

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036190.D
 Acq On : 17 Dec 2020 6:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 07:43:47 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	5.68	49	1385456	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2908639	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3466556	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2418642	8.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	1754577	10.867	ppbv	99
3) Chlorodifluoromethane	2.99	51	1653111	10.458	ppbv	98
4) Chloromethane	3.15	50	766080	9.871	ppbv	94
5) Vinyl Chloride	3.26	62	778624	9.018	ppbv	96
6) Bromomethane	3.48	94	423896	9.515	ppbv	95
7) Chloroethane	3.56	64	254905	8.667	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	1809551	10.084	ppbv	93
9) Propene	3.01	41	753588	9.517	ppbv	95
10) Heptane	8.14	43	1911548	9.452	ppbv	100
11) Trichlorofluoromethane	3.96	101	1978530	10.423	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1247716	9.678	ppbv	94
13) Ethanol	3.62	45	30296	2.775	ppbv #	1
14) Bromoethene	3.74	108	505478	9.557	ppbv	99
15) Acetone	3.86	43	1492473	8.963	ppbv	99
16) 1,3-Butadiene	3.33	39	815980	9.730	ppbv	97
17) tert-Butyl alcohol	4.30	59	1463800	9.076	ppbv	99
18) 1,1-Dichloroethene	4.30	96	546893	9.554	ppbv	96
19) Isopropyl Alcohol	3.98	45	951900	9.353	ppbv #	100
20) Methylene Chloride	4.35	84	465985	6.829	ppbv	99
21) Allyl Chloride	4.42	41	1008538	9.109	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	521191	9.095	ppbv	98
23) Vinyl Acetate	5.09	43	2143437	9.669	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1487336	9.539	ppbv	98
25) Ethyl Acetate	5.69	43	3250298	9.771	ppbv	100
26) Hexane	5.70	57	1335692	8.922	ppbv	99
27) Carbon Disulfide	4.56	76	1335504	8.976	ppbv	95
28) Methyl tert-Butyl Ether	5.04	73	1949833	9.161	ppbv	98
29) Chloroform	5.77	83	2065816	10.508	ppbv	97
30) Cyclohexane	7.15	84	1049925	9.547	ppbv	96
31) cis-1,2-Dichloroethene	5.56	61	1403342	10.312	ppbv	93
32) 1,1,1-Trichloroethane	6.53	97	2001150	9.864	ppbv	97
34) 2-Butanone	5.26	43	2017791	10.458	ppbv	100
35) Carbon Tetrachloride	7.04	117	1898617	11.194	ppbv	97
36) Benzene	6.91	78	2632475	10.679	ppbv	97
37) 1,2-Dichloroethane	6.33	62	1747144	12.232	ppbv	97
38) Trichloroethene	7.85	130	810830	8.799	ppbv	89
39) 1,2-Dichloropropane	7.64	63	1071644	11.008	ppbv	90
40) 1,4-Dioxane	7.85	88	311805	10.184	ppbv #	29
41) Tetrahydrofuran	6.07	42	1214403	10.595	ppbv	99
42) Bromodichloromethane	7.81	83	2238768	11.762	ppbv	98
43) Methyl Methacrylate	8.03	69	1208676	11.430	ppbv	99

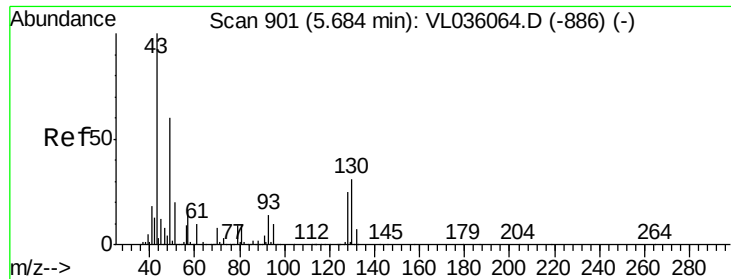
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036190.D
 Acq On : 17 Dec 2020 6:21
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 07:43:47 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)
44) 2,2,4-Trimethylpentane	7.89	57	4686822	10.499	ppbv	98
45) t-1,3-Dichloropropene	9.30	75	1274126	11.728	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1518355	11.150	ppbv	94
47) 1,1,2-Trichloroethane	9.50	97	1019420	10.885	ppbv	98
48) Dibromochloromethane	10.33	129	1580033	11.172	ppbv	99
49) Bromoform	13.07	173	1275513	11.459	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	3221989	11.198	ppbv	99
51) 2-Hexanone	10.16	43	1453207	6.461	ppbv #	49
52) Tetrachloroethene	11.25	164	791252	8.867	ppbv	95
53) Toluene	9.83	91	2931119	10.589	ppbv	100
54) 1,2-Dibromoethane	10.64	107	1504072	10.714	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.15	131	1195515	8.317	ppbv	96
57) Chlorobenzene	12.17	112	1988688	8.172	ppbv	97
58) Ethyl Benzene	12.73	91	4033919	8.491	ppbv	97
59) m/p-Xylene	13.02	91	4041543	10.101	ppbv #	59
60) o-Xylene	13.72	91	3208185	8.510	ppbv	97
61) Styrene	13.55	104	2166991	8.953	ppbv	95
62) Isopropylbenzene	14.69	105	4606013	8.242	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2201097	8.669	ppbv	100
64) n-propylbenzene	15.59	120	1119241	8.325	ppbv	85
65) tert-Butylbenzene	16.77	119	3841071	8.398	ppbv	92
66) Benzyl Chloride	17.02	91	1188658	10.437	ppbv	93
67) sec-Butylbenzene	17.32	105	5603094	8.753	ppbv	98
69) p-Isopropyltoluene	17.68	119	4403266	8.648	ppbv	96
70) n-Butylbenzene	18.58	91	4941143	9.818	ppbv	99
71) 2-Chlorotoluene	15.48	91	3757693	8.896	ppbv	96
72) 4-Ethyltoluene	15.87	105	3588231	8.787	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	3399927	8.717	ppbv	98
74) 1,2,4-Trimethylbenzene	16.79	105	3473886	8.873	ppbv	96
75) 1,3-Dichlorobenzene	17.02	146	1688429	8.616	ppbv	98
76) 1,4-Dichlorobenzene	17.17	146	1642489	8.232	ppbv	95
77) 1,2-Dichlorobenzene	17.85	146	1608665	8.597	ppbv	97
78) Hexachloro-1,3-Butadiene	23.40	225	1031414	6.877	ppbv	100
79) Naphthalene	22.23	128	1987386	9.986	ppbv	98
80) Naphthalene, 2-methyl-	25.00	142	543743	12.219	ppbv	97
81) 1,2,4-Trichlorobenzene	21.96	180	469260	3.529	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

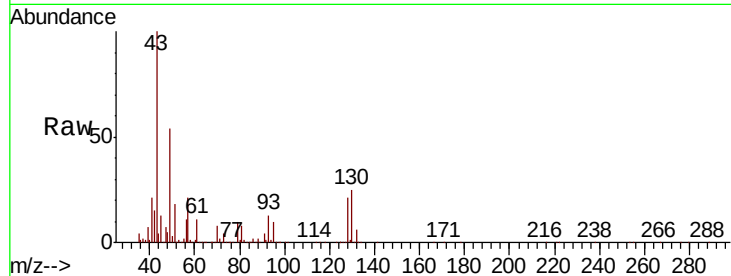
Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1385456

Ion	Ratio	Lower	Upper
49	100		
128	36.9	21.1	63.1
130	46.9	27.1	81.3



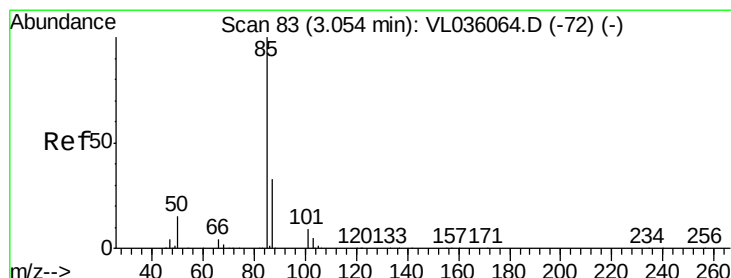
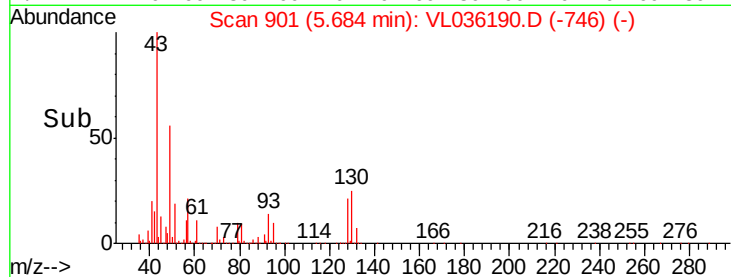
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.68

Time-->



#2

Dichlorodifluoromethane

Concen: 10.867 ppbv

RT: 3.05 min Scan# 82

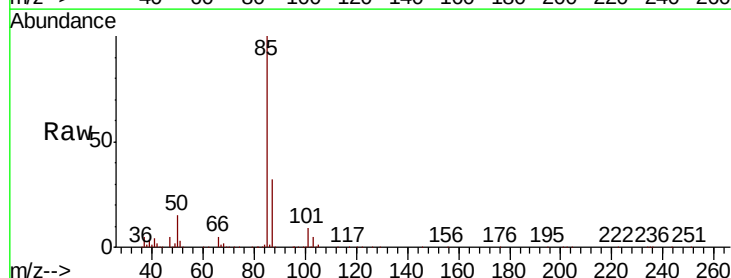
Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Tgt Ion: 85 Resp: 1754577

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.5	39.7

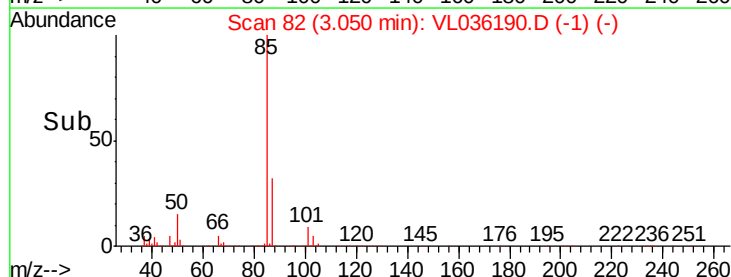


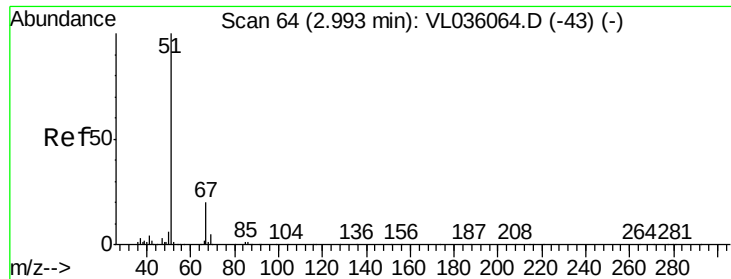
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->

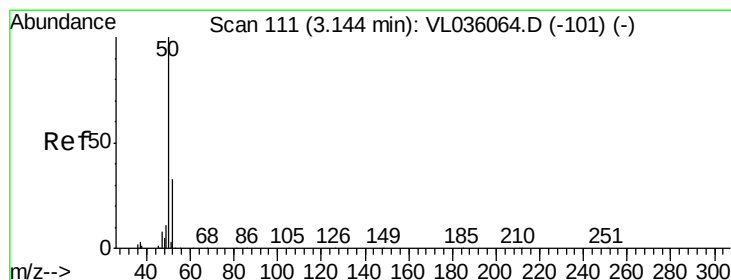
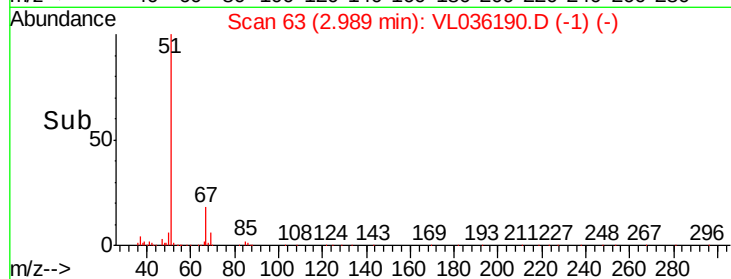
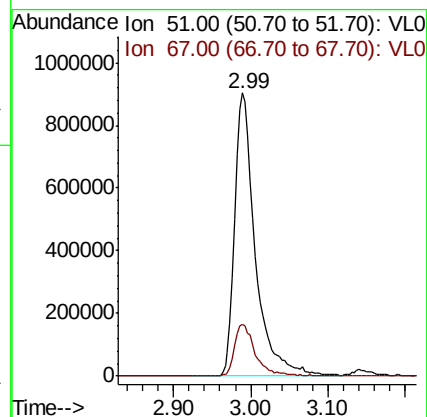
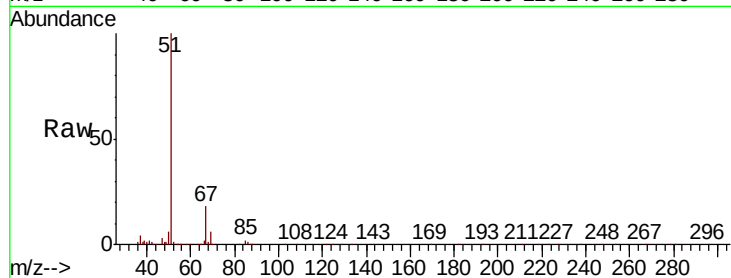




#3
Chlorodifluoromethane
Concen: 10.458 ppbv
RT: 2.99 min Scan# 63
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

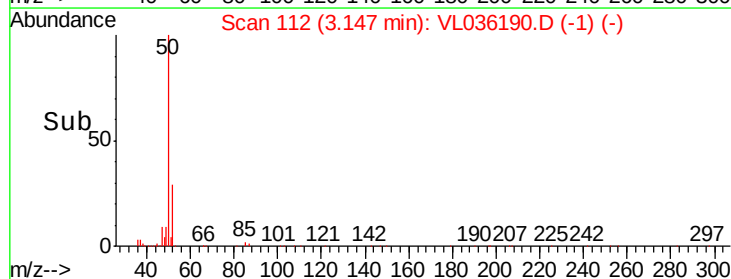
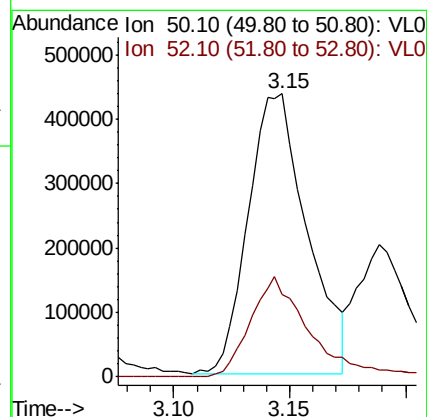
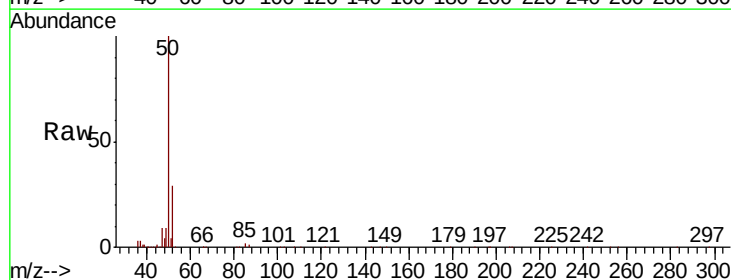
Instrument :
MSVOA_L
ClientSampleId :

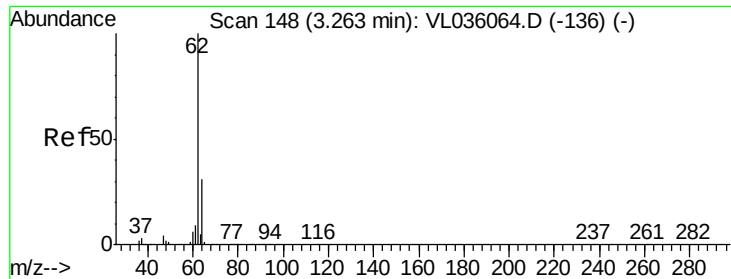
Tot Ion: 51 Resp: 1653111
Ion Ratio Lower Upper
51 100
67 18.8 14.3 21.5



#4
Chloromethane
Concen: 9.871 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion: 50 Resp: 766080
Ion Ratio Lower Upper
50 100
52 29.4 26.1 39.1





#5

Vinyl Chloride

Concen: 9.018 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

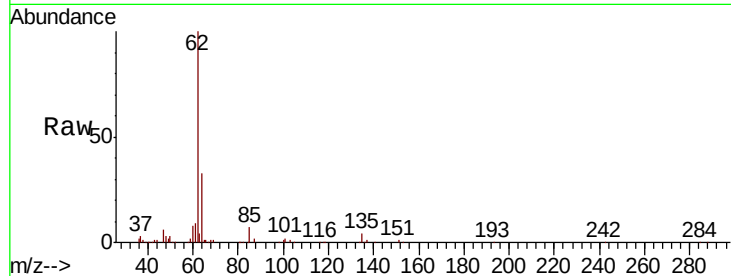
ClientSampleId :

Tot Ion: 62 Resp: 778624

Ion Ratio Lower Upper

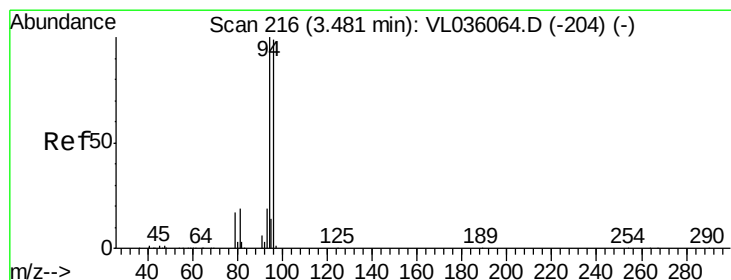
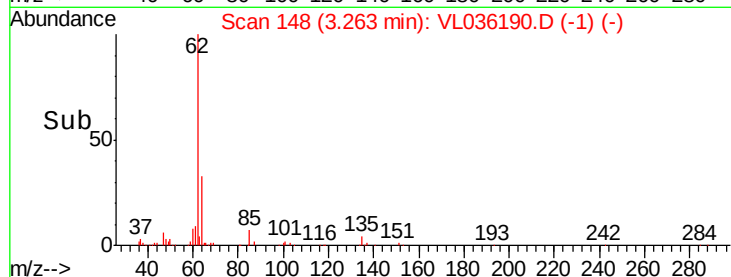
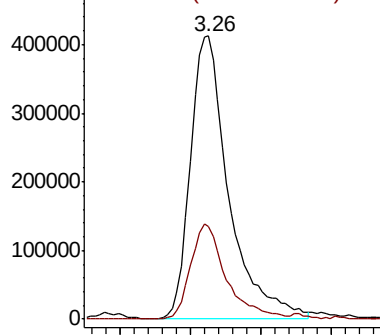
62 100

