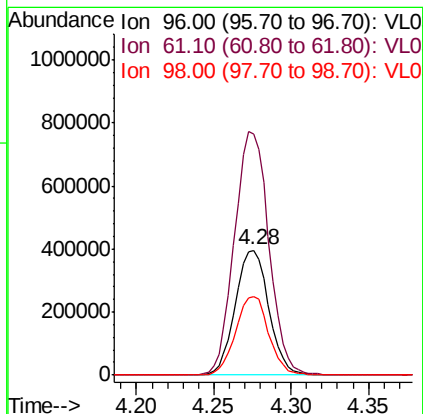
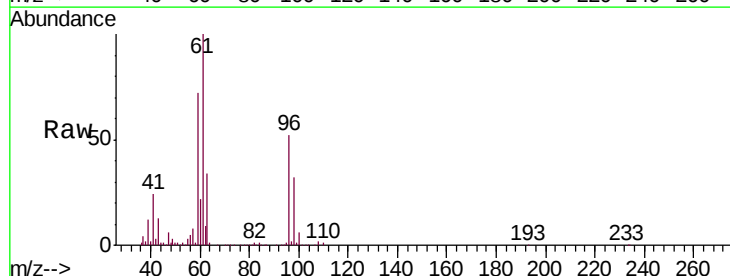
Tgt Ion: 59 Resp: 1094596
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1

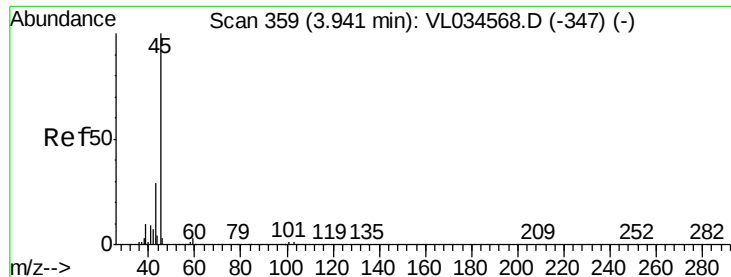


#18

1,1-Dichloroethene
Concen: 9.357 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion: 96 Resp: 596319
Ion Ratio Lower Upper
96 100
61 193.7 154.5 231.7
98 62.6 50.3 75.5

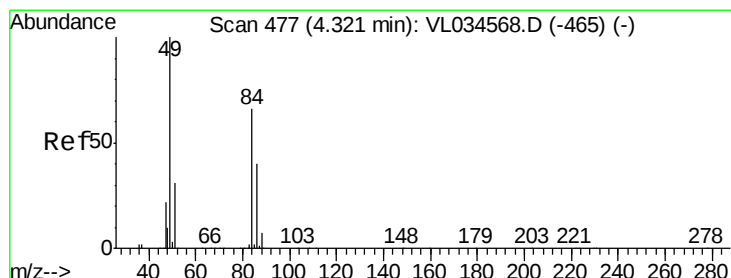
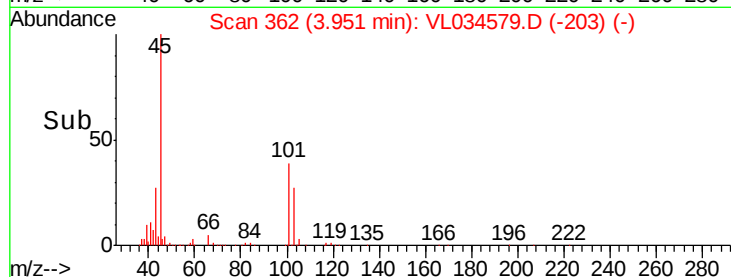
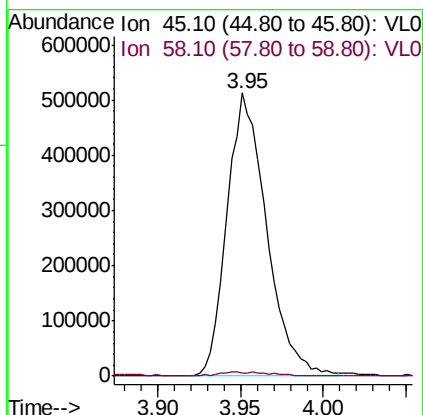
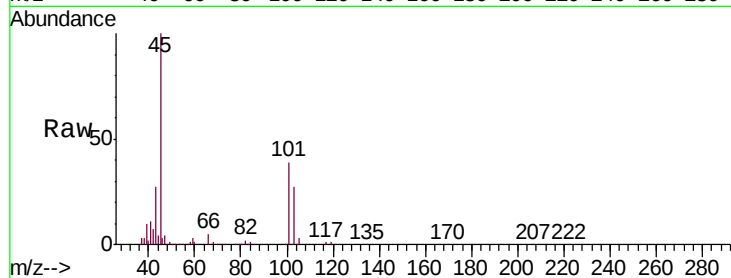




#19
Isopropyl Alcohol
Concen: 8.553 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

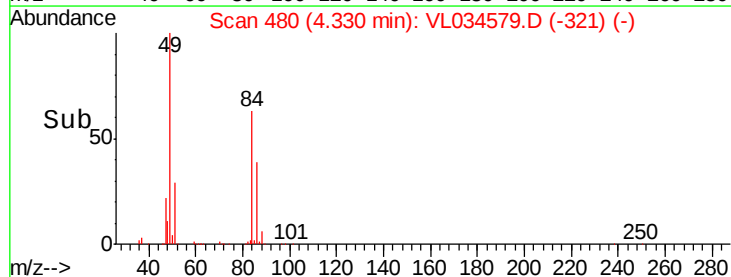
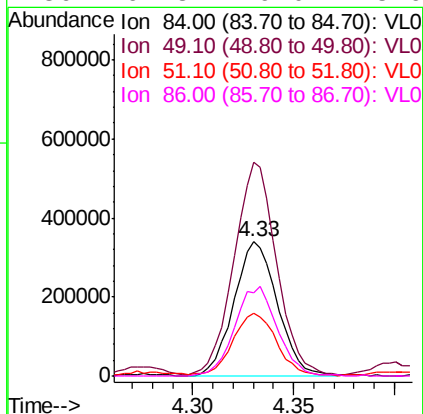
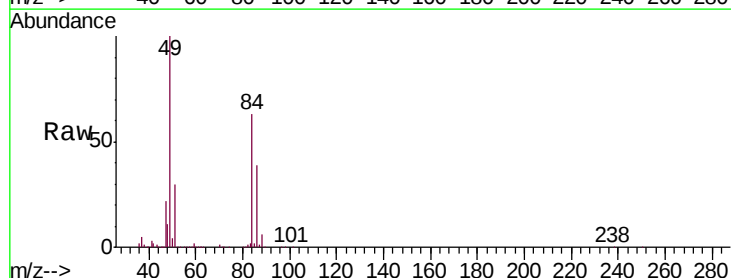
Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

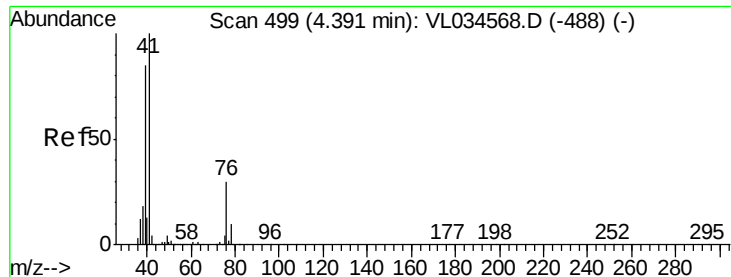
Tgt Ion: 45 Resp: 848272
Ion Ratio Lower Upper
45 100
58 2.3 1.7 2.5



#20
Methylene Chloride
Concen: 7.908 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion: 84 Resp: 511769
Ion Ratio Lower Upper
84 100
49 158.5 122.4 183.6
51 46.7 38.6 57.8
86 62.3 49.0 73.6





#21

Allyl Chloride

Concen: 8.986 ppbv

RT: 4.40 min Scan# 501

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

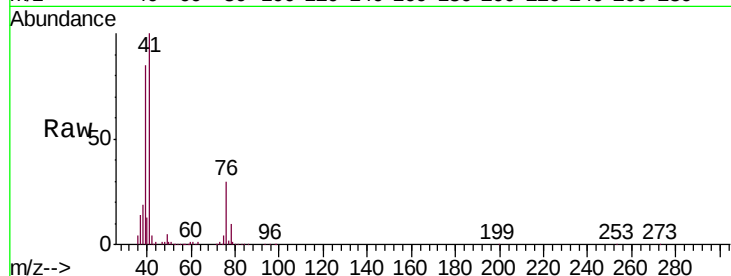
Tgt Ion: 41 Resp: 948514

Ion Ratio Lower Upper

41 100

76 30.2 24.2 36.2

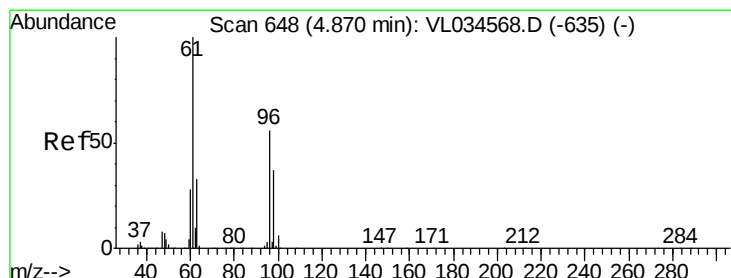
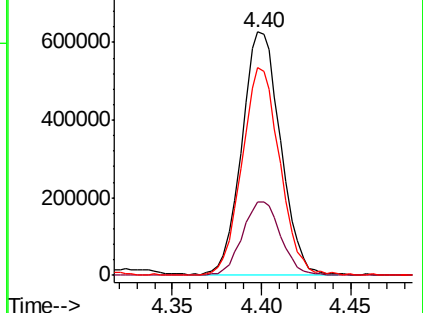
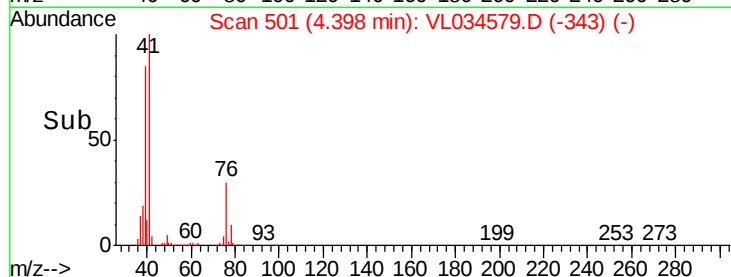
39 84.2 68.3 102.5



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: 8.709 ppbv

RT: 4.88 min Scan# 651

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

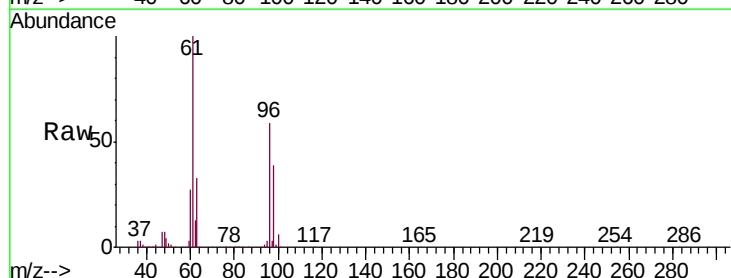
Tgt Ion: 96 Resp: 581234

Ion Ratio Lower Upper

96 100

61 168.0 141.9 212.9

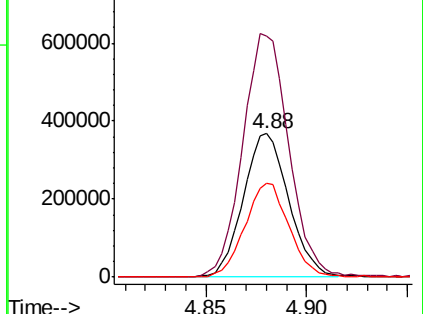
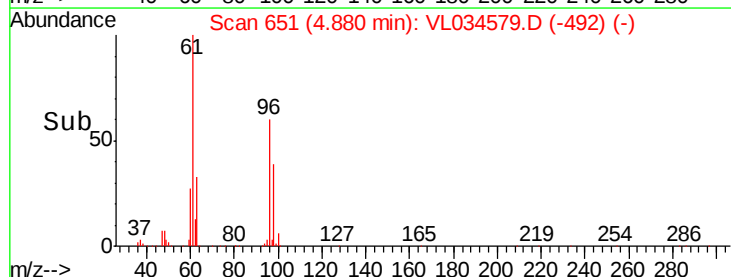
98 65.3 53.1 79.7

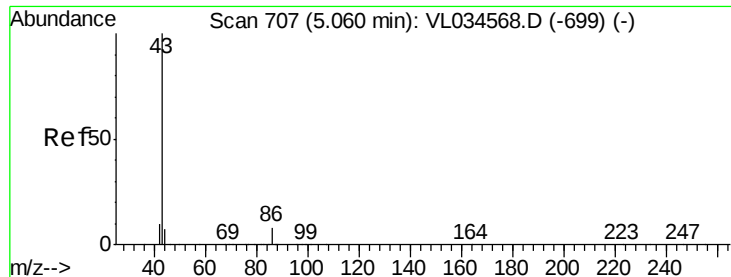


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.766 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

Tgt Ion: 43 Resp: 1893660

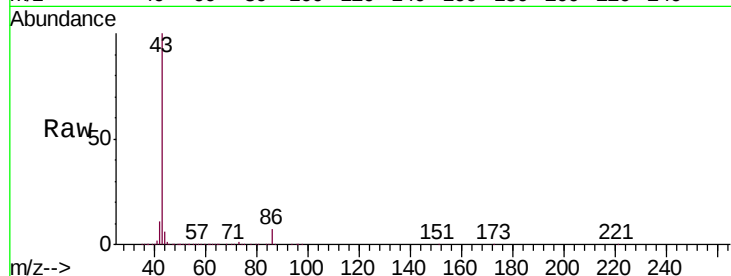
Ion Ratio Lower Upper

43 100

86 7.4 5.9 8.9

42 11.2 8.8 13.2

44 5.6 5.0 7.6

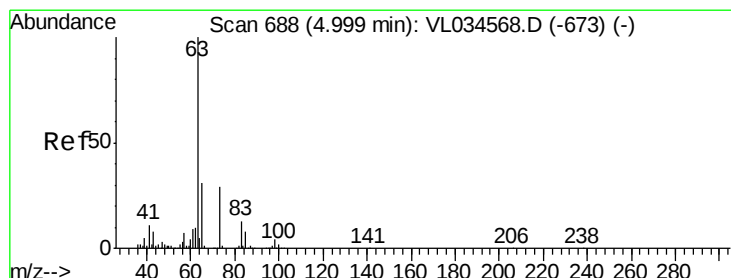
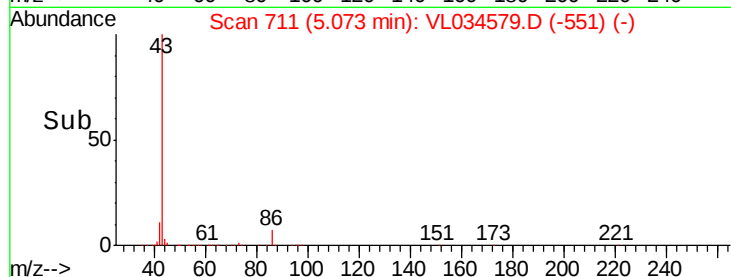
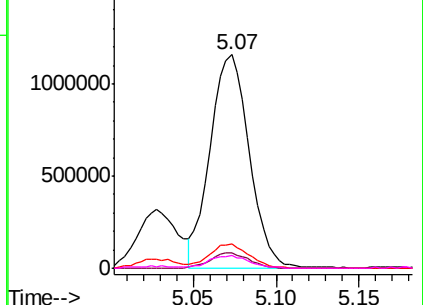


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.851 ppbv

RT: 5.01 min Scan# 691

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

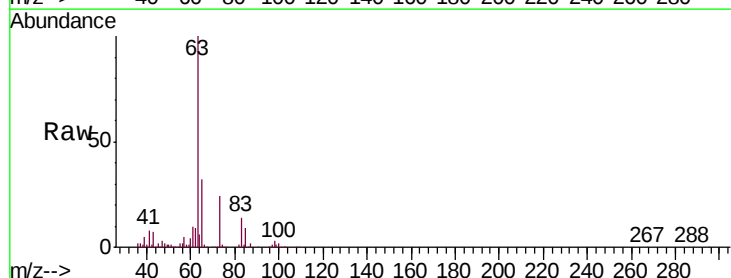
Tgt Ion: 63 Resp: 1432851

Ion Ratio Lower Upper

63 100

98 3.2 2.1 6.2

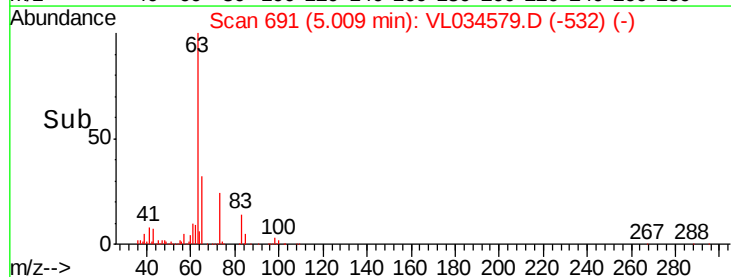
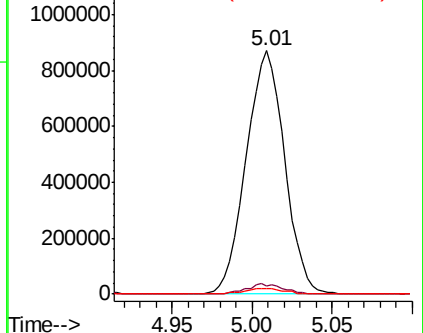
100 2.5 1.1 3.5

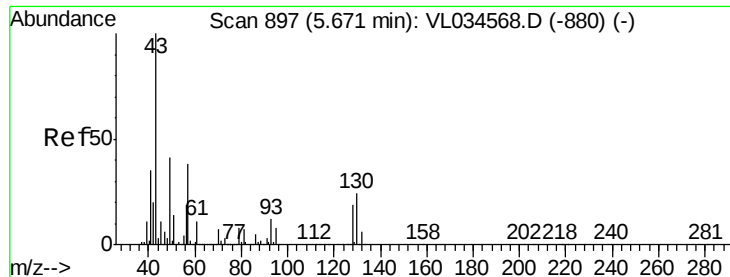


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

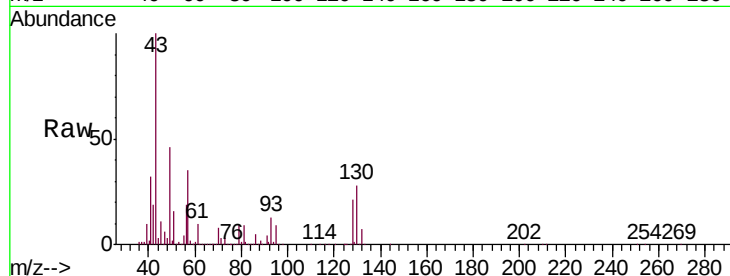




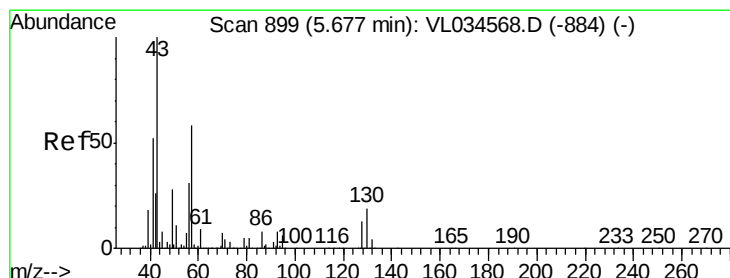
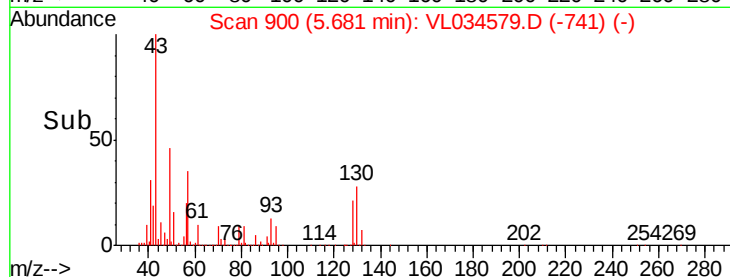
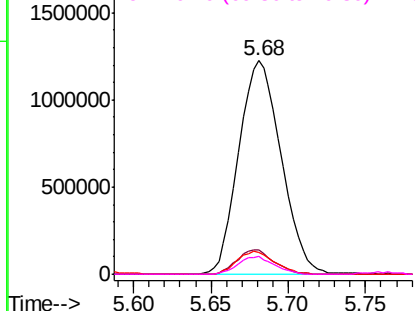
#25
Ethyl Acetate
Concen: 8.478 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

Tgt Ion: 43 Resp: 2332786
Ion Ratio Lower Upper
43 100
45 10.0 8.5 12.7
61 9.9 7.8 11.6
70 7.2 5.8 8.8

