

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122320\
 Data File : VL036194.D
 Acq On : 23 Dec 2020 15:10
 Operator : SY/AP
 Sample : VL1223ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Quant Time: Dec 24 05:24:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1225721	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2495698	10.00	ppbv	-0.05
55) Chlorobenzene-d5	12.06	117	2943635	10.00	ppbv	-0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2094078	8.96	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.02	85	1397360	9.782	ppbv 99
3) Chlorodifluoromethane	2.96	51	1504679	10.759	ppbv 98
4) Chloromethane	3.12	50	693057	10.094	ppbv 98
5) Vinyl Chloride	3.23	62	675095	8.838	ppbv 99
6) Bromomethane	3.45	94	345624	8.769	ppbv 91
7) Chloroethane	3.53	64	235848	9.064	ppbv 93
8) Dichlorotetrafluoroethane	3.16	85	1632457	10.283	ppbv 88
9) Propene	2.99	41	646771	9.232	ppbv 100
10) Heptane	8.10	43	1696775	9.483	ppbv 99
11) Trichlorofluoromethane	3.92	101	1766906	10.521	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1100035	9.645	ppbv 92
13) Ethanol	3.58	45	41838	4.332	ppbv # 41
14) Bromoethene	3.72	108	435571	9.309	ppbv 96
15) Acetone	3.83	43	1404756	9.536	ppbv 98
16) 1,3-Butadiene	3.30	39	687609	9.268	ppbv 98
17) tert-Butyl alcohol	4.27	59	1334991	9.356	ppbv 98
18) 1,1-Dichloroethene	4.26	96	480302	9.485	ppbv 98
19) Isopropyl Alcohol	3.95	45	828485	9.201	ppbv # 100
20) Methylene Chloride	4.32	84	427605	7.083	ppbv 91
21) Allyl Chloride	4.39	41	876141	8.945	ppbv 88
22) trans-1,2-Dichloroethene	4.86	96	464536	9.162	ppbv 99
23) Vinyl Acetate	5.05	43	1858512	9.476	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1300536	9.428	ppbv 98
25) Ethyl Acetate	5.65	43	2922251	9.930	ppbv 99
26) Hexane	5.66	57	1182888	8.931	ppbv 99
27) Carbon Disulfide	4.52	76	1240433	9.423	ppbv 94
28) Methyl tert-Butyl Ether	5.01	73	1719847	9.133	ppbv 98
29) Chloroform	5.73	83	1840201	10.580	ppbv 98
30) Cyclohexane	7.10	84	922928	9.486	ppbv 96
31) cis-1,2-Dichloroethene	5.52	61	1232901	10.240	ppbv 92
32) 1,1,1-Trichloroethane	6.49	97	1822773	10.156	ppbv 97
34) 2-Butanone	5.22	43	1795223	10.844	ppbv 98
35) Carbon Tetrachloride	6.99	117	1732309	11.903	ppbv 99
36) Benzene	6.87	78	2316716	10.953	ppbv 97
37) 1,2-Dichloroethane	6.28	62	1611242	13.147	ppbv # 96
38) Trichloroethene	7.81	130	718359	9.086	ppbv 91
39) 1,2-Dichloropropane	7.59	63	969671	11.609	ppbv 91
40) 1,4-Dioxane	7.81	88	274790	10.460	ppbv # 48
41) Tetrahydrofuran	6.02	42	1048043	10.657	ppbv 98
42) Bromodichloromethane	7.77	83	2032123	12.443	ppbv 99
43) Methyl Methacrylate	7.99	69	1055919	11.637	ppbv 96

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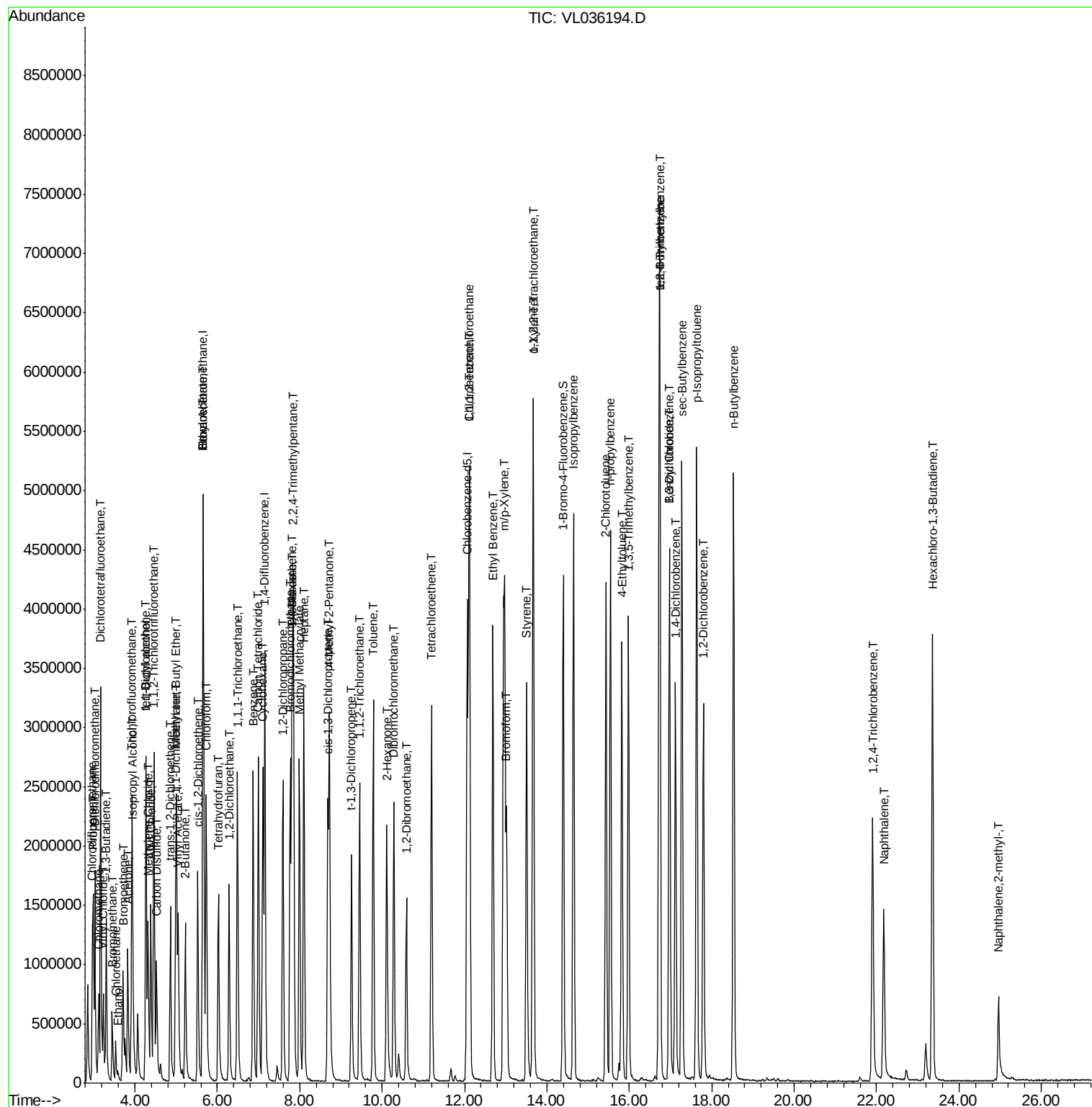
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4143190	10.817	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	1168038	12.530	ppbv	96
46) cis-1,3-Dichloropropene	8.68	75	1384044	11.846	ppbv	95
47) 1,1,2-Trichloroethane	9.45	97	889839	11.073	ppbv	97
48) Dibromochloromethane	10.28	129	1415085	11.661	ppbv	99
49) Bromoform	13.02	173	1134401	11.877	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2799072	11.338	ppbv	100
51) 2-Hexanone	10.11	43	2337123	12.111	ppbv	96
52) Tetrachloroethene	11.20	164	673490	8.796	ppbv	92
53) Toluene	9.78	91	2538907	10.690	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1339261	11.118	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.11	131	1057933	8.668	ppbv	95
57) Chlorobenzene	12.13	112	1730637	8.375	ppbv	94
58) Ethyl Benzene	12.69	91	3542756	8.782	ppbv	98
59) m/p-Xylene	12.97	91	3219628	9.476	ppbv #	48
60) o-Xylene	13.67	91	2806510	8.767	ppbv	95
61) Styrene	13.51	104	1890892	9.200	ppbv	95
62) Isopropylbenzene	14.65	105	4031909	8.497	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	1938775	8.993	ppbv	99
64) n-propylbenzene	15.54	120	969268	8.490	ppbv	82
65) tert-Butylbenzene	16.73	119	3347078	8.618	ppbv	90
66) Benzyl Chloride	16.97	91	1121684	11.598	ppbv	94
67) sec-Butylbenzene	17.28	105	4886834	8.990	ppbv	96
69) p-Isopropyltoluene	17.64	119	3831951	8.863	ppbv	95
70) n-Butylbenzene	18.53	91	4367642	10.220	ppbv	98
71) 2-Chlorotoluene	15.43	91	3313636	9.238	ppbv	94
72) 4-Ethyltoluene	15.82	105	3052854	8.804	ppbv	97
73) 1,3,5-Trimethylbenzene	15.98	105	2974712	8.982	ppbv	94
74) 1,2,4-Trimethylbenzene	16.74	105	3005097	9.039	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	1475457	8.866	ppbv	97
76) 1,4-Dichlorobenzene	17.12	146	1423457	8.401	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	1422383	8.952	ppbv	97
78) Hexachloro-1,3-Butadiene	23.36	225	492624	3.868	ppbv #	31
79) Naphthalene	22.18	128	1760546	10.418	ppbv	98
80) Naphthalene, 2-methyl-	24.96	142	558452	14.778	ppbv	95
81) 1,2,4-Trichlorobenzene	21.91	180	886117	7.848	ppbv #	100

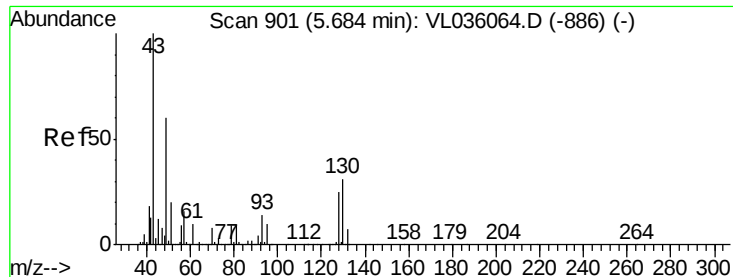
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

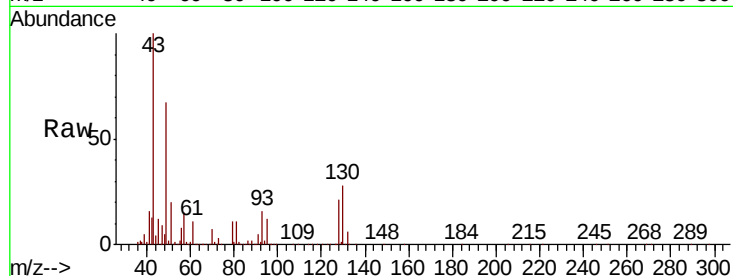
Tot Ion: 49 Resp: 1225721

Ion Ratio Lower Upper

49 100

128 36.0 21.1 63.1

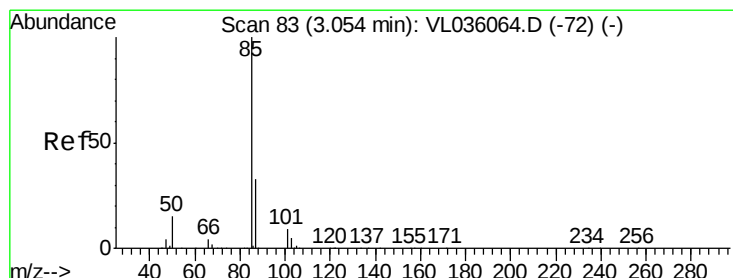
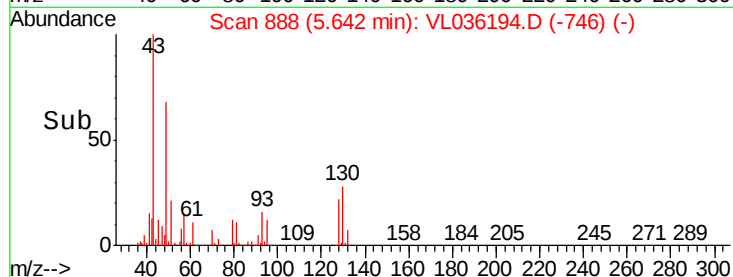
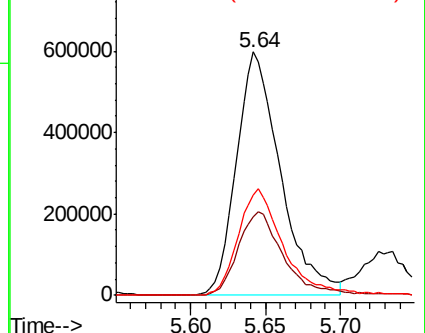
130 45.4 27.1 81.3



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: 9.782 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.03 min

Lab File: VL036194.D

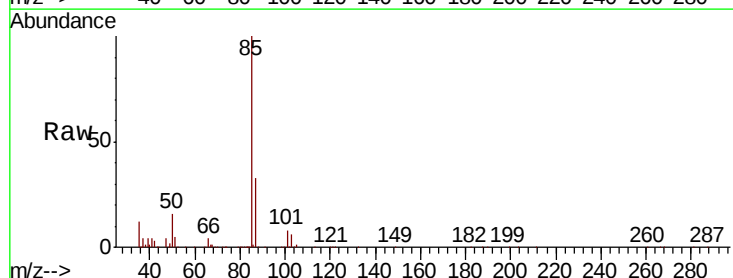
Acq: 23 Dec 2020 15:10

Tgt Ion: 85 Resp: 1397360

Ion Ratio Lower Upper

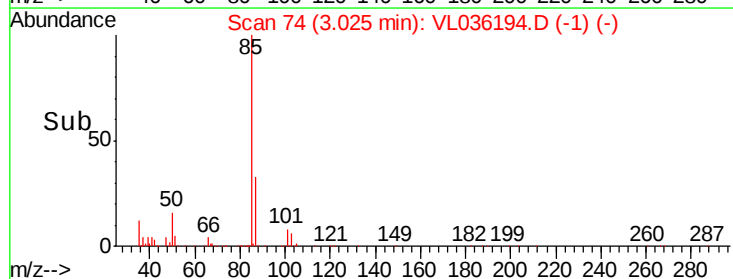
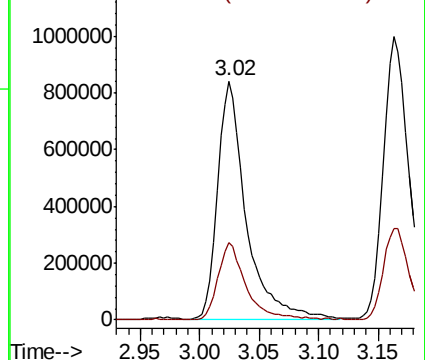
85 100

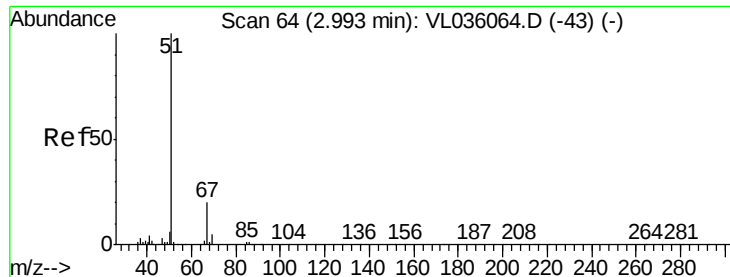
87 32.5 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.759 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

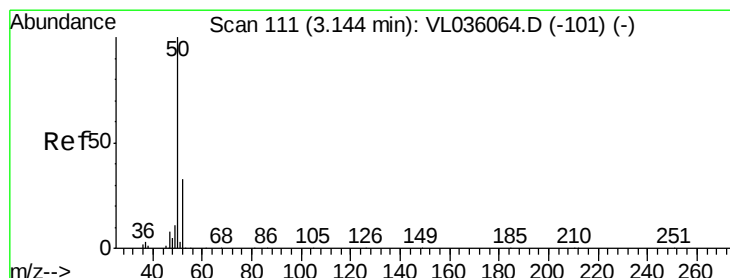
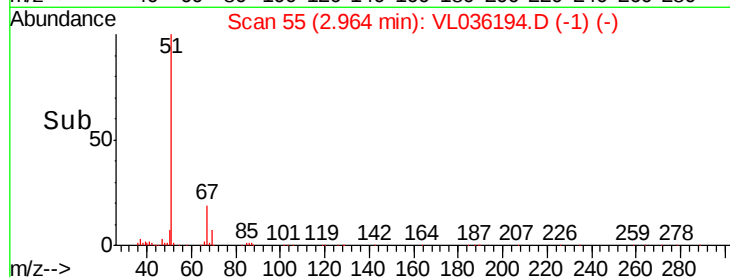
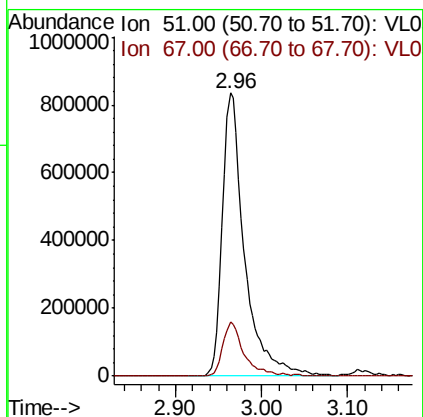
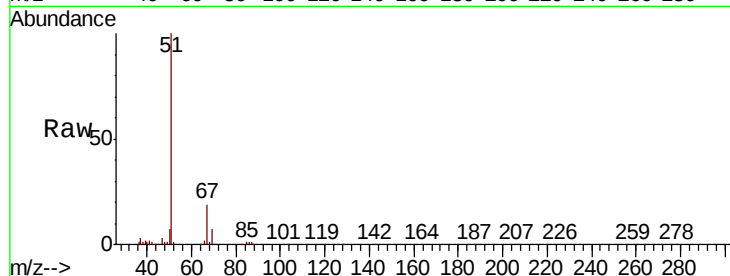
VL1223ABS01

Tot Ion: 51 Resp: 1504679

Ion Ratio Lower Upper

51 100

67 18.7 14.3 21.5



#4

Chloromethane

Concen: 10.094 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL036194.D

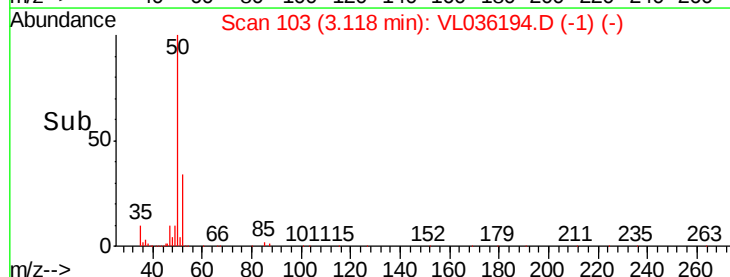
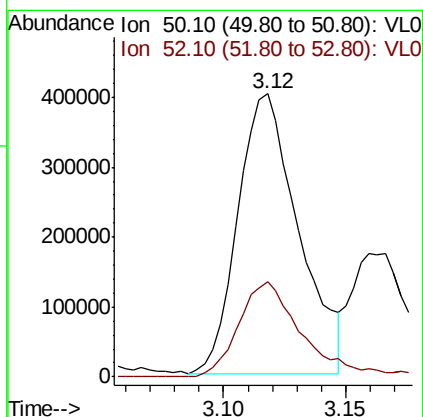
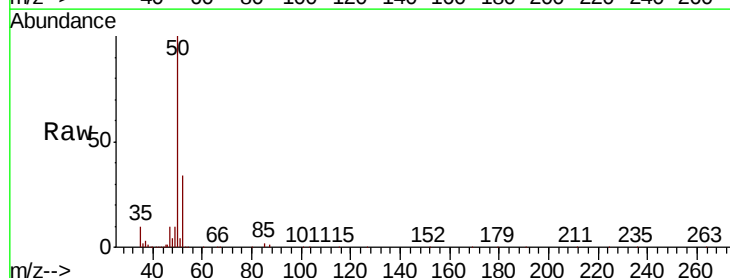
Acq: 23 Dec 2020 15:10

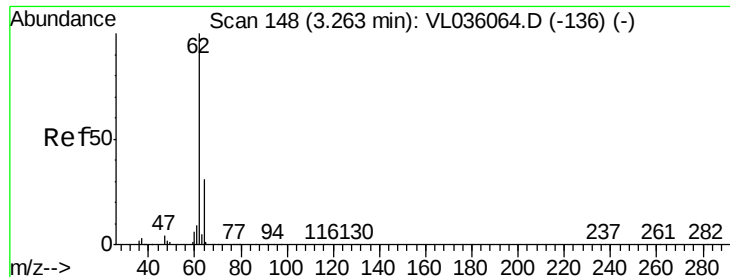
Tgt Ion: 50 Resp: 693057

Ion Ratio Lower Upper

50 100

52 34.0 26.1 39.1





#5

Vinyl Chloride

Concen: 8.838 ppbv

RT: 3.23 min Scan# 138

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

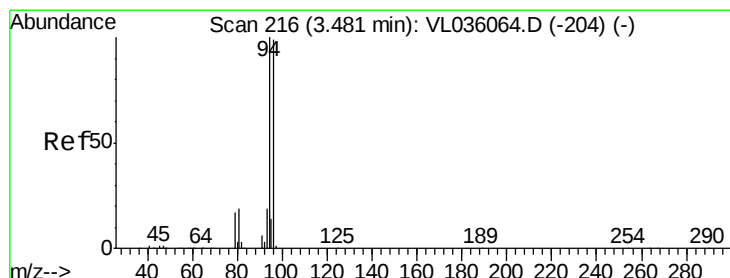
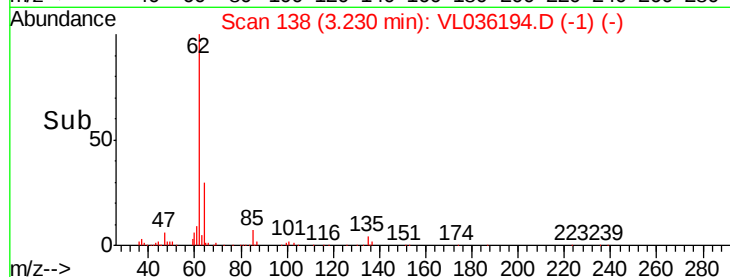
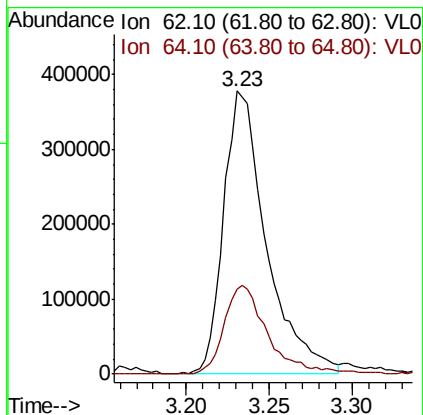
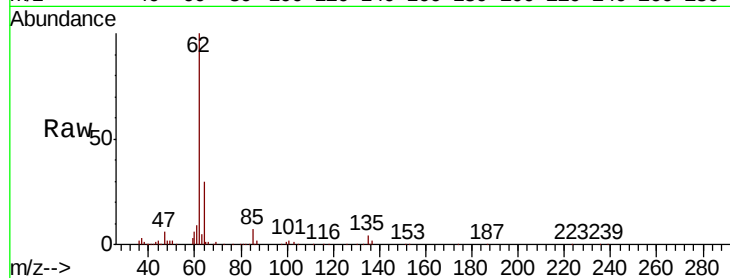
VL1223ABS01

Tot Ion: 62 Resp: 675095

Ion Ratio Lower Upper

62 100

64 29.9 24.5 36.7



#6

Bromomethane

Concen: 8.769 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.03 min

Lab File: VL036194.D

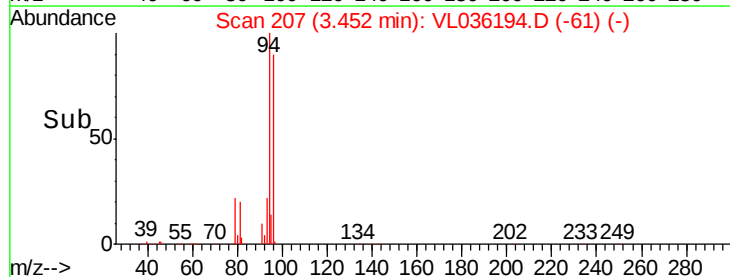
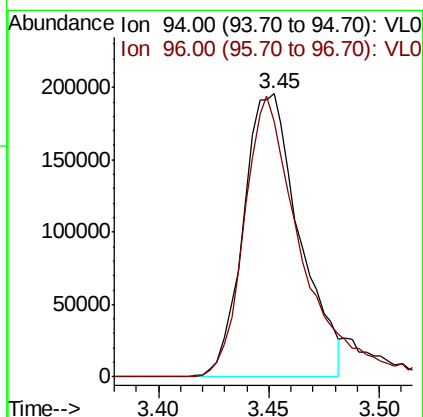
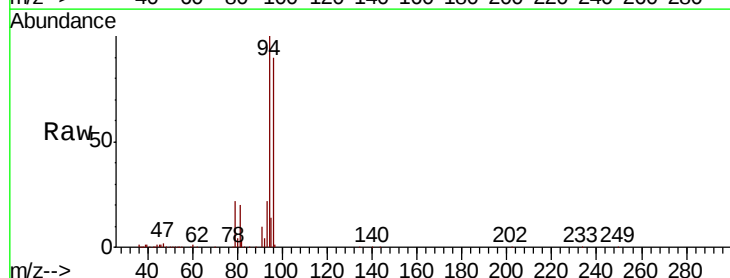
Acq: 23 Dec 2020 15:10

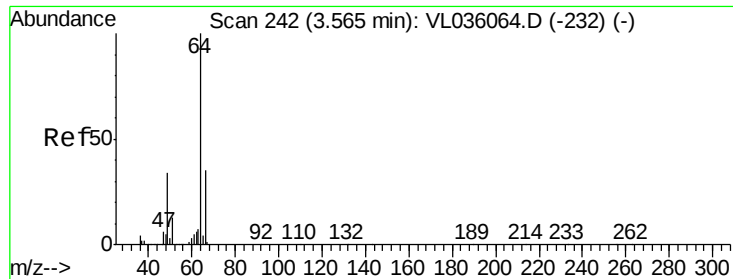
Tgt Ion: 94 Resp: 345624

Ion Ratio Lower Upper

94 100

96 90.2 79.4 119.0





#7

Chloroethane

Concen: 9.064 ppbv

RT: 3.53 min Scan# 232

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

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MSVOA_L

ClientSampleId :

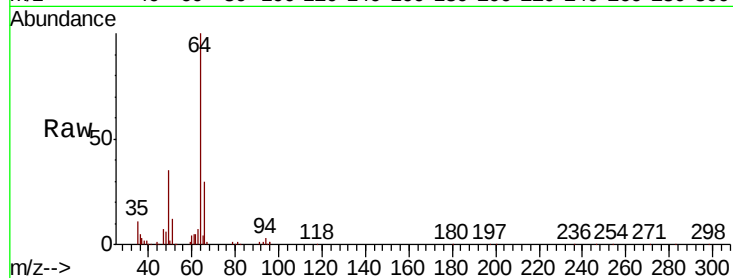
VL1223ABS01

Tot Ion: 64 Resp: 235848

Ion Ratio Lower Upper

64 100

66 30.3 27.7 41.5



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.53

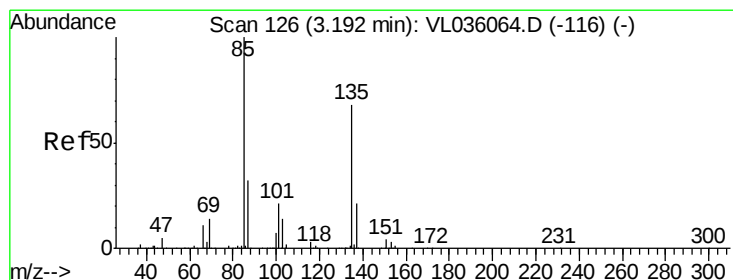
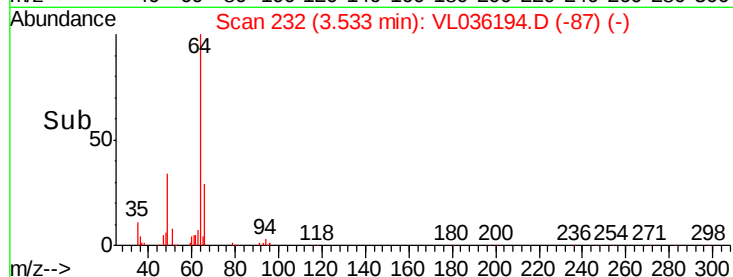
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100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.283 ppbv

