

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034423.D
 Acq On : 2 Dec 2019 12:23
 Operator : SY/AP
 Sample : VL1203ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Quant Time: Dec 03 02:48:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	990876	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2036188	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.15	117	2309076	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1766334	9.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.90%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1447978	8.078	ppbv	94
3) Chlorodifluoromethane	2.97	51	1246782	10.085	ppbv	100
4) Chloromethane	3.12	50	753771	10.337	ppbv	99
5) Vinyl Chloride	3.24	62	699000	10.231	ppbv	94
6) Bromomethane	3.46	94	369398	10.745	ppbv	93
7) Chloroethane	3.54	64	268177	10.814	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	1619212	10.059	ppbv	99
9) Propene	2.99	41	557261	10.153	ppbv	99
10) Heptane	8.17	43	1497702	10.573	ppbv	99
11) Trichlorofluoromethane	3.94	101	1834010	10.280	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1216490	10.268	ppbv	100
13) Ethanol	3.59	45	110692	7.240	ppbv	93
14) Bromoethene	3.73	108	513133	10.652	ppbv	99
15) Acetone	3.84	43	1339141	9.438	ppbv	99
16) 1,3-Butadiene	3.31	39	646011	10.452	ppbv	98
17) tert-Butyl alcohol	4.29	59	1045445	8.766	ppbv	100
18) 1,1-Dichloroethene	4.29	96	551324	10.638	ppbv	97
19) Isopropyl Alcohol	3.96	45	832223	9.151	ppbv	100
20) Methylene Chloride	4.35	84	480156	9.543	ppbv	93
21) Allyl Chloride	4.41	41	939254	11.047	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	570814	10.926	ppbv	91
23) Vinyl Acetate	5.09	43	2039269	11.002	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1481033	10.402	ppbv	99
25) Ethyl Acetate	5.69	43	2597335	10.258	ppbv	99
26) Hexane	5.71	57	1101552	10.125	ppbv	98
27) Carbon Disulfide	4.55	76	1412876	11.923	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	1919863	10.642	ppbv	100
29) Chloroform	5.78	83	1827506	10.373	ppbv	92
30) Cyclohexane	7.17	84	888439	10.802	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1218914	10.842	ppbv	96
32) 1,1,1-Trichloroethane	6.54	97	1840918	11.144	ppbv	100
34) 2-Butanone	5.26	43	1718519	10.254	ppbv	100
35) Carbon Tetrachloride	7.05	117	1923336	10.986	ppbv	98
36) Benzene	6.93	78	2111037	10.371	ppbv	97
37) 1,2-Dichloroethane	6.34	62	1570131	10.384	ppbv	99
38) Trichloroethene	7.88	130	851834	10.198	ppbv	98
39) 1,2-Dichloropropane	7.66	63	885193	11.288	ppbv	94
40) 1,4-Dioxane	7.87	88	310042	9.051	ppbv #	97
41) Tetrahydrofuran	6.07	42	995983	10.595	ppbv	99
42) Bromodichloromethane	7.84	83	2033724	10.754	ppbv	100
43) Methyl Methacrylate	8.06	69	918665	10.882	ppbv	99

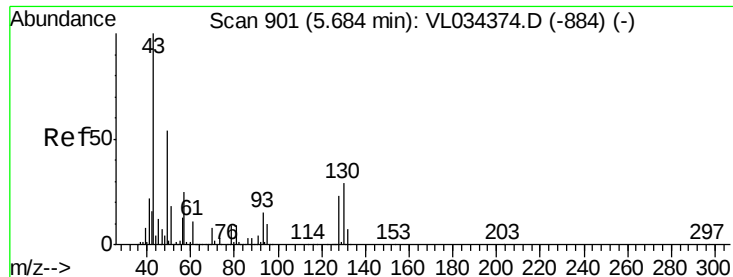
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
 Data File : VL034423.D
 Acq On : 2 Dec 2019 12:23
 Operator : SY/AP
 Sample : VL1203ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

Quant Time: Dec 03 02:48:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3760713	10.110	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1264794	11.682	ppbv	97
46) cis-1,3-Dichloropropene	8.75	75	1414377	11.630	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	914889	10.488	ppbv	95
48) Dibromochloromethane	10.37	129	1701114	11.358	ppbv	99
49) Bromoform	13.11	173	1533127	11.467	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2534990	10.454	ppbv	100
51) 2-Hexanone	10.18	43	2136357	10.517	ppbv	99
52) Tetrachloroethene	11.28	164	823074	9.346	ppbv	96
53) Toluene	9.86	91	2458330	10.633	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1390164	10.395	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.19	131	1102703	9.763	ppbv	94
57) Chlorobenzene	12.21	112	1905850	9.131	ppbv	99
58) Ethyl Benzene	12.78	91	3370387	9.406	ppbv	98
59) m/p-Xylene	13.07	91	1157222	3.736	ppbv #	33
60) o-Xylene	13.76	91	2827903	9.234	ppbv	99
61) Styrene	13.60	104	2126109	9.627	ppbv	100
62) Isopropylbenzene	14.74	105	3699617	9.134	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.75	83	2000592	8.690	ppbv	100
64) n-propylbenzene	15.64	120	989451	9.407	ppbv	98
65) tert-Butylbenzene	16.82	119	3316459	9.115	ppbv	100
66) Benzyl Chloride	17.07	91	1679738	12.001	ppbv	99
67) sec-Butylbenzene	17.37	105	4574748	8.989	ppbv	100
69) p-Isopropyltoluene	17.73	119	3854138	9.125	ppbv	100
70) n-Butylbenzene	18.63	91	4048963	8.909	ppbv	99
71) 2-Chlorotoluene	15.53	91	2949895	9.134	ppbv	99
72) 4-Ethyltoluene	15.92	105	3282644	9.276	ppbv	99
73) 1,3,5-Trimethylbenzene	16.07	105	3166901	9.143	ppbv	99
74) 1,2,4-Trimethylbenzene	16.84	105	3241112	8.809	ppbv	93
75) 1,3-Dichlorobenzene	17.08	146	1866274	8.824	ppbv	100
76) 1,4-Dichlorobenzene	17.22	146	1892876	9.217	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1827043	8.944	ppbv	100
78) Hexachloro-1,3-Butadiene	23.46	225	1528464	8.709	ppbv	99
79) Naphthalene	22.31	128	2868093	8.992	ppbv	99
80) Naphthalene,2-methyl-	25.05	142	1576627	10.946	ppbv	97
81) 1,2,4-Trichlorobenzene	22.04	180	1740252	8.881	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

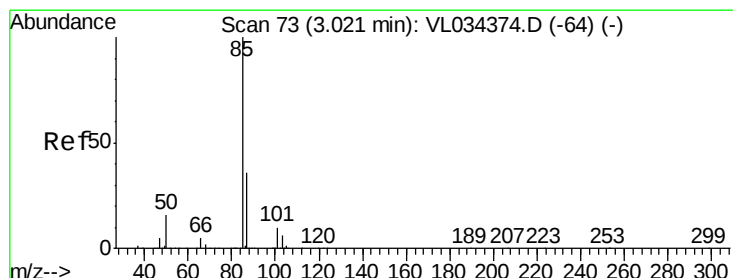
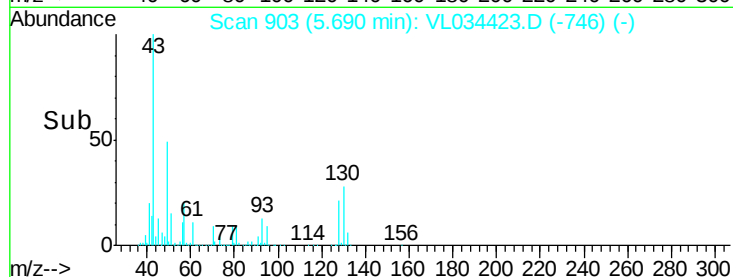
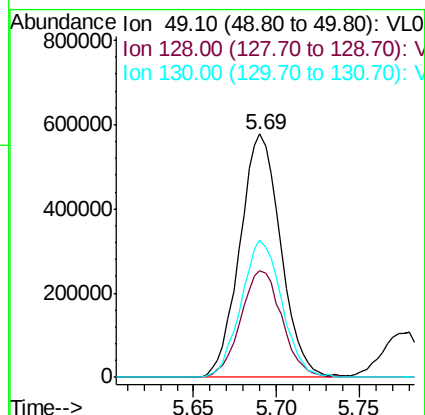
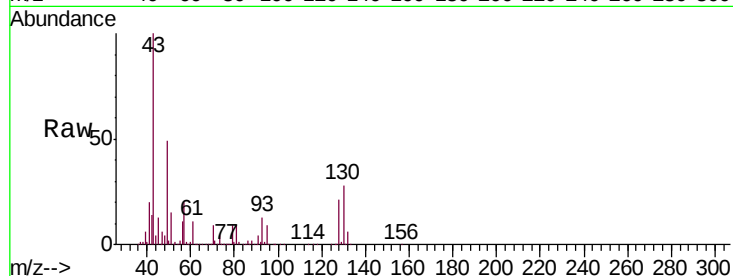
Tgt Ion: 49 Resp: 990876

Ion Ratio Lower Upper

49 100

128 44.4 21.8 65.3

130 56.5 28.0 84.0



#2

Dichlorodifluoromethane

Concen: 8.078 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL034423.D

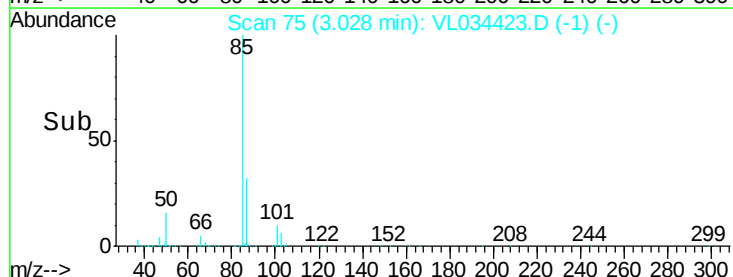
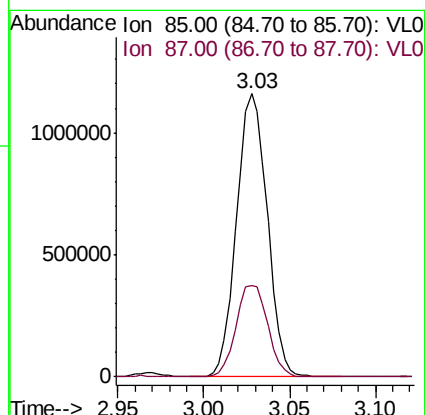
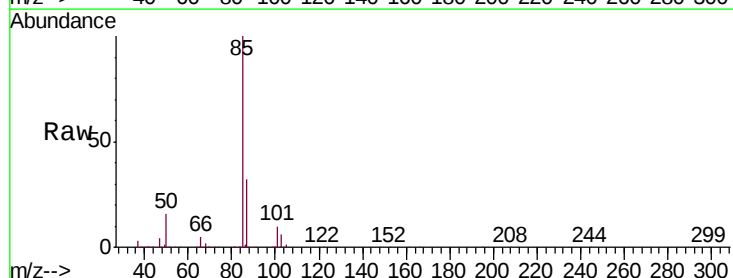
Acq: 2 Dec 2019 12:23

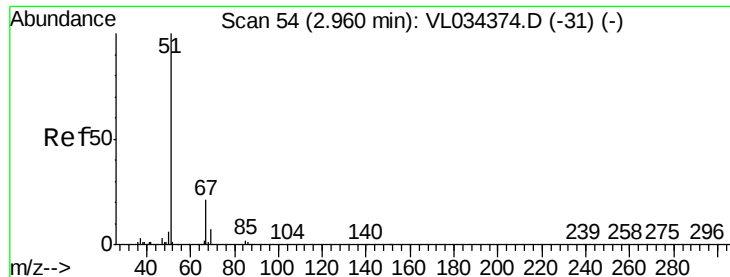
Tgt Ion: 85 Resp: 1447978

Ion Ratio Lower Upper

85 100

87 32.2 28.5 42.7





#3

Chlorodifluoromethane

Concen: 10.085 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

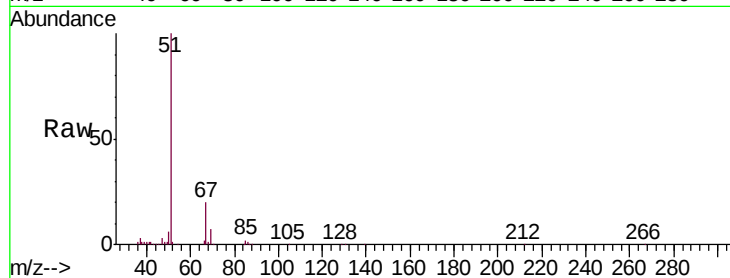
VL1202ABS01

Tgt Ion: 51 Resp: 1246782

Ion Ratio Lower Upper

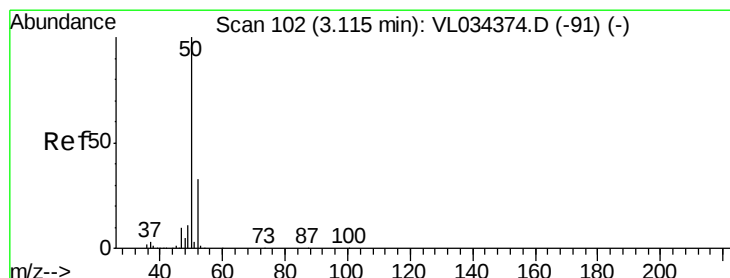
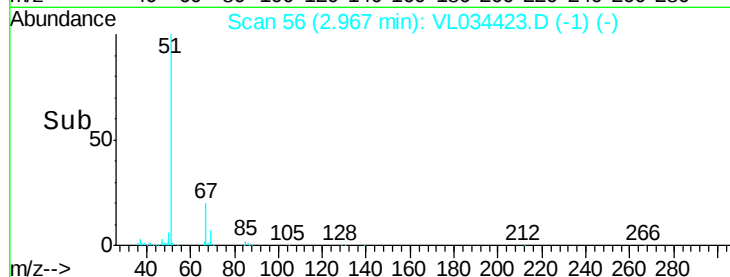
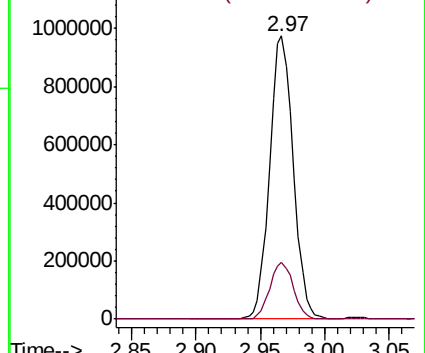
51 100

67 20.1 16.2 24.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.337 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.01 min

Lab File: VL034423.D

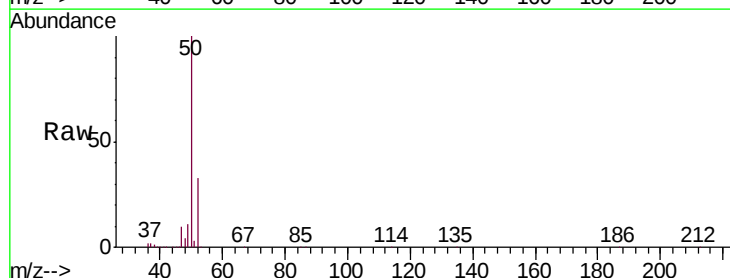
Acq: 2 Dec 2019 12:23

Tgt Ion: 50 Resp: 753771

Ion Ratio Lower Upper

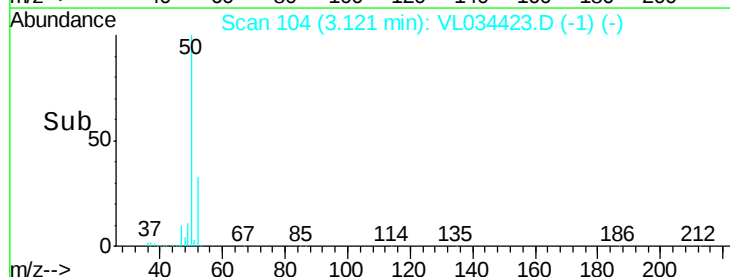
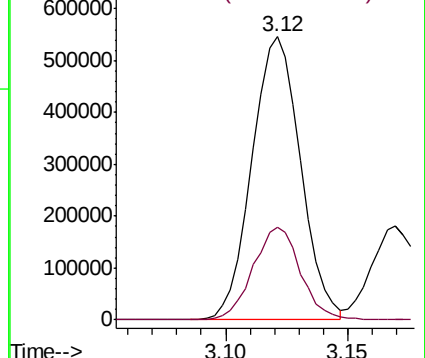
50 100

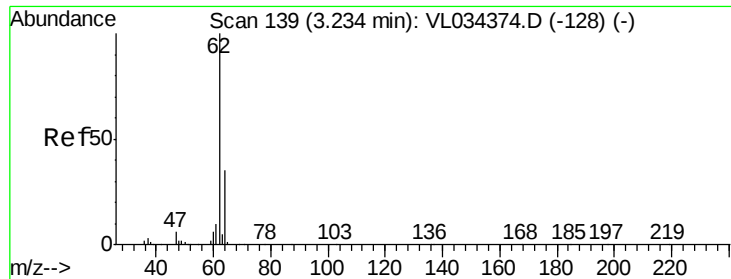
52 32.9 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.231 ppbv

RT: 3.24 min Scan# 141

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

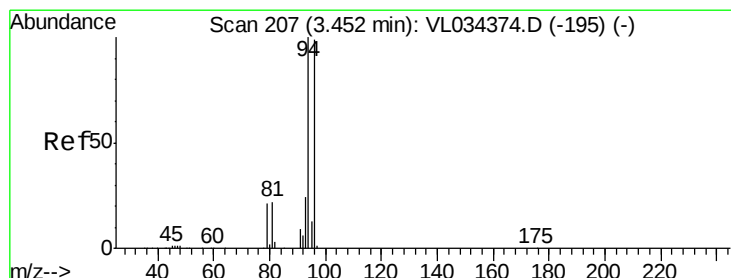
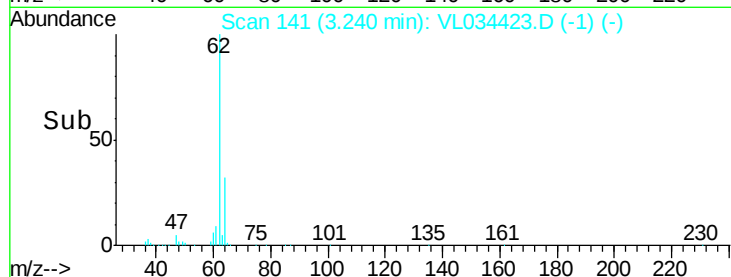
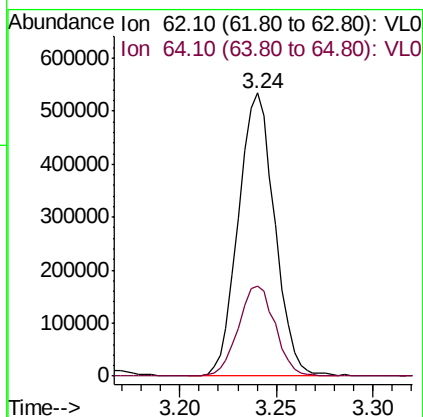
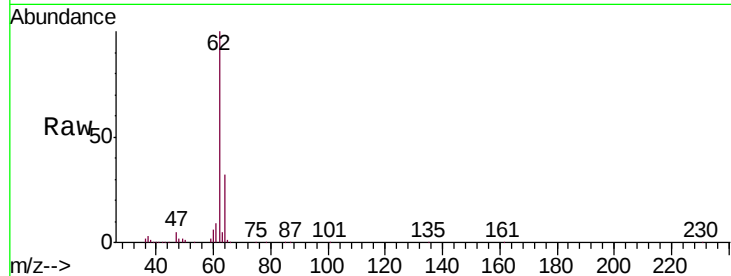
VL1202ABS01

Tgt Ion: 62 Resp: 699000

Ion Ratio Lower Upper

62 100

64 32.0 28.4 42.6



#6

Bromomethane

Concen: 10.745 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.01 min

Lab File: VL034423.D

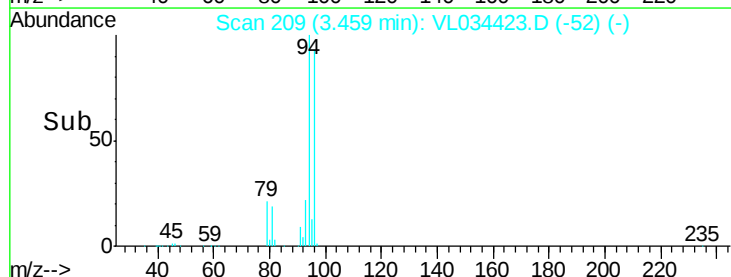
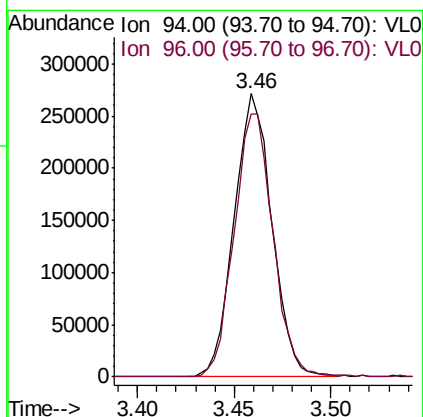
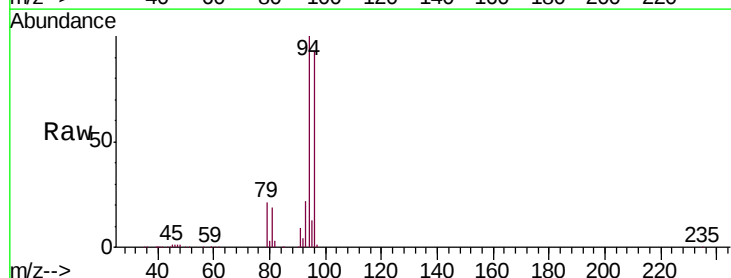
Acq: 2 Dec 2019 12:23

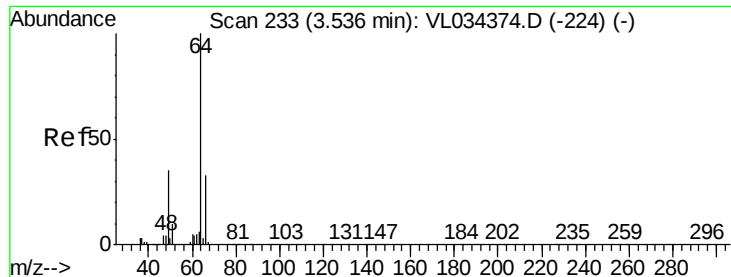
Tgt Ion: 94 Resp: 369398

Ion Ratio Lower Upper

94 100

96 92.6 79.5 119.3





#7

Chloroethane

Concen: 10.814 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

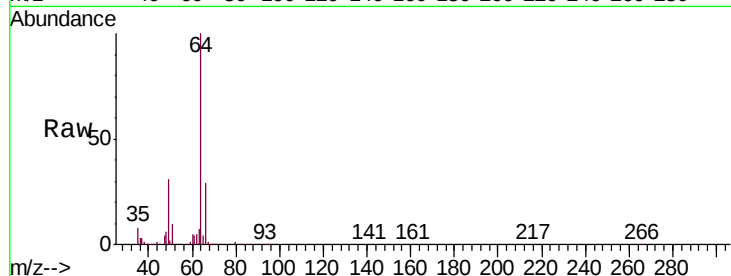
VL1202ABS01

Tgt Ion: 64 Resp: 268177

Ion Ratio Lower Upper

64 100

66 28.7 26.0 39.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

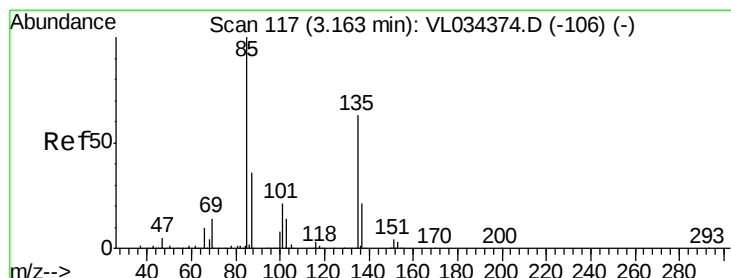
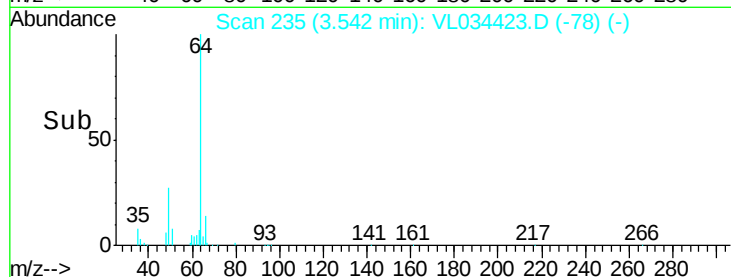
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.059 ppbv