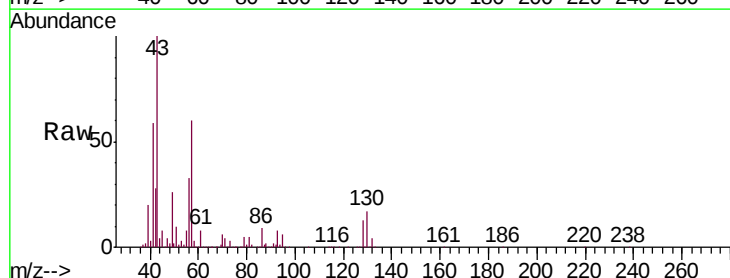


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

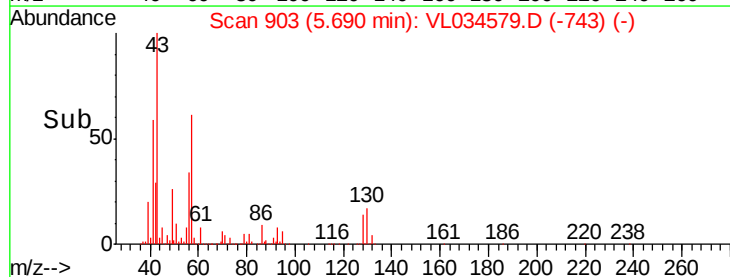
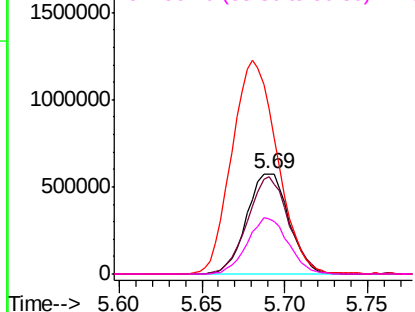


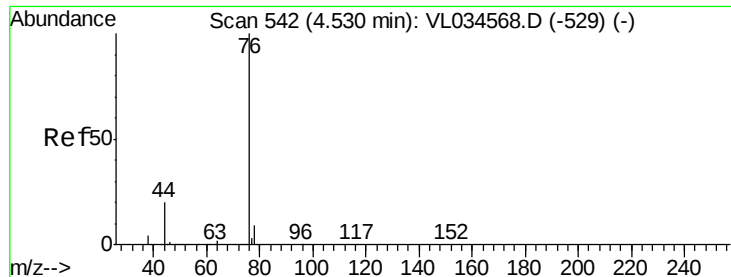
#26
Hexane
Concen: 8.820 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion: 57 Resp: 1016511
Ion Ratio Lower Upper
57 100
41 95.6 76.2 114.2
43 230.8 189.9 284.9
56 54.2 43.6 65.4



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 9.437 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

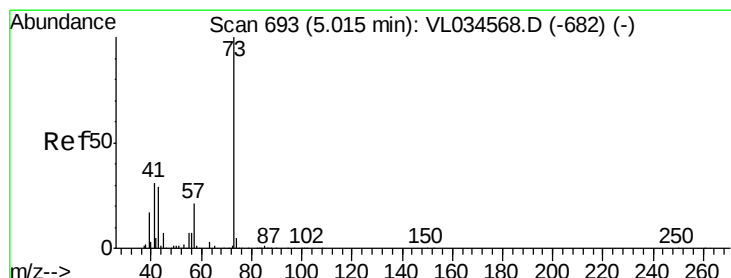
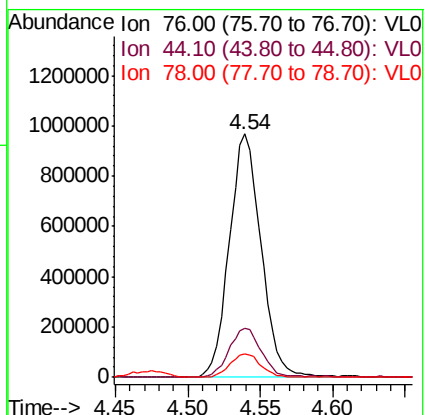
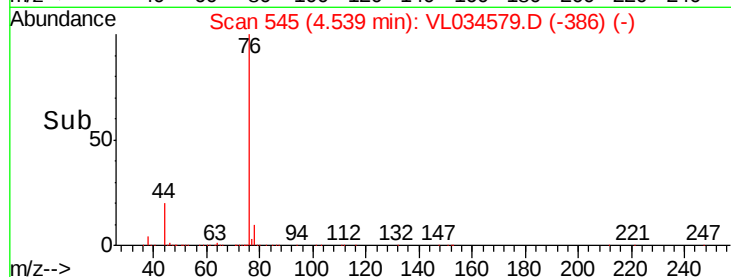
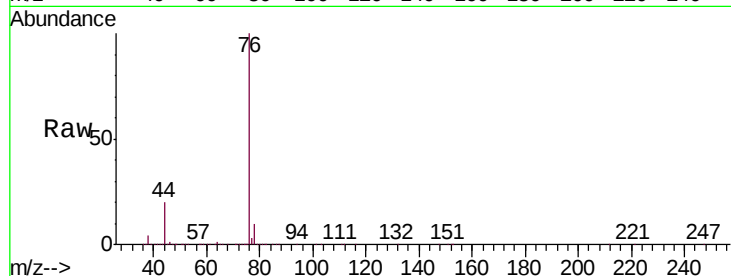
Tgt Ion: 76 Resp: 1467490

Ion Ratio Lower Upper

76 100

44 20.2 16.3 24.5

78 9.4 7.4 11.2



#28

Methyl tert-Butyl Ether

Concen: 9.432 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL034579.D

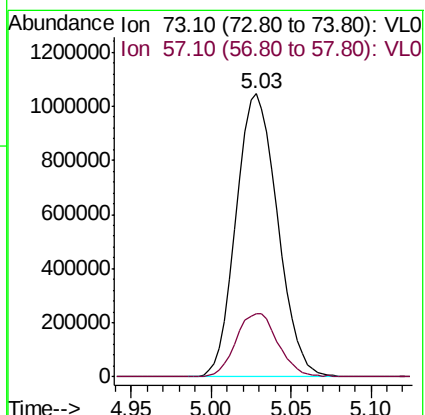
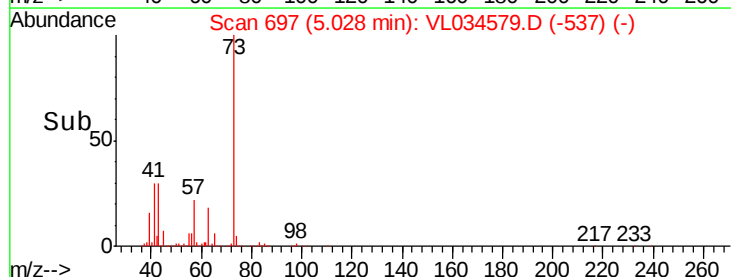
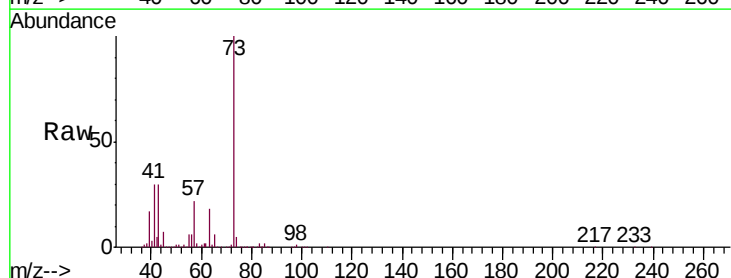
Acq: 4 Feb 2020 13:56

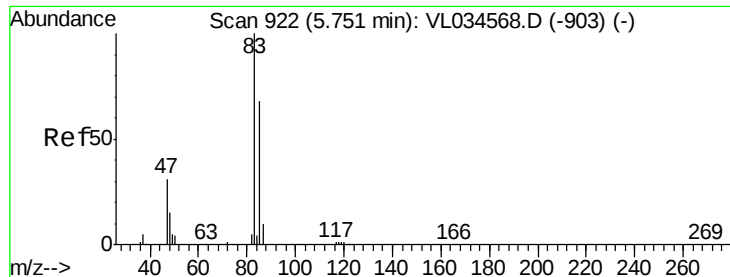
Tgt Ion: 73 Resp: 1853767

Ion Ratio Lower Upper

73 100

57 22.8 17.9 26.9





#29

Chloroform

Concen: 8.641 ppbv

RT: 5.76 min Scan# 925

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

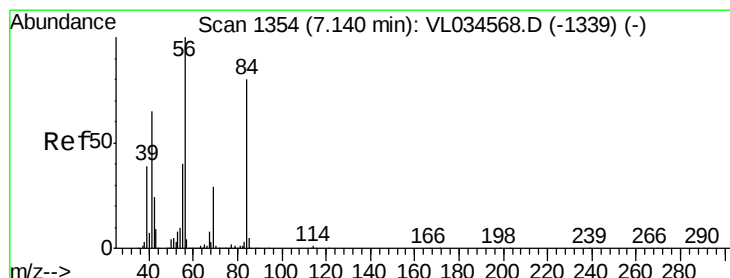
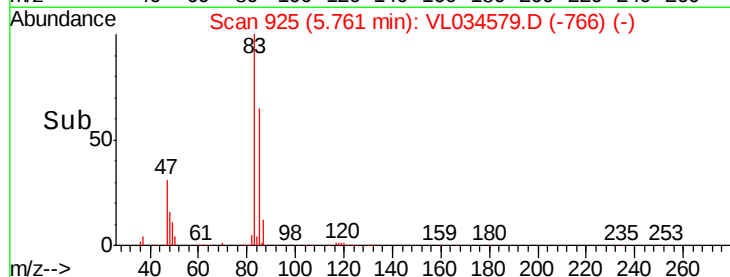
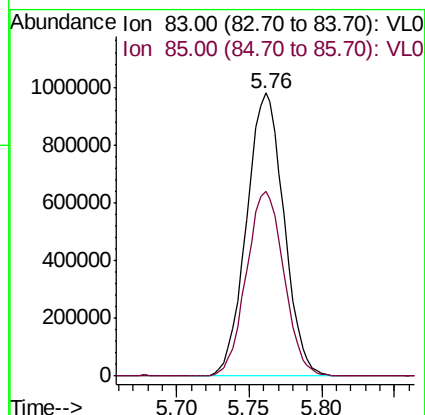
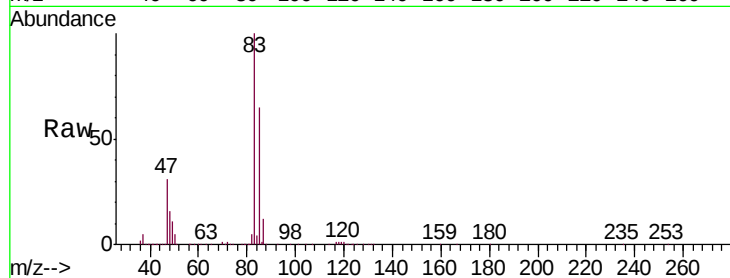
VL0204ABS01

Tgt Ion: 83 Resp: 1760935

Ion Ratio Lower Upper

83 100

85 65.2 54.0 81.0



#30

Cyclohexane

Concen: 3.864 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

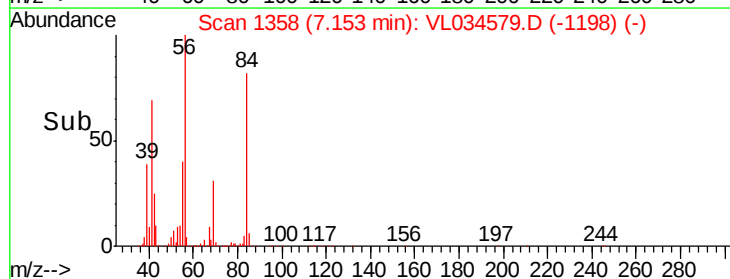
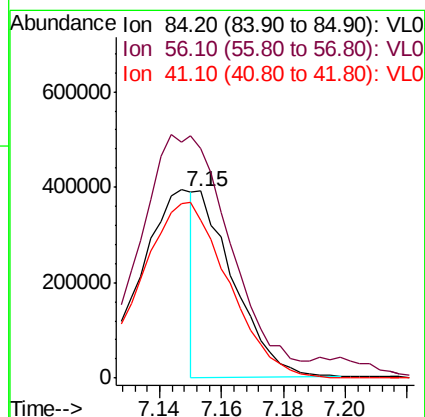
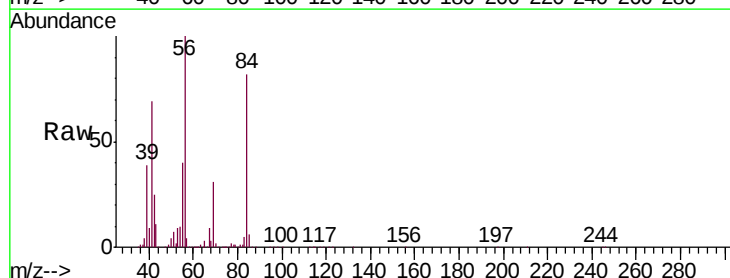
Tgt Ion: 84 Resp: 329983

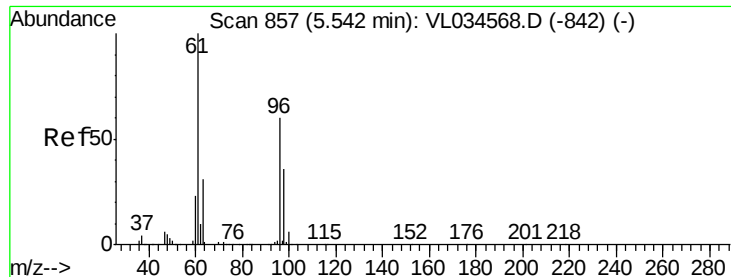
Ion Ratio Lower Upper

84 100

56 0.0 110.5 165.7#

41 220.4 71.9 107.9#



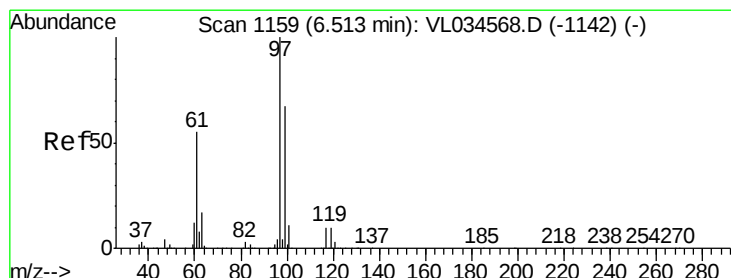
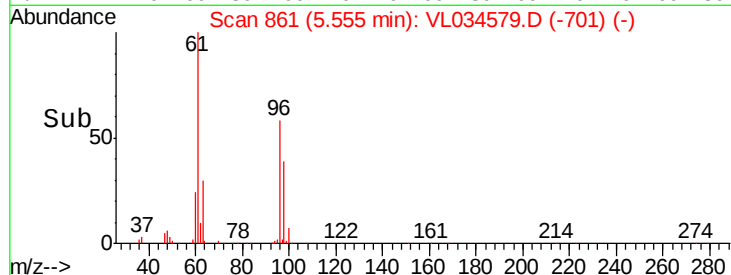
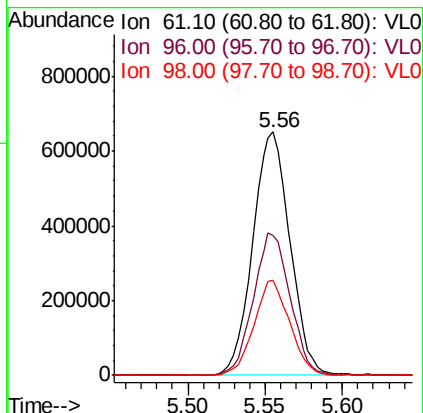
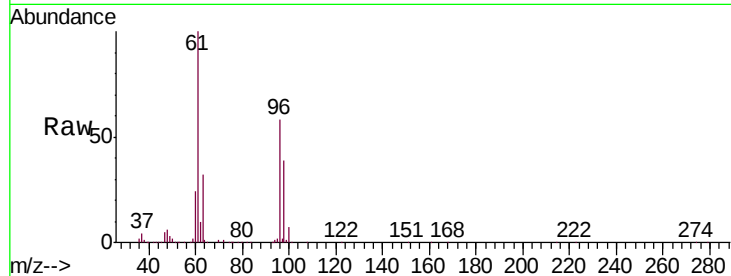


#31

cis-1,2-Dichloroethene
 Concen: 9.120 ppbv
 RT: 5.56 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

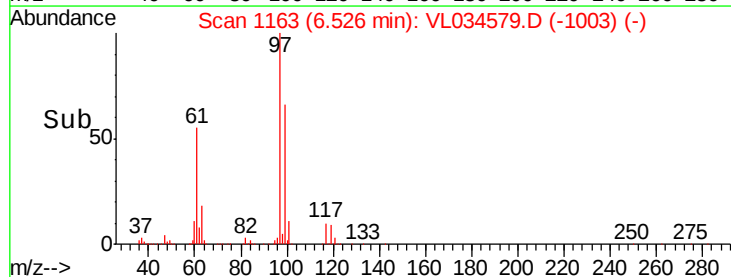
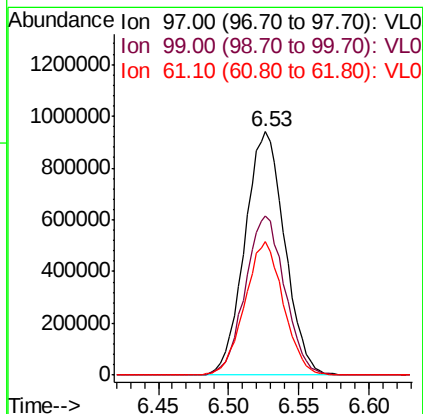
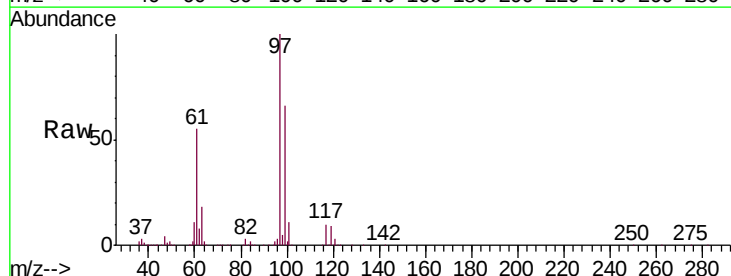
Tgt Ion: 61 Resp: 1092055
 Ion Ratio Lower Upper
 61 100
 96 57.7 48.0 72.0
 98 39.0 28.6 43.0

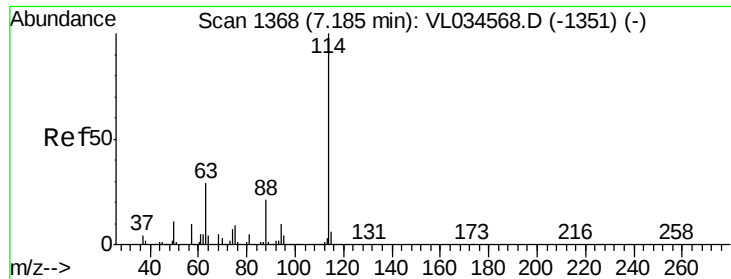


#32

1,1,1-Trichloroethane
 Concen: 8.528 ppbv
 RT: 6.53 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 97 Resp: 1866092
 Ion Ratio Lower Upper
 97 100
 99 64.8 52.2 78.2
 61 53.0 43.0 64.4

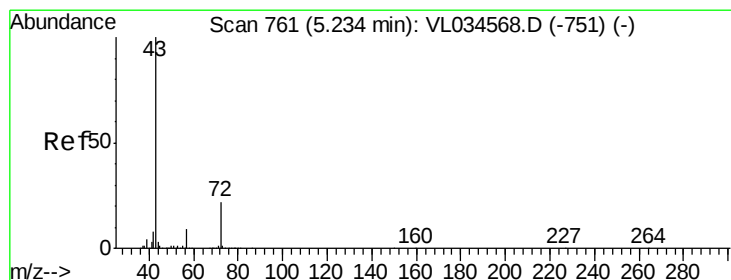
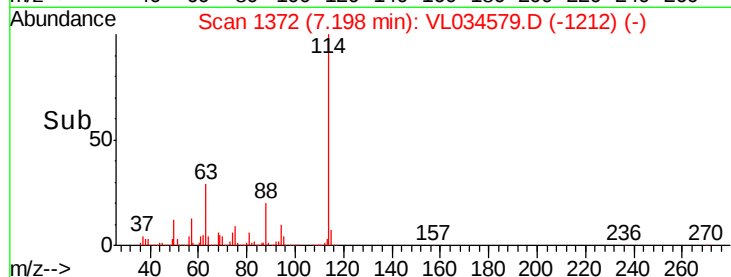
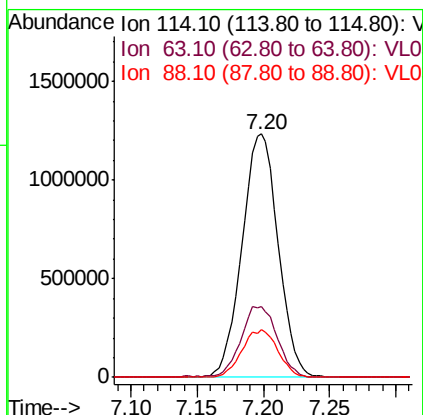
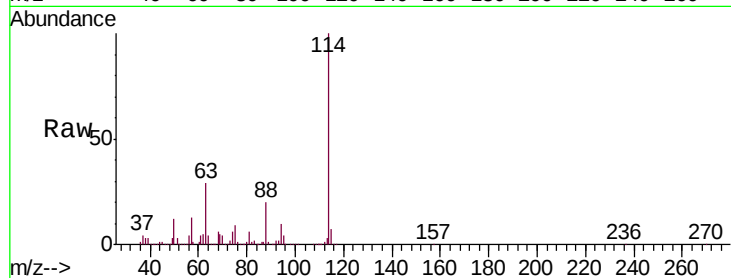