RT: 3.16 min Scan# 117

Delta R.T. -0.03 min

Lab File: VL036194.D

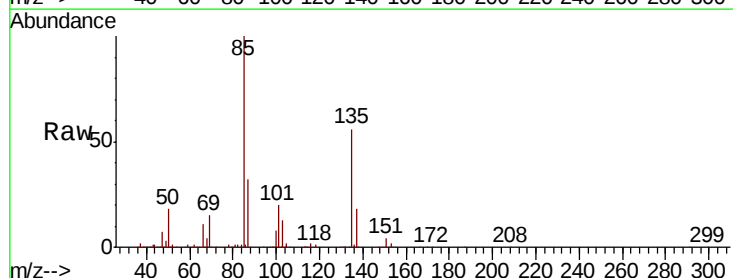
Acq: 23 Dec 2020 15:10

Tgt Ion: 85 Resp: 1632457

Ion Ratio Lower Upper

85 100

135 57.7 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.16

1000000

800000

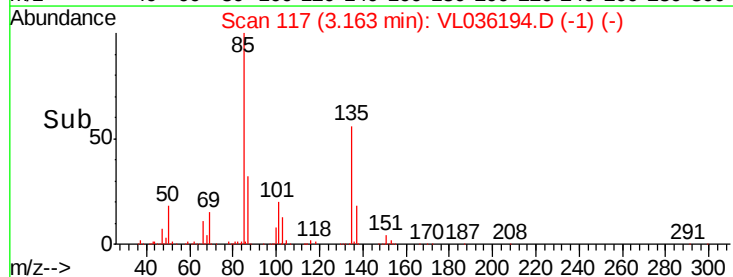
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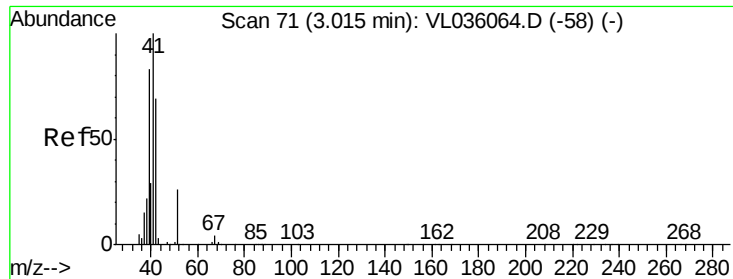
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Time-->





#9

Propene

Concen: 9.232 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

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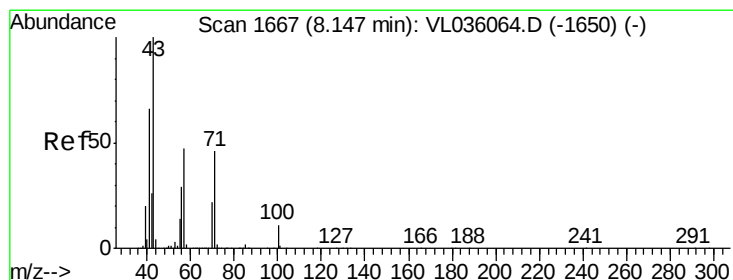
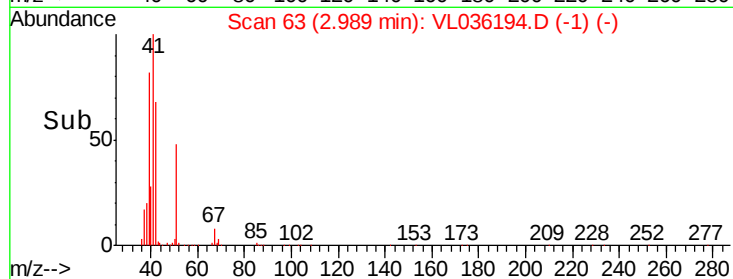
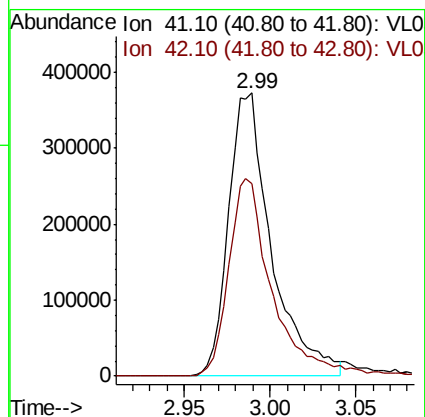
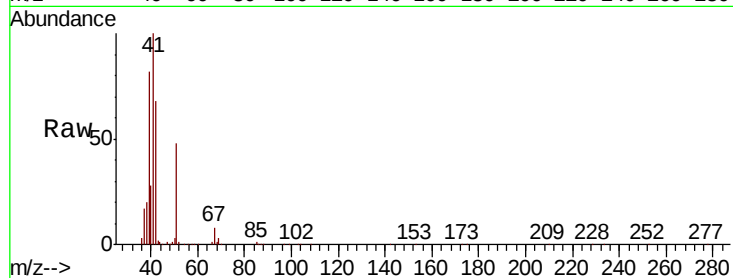
VL1223ABS01

Tot Ion: 41 Resp: 646771

Ion Ratio Lower Upper

41 100

42 71.5 57.0 85.6



#10

Heptane

Concen: 9.483 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.05 min

Lab File: VL036194.D

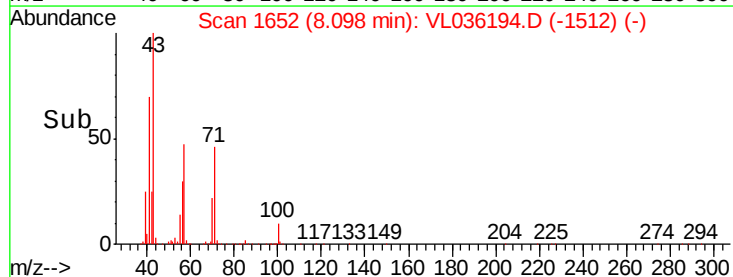
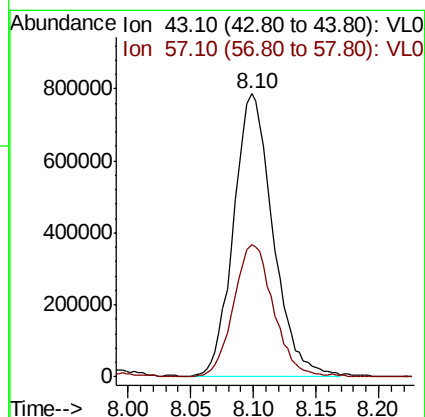
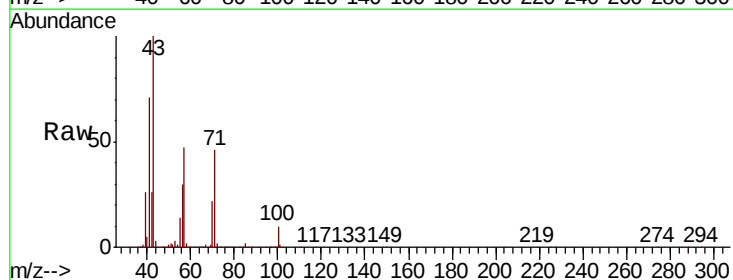
Acq: 23 Dec 2020 15:10

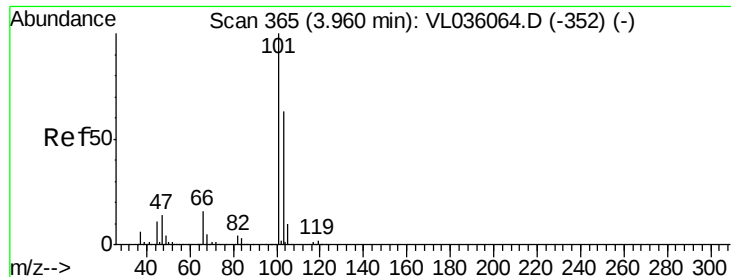
Tgt Ion: 43 Resp: 1696775

Ion Ratio Lower Upper

43 100

57 48.3 37.9 56.9

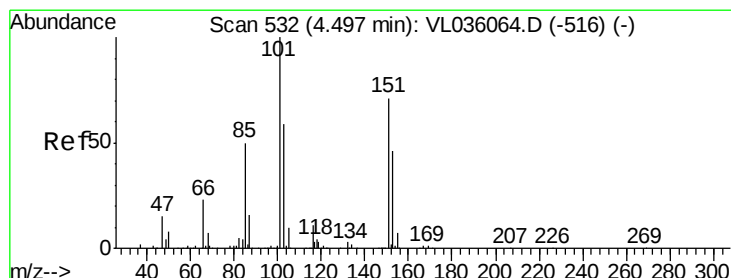
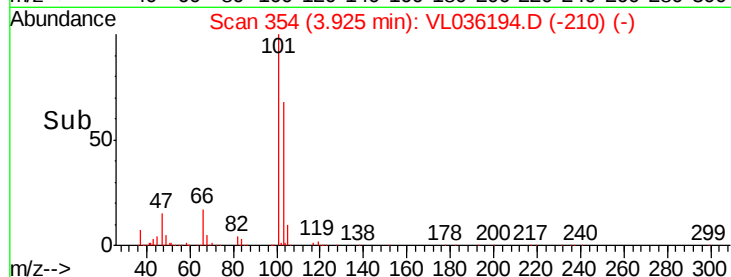
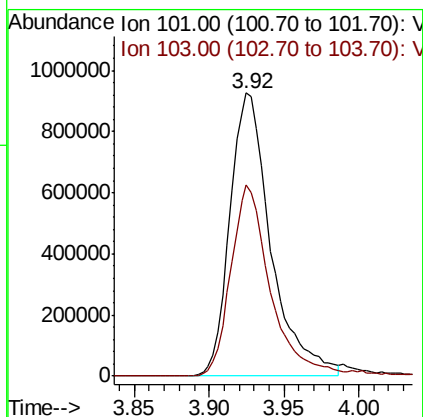
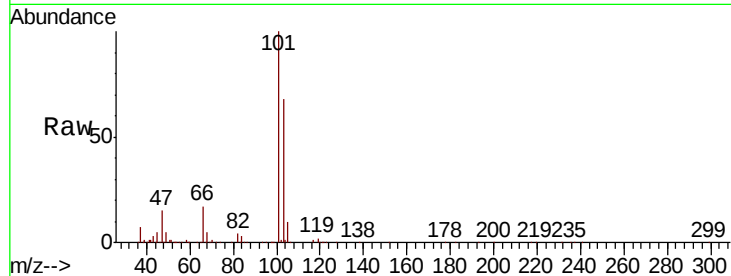




#11
 Trichlorofluoromethane
 Concen: 10.521 ppbv
 RT: 3.92 min Scan# 354
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

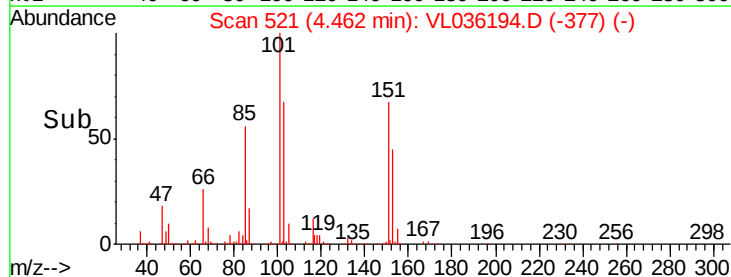
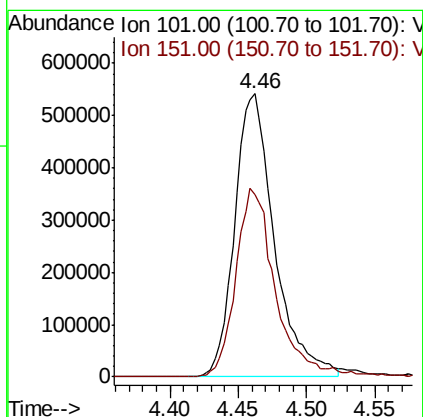
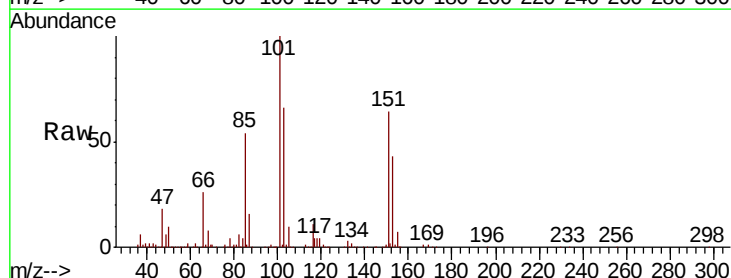
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

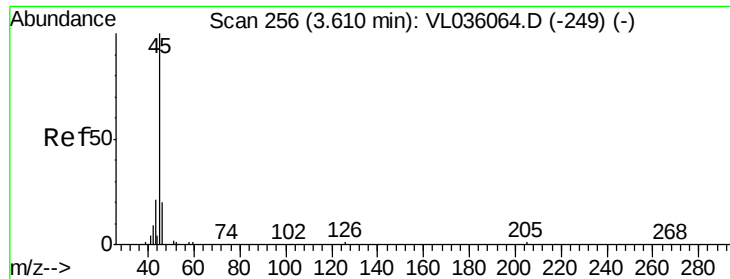
Tot Ion:101 Resp: 1766906
 Ion Ratio Lower Upper
 101 100
 103 67.5 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.645 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion:101 Resp: 1100035
 Ion Ratio Lower Upper
 101 100
 151 67.0 59.3 88.9





#13

Ethanol

Concen: 4.332 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

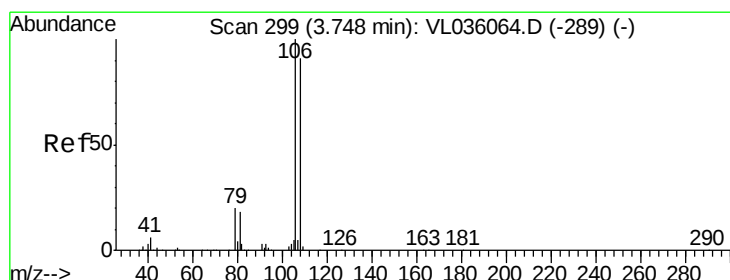
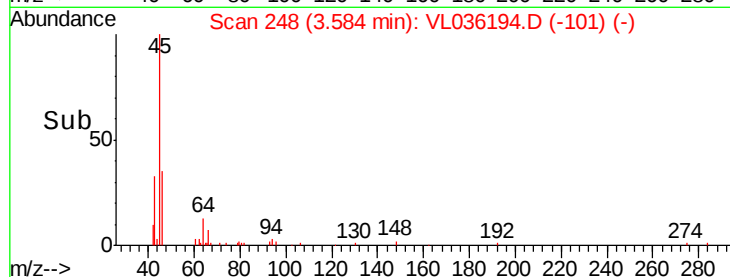
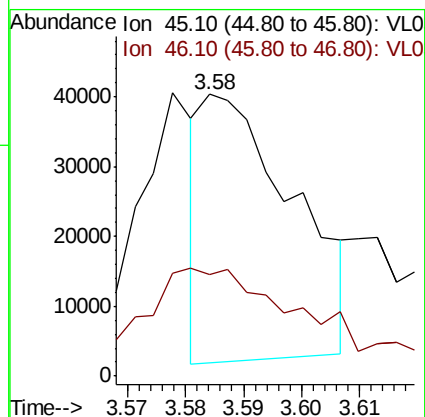
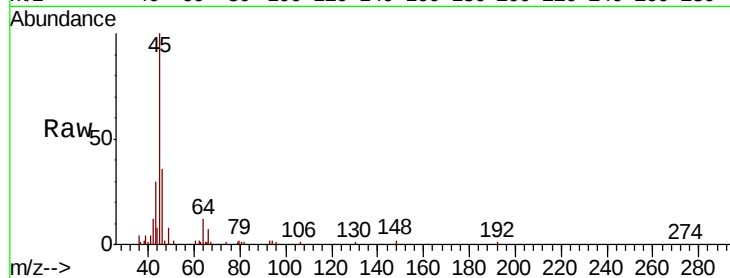
VL1223ABS01

Tot Ion: 45 Resp: 41838

Ion Ratio Lower Upper

45 100

46 87.1 19.0 75.8#



#14

Bromoethene

Concen: 9.309 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

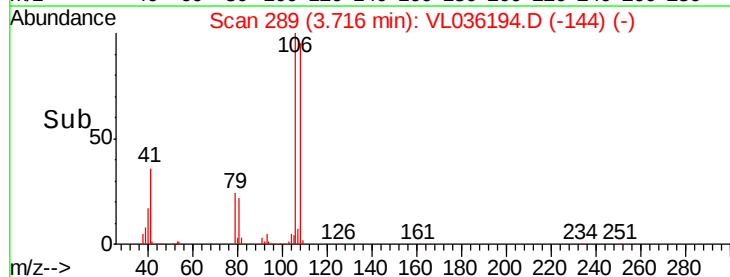
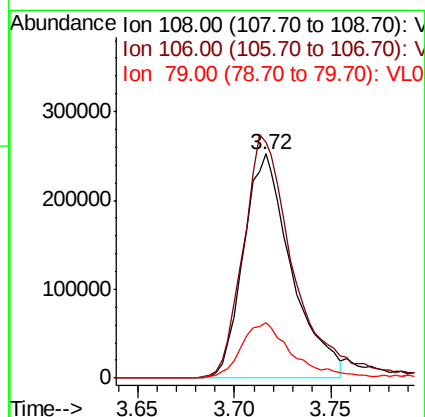
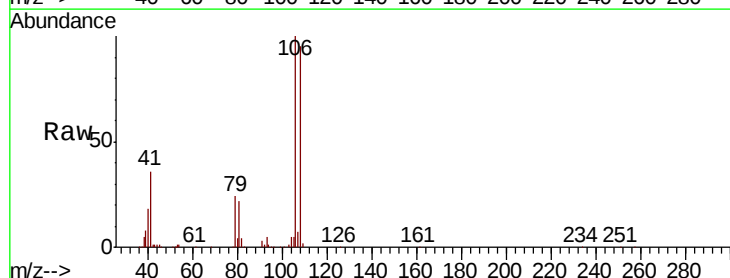
Tgt Ion: 108 Resp: 435571

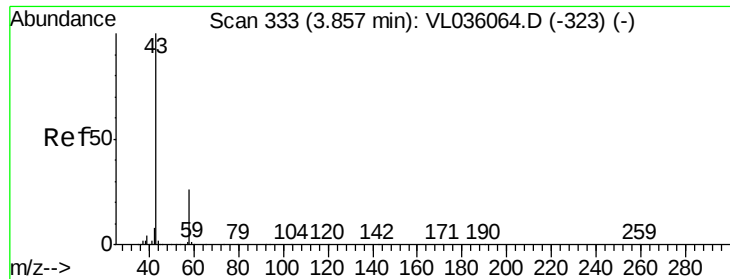
Ion Ratio Lower Upper

108 100

106 117.2 91.0 136.4

79 27.4 19.3 28.9





#15

Acetone

Concen: 9.536 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.03 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

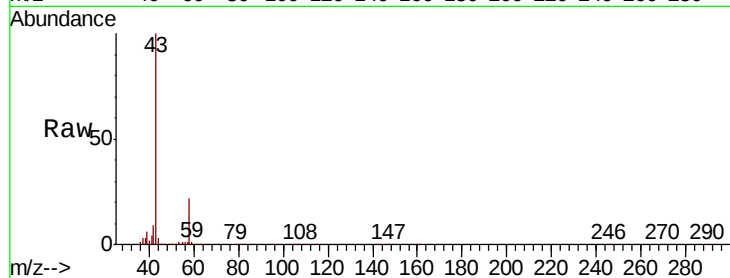
VL1223ABS01

Tot Ion: 43 Resp: 1404756

Ion Ratio Lower Upper

43 100

58 24.9 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

800000

600000

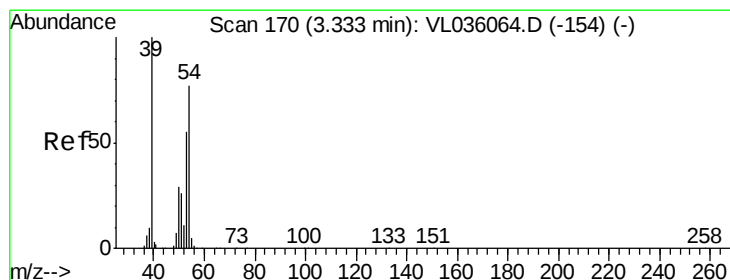
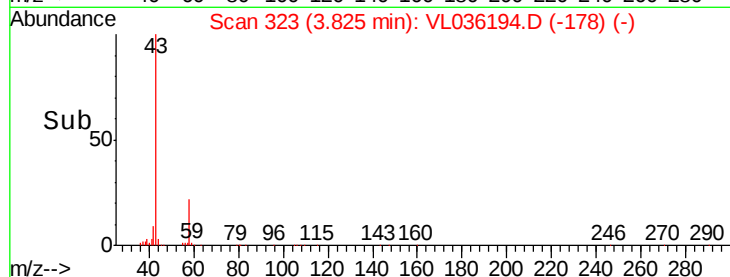
400000

200000

0

3.75 3.80 3.85 3.90

Time-->



#16

1,3-Butadiene

Concen: 9.268 ppbv

RT: 3.30 min Scan# 160

Delta R.T. -0.03 min

Lab File: VL036194.D

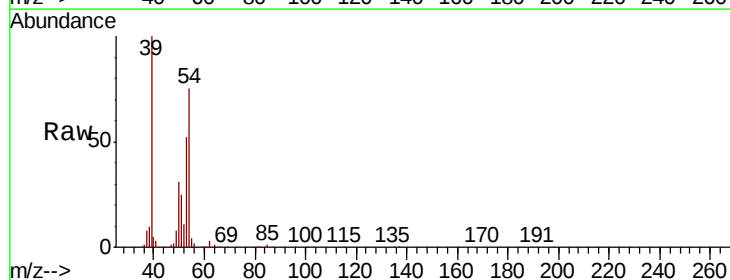
Acq: 23 Dec 2020 15:10

Tgt Ion: 39 Resp: 687609

Ion Ratio Lower Upper

39 100

54 78.9 62.1 93.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.30

400000

300000

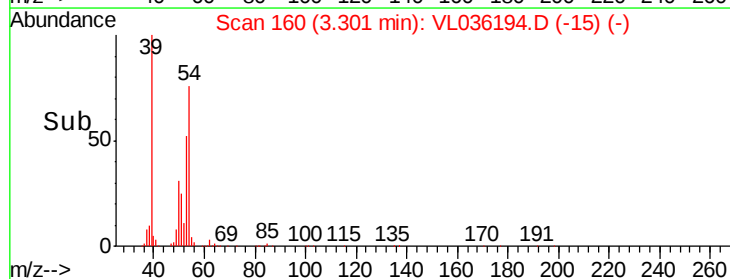
200000

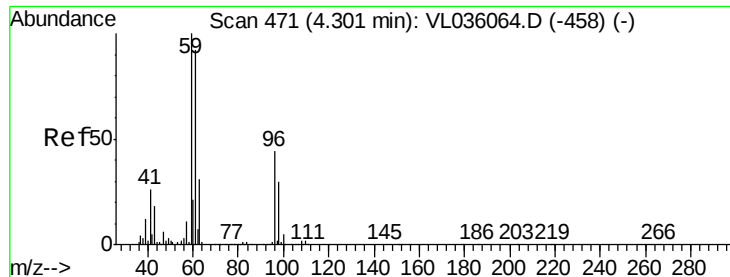
100000

0

3.25 3.30 3.35

Time-->





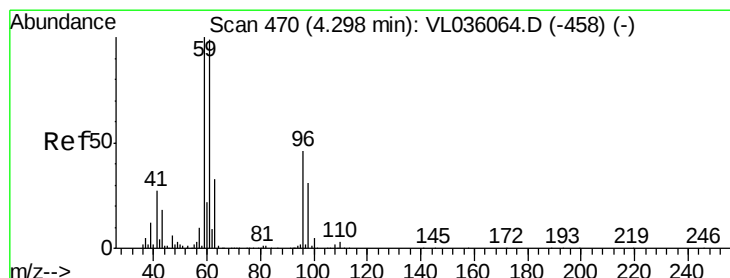
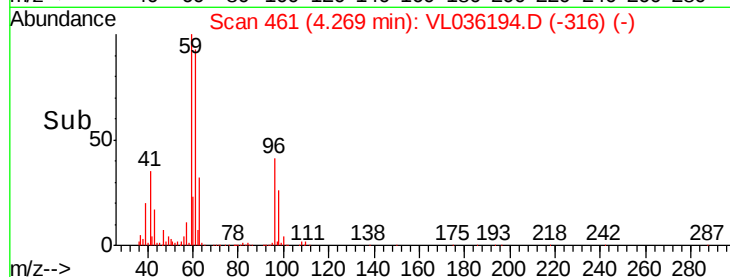
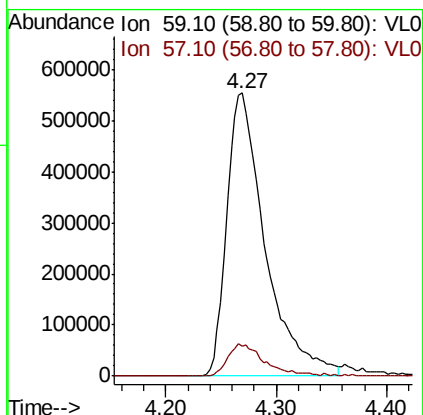
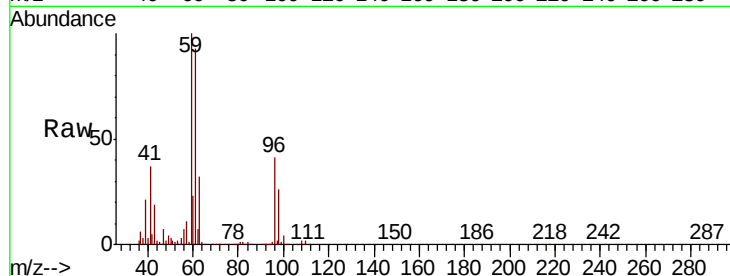
#17

tert-Butyl alcohol
Concen: 9.356 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.03 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion: 59 Resp: 1334991

Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.7	13.1

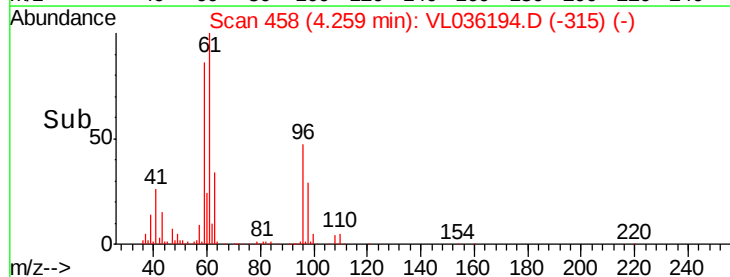
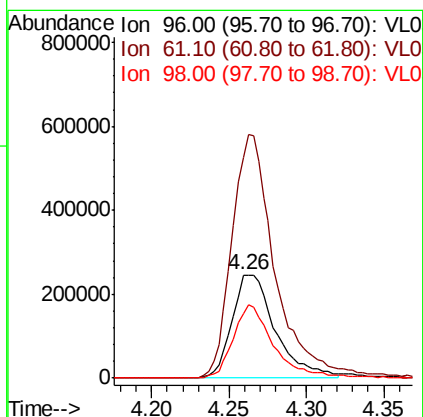
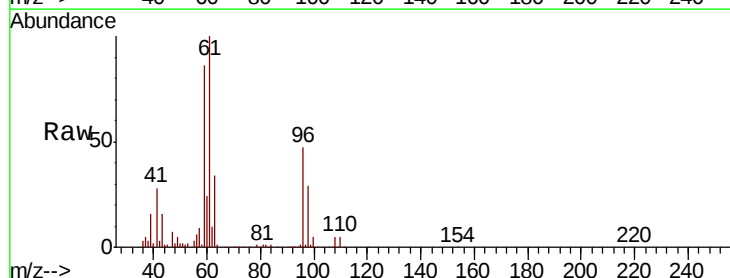