64 33.0 24.5 36.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.515 ppbv

RT: 3.48 min Scan# 215

Delta R.T. -0.00 min

Lab File: VL036190.D

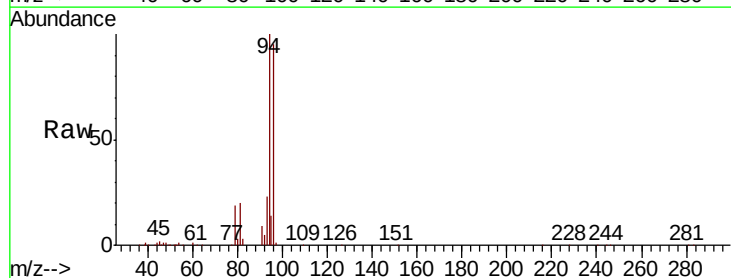
Acq: 17 Dec 2020 6:21

Tgt Ion: 94 Resp: 423896

Ion Ratio Lower Upper

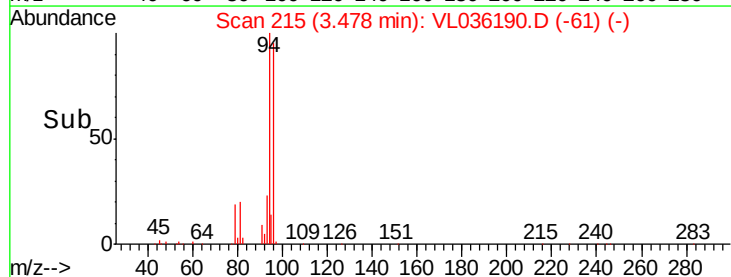
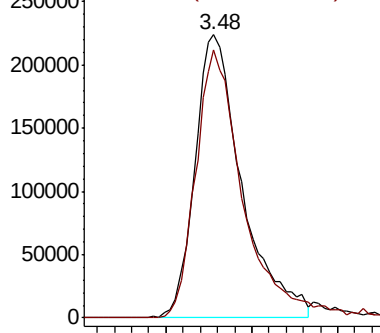
94 100

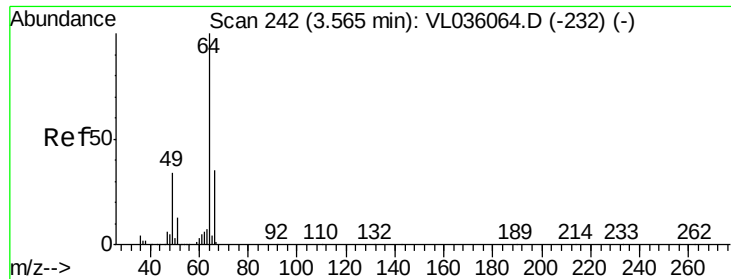
96 94.5 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.667 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

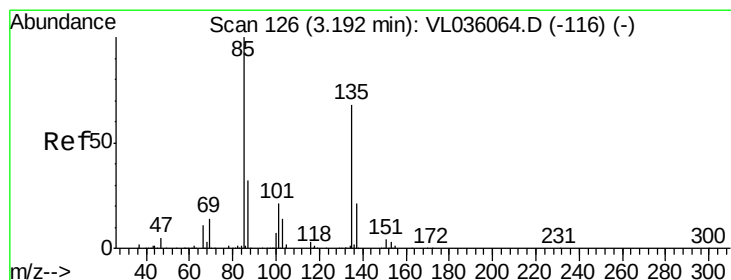
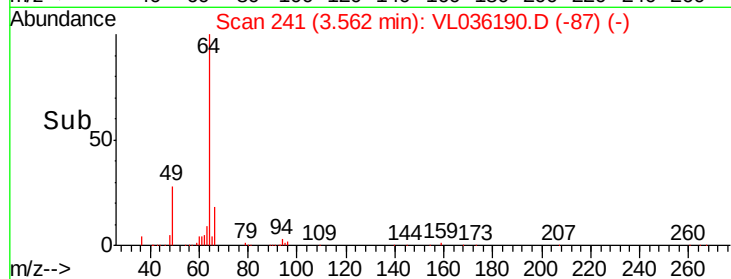
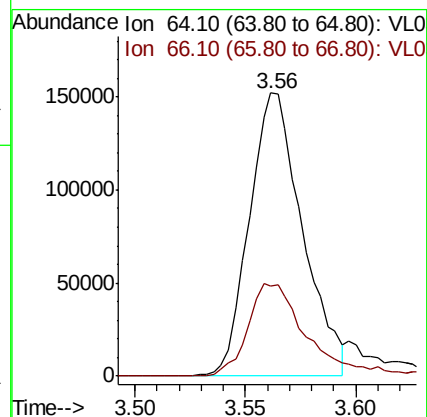
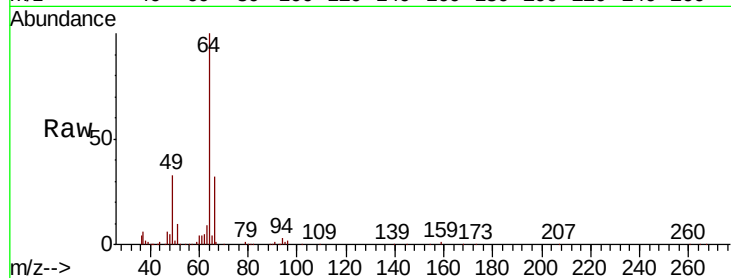
ClientSampleId :

Tot Ion: 64 Resp: 254905

Ion Ratio Lower Upper

64 100

66 31.7 27.7 41.5



#8

Dichlorotetrafluoroethane

Concen: 10.084 ppbv

RT: 3.19 min Scan# 126

Delta R.T. -0.00 min

Lab File: VL036190.D

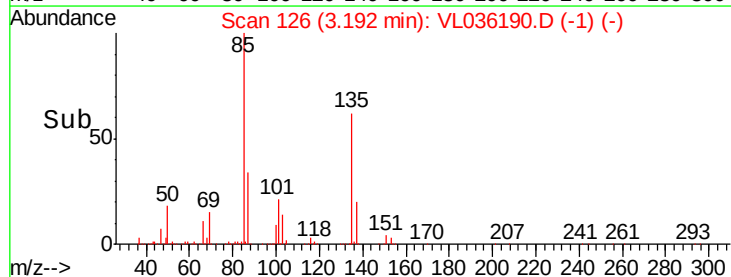
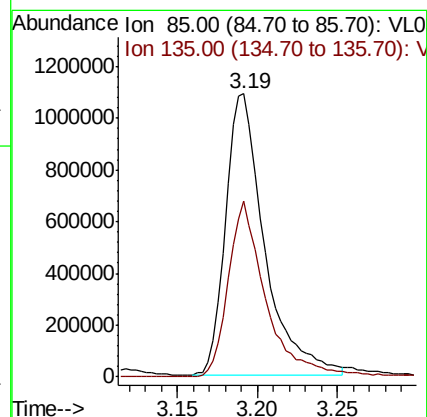
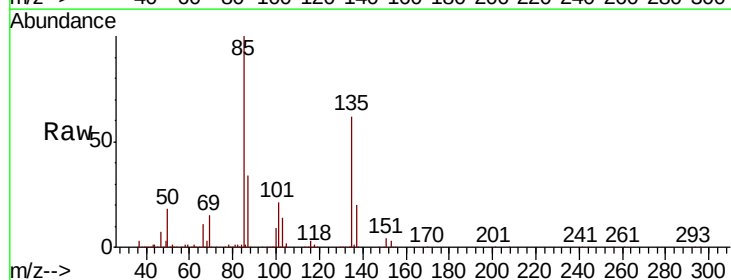
Acq: 17 Dec 2020 6:21

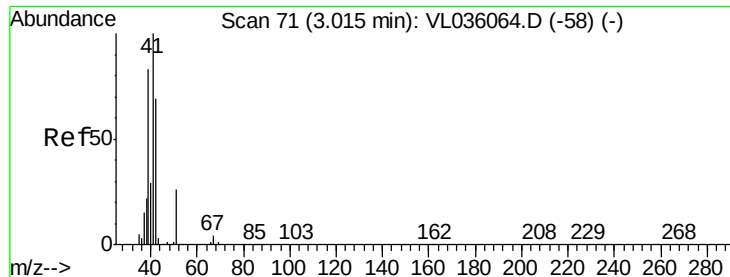
Tgt Ion: 85 Resp: 1809551

Ion Ratio Lower Upper

85 100

135 61.3 53.8 80.8





#9

Propene

Concen: 9.517 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

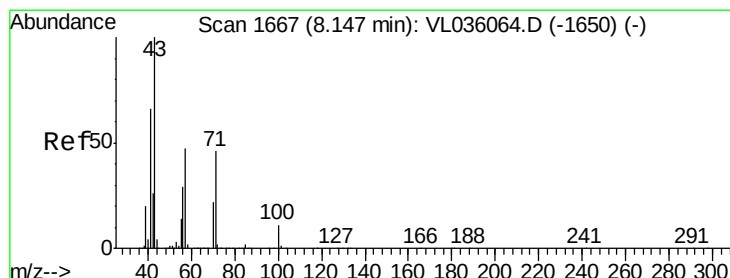
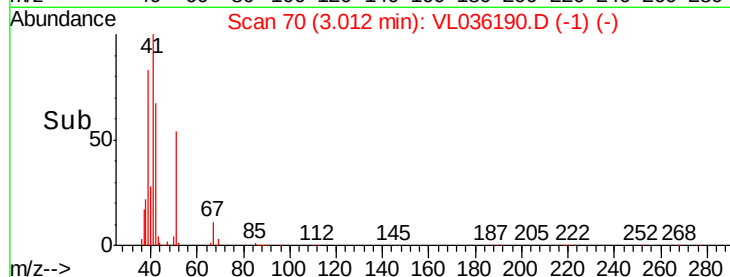
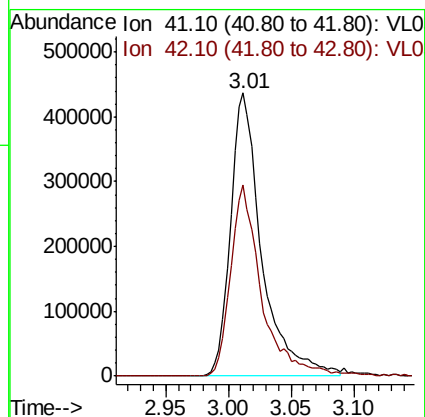
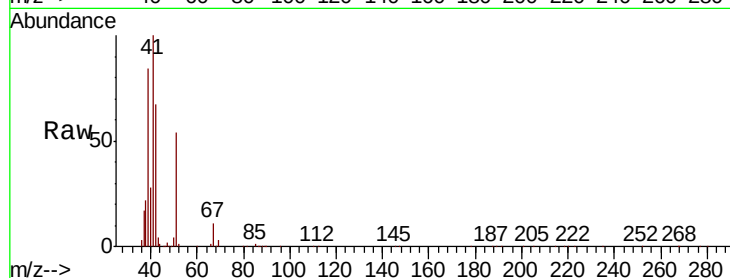
ClientSampleId :

Tot Ion: 41 Resp: 753588

Ion Ratio Lower Upper

41 100

42 67.4 57.0 85.6



#10

Heptane

Concen: 9.452 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. -0.01 min

Lab File: VL036190.D

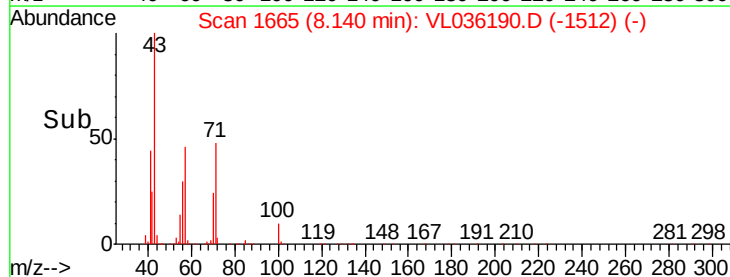
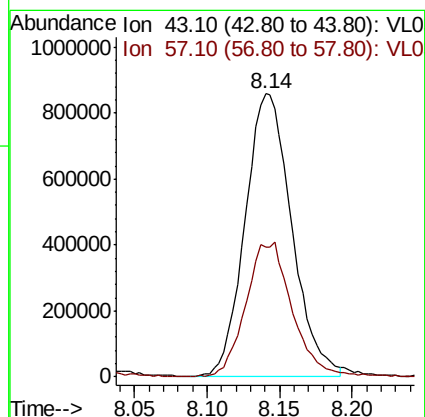
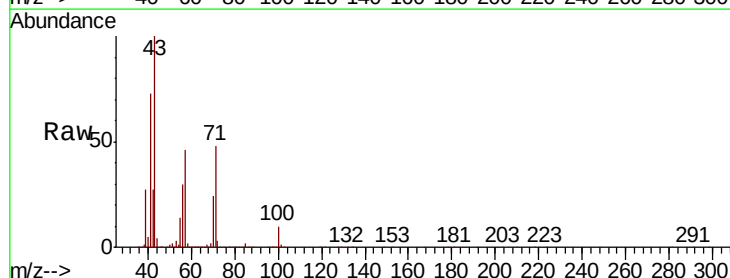
Acq: 17 Dec 2020 6:21

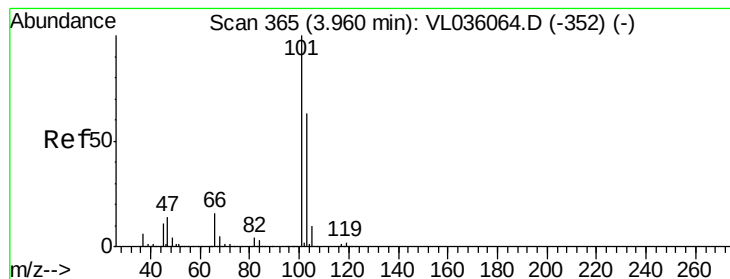
Tgt Ion: 43 Resp: 1911548

Ion Ratio Lower Upper

43 100

57 47.4 37.9 56.9





#11

Trichlorofluoromethane

Concen: 10.423 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

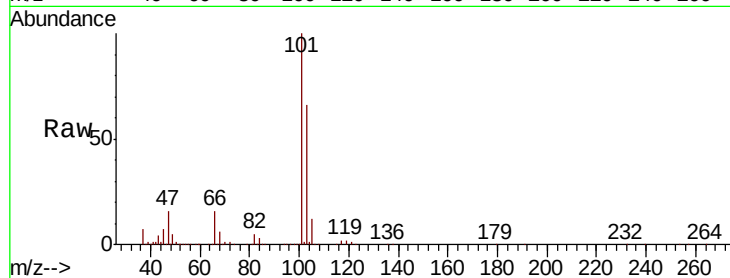
ClientSampled :

Tot Ion:101 Resp: 1978530

Ion Ratio Lower Upper

101 100

103 66.5 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1200000

1000000

800000

600000

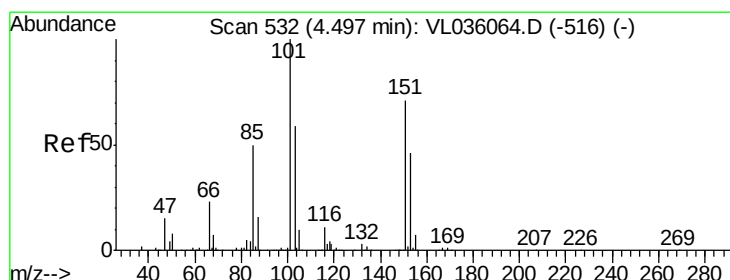
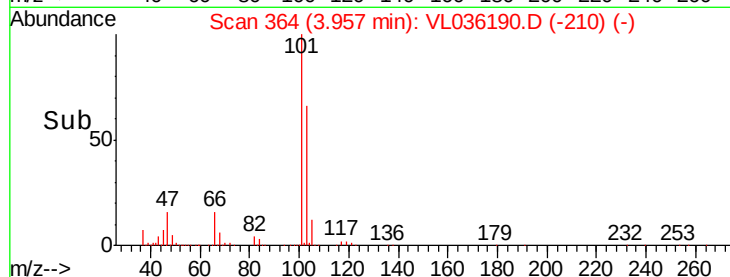
400000

200000

0

3.90 3.95 4.00 4.05

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.678 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL036190.D