RT: 3.17 min Scan# 119

Delta R.T. 0.01 min

Lab File: VL034423.D

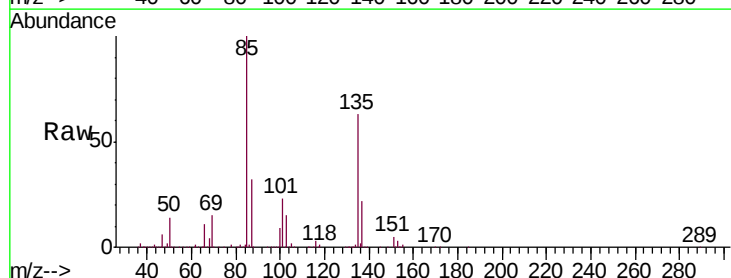
Acq: 2 Dec 2019 12:23

Tgt Ion: 85 Resp: 1619212

Ion Ratio Lower Upper

85 100

135 64.3 51.1 76.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

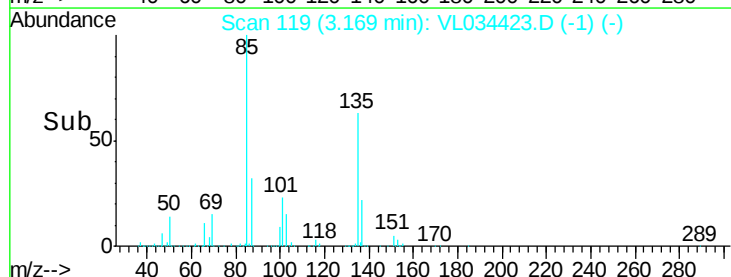
1500000

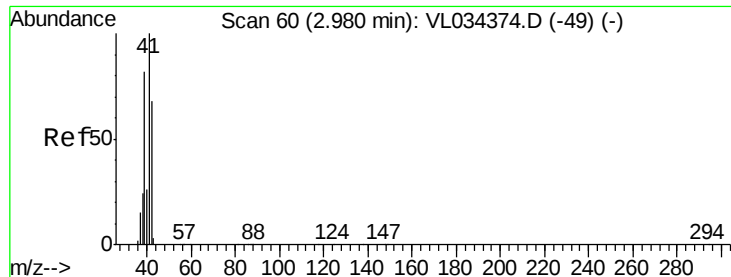
1000000

500000

0

Time-->





#9

Propene

Concen: 10.153 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

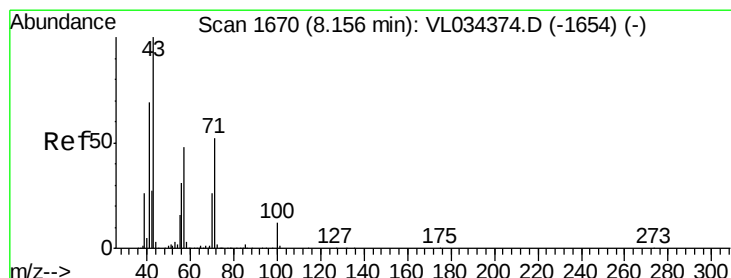
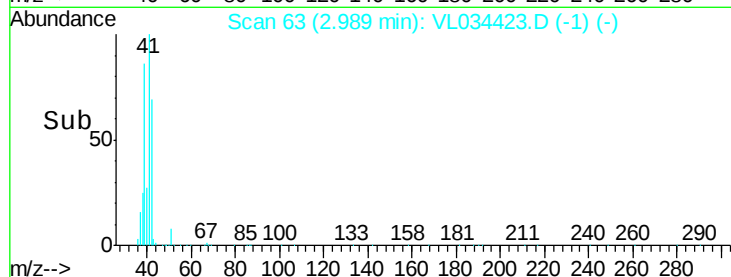
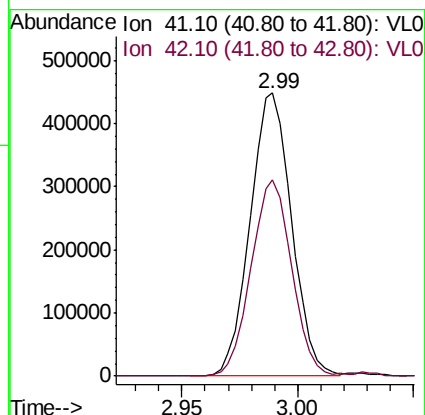
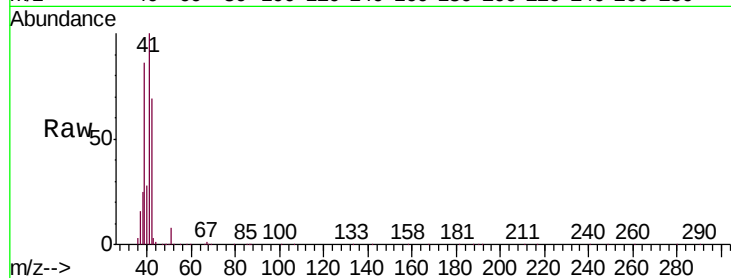
VL1202ABS01

Tgt Ion: 41 Resp: 557261

Ion Ratio Lower Upper

41 100

42 69.1 54.6 82.0



#10

Heptane

Concen: 10.573 ppbv

RT: 8.17 min Scan# 1673

Delta R.T. 0.01 min

Lab File: VL034423.D

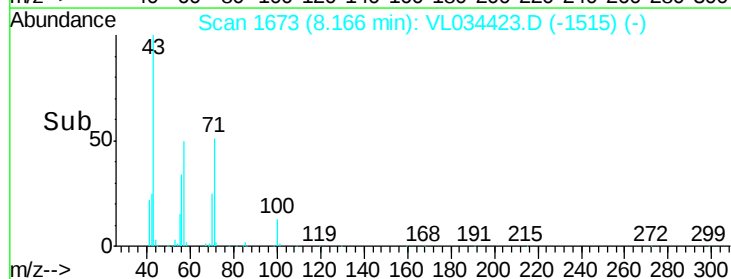
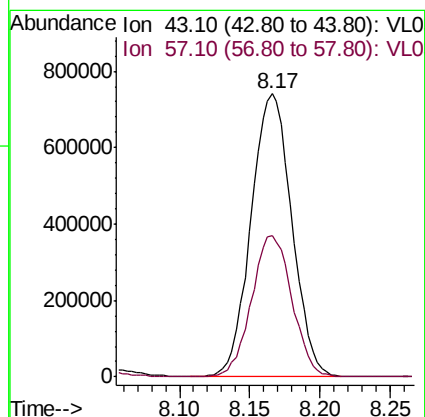
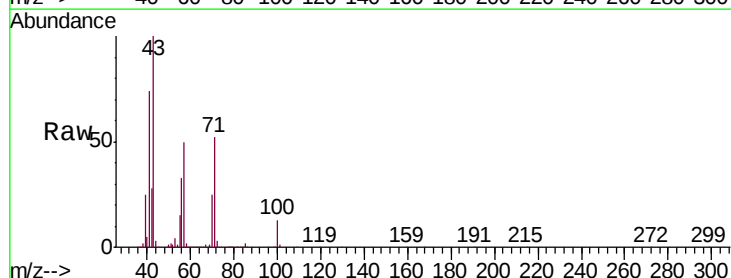
Acq: 2 Dec 2019 12:23

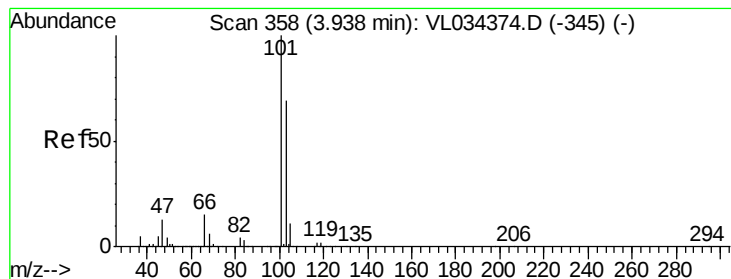
Tgt Ion: 43 Resp: 1497702

Ion Ratio Lower Upper

43 100

57 49.6 40.2 60.2





#11

Trichlorofluoromethane

Concen: 10.280 ppbv

RT: 3.94 min Scan# 360

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

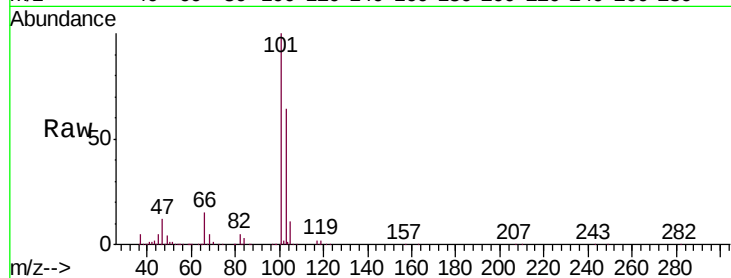
VL1202ABS01

Tgt Ion:101 Resp: 1834010

Ion Ratio Lower Upper

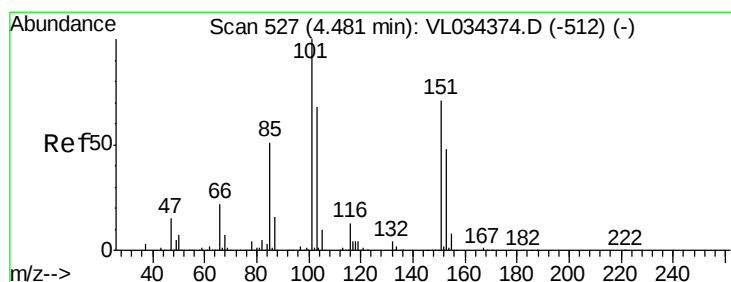
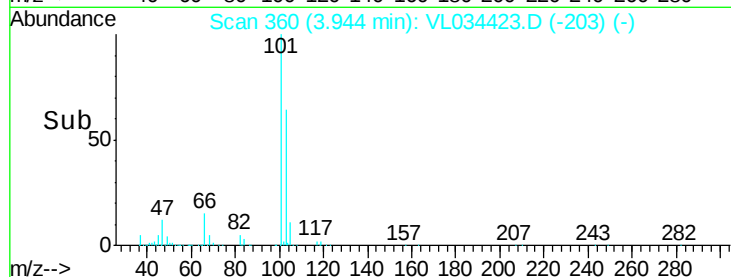
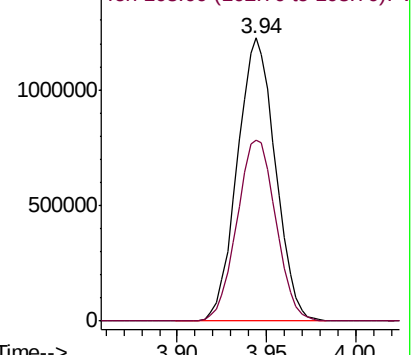
101 100

103 63.8 55.4 83.0



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: 10.268 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.01 min

Lab File: VL034423.D

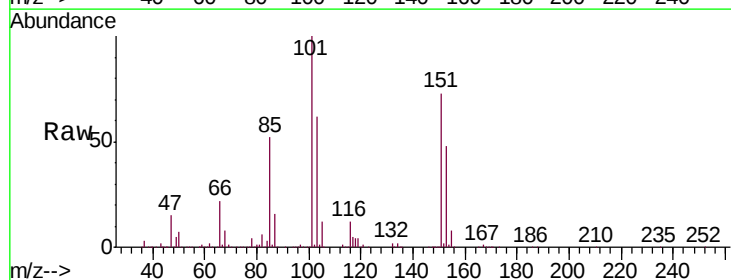
Acq: 2 Dec 2019 12:23

Tgt Ion:101 Resp: 1216490

Ion Ratio Lower Upper

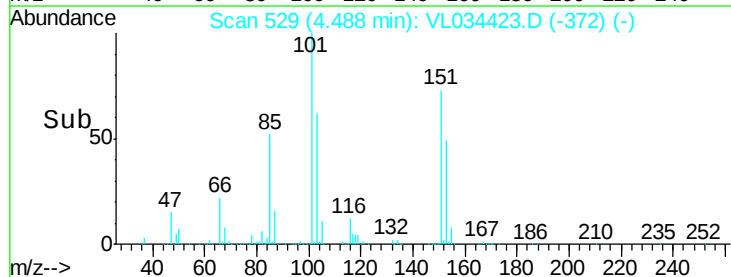
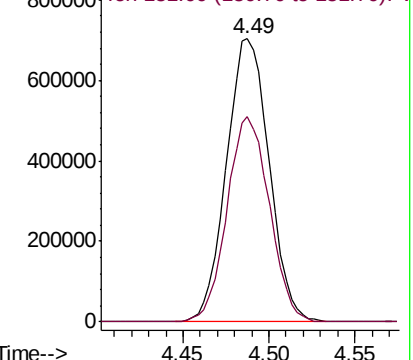
101 100

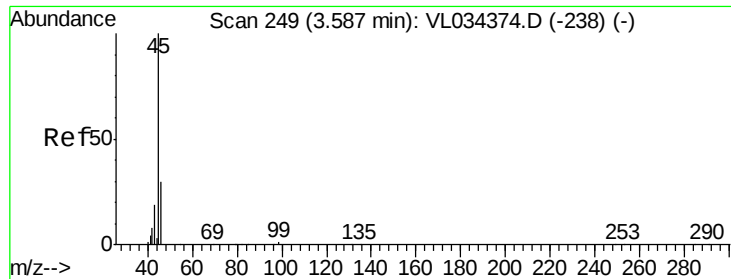
151 72.1 57.4 86.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

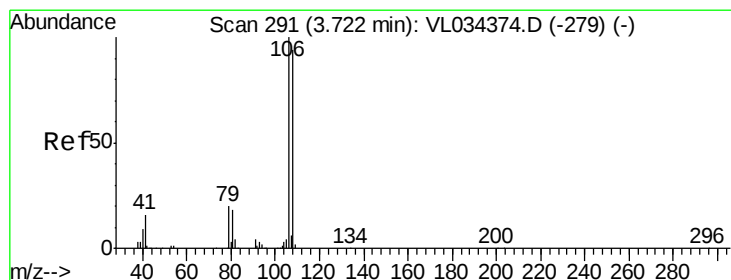
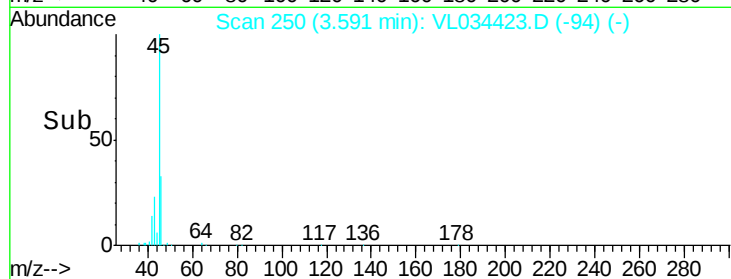
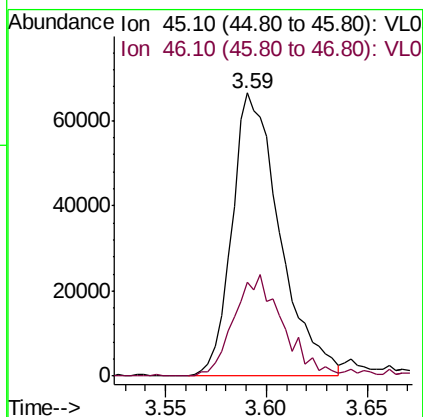
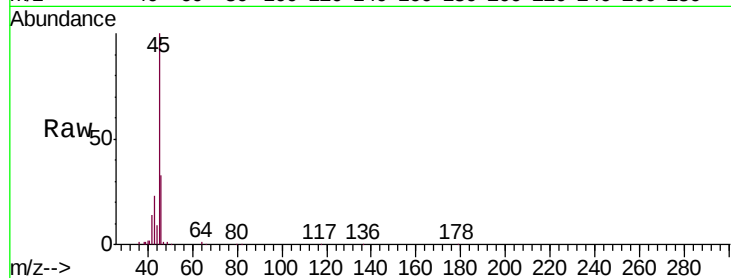




#13
Ethanol
Concen: 7.240 ppbv
RT: 3.59 min Scan# 250
Delta R.T. 0.00 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

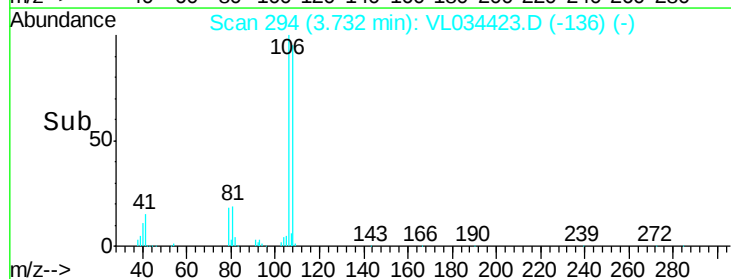
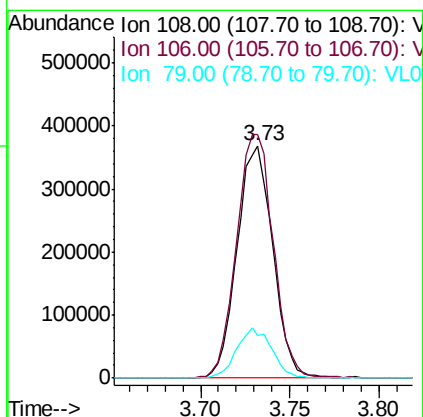
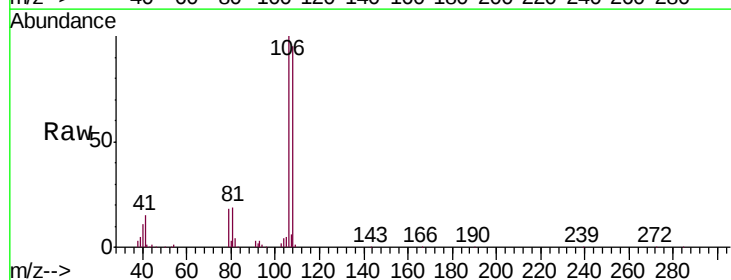
Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

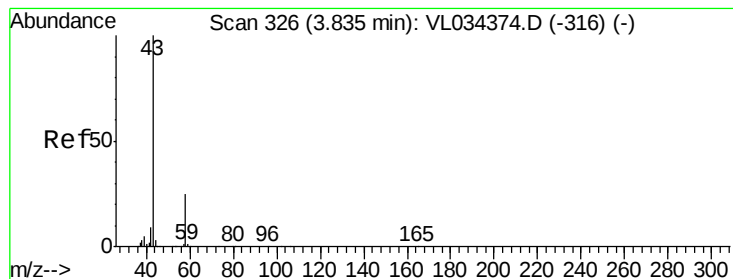
Tgt Ion: 45 Resp: 110692
Ion Ratio Lower Upper
45 100
46 38.4 13.8 55.4



#14
Bromoethene
Concen: 10.652 ppbv
RT: 3.73 min Scan# 294
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 108 Resp: 513133
Ion Ratio Lower Upper
108 100
106 108.6 85.7 128.5
79 21.3 17.2 25.8





#15

Acetone

Concen: 9.438 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

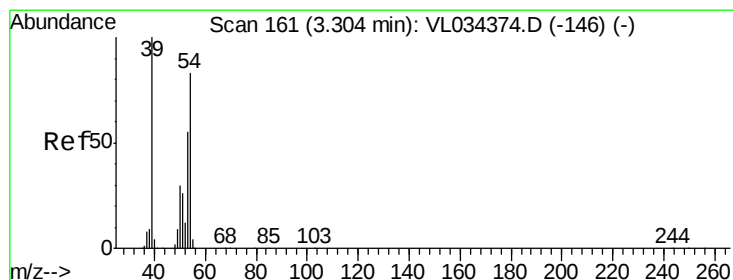
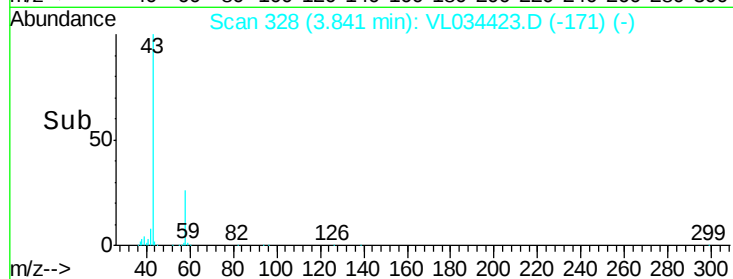
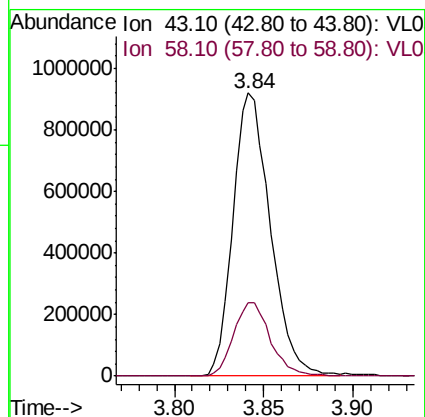
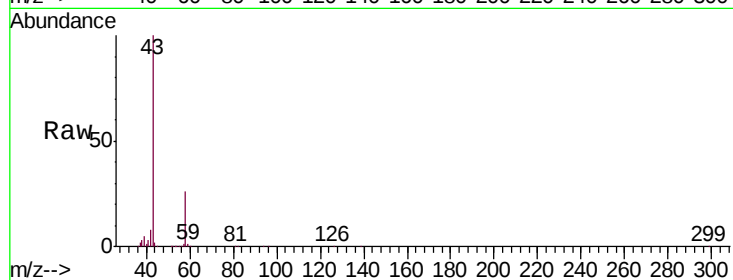
VL1202ABS01

Tgt Ion: 43 Resp: 1339141

Ion Ratio Lower Upper

43 100

58 25.7 20.2 30.4



#16

1,3-Butadiene

Concen: 10.452 ppbv

RT: 3.31 min Scan# 163

Delta R.T. 0.01 min

Lab File: VL034423.D

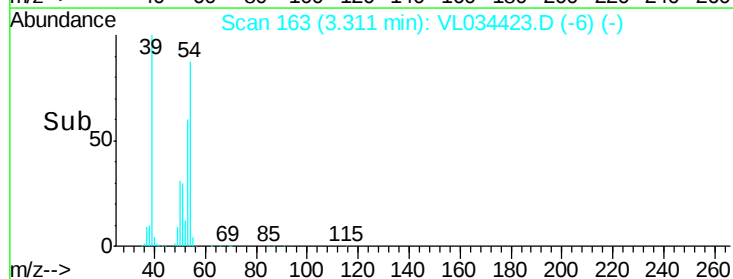
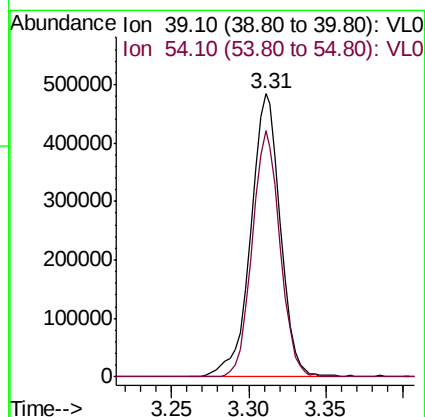
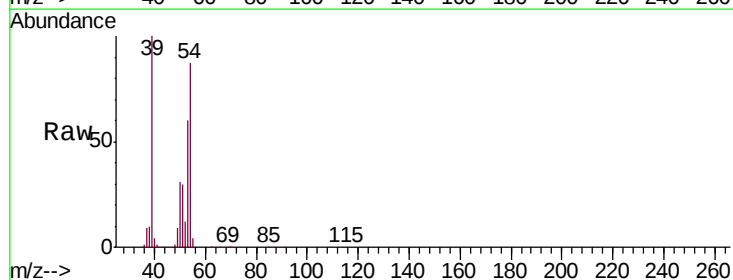
Acq: 2 Dec 2019 12:23

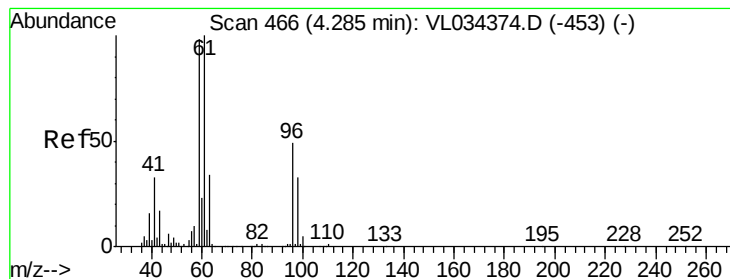
Tgt Ion: 39 Resp: 646011

Ion Ratio Lower Upper

39 100

54 82.2 64.7 97.1





#17

tert-Butyl alcohol

Concen: 8.766 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

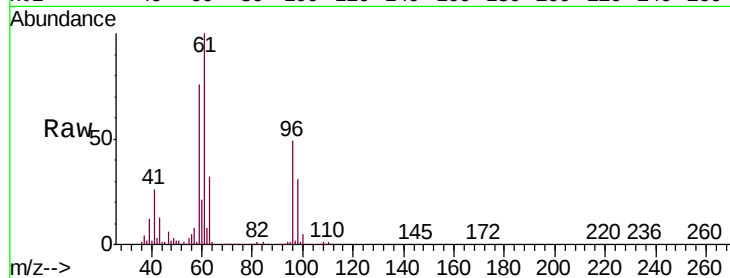
VL1202ABS01

Tgt Ion: 59 Resp: 1045445

Ion Ratio Lower Upper

59 100

57 10.8 8.8 13.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

600000

500000

400000

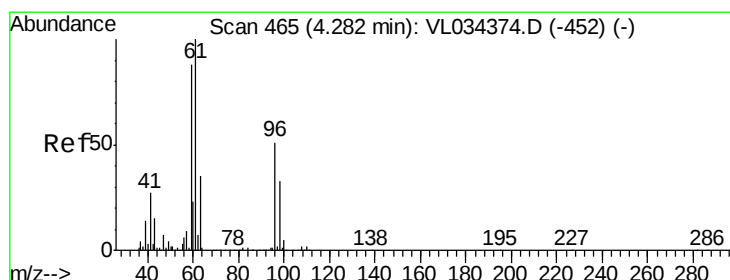
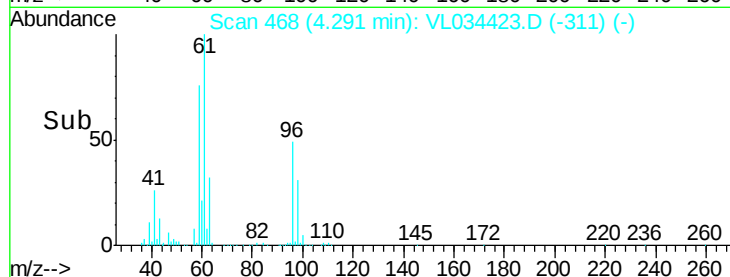
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 10.638 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

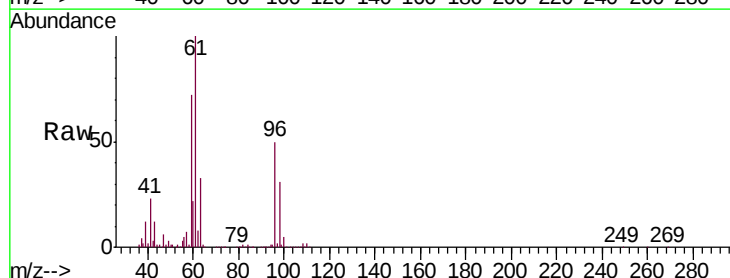
Tgt Ion: 96 Resp: 551324

Ion Ratio Lower Upper

96 100

61 198.1 155.6 233.4

98 62.3 51.6 77.4



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

1000000

800000

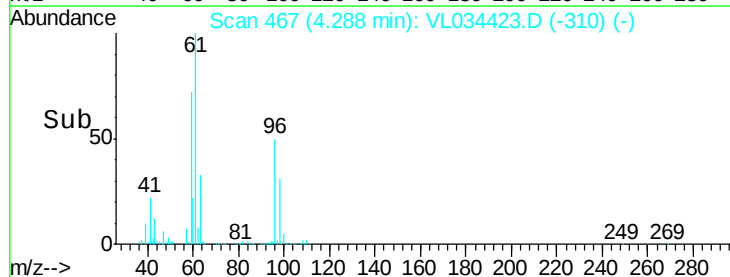
600000

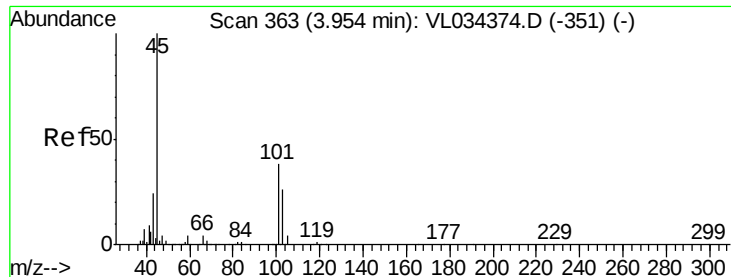
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 9.151 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