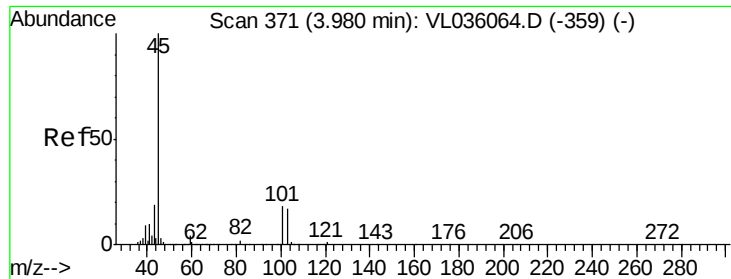
#18

1,1-Dichloroethene
Concen: 9.485 ppbv
RT: 4.26 min Scan# 458
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 96 Resp: 480302

Ion	Ratio	Lower	Upper
96	100		
61	214.4	171.4	257.2
98	62.0	54.2	81.2



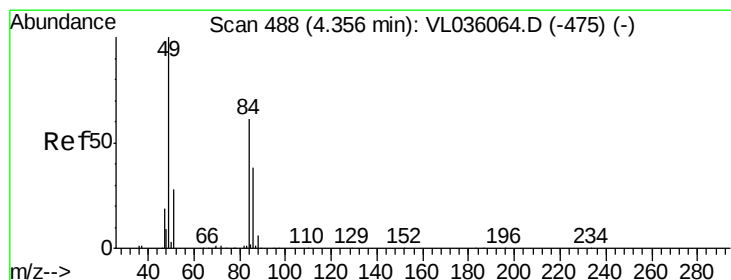
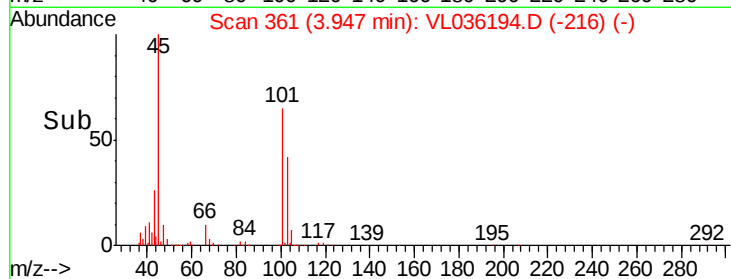
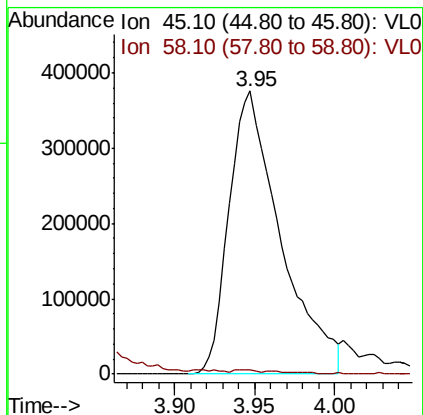
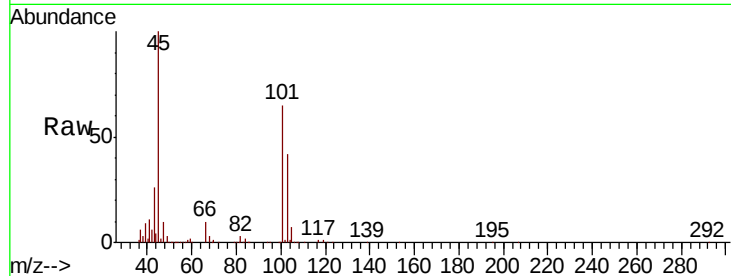


#19

Isopropyl Alcohol
 Concen: 9.201 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. -0.03 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

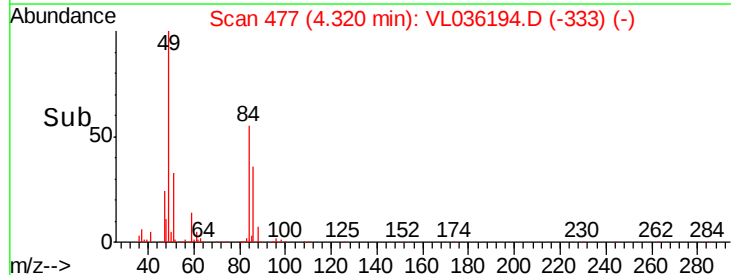
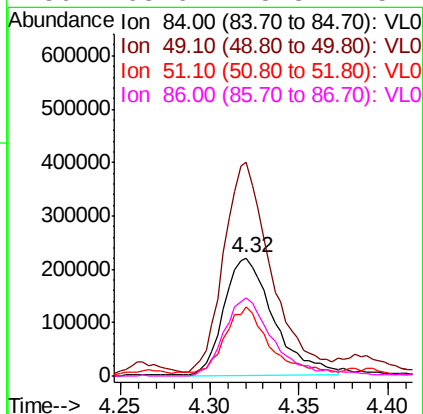
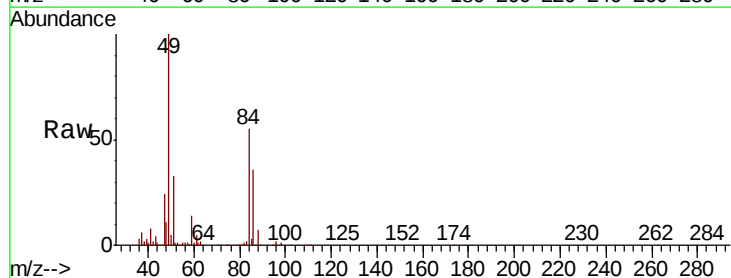
Tot Ion: 45 Resp: 828485
 Ion Ratio Lower Upper
 45 100
 58 1.8 0.0 0.0#

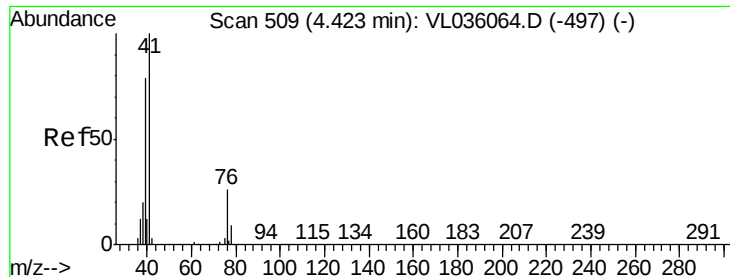


#20

Methylene Chloride
 Concen: 7.083 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion: 84 Resp: 427605
 Ion Ratio Lower Upper
 84 100
 49 178.3 133.0 199.4
 51 56.2 38.9 58.3
 86 65.6 48.8 73.2

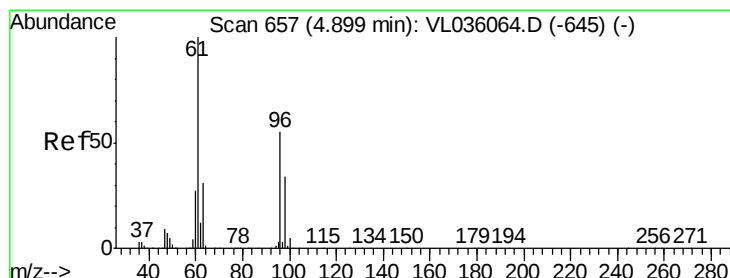
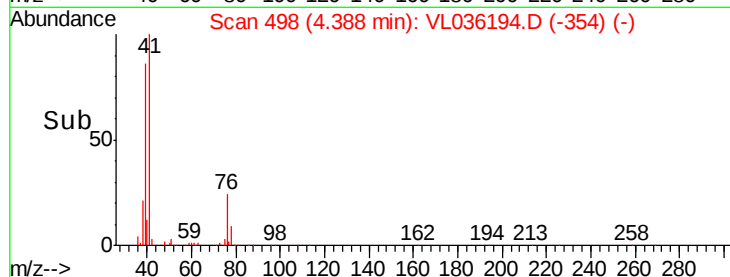
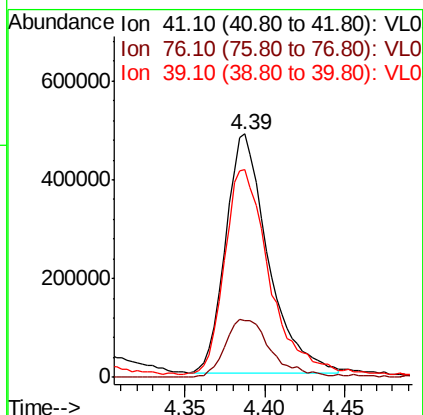
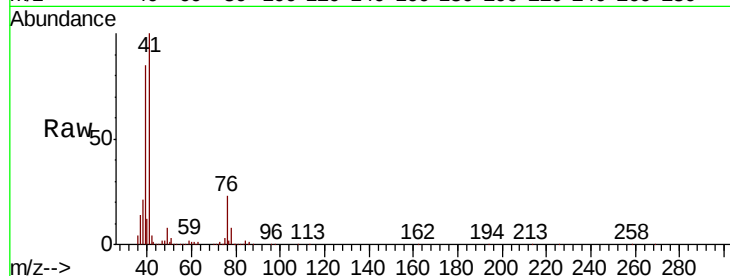




#21
Allvl Chloride
Concen: 8.945 ppbv
RT: 4.39 min Scan# 498
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

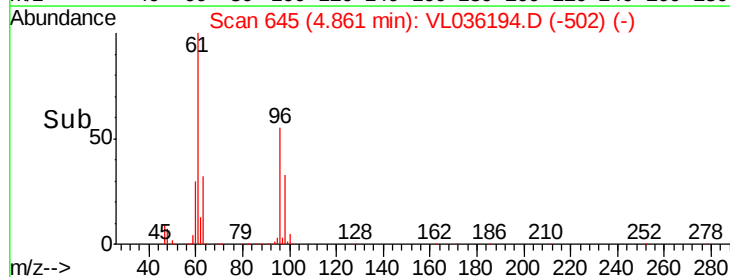
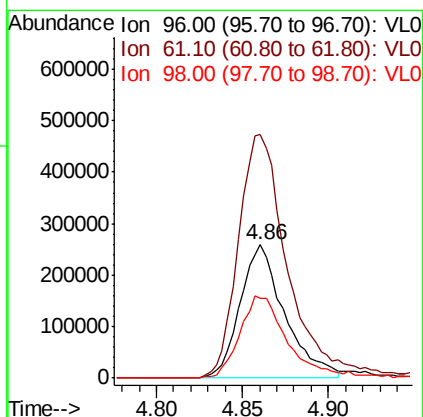
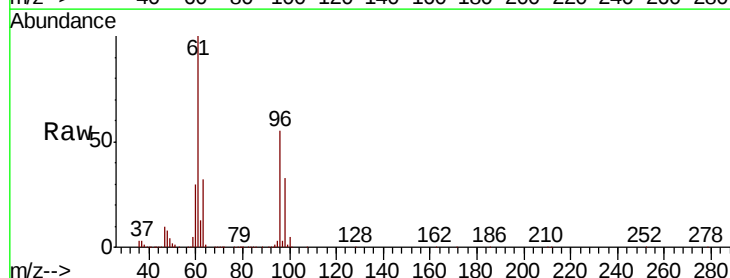
Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

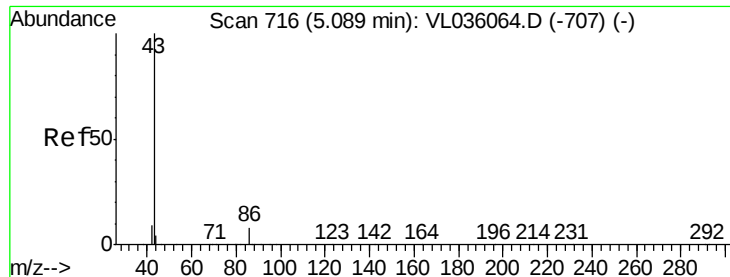
Tot Ion: 41 Resp: 876141
Ion Ratio Lower Upper
41 100
76 27.1 21.0 31.4
39 96.0 66.0 99.0



#22
trans-1,2-Dichloroethene
Concen: 9.162 ppbv
RT: 4.86 min Scan# 645
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 96 Resp: 464536
Ion Ratio Lower Upper
96 100
61 182.5 145.7 218.5
98 60.1 49.2 73.8





#23

Vinyl Acetate

Concen: 9.476 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion: 43 Resp: 1858512

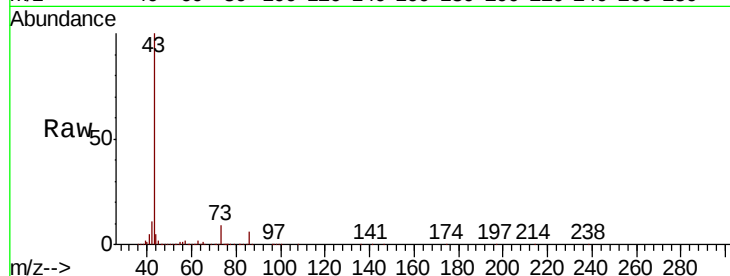
Ion Ratio Lower Upper

43 100

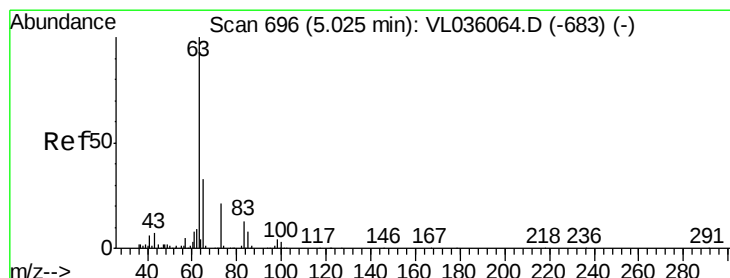
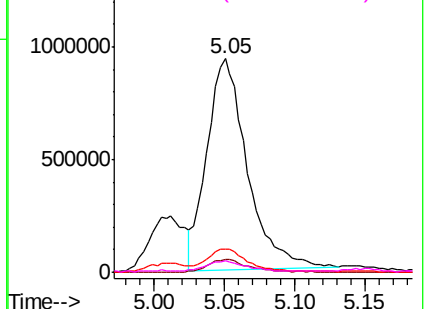
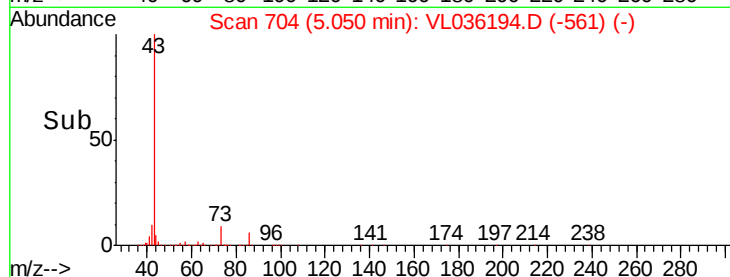
86 6.1 5.0 7.4

42 10.6 7.8 11.6

44 4.8 3.2 4.8



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: 9.428 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

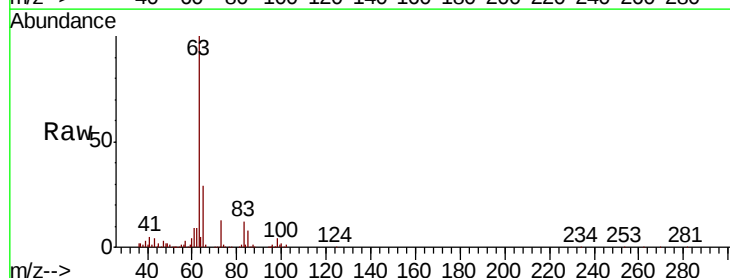
Tgt Ion: 63 Resp: 1300536

Ion Ratio Lower Upper

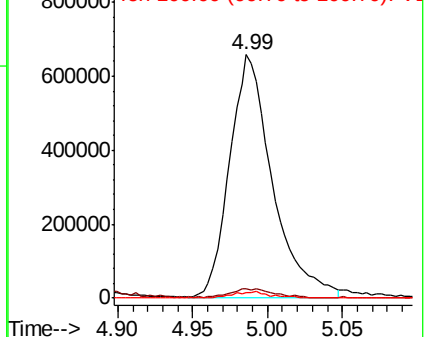
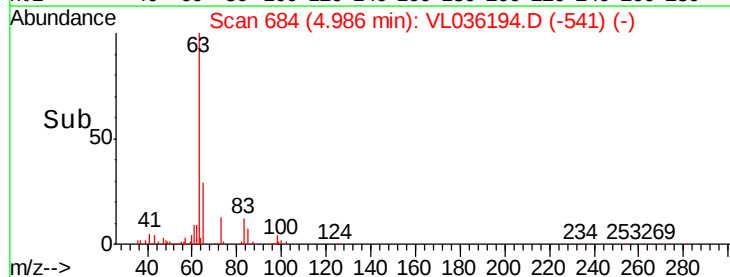
63 100

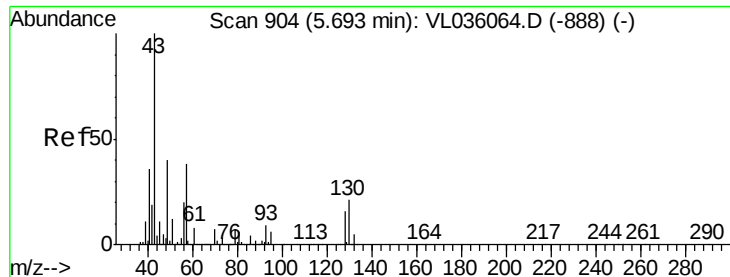
98 3.6 2.2 6.6

100 2.4 1.5 4.4



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



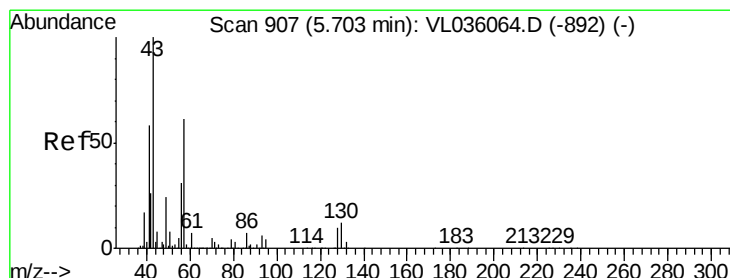
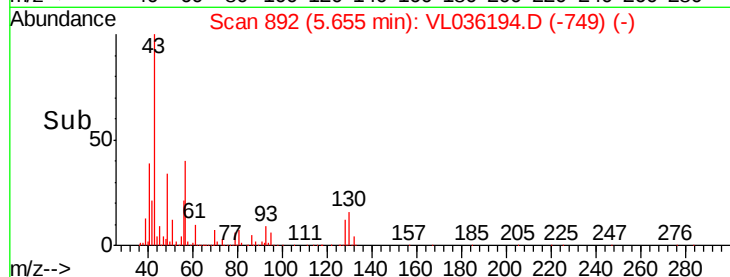
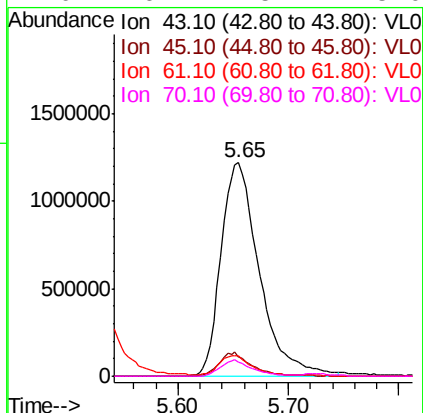
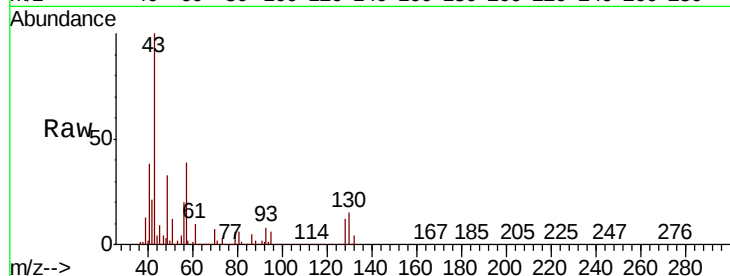


#25
Ethyl Acetate
Concen: 9.930 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

Tot Ion: 43 Resp: 2922251

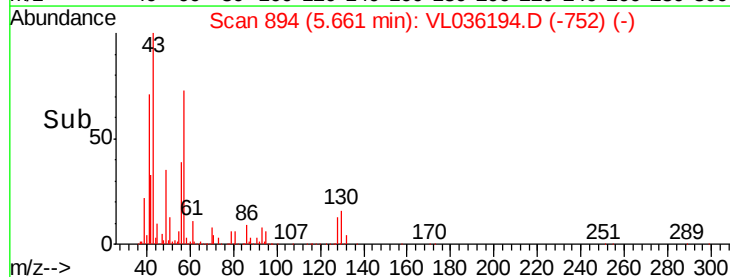
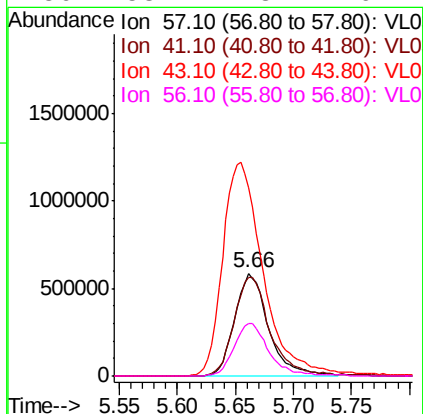
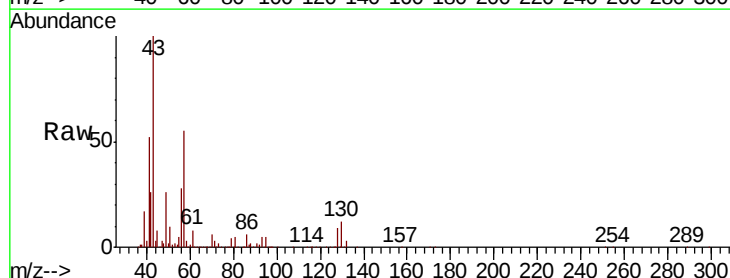
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.4
61	9.1	7.4	11.2
70	6.4	5.4	8.0

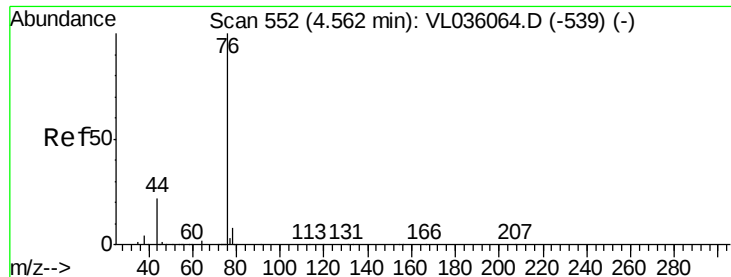


#26
Hexane
Concen: 8.931 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 57 Resp: 1182888

Ion	Ratio	Lower	Upper
57	100		
41	103.8	82.9	124.3
43	251.9	199.9	299.9
56	53.1	43.1	64.7

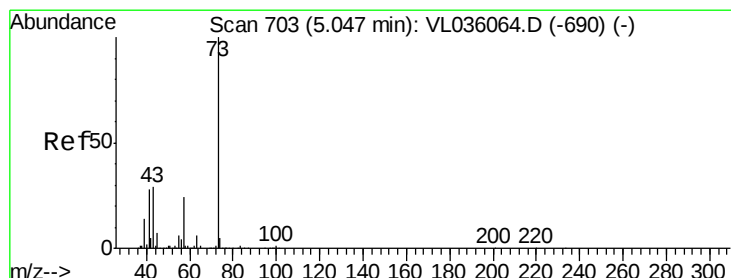
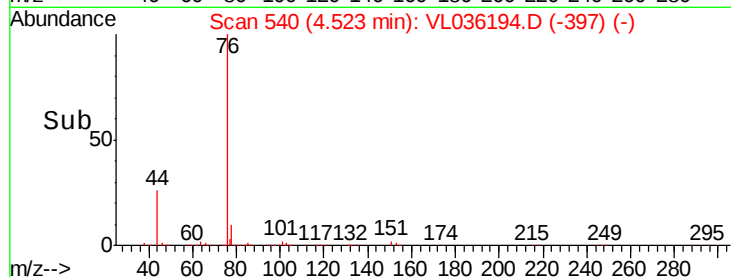
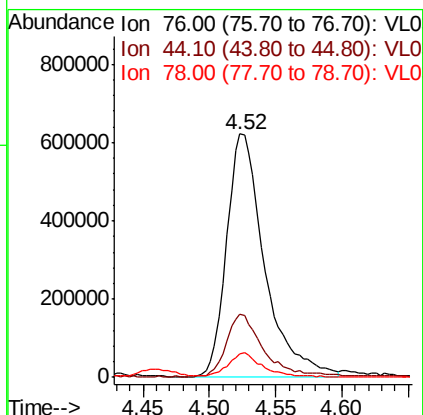
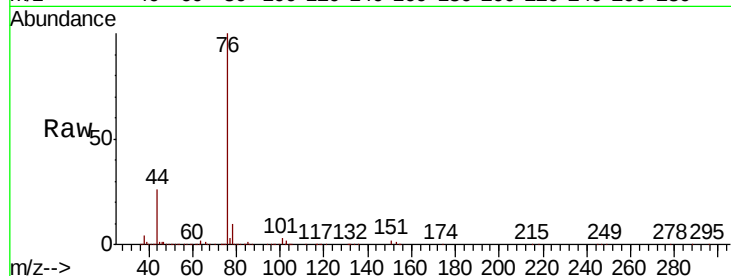




#27
Carbon Disulfide
Concen: 9.423 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

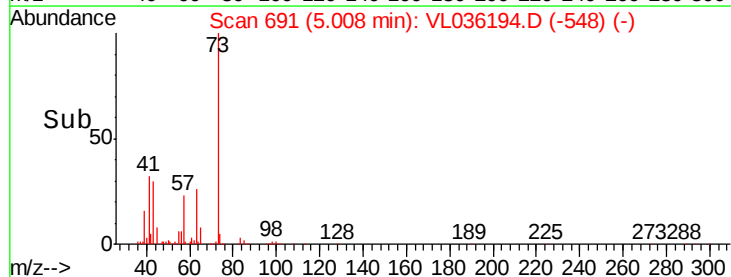
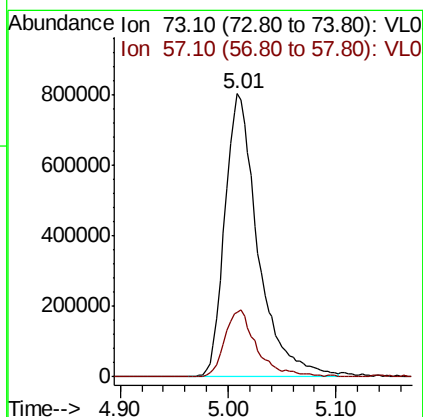
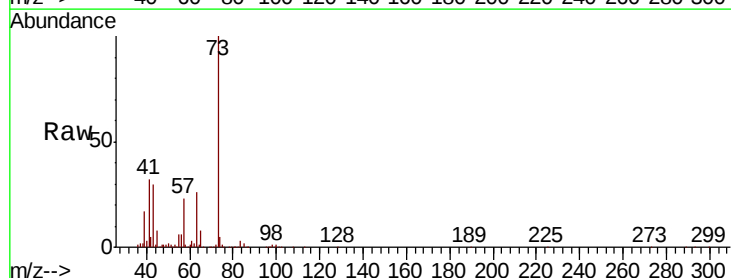
Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

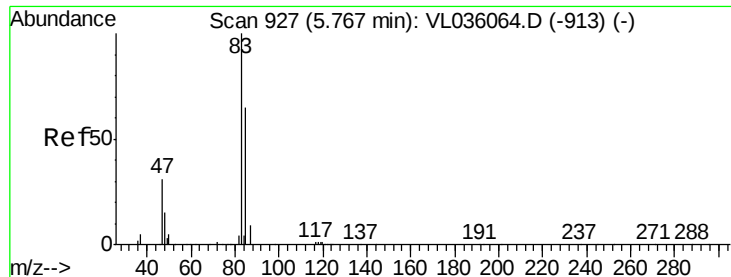
Tot Ion: 76 Resp: 1240433
Ion Ratio Lower Upper
76 100
44 26.3 17.9 26.9
78 9.3 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 9.133 ppbv
RT: 5.01 min Scan# 691
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 73 Resp: 1719847
Ion Ratio Lower Upper
73 100
57 23.2 19.2 28.8