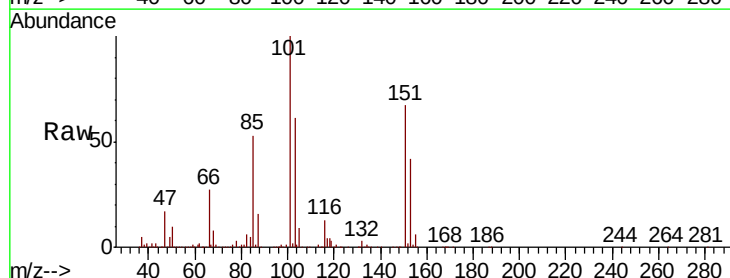
Acq: 17 Dec 2020 6:21

Tgt Ion:101 Resp: 1247716

Ion Ratio Lower Upper

101 100

151 69.3 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

600000

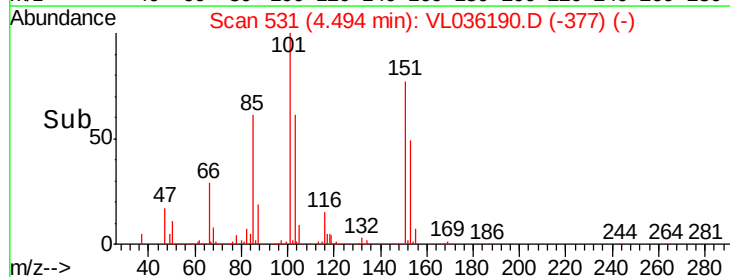
400000

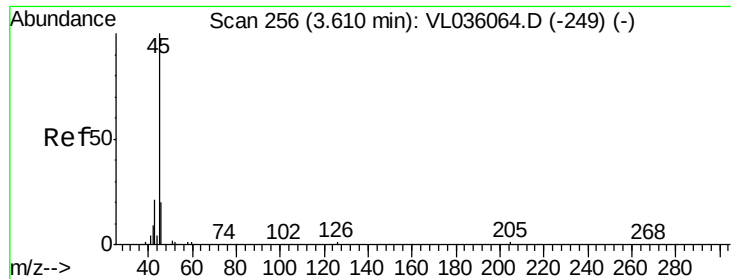
200000

0

4.40 4.45 4.50 4.55 4.60

Time-->

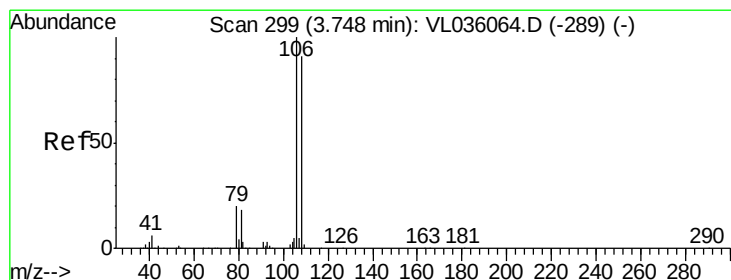
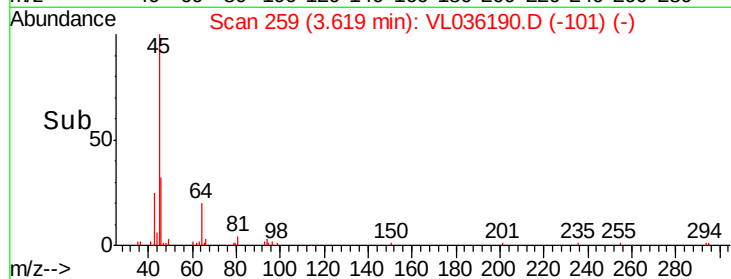
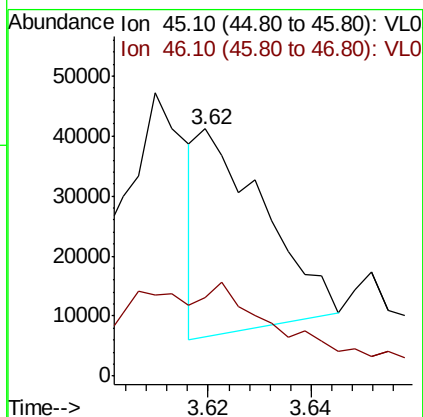
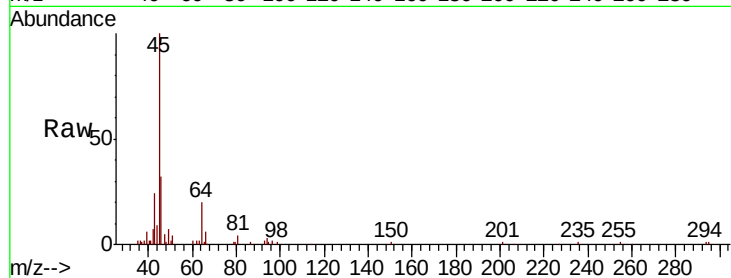




#13
Ethanol
Concen: 2.775 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

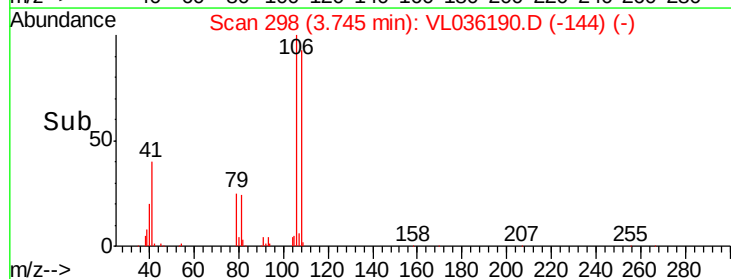
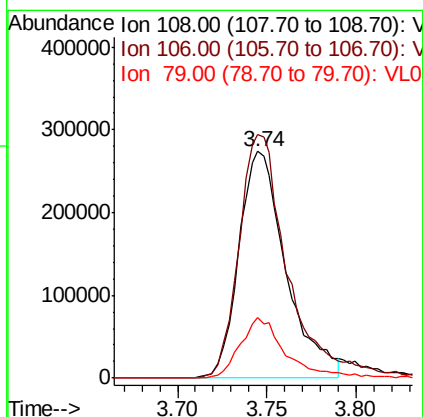
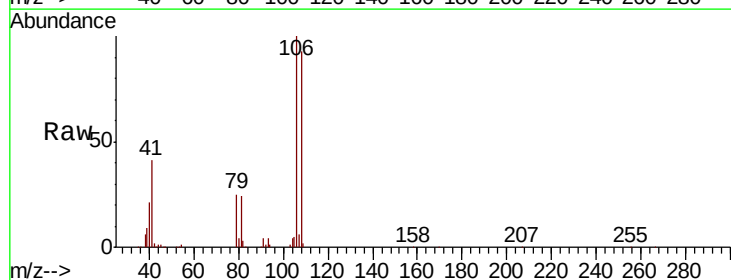
Instrument :
MSVOA_L
ClientSampleId :

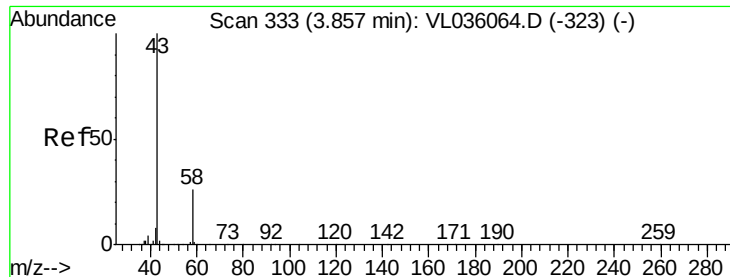
Tot Ion: 45 Resp: 30296
Ion Ratio Lower Upper
45 100
46 133.6 19.0 75.8#



#14
Bromoethene
Concen: 9.557 ppbv
RT: 3.74 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion: 108 Resp: 505478
Ion Ratio Lower Upper
108 100
106 113.7 91.0 136.4
79 26.2 19.3 28.9





#15

Acetone

Concen: 8.963 ppbv

RT: 3.86 min Scan# 333

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

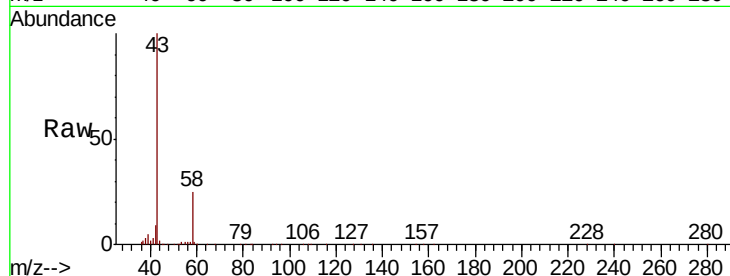
ClientSampleId :

Tot Ion: 43 Resp: 1492473

Ion Ratio Lower Upper

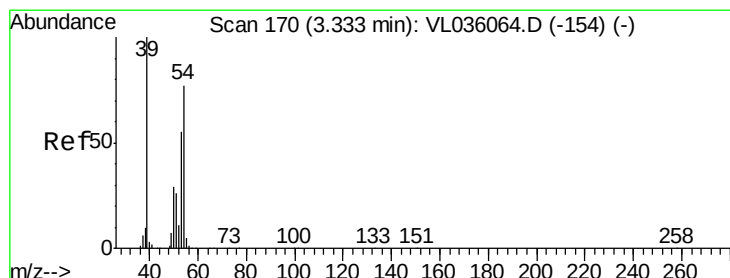
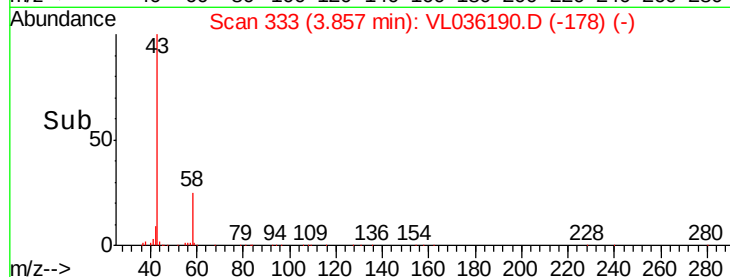
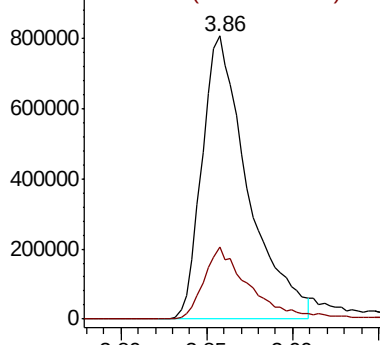
43 100

58 25.5 20.9 31.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.730 ppbv

RT: 3.33 min Scan# 169

Delta R.T. -0.00 min

Lab File: VL036190.D

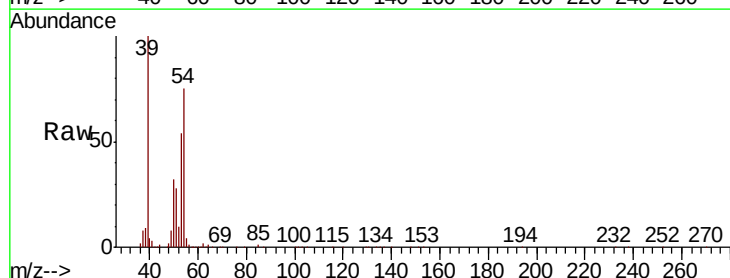
Acq: 17 Dec 2020 6:21

Tgt Ion: 39 Resp: 815980

Ion Ratio Lower Upper

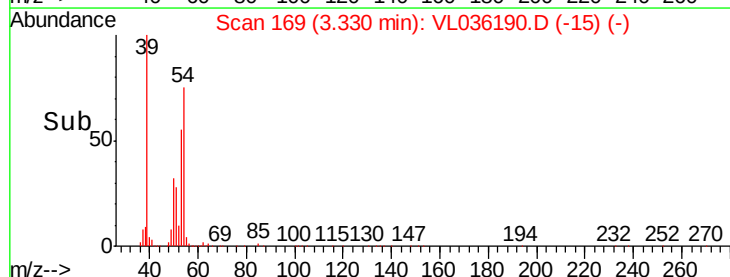
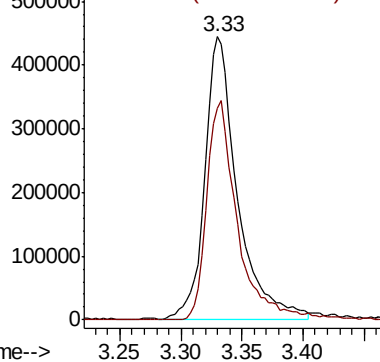
39 100

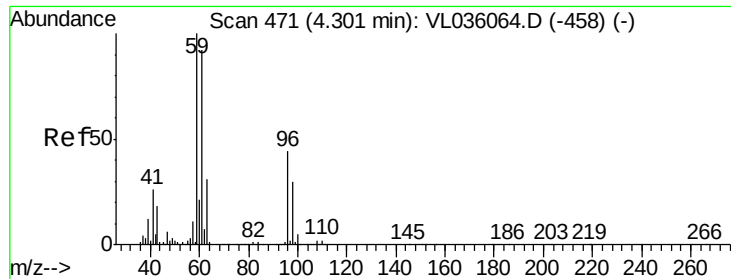
54 74.7 62.1 93.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

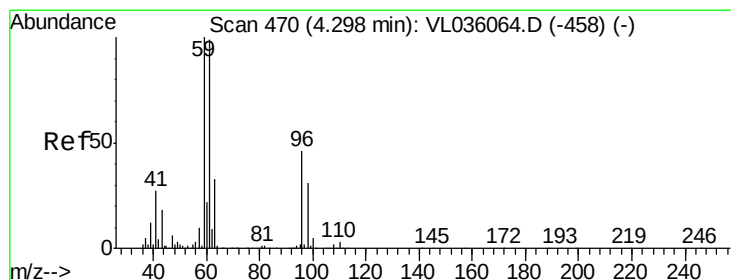
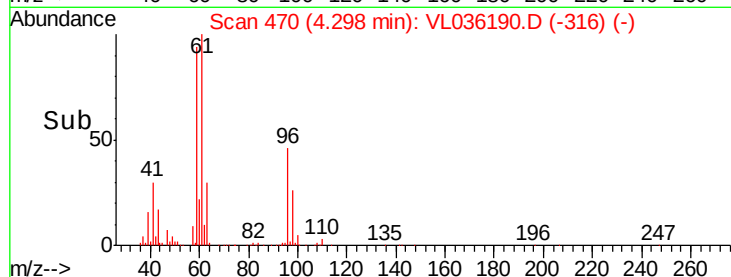
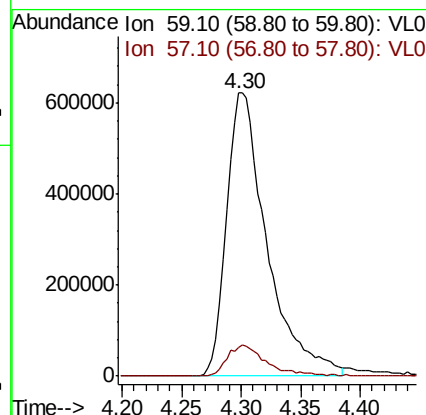
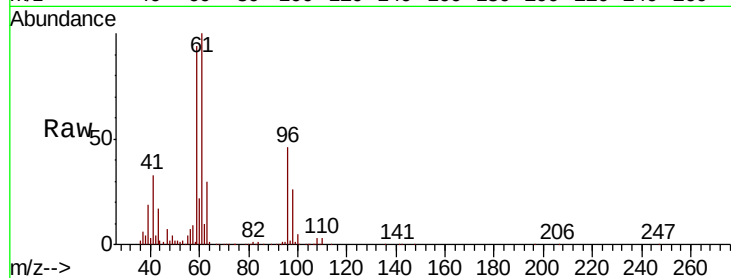




#17
tert-Butyl alcohol
Concen: 9.076 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

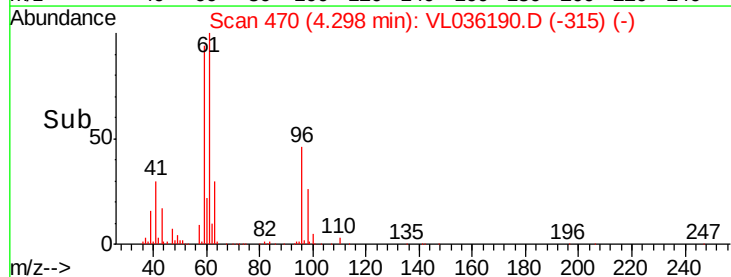
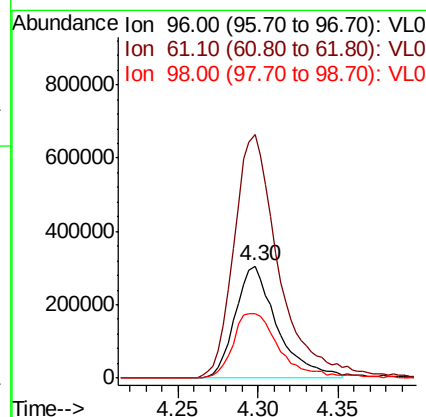
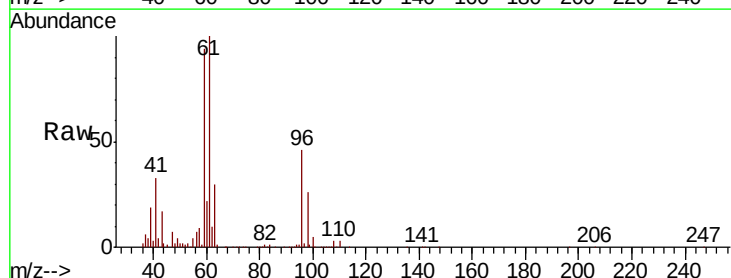
Instrument :
MSVOA_L
ClientSampleId :

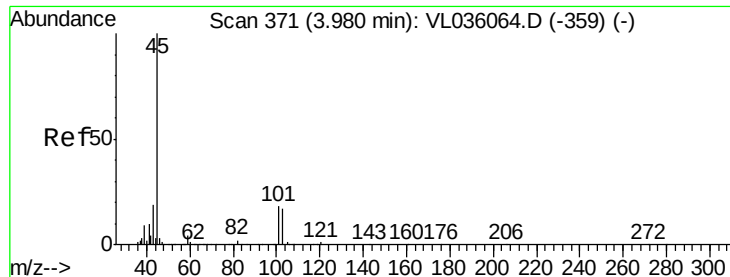
Tot Ion: 59 Resp: 1463800
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1



#18
1,1-Dichloroethene
Concen: 9.554 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion: 96 Resp: 546893
Ion Ratio Lower Upper
96 100
61 216.8 171.4 257.2
98 57.0 54.2 81.2





#19

Isopropyl Alcohol

Concen: 9.353 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

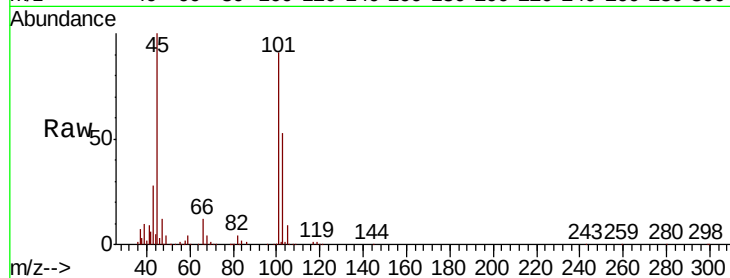
ClientSampleId :

Tot Ion: 45 Resp: 951900

Ion Ratio Lower Upper

45 100

58 2.1 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

300000

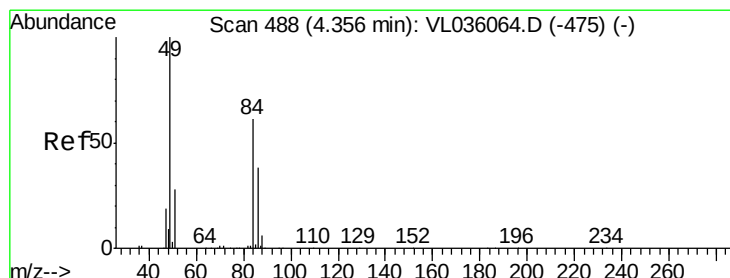
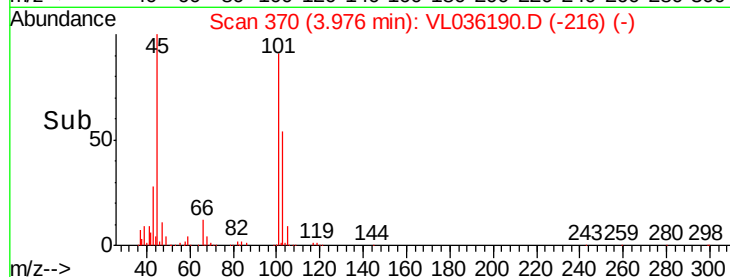
200000