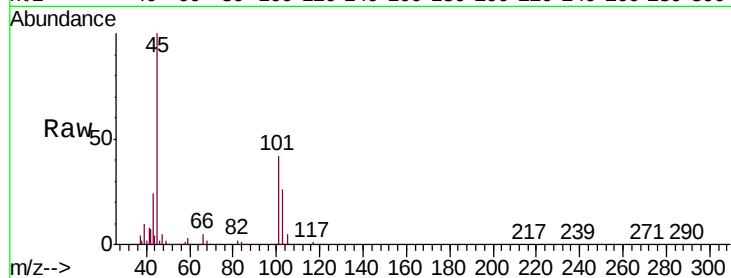
VL1202ABS01

Tgt Ion: 45 Resp: 832223

Ion Ratio Lower Upper

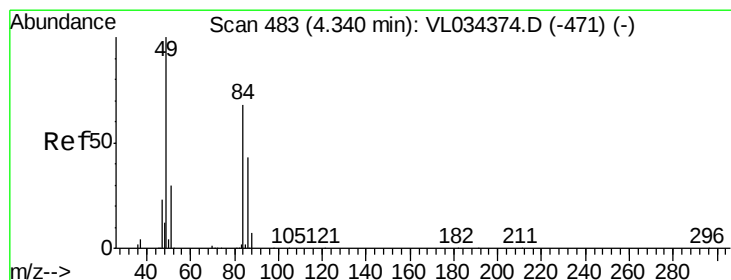
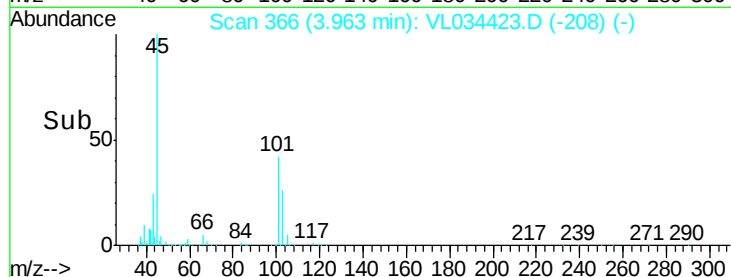
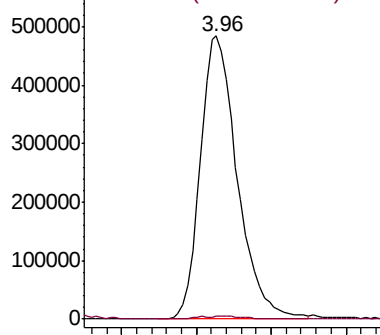
45 100

58 1.6 1.3 1.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.543 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion: 84 Resp: 480156

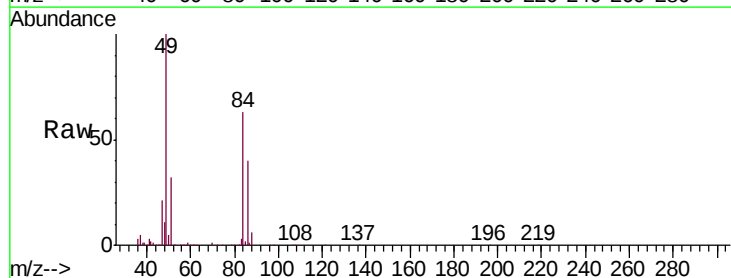
Ion Ratio Lower Upper

84 100

49 157.5 116.8 175.2

51 51.3 35.6 53.4

86 64.4 50.7 76.1

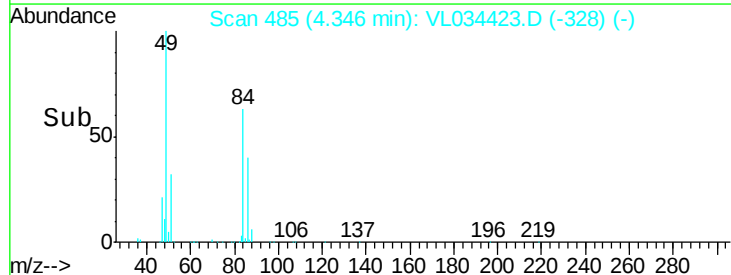
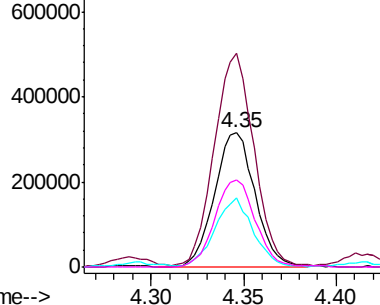


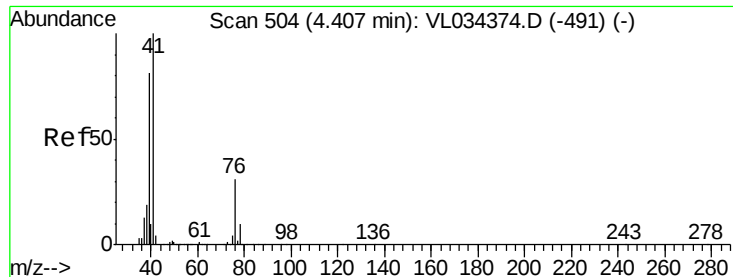
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 11.047 ppbv

RT: 4.41 min Scan# 506

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

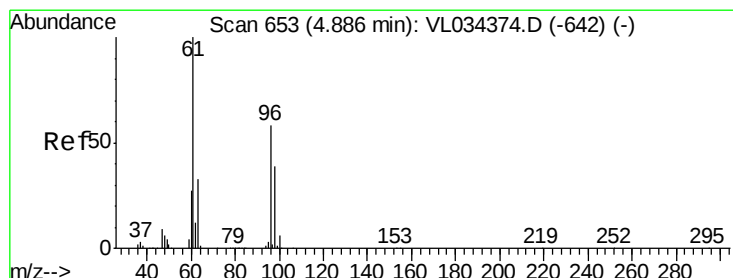
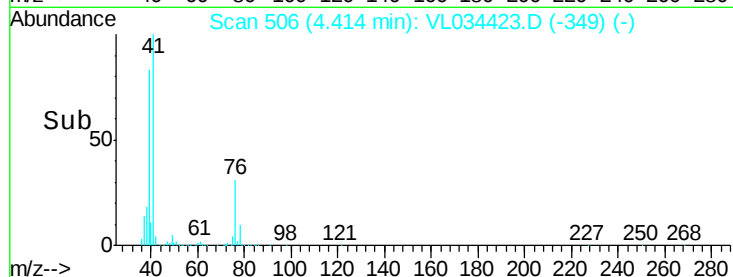
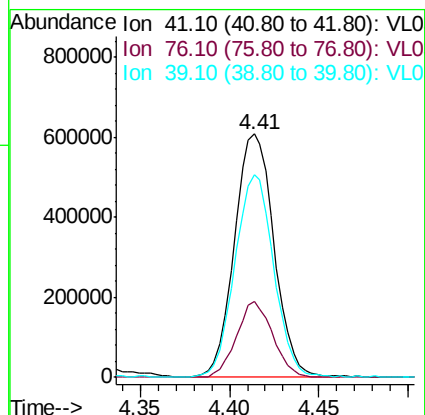
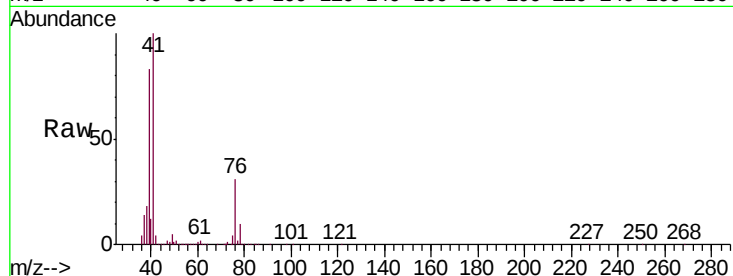
Tgt Ion: 41 Resp: 939254

Ion Ratio Lower Upper

41 100

76 28.9 24.2 36.2

39 81.9 66.9 100.3



#22

trans-1,2-Dichloroethene

Concen: 10.926 ppbv

RT: 4.90 min Scan# 656

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

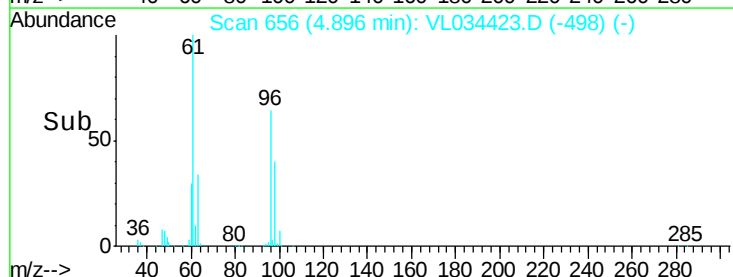
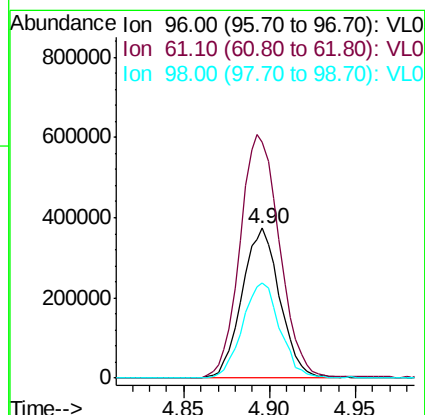
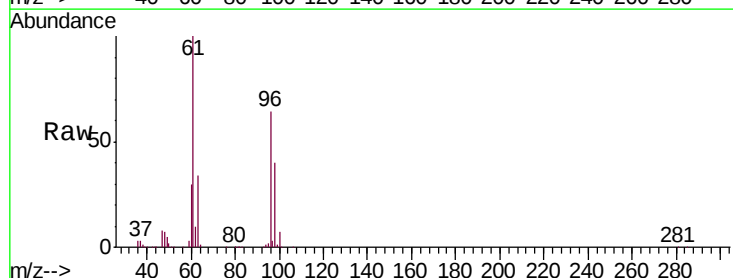
Tgt Ion: 96 Resp: 570814

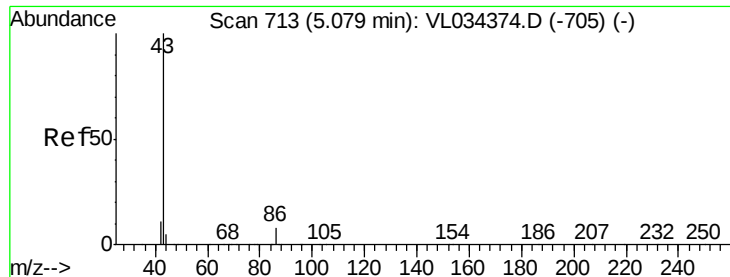
Ion Ratio Lower Upper

96 100

61 157.3 137.9 206.9

98 63.3 53.5 80.3





#23

Vinyl Acetate

Concen: 11.002 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

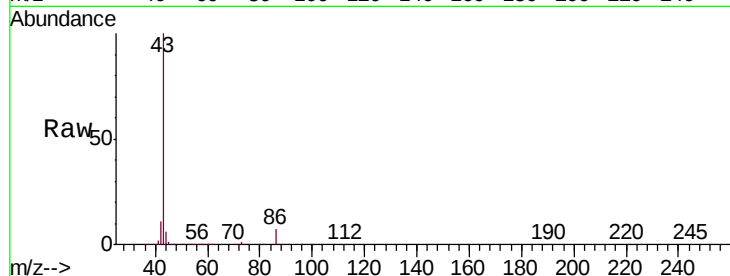
MSVOA_L

ClientSampleId :

VL1202ABS01

Tgt Ion: 43 Resp: 2039269

Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	11.1	8.9	13.3
44	5.5	4.0	6.0



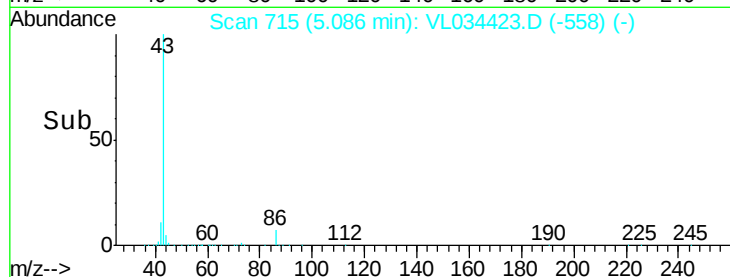
Abundance

Ion 43.10 (42.80 to 43.80): VL0

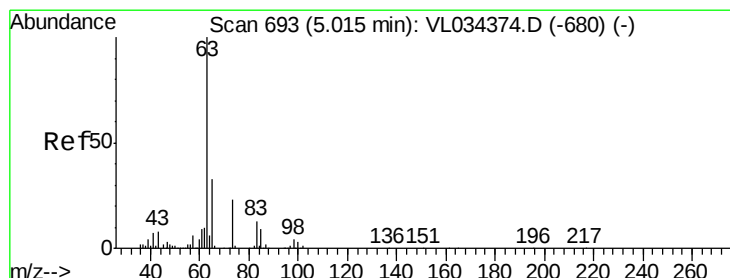
Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



Time-->



#24

1,1-Dichloroethane

Concen: 10.402 ppbv

RT: 5.02 min Scan# 695

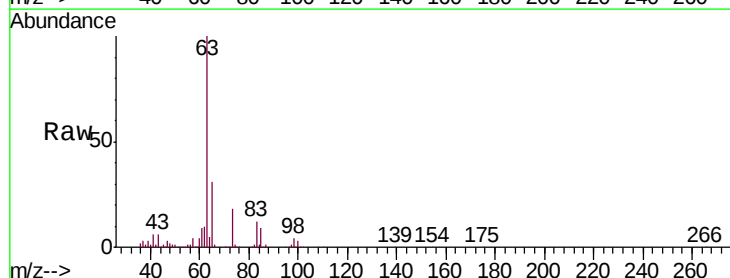
Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion: 63 Resp: 1481033

Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.9	5.7
100	2.8	1.4	4.0

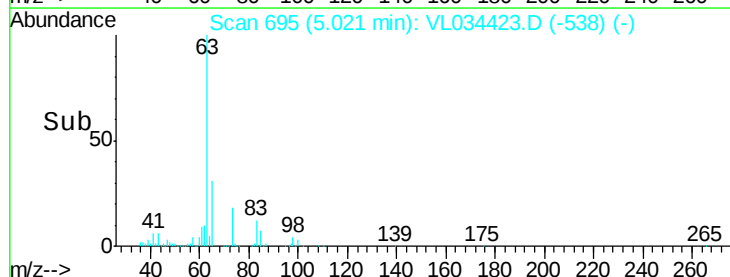


Abundance

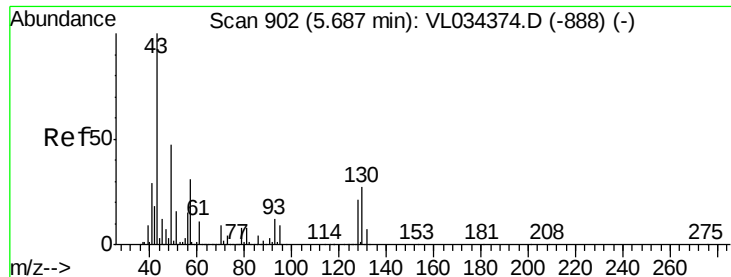
Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



Time-->



#25

Ethyl Acetate

Concen: 10.258 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tgt Ion: 43 Resp: 2597335

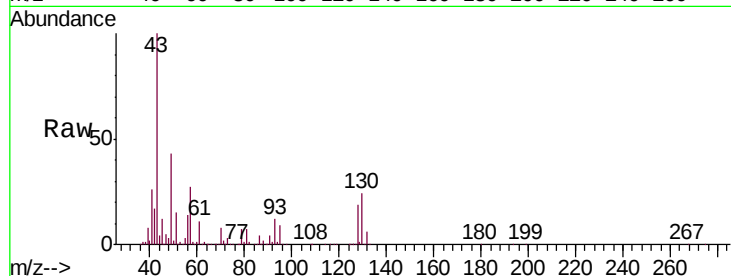
Ion Ratio Lower Upper

43 100

45 10.6 8.2 12.4

61 9.7 7.5 11.3

70 7.3 5.7 8.5



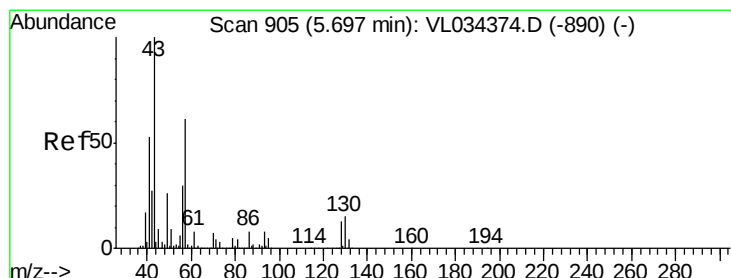
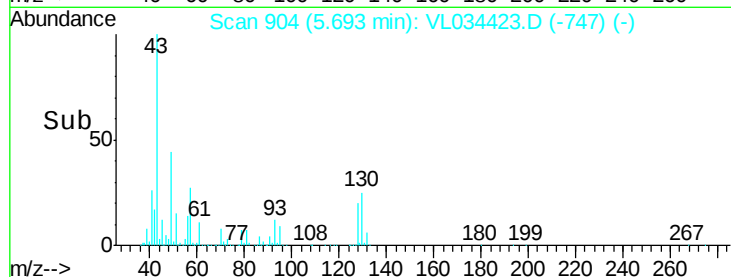
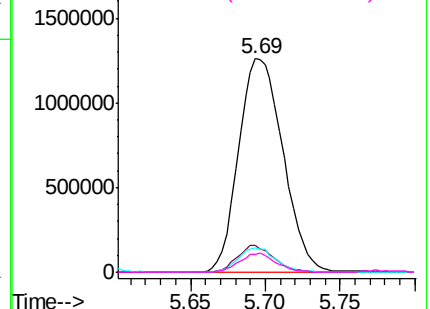
Abundance

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: 10.125 ppbv

RT: 5.71 min Scan# 909

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion: 57 Resp: 1101552

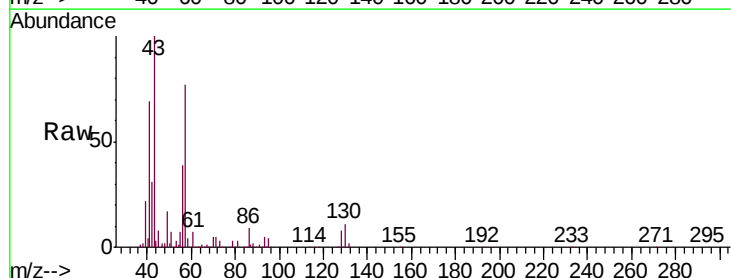
Ion Ratio Lower Upper

57 100

41 94.9 75.0 112.4

43 236.5 186.6 279.8

56 53.5 41.5 62.3



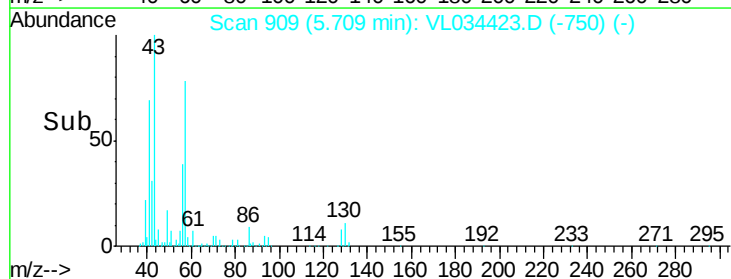
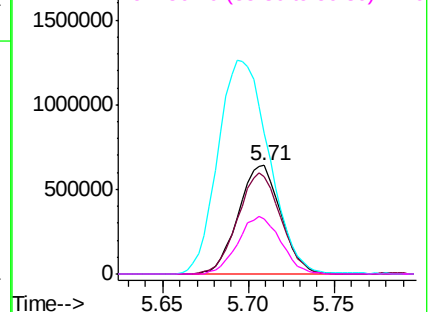
Abundance

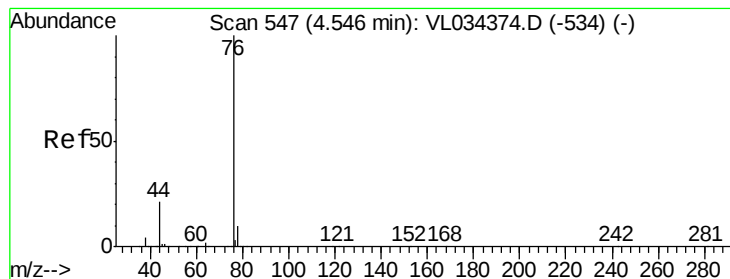
Ion 57.10 (56.80 to 57.80): VL0

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: 11.923 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

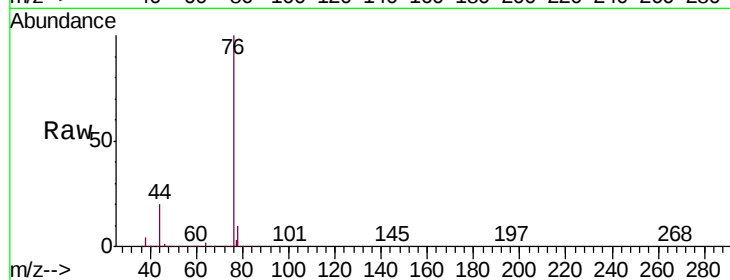
Tgt Ion: 76 Resp: 1412876

Ion Ratio Lower Upper

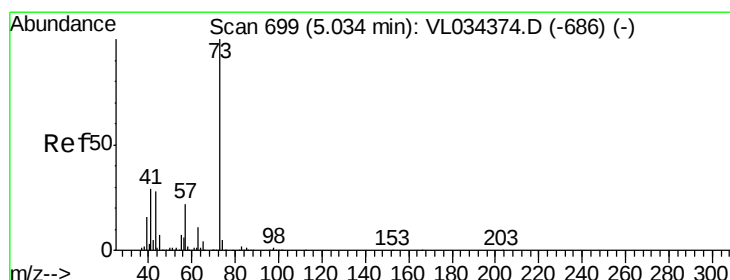
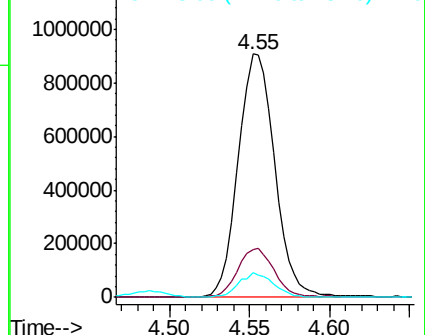
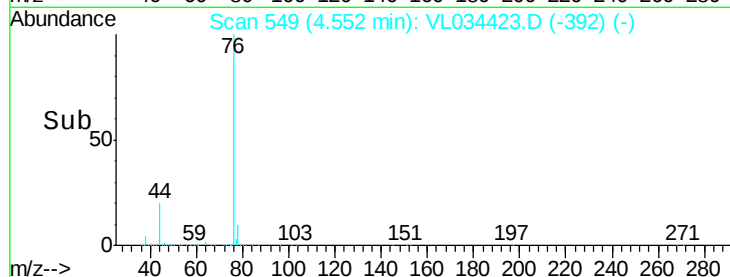
76 100

44 19.9 17.0 25.4

78 9.5 7.6 11.4



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: 10.642 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL034423.D

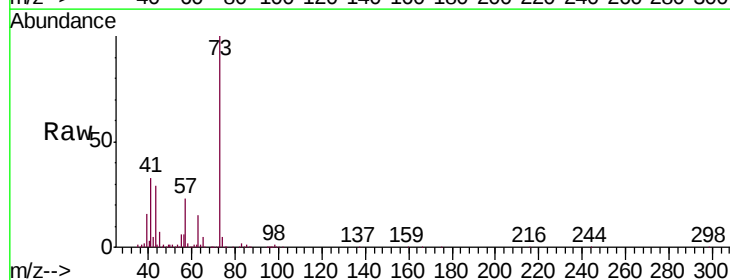
Acq: 2 Dec 2019 12:23

Tgt Ion: 73 Resp: 1919863

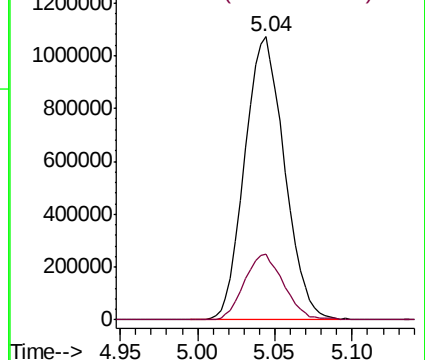
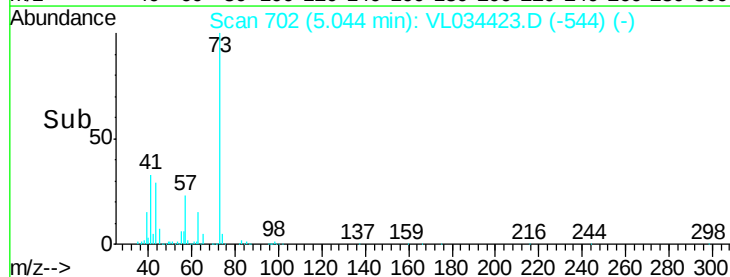
Ion Ratio Lower Upper

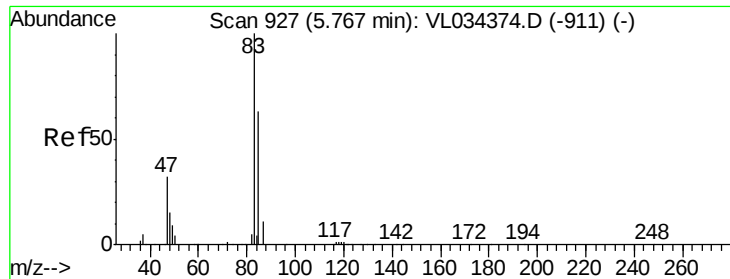
73 100

57 23.1 18.4 27.6



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





#29

Chloroform

Concen: 10.373 ppbv

RT: 5.78 min Scan# 930

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

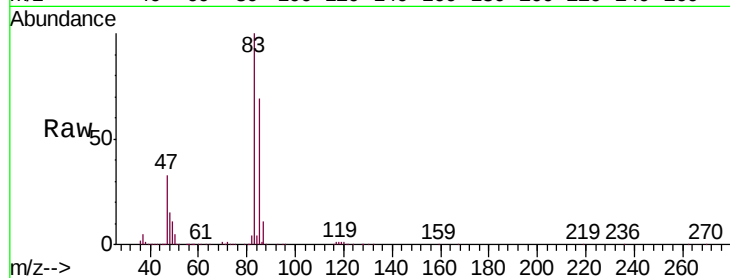
VL1202ABS01

Tgt Ion: 83 Resp: 1827506

Ion Ratio Lower Upper

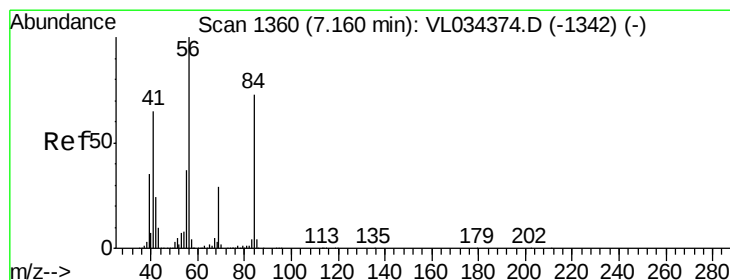
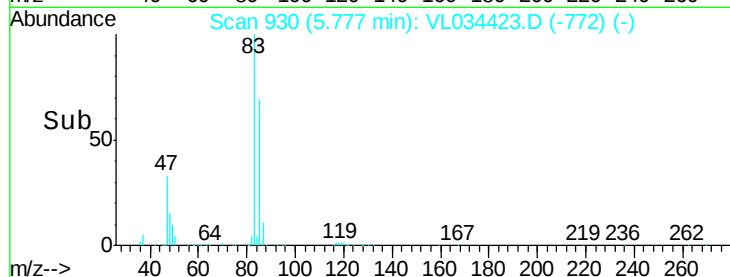
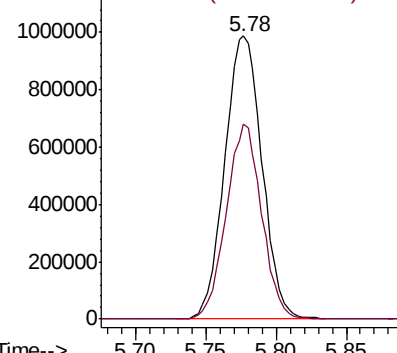
83 100