#29

Chloroform

Concen: 10.580 ppbv

RT: 5.73 min Scan# 915

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

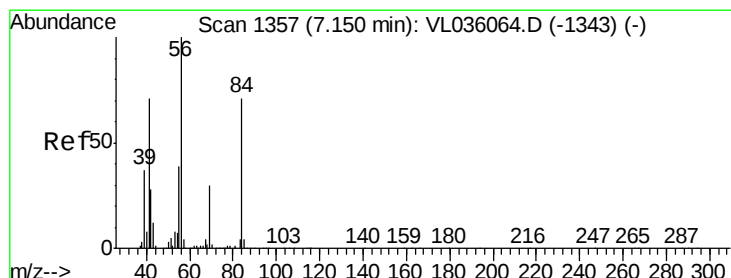
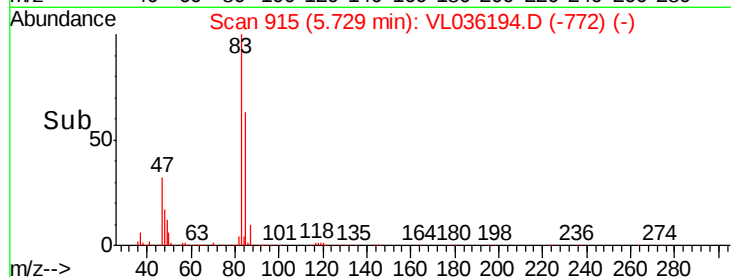
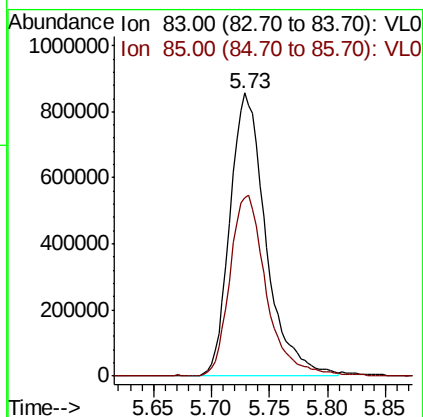
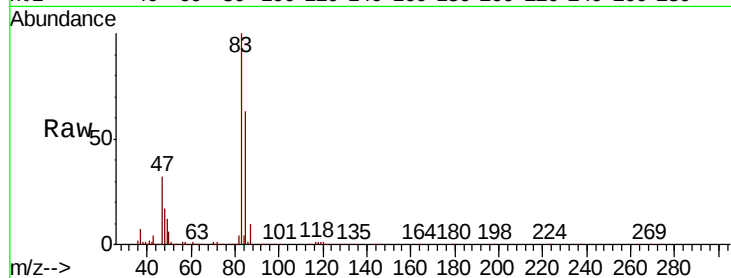
VL1223ABS01

Tot Ion: 83 Resp: 1840201

Ion Ratio Lower Upper

83 100

85 62.8 51.8 77.6



#30

Cyclohexane

Concen: 9.486 ppbv

RT: 7.10 min Scan# 1343

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

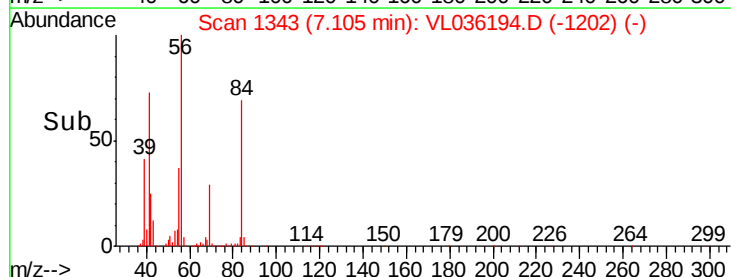
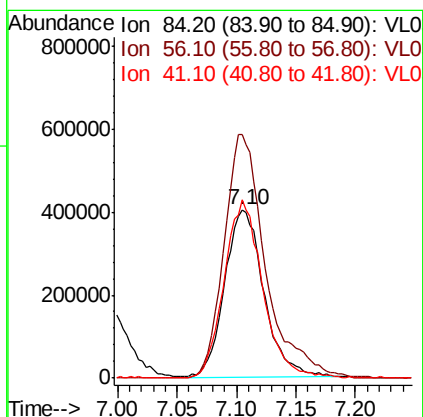
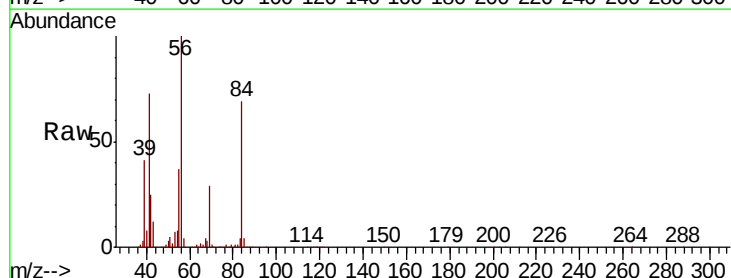
Tgt Ion: 84 Resp: 922928

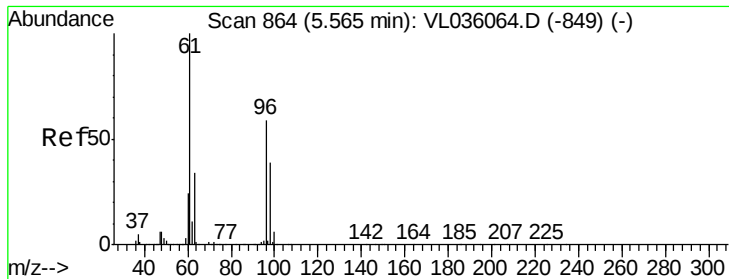
Ion Ratio Lower Upper

84 100

56 154.9 128.0 192.0

41 104.8 81.3 121.9

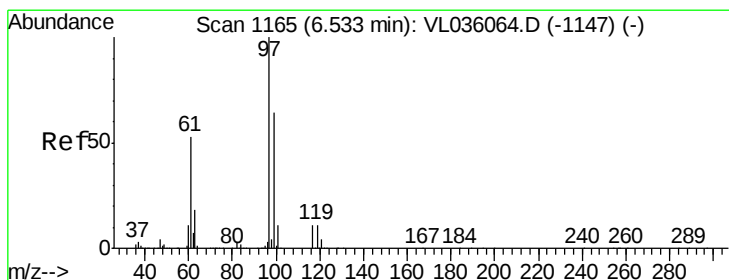
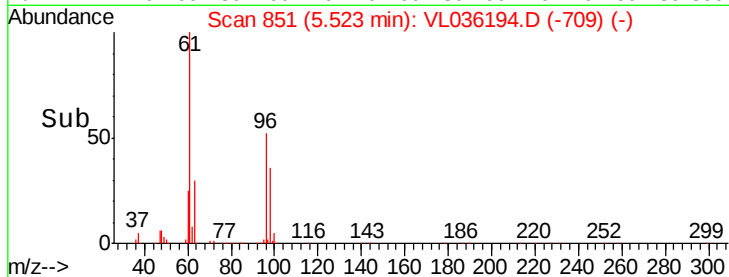
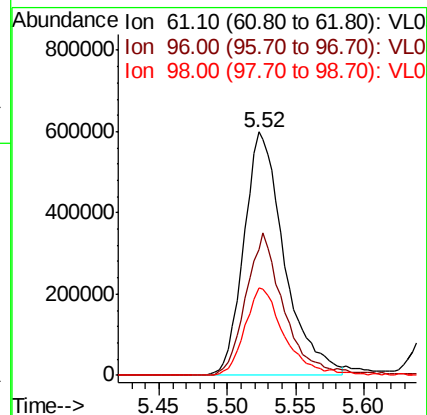
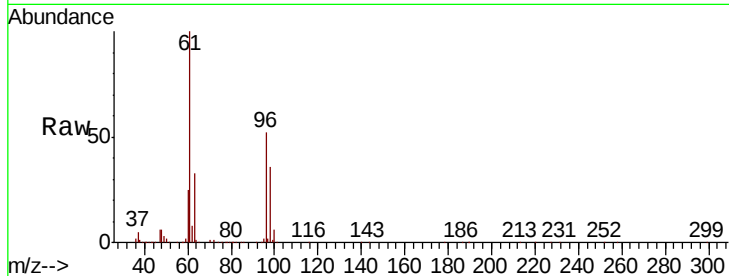




#31
 cis-1,2-Dichloroethene
 Concen: 10.240 ppbv
 RT: 5.52 min Scan# 851
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

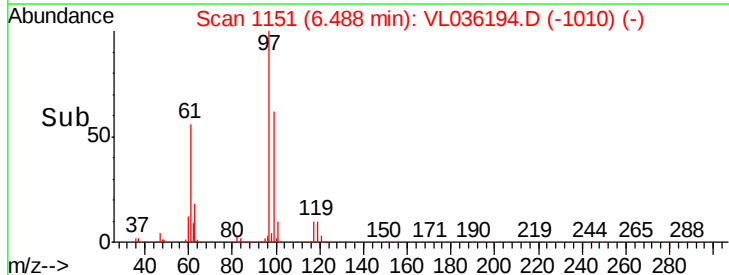
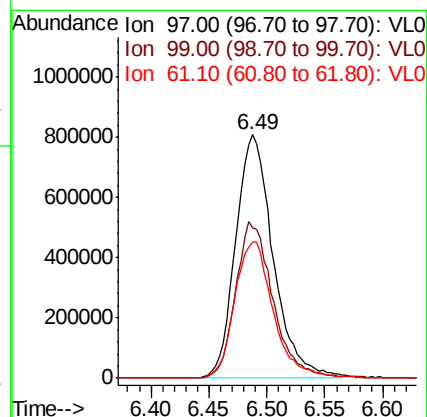
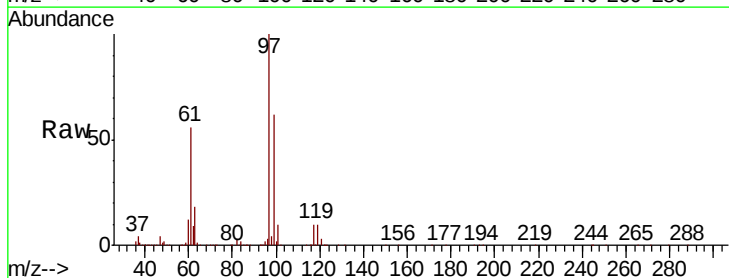
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

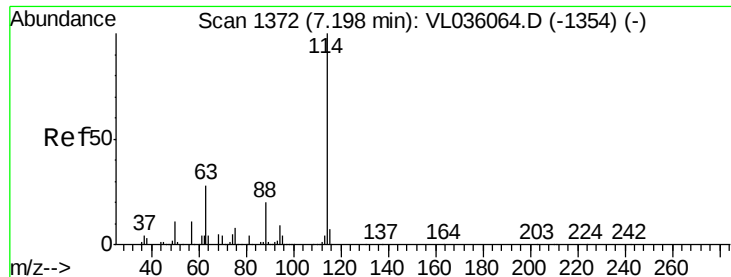
Tot Ion: 61 Resp: 1232901
 Ion Ratio Lower Upper
 61 100
 96 51.8 47.3 70.9
 98 35.7 31.4 47.0



#32
 1,1,1-Trichloroethane
 Concen: 10.156 ppbv
 RT: 6.49 min Scan# 1151
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion: 97 Resp: 1822773
 Ion Ratio Lower Upper
 97 100
 99 64.0 52.4 78.6
 61 57.5 43.4 65.0

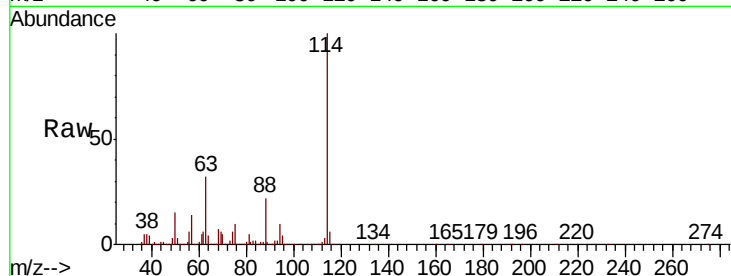




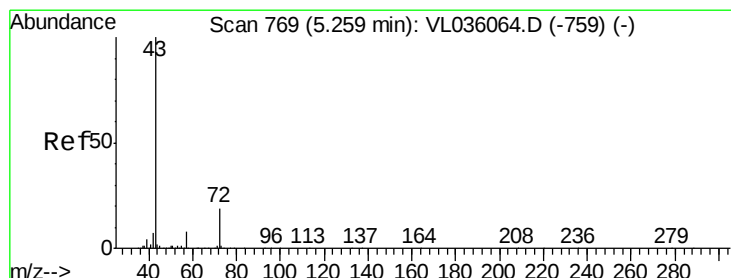
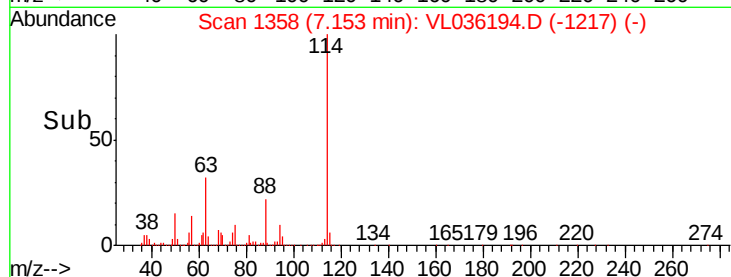
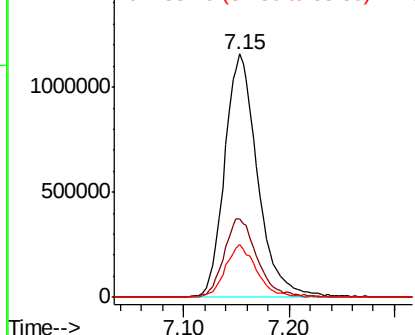
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

Tot Ion:114 Resp: 2495698
 Ion Ratio Lower Upper
 114 100
 63 33.3 23.6 35.4
 88 20.9 15.8 23.6

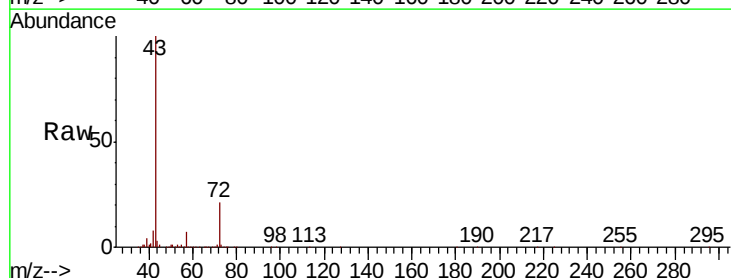


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

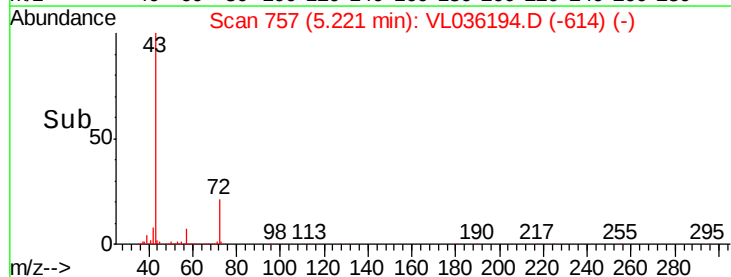
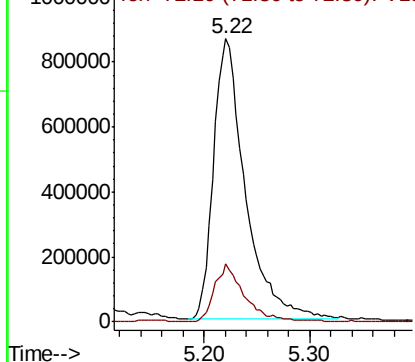


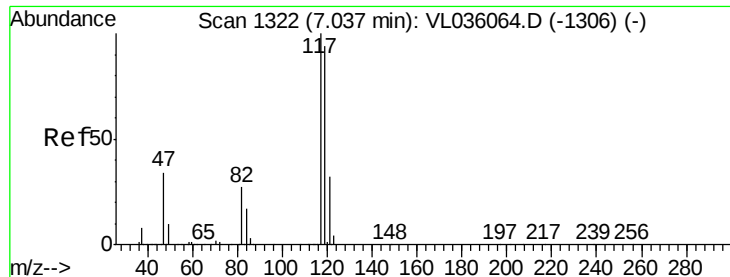
#34
 2-Butanone
 Concen: 10.844 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.04 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion: 43 Resp: 1795223
 Ion Ratio Lower Upper
 43 100
 72 19.7 16.5 24.7



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





#35

Carbon Tetrachloride

Concen: 11.903 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

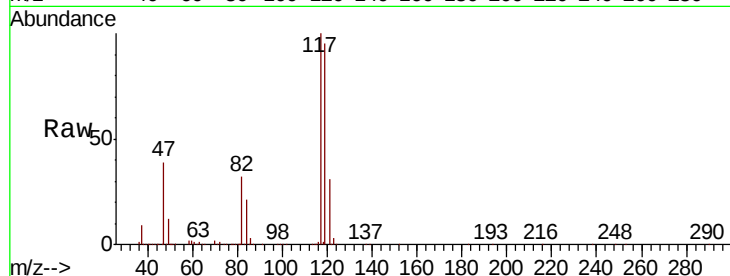
Tot Ion:117 Resp: 1732309

Ion Ratio Lower Upper

117 100

119 94.9 75.1 112.7

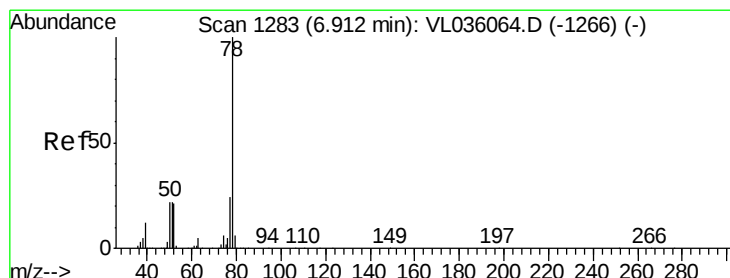
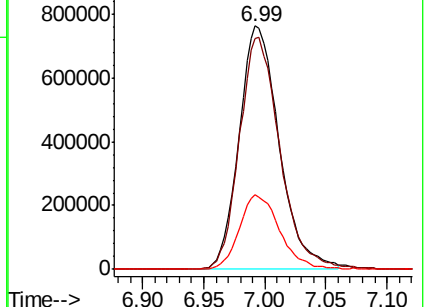
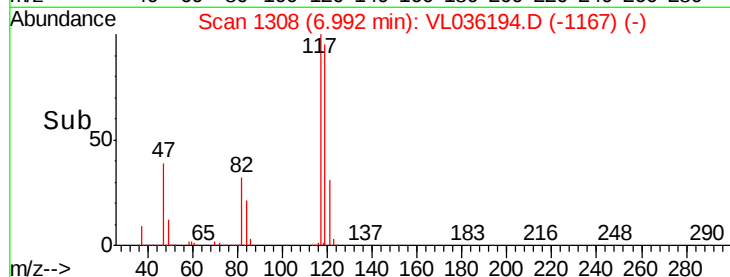
121 30.9 25.6 38.4



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: 10.953 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

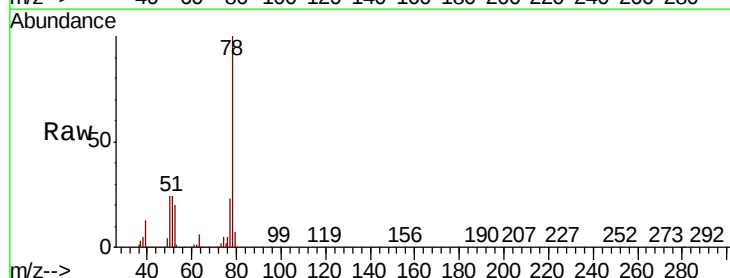
Tgt Ion: 78 Resp: 2316716

Ion Ratio Lower Upper

78 100

77 22.8 19.4 29.2

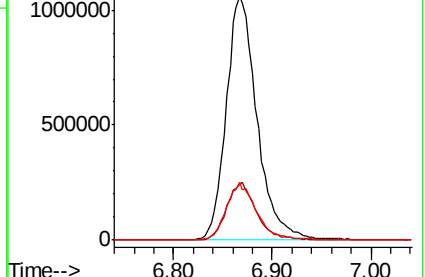
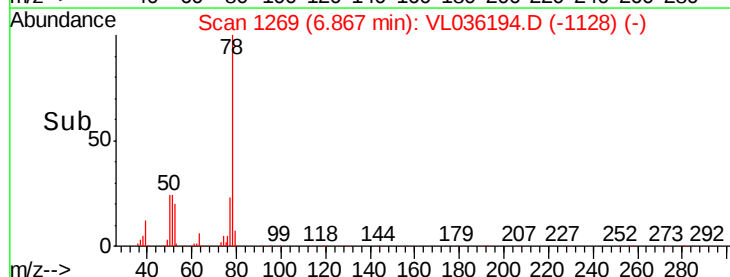
50 23.7 17.8 26.8

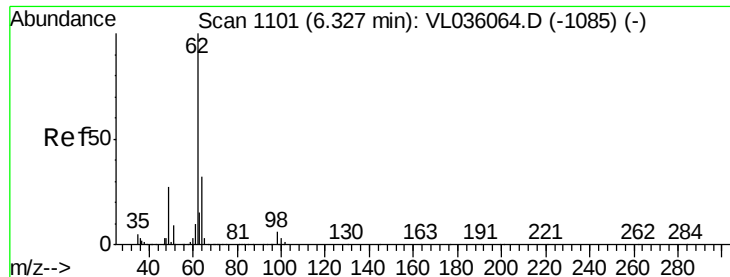


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 13.147 ppbv

RT: 6.28 min Scan# 1088

Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

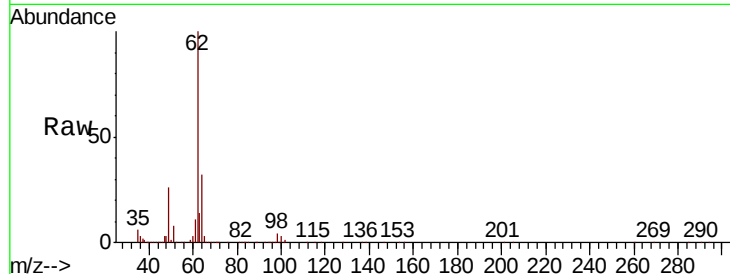
VL1223ABS01

Tot Ion: 62 Resp: 1611242

Ion Ratio Lower Upper

62 100

98 4.5 4.6 7.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.28

800000

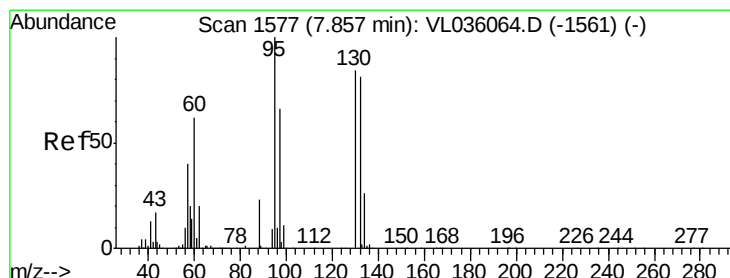
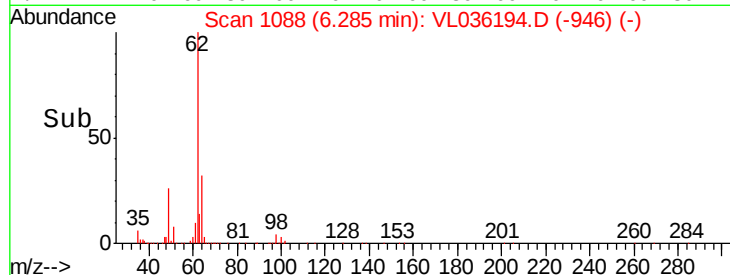
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 9.086 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:130 Resp: 718359

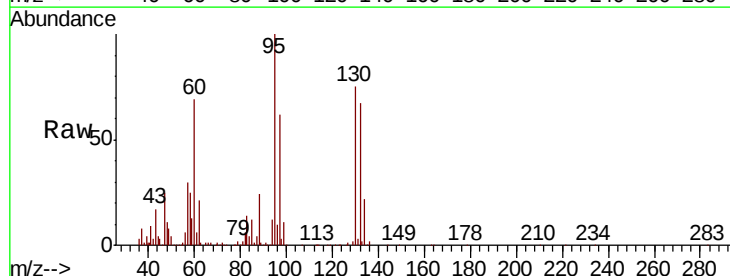
Ion Ratio Lower Upper

130 100

95 134.5 95.2 142.8

132 90.3 76.9 115.3

97 83.6 62.3 93.5



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

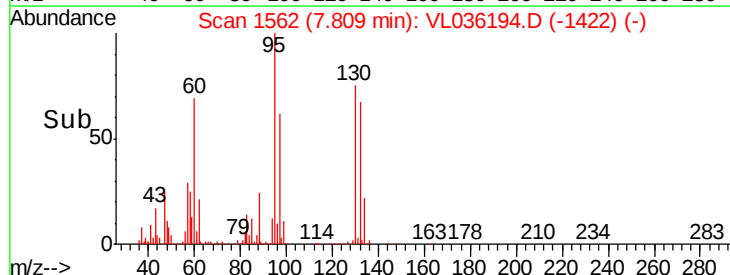
600000

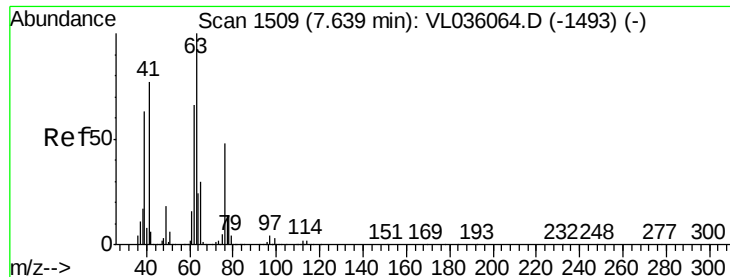
400000

200000

0

Time-->

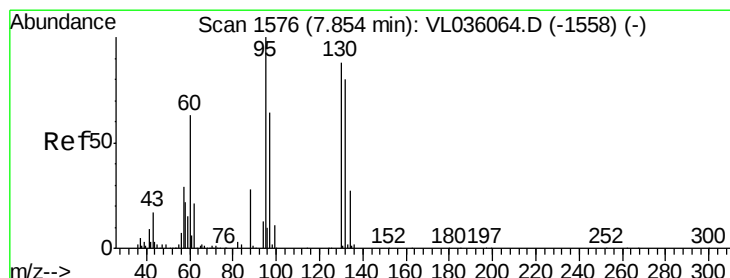
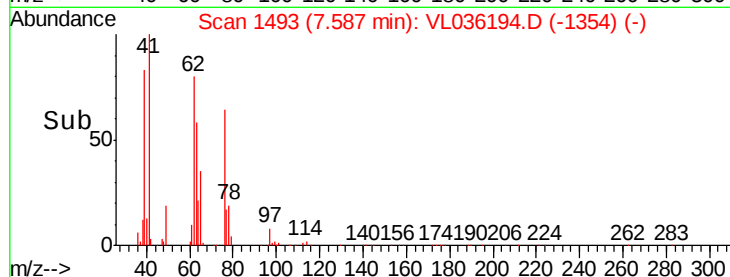
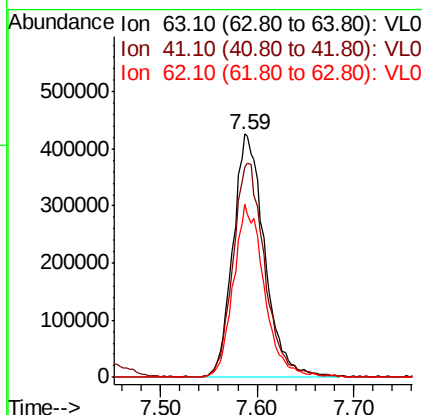
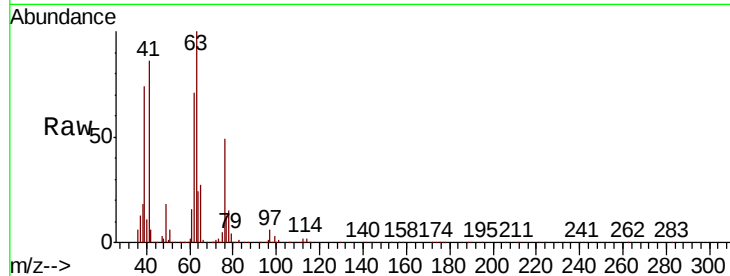