100000

0

Time-->

3.90 3.95 4.00 4.05 4.10



#20

Methylene Chloride

Concen: 6.829 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Tgt Ion: 84 Resp: 465985

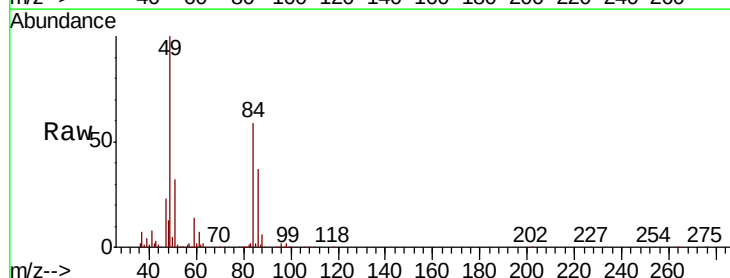
Ion Ratio Lower Upper

84 100

49 166.8 133.0 199.4

51 51.0 38.9 58.3

86 63.0 48.8 73.2



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

600000

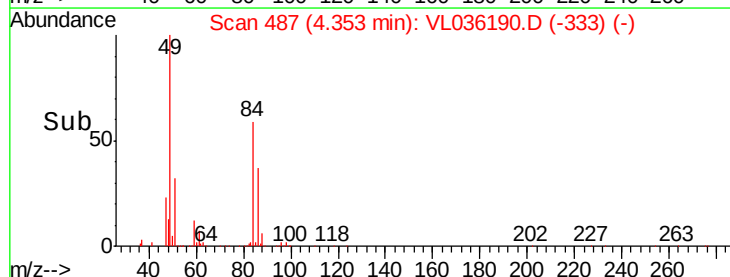
400000

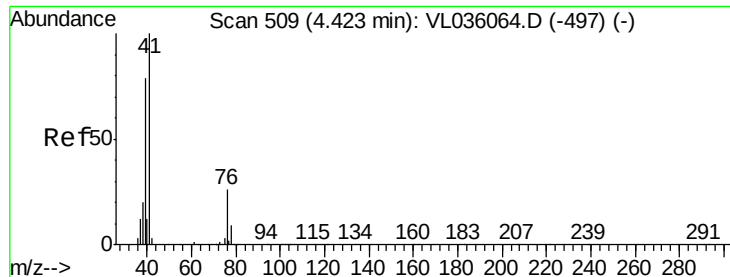
200000

0

Time-->

4.30 4.35 4.40





#21

Allvl Chloride

Concen: 9.109 ppbv

RT: 4.42 min Scan# 508

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

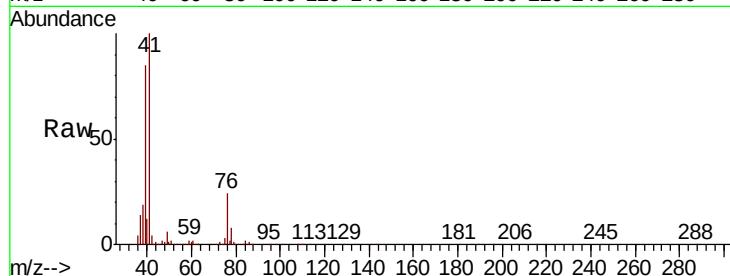
Tot Ion: 41 Resp: 1008538

Ion Ratio Lower Upper

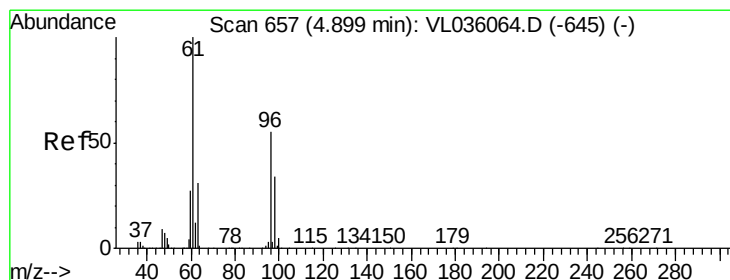
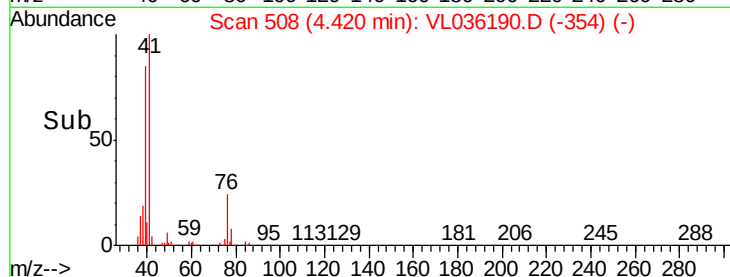
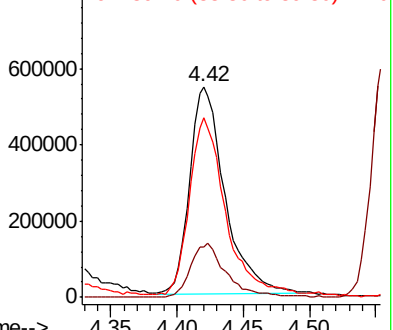
41 100

76 26.5 21.0 31.4

39 89.2 66.0 99.0



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.095 ppbv

RT: 4.90 min Scan# 657

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

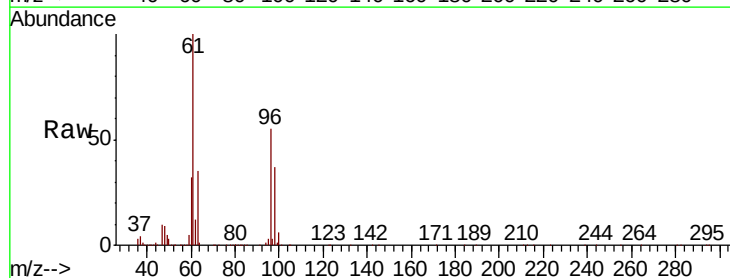
Tgt Ion: 96 Resp: 521191

Ion Ratio Lower Upper

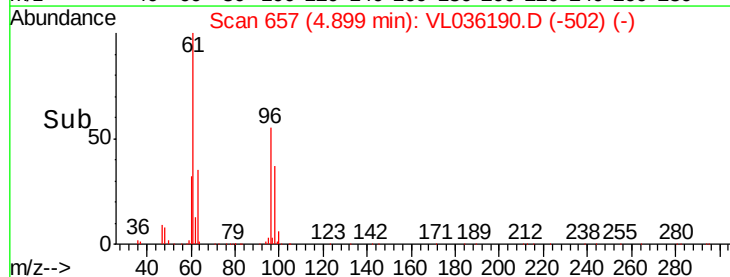
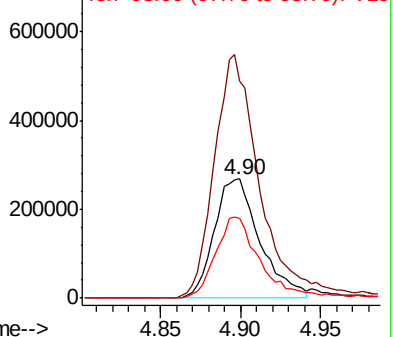
96 100

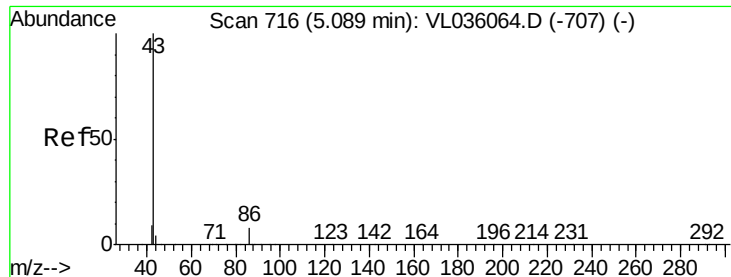
61 182.0 145.7 218.5

98 67.0 49.2 73.8



Abundance Ion 96.00 (95.70 to 96.70): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 9.669 ppbv

RT: 5.09 min Scan# 716

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

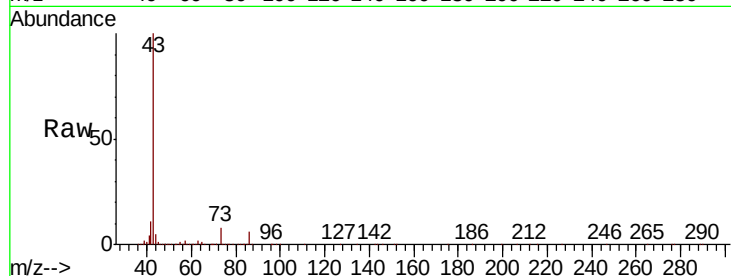
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 2143437

Ion	Ratio	Lower	Upper
43	100		
86	6.0	5.0	7.4
42	10.3	7.8	11.6
44	4.6	3.2	4.8

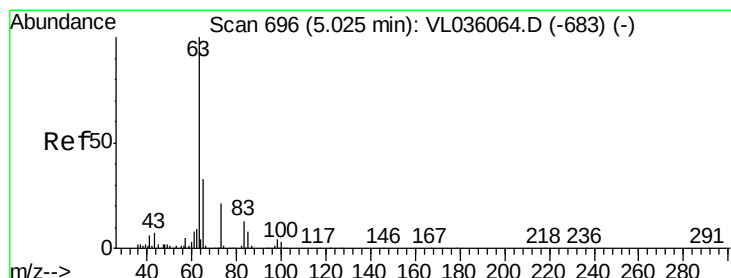
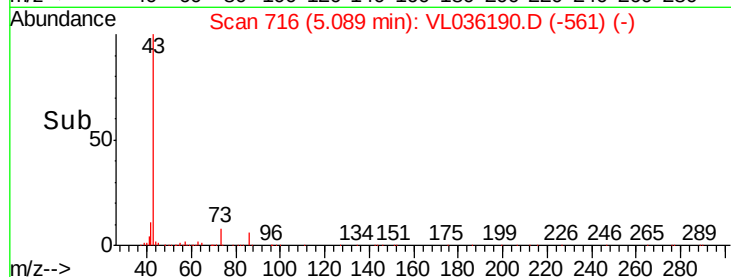
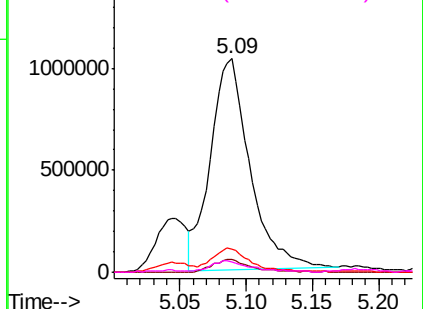


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.539 ppbv

RT: 5.02 min Scan# 696

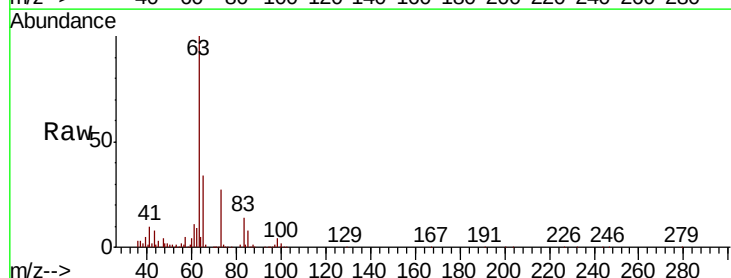
Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Tgt Ion: 63 Resp: 1487336

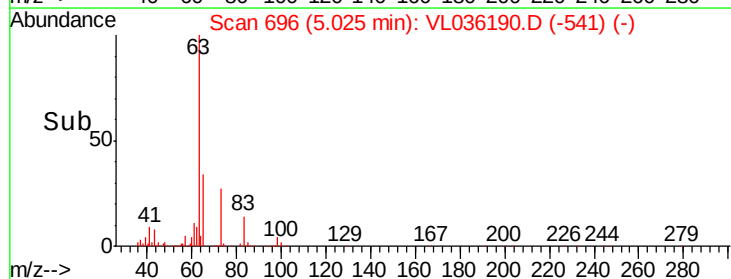
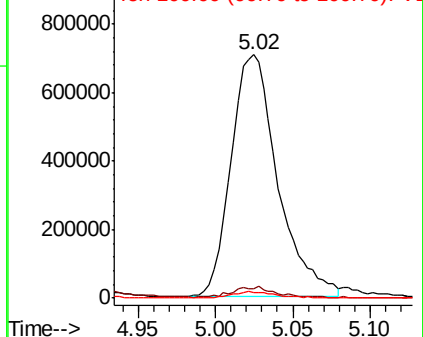
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.2	6.6
100	2.1	1.5	4.4

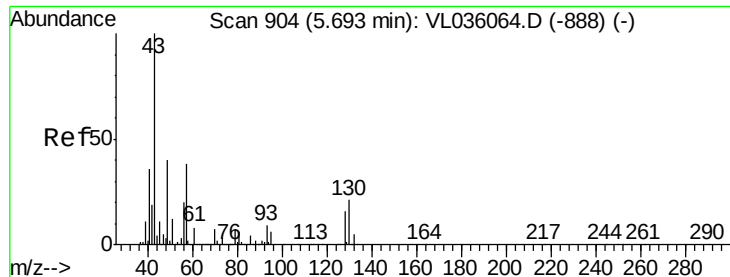


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

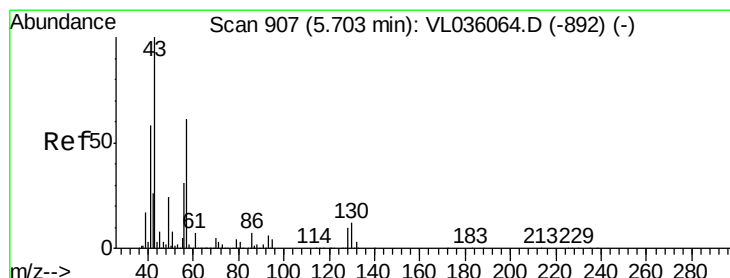
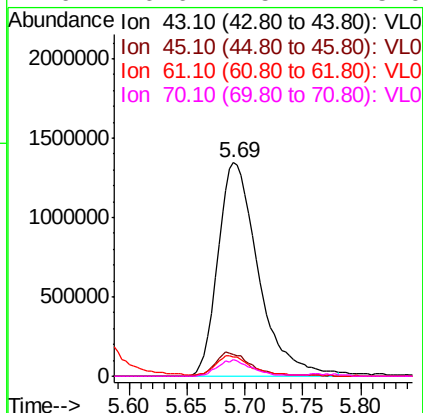
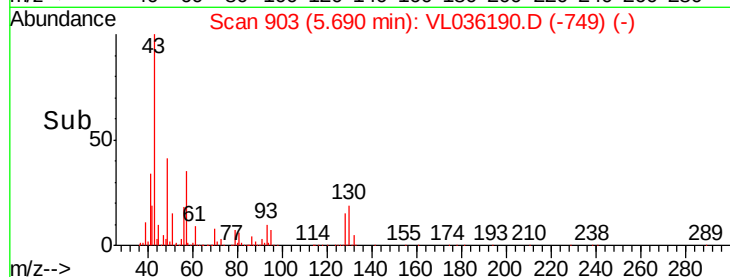
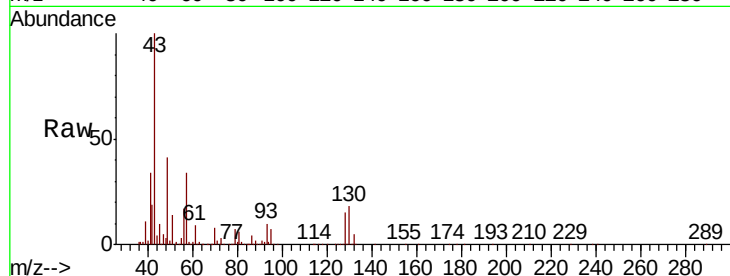




#25
Ethyl Acetate
Concen: 9.771 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

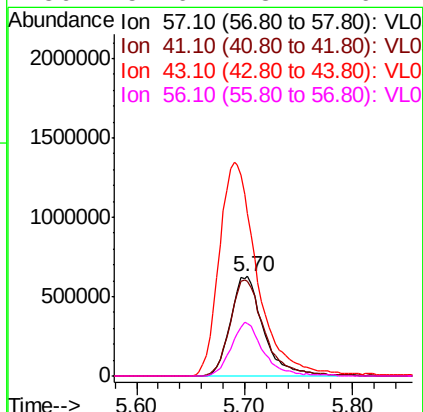
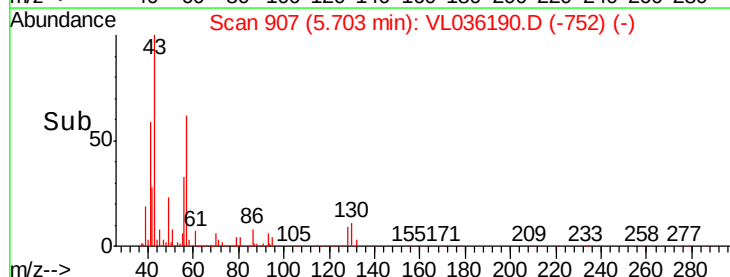
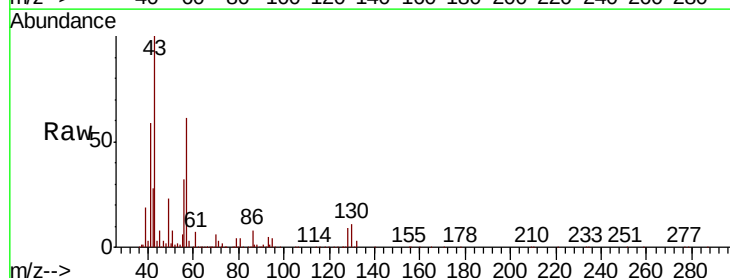
Instrument :
MSVOA_L
ClientSampleId :