85 69.1 50.4 75.6



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 10.802 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

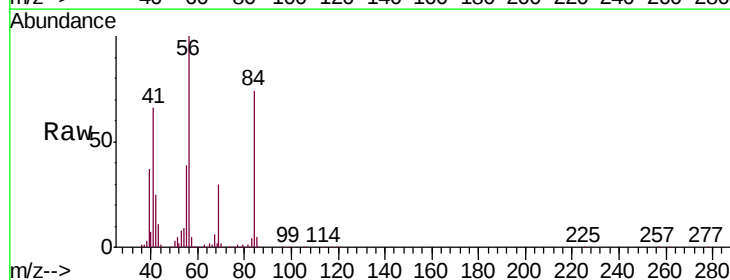
Tgt Ion: 84 Resp: 888439

Ion Ratio Lower Upper

84 100

56 143.3 112.6 169.0

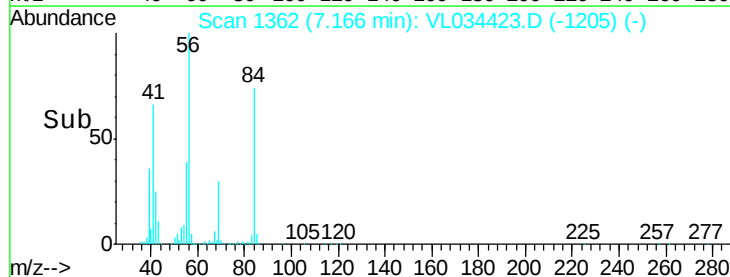
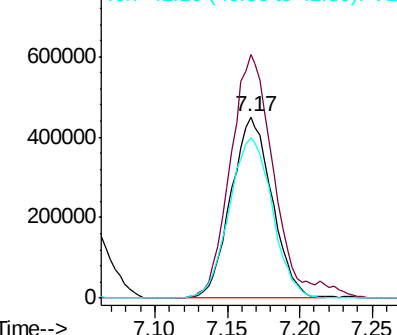
41 92.8 73.4 110.2

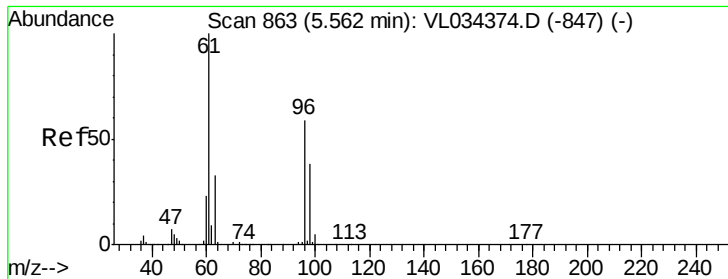


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



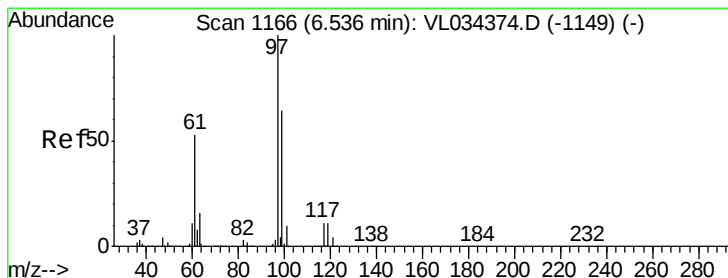
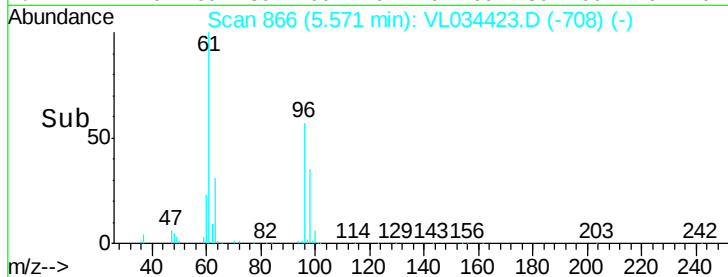
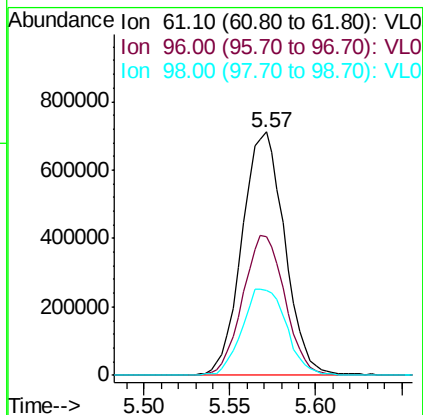
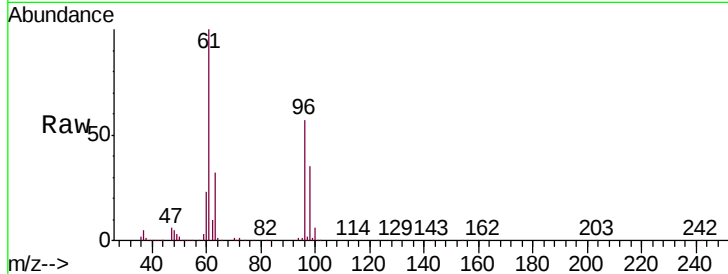


#31

cis-1,2-Dichloroethene
 Concen: 10.842 ppbv
 RT: 5.57 min Scan# 866
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

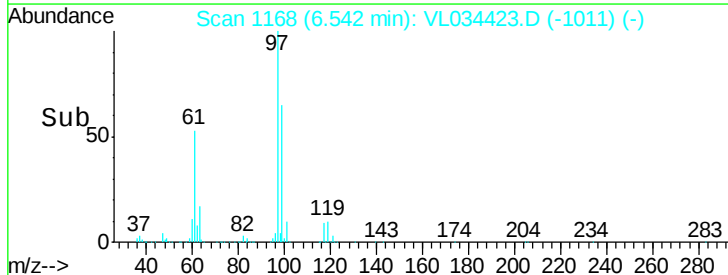
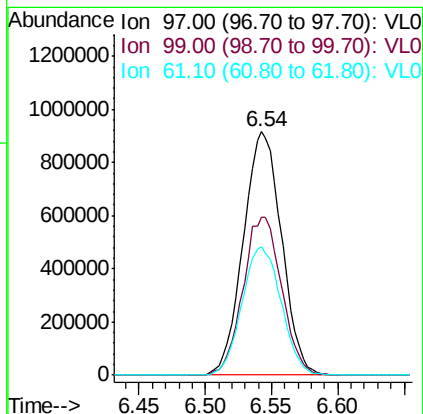
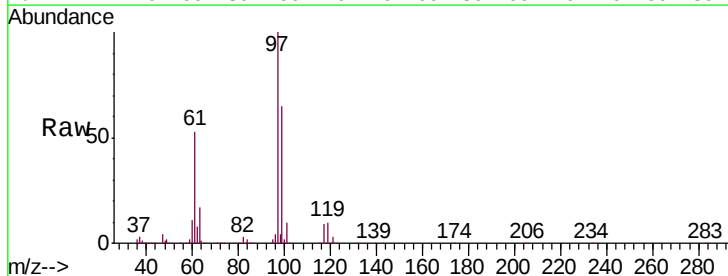
Tgt Ion: 61 Resp: 1218914
 Ion Ratio Lower Upper
 61 100
 96 57.0 47.4 71.2
 98 35.1 30.6 45.8

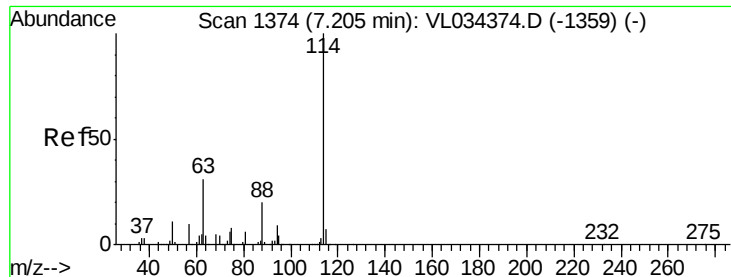


#32

1,1,1-Trichloroethane
 Concen: 11.144 ppbv
 RT: 6.54 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion: 97 Resp: 1840918
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.3 78.5
 61 54.3 43.7 65.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.22 min Scan# 1378

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

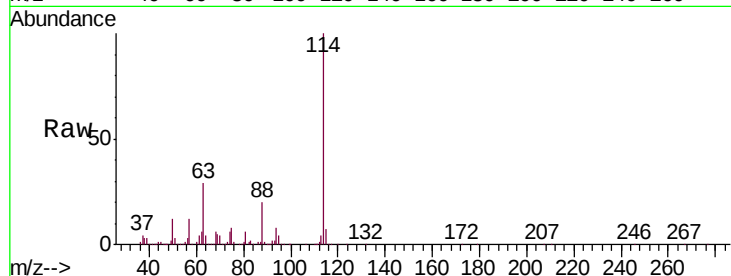
Tgt Ion:114 Resp: 2036188

Ion Ratio Lower Upper

114 100

63 30.0 24.2 36.4

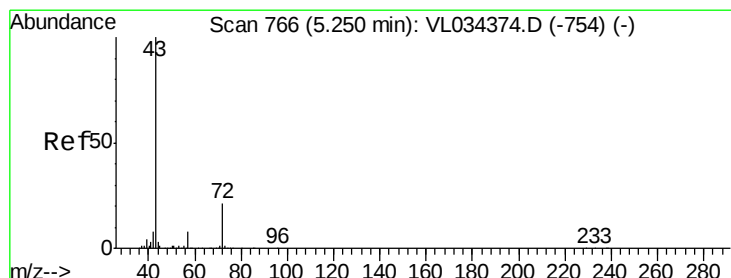
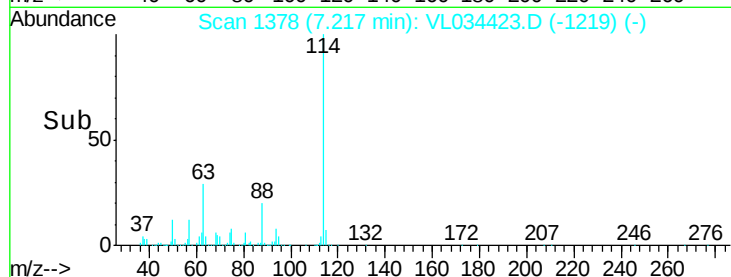
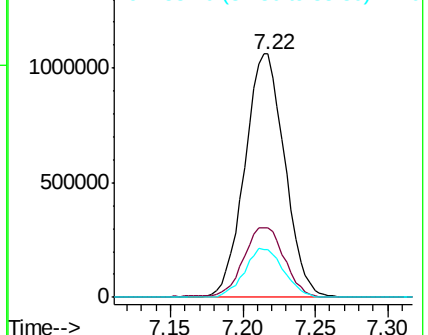
88 19.8 15.9 23.9



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.254 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL034423.D

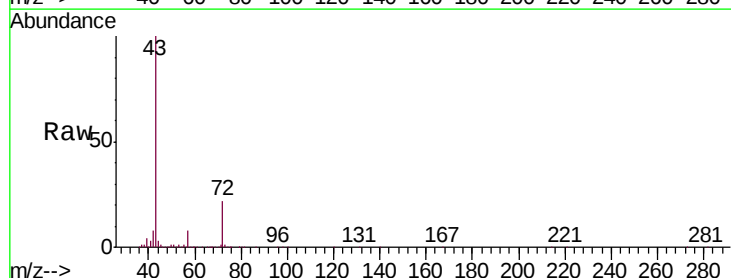
Acq: 2 Dec 2019 12:23

Tgt Ion: 43 Resp: 1718519

Ion Ratio Lower Upper

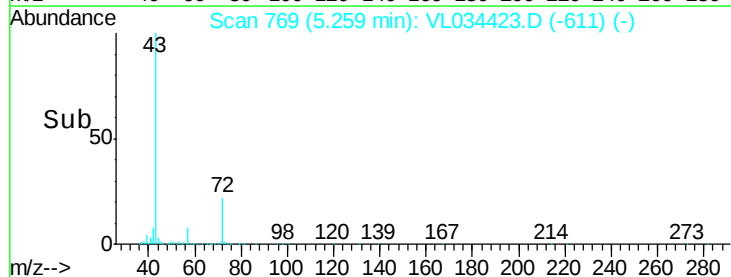
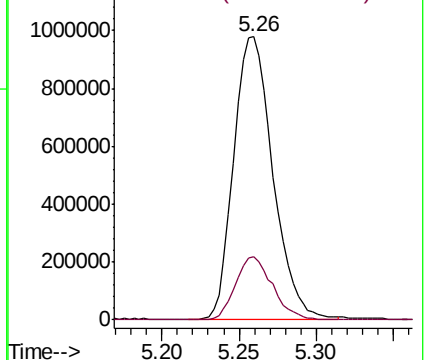
43 100

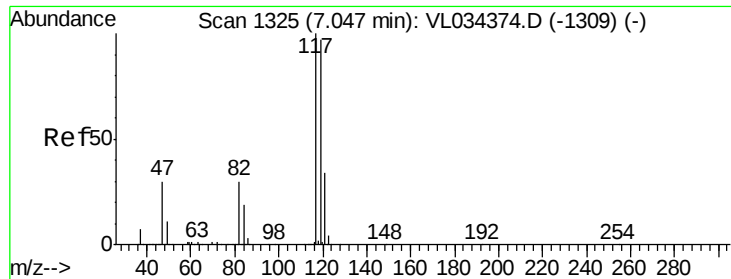
72 21.3 17.0 25.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.986 ppbv

RT: 7.05 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

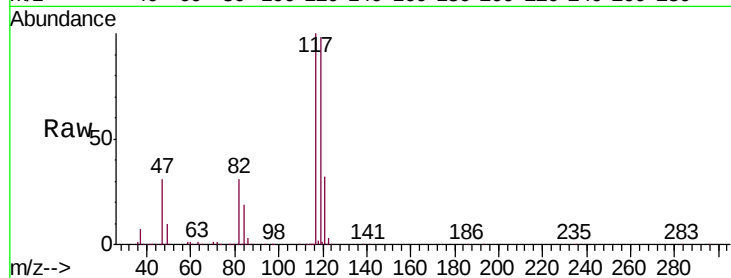
Tgt Ion:117 Resp: 1923336

Ion Ratio Lower Upper

117 100

119 98.1 77.3 115.9

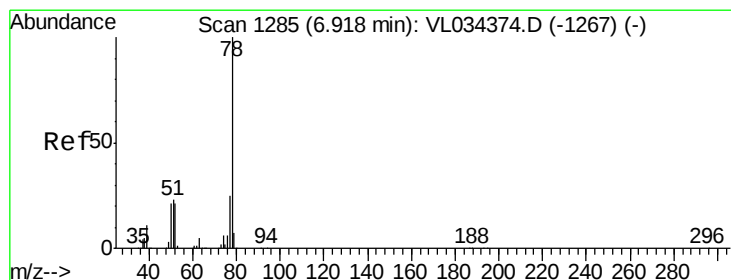
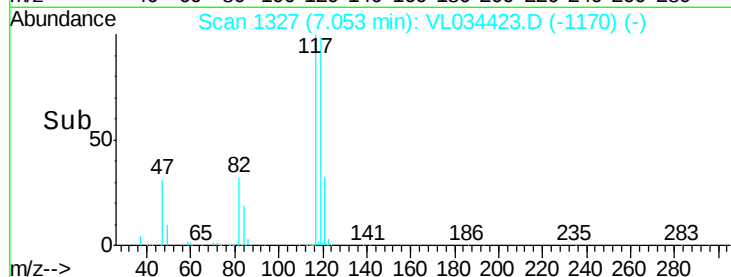
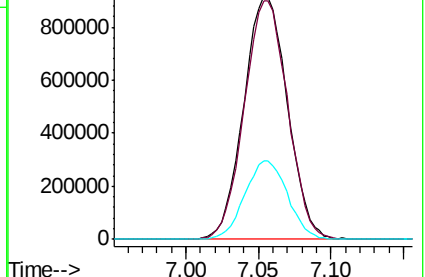
121 32.2 27.4 41.2



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: 10.371 ppbv

RT: 6.93 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

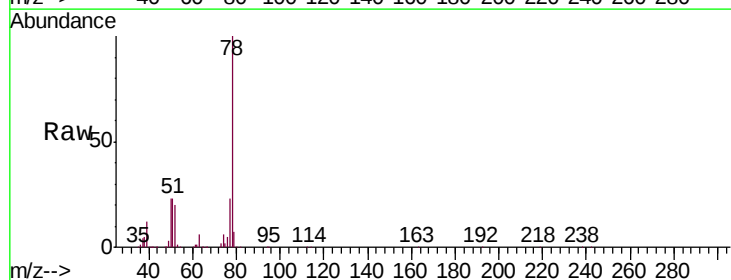
Tgt Ion: 78 Resp: 2111037

Ion Ratio Lower Upper

78 100

77 23.1 20.2 30.4

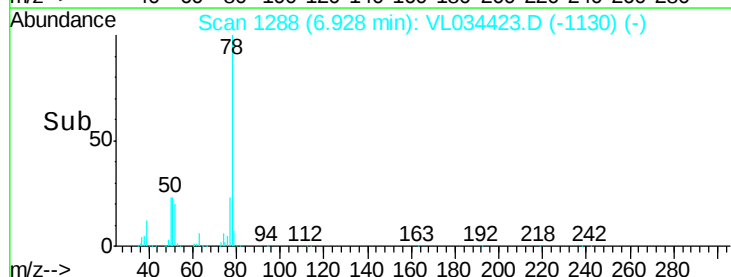
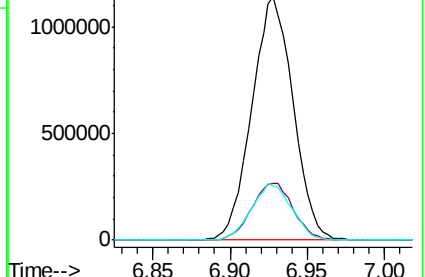
50 22.5 17.1 25.7

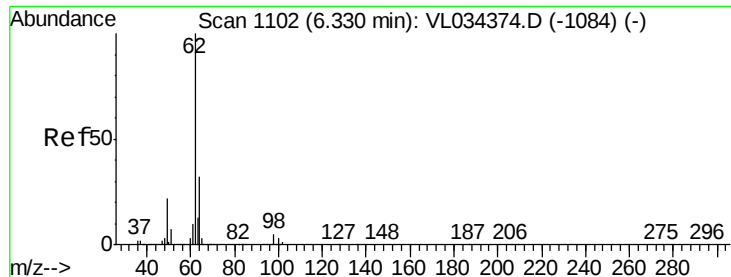


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.384 ppbv

RT: 6.34 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

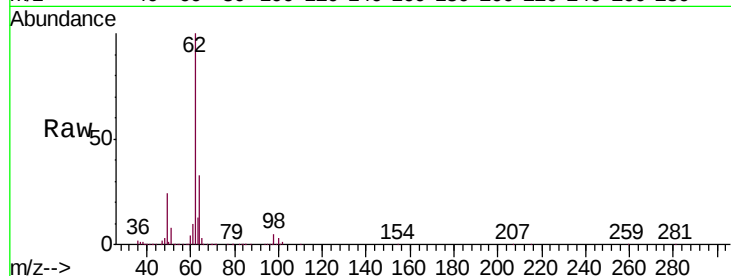
VL1202ABS01

Tgt Ion: 62 Resp: 1570131

Ion Ratio Lower Upper

62 100

98 5.1 3.8 5.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.34

800000

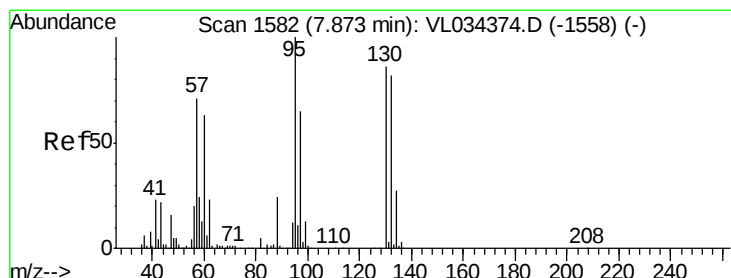
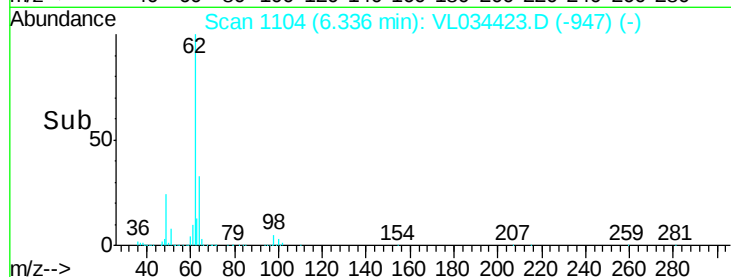
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 10.198 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion: 130 Resp: 851834

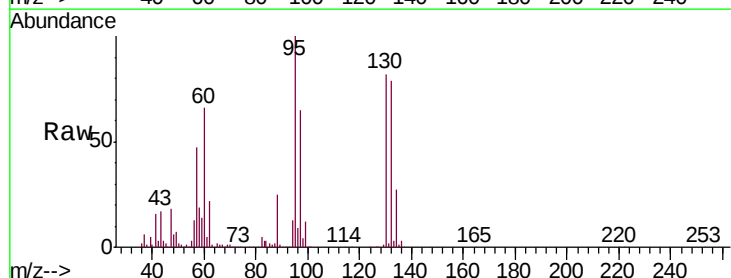
Ion Ratio Lower Upper

130 100

95 121.3 93.4 140.0

132 95.7 76.4 114.6

97 78.1 61.1 91.7



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

800000

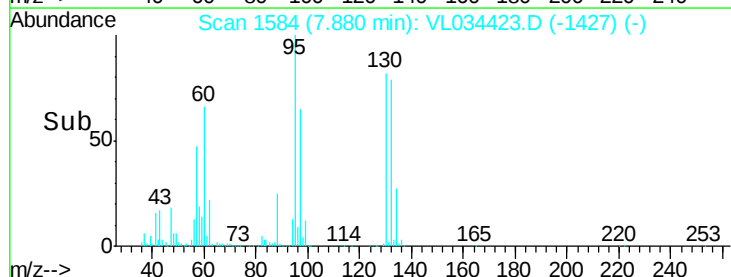
600000

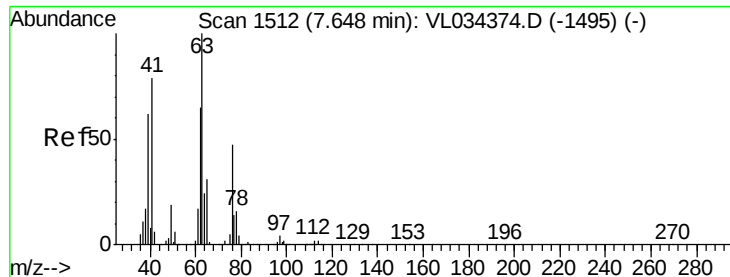
400000

200000

0

Time-->

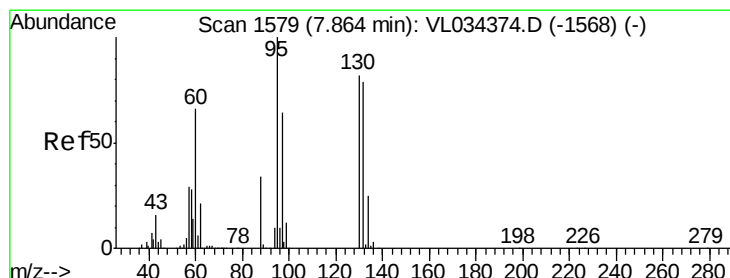
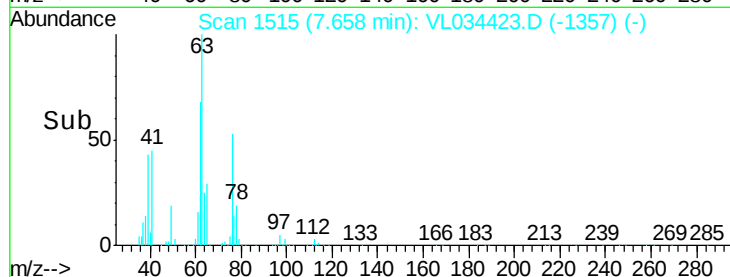
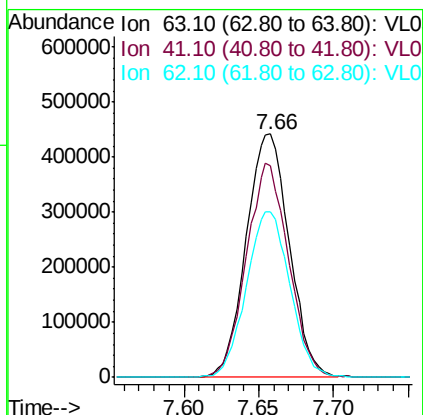
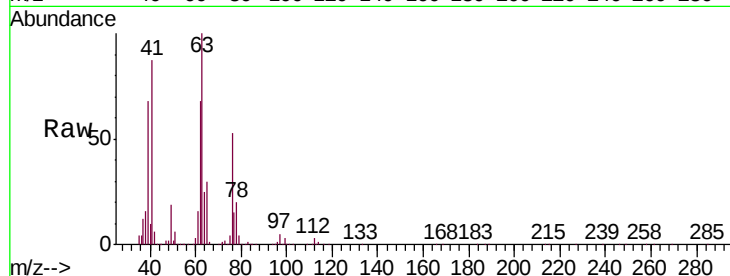




#39
 1,2-Dichloropropane
 Concen: 11.288 ppbv
 RT: 7.66 min Scan# 1515
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

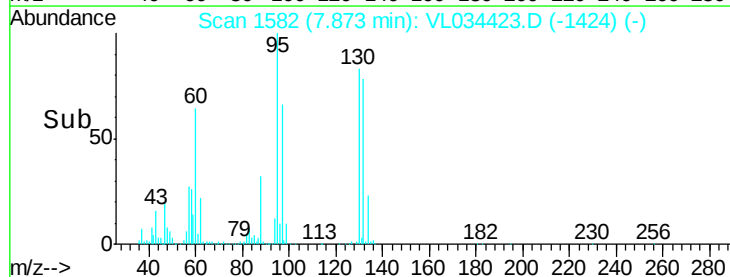
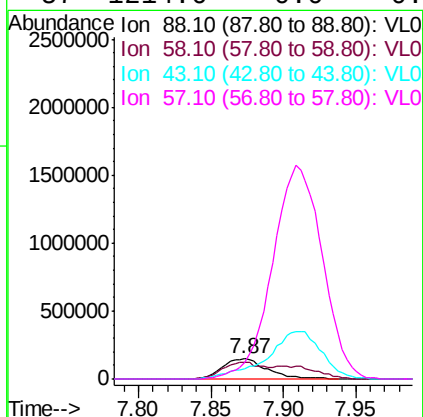
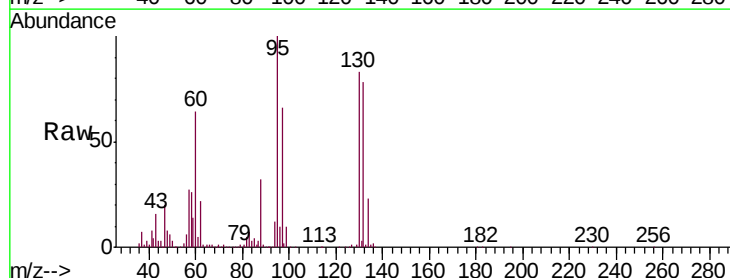
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