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

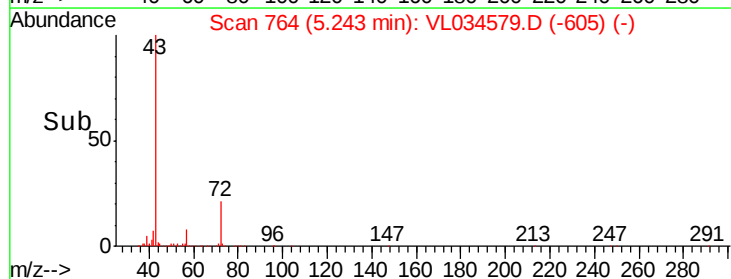
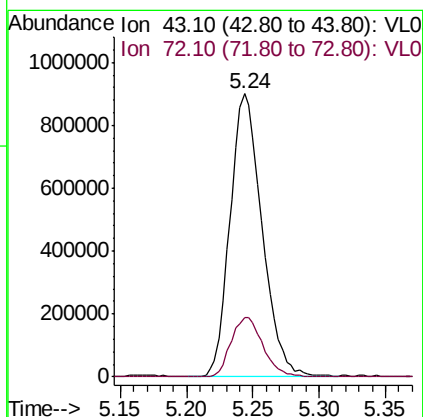
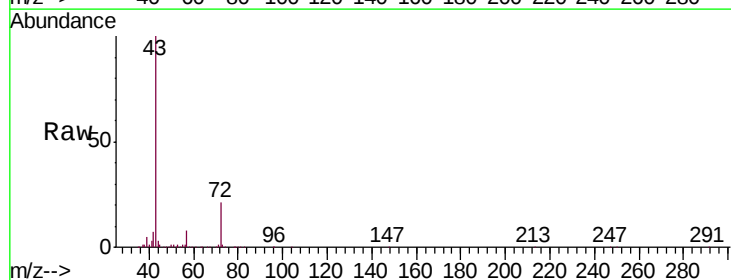
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

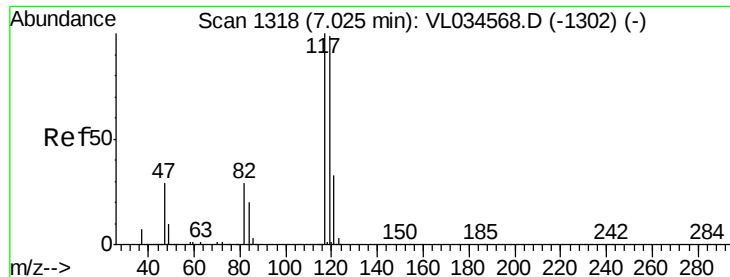
Tgt Ion: 114 Resp: 2338807
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 19.5 15.9 23.9



#34
 2-Butanone
 Concen: 8.897 ppbv
 RT: 5.24 min Scan# 764
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 43 Resp: 1510928
 Ion Ratio Lower Upper
 43 100
 72 21.2 17.2 25.8

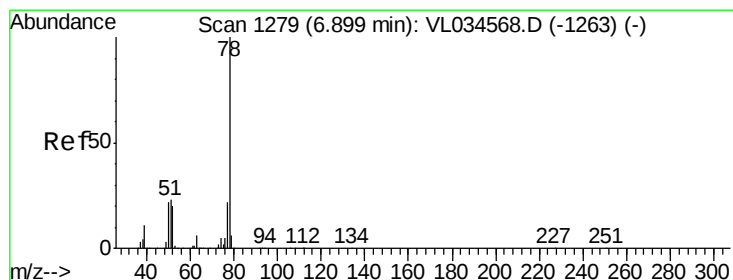
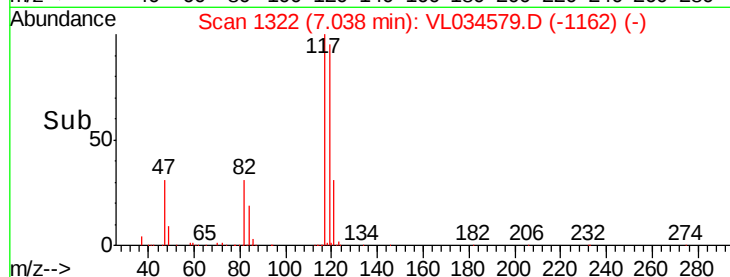
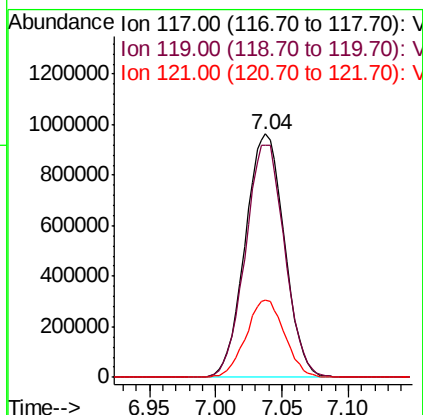
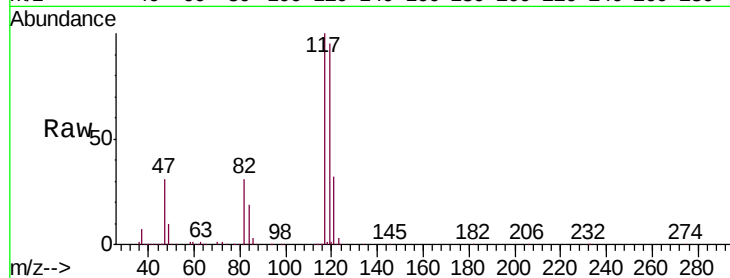




#35
Carbon Tetrachloride
Concen: 8.878 ppbv
RT: 7.04 min Scan# 1322
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

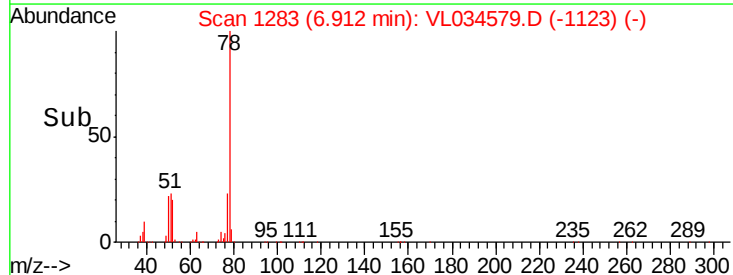
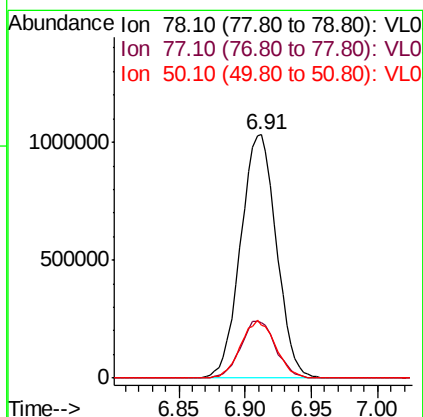
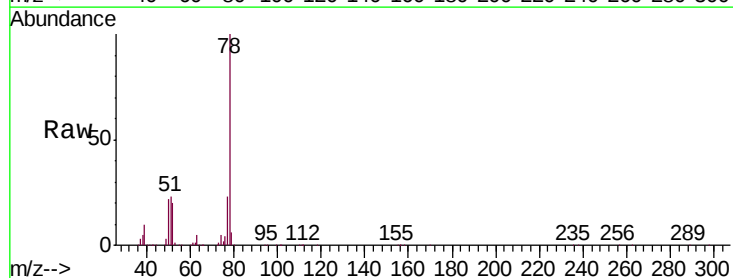
Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

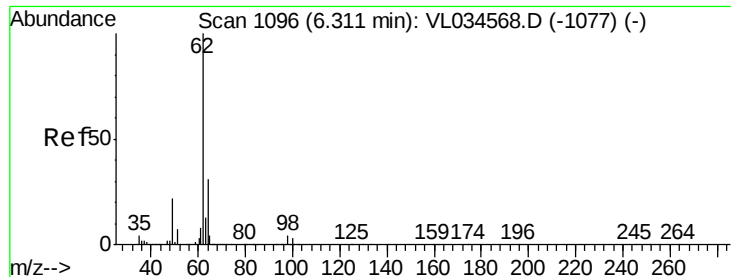
Tgt Ion: 117 Resp: 1985227
Ion Ratio Lower Upper
117 100
119 95.3 79.5 119.3
121 31.7 26.2 39.2



#36
Benzene
Concen: 9.313 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion: 78 Resp: 1936988
Ion Ratio Lower Upper
78 100
77 22.8 17.3 25.9
50 21.5 17.4 26.2

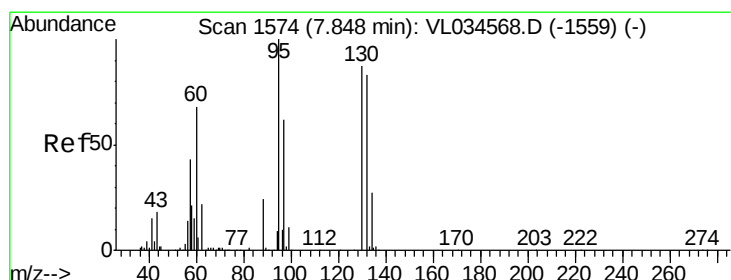
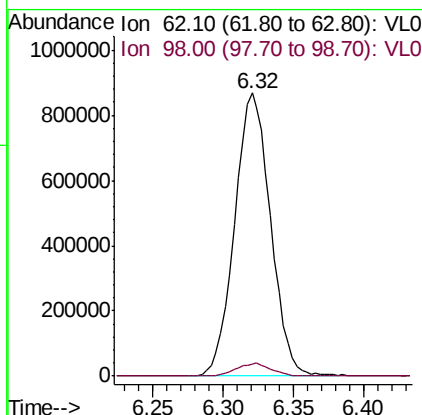
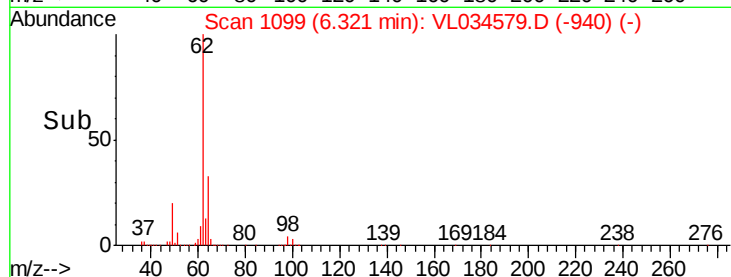
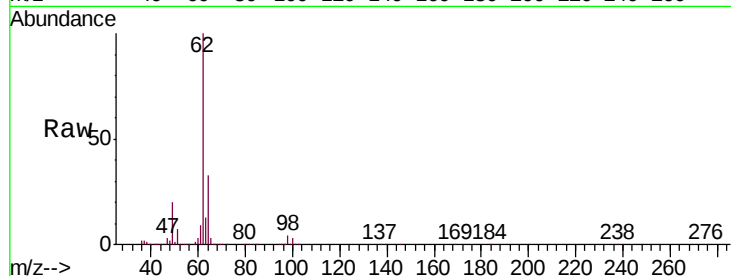




#37
 1,2-Dichloroethane
 Concen: 8.896 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

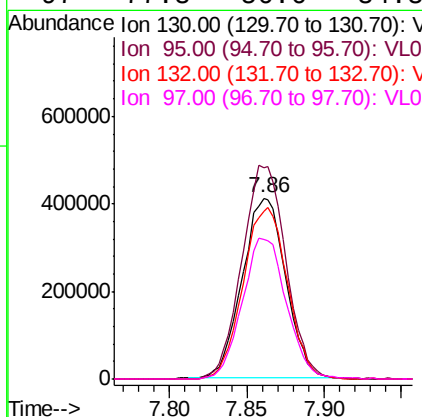
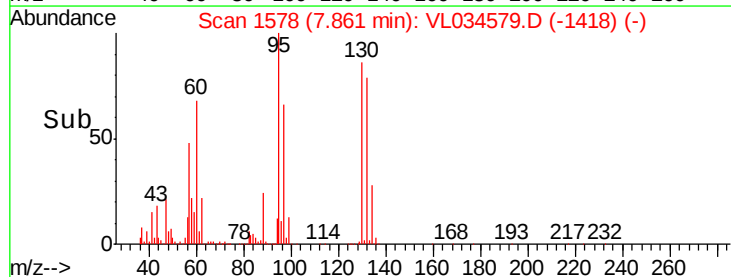
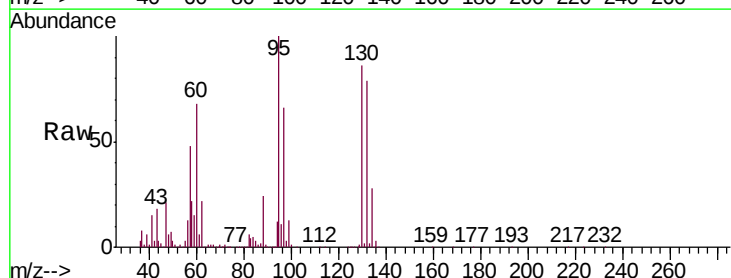
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

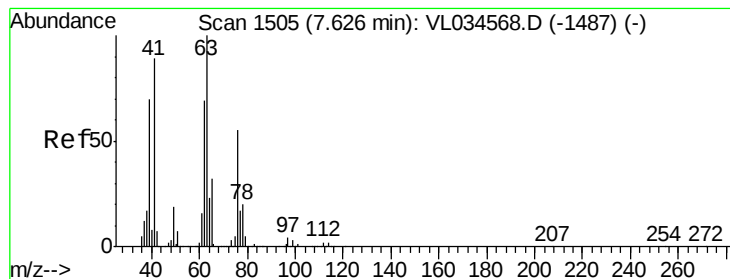
Tgt Ion: 62 Resp: 1543676
 Ion Ratio Lower Upper
 62 100
 98 4.5 3.7 5.5



#38
 Trichloroethene
 Concen: 9.206 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 130 Resp: 807158
 Ion Ratio Lower Upper
 130 100
 95 117.1 91.6 137.4
 132 93.1 76.1 114.1
 97 77.8 56.6 84.8





#39

1,2-Dichloropropane

Concen: 9.180 ppbv

RT: 7.64 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

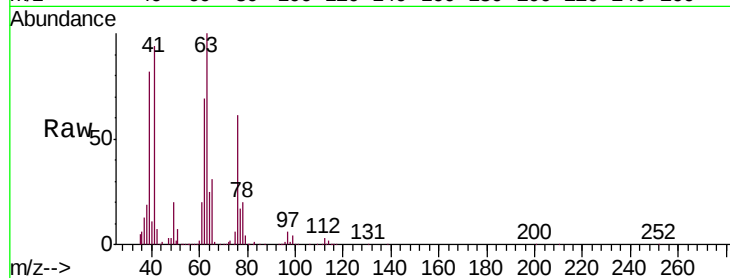
Tgt Ion: 63 Resp: 791496

Ion Ratio Lower Upper

63 100

41 94.1 71.0 106.4

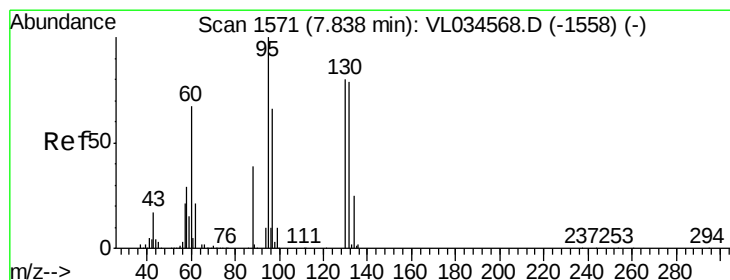
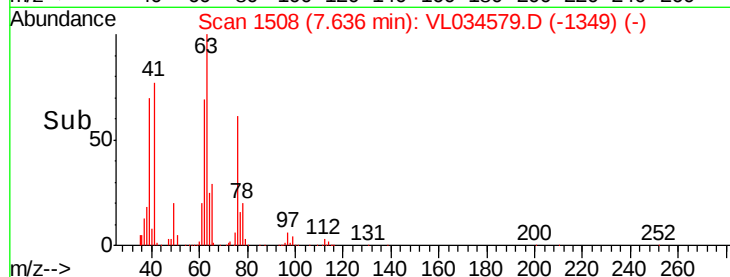
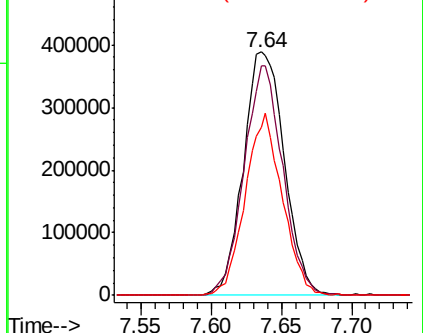
62 68.8 55.4 83.0



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: 4.264 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Tgt Ion: 88 Resp: 141317

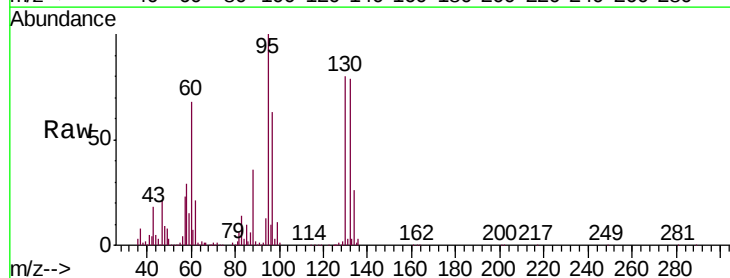
Ion Ratio Lower Upper

88 100

58 277.9 107.8 161.8#

43 0.0 220.9 331.3#

57 0.0 908.6 1363.0#

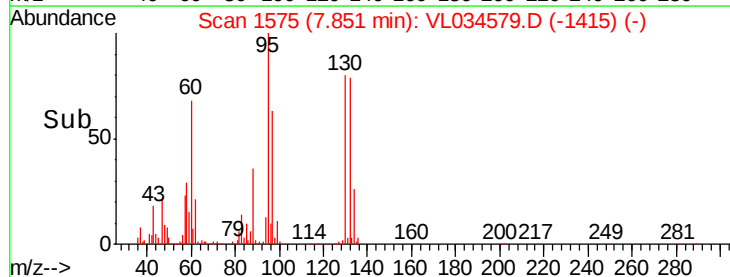
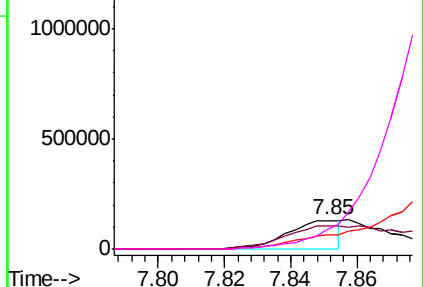


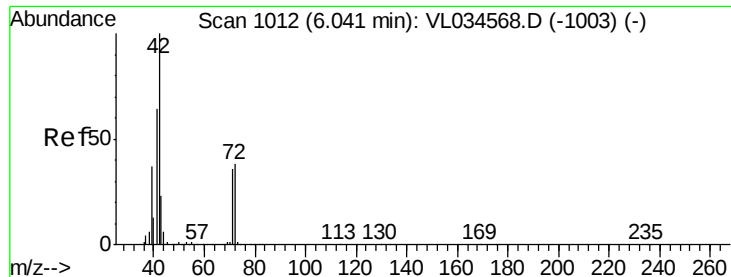
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

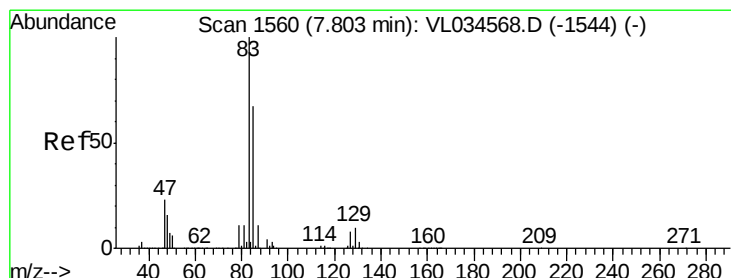
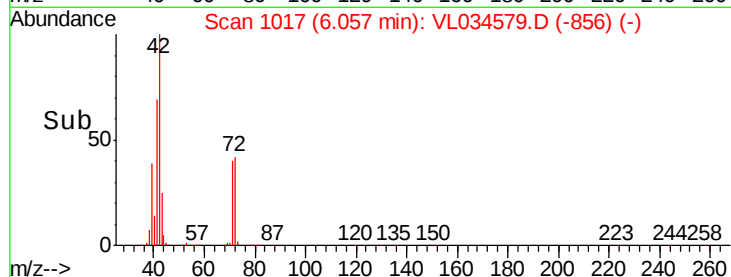
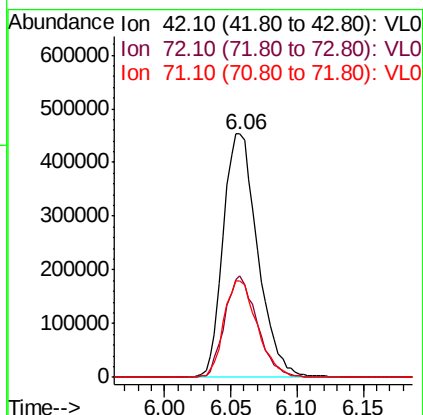
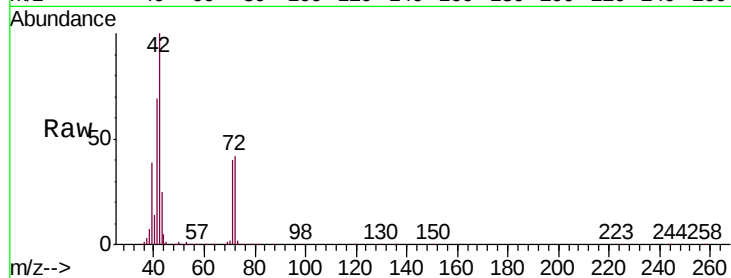




#41
Tetrahydrofuran
Concen: 9.282 ppbv
RT: 6.06 min Scan# 1017
Delta R.T. 0.02 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