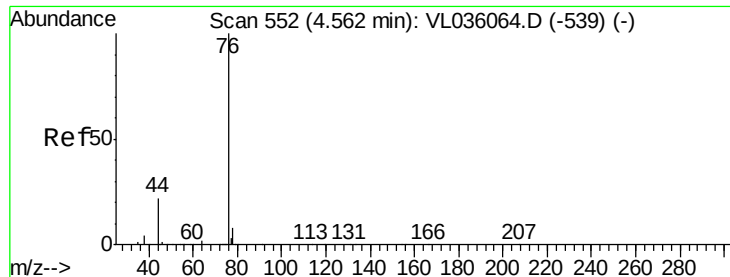
Tot Ion:	43	Resp:	3250298
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.4
61	9.1	7.4	11.2
70	6.6	5.4	8.0



#26
Hexane
Concen: 8.922 ppbv
RT: 5.70 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion:	57	Resp:	1335692
Ion	Ratio	Lower	Upper
57	100		
41	101.6	82.9	124.3
43	248.3	199.9	299.9
56	52.6	43.1	64.7





#27

Carbon Disulfide

Concen: 8.976 ppbv

RT: 4.56 min Scan# 551

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

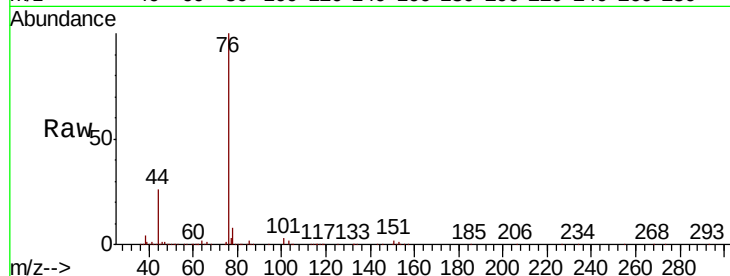
Tot Ion: 76 Resp: 1335504

Ion	Ratio	Lower	Upper
76	100		
44	26.1	17.9	26.9
78	9.6	7.8	11.8

76 100

44 26.1 17.9 26.9

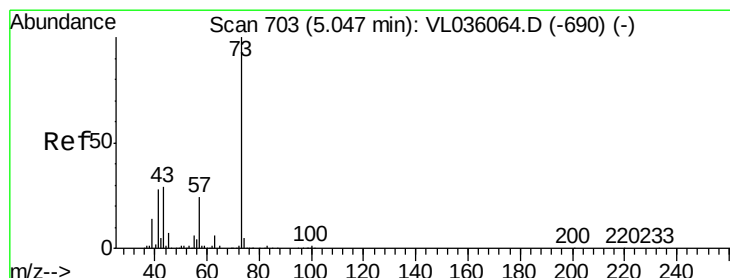
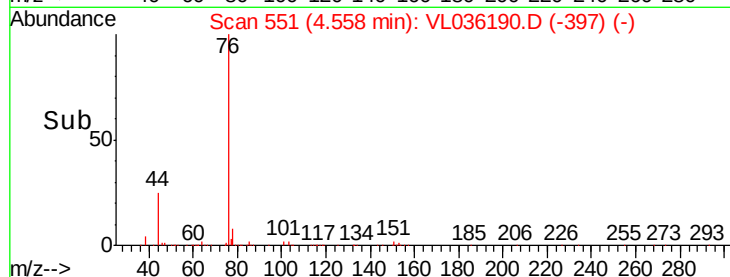
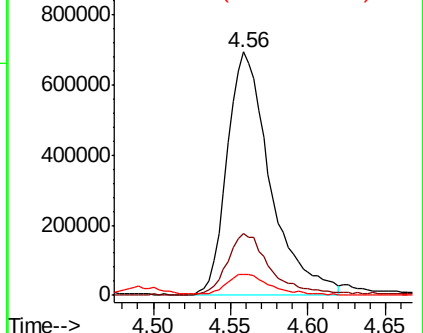
78 9.6 7.8 11.8



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: 9.161 ppbv

RT: 5.04 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL036190.D

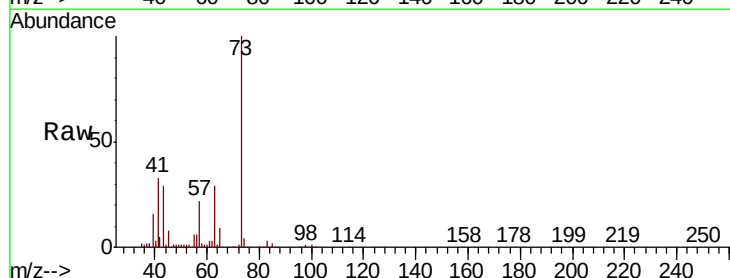
Acq: 17 Dec 2020 6:21

Tgt Ion: 73 Resp: 1949833

Ion	Ratio	Lower	Upper
73	100		
57	22.9	19.2	28.8

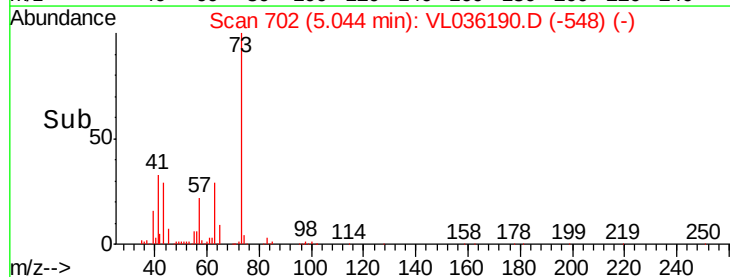
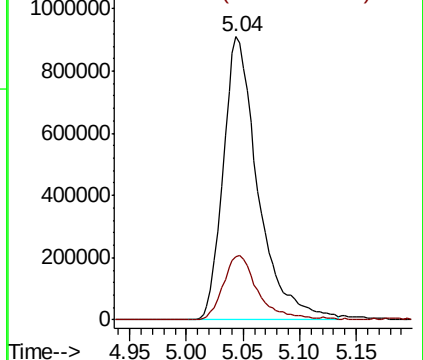
73 100

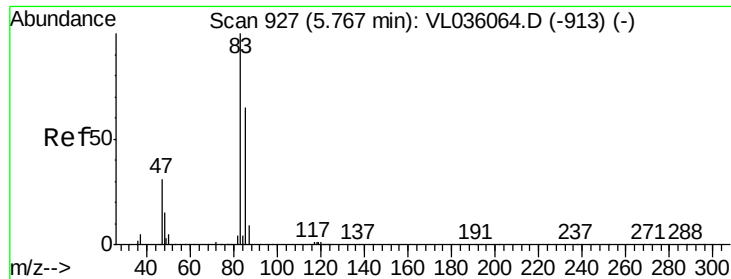
57 22.9 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

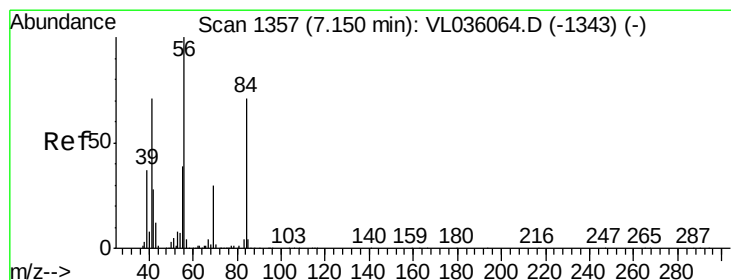
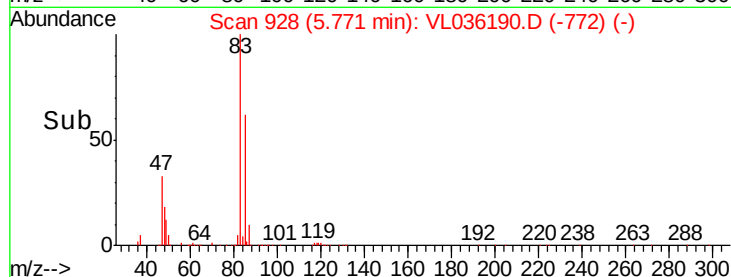
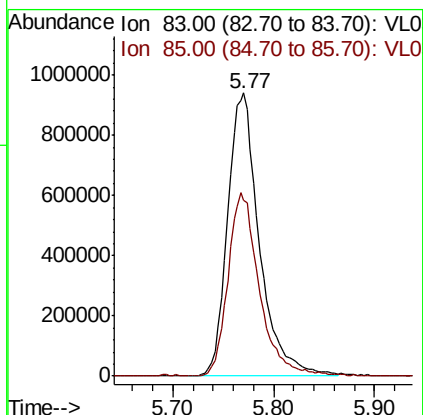
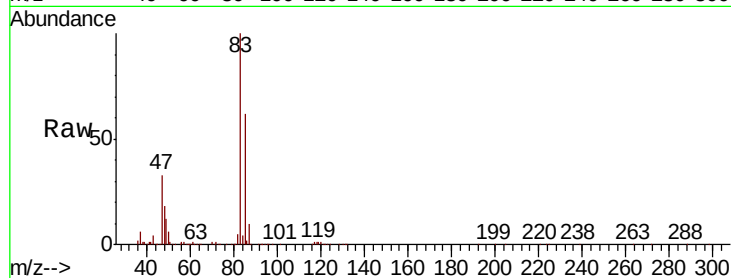




#29
Chloroform
Concen: 10.508 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

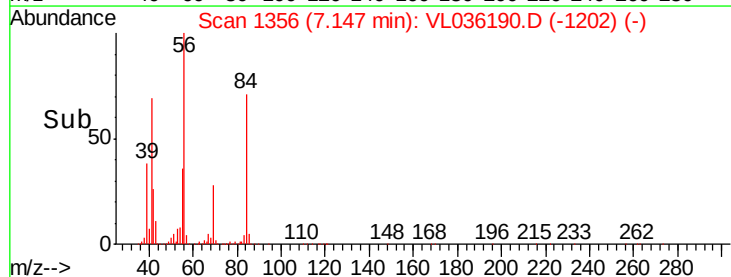
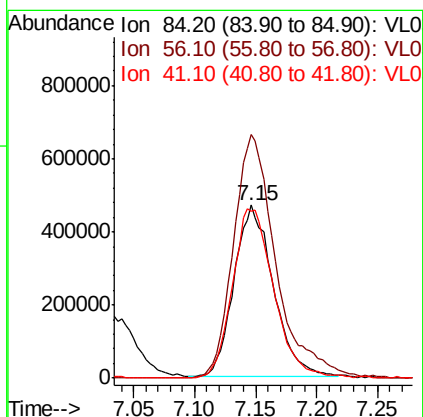
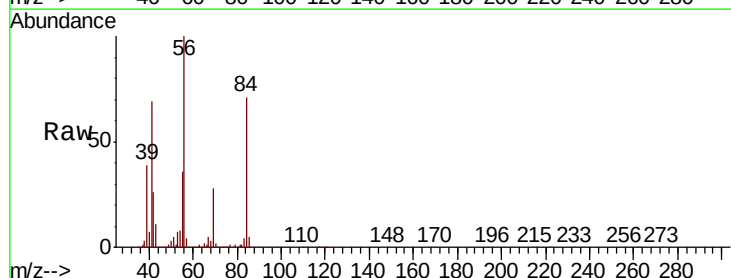
Instrument :
MSVOA_L
ClientSampled :

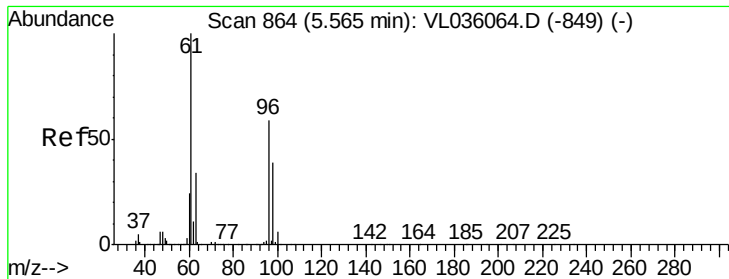
Tot Ion: 83 Resp: 2065816
Ion Ratio Lower Upper
83 100
85 62.3 51.8 77.6



#30
Cyclohexane
Concen: 9.547 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion: 84 Resp: 1049925
Ion Ratio Lower Upper
84 100
56 154.4 128.0 192.0
41 104.3 81.3 121.9



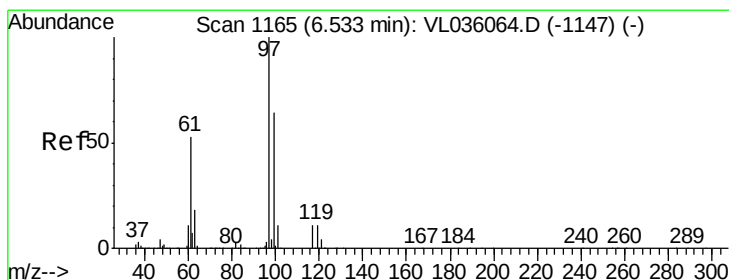
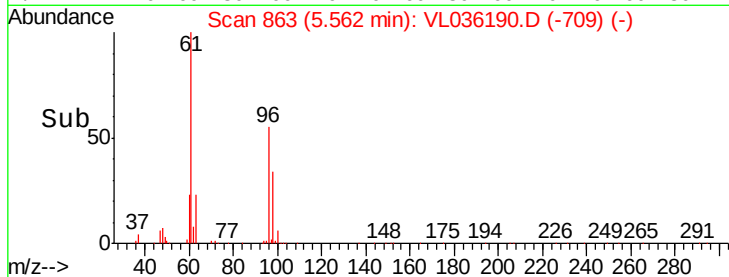
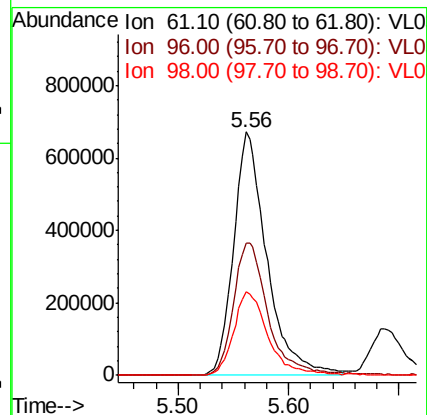
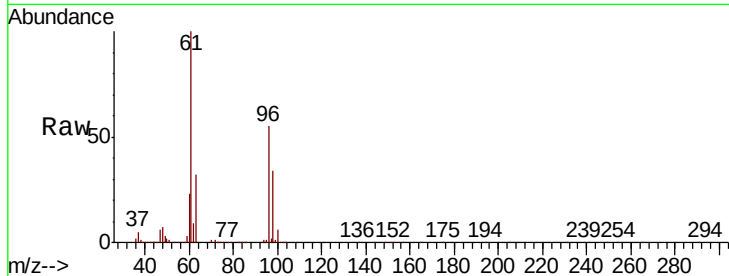


#31

cis-1,2-Dichloroethene
Concen: 10.312 ppbv
RT: 5.56 min Scan# 863
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Instrument :
MSVOA_L
ClientSampled :

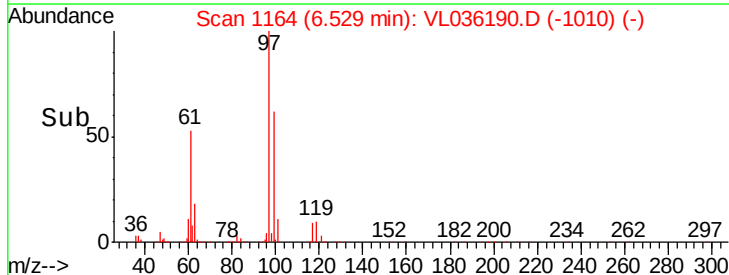
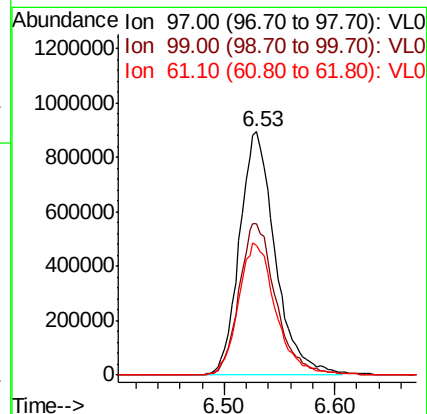
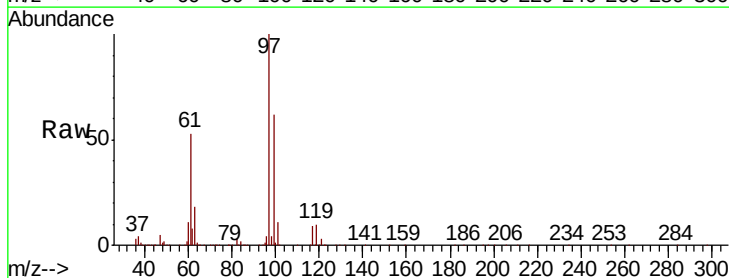
Tot Ion: 61 Resp: 1403342
Ion Ratio Lower Upper
61 100
96 54.5 47.3 70.9
98 34.3 31.4 47.0

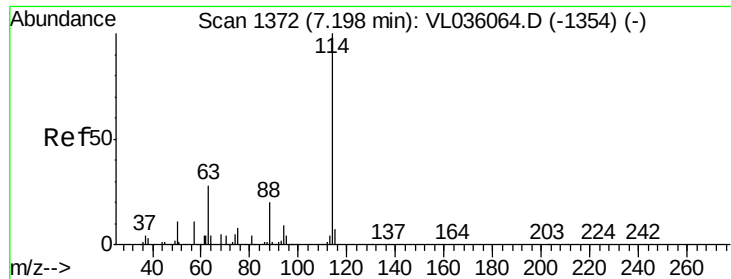


#32

1,1,1-Trichloroethane
Concen: 9.864 ppbv
RT: 6.53 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion: 97 Resp: 2001150
Ion Ratio Lower Upper
97 100
99 64.4 52.4 78.6
61 57.0 43.4 65.0