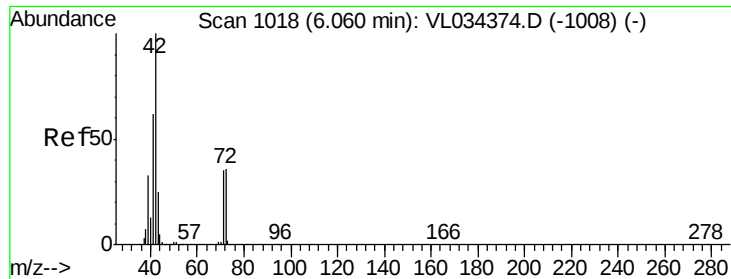
Tgt Ion: 63 Resp: 885193
 Ion Ratio Lower Upper
 63 100
 41 87.0 63.1 94.7
 62 67.7 52.3 78.5



#40
 1,4-Dioxane
 Concen: 9.051 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion: 88 Resp: 310042
 Ion Ratio Lower Upper
 88 100
 58 140.4 109.5 164.3
 43 299.6 0.0 0.0#
 57 1214.6 0.0 0.0#

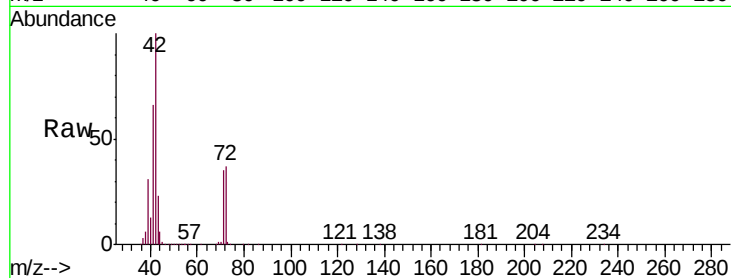




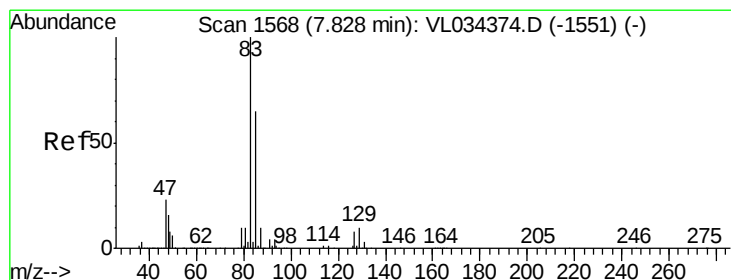
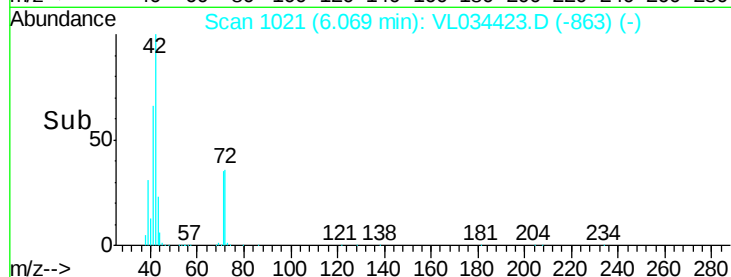
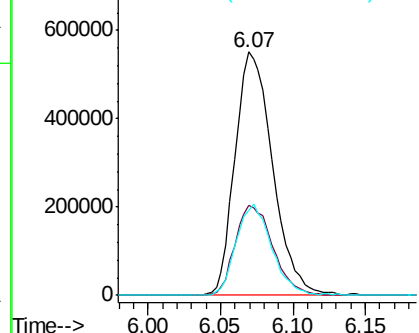
#41
Tetrahydrofuran
Concen: 10.595 ppbv
RT: 6.07 min Scan# 1021
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

Tgt Ion: 42 Resp: 995983
Ion Ratio Lower Upper
42 100
72 37.3 30.2 45.4
71 35.8 29.4 44.2

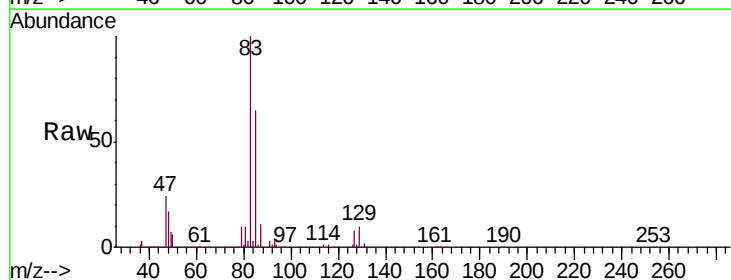


Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0

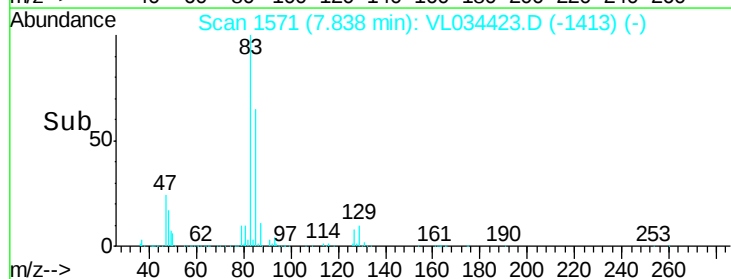
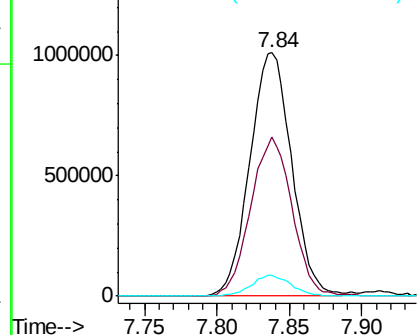


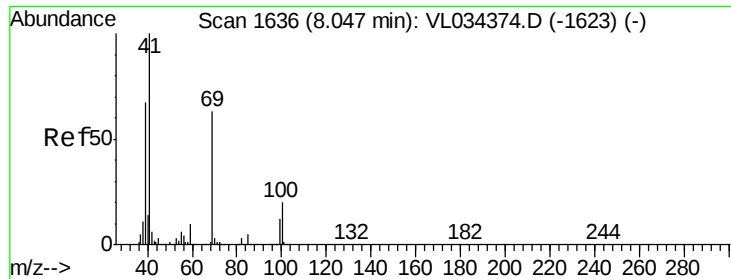
#42
Bromodichloromethane
Concen: 10.754 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 83 Resp: 2033724
Ion Ratio Lower Upper
83 100
85 65.3 52.3 78.5
127 8.4 6.1 9.1



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





#43

Methyl Methacrylate

Concen: 10.882 ppbv

RT: 8.06 min Scan# 1639

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

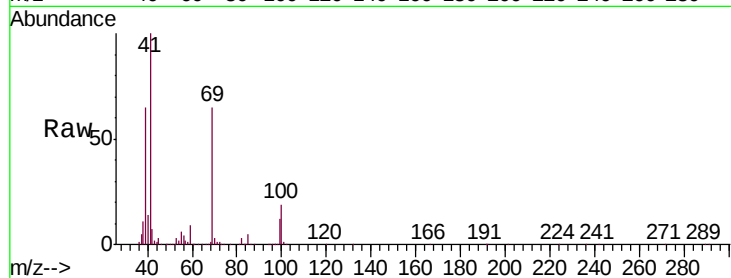
Tgt Ion: 69 Resp: 918665

Ion Ratio Lower Upper

69 100

41 158.0 127.4 191.2

100 28.5 24.2 36.4



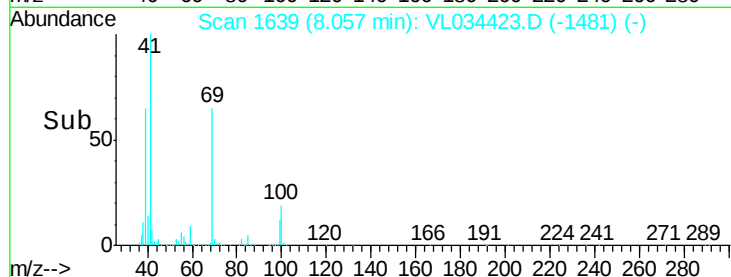
Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

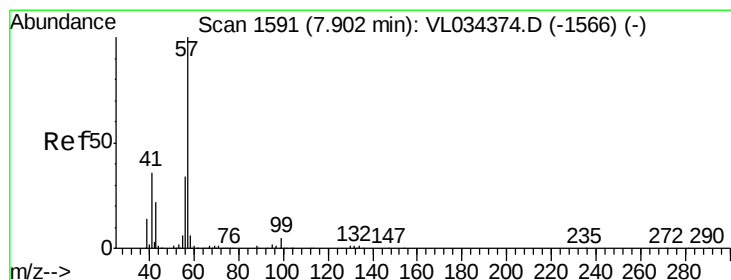
Ion 100.10 (99.80 to 100.80): VL0

8.06

Time-->



Time-->



#44

2,2,4-Trimethylpentane

Concen: 10.110 ppbv

RT: 7.91 min Scan# 1593

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

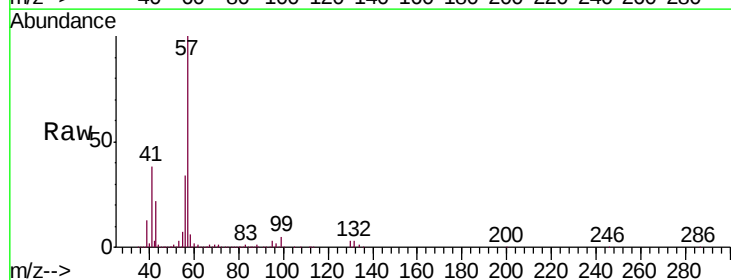
Tgt Ion: 57 Resp: 3760713

Ion Ratio Lower Upper

57 100

41 35.8 28.6 42.8

56 31.5 25.3 37.9



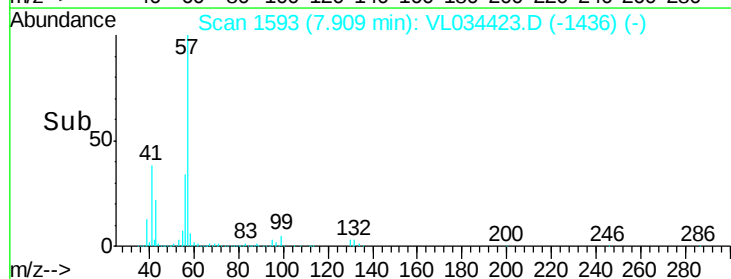
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

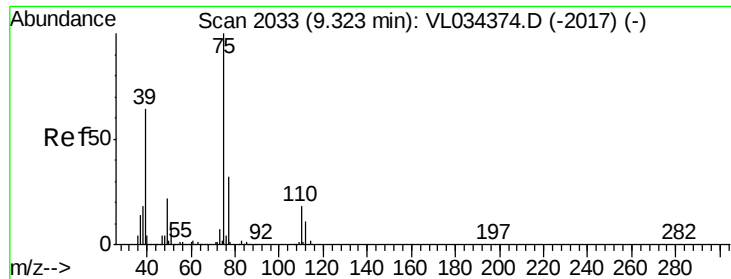
Ion 56.10 (55.80 to 56.80): VL0

7.91

Time-->



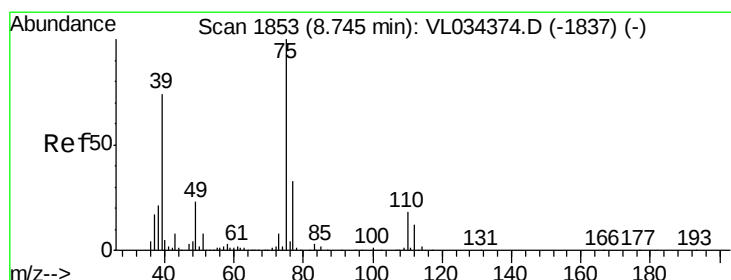
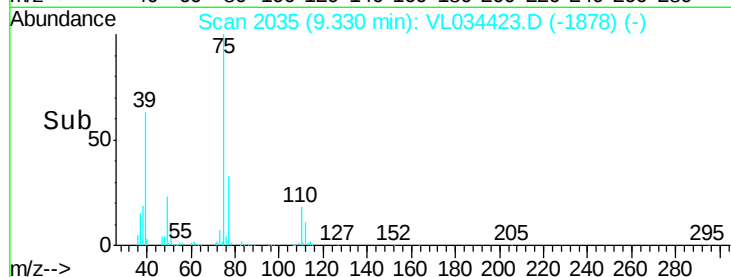
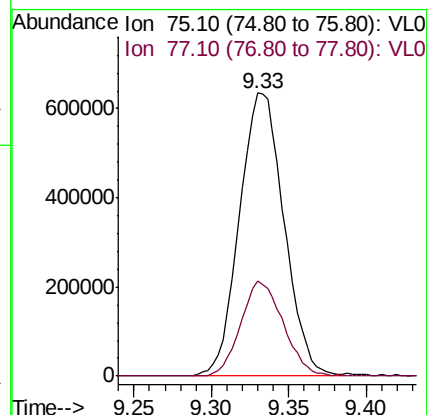
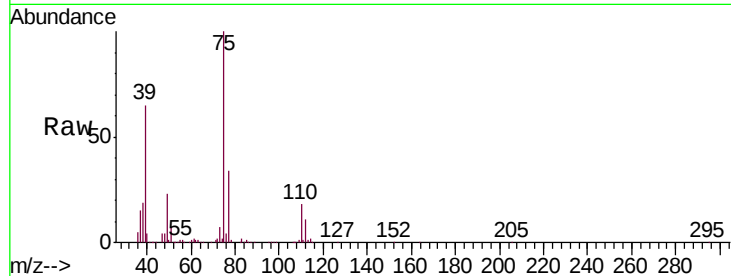
Time-->



#45
 t-1,3-Dichloropropene
 Concen: 11.682 ppbv
 RT: 9.33 min Scan# 2035
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

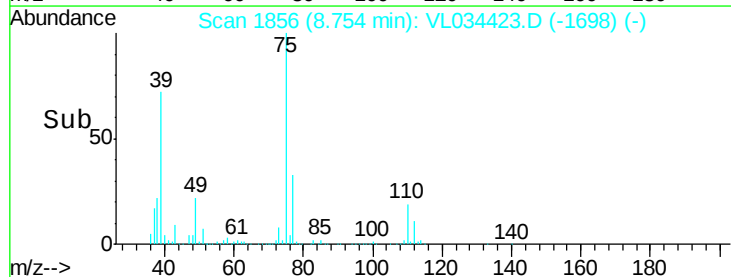
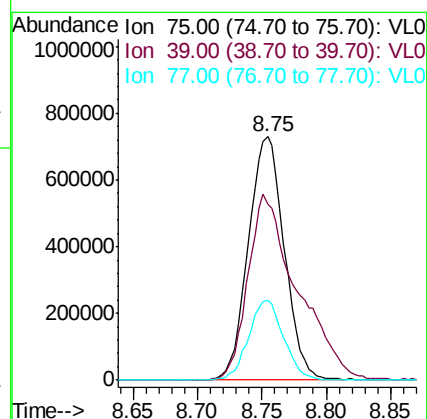
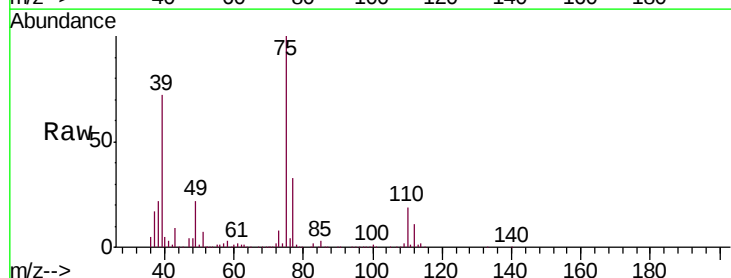
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

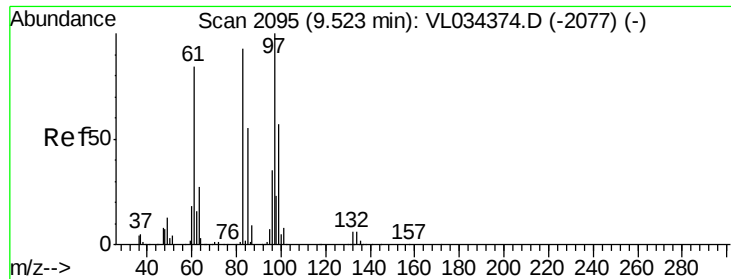
Tgt Ion: 75 Resp: 1264794
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.4 38.2



#46
 cis-1,3-Dichloropropene
 Concen: 11.630 ppbv
 RT: 8.75 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion: 75 Resp: 1414377
 Ion Ratio Lower Upper
 75 100
 39 72.2 59.0 88.6
 77 33.0 26.4 39.6

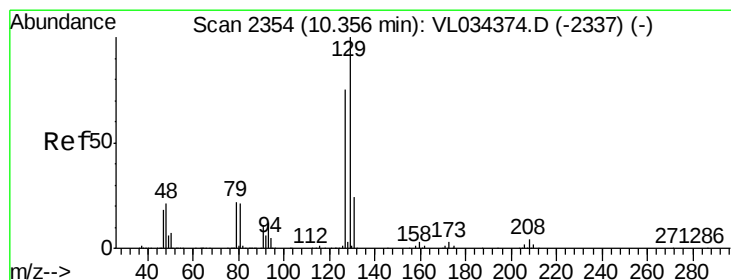
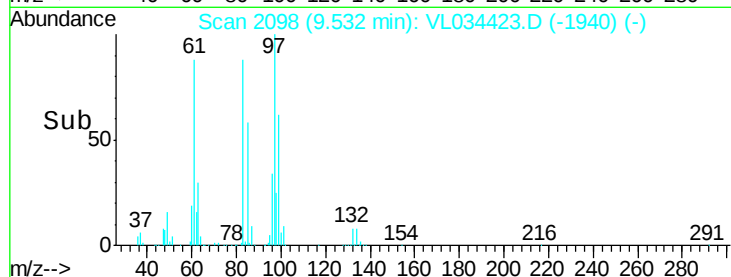
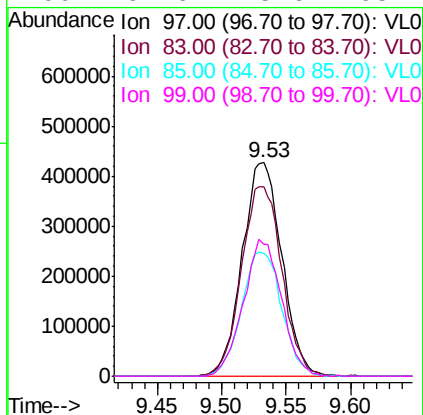
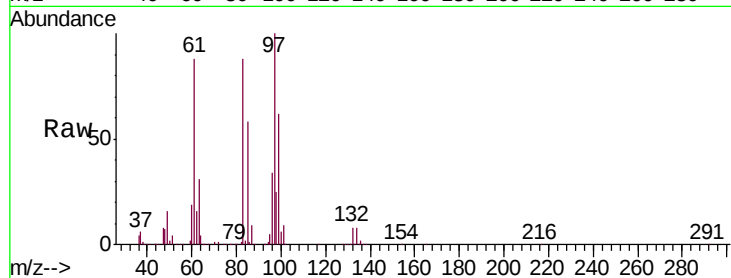




#47
 1,1,2-Trichloroethane
 Concen: 10.488 ppbv
 RT: 9.53 min Scan# 2098
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

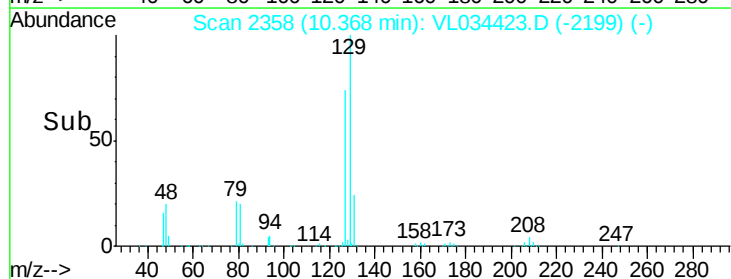
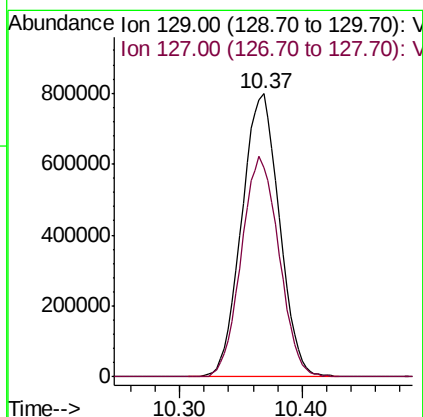
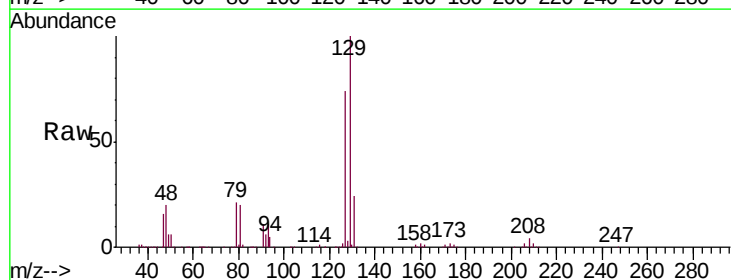
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

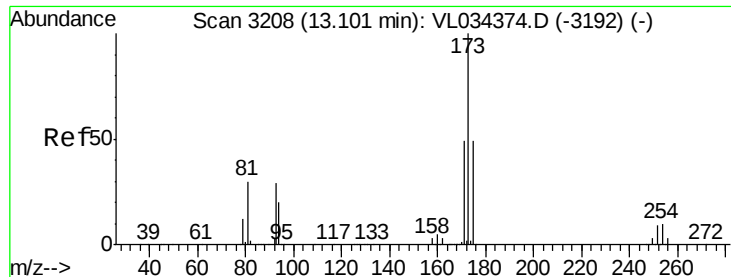
Tgt Ion: 97 Resp: 914889
 Ion Ratio Lower Upper
 97 100
 83 88.4 74.6 112.0
 85 57.7 43.8 65.8
 99 61.6 45.6 68.4



#48
 Dibromochloromethane
 Concen: 11.358 ppbv
 RT: 10.37 min Scan# 2358
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion: 129 Resp: 1701114
 Ion Ratio Lower Upper
 129 100
 127 77.8 39.1 117.5





#49

Bromoform

Concen: 11.467 ppbv

RT: 13.11 min Scan# 3211

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

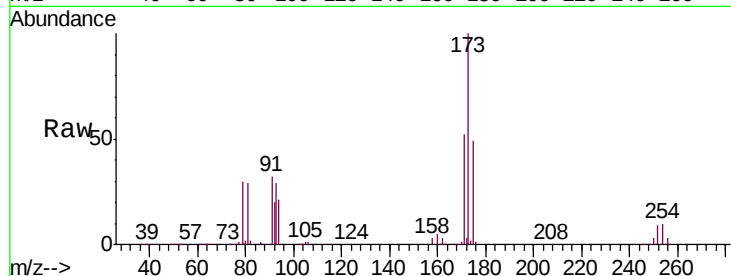
Tgt Ion:173 Resp: 1533127

Ion Ratio Lower Upper

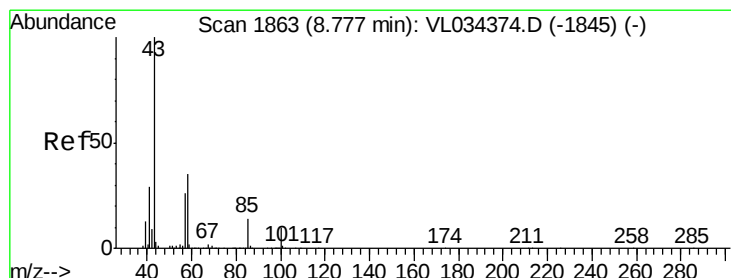
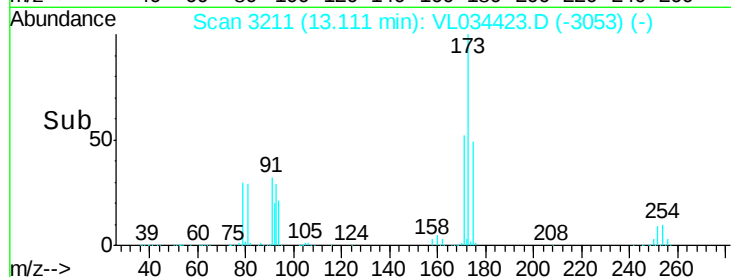
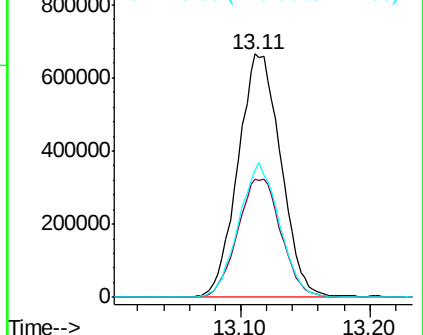
173 100

175 49.8 39.3 58.9

171 52.7 42.4 63.6



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.454 ppbv

RT: 8.79 min Scan# 1866

Delta R.T. 0.01 min

Lab File: VL034423.D

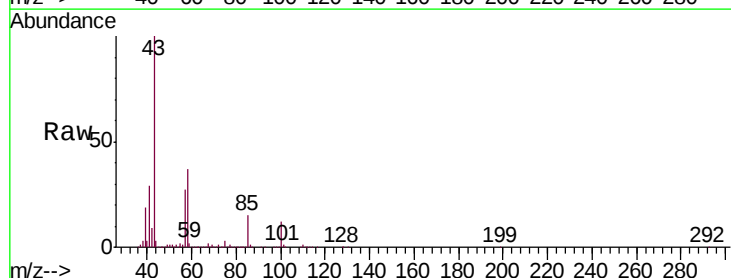
Acq: 2 Dec 2019 12:23

Tgt Ion: 43 Resp: 2534990

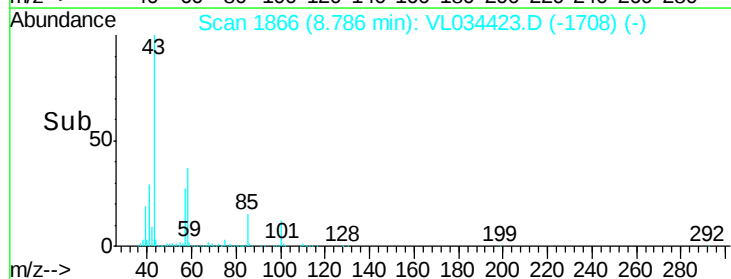
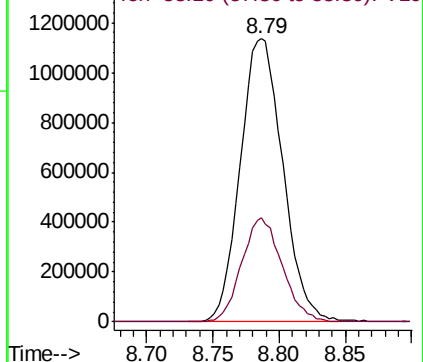
Ion Ratio Lower Upper