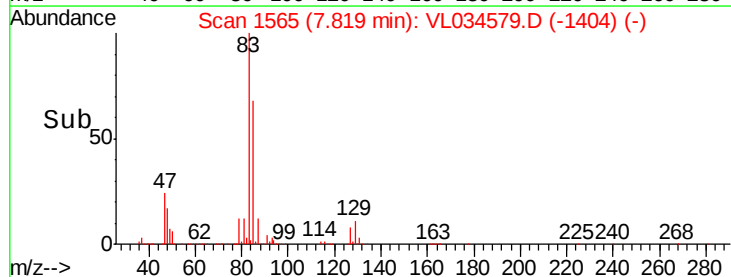
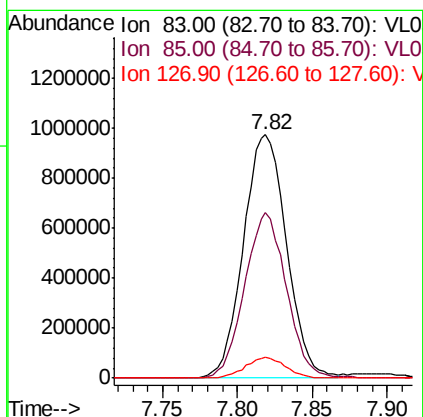
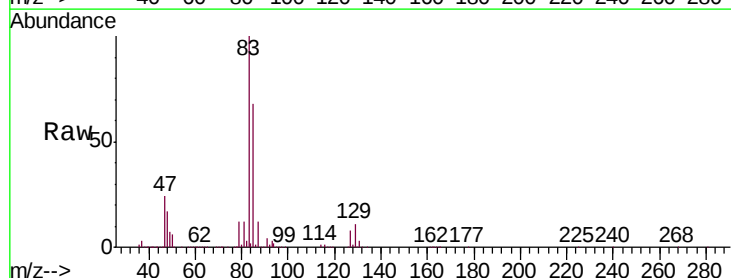
Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

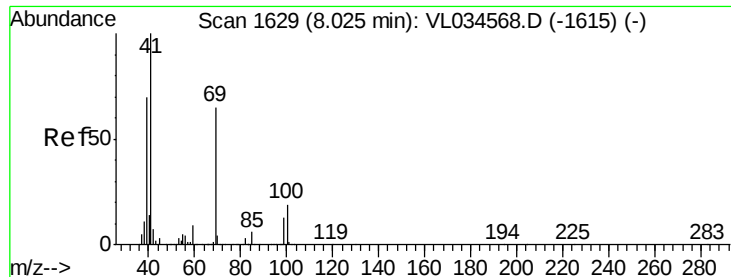
Tgt Ion: 42 Resp: 822300
Ion Ratio Lower Upper
42 100
72 39.0 31.8 47.8
71 38.5 30.2 45.4



#42
Bromodichloromethane
Concen: 9.160 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion: 83 Resp: 1956248
Ion Ratio Lower Upper
83 100
85 68.0 53.2 79.8
127 8.5 6.5 9.7

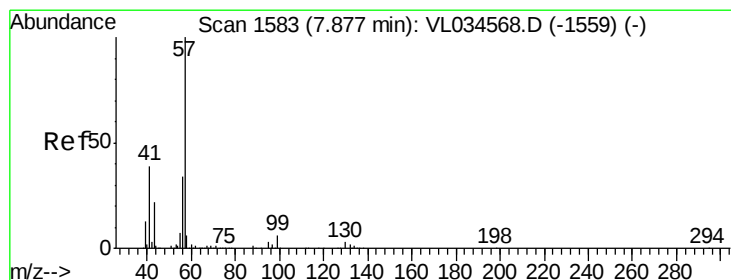
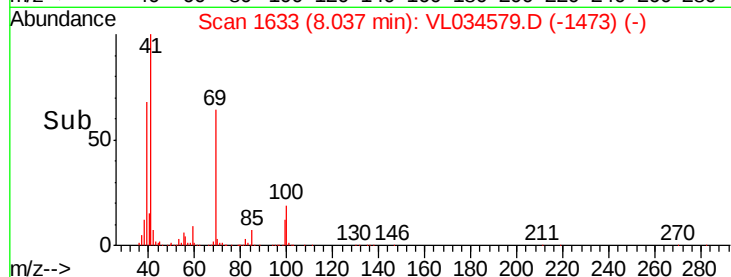
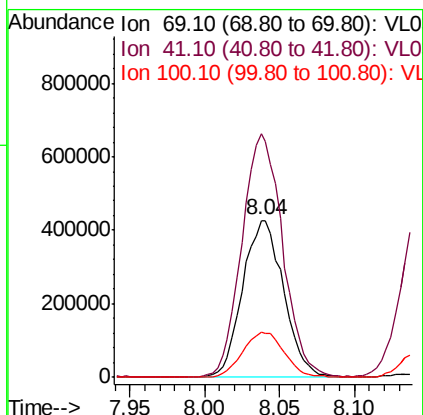
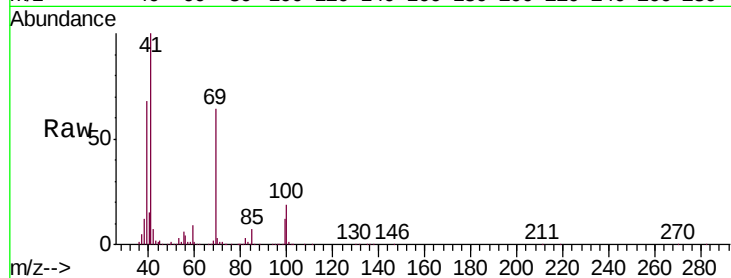




#43
Methyl Methacrylate
Concen: 9.741 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

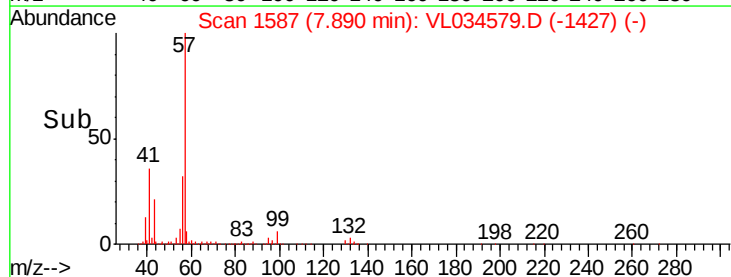
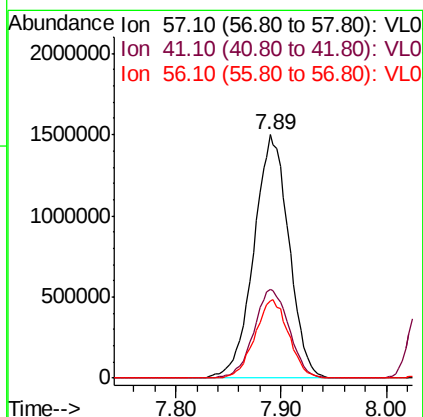
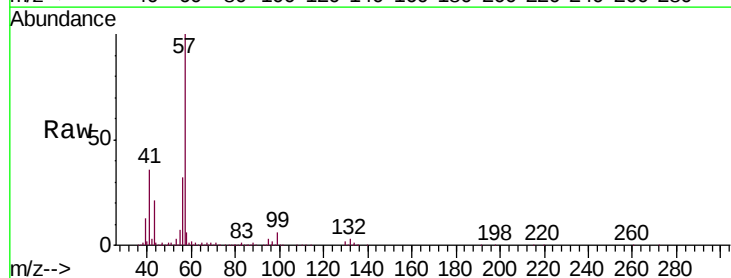
Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

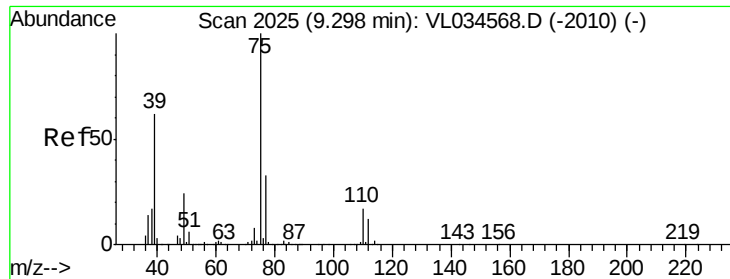
Tgt Ion: 69 Resp: 814910
Ion Ratio Lower Upper
69 100
41 154.0 123.9 185.9
100 29.4 24.1 36.1



#44
2,2,4-Trimethylpentane
Concen: 9.191 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion: 57 Resp: 3468238
Ion Ratio Lower Upper
57 100
41 36.4 28.9 43.3
56 31.1 25.5 38.3

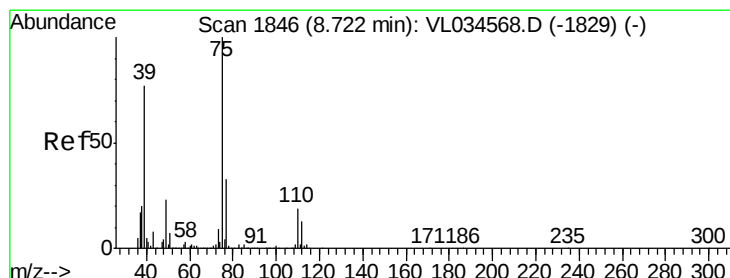
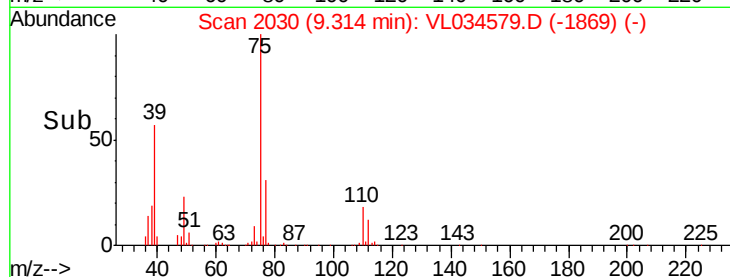
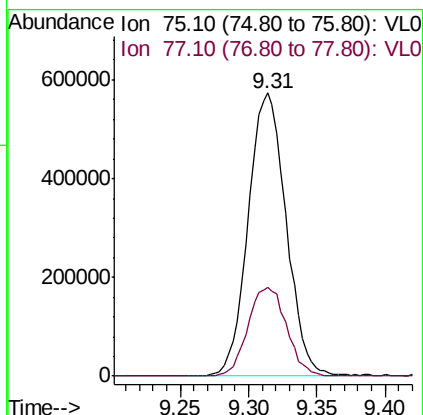
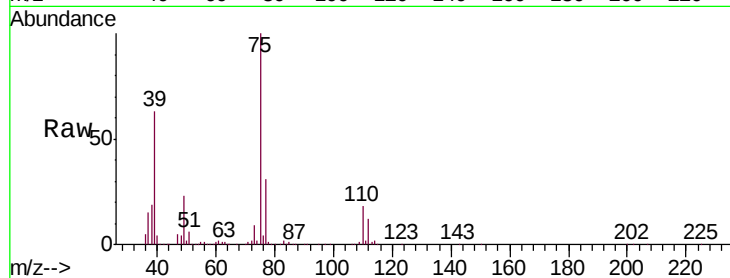




#45
 t-1,3-Dichloropropene
 Concen: 10.099 ppbv
 RT: 9.31 min Scan# 2030
 Delta R.T. 0.02 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

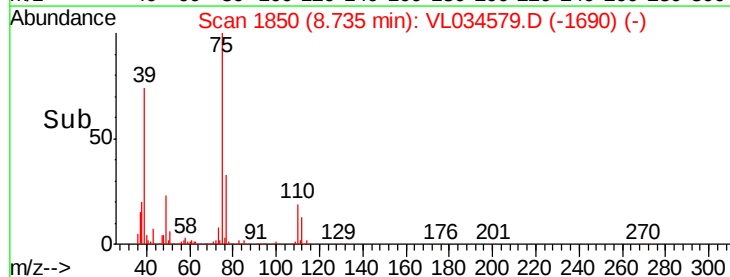
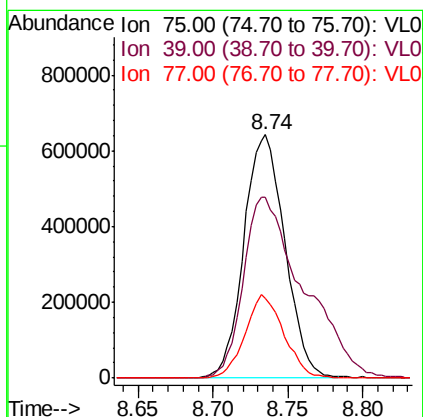
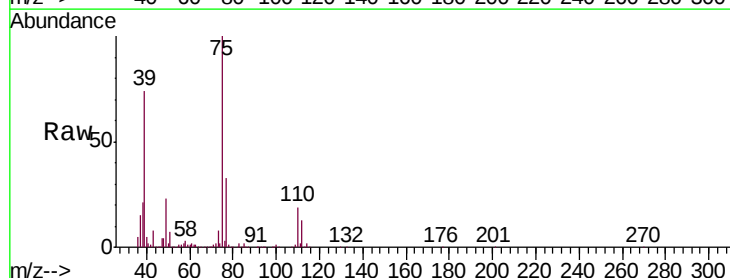
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

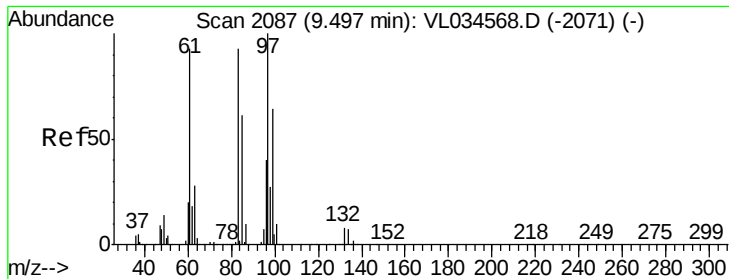
Tgt Ion: 75 Resp: 1106208
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.7 40.1



#46
 cis-1,3-Dichloropropene
 Concen: 9.858 ppbv
 RT: 8.74 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 75 Resp: 1227346
 Ion Ratio Lower Upper
 75 100
 39 74.0 61.9 92.9
 77 32.7 26.1 39.1

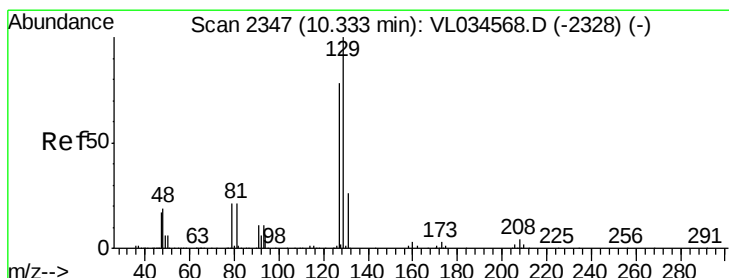
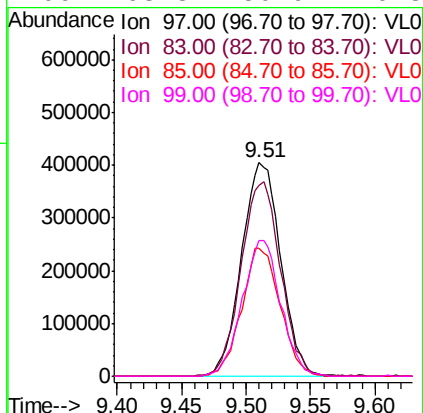
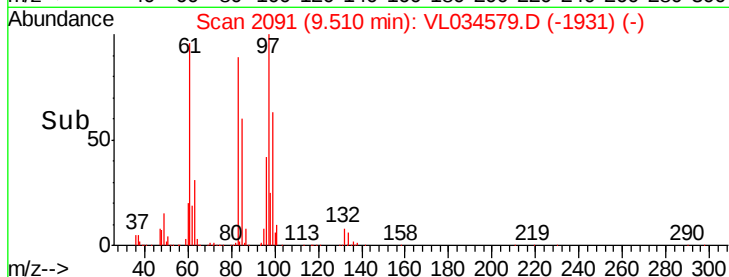
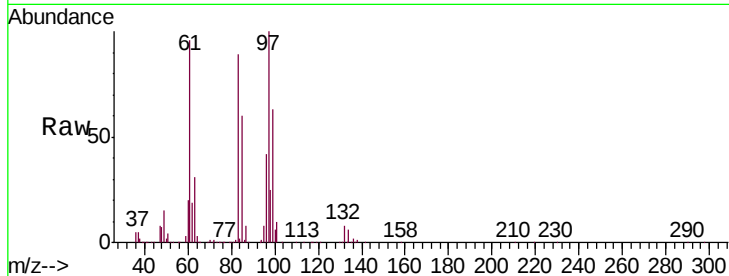




#47
 1,1,2-Trichloroethane
 Concen: 9.207 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

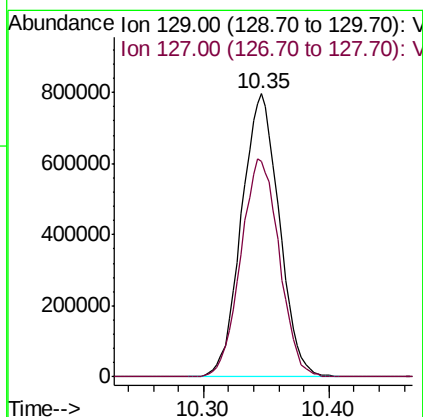
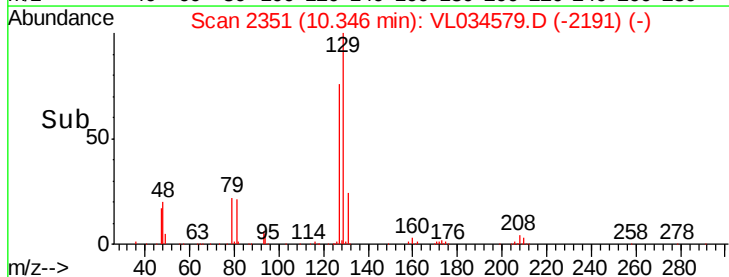
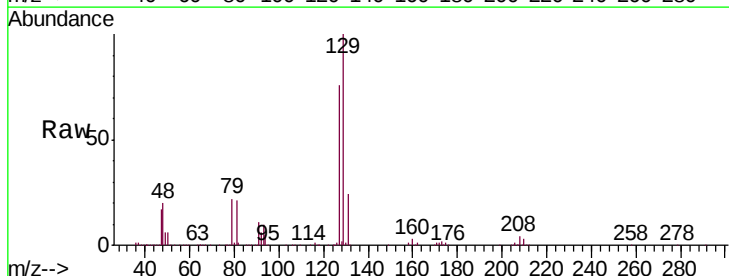
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

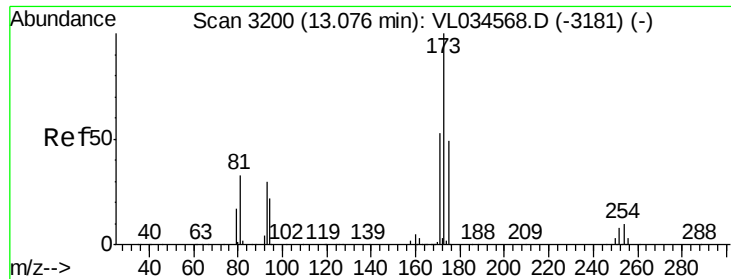
Tgt Ion:	97	Resp:	859836
Ion	Ratio	Lower	Upper
97	100		
83	89.4	74.4	111.6
85	59.8	49.2	73.8
99	63.3	50.9	76.3



#48
 Dibromochloromethane
 Concen: 9.721 ppbv
 RT: 10.35 min Scan# 2351
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion:	129	Resp:	1663548
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.1	117.2





#49

Bromoform

Concen: 9.878 ppbv

RT: 13.10 min Scan# 3206

Delta R.T. 0.02 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

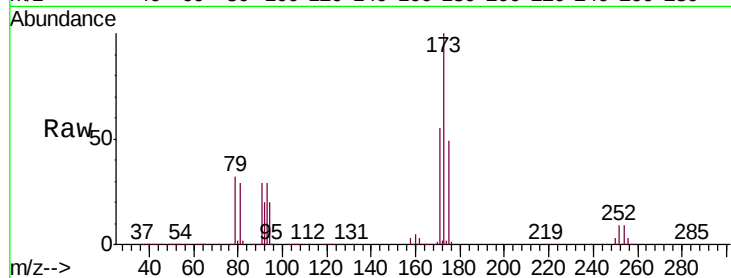
Tgt Ion:173 Resp: 1484051

Ion Ratio Lower Upper

173 100

175 49.6 39.7 59.5

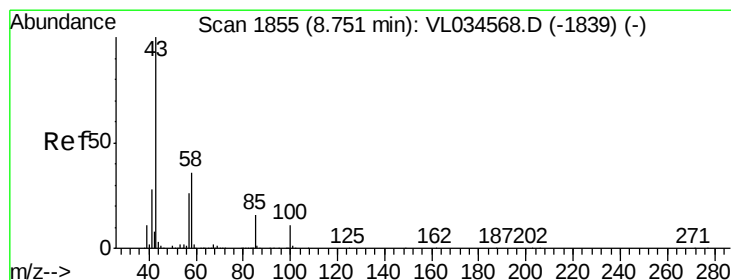
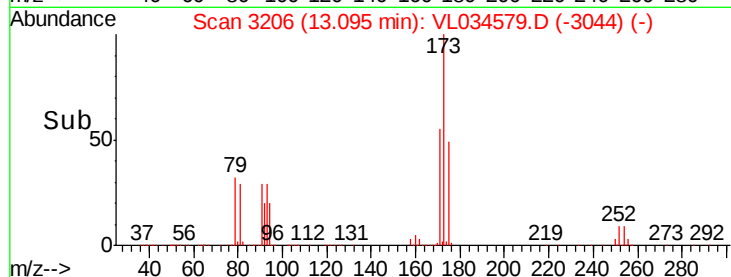
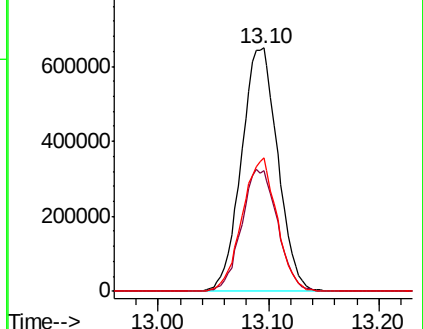
171 52.5 41.6 62.4