#39
 1,2-Dichloropropane
 Concen: 11.609 ppbv
 RT: 7.59 min Scan# 1493
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

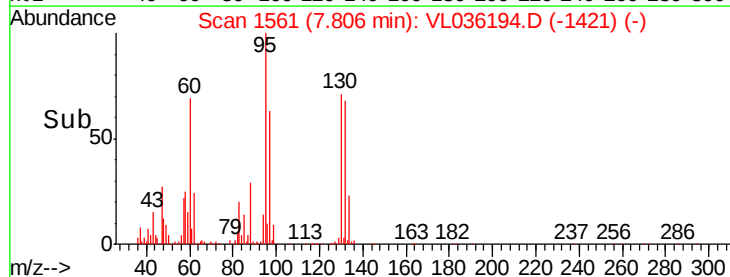
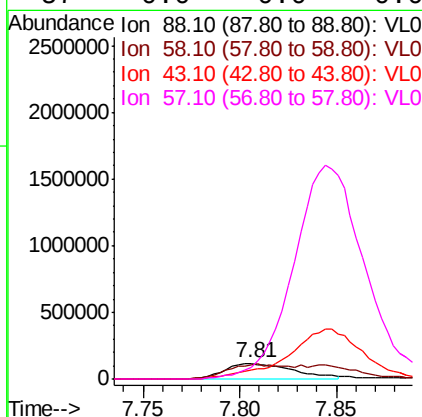
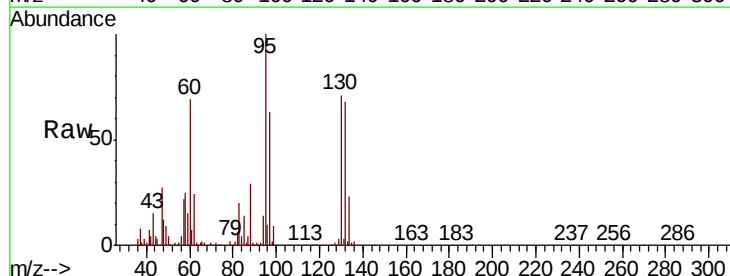
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

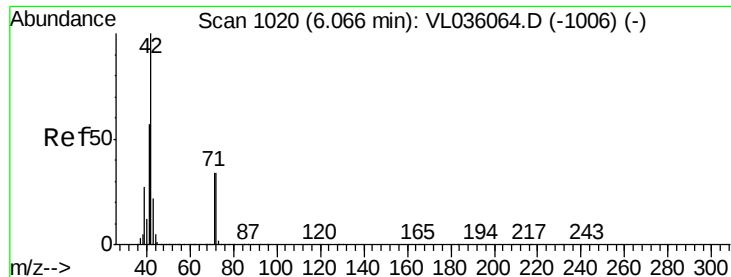
Tot Ion	Ratio	Lower	Upper
63	100		
41	86.0	61.9	92.9
62	71.0	52.5	78.7



#40
 1,4-Dioxane
 Concen: 10.460 ppbv
 RT: 7.81 min Scan# 1561
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.5	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

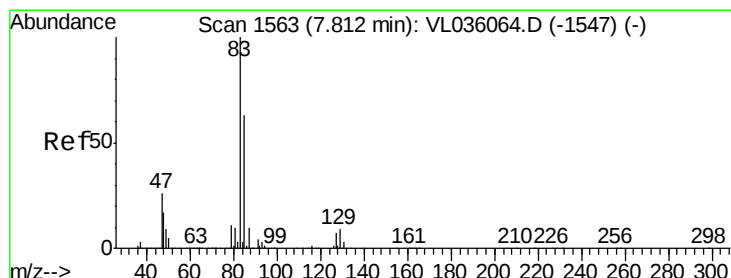
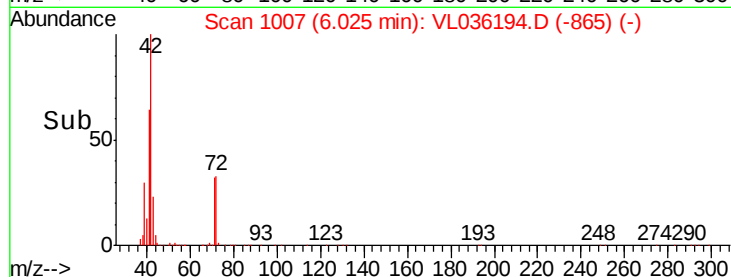
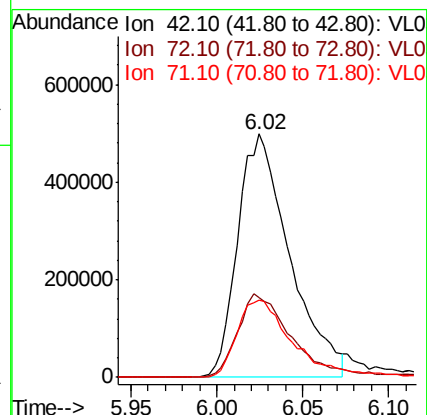
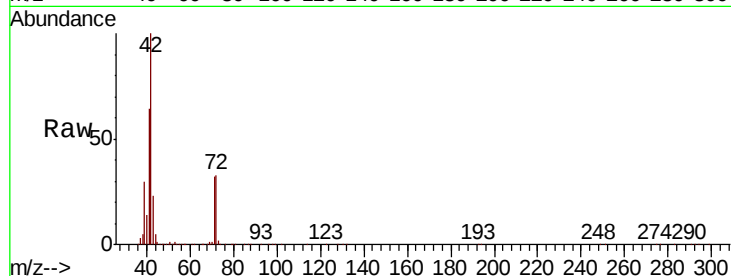




#41
Tetrahydrofuran
Concen: 10.657 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

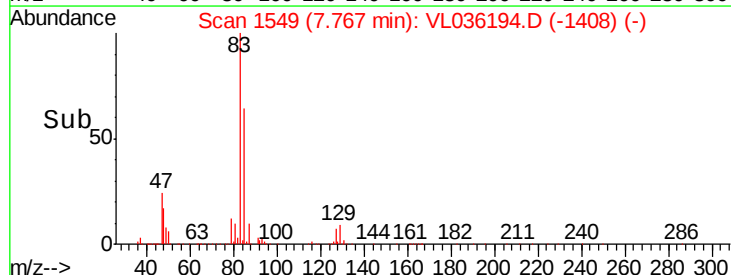
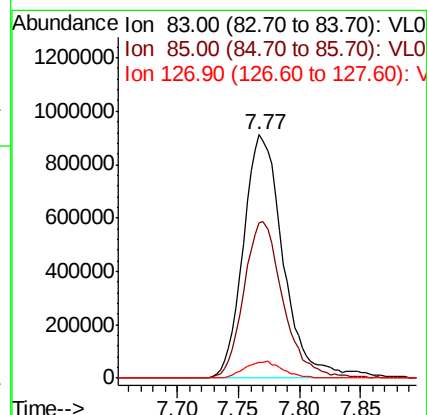
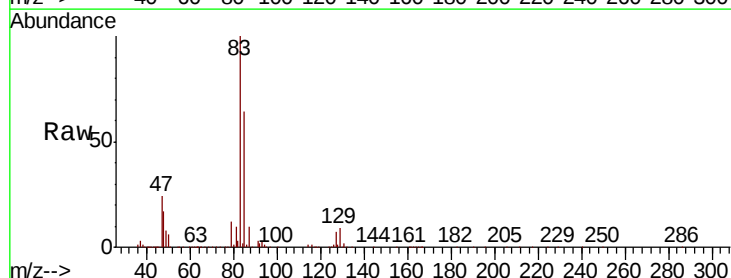
Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

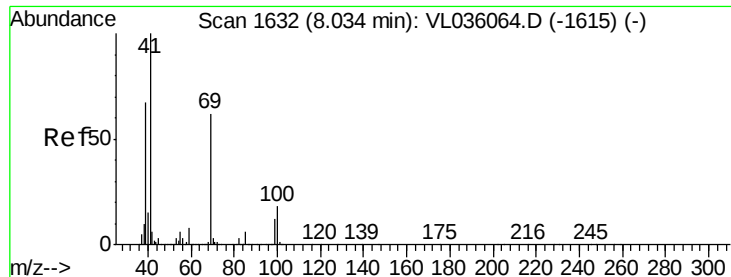
Tot Ion: 42 Resp: 1048043
Ion Ratio Lower Upper
42 100
72 37.0 28.3 42.5
71 34.9 27.3 40.9



#42
Bromodichloromethane
Concen: 12.443 ppbv
RT: 7.77 min Scan# 1549
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 83 Resp: 2032123
Ion Ratio Lower Upper
83 100
85 63.7 50.2 75.2
127 6.7 5.5 8.3

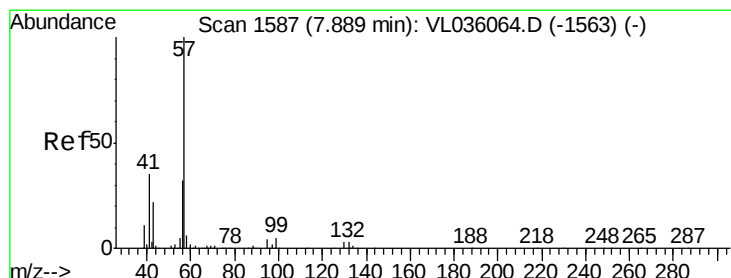
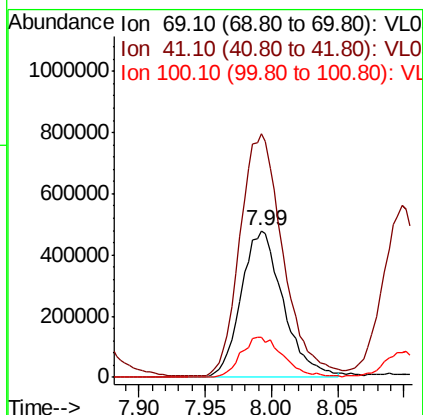
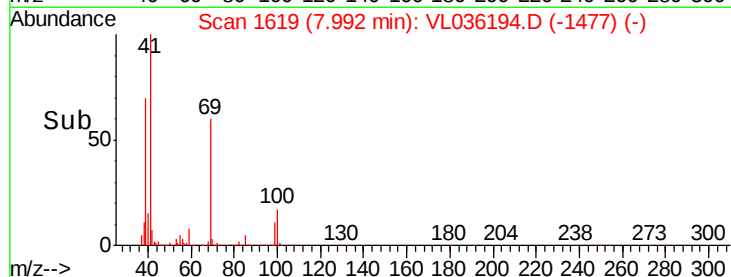
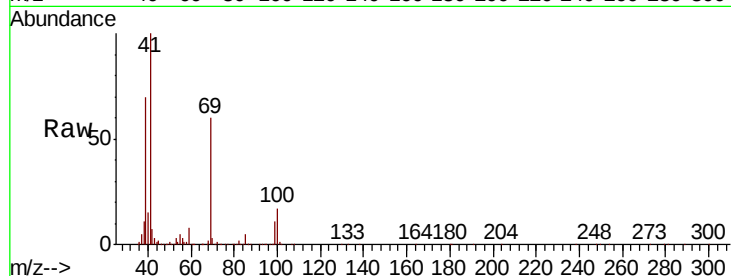




#43
Methyl Methacrylate
Concen: 11.637 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.04 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

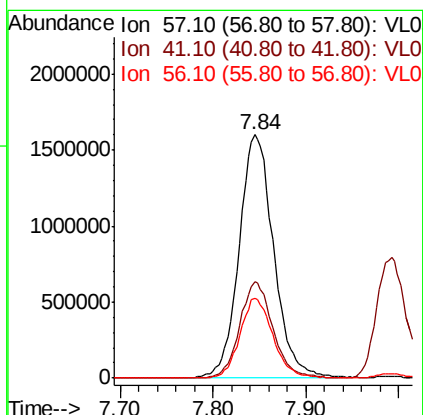
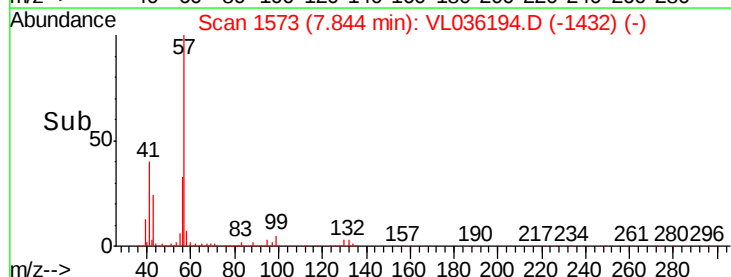
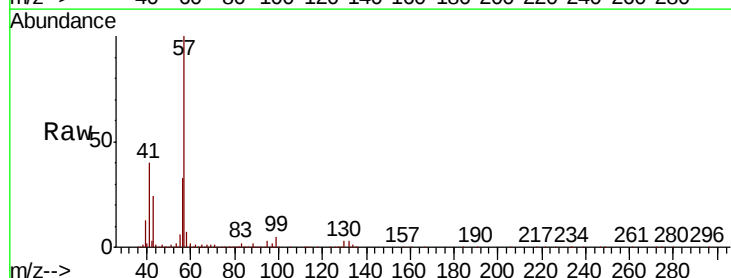
Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

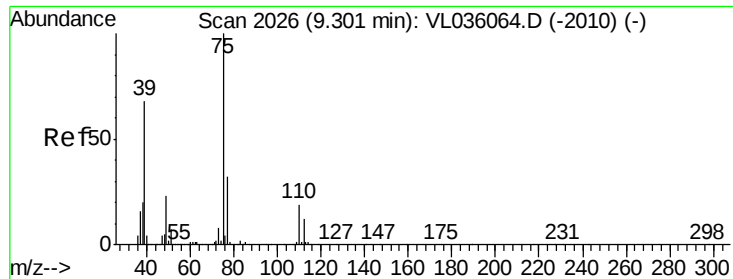
Tot Ion: 69 Resp: 1055919
Ion Ratio Lower Upper
69 100
41 171.0 133.0 199.6
100 28.0 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 10.817 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 57 Resp: 4143190
Ion Ratio Lower Upper
57 100
41 38.0 28.9 43.3
56 31.4 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 12.530 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

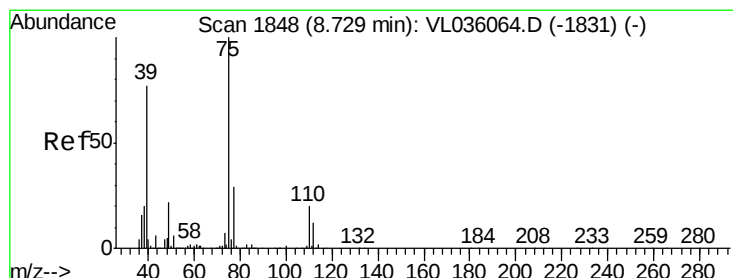
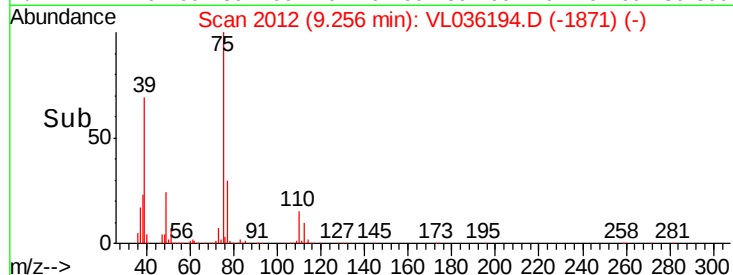
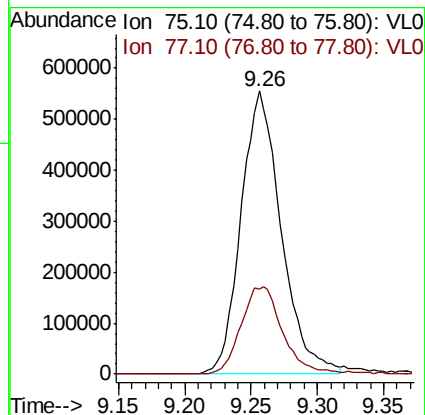
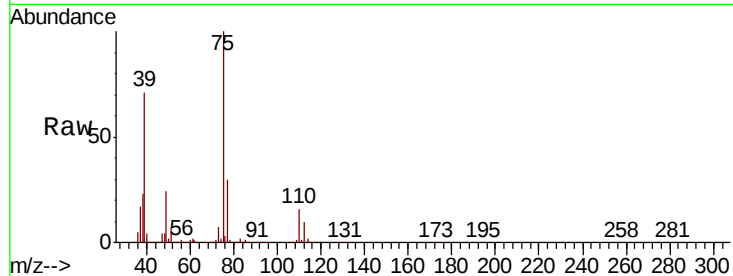
VL1223ABS01

Tot Ion: 75 Resp: 1168038

Ion Ratio Lower Upper

75 100

77 30.2 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 11.846 ppbv

RT: 8.68 min Scan# 1833

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

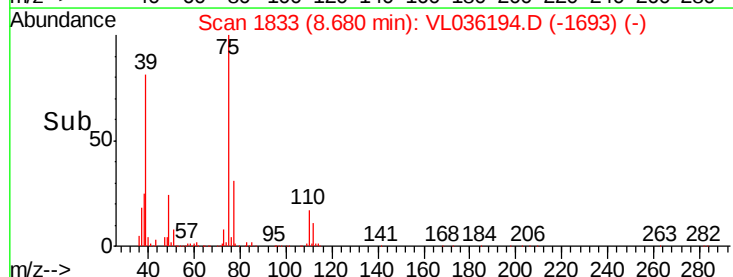
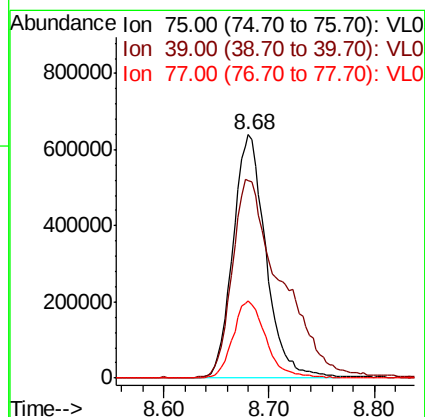
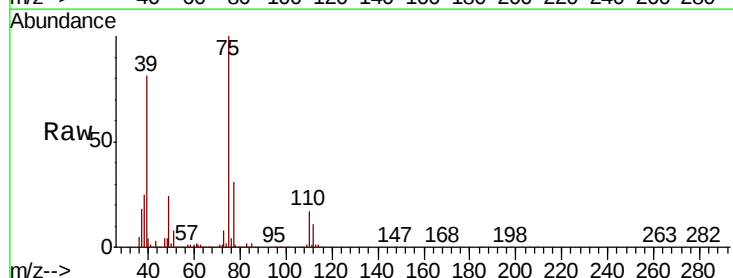
Tgt Ion: 75 Resp: 1384044

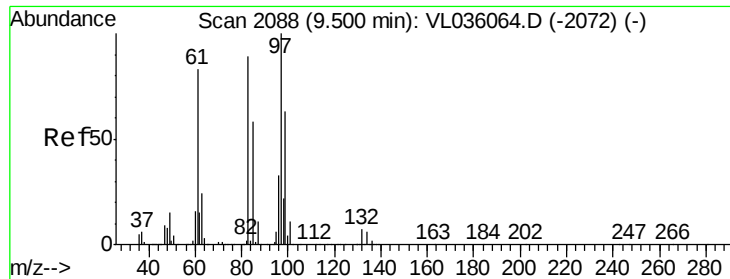
Ion Ratio Lower Upper

75 100

39 81.1 61.6 92.4

77 31.5 23.0 34.6

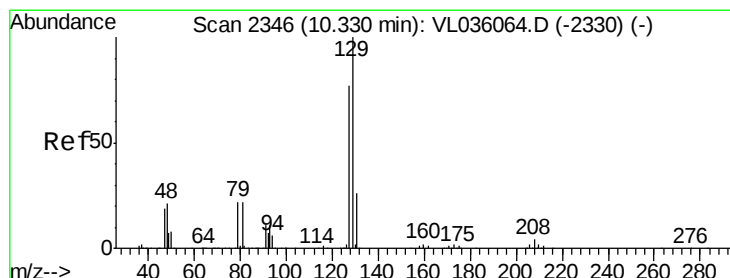
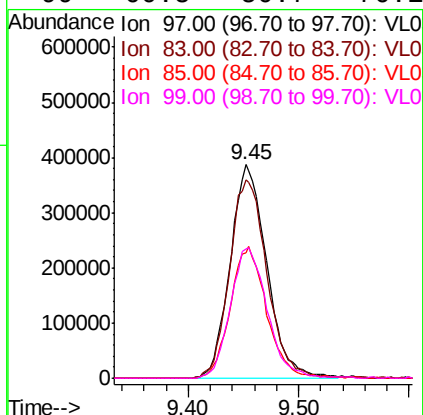
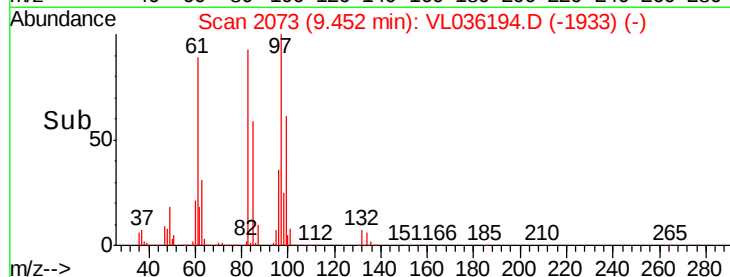
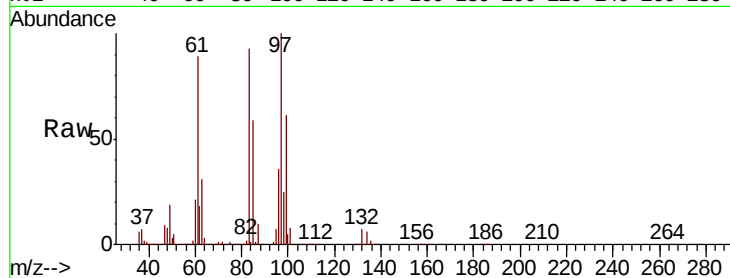




#47
 1,1,2-Trichloroethane
 Concen: 11.073 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

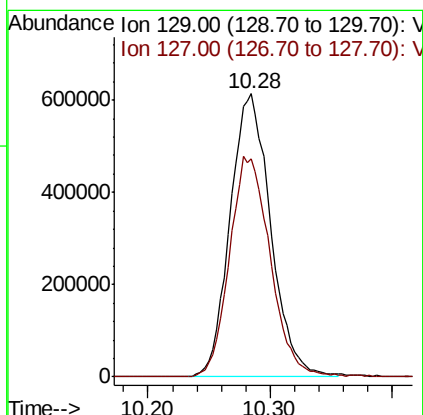
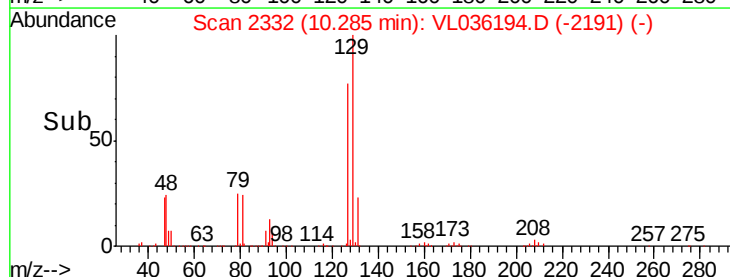
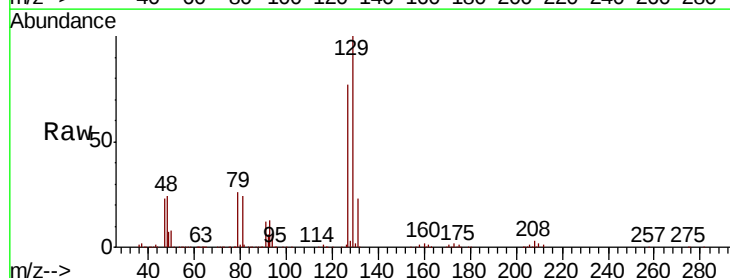
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

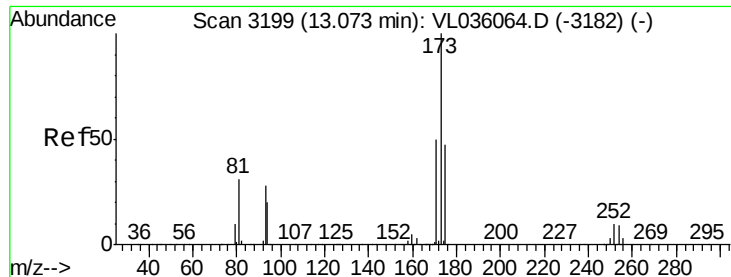
Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.8	71.4	107.2	
85	58.8	46.6	70.0	
99	60.5	50.7	76.1	



#48
 Dibromochloromethane
 Concen: 11.661 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.7	39.0	117.0	





#49

Bromoform

Concen: 11.877 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

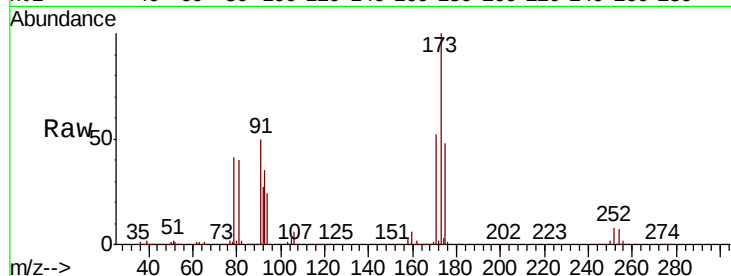
Tot Ion:173 Resp: 1134401

Ion Ratio Lower Upper

173 100

175 48.4 39.8 59.6

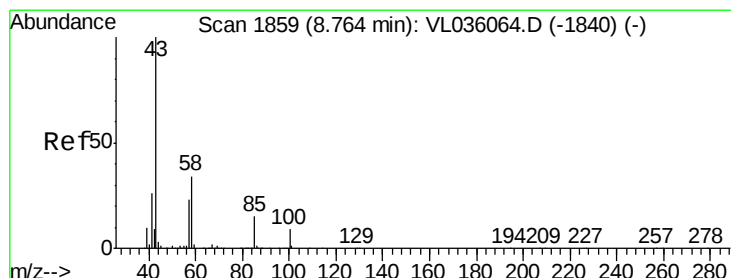
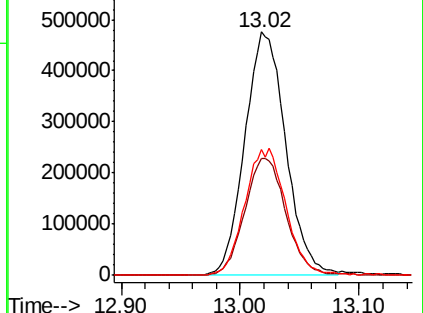
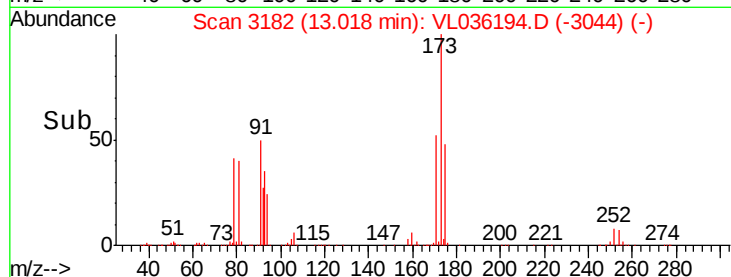
171 52.6 42.5 63.7



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: 11.338 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.05 min