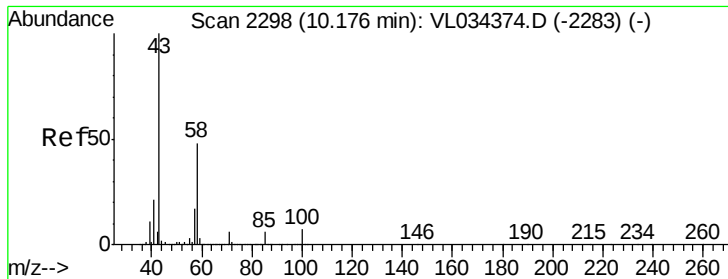
43 100

58 35.1 27.9 41.9



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

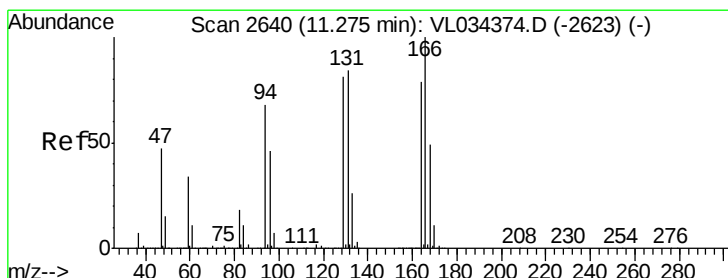
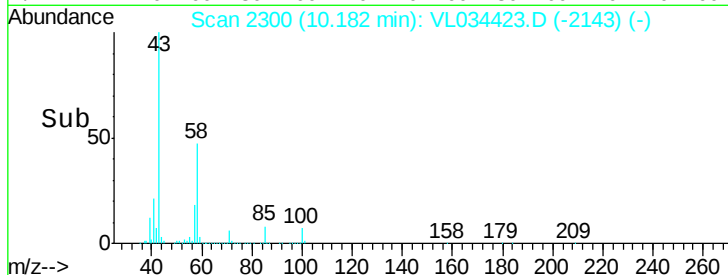
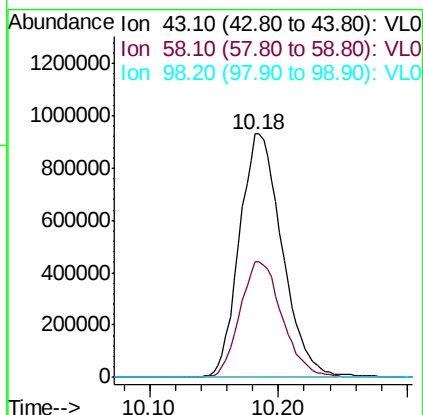
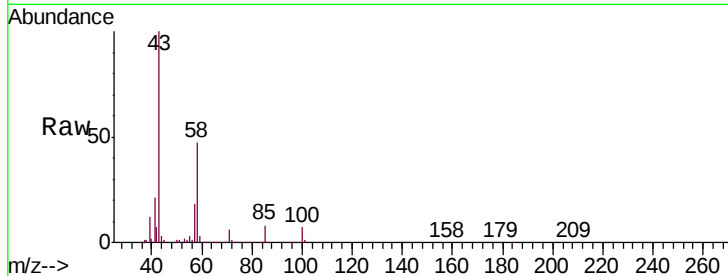




#51
2-Hexanone
Concen: 10.517 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

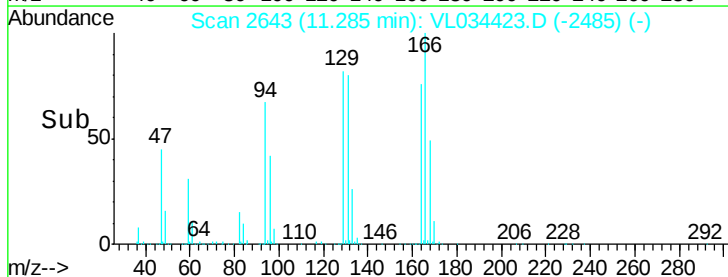
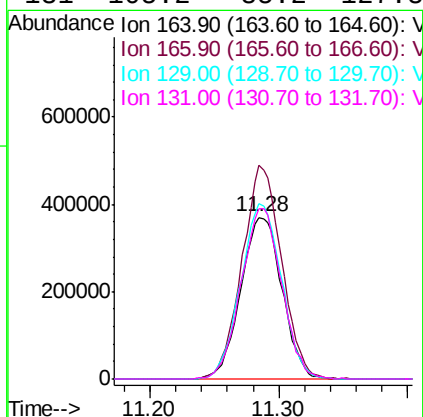
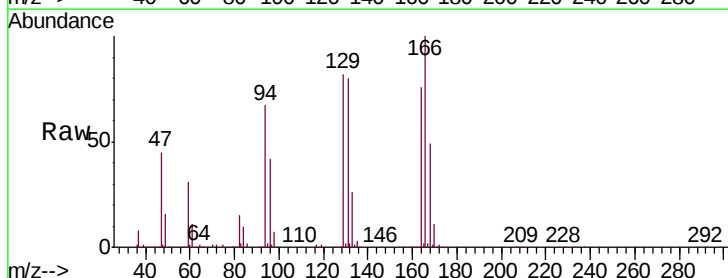
Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

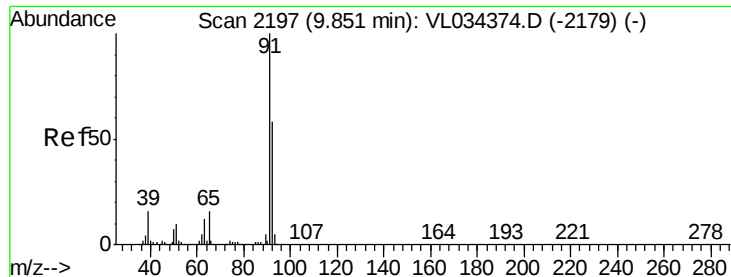
Tgt Ion: 43 Resp: 2136357
Ion Ratio Lower Upper
43 100
58 47.4 38.2 57.4
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 9.346 ppbv
RT: 11.28 min Scan# 2643
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 164 Resp: 823074
Ion Ratio Lower Upper
164 100
166 132.0 101.7 152.5
129 108.3 82.6 123.8
131 105.2 85.2 127.8





#53

Toluene

Concen: 10.633 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

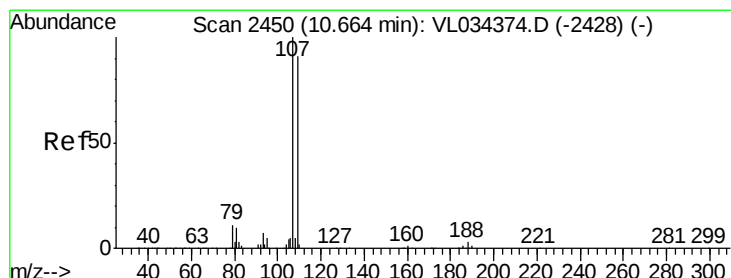
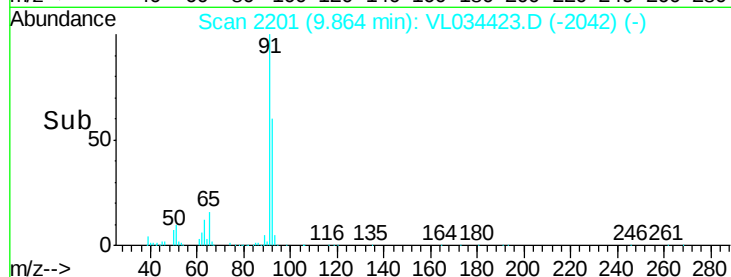
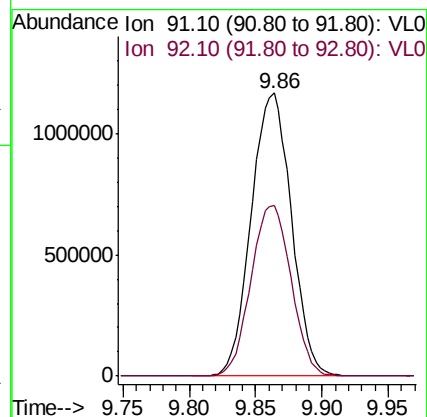
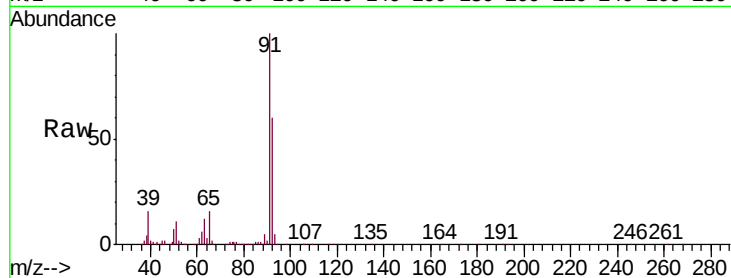
VL1202ABS01

Tgt Ion: 91 Resp: 2458330

Ion Ratio Lower Upper

91 100

92 60.7 47.9 71.9



#54

1,2-Dibromoethane

Concen: 10.395 ppbv

RT: 10.67 min Scan# 2453

Delta R.T. 0.01 min

Lab File: VL034423.D

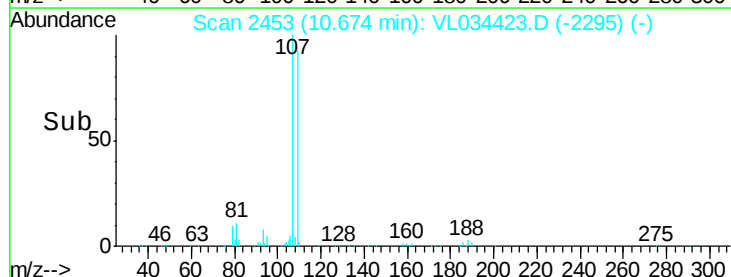
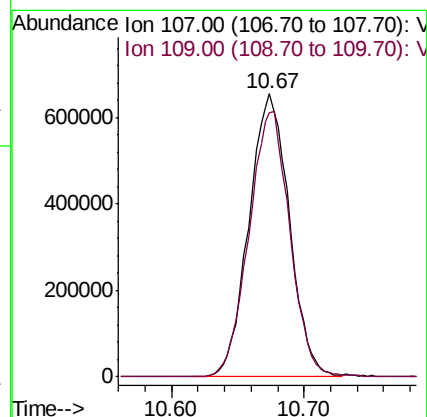
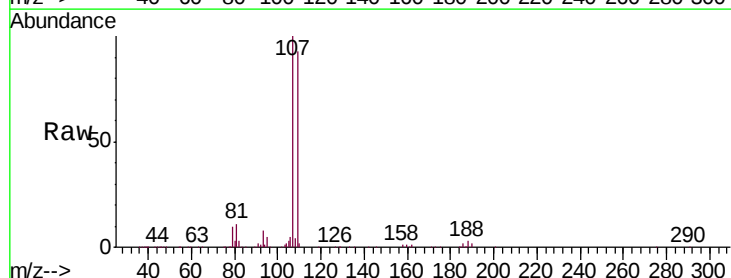
Acq: 2 Dec 2019 12:23

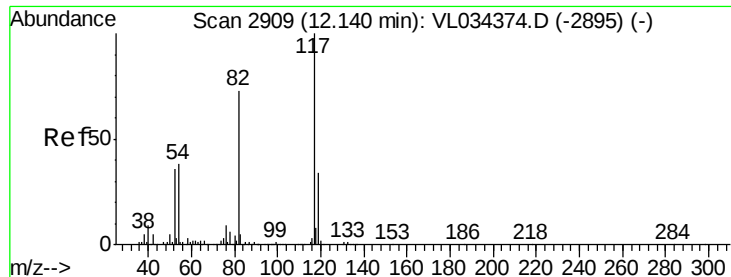
Tgt Ion: 107 Resp: 1390164

Ion Ratio Lower Upper

107 100

109 93.1 73.0 109.4

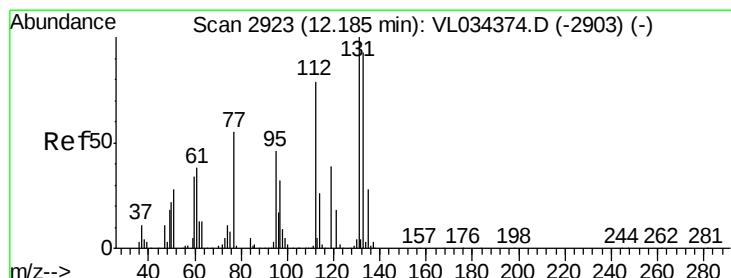
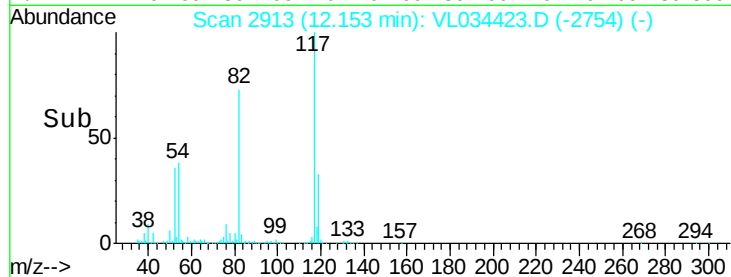
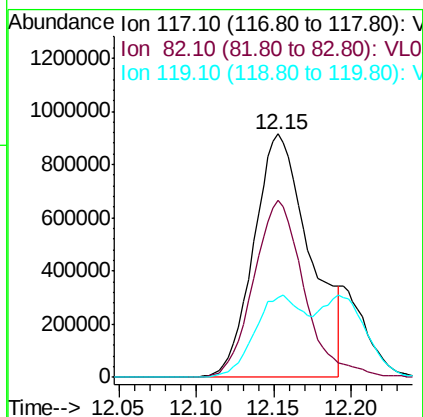
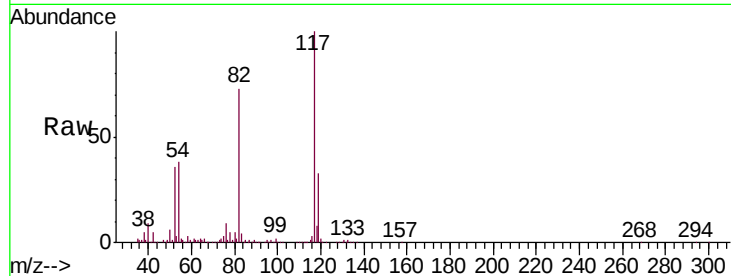




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

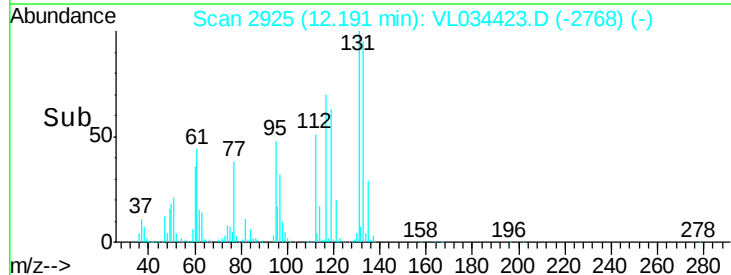
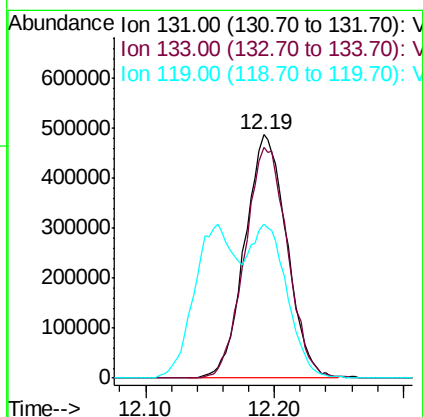
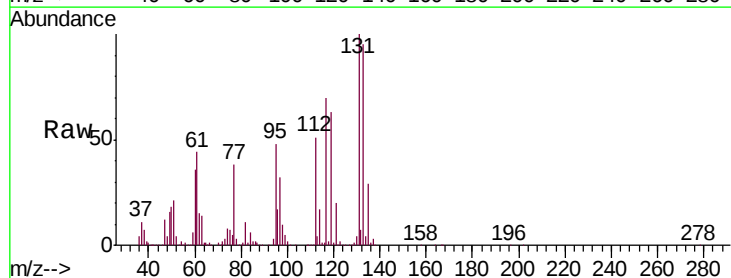
Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

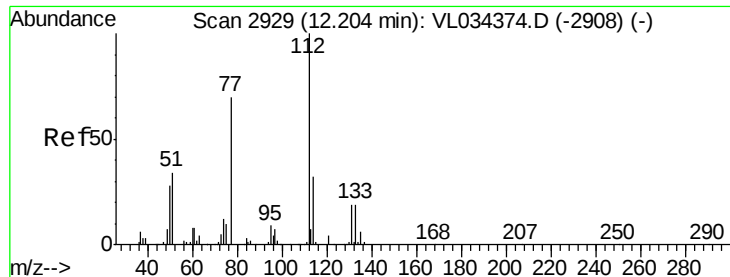
Tgt Ion:117 Resp: 2309076
Ion Ratio Lower Upper
117 100
82 65.8 57.5 86.3
119 28.9 25.4 38.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.763 ppbv
RT: 12.19 min Scan# 2925
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion:131 Resp: 1102703
Ion Ratio Lower Upper
131 100
133 96.8 76.2 114.2
119 65.4 44.6 67.0





#57

Chlorobenzene

Concen: 9.131 ppbv

RT: 12.21 min Scan# 2931

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

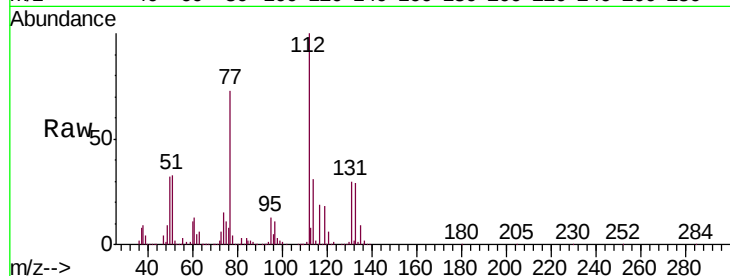
Tgt Ion:112 Resp: 1905850

Ion Ratio Lower Upper

112 100

77 72.3 57.1 85.7

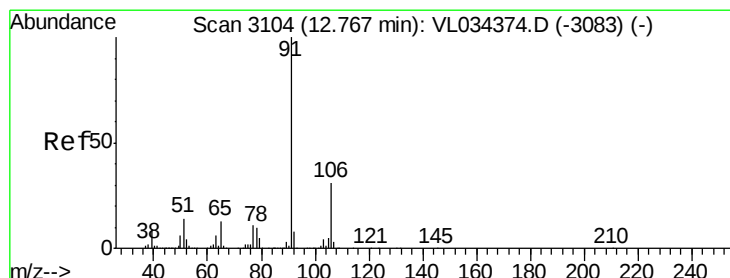
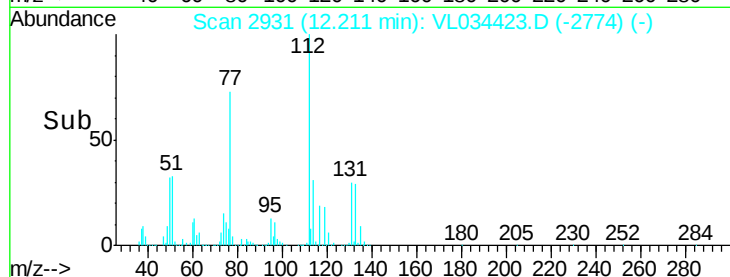
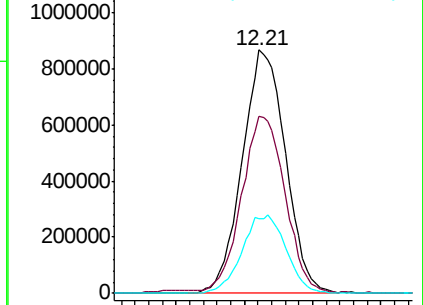
114 30.8 28.5 34.9



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: 9.406 ppbv

RT: 12.78 min Scan# 3108

Delta R.T. 0.01 min

Lab File: VL034423.D

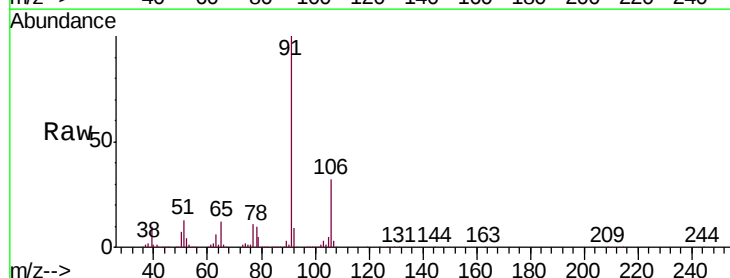
Acq: 2 Dec 2019 12:23

Tgt Ion: 91 Resp: 3370387

Ion Ratio Lower Upper

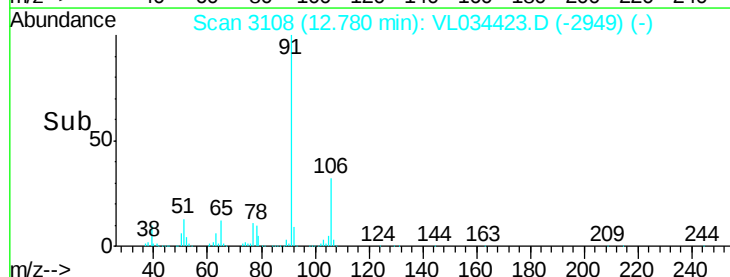
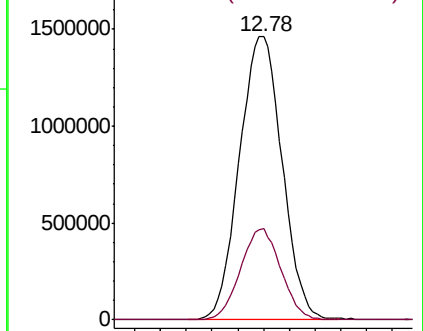
91 100

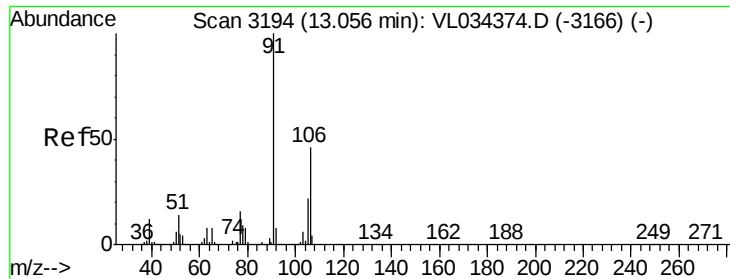
106 32.3 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

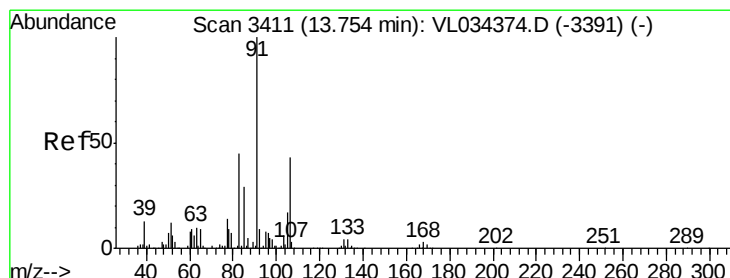
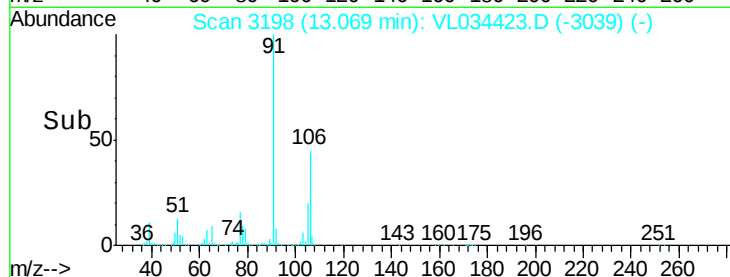
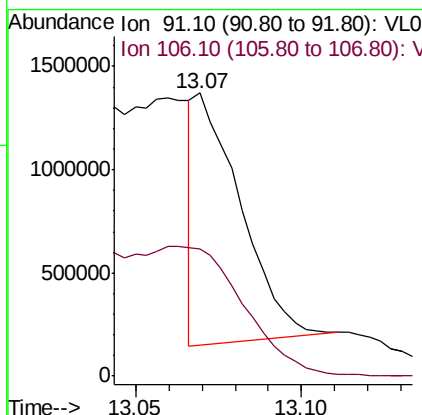
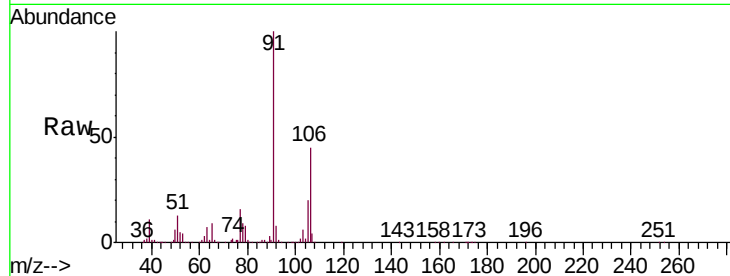




#59
m/p-Xylene
Concen: 3.736 ppbv
RT: 13.07 min Scan# 3198
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

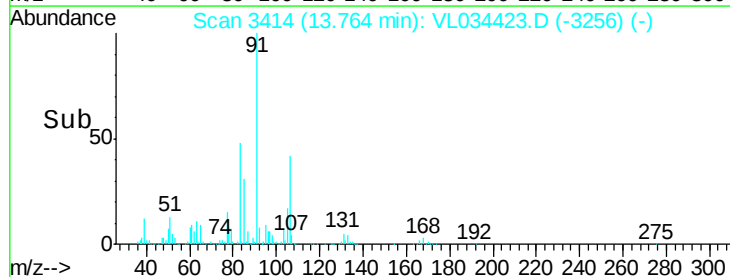
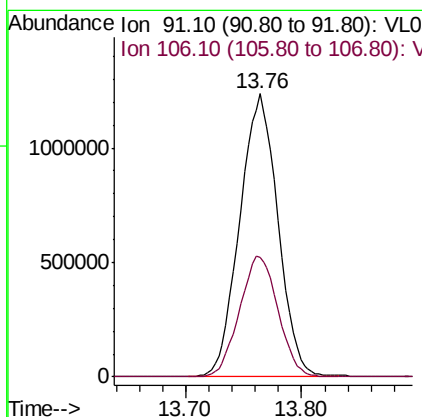
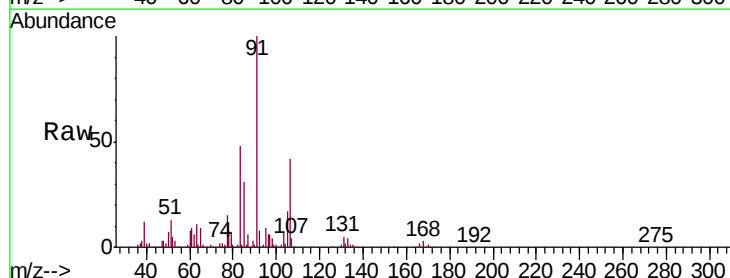
Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