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.347 ppbv

RT: 8.77 min Scan# 1860

Delta R.T. 0.02 min

Lab File: VL034579.D

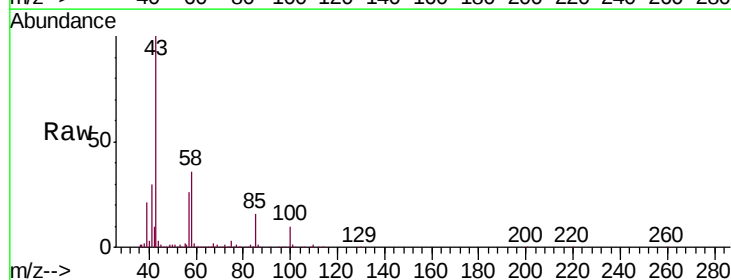
Acq: 4 Feb 2020 13:56

Tgt Ion: 43 Resp: 2263728

Ion Ratio Lower Upper

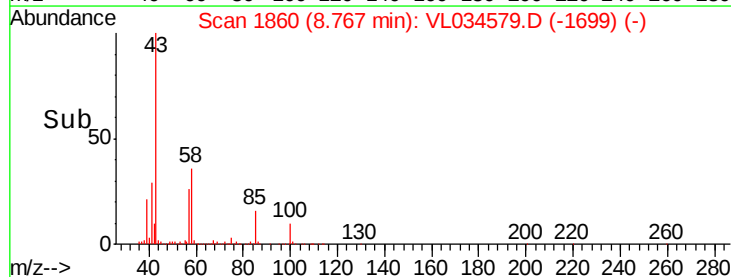
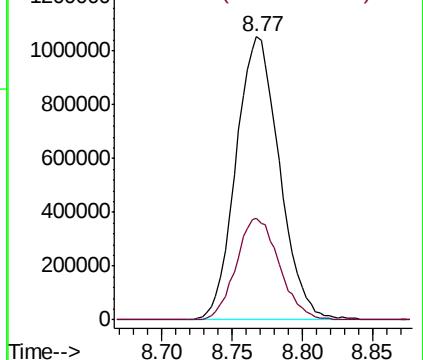
43 100

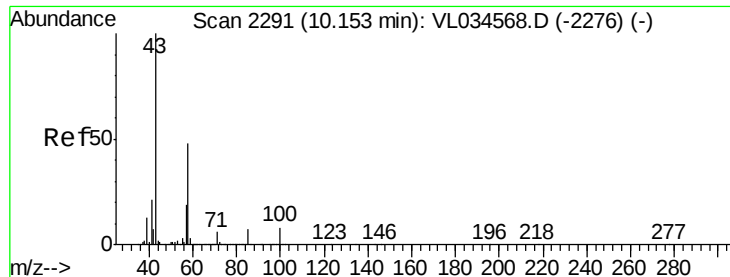
58 35.9 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

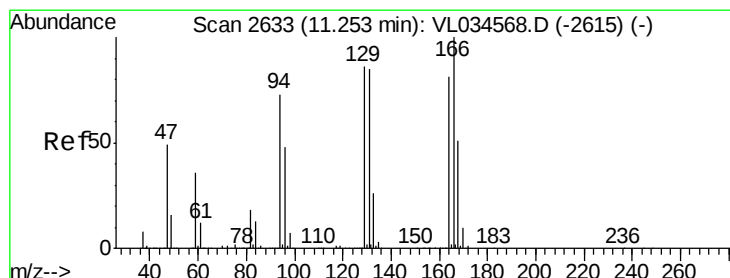
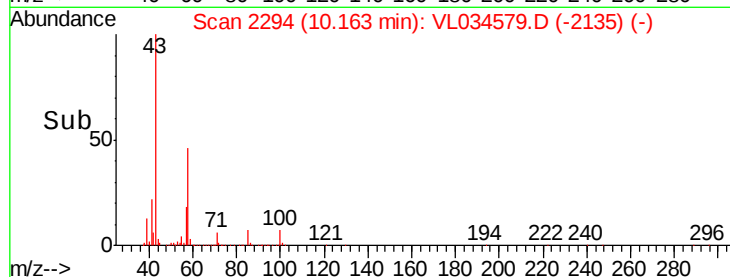
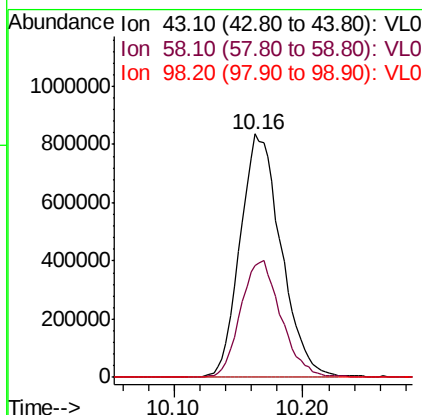
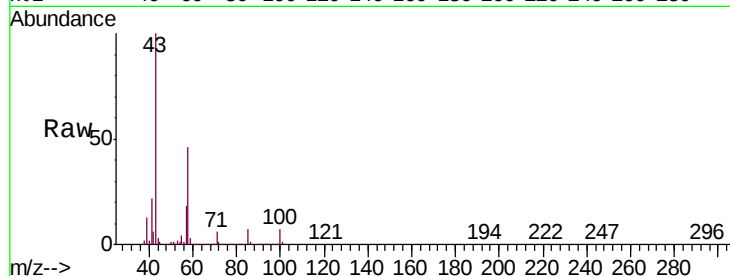




#51
2-Hexanone
Concen: 9.690 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

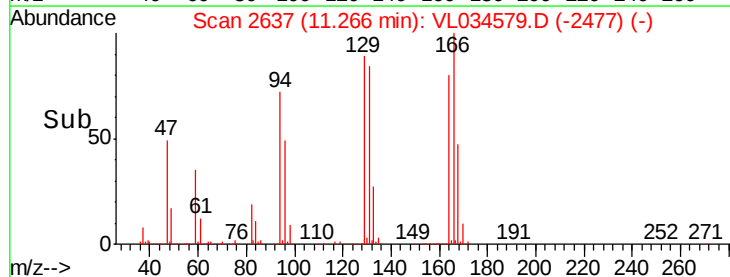
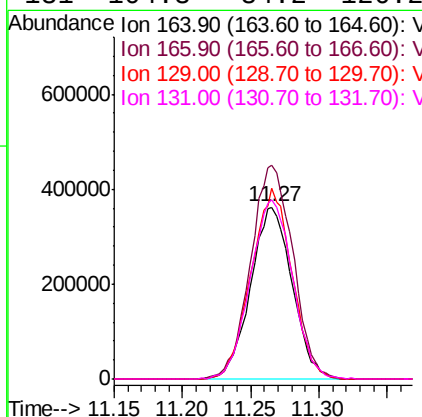
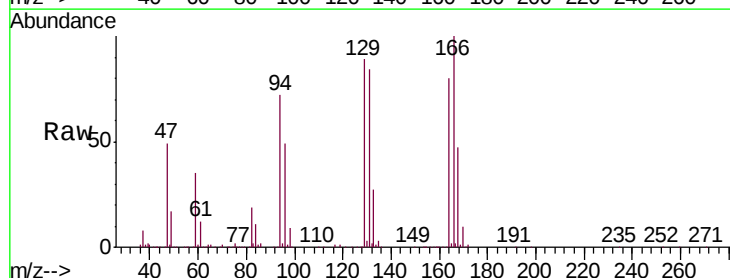
Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

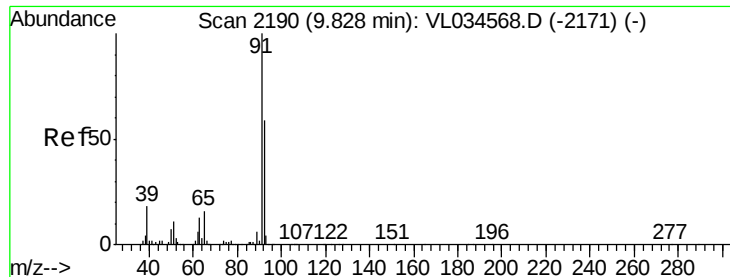
Tgt Ion: 43 Resp: 1847331
Ion Ratio Lower Upper
43 100
58 47.6 37.9 56.9
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 9.141 ppbv
RT: 11.27 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion: 164 Resp: 763760
Ion Ratio Lower Upper
164 100
166 124.5 99.0 148.4
129 111.1 85.3 127.9
131 104.3 84.2 126.2





#53

Toluene

Concen: 9.894 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

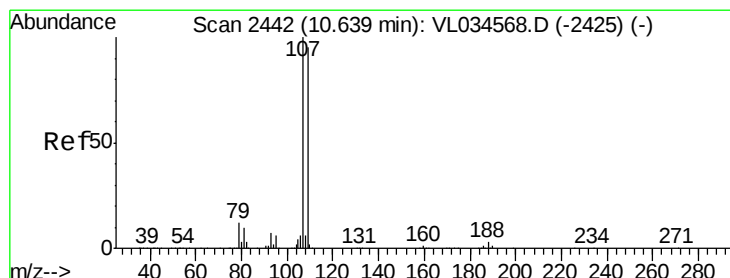
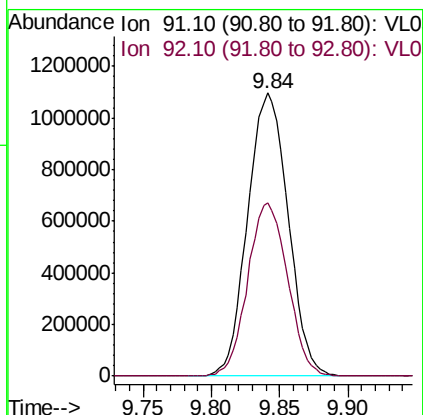
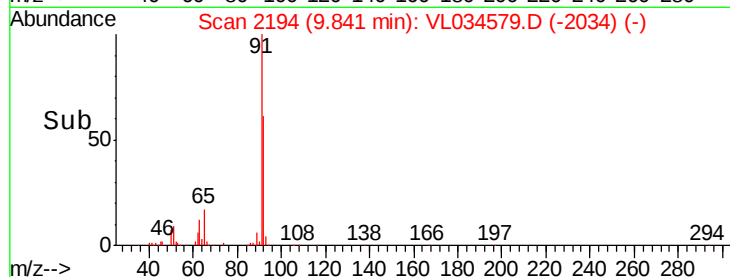
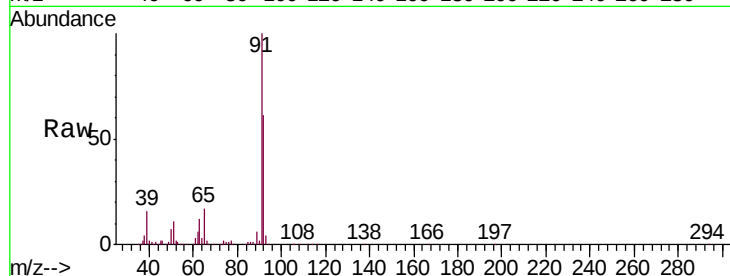
VL0204ABS01

Tgt Ion: 91 Resp: 2260710

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 9.710 ppbv

RT: 10.65 min Scan# 2447

Delta R.T. 0.02 min

Lab File: VL034579.D

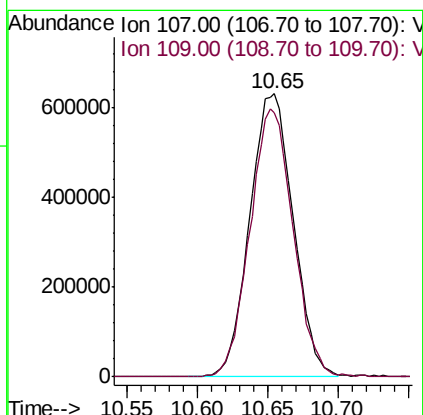
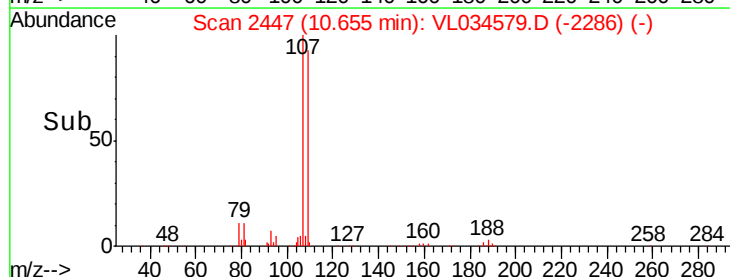
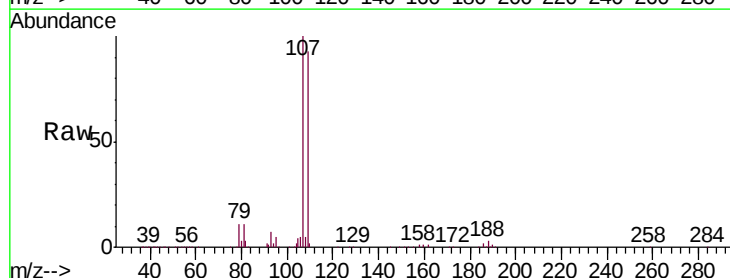
Acq: 4 Feb 2020 13:56

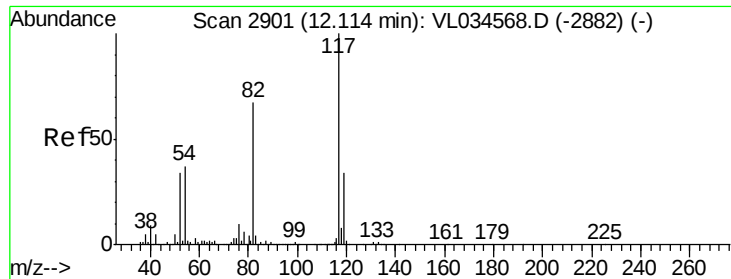
Tgt Ion: 107 Resp: 1358796

Ion Ratio Lower Upper

107 100

109 93.3 75.9 113.9

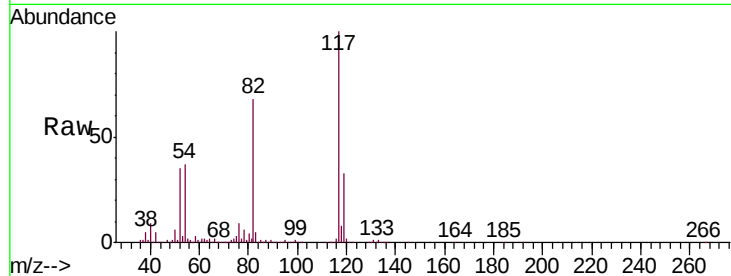




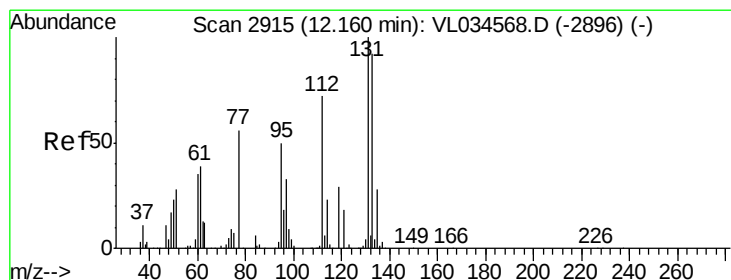
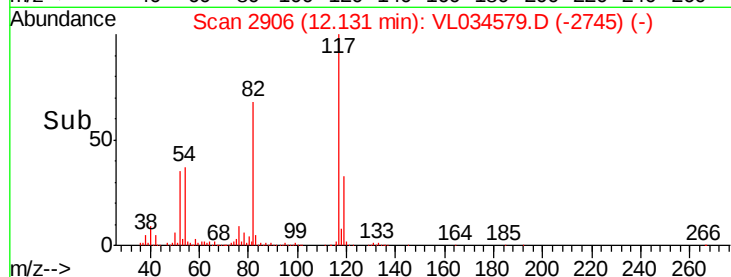
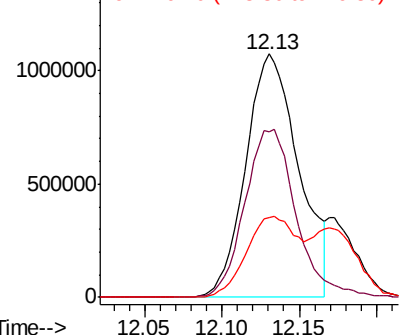
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

Tgt Ion:117 Resp: 2562070
Ion Ratio Lower Upper
117 100
82 67.2 54.2 81.4
119 33.7 26.1 39.1

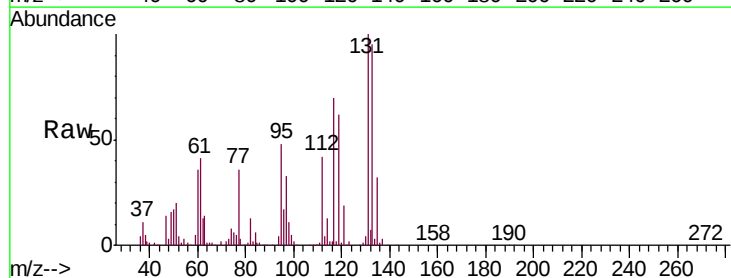


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

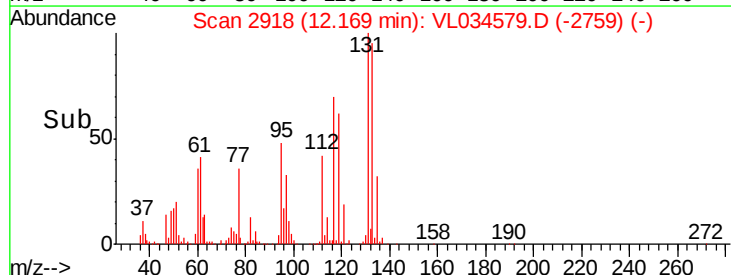
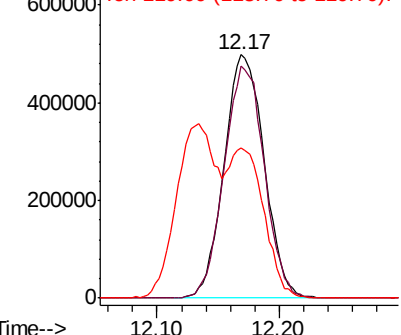


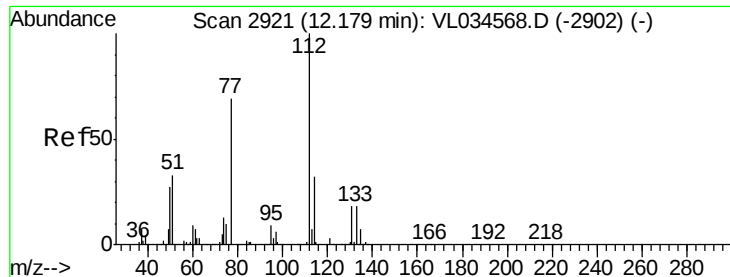
#56
1,1,1,2-Tetrachloroethane
Concen: 8.934 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion:131 Resp: 1130067
Ion Ratio Lower Upper
131 100
133 95.5 75.8 113.8
119 52.0 47.0 70.6



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: 8.504 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.02 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

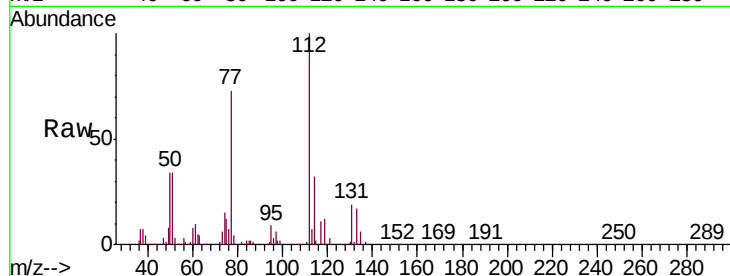
Tgt Ion: 112 Resp: 1792886

Ion Ratio Lower Upper

112 100

77 72.8 56.5 84.7

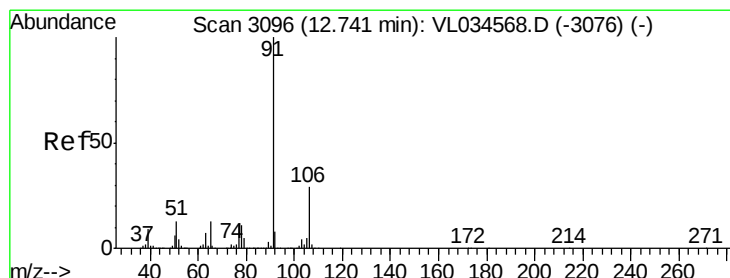
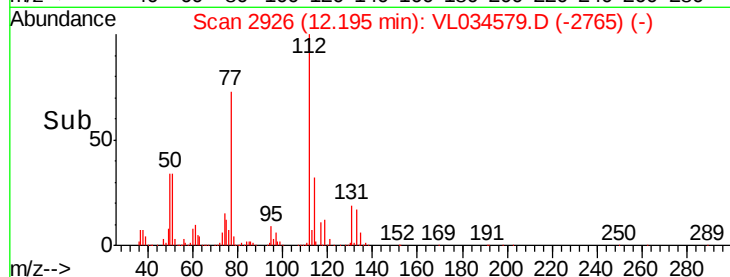
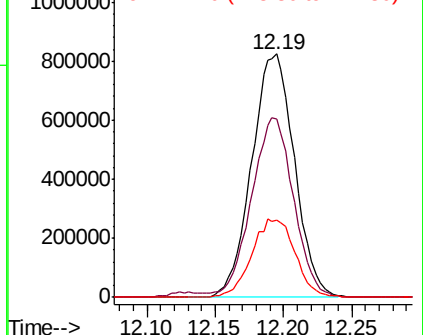
114 31.8 29.2 35.6