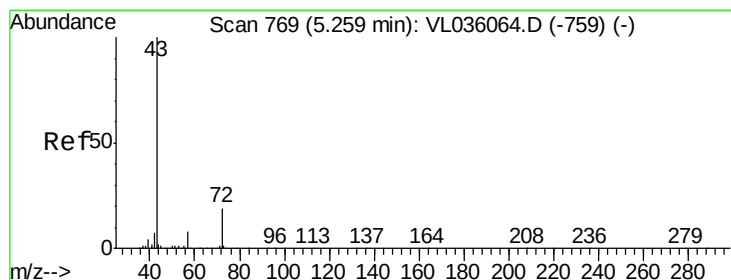
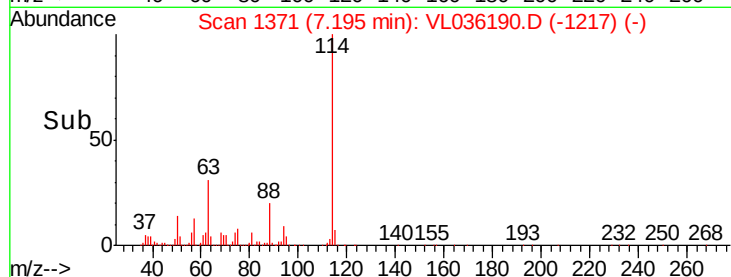
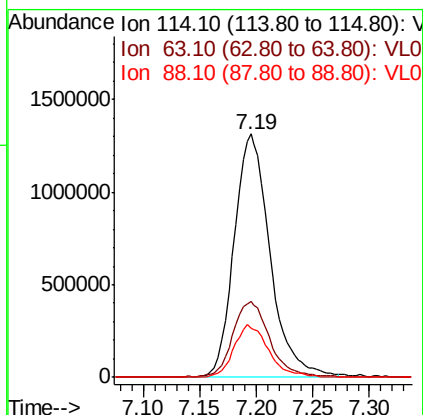
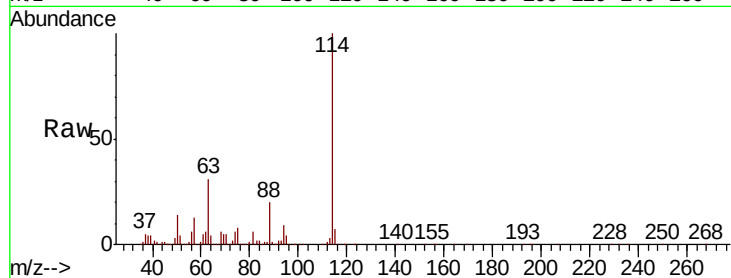




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

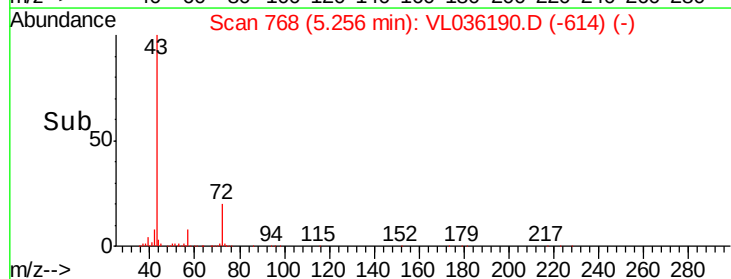
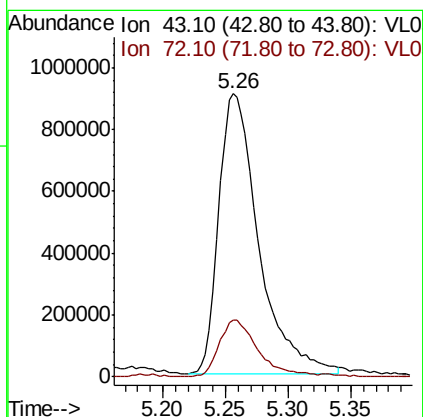
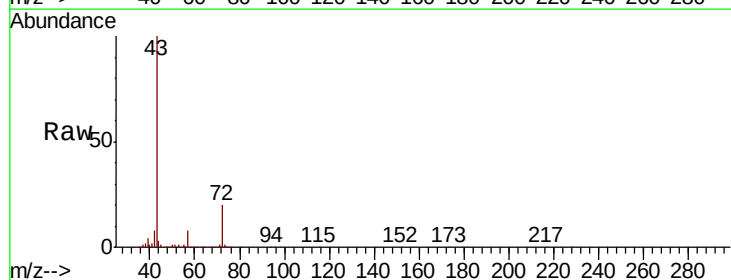
Instrument :
 MSVOA_L
 ClientSampleId :

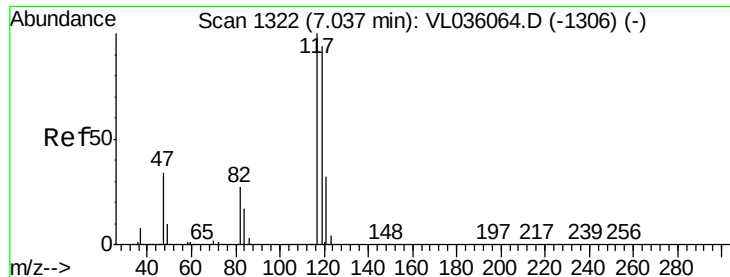
Tot Ion:114 Resp: 2908639
 Ion Ratio Lower Upper
 114 100
 63 32.6 23.6 35.4
 88 21.2 15.8 23.6



#34
 2-Butanone
 Concen: 10.458 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Tgt Ion: 43 Resp: 2017791
 Ion Ratio Lower Upper
 43 100
 72 20.5 16.5 24.7





#35

Carbon Tetrachloride

Concen: 11.194 ppbv

RT: 7.04 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampled :

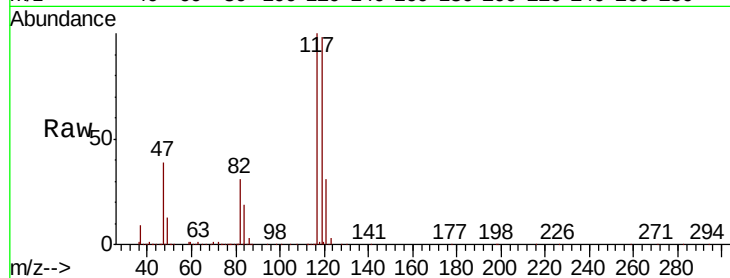
Tot Ion:117 Resp: 1898617

Ion Ratio Lower Upper

117 100

119 97.7 75.1 112.7

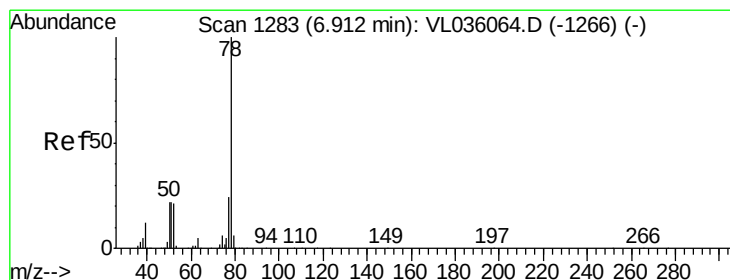
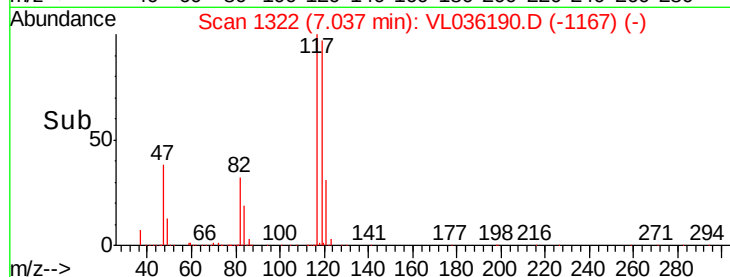
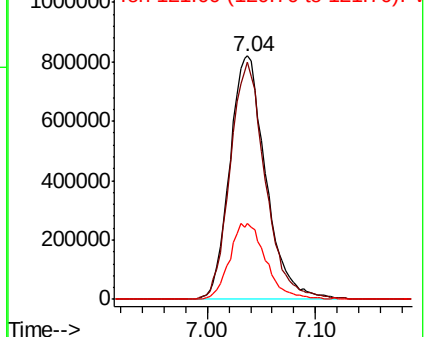
121 31.2 25.6 38.4



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: 10.679 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

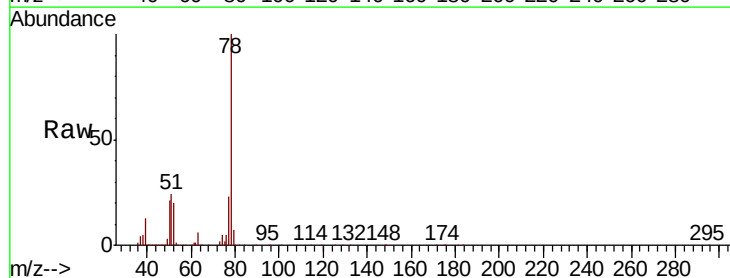
Tgt Ion: 78 Resp: 2632475

Ion Ratio Lower Upper

78 100

77 22.9 19.4 29.2

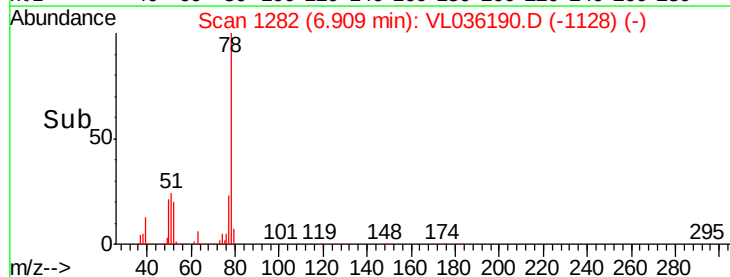
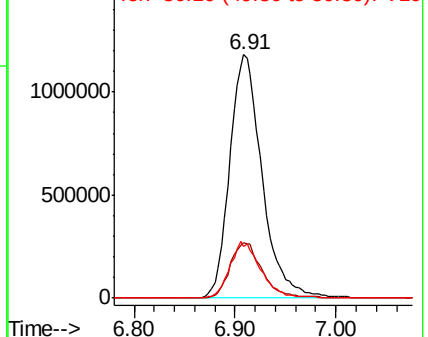
50 21.3 17.8 26.8

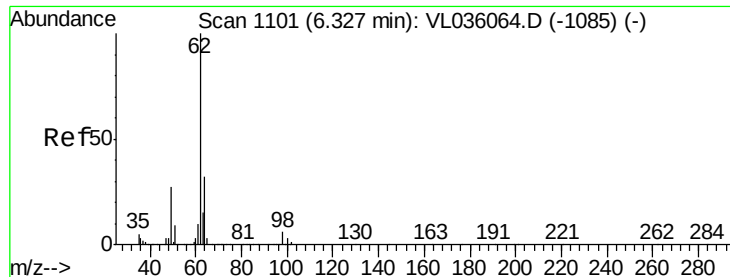


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 12.232 ppbv

RT: 6.33 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

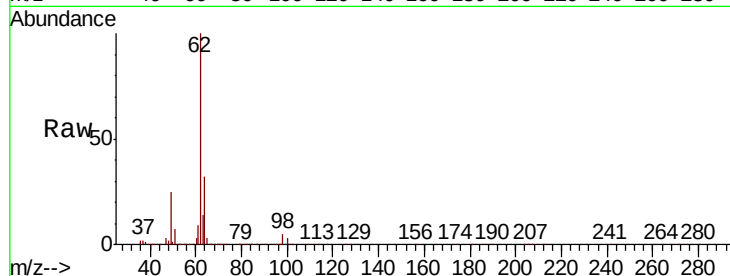
ClientSampleId :

Tot Ion: 62 Resp: 1747144

Ion Ratio Lower Upper

62 100

98 4.9 4.6 7.0



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.33

800000

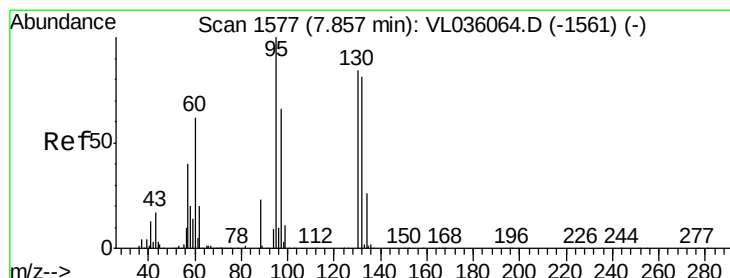
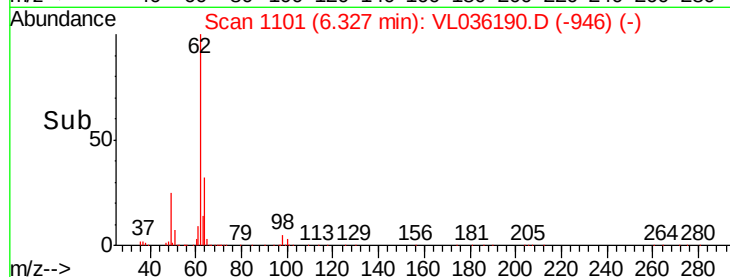
600000

400000

200000

0

Time-->



#38

Trichloroethene

Concen: 8.799 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Tgt Ion:130 Resp: 810830

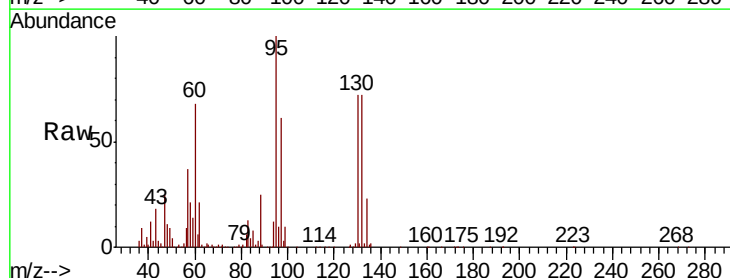
Ion Ratio Lower Upper

130 100

95 138.9 95.2 142.8

132 100.6 76.9 115.3

97 85.3 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

800000

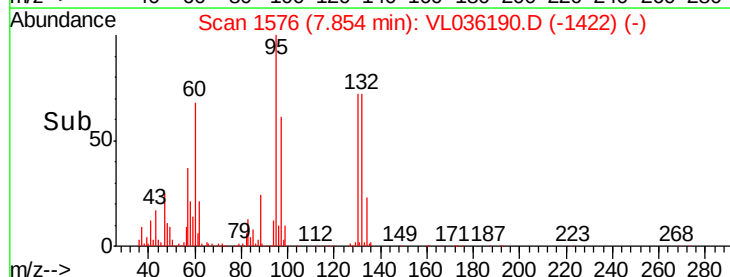
600000

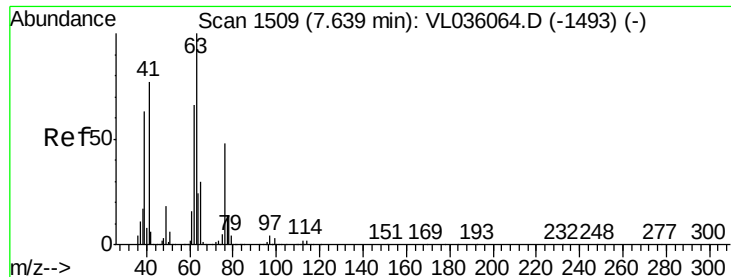
400000

200000

0

Time-->



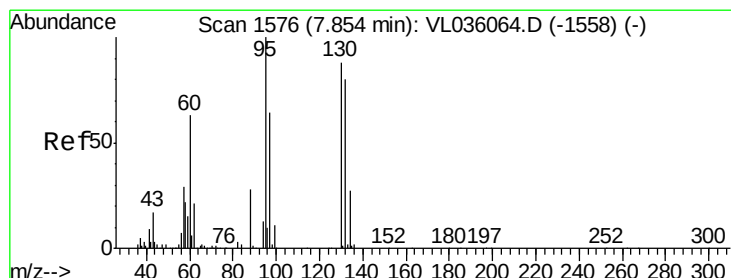
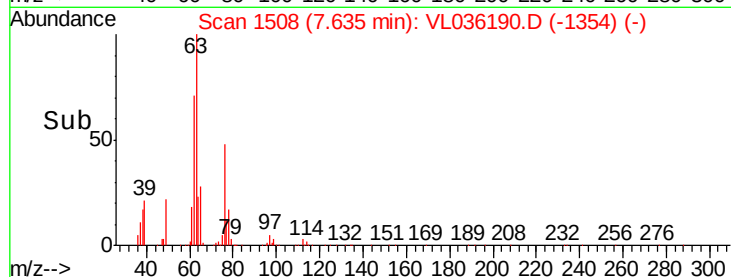
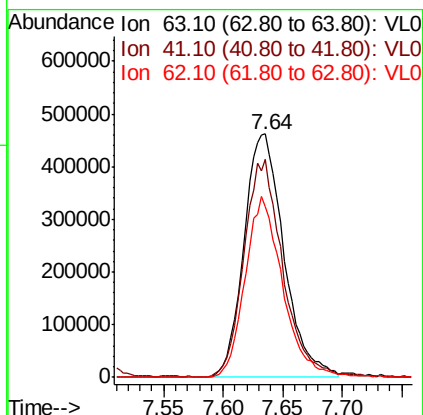
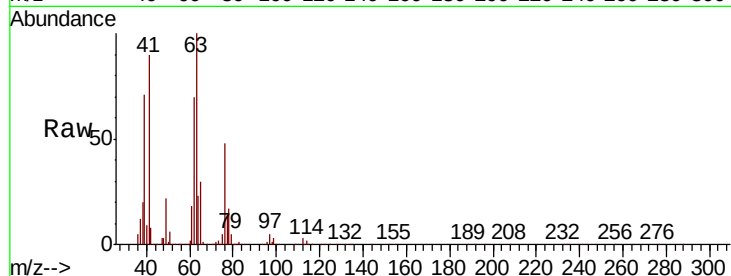


#39
 1,2-Dichloropropane
 Concen: 11.008 ppbv
 RT: 7.64 min Scan# 1508
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1071644

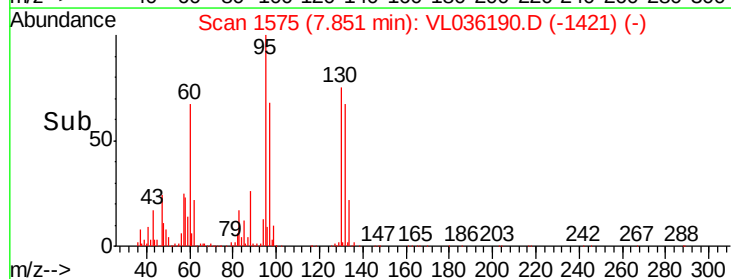
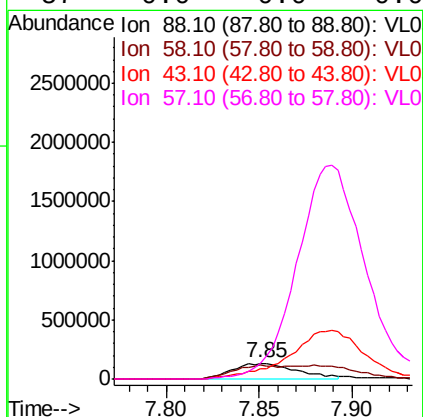
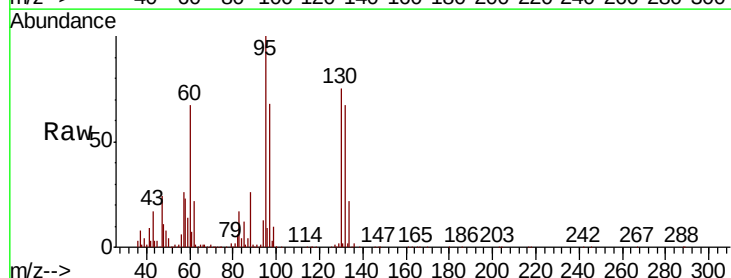
Ion	Ratio	Lower	Upper
63	100		
41	89.1	61.9	92.9
62	70.2	52.5	78.7