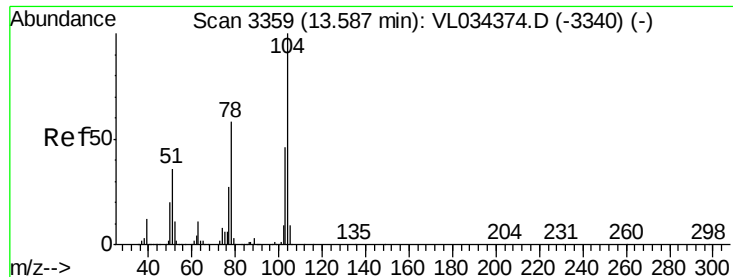
Tgt Ion: 91 Resp: 1157222
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#



#60
o-Xylene
Concen: 9.234 ppbv
RT: 13.76 min Scan# 3414
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion: 91 Resp: 2827903
Ion Ratio Lower Upper
91 100
106 43.1 21.3 64.0

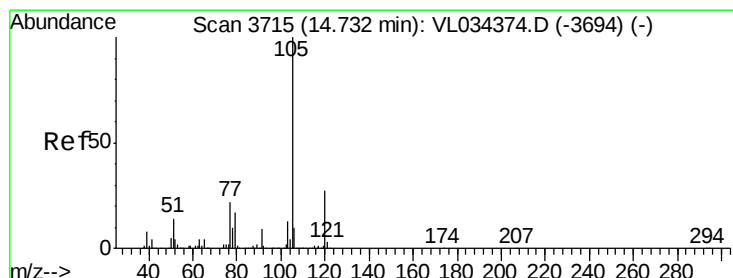
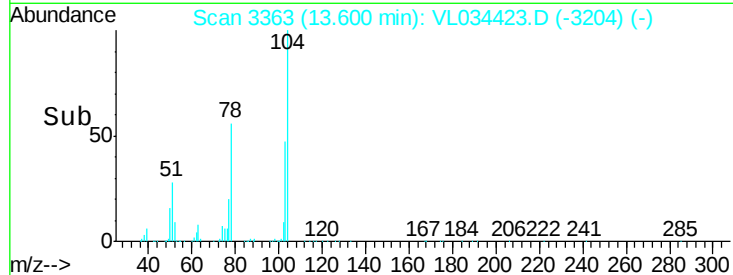
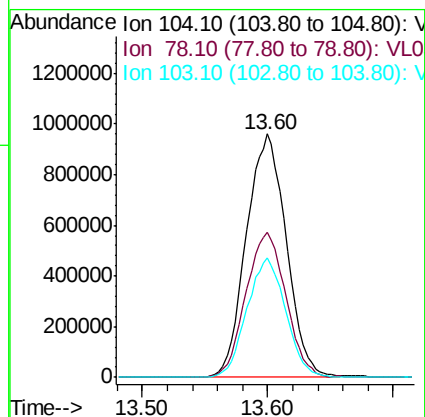
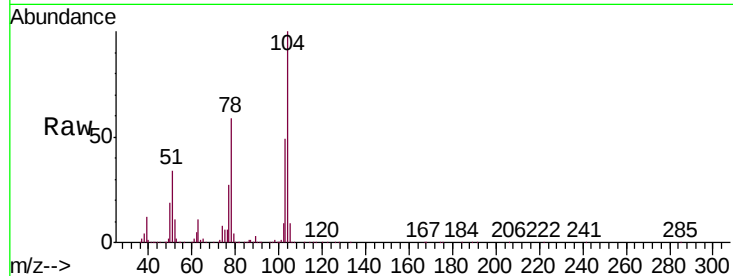




#61
Styrene
Concen: 9.627 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

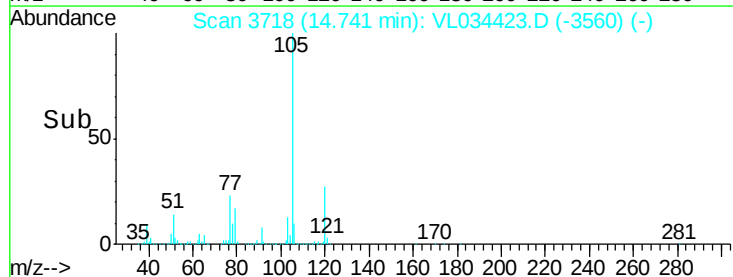
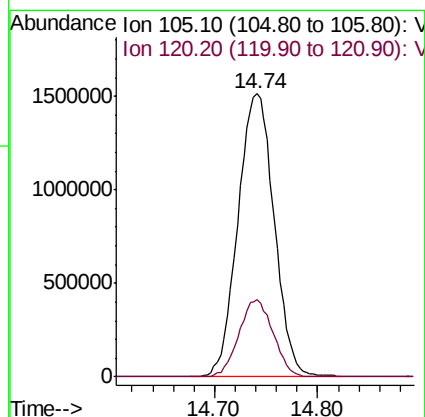
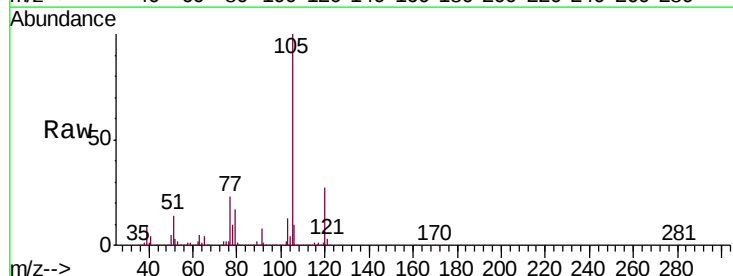
Instrument :
MSVOA_L
ClientSampleId :
VL1202ABS01

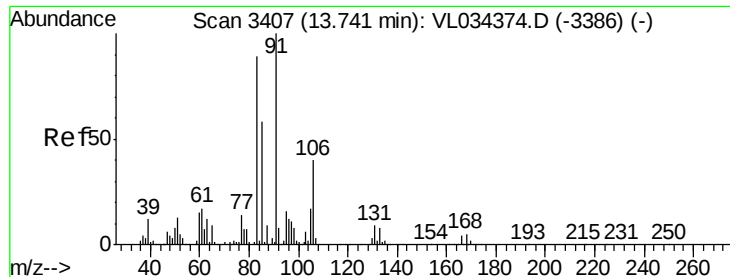
Tgt Ion:104 Resp: 2126109
Ion Ratio Lower Upper
104 100
78 59.8 47.6 71.4
103 47.9 38.6 57.8



#62
Isopropylbenzene
Concen: 9.134 ppbv
RT: 14.74 min Scan# 3718
Delta R.T. 0.01 min
Lab File: VL034423.D
Acq: 2 Dec 2019 12:23

Tgt Ion:105 Resp: 3699617
Ion Ratio Lower Upper
105 100
120 25.9 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.690 ppbv

RT: 13.75 min Scan# 3409

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

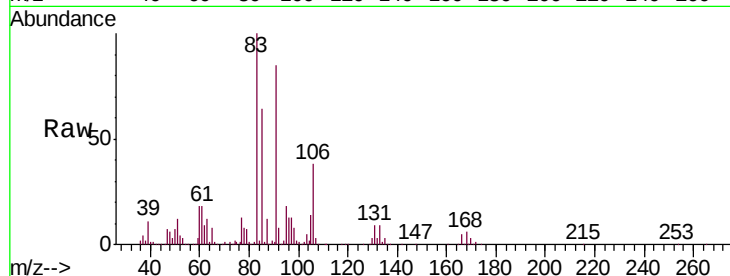
Tgt Ion: 83 Resp: 2000592

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.7

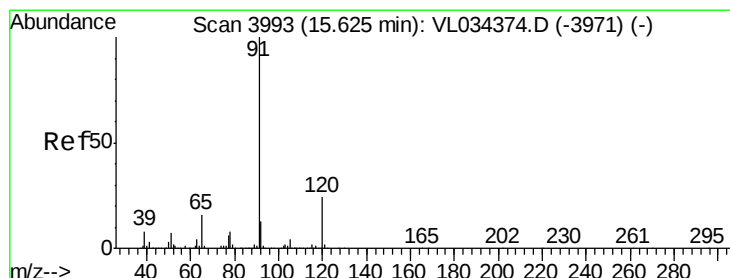
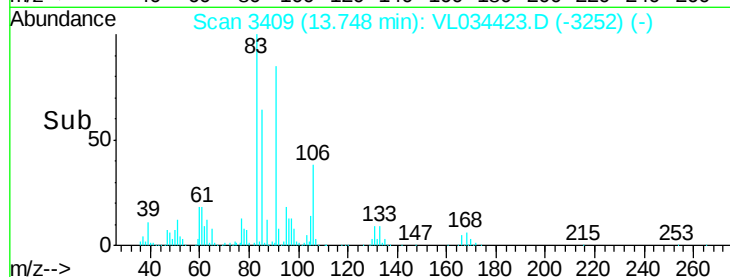
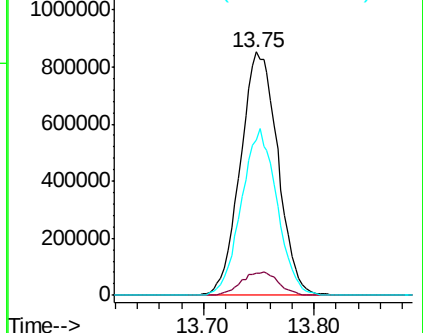
85 65.6 32.6 97.8



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: 9.407 ppbv

RT: 15.64 min Scan# 3996

Delta R.T. 0.01 min

Lab File: VL034423.D

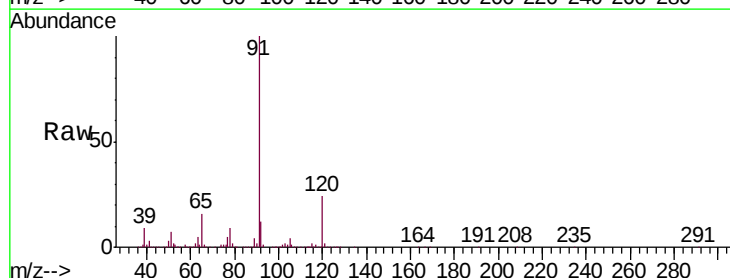
Acq: 2 Dec 2019 12:23

Tgt Ion: 120 Resp: 989451

Ion Ratio Lower Upper

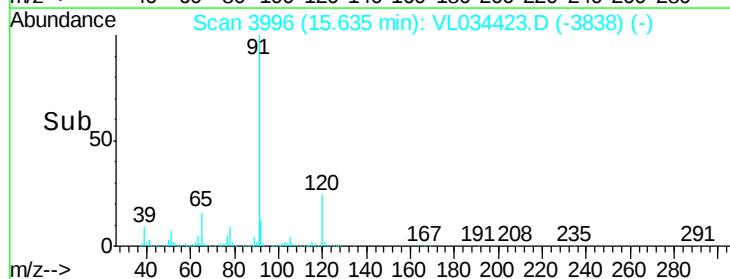
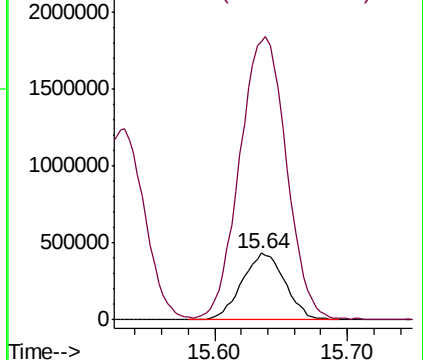
120 100

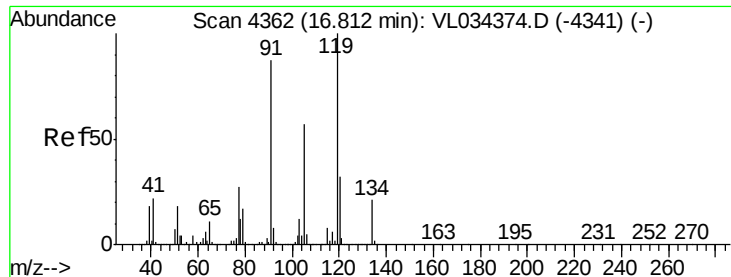
91 459.4 370.9 556.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

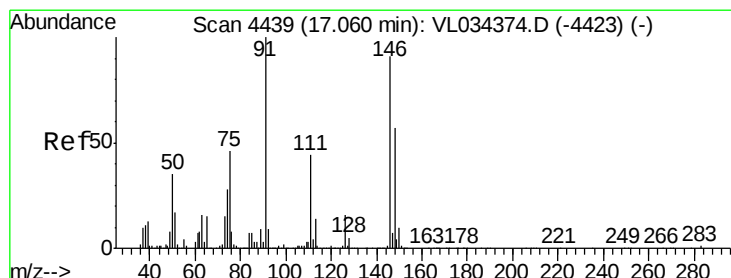
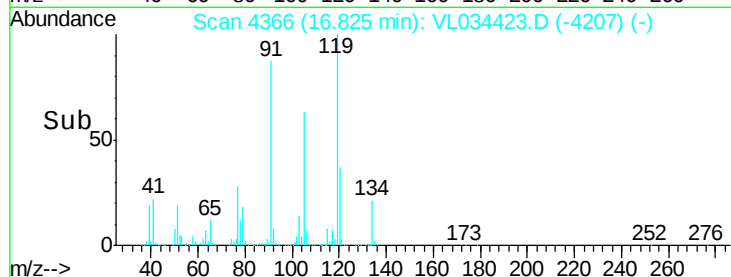
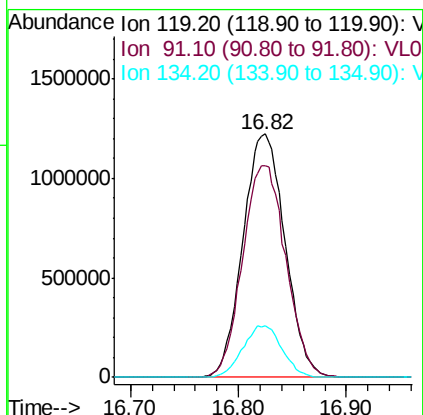
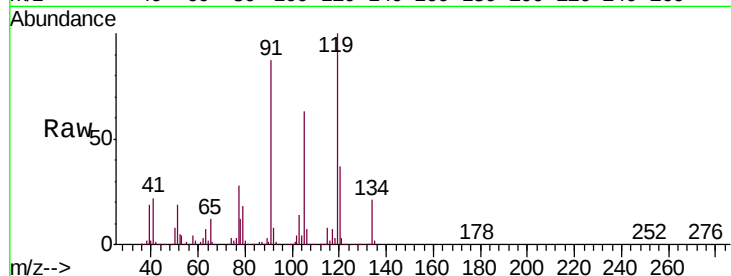




#65
 tert-Butylbenzene
 Concen: 9.115 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

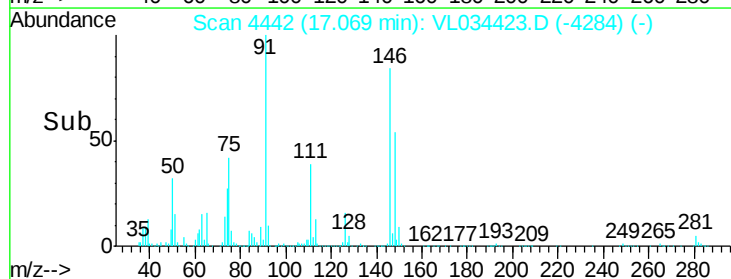
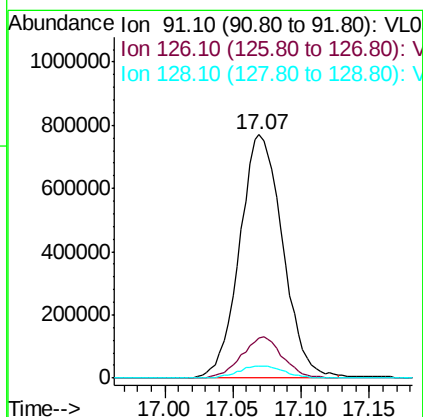
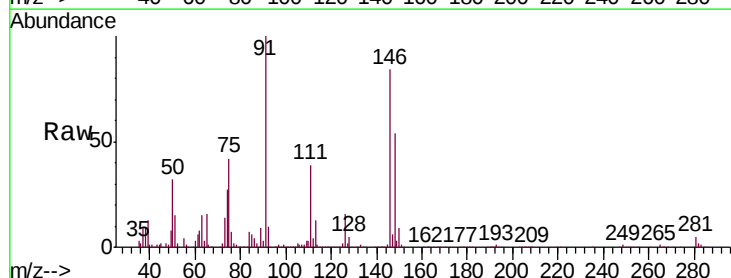
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

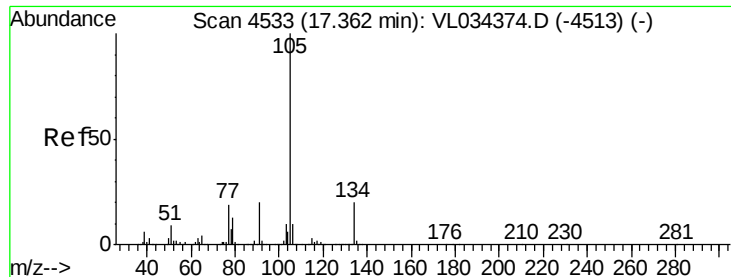
Tgt Ion: 119 Resp: 3316459
 Ion Ratio Lower Upper
 119 100
 91 89.6 71.6 107.4
 134 19.9 15.9 23.9



#66
 Benzyl Chloride
 Concen: 12.001 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion: 91 Resp: 1679738
 Ion Ratio Lower Upper
 91 100
 126 16.4 12.9 19.3
 128 5.2 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.989 ppbv

RT: 17.37 min Scan# 4536

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

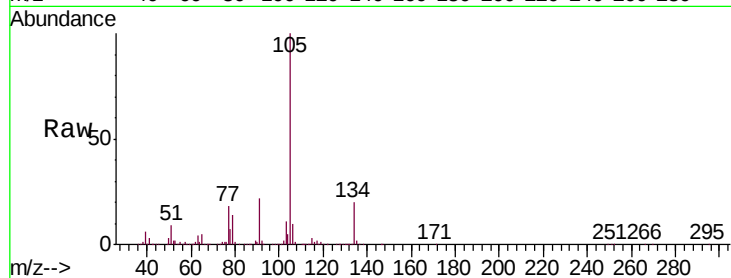
VL1202ABS01

Tgt Ion:105 Resp: 4574748

Ion Ratio Lower Upper

105 100

134 18.9 15.0 22.6



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.37

1500000

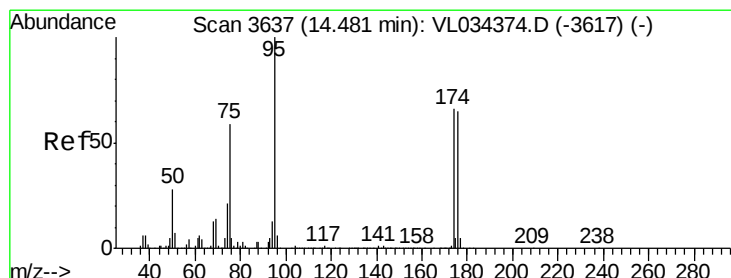
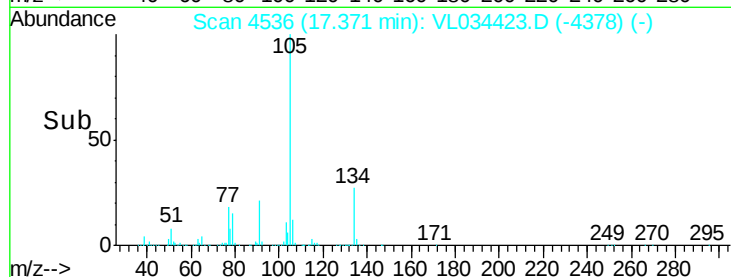
1000000

500000

0

Time-->

17.30 17.40



#68

1-Bromo-4-Fluorobenzene

Concen: 9.093 ppbv

RT: 14.49 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

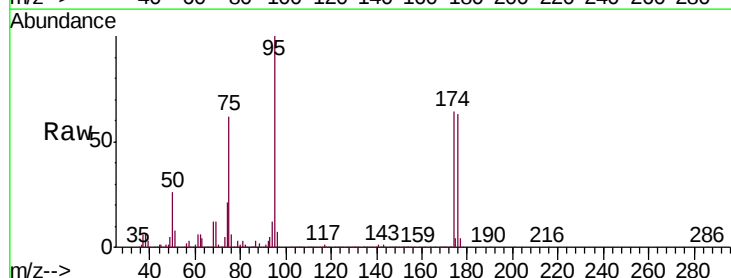
Tgt Ion: 95 Resp: 1766334

Ion Ratio Lower Upper

95 100

174 66.4 52.2 78.2

175 4.8 3.8 5.8



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

1000000

800000

600000

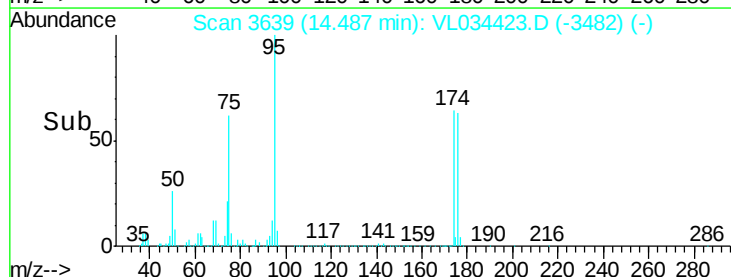
400000

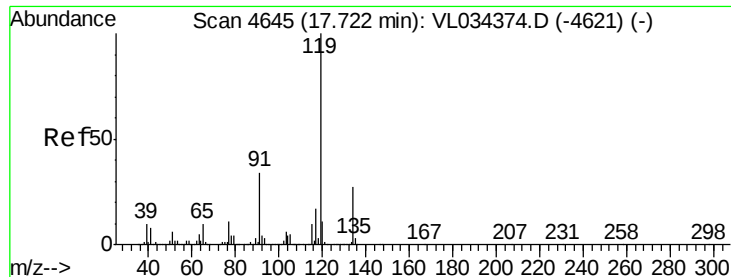
200000

0

Time-->

14.40 14.50





#69

p-Isopropyltoluene

Concen: 9.125 ppbv

RT: 17.73 min Scan# 4648

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

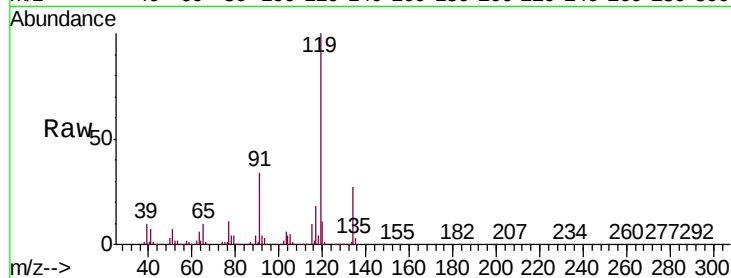
Tgt Ion:119 Resp: 3854138

Ion Ratio Lower Upper

119 100

134 25.9 20.6 31.0

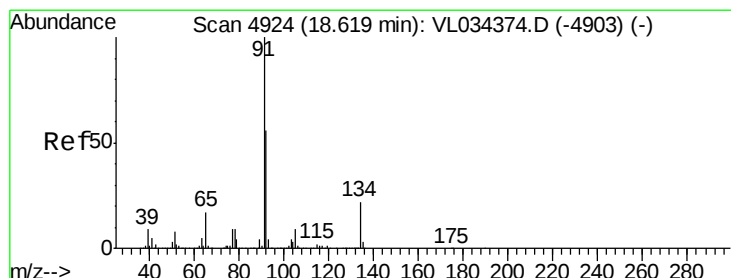
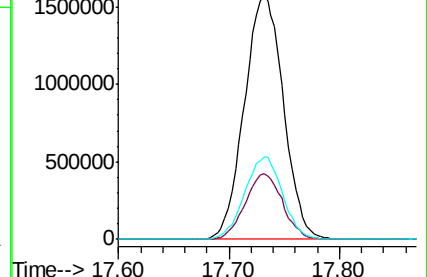
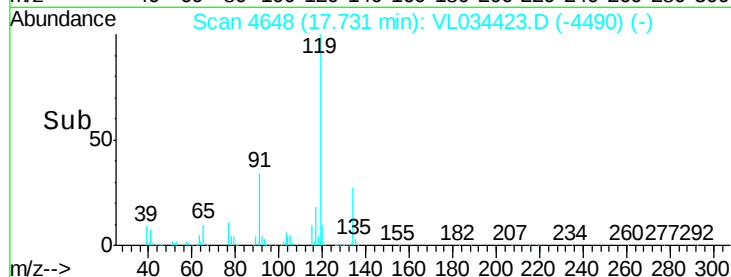
91 33.0 26.3 39.5



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 8.909 ppbv

RT: 18.63 min Scan# 4928

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

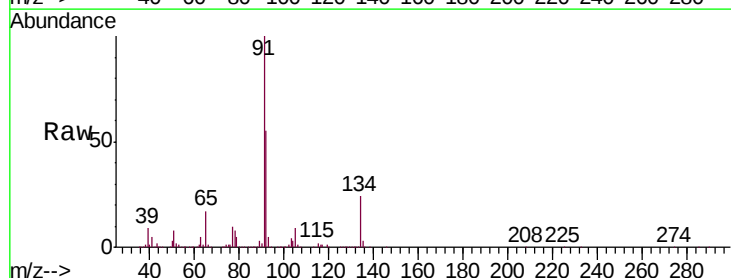
Tgt Ion: 91 Resp: 4048963

Ion Ratio Lower Upper

91 100

92 55.0 43.8 65.6

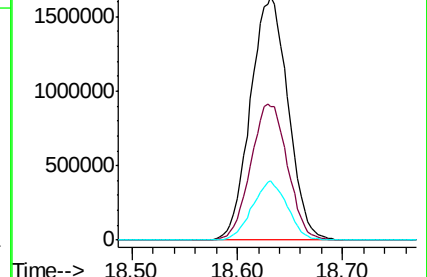
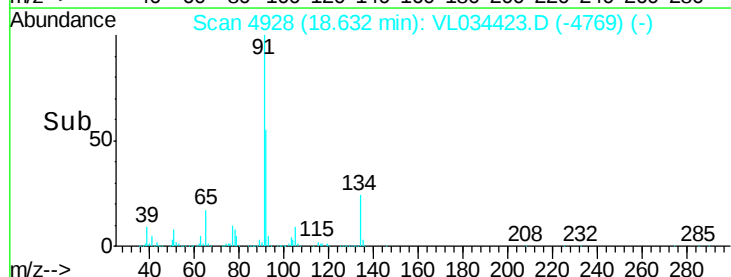
134 22.8 17.9 26.9