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: 9.247 ppbv

RT: 12.75 min Scan# 3100

Delta R.T. 0.01 min

Lab File: VL034579.D

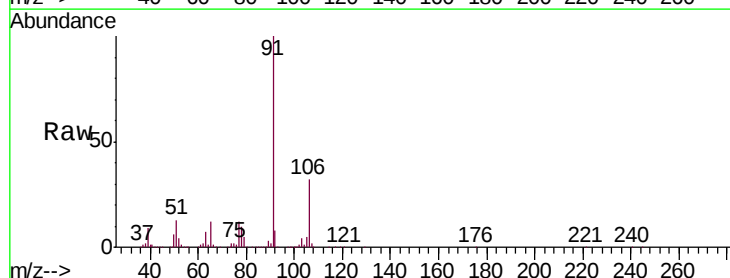
Acq: 4 Feb 2020 13:56

Tgt Ion: 91 Resp: 3170283

Ion Ratio Lower Upper

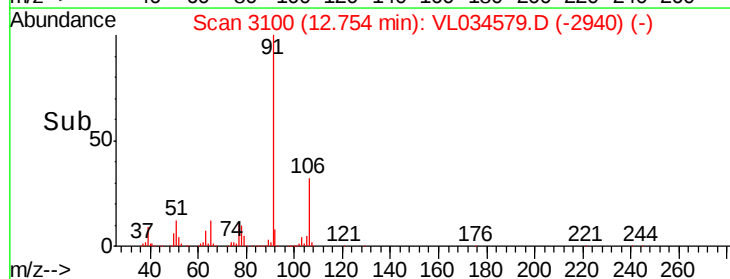
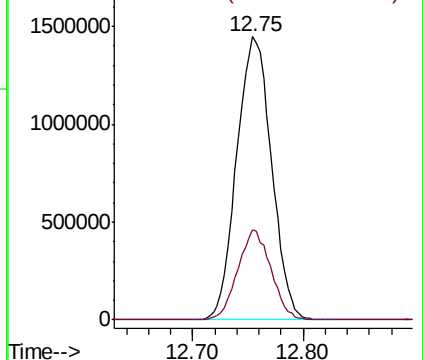
91 100

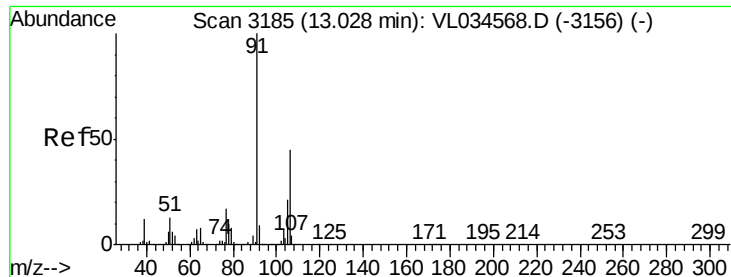
106 31.6 23.3 34.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 8.246 ppbv

RT: 13.04 min Scan# 3190

Delta R.T. 0.02 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

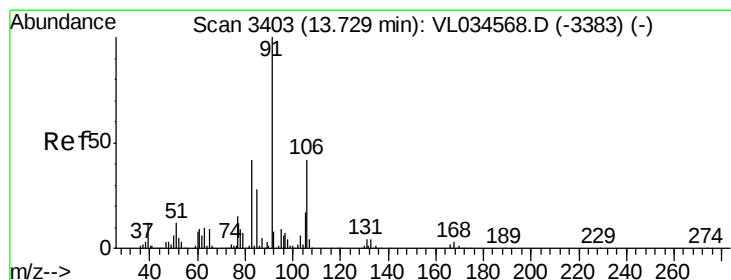
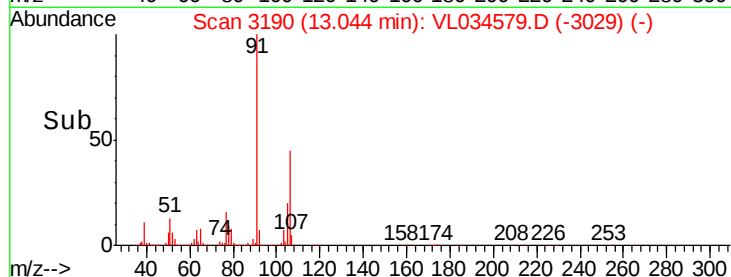
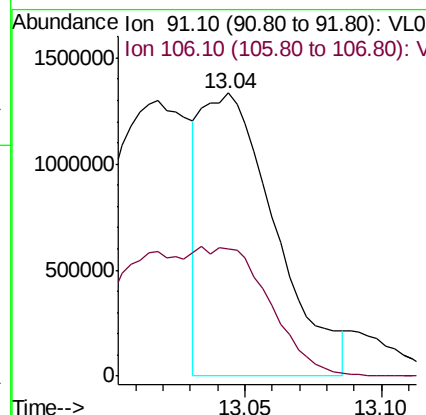
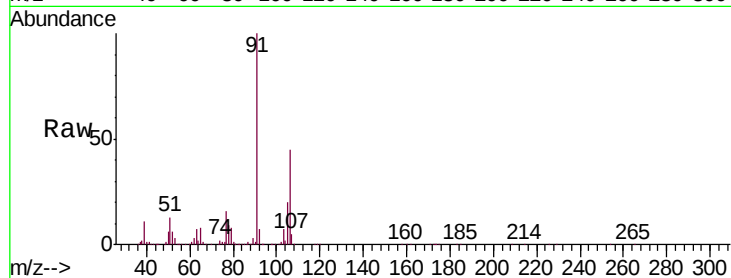
VL0204ABS01

Tgt Ion: 91 Resp: 2499070

Ion Ratio Lower Upper

91 100

106 94.2 35.3 52.9#



#60

o-Xylene

Concen: 9.025 ppbv

RT: 13.74 min Scan# 3407

Delta R.T. 0.01 min

Lab File: VL034579.D

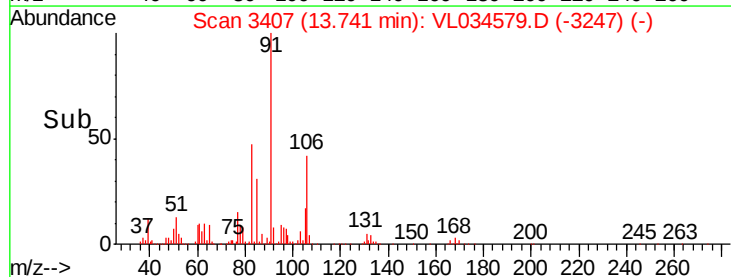
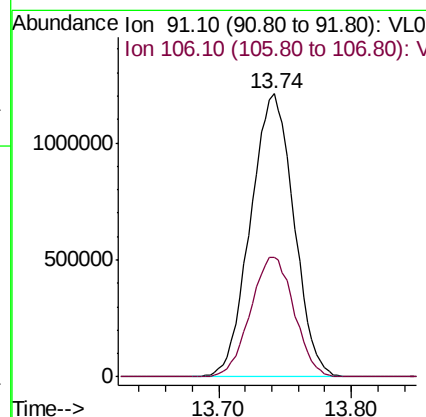
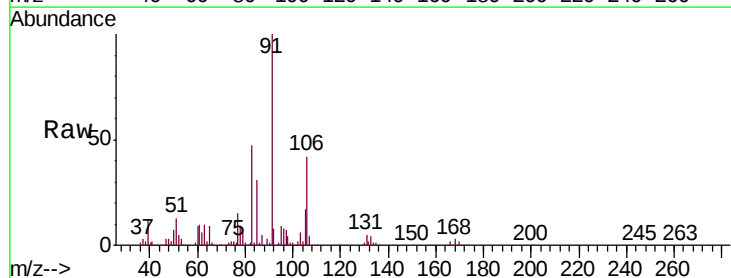
Acq: 4 Feb 2020 13:56

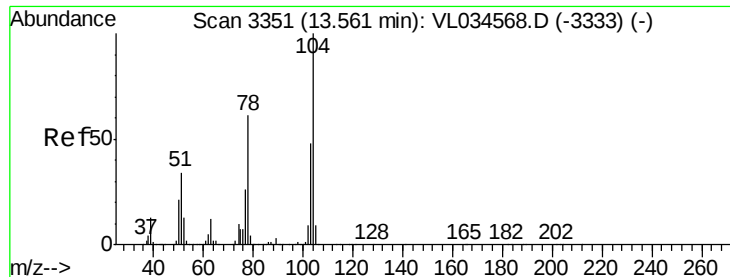
Tgt Ion: 91 Resp: 2746906

Ion Ratio Lower Upper

91 100

106 42.7 21.6 65.0





#61

Styrene

Concen: 9.378 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.01 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

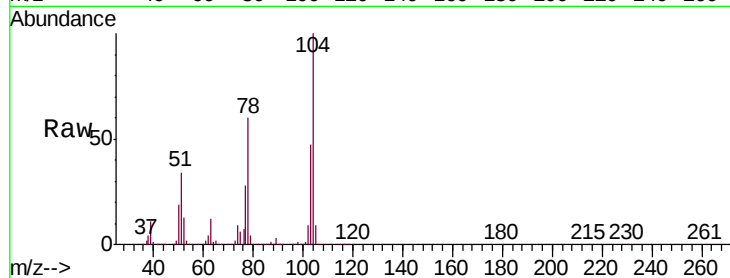
Tgt Ion:104 Resp: 1903174

Ion Ratio Lower Upper

104 100

78 59.8 47.0 70.6

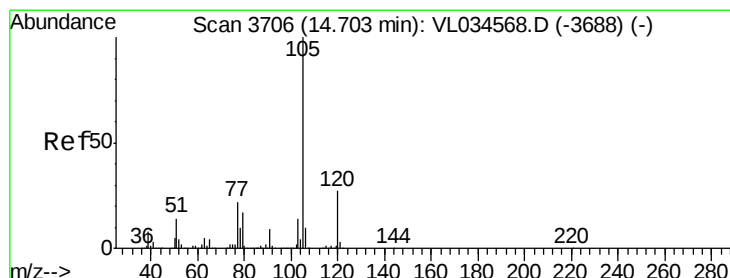
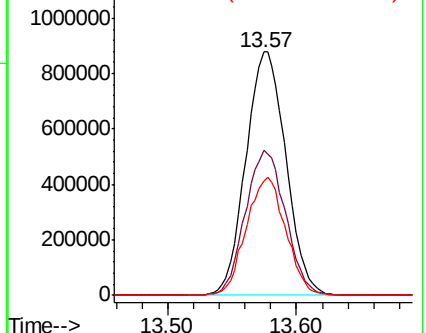
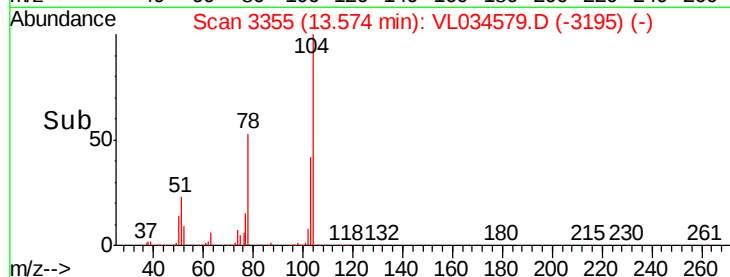
103 47.9 38.5 57.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.085 ppbv

RT: 14.72 min Scan# 3710

Delta R.T. 0.01 min

Lab File: VL034579.D

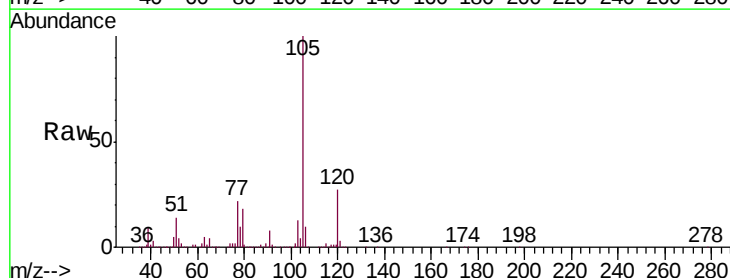
Acq: 4 Feb 2020 13:56

Tgt Ion:105 Resp: 3583412

Ion Ratio Lower Upper

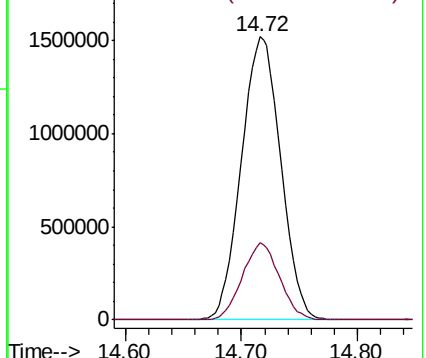
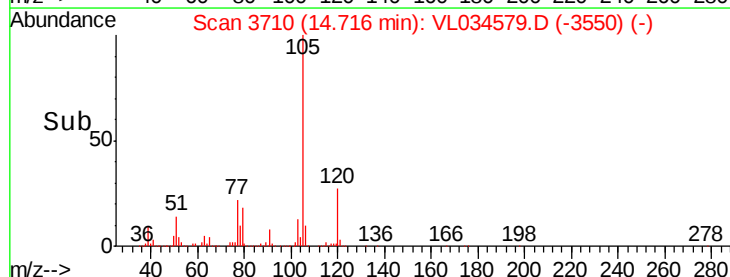
105 100

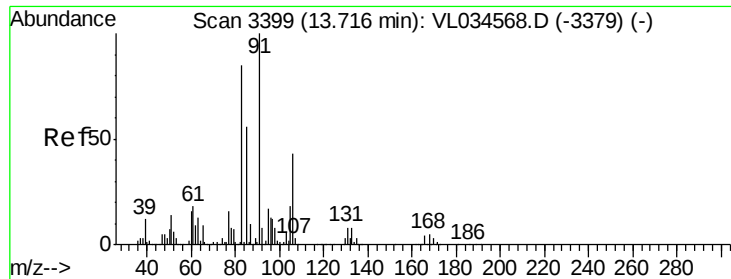
120 25.9 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

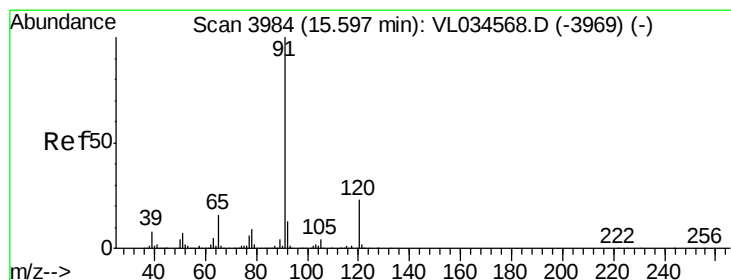
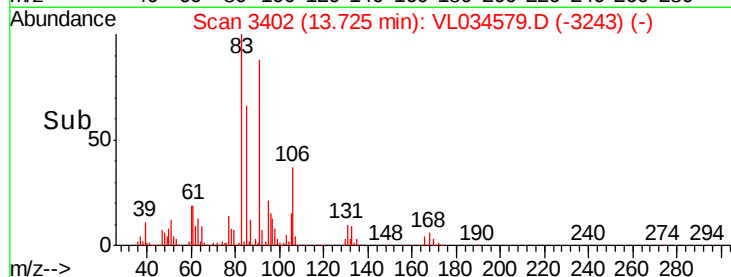
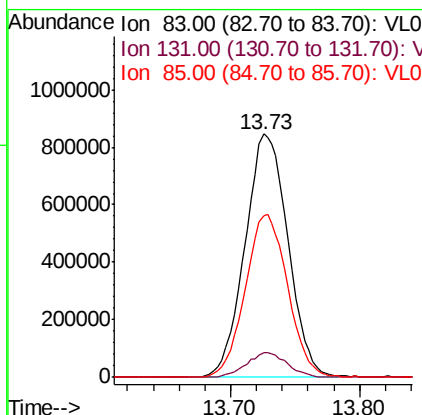
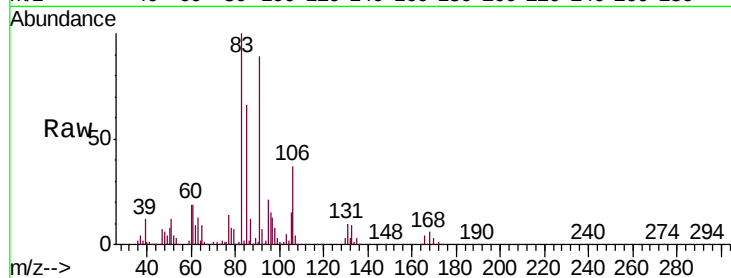




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.334 ppbv
 RT: 13.73 min Scan# 3402
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

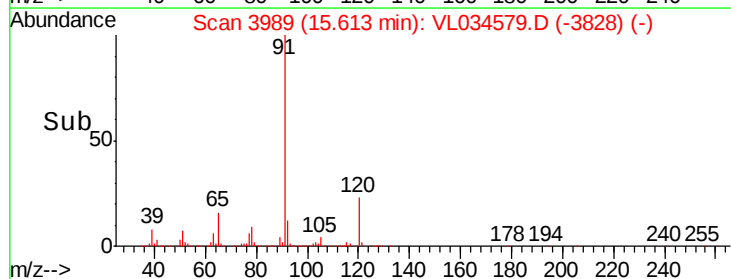
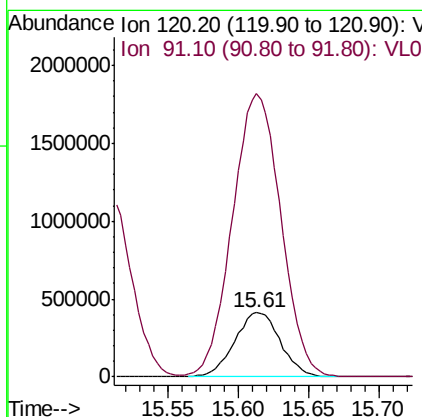
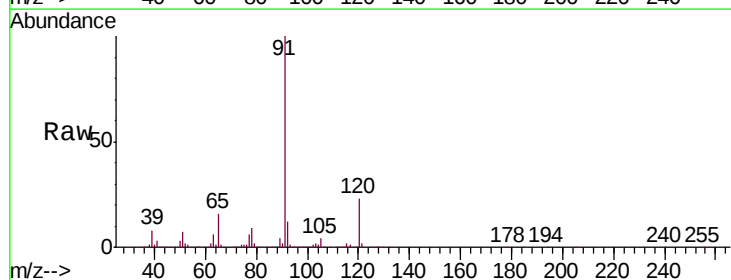
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

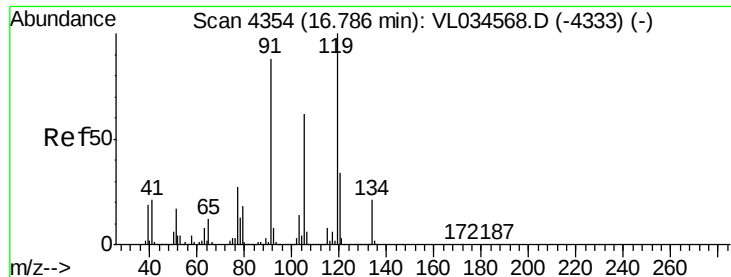
Tgt Ion: 83 Resp: 1961688
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.6
 85 66.3 32.6 98.0



#64
 n-propylbenzene
 Concen: 9.181 ppbv
 RT: 15.61 min Scan# 3989
 Delta R.T. 0.02 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 120 Resp: 931606
 Ion Ratio Lower Upper
 120 100
 91 469.8 365.3 547.9

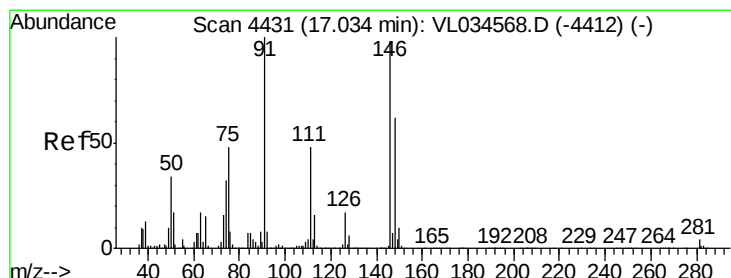
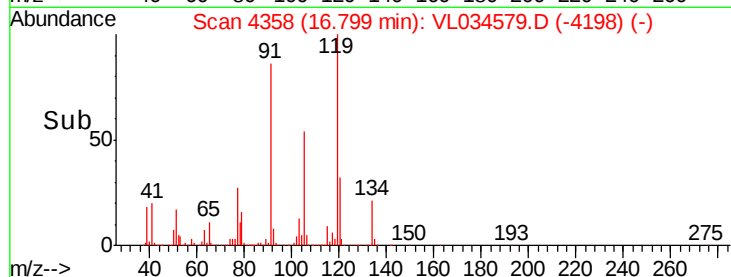
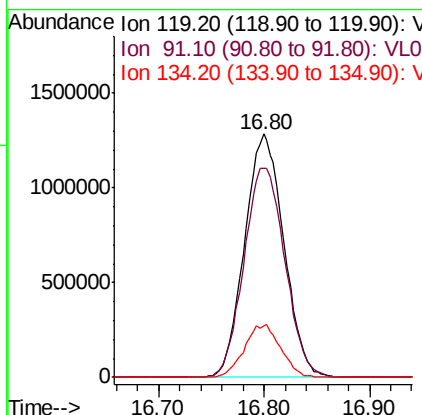
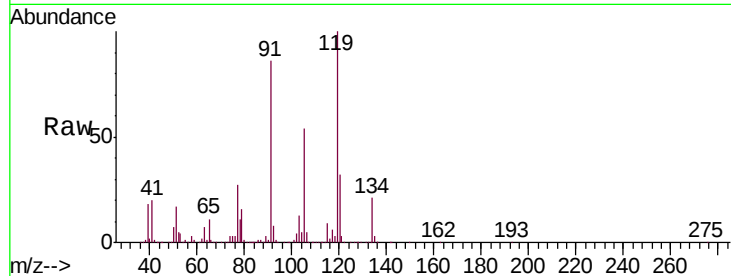