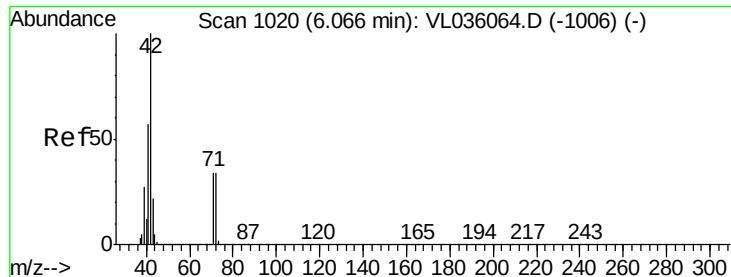


#40
 1,4-Dioxane
 Concen: 10.184 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Tgt Ion: 88 Resp: 311805

Ion	Ratio	Lower	Upper
88	100		
58	61.4	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 10.595 ppbv

RT: 6.07 min Scan# 1020

Delta R.T. -0.00 min

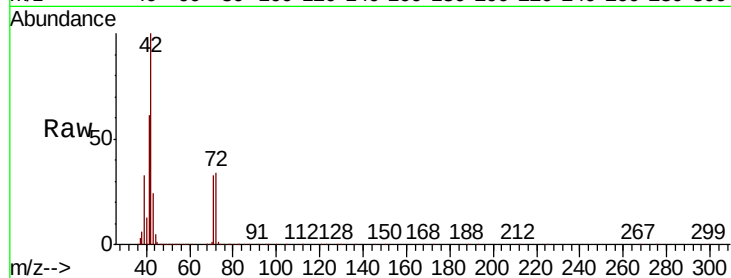
Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 42 Resp: 1214403

Ion	Ratio	Lower	Upper
42	100		
72	35.6	28.3	42.5
71	34.5	27.3	40.9

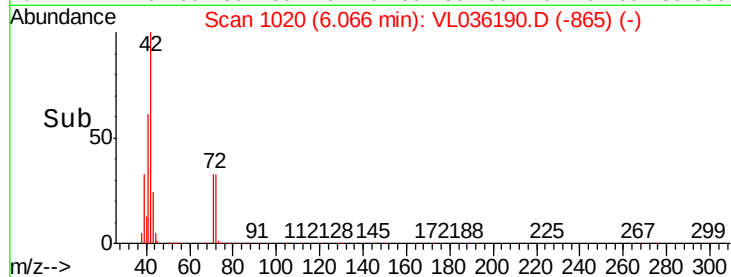


Abundance

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

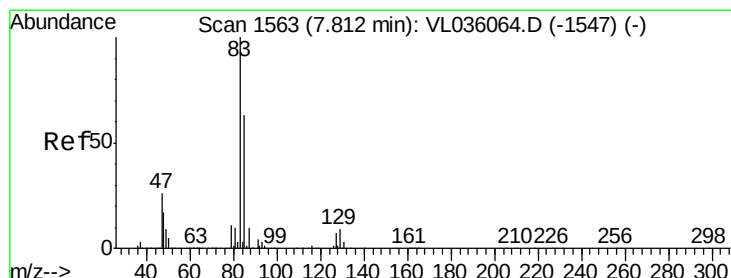


Abundance

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: 11.762 ppbv

RT: 7.81 min Scan# 1563

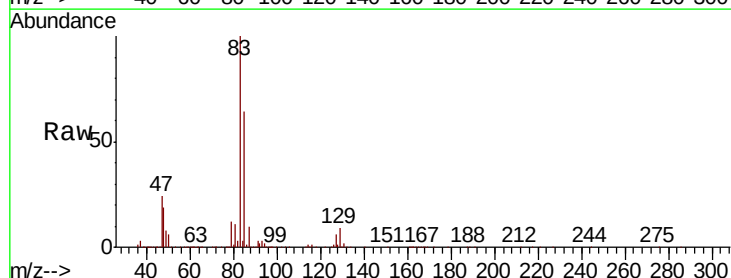
Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Tgt Ion: 83 Resp: 2238768

Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.2	75.2
127	6.5	5.5	8.3

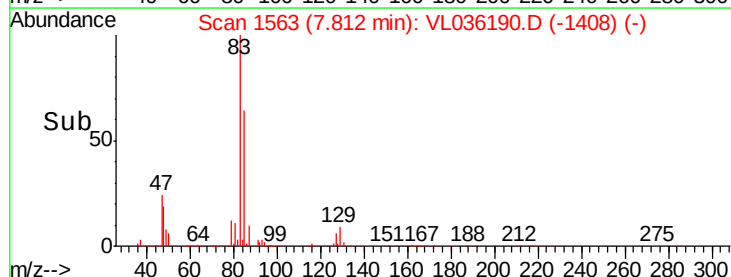


Abundance

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

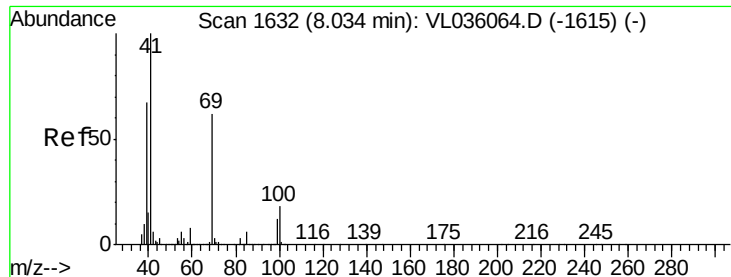


Abundance

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: 11.430 ppbv

RT: 8.03 min Scan# 1631

Delta R.T. -0.00 min

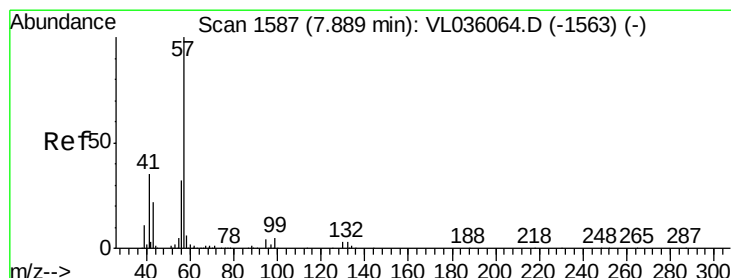
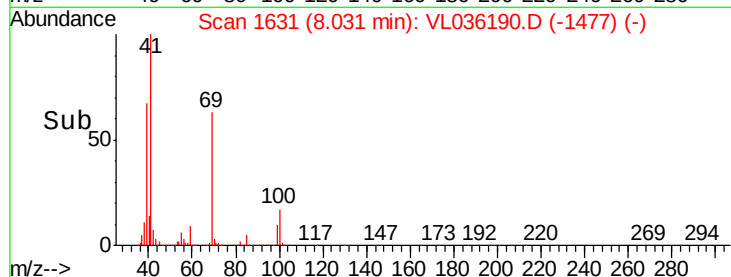
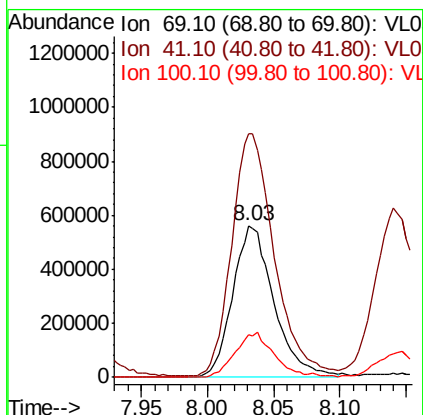
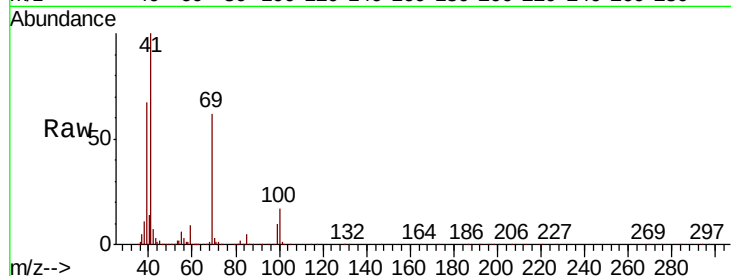
Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 1208676

Ion	Ratio	Lower	Upper
69	100		
41	167.0	133.0	199.6
100	28.6	25.4	38.0



#44

2,2,4-Trimethylpentane

Concen: 10.499 ppbv

RT: 7.89 min Scan# 1587

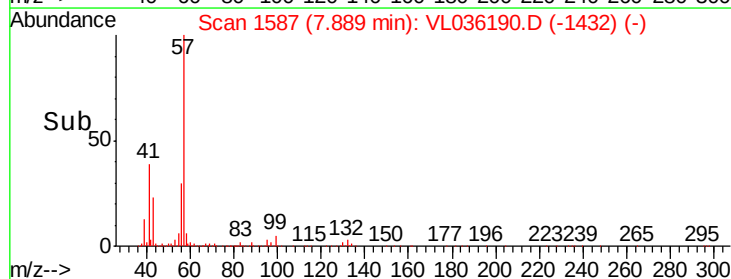
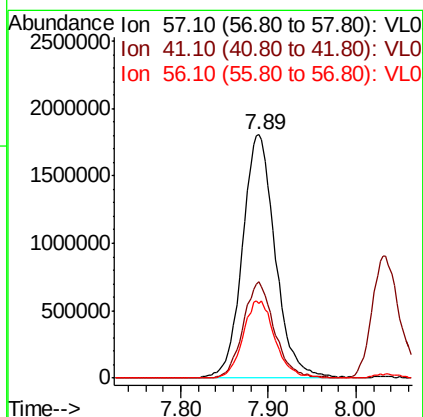
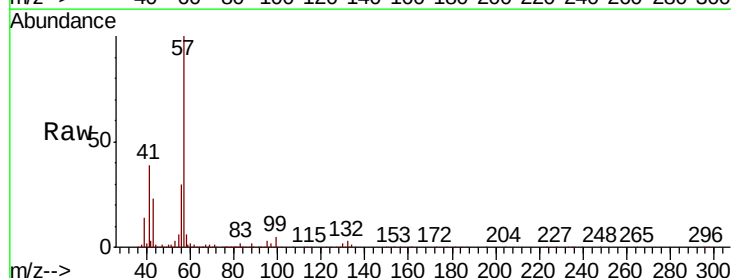
Delta R.T. -0.00 min

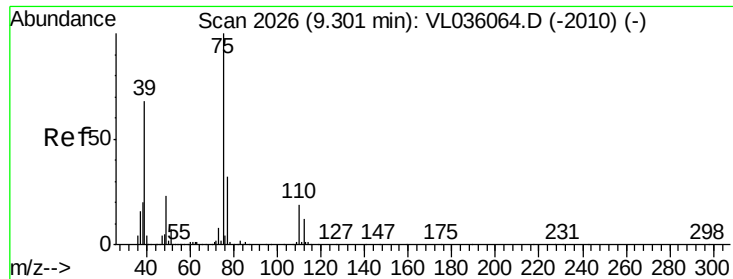
Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Tgt Ion: 57 Resp: 4686822

Ion	Ratio	Lower	Upper
57	100		
41	37.5	28.9	43.3
56	31.2	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 11.728 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

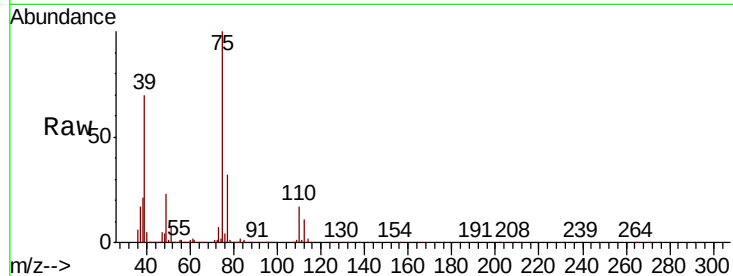
ClientSampleId :

Tot Ion: 75 Resp: 1274126

Ion Ratio Lower Upper

75 100

77 32.1 26.0 39.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.30

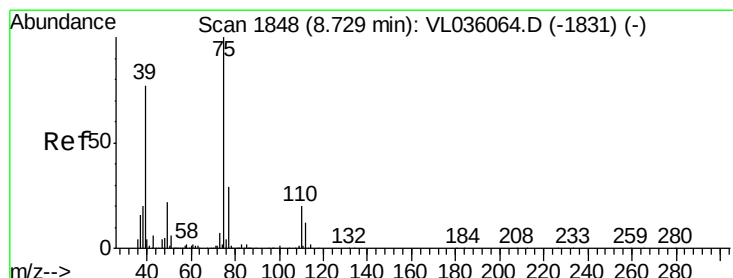
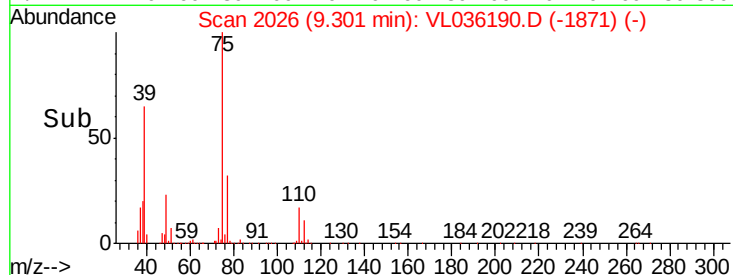
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.150 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

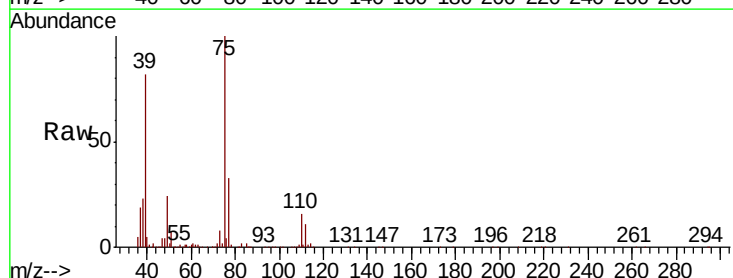
Tgt Ion: 75 Resp: 1518355

Ion Ratio Lower Upper

75 100

39 81.6 61.6 92.4

77 32.7 23.0 34.6



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

8.72

800000

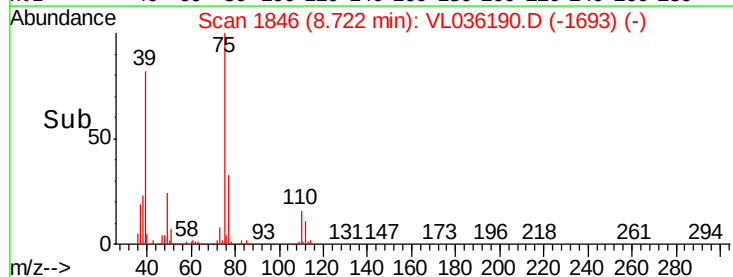
600000

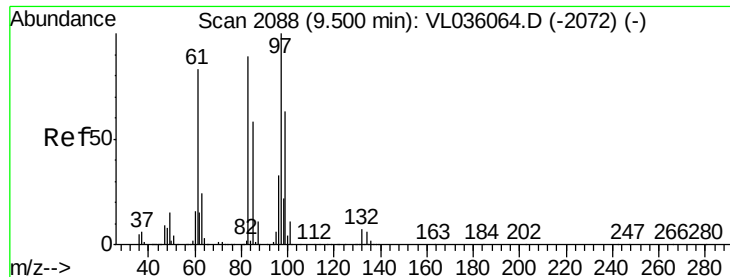
400000

200000

0

Time-->



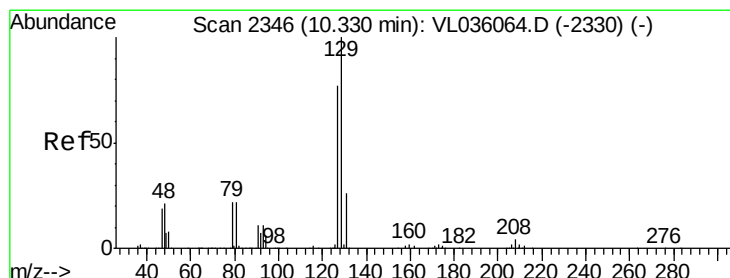
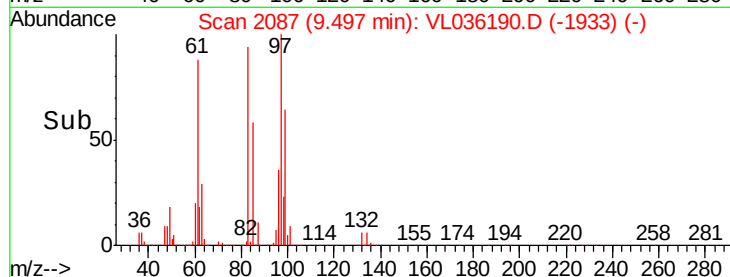
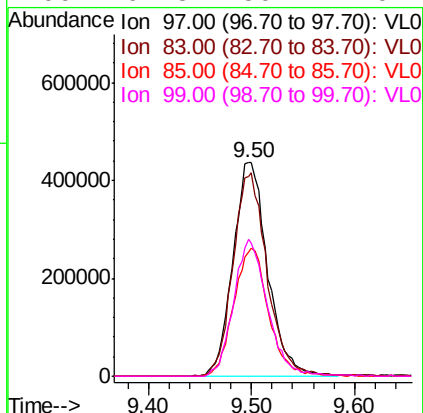
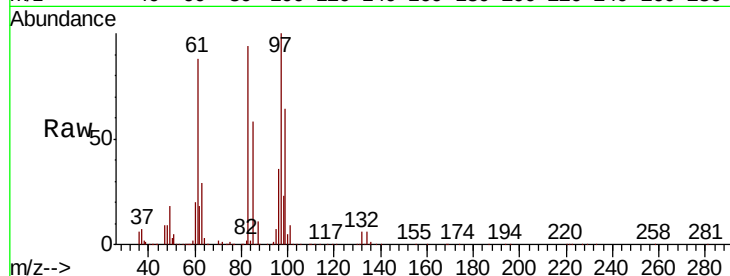