Lab File: VL036194.D

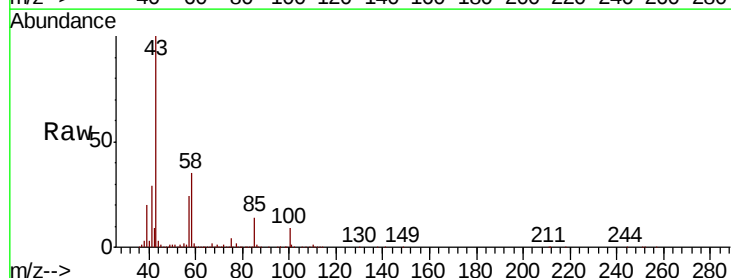
Acq: 23 Dec 2020 15:10

Tgt Ion: 43 Resp: 2799072

Ion Ratio Lower Upper

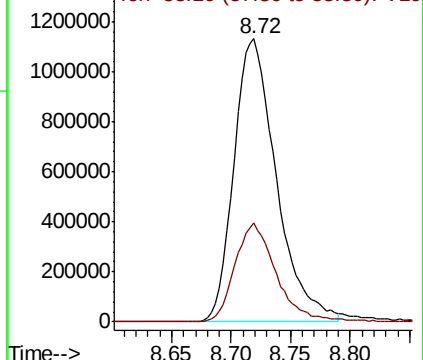
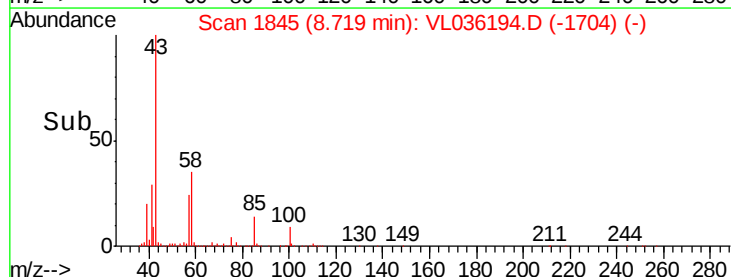
43 100

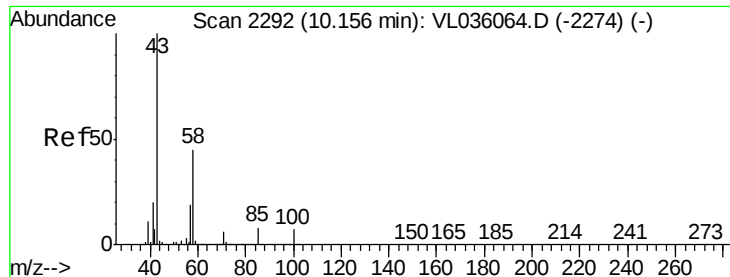
58 34.3 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

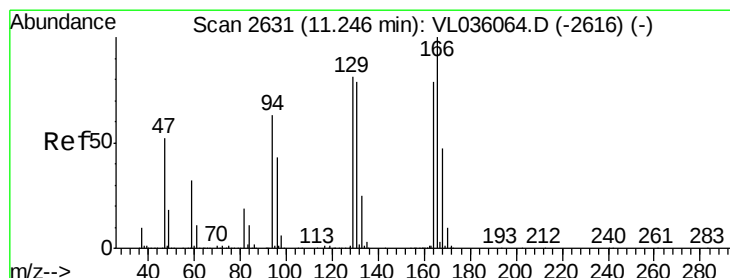
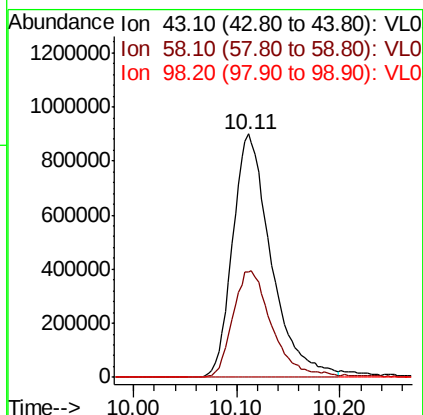
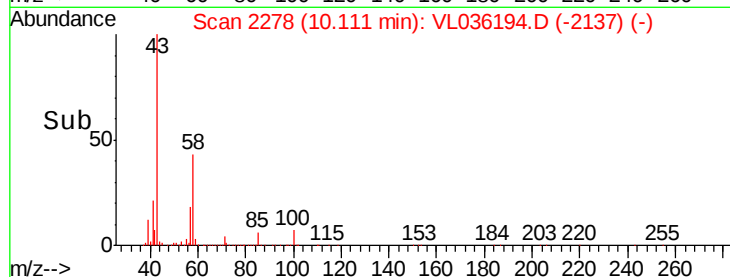
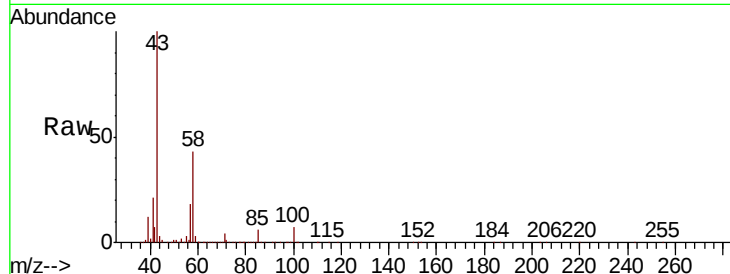




#51
2-Hexanone
Concen: 12.111 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

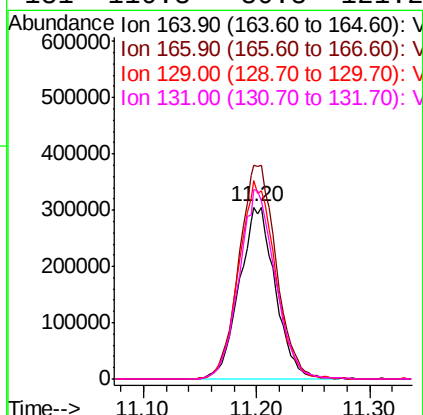
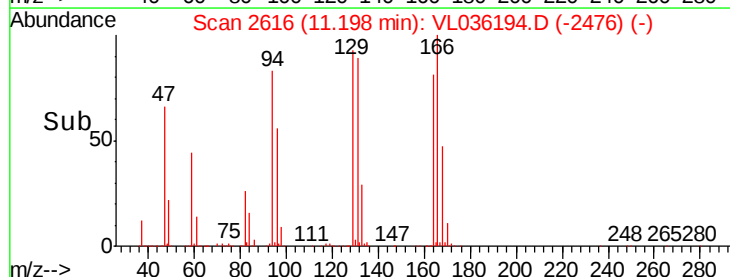
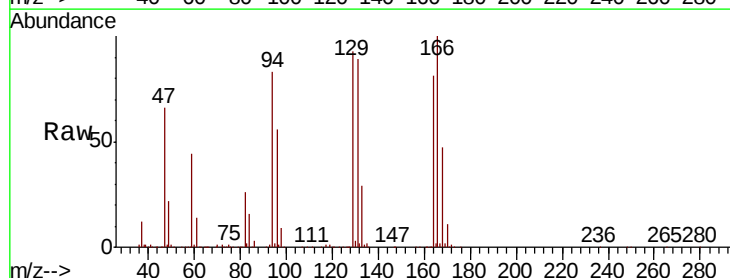
Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

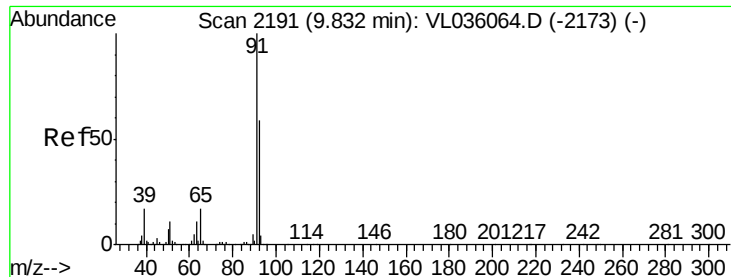
Tot Ion: 43 Resp: 2337123
Ion Ratio Lower Upper
43 100
58 45.7 38.7 58.1
98 0.1 0.1 0.1



#52
Tetrachloroethene
Concen: 8.796 ppbv
RT: 11.20 min Scan# 2616
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 164 Resp: 673490
Ion Ratio Lower Upper
164 100
166 124.1 101.9 152.9
129 115.0 82.1 123.1
131 110.3 80.8 121.2





#53

Toluene

Concen: 10.690 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

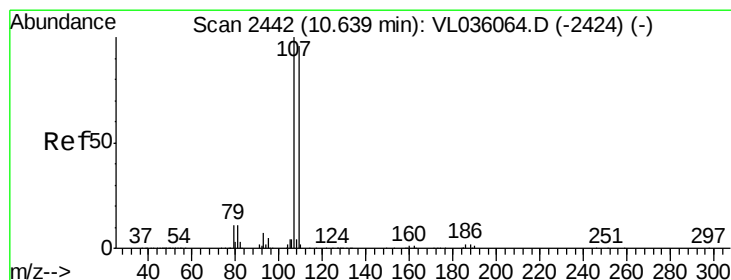
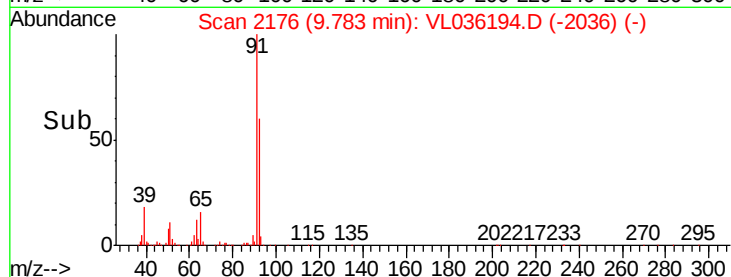
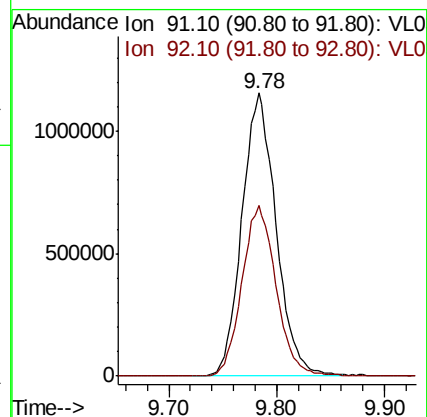
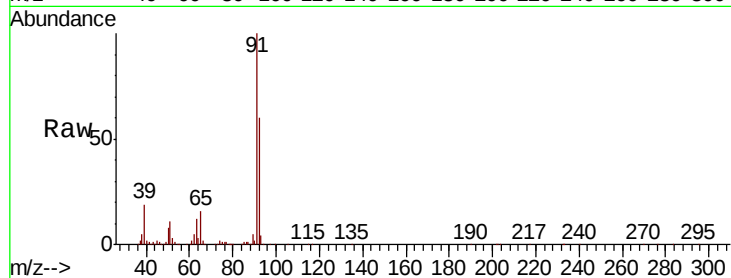
VL1223ABS01

Tot Ion: 91 Resp: 2538907

Ion Ratio Lower Upper

91 100

92 60.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.118 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.05 min

Lab File: VL036194.D

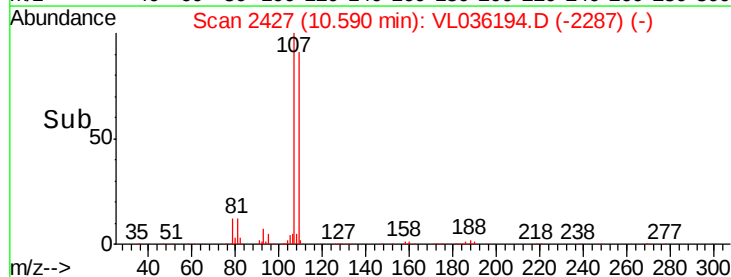
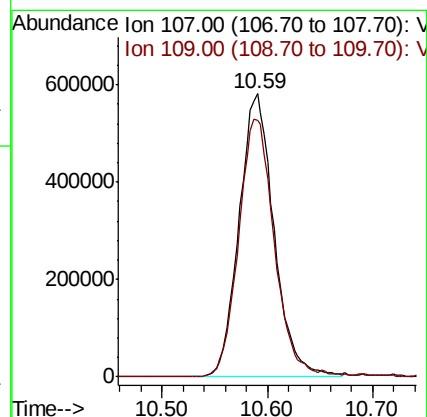
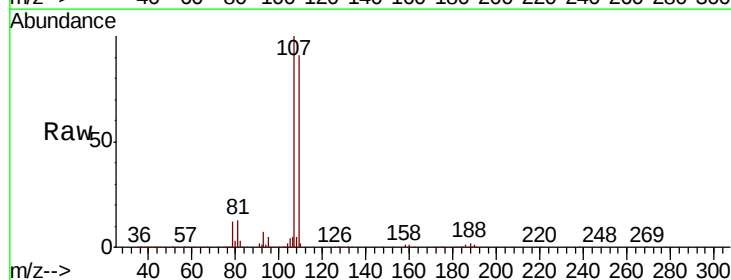
Acq: 23 Dec 2020 15:10

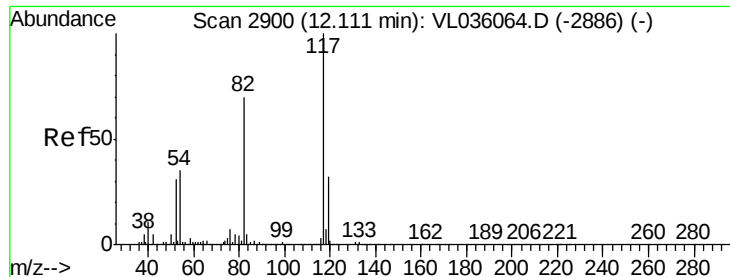
Tgt Ion: 107 Resp: 1339261

Ion Ratio Lower Upper

107 100

109 90.5 76.6 115.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

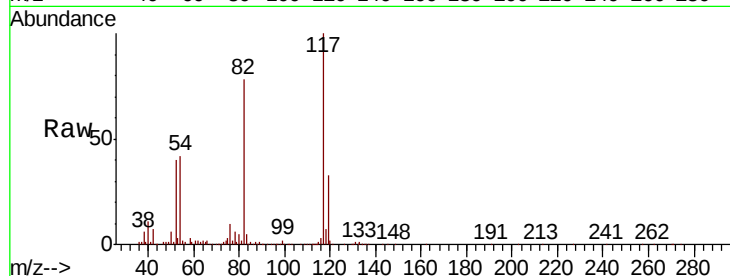
Tot Ion:117 Resp: 2943635

Ion Ratio Lower Upper

117 100

82 63.9 0.0 0.0#

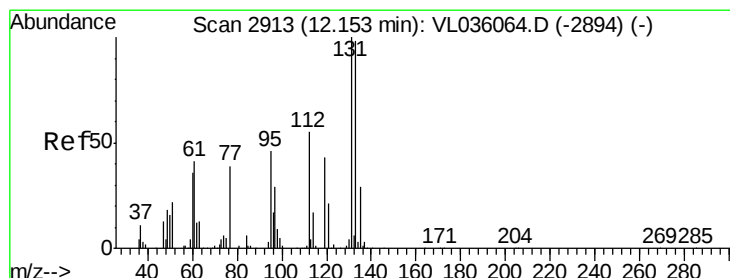
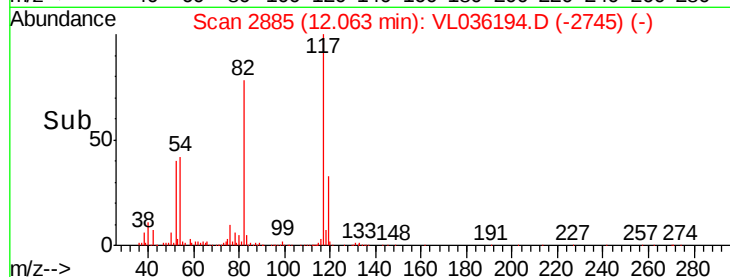
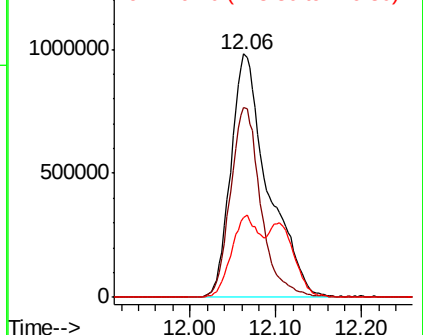
119 26.9 0.0 0.0#



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: 8.668 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

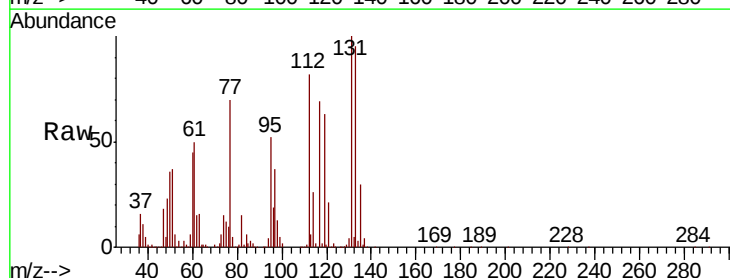
Tgt Ion:131 Resp: 1057933

Ion Ratio Lower Upper

131 100

133 95.2 77.7 116.5

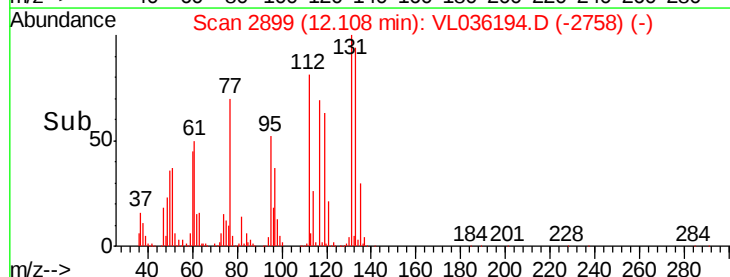
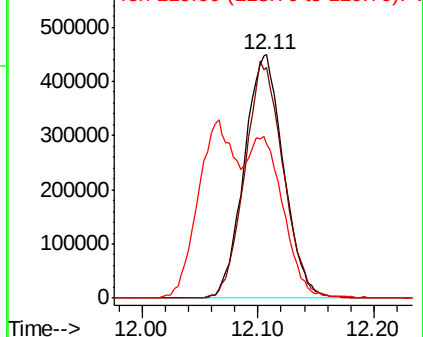
119 57.2 51.6 77.4

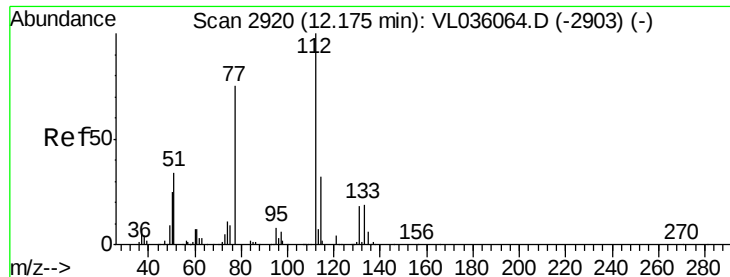


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

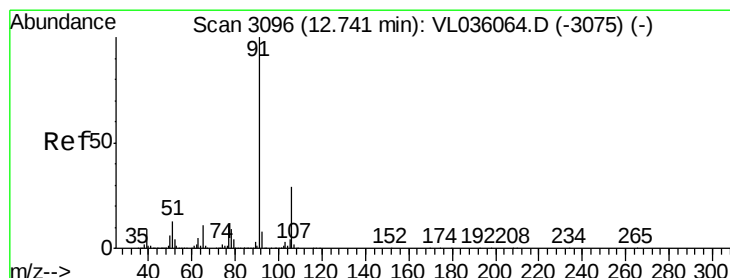
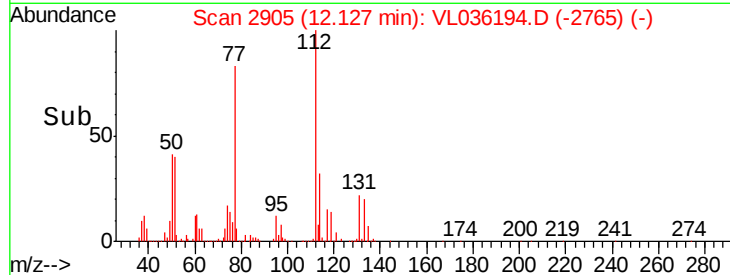
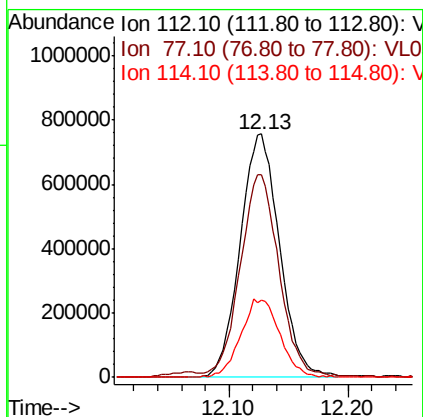
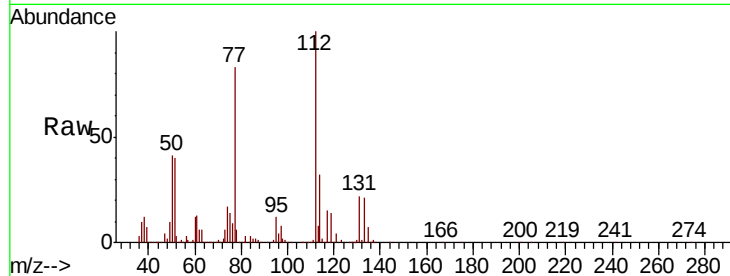




#57
Chlorobenzene
Concen: 8.375 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

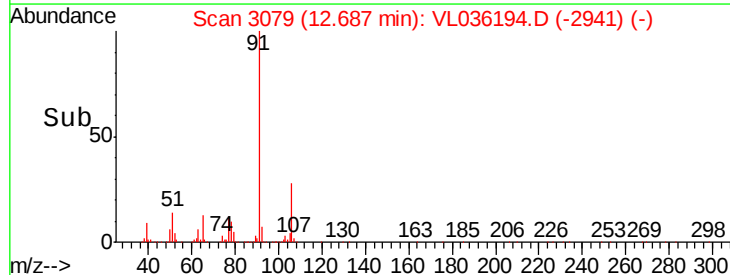
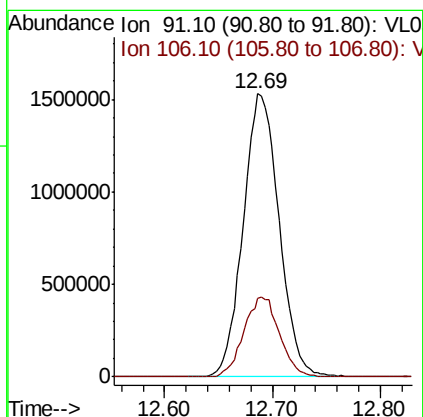
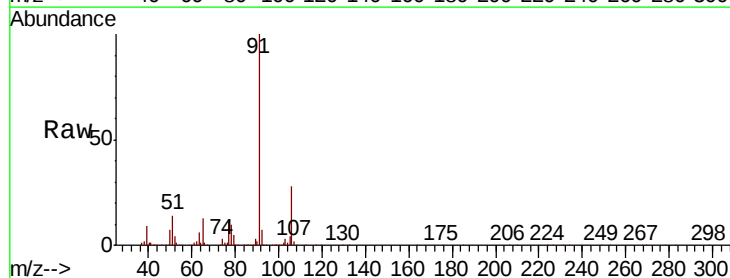
Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

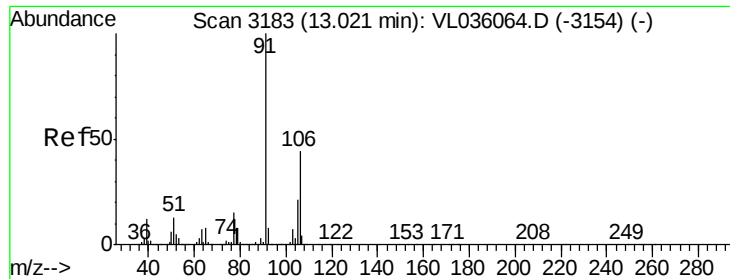
Tot Ion:112 Resp: 1730637
Ion Ratio Lower Upper
112 100
77 82.6 60.5 90.7
114 31.8 29.2 35.6



#58
Ethyl Benzene
Concen: 8.782 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion: 91 Resp: 3542756
Ion Ratio Lower Upper
91 100
106 27.6 23.0 34.4





#59

m/p-Xylene

Concen: 9.476 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

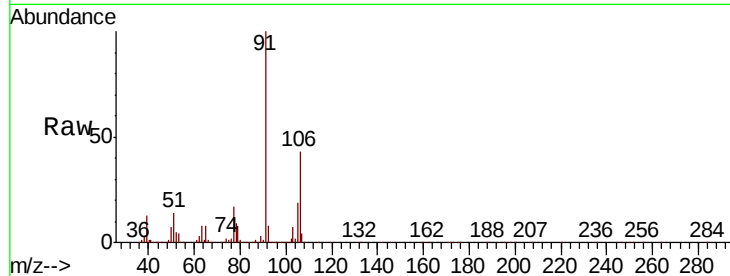
VL1223ABS01

Tot Ion: 91 Resp: 3219628

Ion Ratio Lower Upper

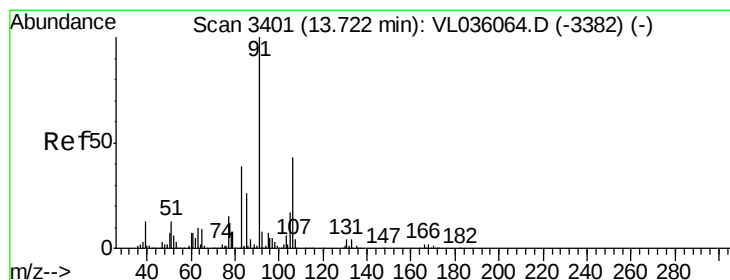
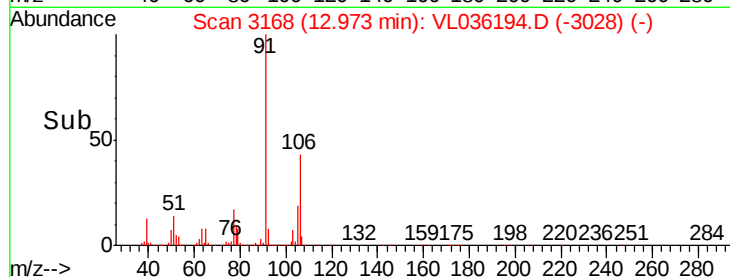
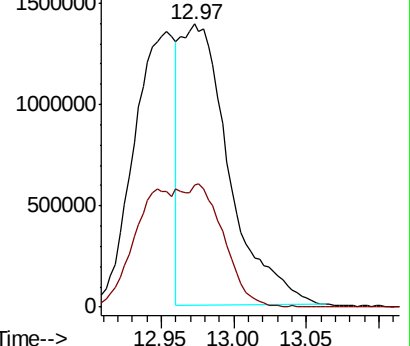
91 100

106 74.7 33.6 50.4#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 8.767 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.05 min

Lab File: VL036194.D

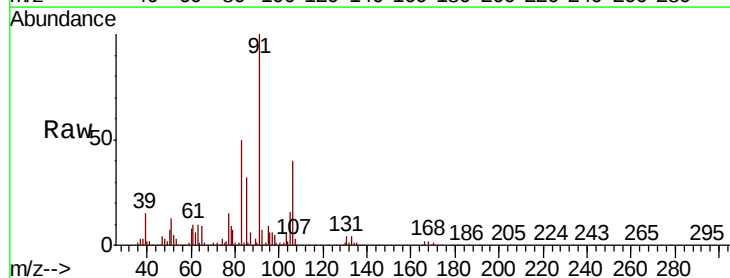
Acq: 23 Dec 2020 15:10

Tgt Ion: 91 Resp: 2806510

Ion Ratio Lower Upper

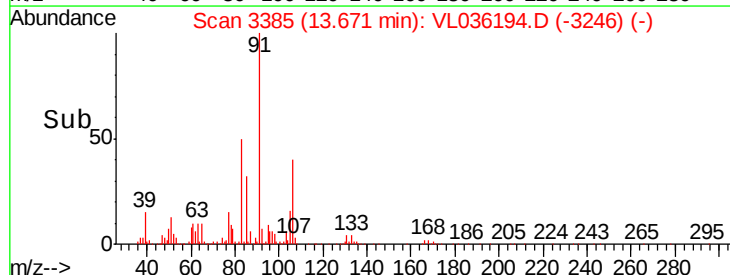
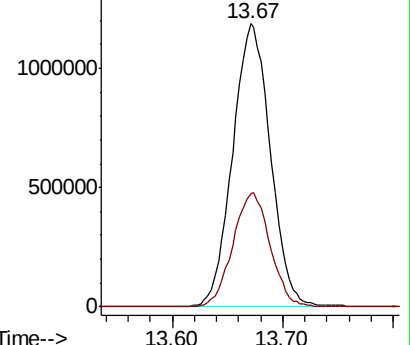
91 100