#65
 tert-Butylbenzene
 Concen: 9.276 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

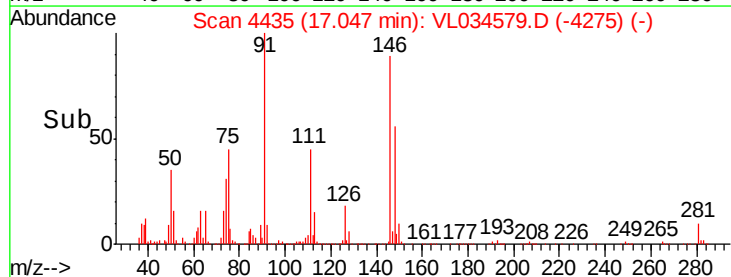
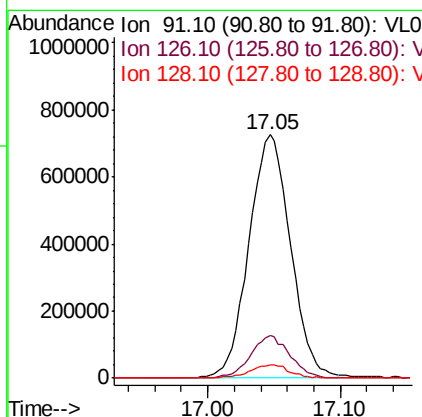
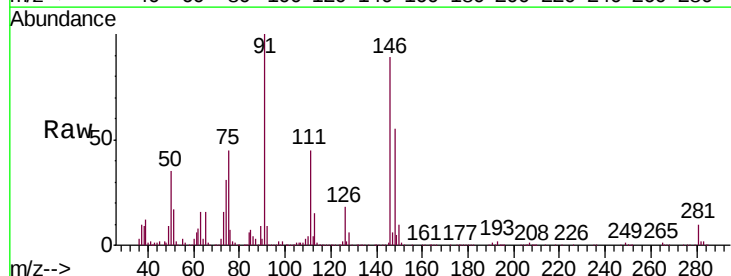
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

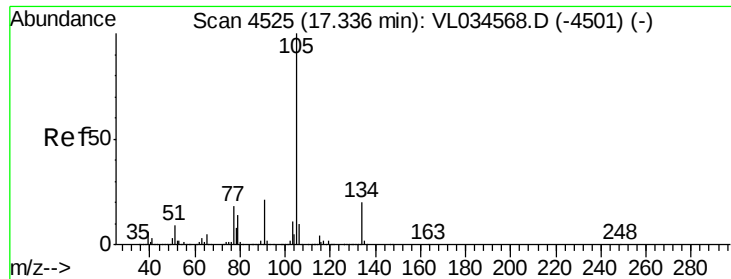
Tgt Ion: 119 Resp: 3314456
 Ion Ratio Lower Upper
 119 100
 91 90.5 72.2 108.4
 134 20.2 15.9 23.9



#66
 Benzyl Chloride
 Concen: 10.505 ppbv
 RT: 17.05 min Scan# 4435
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 91 Resp: 1573975
 Ion Ratio Lower Upper
 91 100
 126 16.5 13.4 20.0
 128 5.3 4.3 6.5

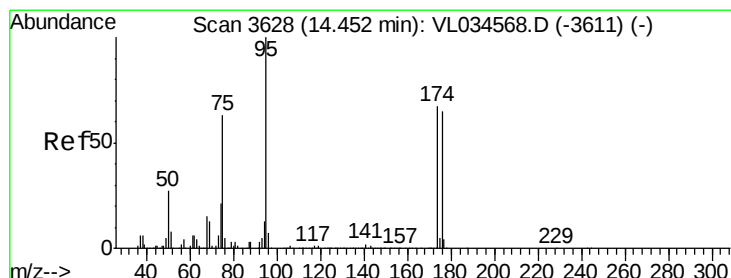
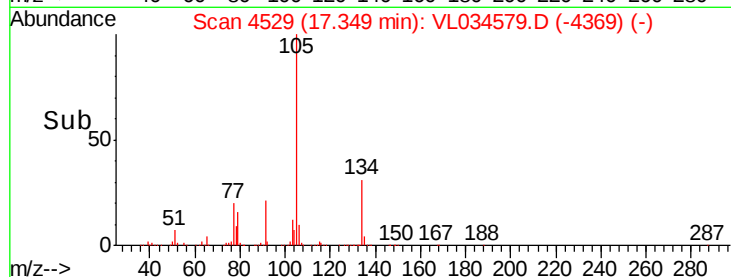
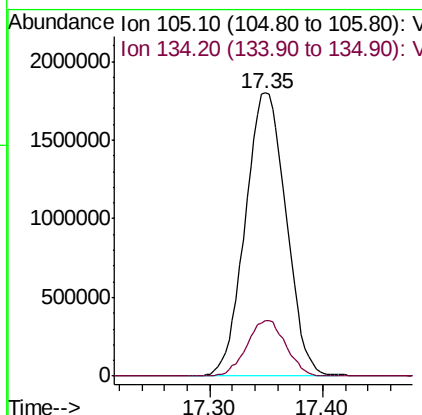
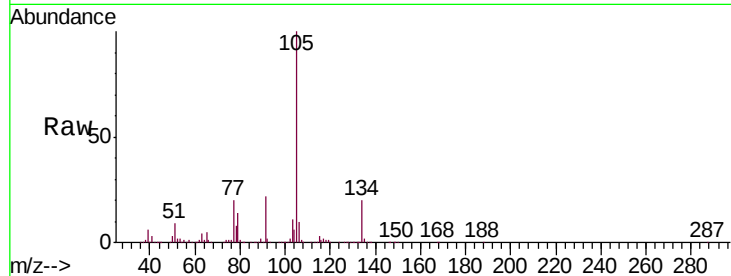




#67
 sec-Butylbenzene
 Concen: 9.197 ppbv
 RT: 17.35 min Scan# 4529
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

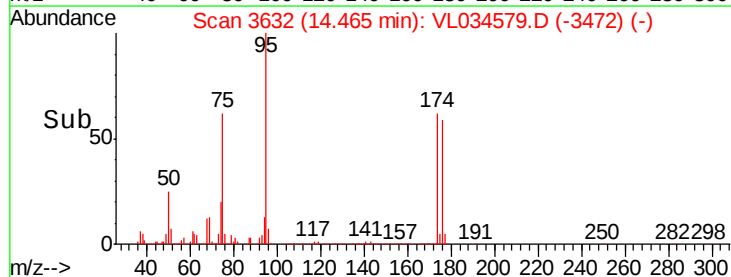
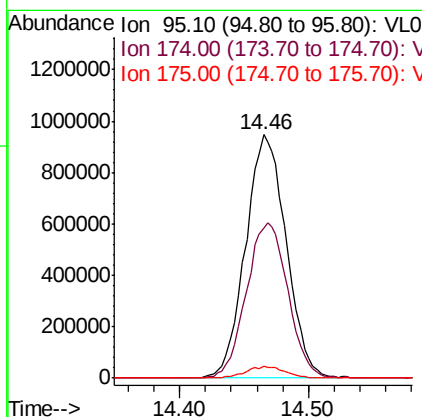
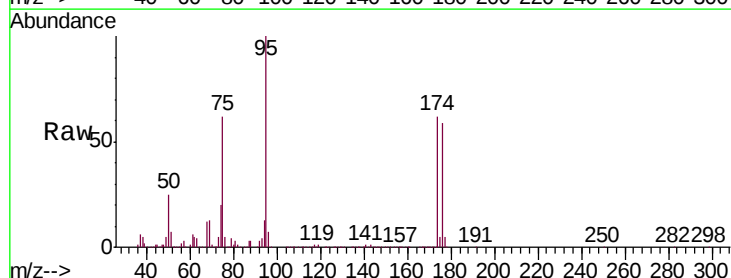
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

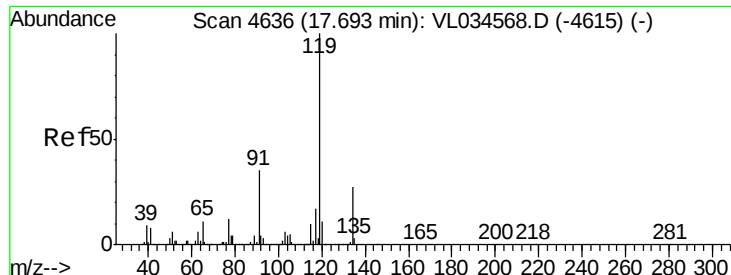
Tgt Ion: 105 Resp: 4516638
 Ion Ratio Lower Upper
 105 100
 134 18.9 15.5 23.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.570 ppbv
 RT: 14.46 min Scan# 3632
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 95 Resp: 2072131
 Ion Ratio Lower Upper
 95 100
 174 65.5 52.3 78.5
 175 4.7 3.8 5.6

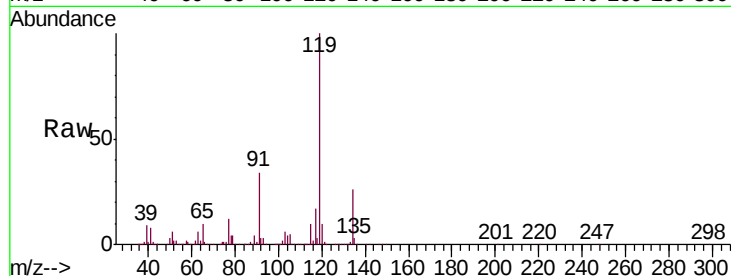




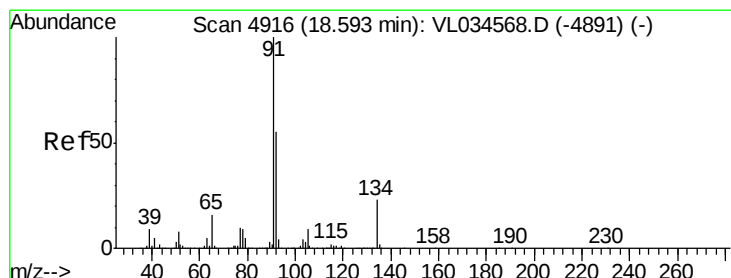
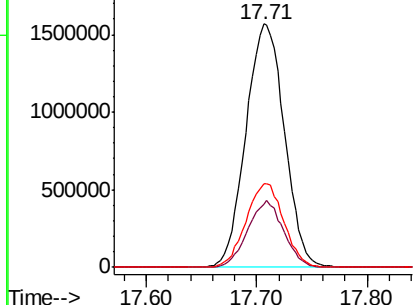
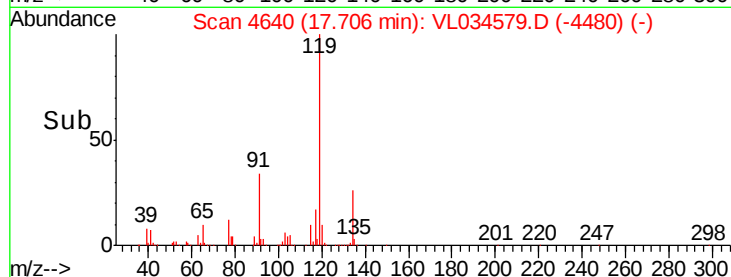
#69
 p-Isopropyltoluene
 Concen: 9.497 ppbv
 RT: 17.71 min Scan# 4640
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

Tgt Ion: 119 Resp: 3787017
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.7 31.1
 91 33.9 26.9 40.3

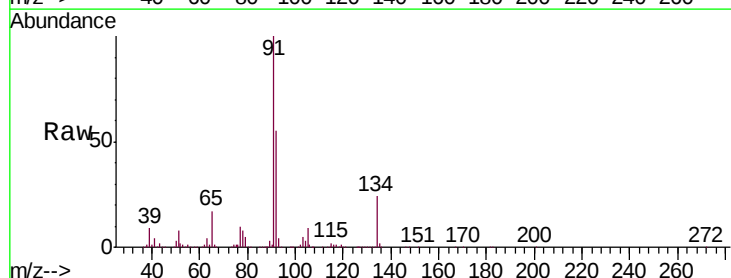


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

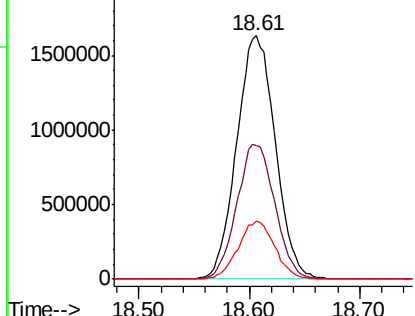
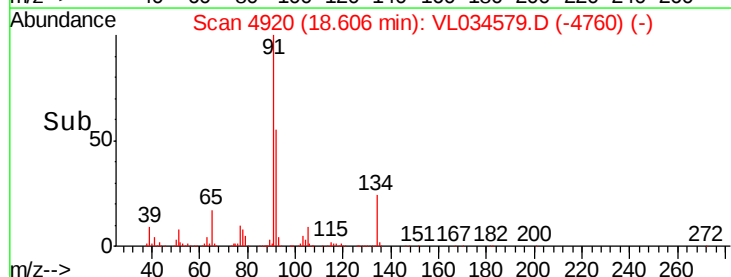


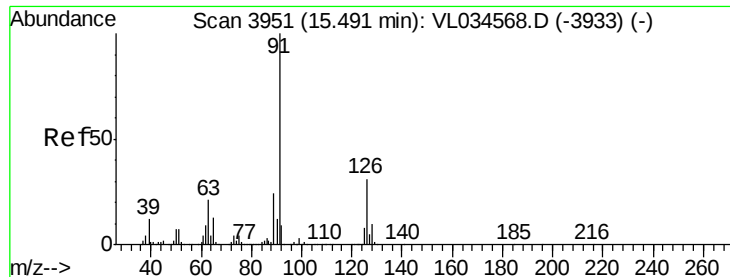
#70
 n-Butylbenzene
 Concen: 9.328 ppbv
 RT: 18.61 min Scan# 4920
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion: 91 Resp: 3948106
 Ion Ratio Lower Upper
 91 100
 92 54.8 43.6 65.4
 134 22.7 18.2 27.4



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





#71

2-Chlorotoluene

Concen: 9.343 ppbv

RT: 15.51 min Scan# 3956

Delta R.T. 0.02 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

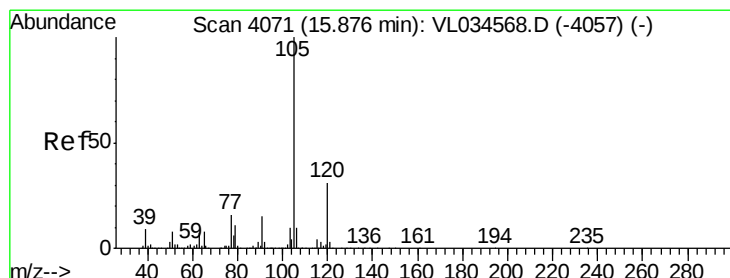
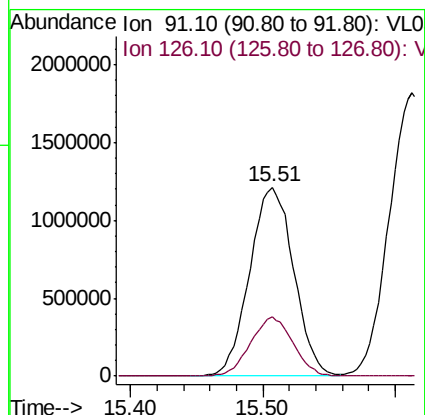
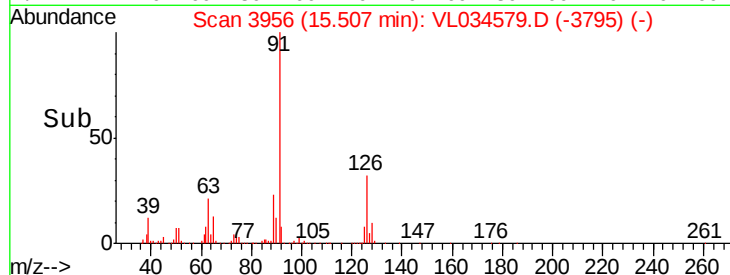
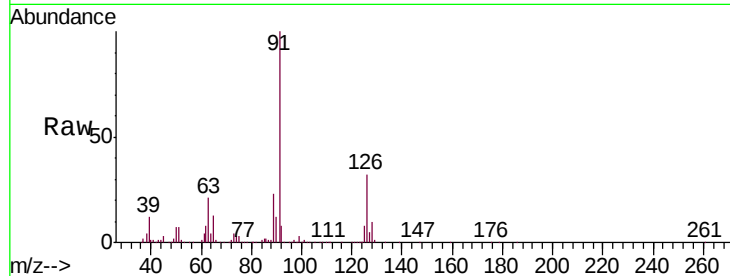
VL0204ABS01

Tgt Ion: 91 Resp: 2797134

Ion Ratio Lower Upper

91 100

126 30.2 12.0 47.8



#72

4-Ethyltoluene

Concen: 9.154 ppbv

RT: 15.89 min Scan# 4076

Delta R.T. 0.02 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Tgt Ion: 105 Resp: 3060564

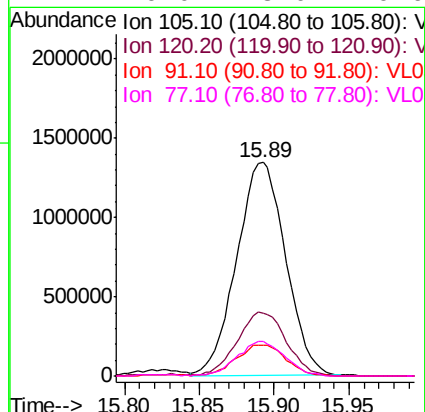
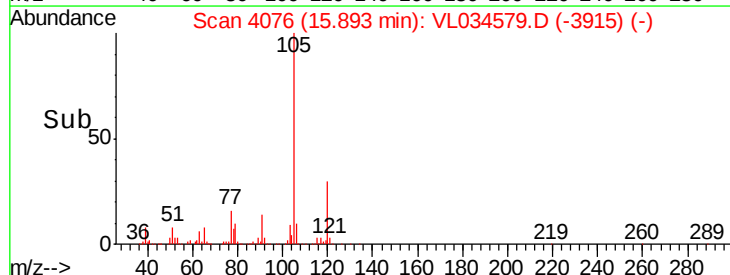
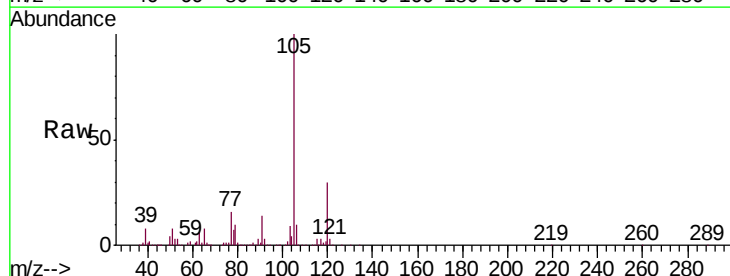
Ion Ratio Lower Upper

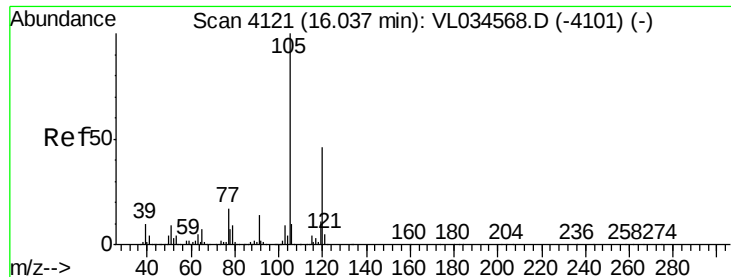
105 100

120 30.0 23.8 35.6

91 14.9 11.8 17.8

77 16.0 13.0 19.6

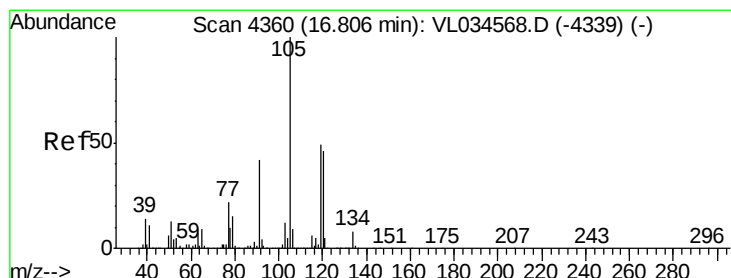
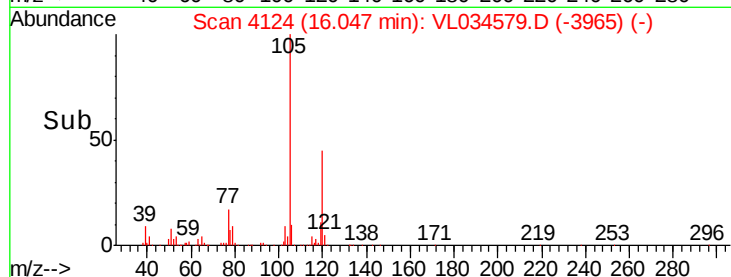
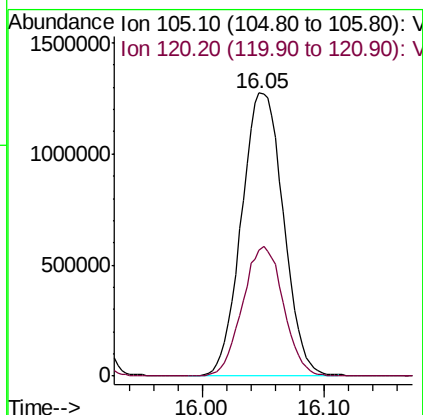
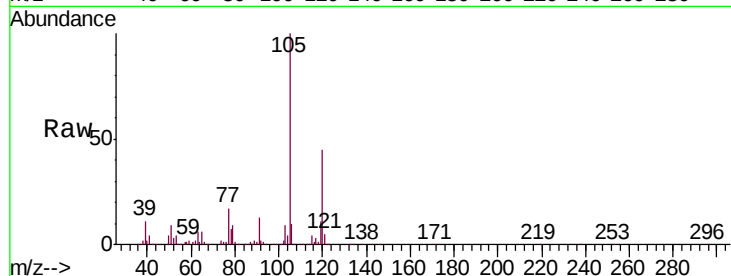