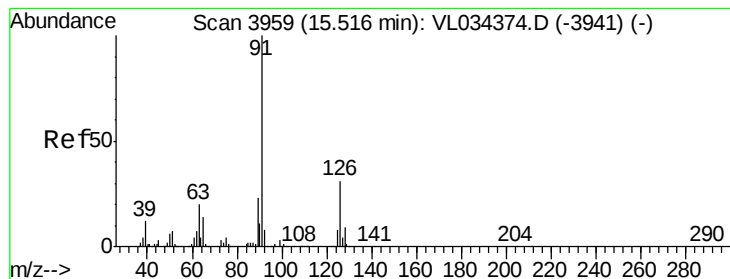


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.134 ppbv

RT: 15.53 min Scan# 3964

Delta R.T. 0.02 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

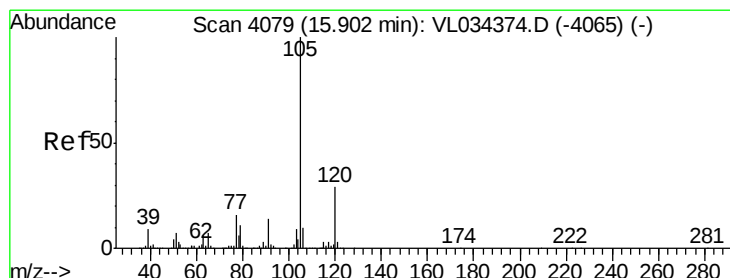
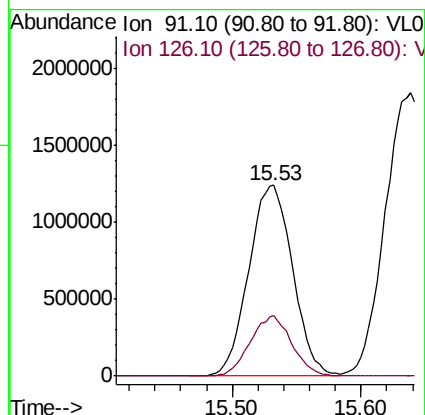
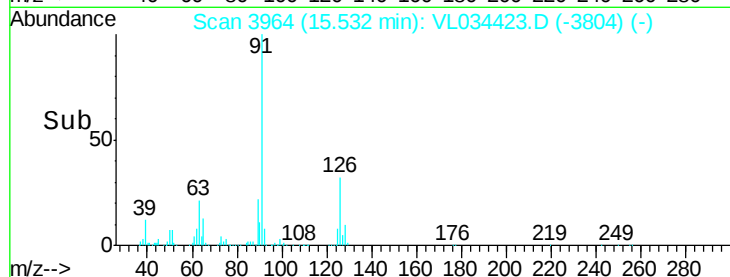
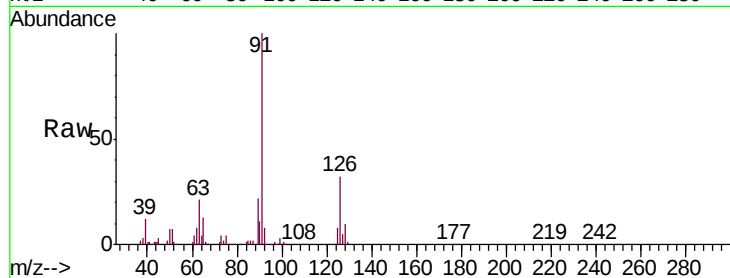
VL1202ABS01

Tgt Ion: 91 Resp: 2949895

Ion Ratio Lower Upper

91 100

126 29.9 11.8 47.4



#72

4-Ethyltoluene

Concen: 9.276 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. 0.02 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion: 105 Resp: 3282644

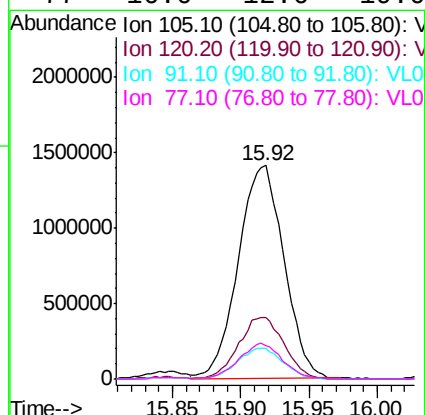
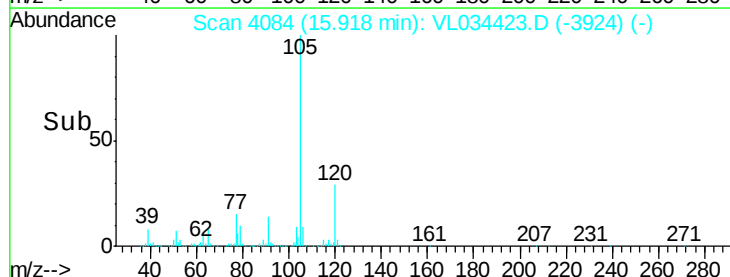
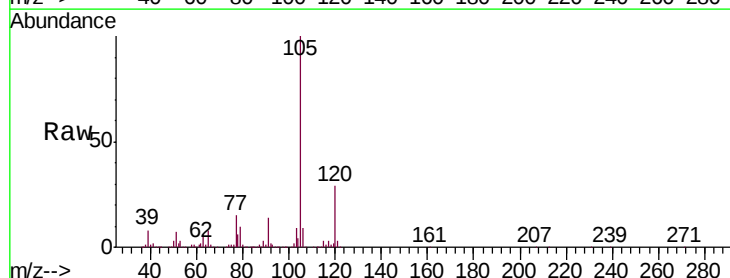
Ion Ratio Lower Upper

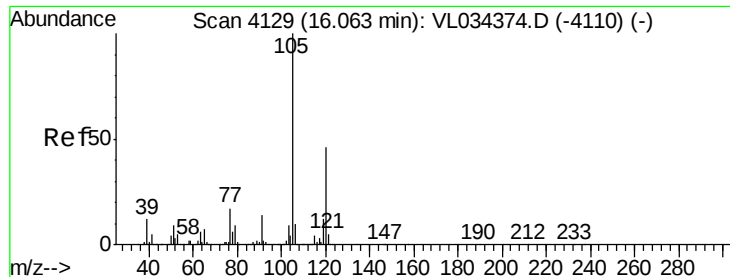
105 100

120 29.0 23.5 35.3

91 14.5 11.4 17.0

77 16.0 12.6 19.0





#73

1,3,5-Trimethylbenzene

Concen: 9.143 ppbv

RT: 16.07 min Scan# 4132

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

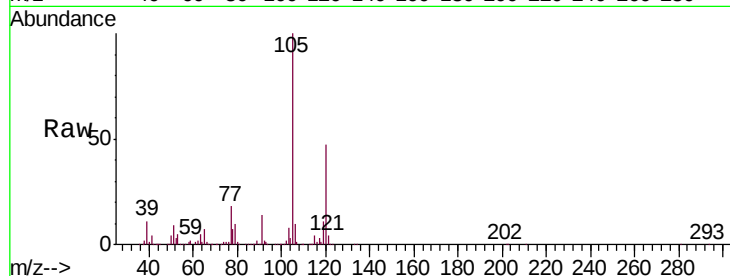
VL1202ABS01

Tgt Ion:105 Resp: 3166901

Ion Ratio Lower Upper

105 100

120 46.8 37.1 55.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

16.07

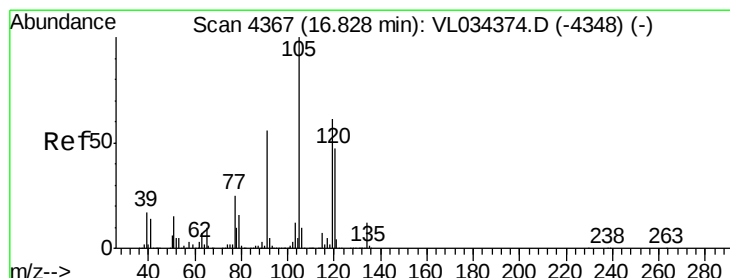
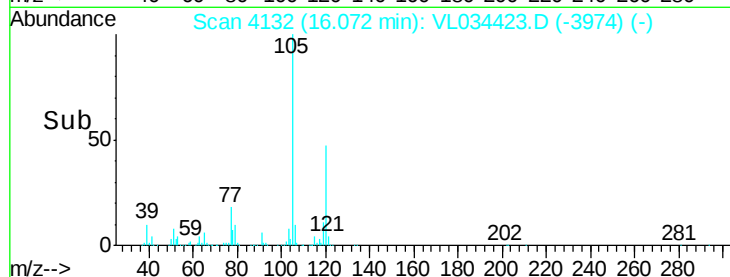
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.809 ppbv

RT: 16.84 min Scan# 4371

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Tgt Ion:105 Resp: 3241112

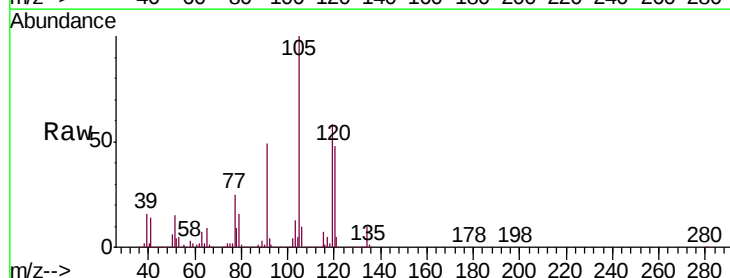
Ion Ratio Lower Upper

105 100

120 47.9 37.4 56.0

91 48.7 46.3 69.5

77 24.5 20.6 30.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2000000

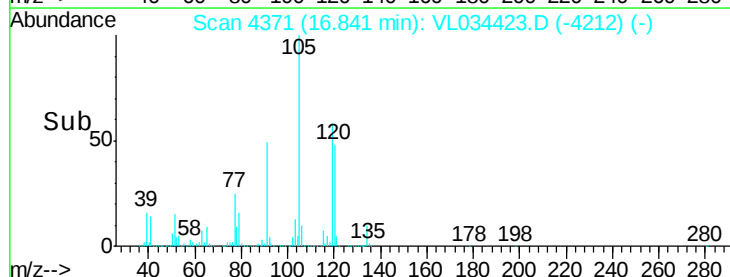
1500000

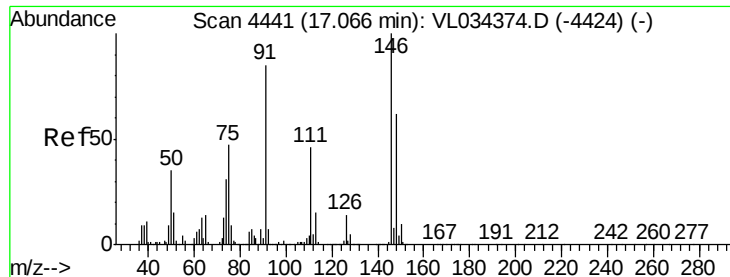
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 8.824 ppbv

RT: 17.08 min Scan# 4446

Delta R.T. 0.02 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

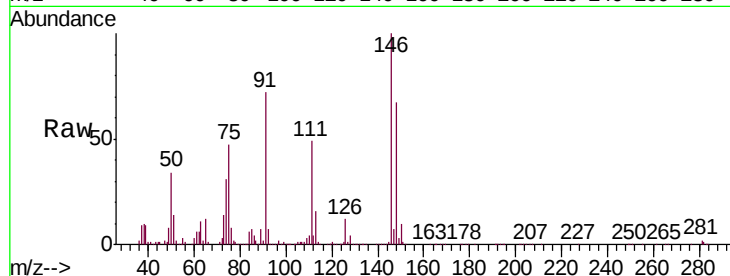
Tgt Ion:146 Resp: 1866274

Ion Ratio Lower Upper

146 100

111 49.0 24.4 73.4

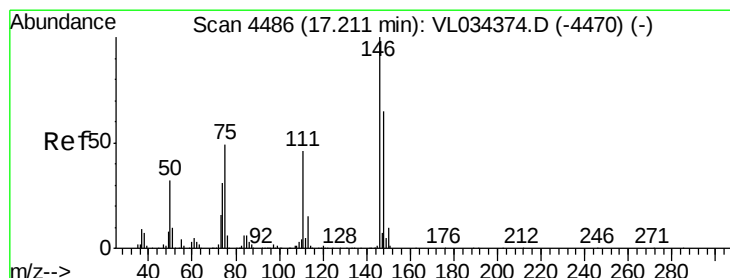
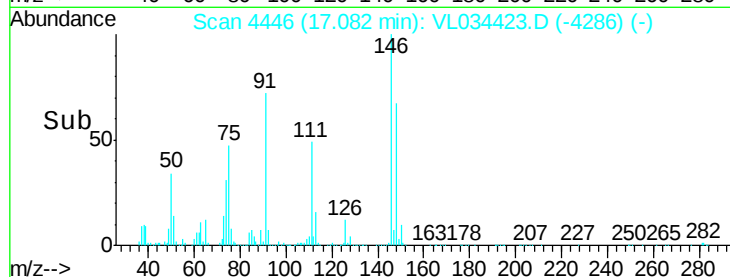
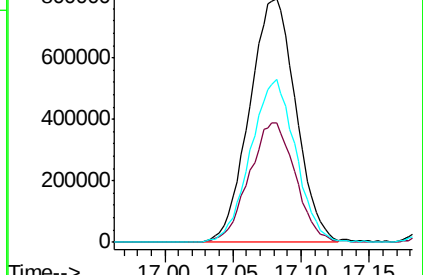
148 65.3 32.4 97.0



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: 9.217 ppbv

RT: 17.22 min Scan# 4490

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

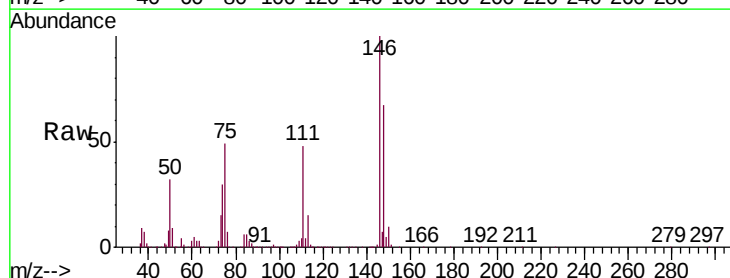
Tgt Ion:146 Resp: 1892876

Ion Ratio Lower Upper

146 100

111 47.3 24.1 72.3

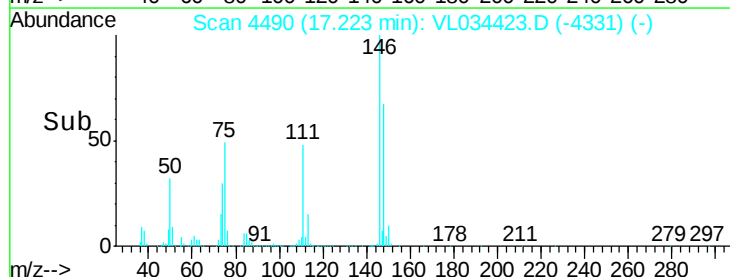
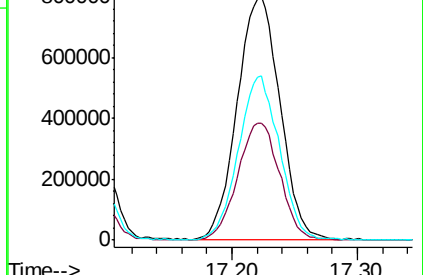
148 65.0 32.9 98.6

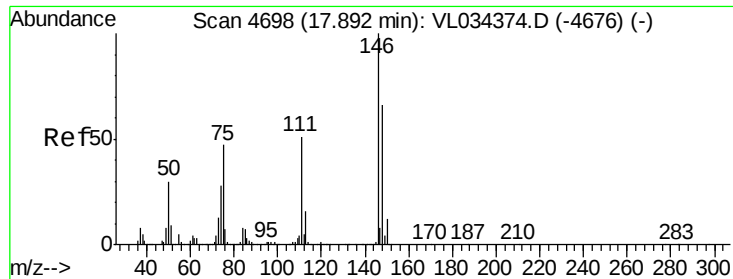


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

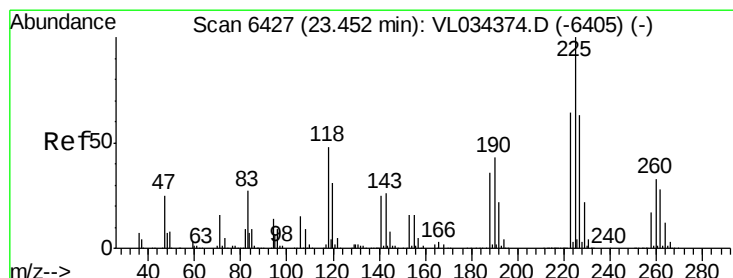
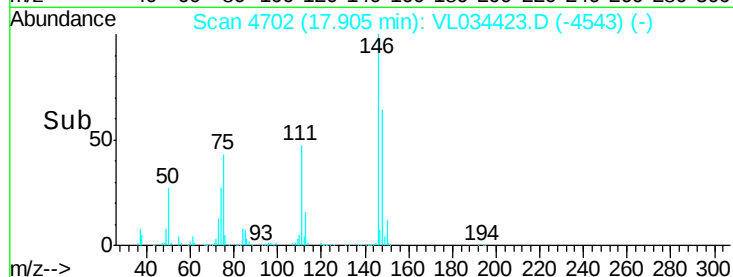
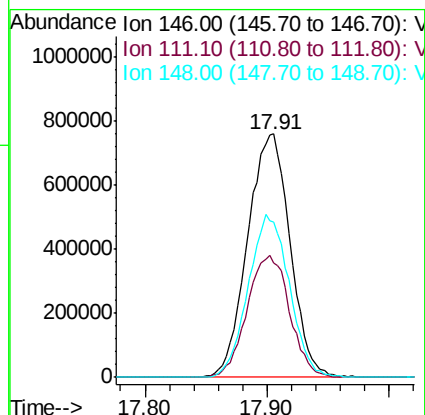
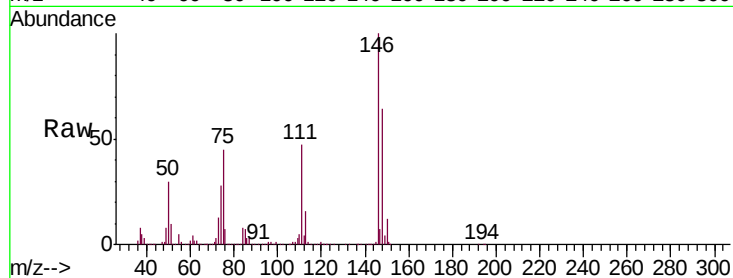




#77
 1,2-Dichlorobenzene
 Concen: 8.944 ppbv
 RT: 17.91 min Scan# 4702
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

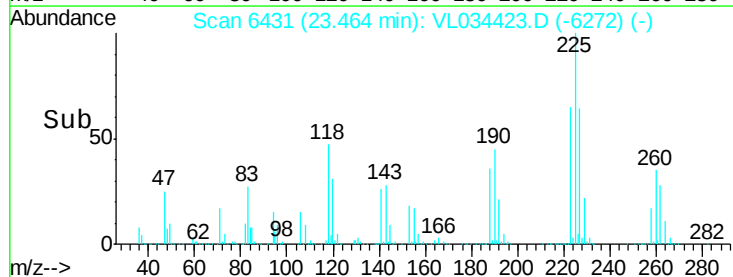
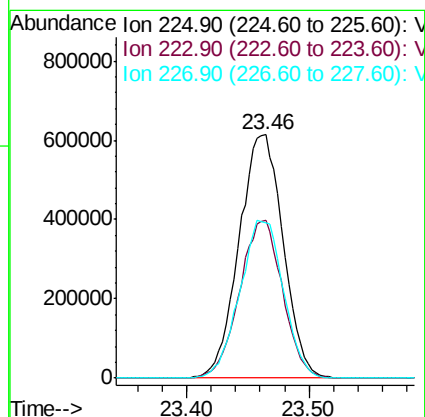
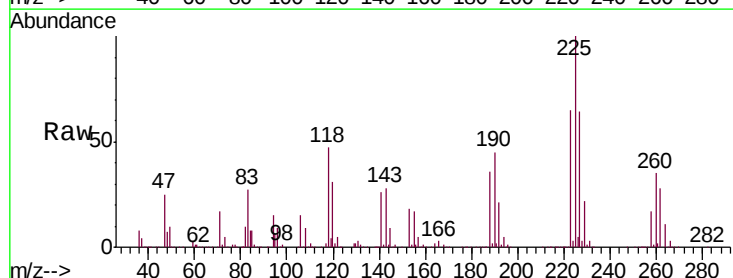
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1202ABS01

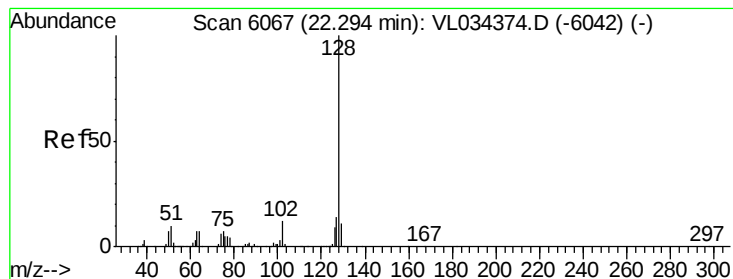
Tgt Ion:146 Resp: 1827043
 Ion Ratio Lower Upper
 146 100
 111 50.1 25.0 75.0
 148 65.0 32.7 98.1



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.709 ppbv
 RT: 23.46 min Scan# 6431
 Delta R.T. 0.01 min
 Lab File: VL034423.D
 Acq: 2 Dec 2019 12:23

Tgt Ion:225 Resp: 1528464
 Ion Ratio Lower Upper
 225 100
 223 63.4 50.2 75.2
 227 64.7 51.5 77.3





#79

Naphthalene

Concen: 8.992 ppbv

RT: 22.31 min Scan# 6072

Delta R.T. 0.02 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

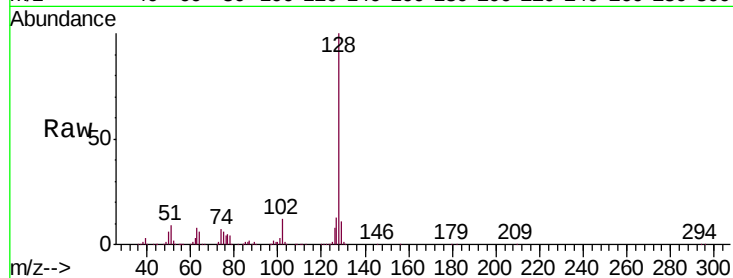
Tgt Ion:128 Resp: 2868093

Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.6

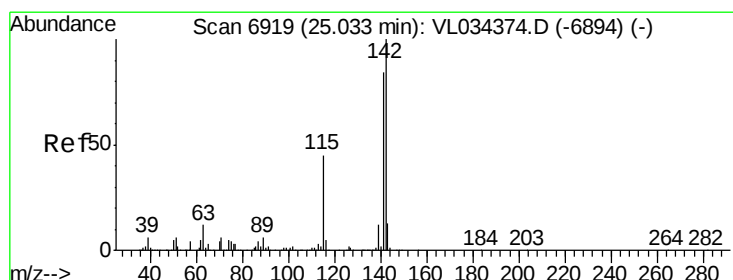
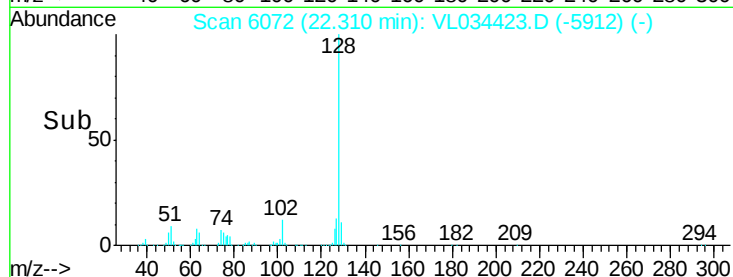
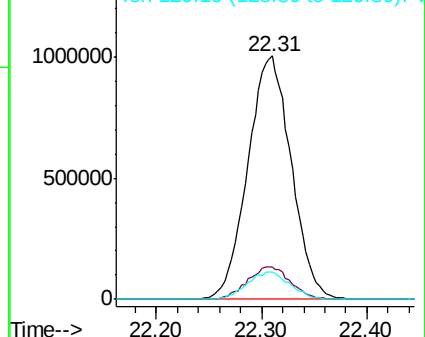
129 11.5 8.9 13.3



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: 10.946 ppbv

RT: 25.05 min Scan# 6923

Delta R.T. 0.01 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

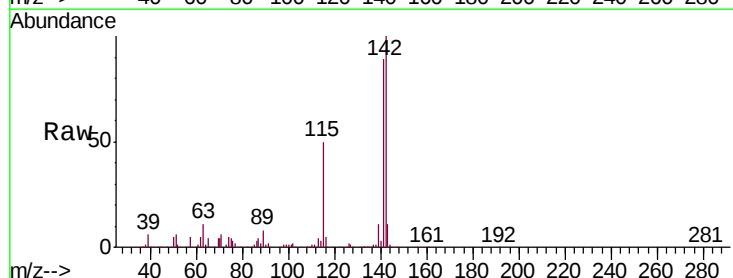
Tgt Ion:142 Resp: 1576627

Ion Ratio Lower Upper

142 100

141 86.6 67.1 100.7

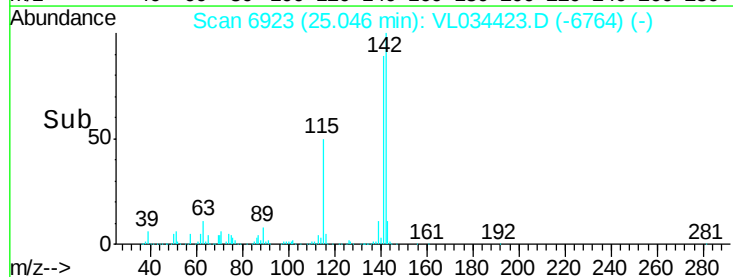
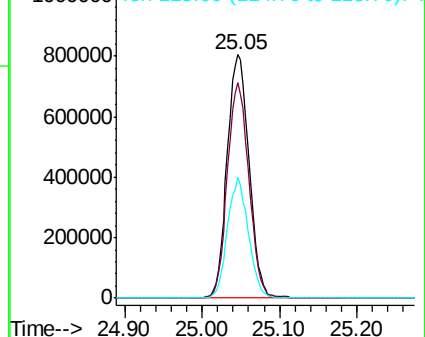
115 47.2 36.6 54.8

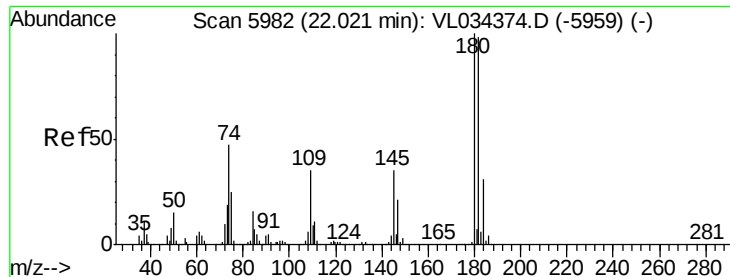


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 8.881 ppbv

RT: 22.04 min Scan# 5987

Delta R.T. 0.02 min

Lab File: VL034423.D

Acq: 2 Dec 2019 12:23

Instrument :

MSVOA_L

ClientSampleId :

VL1202ABS01

Tgt Ion:180 Resp: 1740252

Ion Ratio Lower Upper

180 100

182 96.3 76.8 115.2

184 31.8 24.9 37.3