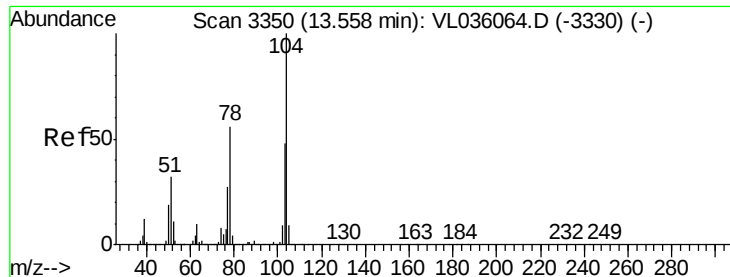
106 40.2 21.6 64.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

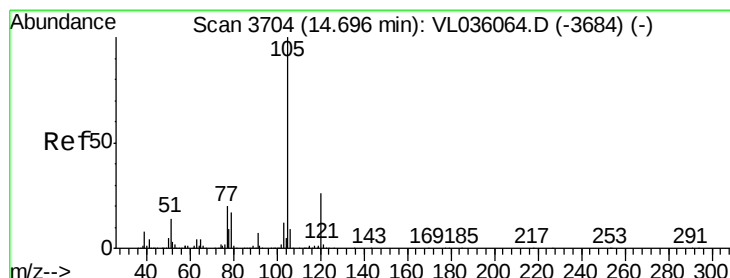
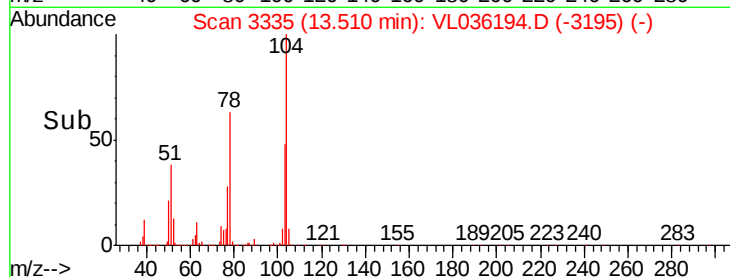
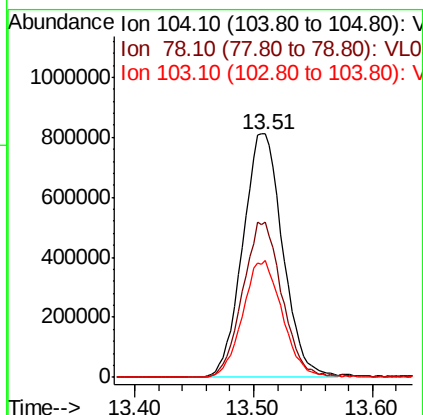
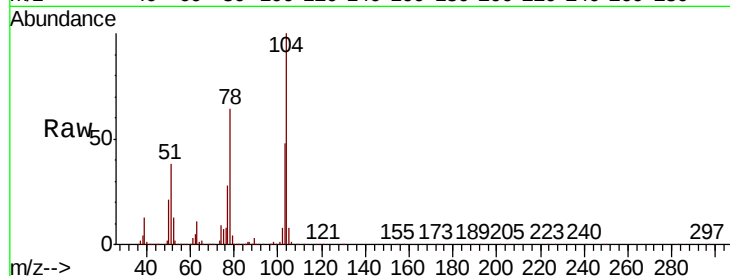




#61
Stvrene
Concen: 9.200 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

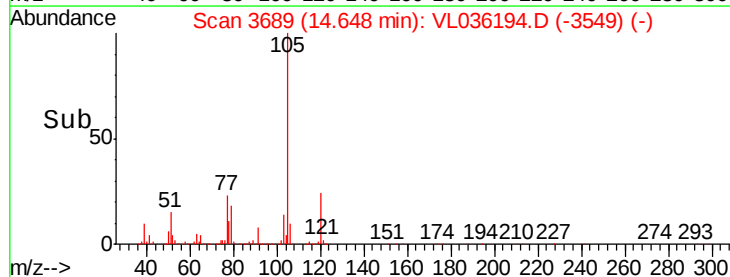
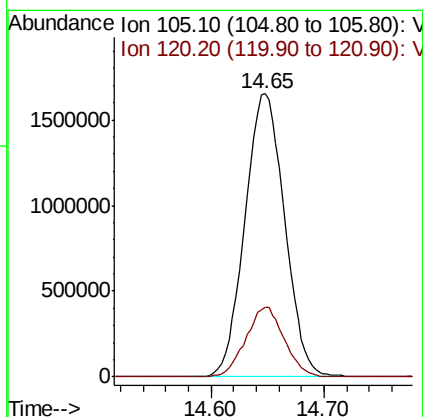
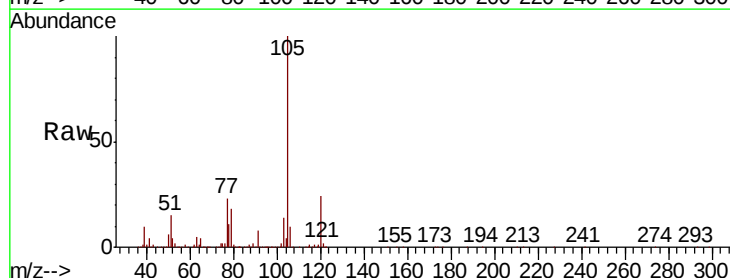
Instrument :
MSVOA_L
ClientSampleId :
VL1223ABS01

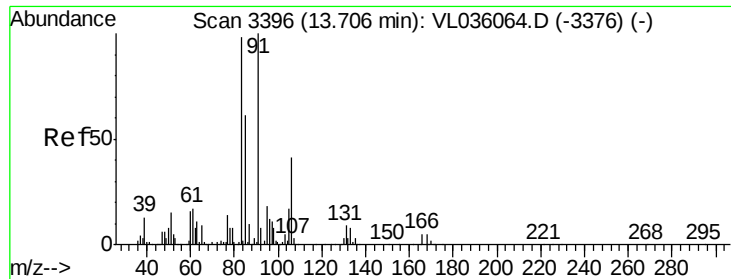
Tot Ion:104 Resp: 1890892
Ion Ratio Lower Upper
104 100
78 63.0 45.8 68.8
103 47.7 38.6 57.8



#62
Isopropylbenzene
Concen: 8.497 ppbv
RT: 14.65 min Scan# 3689
Delta R.T. -0.05 min
Lab File: VL036194.D
Acq: 23 Dec 2020 15:10

Tgt Ion:105 Resp: 4031909
Ion Ratio Lower Upper
105 100
120 23.9 20.1 30.1

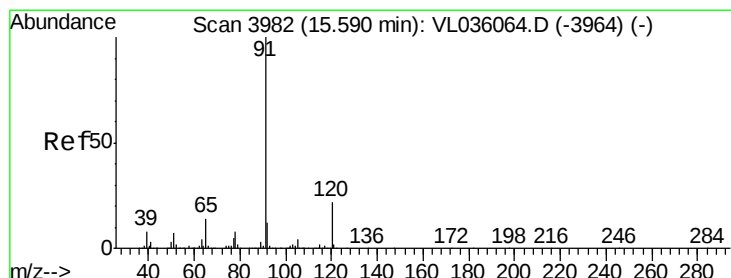
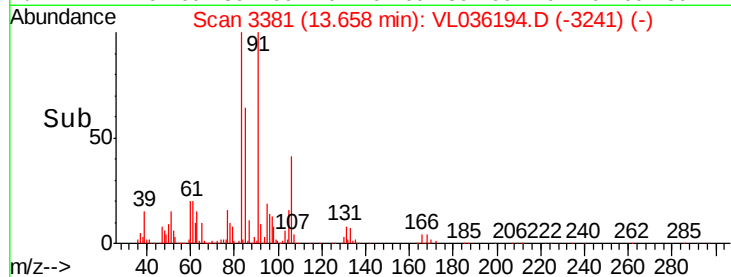
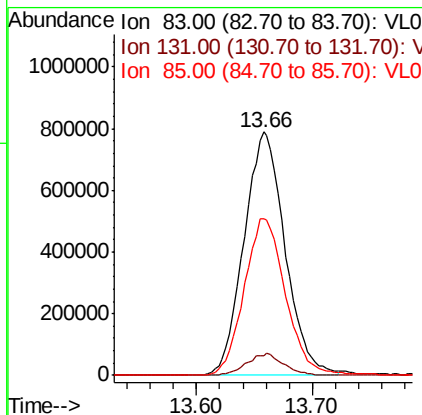
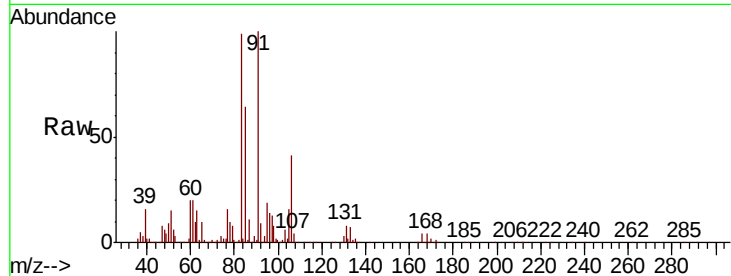




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.993 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

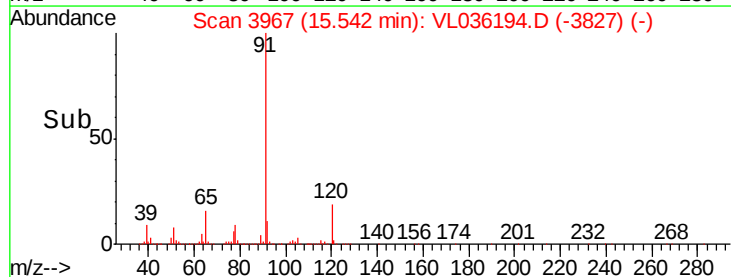
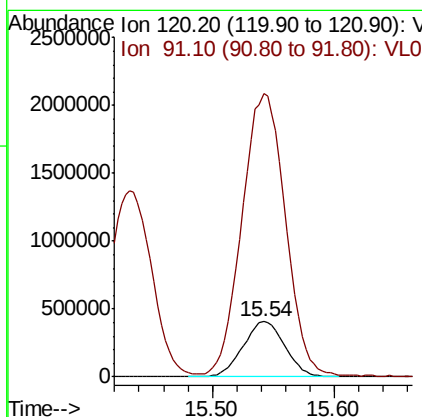
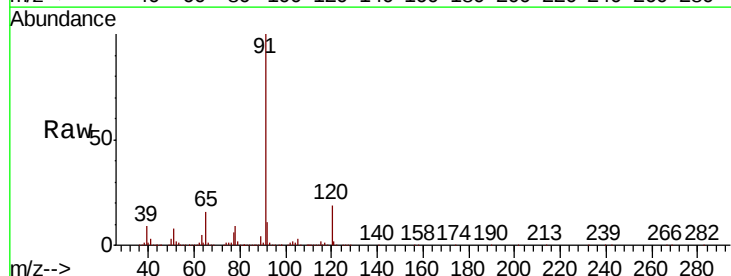
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

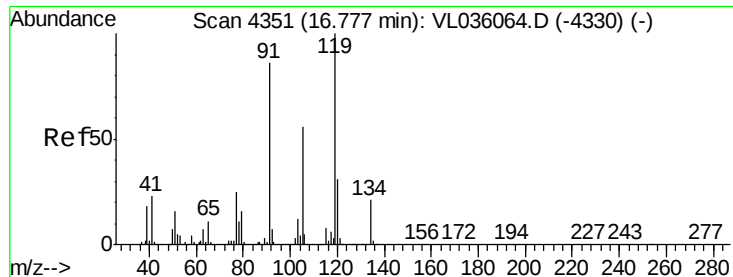
Tot Ion: 83 Resp: 1938775
 Ion Ratio Lower Upper
 83 100
 131 8.3 4.6 13.8
 85 65.2 32.5 97.5



#64
 n-propylbenzene
 Concen: 8.490 ppbv
 RT: 15.54 min Scan# 3967
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion:120 Resp: 969268
 Ion Ratio Lower Upper
 120 100
 91 533.7 388.9 583.3





#65

tert-Butylbenzene

Concen: 8.618 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

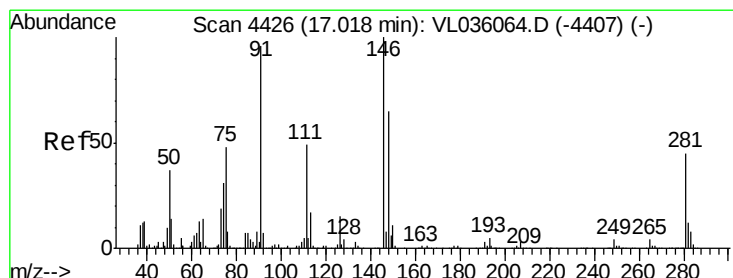
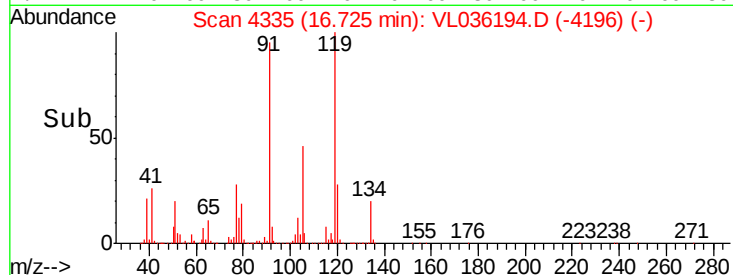
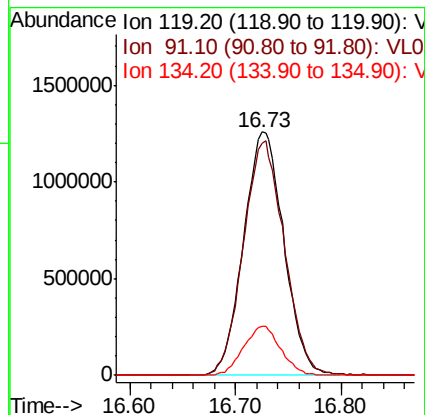
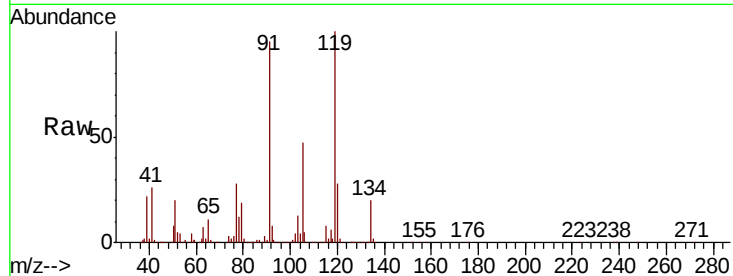
Tot Ion:119 Resp: 3347078

Ion Ratio Lower Upper

119 100

91 98.1 70.2 105.2

134 18.7 15.8 23.6



#66

Benzyl Chloride

Concen: 11.598 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

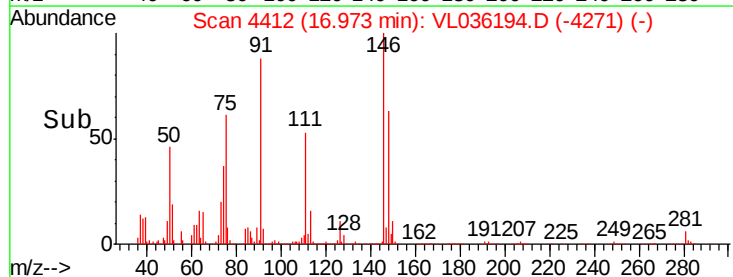
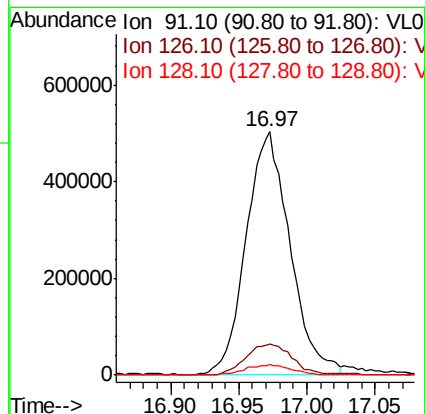
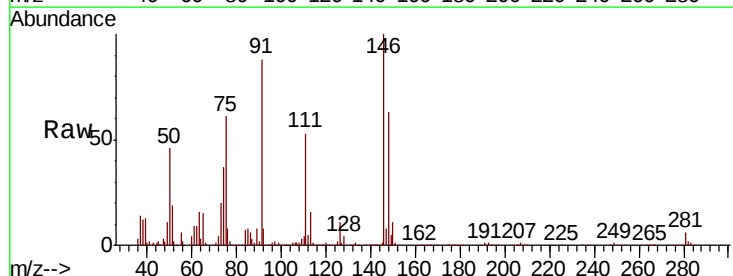
Tgt Ion: 91 Resp: 1121684

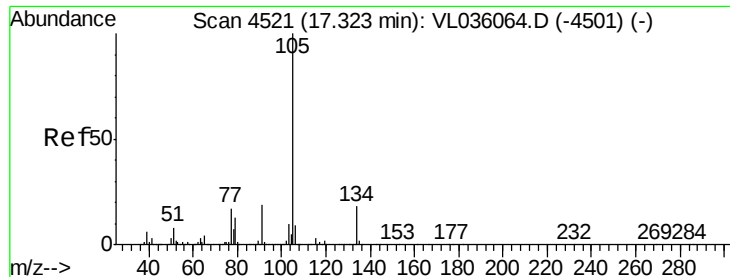
Ion Ratio Lower Upper

91 100

126 14.1 13.5 20.3

128 4.7 4.4 6.6

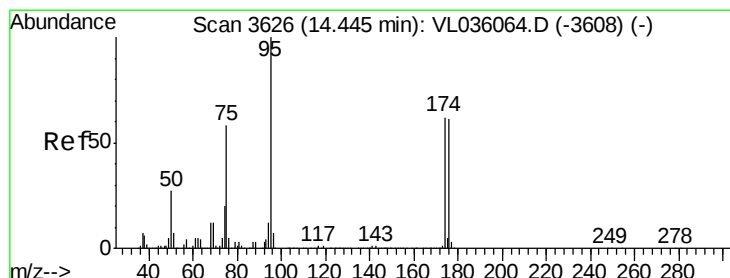
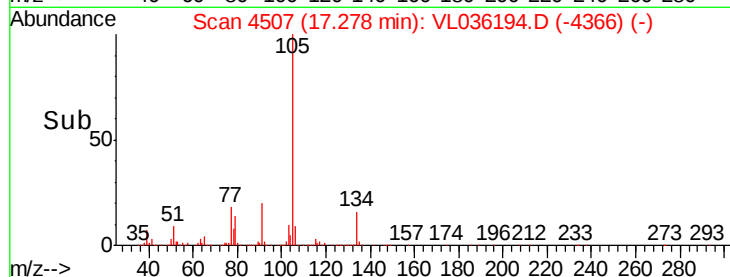
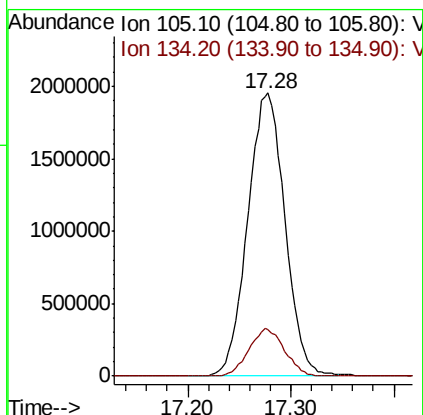
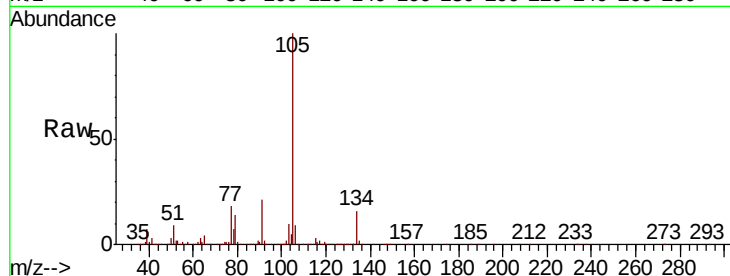




#67
 sec-Butylbenzene
 Concen: 8.990 ppbv
 RT: 17.28 min Scan# 4507
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

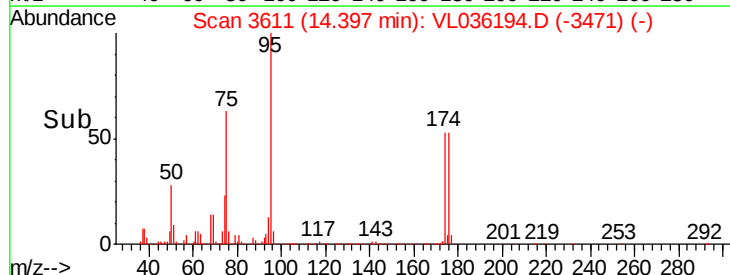
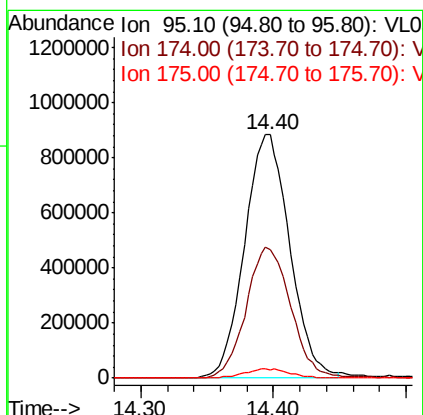
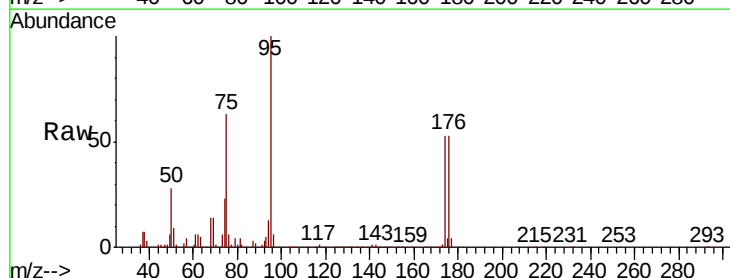
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

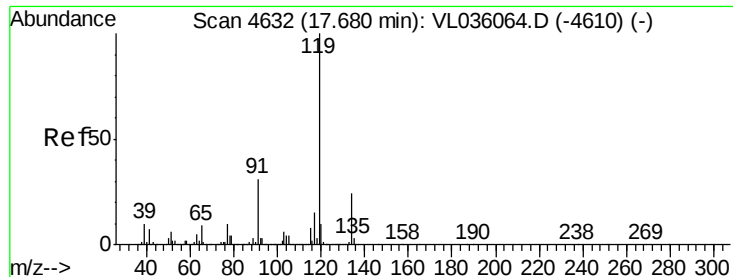
Tot Ion:105 Resp: 4886834
 Ion Ratio Lower Upper
 105 100
 134 16.2 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.959 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion: 95 Resp: 2094078
 Ion Ratio Lower Upper
 95 100
 174 53.3 50.7 76.1
 175 4.0 4.0 6.0#





#69

p-Isopropyltoluene

Concen: 8.863 ppbv

RT: 17.64 min Scan# 4618

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

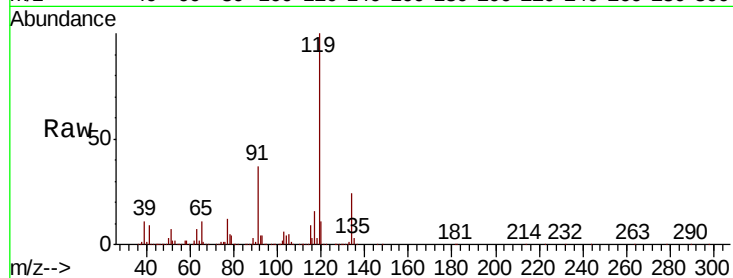
Tot Ion:119 Resp: 3831951

Ion Ratio Lower Upper

119 100

134 24.2 19.8 29.6

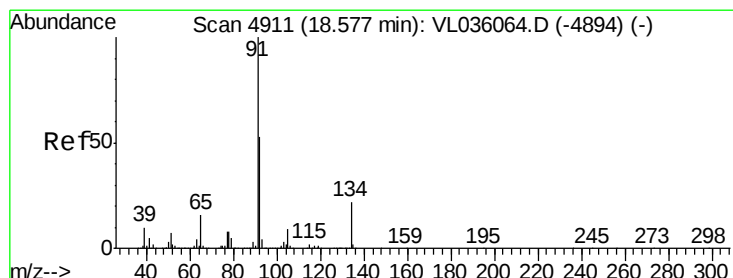
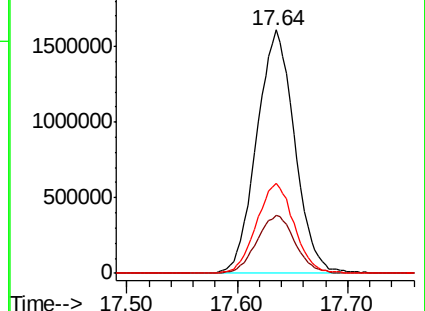
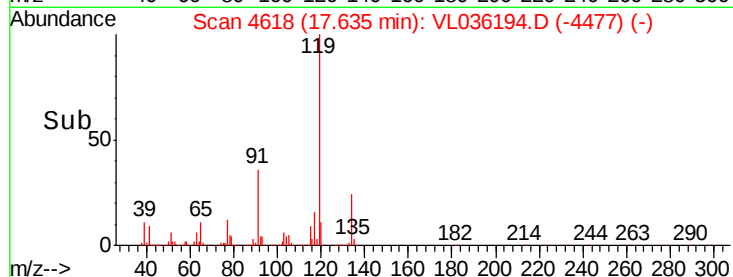
91 36.8 25.8 38.6



Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 10.220 ppbv

RT: 18.53 min Scan# 4897

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

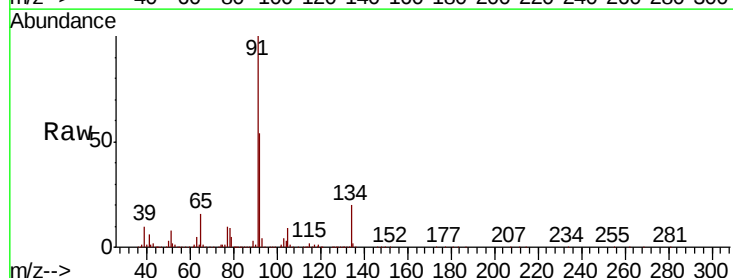
Tgt Ion: 91 Resp: 4367642

Ion Ratio Lower Upper

91 100

92 53.5 43.3 64.9

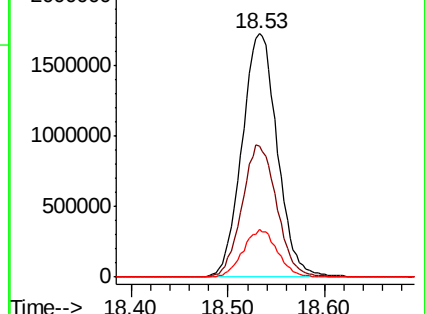
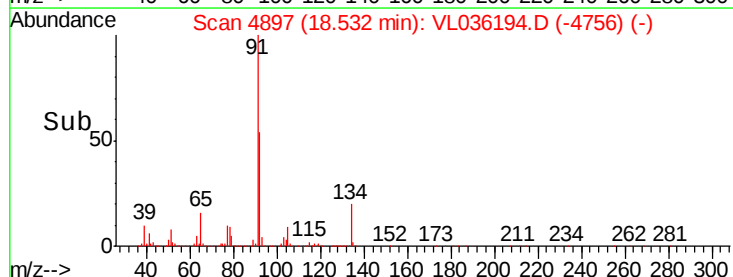
134 19.1 17.1 25.7