#73
 1,3,5-Trimethylbenzene
 Concen: 9.251 ppbv
 RT: 16.05 min Scan# 4124
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

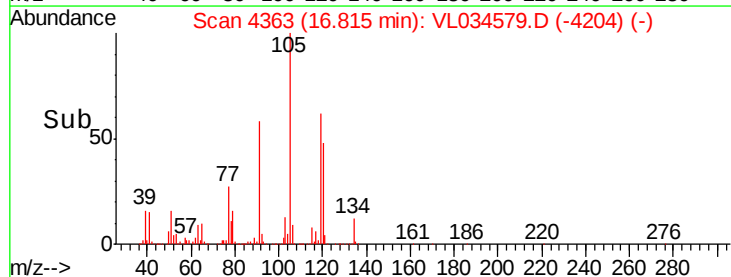
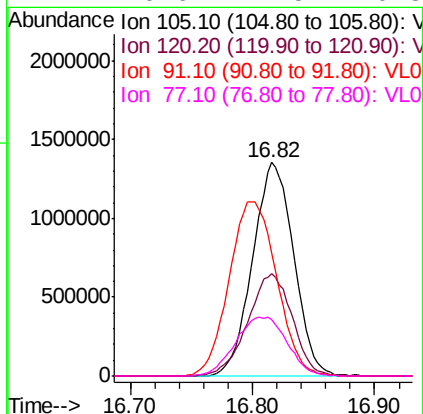
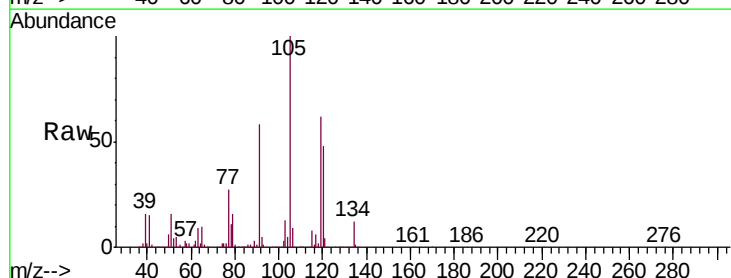
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

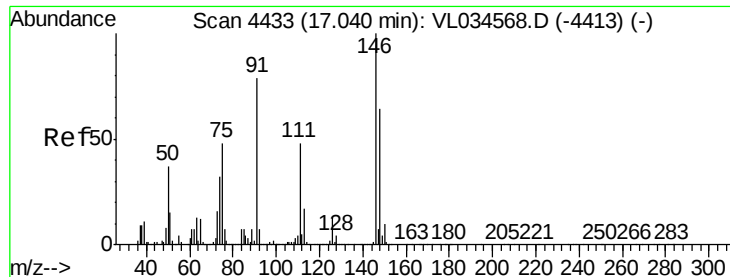
Tgt Ion:105 Resp: 3022167
 Ion Ratio Lower Upper
 105 100
 120 44.7 37.0 55.6



#74
 1,2,4-Trimethylbenzene
 Concen: 8.744 ppbv
 RT: 16.82 min Scan# 4363
 Delta R.T. 0.01 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion:105 Resp: 3162334
 Ion Ratio Lower Upper
 105 100
 120 48.1 37.1 55.7
 91 57.4 34.3 51.5#
 77 26.6 17.5 26.3#





#75

1,3-Dichlorobenzene

Concen: 8.450 ppbv

RT: 17.06 min Scan# 4438

Delta R.T. 0.02 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

Instrument :

MSVOA_L

ClientSampleId :

VL0204ABS01

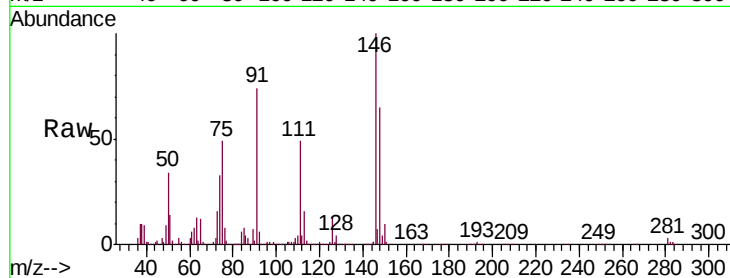
Tgt Ion:146 Resp: 1759631

Ion Ratio Lower Upper

146 100

111 49.9 24.7 74.1

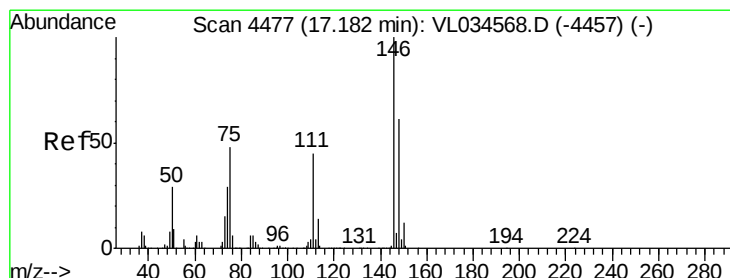
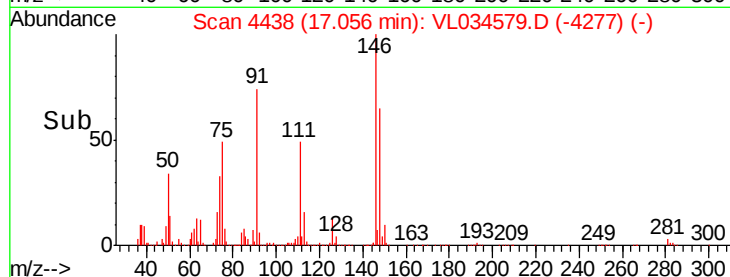
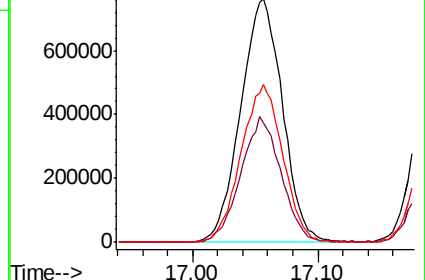
148 64.9 32.8 98.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.507 ppbv

RT: 17.20 min Scan# 4483

Delta R.T. 0.02 min

Lab File: VL034579.D

Acq: 4 Feb 2020 13:56

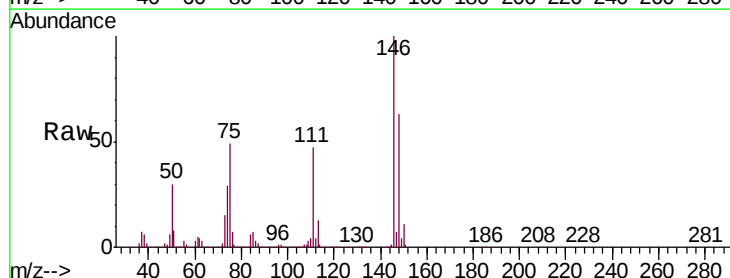
Tgt Ion:146 Resp: 1746012

Ion Ratio Lower Upper

146 100

111 47.5 24.1 72.2

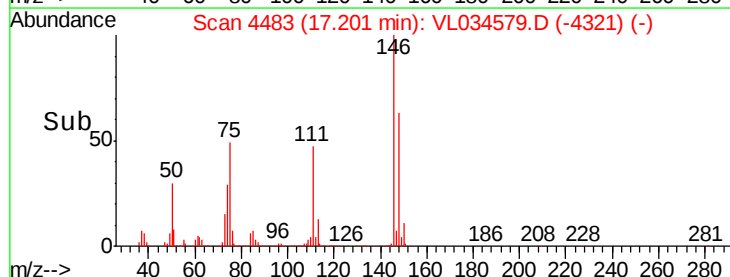
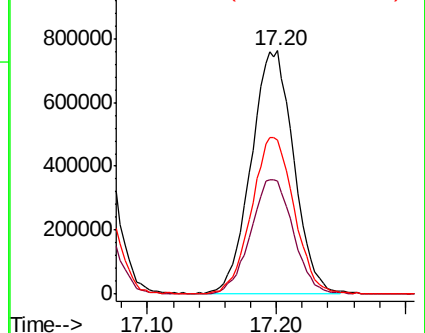
148 64.5 32.6 98.0

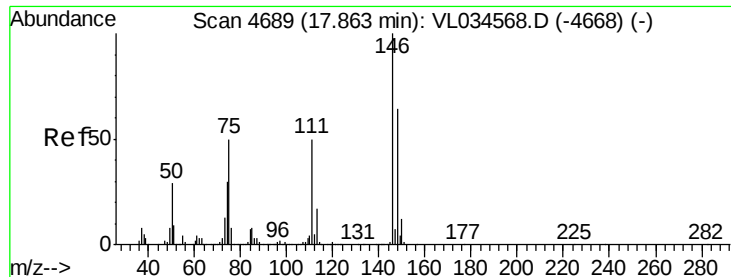


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

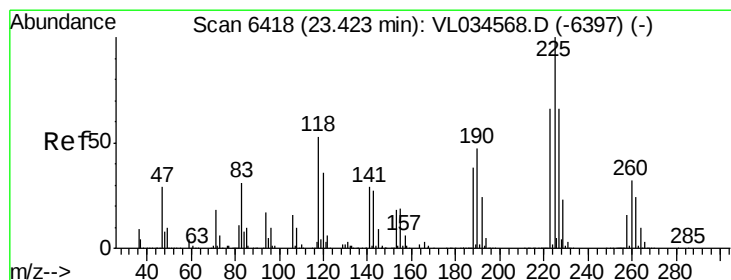
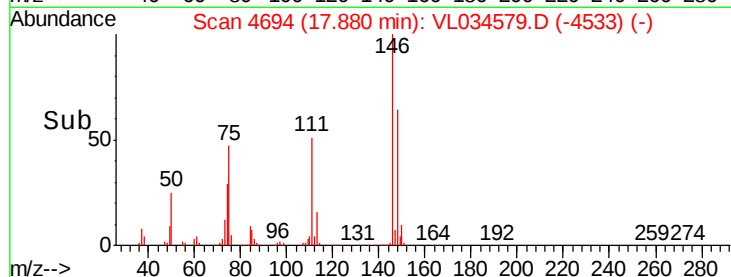
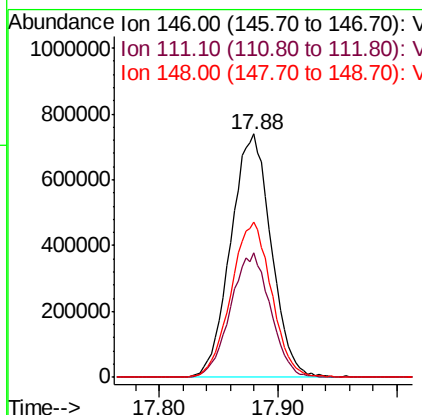
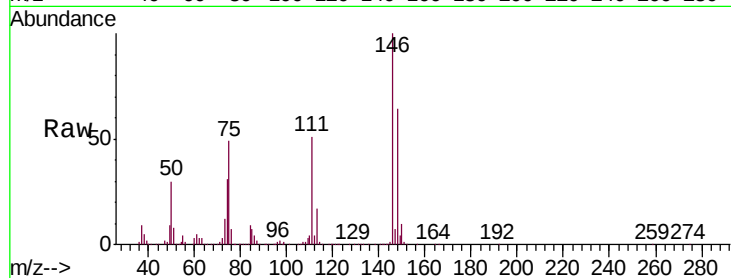




#77
 1,2-Dichlorobenzene
 Concen: 8.628 ppbv
 RT: 17.88 min Scan# 4694
 Delta R.T. 0.02 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

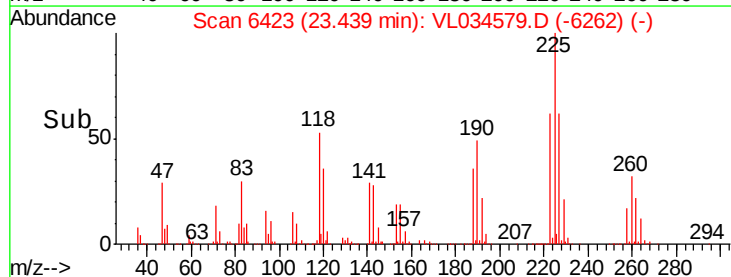
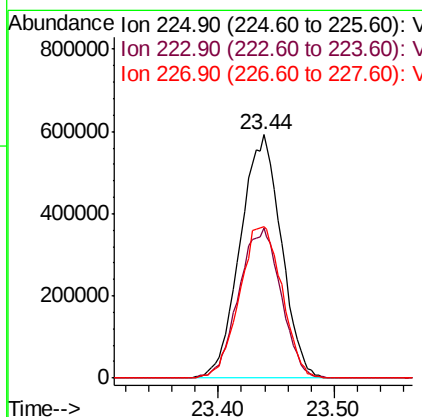
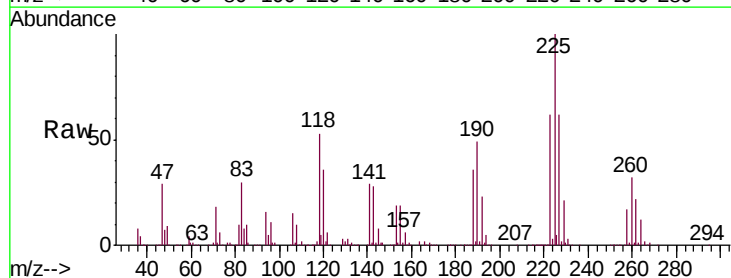
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

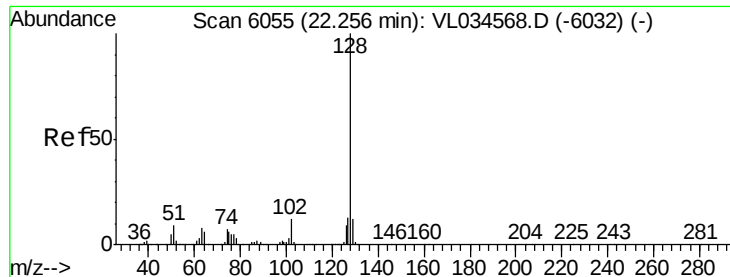
Tgt Ion:146 Resp: 1725986
 Ion Ratio Lower Upper
 146 100
 111 50.7 25.1 75.3
 148 64.3 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.608 ppbv
 RT: 23.44 min Scan# 6423
 Delta R.T. 0.02 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Tgt Ion:225 Resp: 1455311
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.9 76.3
 227 64.6 51.6 77.4

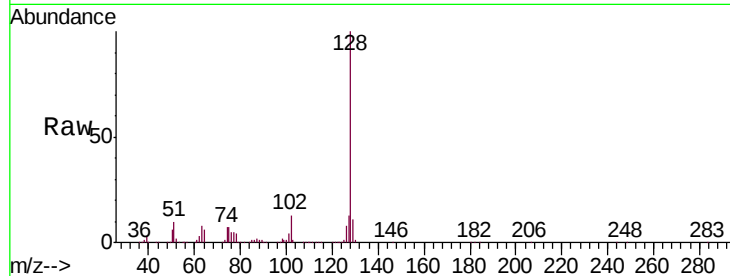




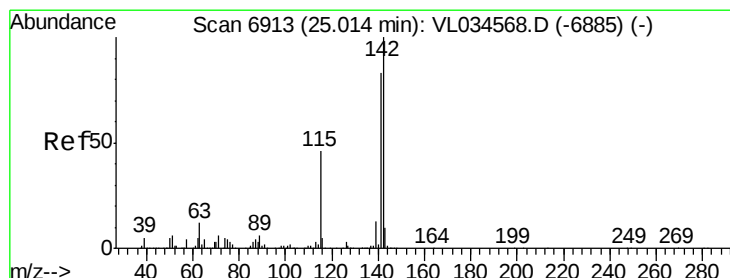
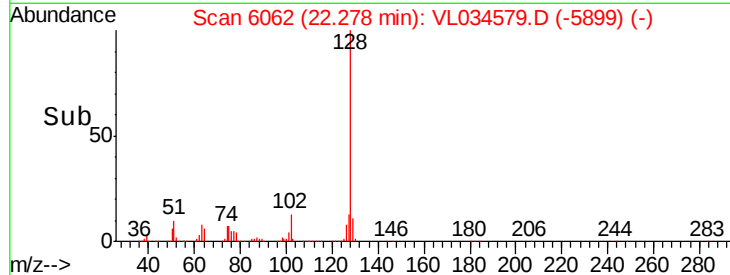
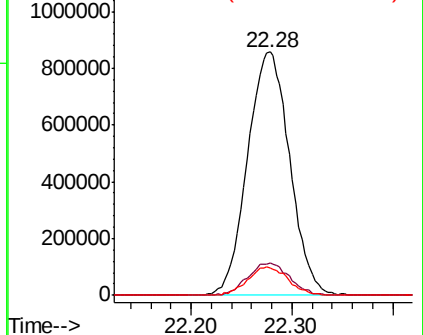
#79
Naphthalene
Concen: 8.711 ppbv
RT: 22.28 min Scan# 6062
Delta R.T. 0.02 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Instrument :
MSVOA_L
ClientSampleId :
VL0204ABS01

Tgt Ion:128 Resp: 2480323
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.2 9.3 13.9

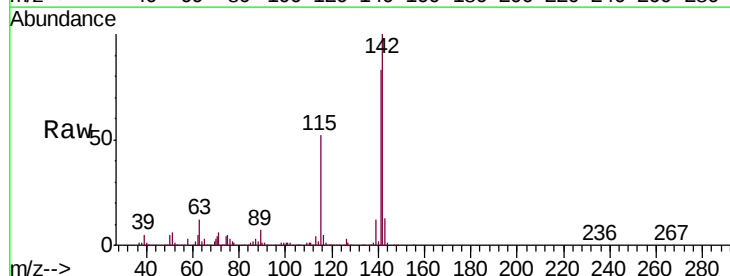


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

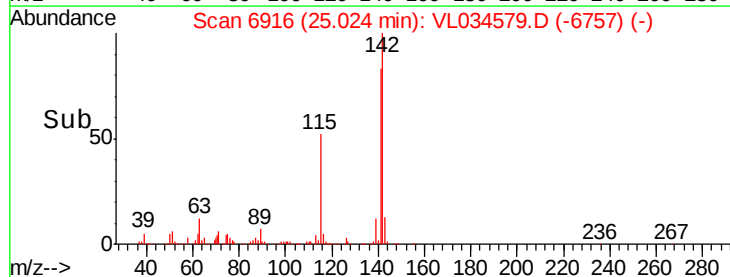
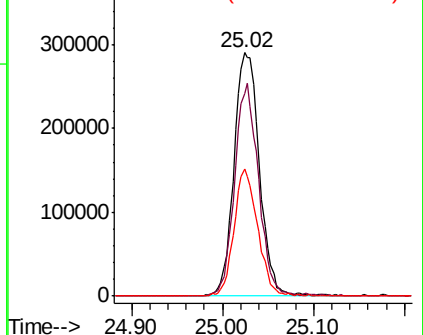


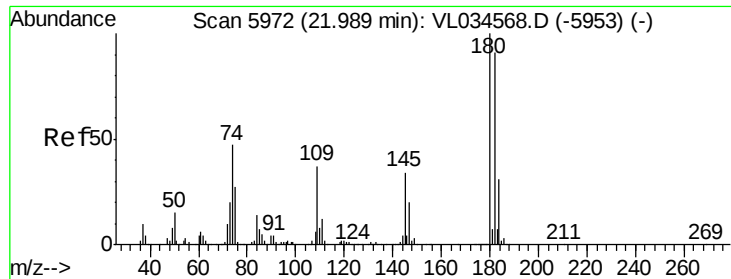
#80
Naphthalene, 2-methyl-
Concen: 5.147 ppbv
RT: 25.02 min Scan# 6916
Delta R.T. 0.01 min
Lab File: VL034579.D
Acq: 4 Feb 2020 13:56

Tgt Ion:142 Resp: 563810
Ion Ratio Lower Upper
142 100
141 83.0 67.0 100.4
115 48.5 39.5 59.3



Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.105 ppbv
 RT: 22.00 min Scan# 5977
 Delta R.T. 0.02 min
 Lab File: VL034579.D
 Acq: 4 Feb 2020 13:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0204ABS01

Tgt Ion:180 Resp: 1422676
 Ion Ratio Lower Upper
 180 100
 182 96.1 77.8 116.6
 184 31.2 25.4 38.0