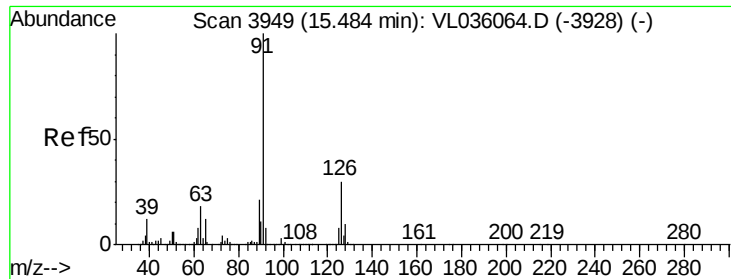


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.238 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

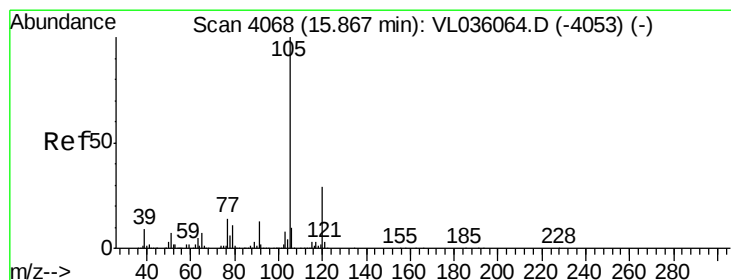
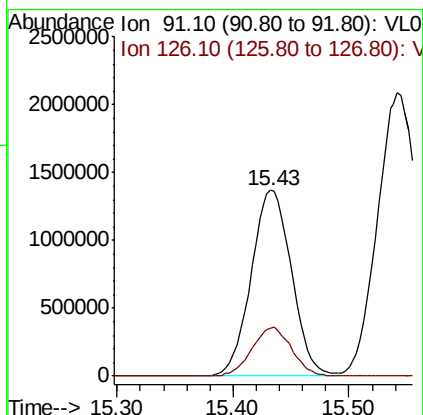
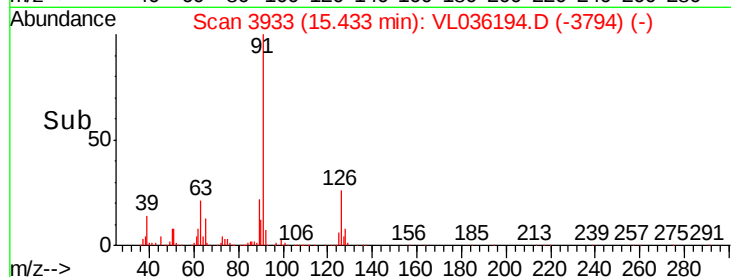
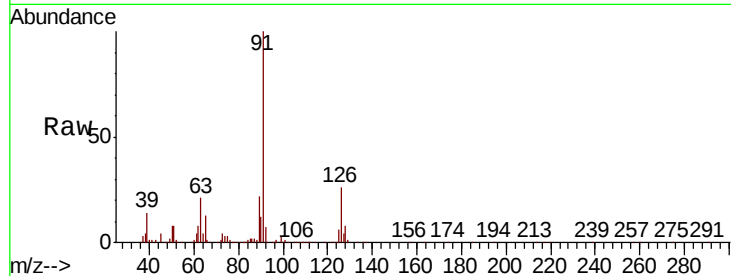
VL1223ABS01

Tot Ion: 91 Resp: 3313636

Ion Ratio Lower Upper

91 100

126 26.0 11.6 46.4



#72

4-Ethyltoluene

Concen: 8.804 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:105 Resp: 3052854

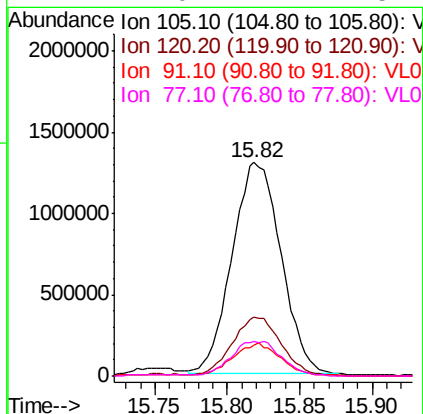
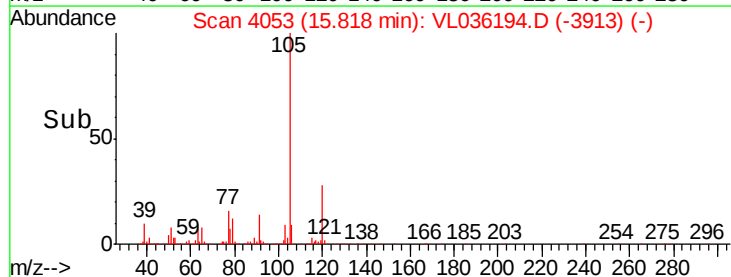
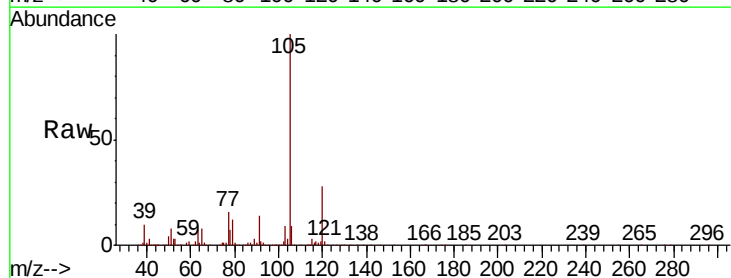
Ion Ratio Lower Upper

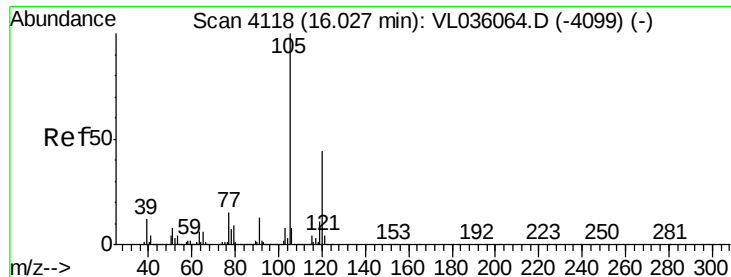
105 100

120 27.6 23.6 35.4

91 15.0 11.4 17.0

77 17.0 12.1 18.1

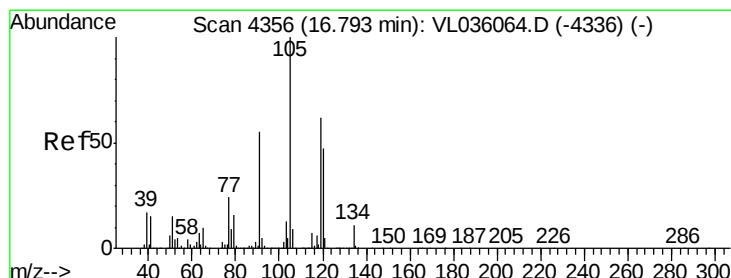
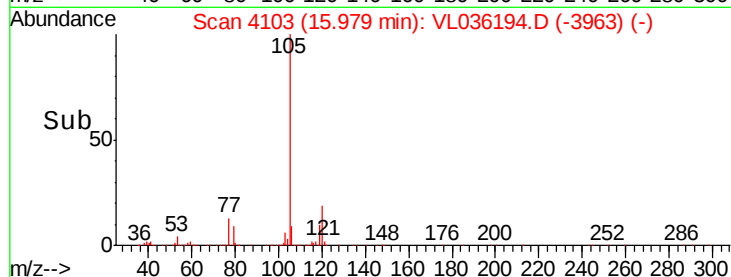
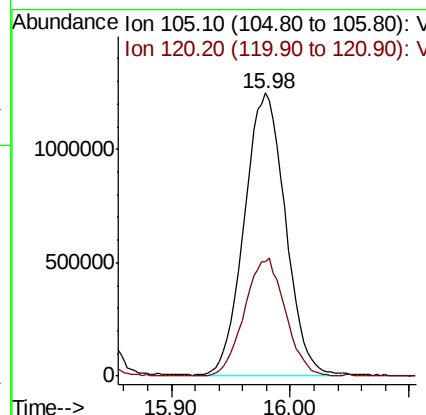
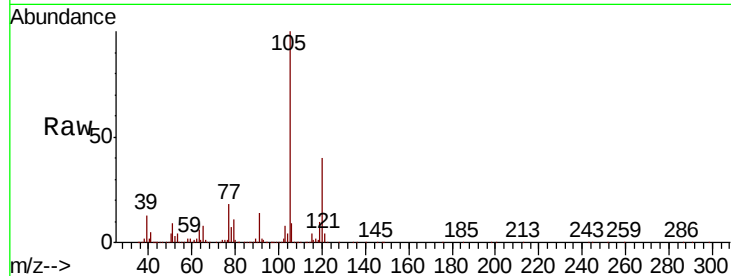




#73
 1,3,5-Trimethylbenzene
 Concen: 8.982 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

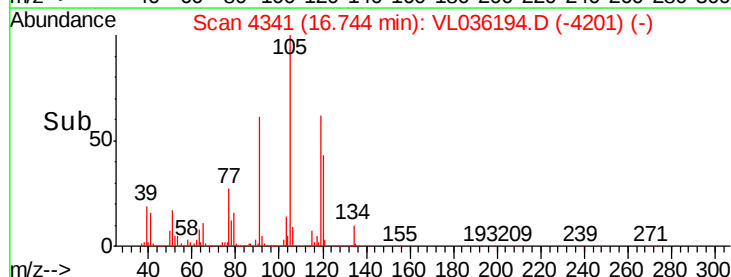
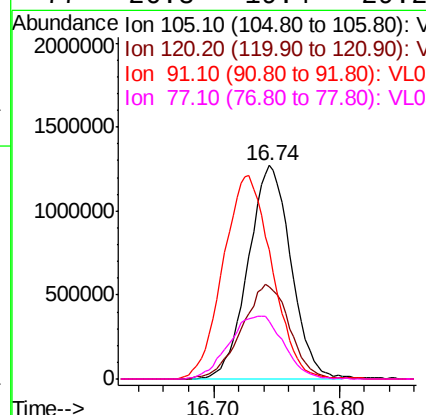
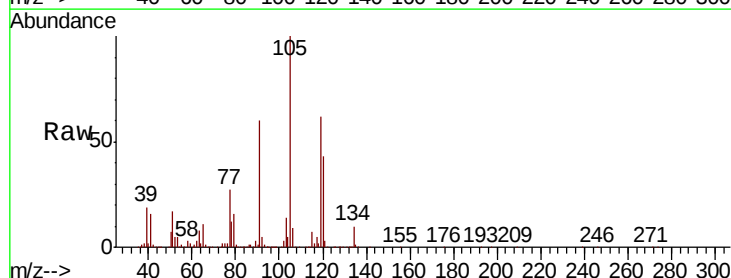
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

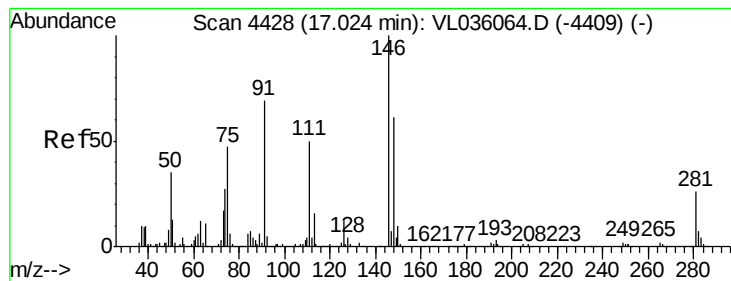
Tot Ion:105 Resp: 2974712
 Ion Ratio Lower Upper
 105 100
 120 40.3 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 9.039 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Tgt Ion:105 Resp: 3005097
 Ion Ratio Lower Upper
 105 100
 120 42.8 37.4 56.0
 91 59.9 45.6 68.4
 77 26.8 19.4 29.2





#75

1,3-Dichlorobenzene

Concen: 8.866 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

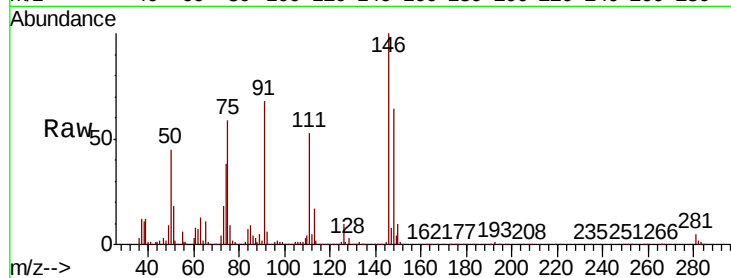
Tot Ion:146 Resp: 1475457

Ion Ratio Lower Upper

146 100

111 53.9 25.1 75.3

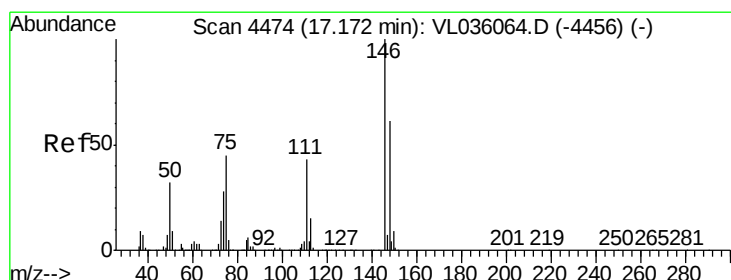
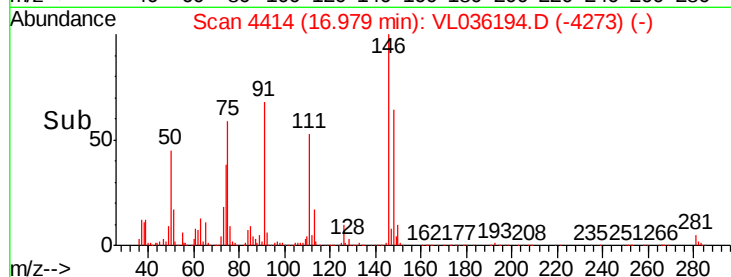
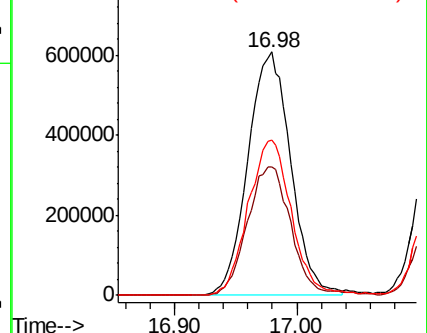
148 64.4 32.9 98.6



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



#76

1,4-Dichlorobenzene

Concen: 8.401 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

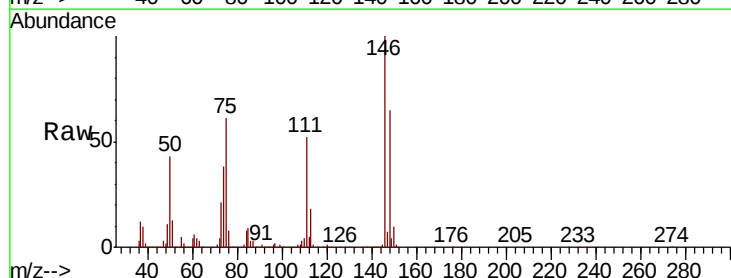
Tgt Ion:146 Resp: 1423457

Ion Ratio Lower Upper

146 100

111 53.8 24.3 72.8

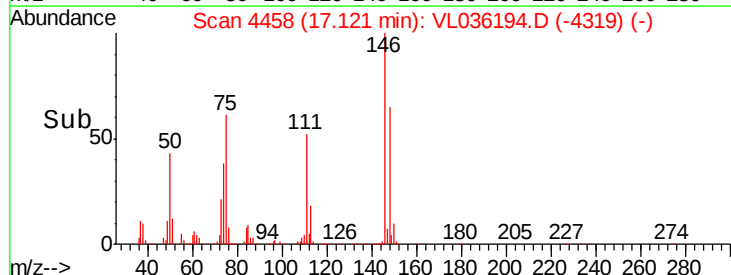
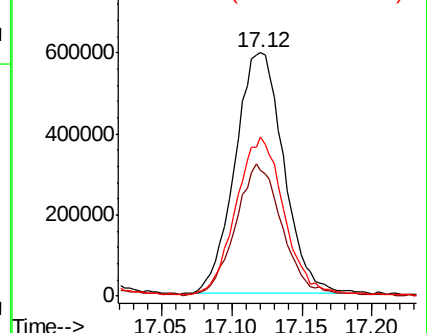
148 66.8 32.8 98.3

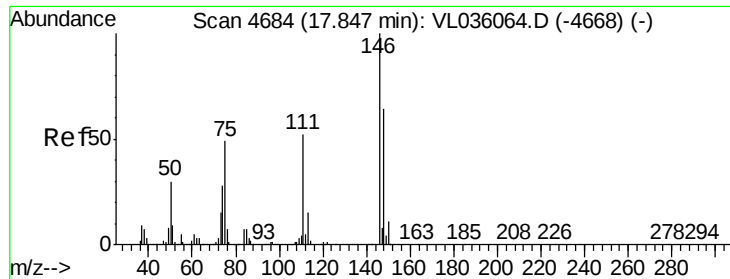


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

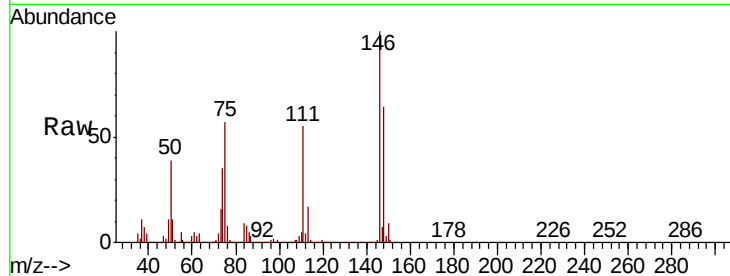




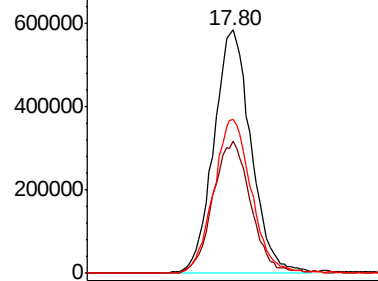
#77
 1,2-Dichlorobenzene
 Concen: 8.952 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1223ABS01

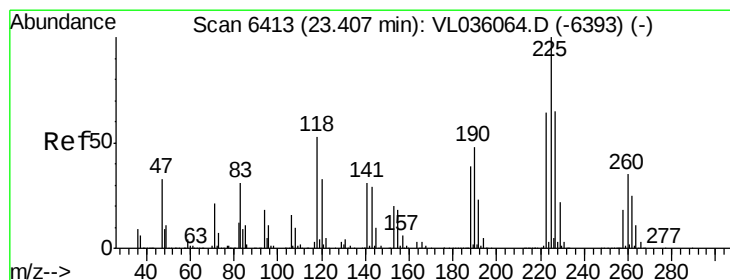
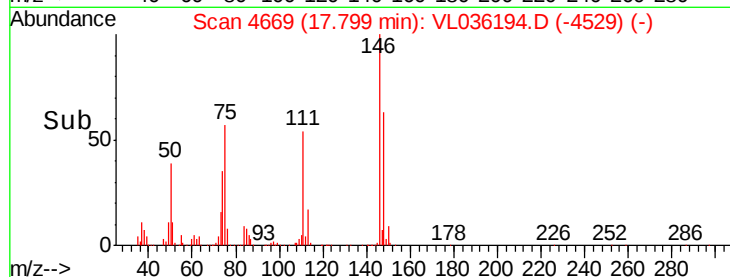
Tot Ion:146 Resp: 1422383
 Ion Ratio Lower Upper
 146 100
 111 55.7 26.1 78.2
 148 65.3 33.1 99.5



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

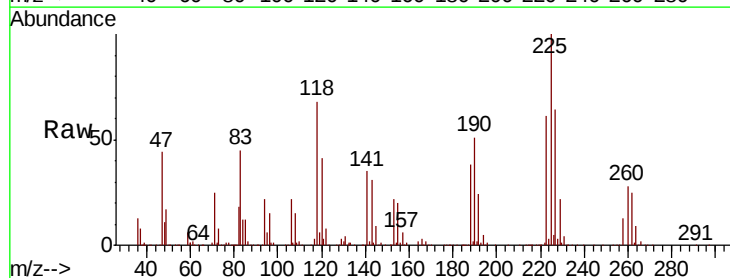


Time-->

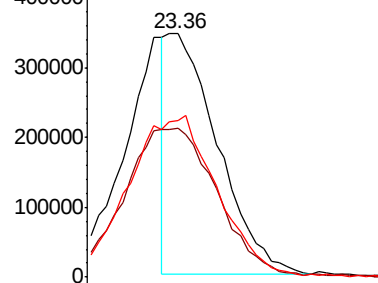


#78
 Hexachloro-1,3-Butadiene
 Concen: 3.868 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. -0.05 min
 Lab File: VL036194.D
 Acq: 23 Dec 2020 15:10

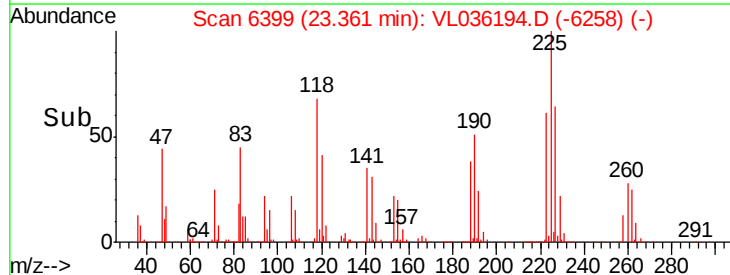
Tgt Ion:225 Resp: 492624
 Ion Ratio Lower Upper
 225 100
 223 116.6 51.1 76.7#
 227 120.6 51.7 77.5#

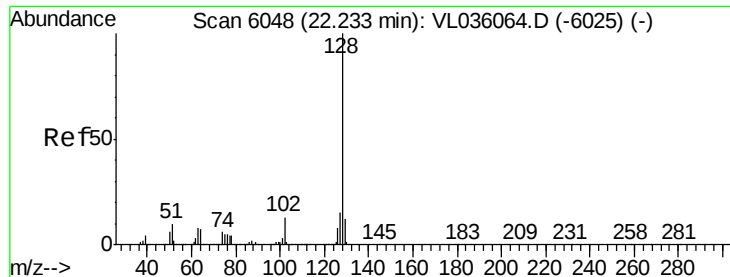


Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V



Time-->





#79

Naphthalene

Concen: 10.418 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

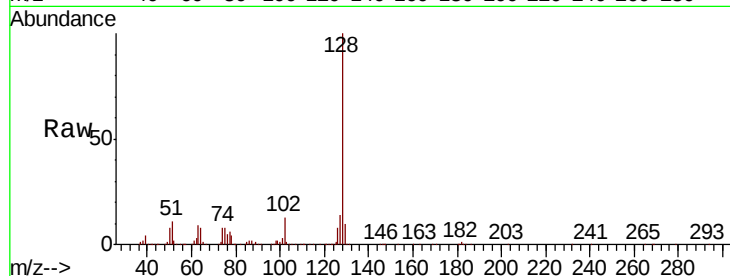
MSVOA_L

ClientSampleId :

VL1223ABS01

Tot Ion:128 Resp: 1760546

Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.7	17.5
129	10.4	9.3	13.9

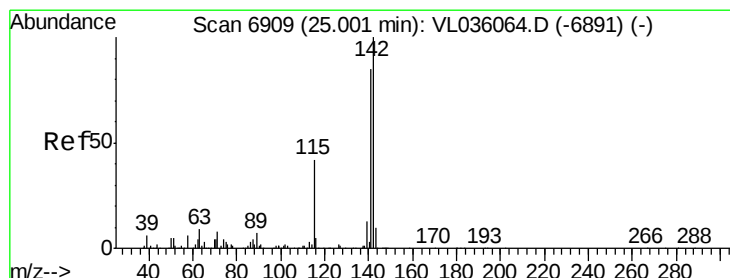
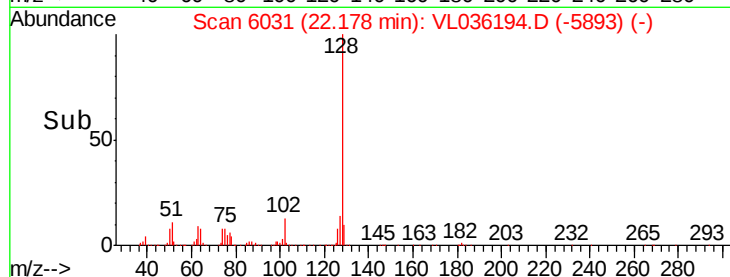
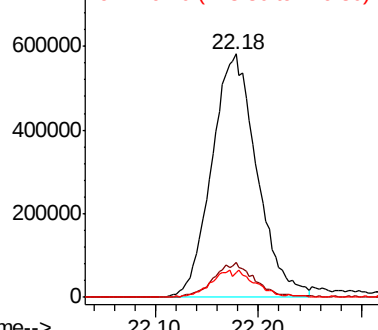


Abundance

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: 14.778 ppbv

RT: 24.96 min Scan# 6896

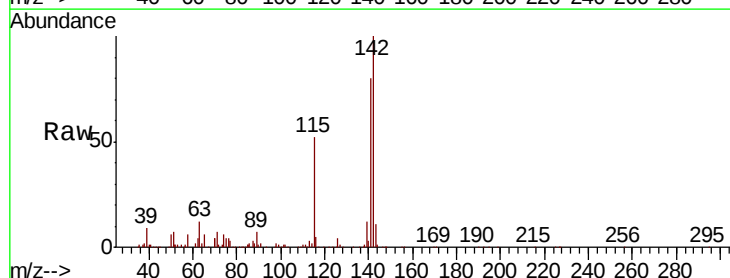
Delta R.T. -0.04 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Tgt Ion:142 Resp: 558452

Ion	Ratio	Lower	Upper
142	100		
141	78.7	64.3	96.5
115	49.0	33.9	50.9

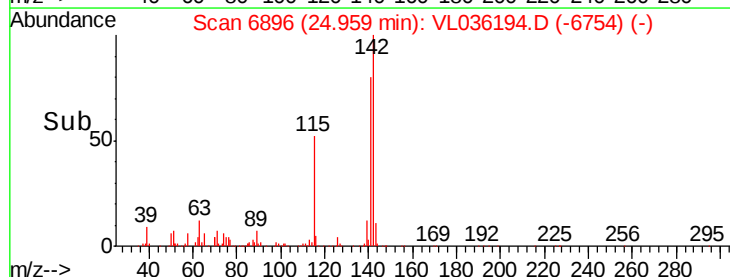
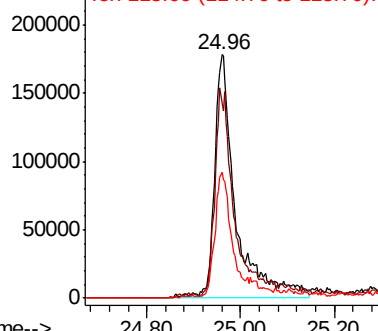


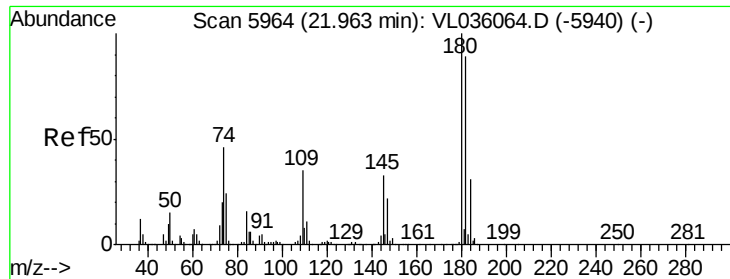
Abundance

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: 7.848 ppbv

RT: 21.91 min Scan# 5947

Delta R.T. -0.05 min

Lab File: VL036194.D

Acq: 23 Dec 2020 15:10

Instrument :

MSVOA_L

ClientSampleId :

VL1223ABS01

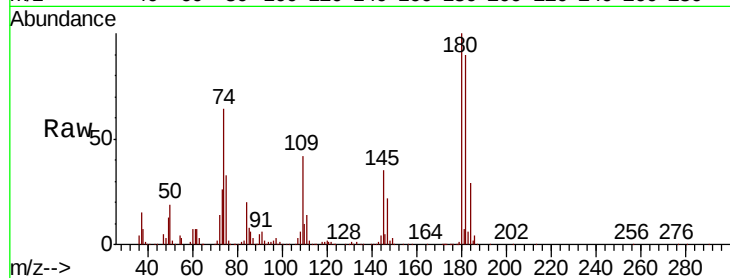
Tot Ion:180 Resp: 886117

Ion Ratio Lower Upper

180 100

182 103.4 0.0 0.0#

184 31.3 0.0 0.0#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