#47
 1,1,2-Trichloroethane
 Concen: 10.885 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 97 Resp: 1019420

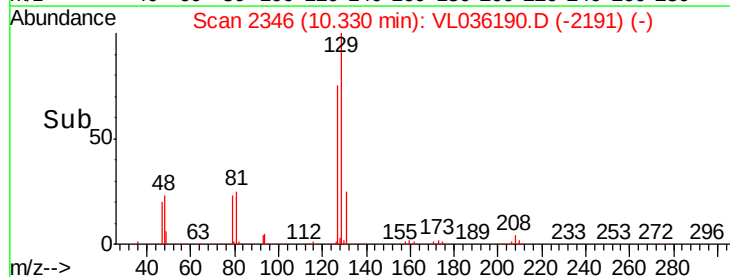
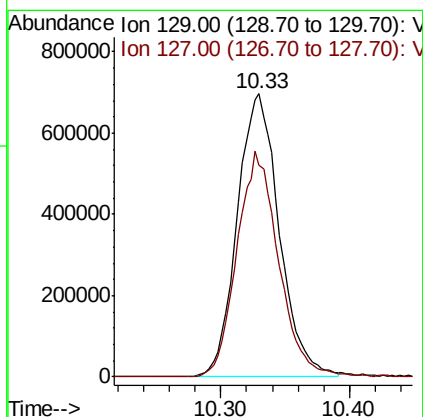
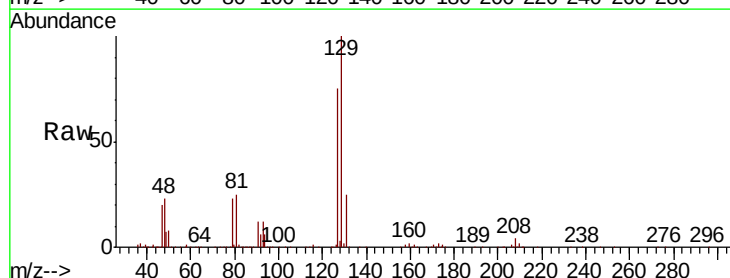
Ion	Ratio	Lower	Upper
97	100		
83	93.6	71.4	107.2
85	58.3	46.6	70.0
99	64.3	50.7	76.1

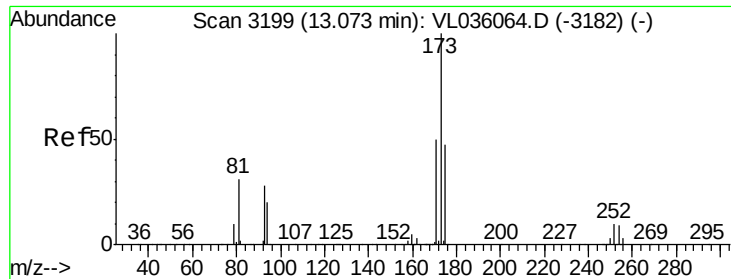


#48
 Dibromochloromethane
 Concen: 11.172 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Tgt Ion: 129 Resp: 1580033

Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.0	117.0





#49

Bromoform

Concen: 11.459 ppbv

RT: 13.07 min Scan# 3197

Delta R.T. -0.01 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

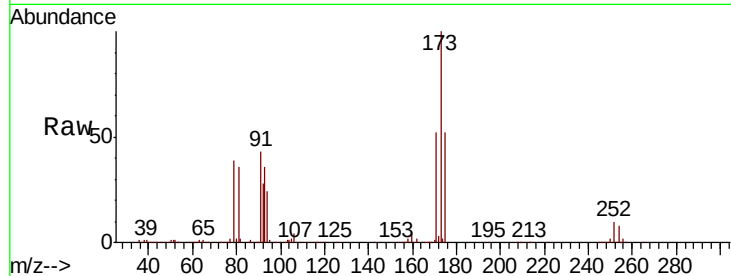
Tot Ion:173 Resp: 1275513

Ion Ratio Lower Upper

173 100

175 49.9 39.8 59.6

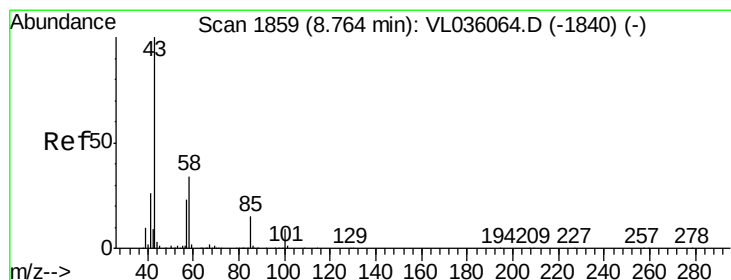
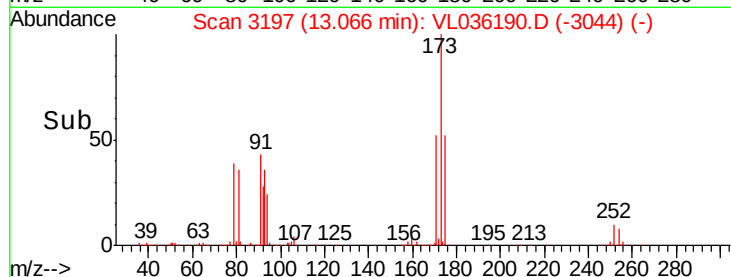
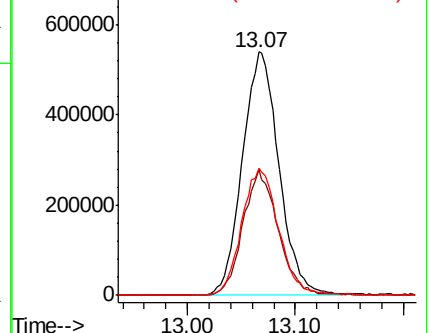
171 52.7 42.5 63.7



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: 11.198 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VL036190.D

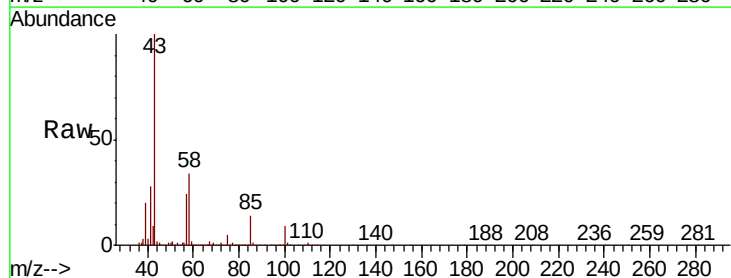
Acq: 17 Dec 2020 6:21

Tgt Ion: 43 Resp: 3221989

Ion Ratio Lower Upper

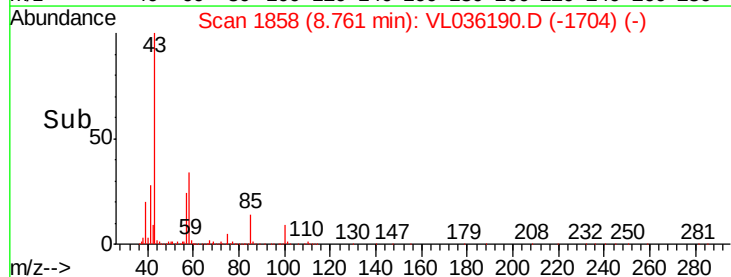
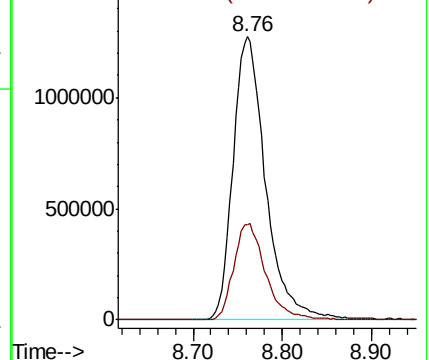
43 100

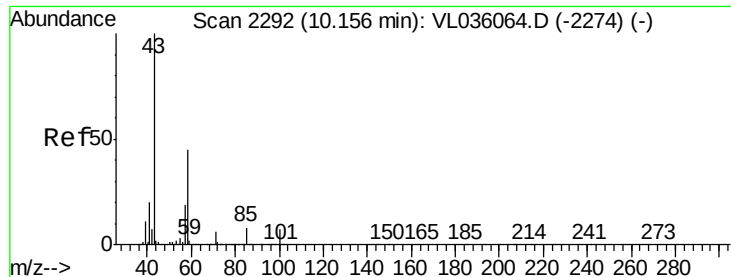
58 33.6 27.4 41.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

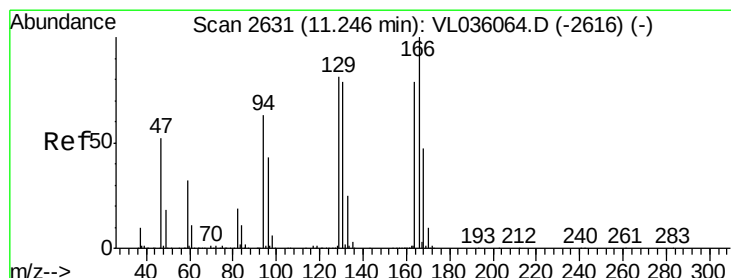
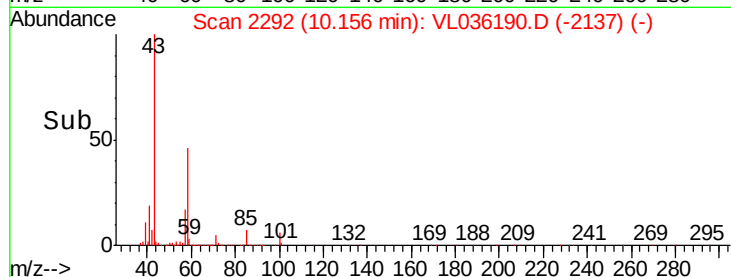
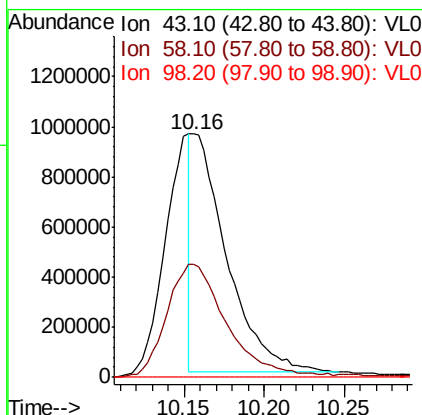
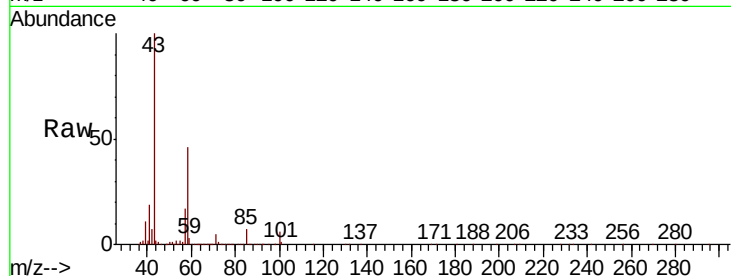




#51
 2-Hexanone
 Concen: 6.461 ppbv
 RT: 10.16 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

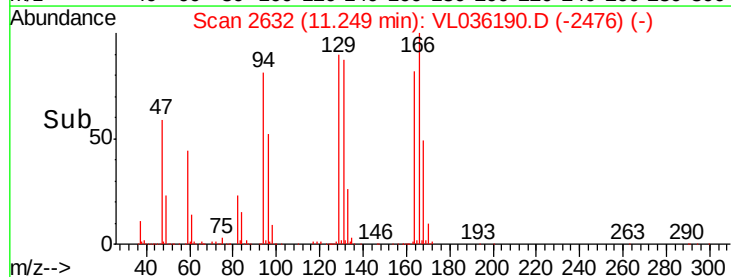
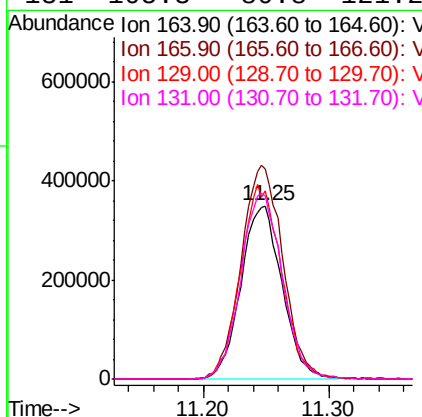
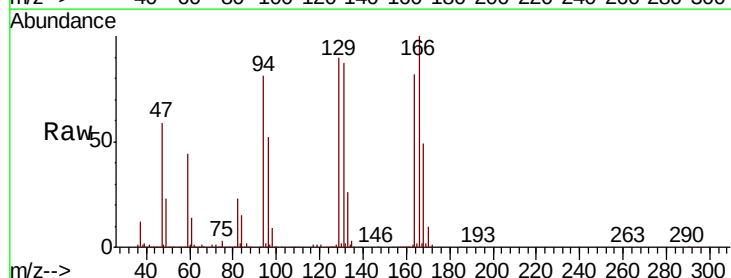
Instrument :
 MSVOA_L
 ClientSampleId :

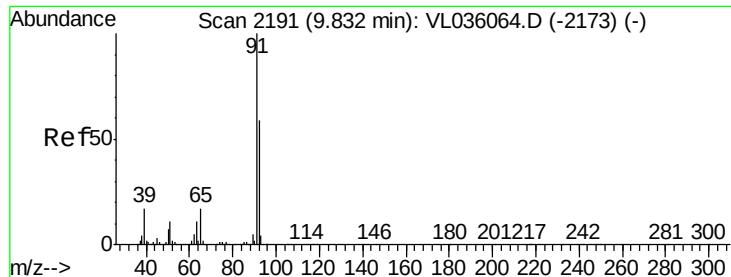
Tot Ion: 43 Resp: 1453207
 Ion Ratio Lower Upper
 43 100
 58 83.0 38.7 58.1#
 98 0.2 0.1 0.1#



#52
 Tetrachloroethene
 Concen: 8.867 ppbv
 RT: 11.25 min Scan# 2632
 Delta R.T. 0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Tgt Ion: 164 Resp: 791252
 Ion Ratio Lower Upper
 164 100
 166 121.4 101.9 152.9
 129 108.8 82.1 123.1
 131 105.3 80.8 121.2





#53

Toluene

Concen: 10.589 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

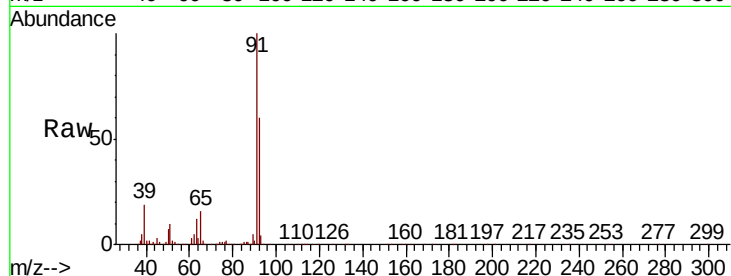
ClientSampleId :

Tot Ion: 91 Resp: 2931119

Ion Ratio Lower Upper

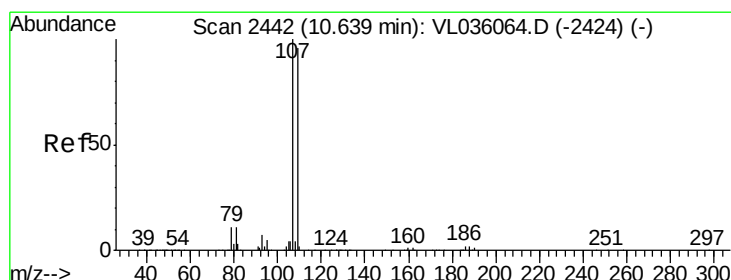
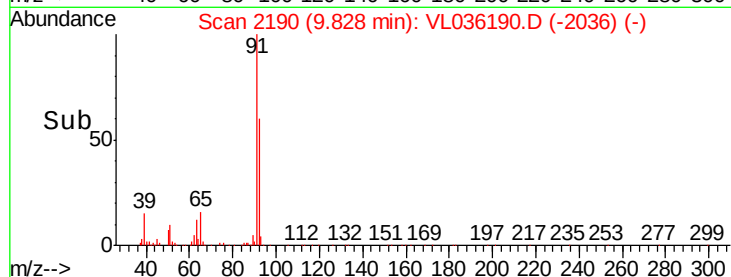
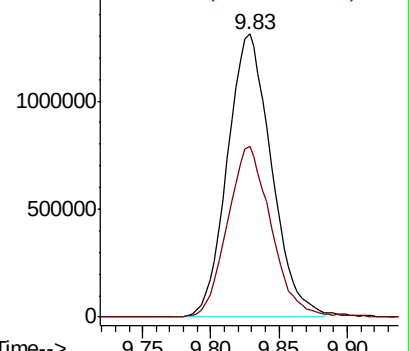
91 100

92 60.4 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.714 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. -0.00 min

Lab File: VL036190.D

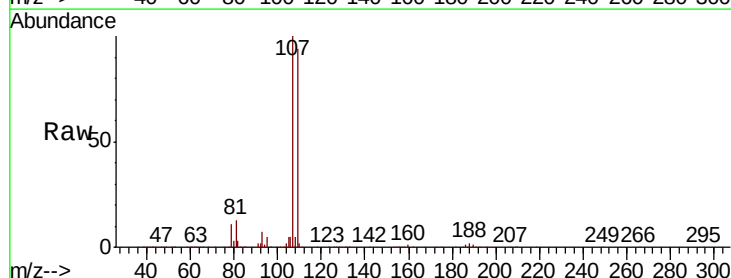
Acq: 17 Dec 2020 6:21

Tgt Ion: 107 Resp: 1504072

Ion Ratio Lower Upper

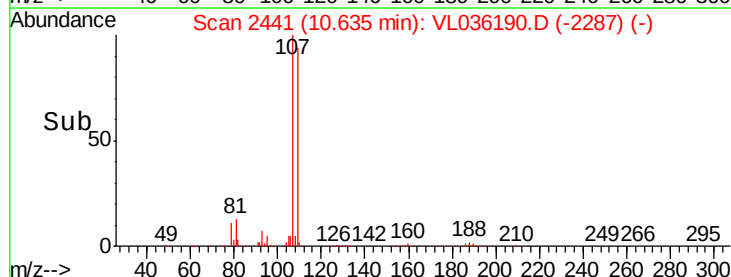
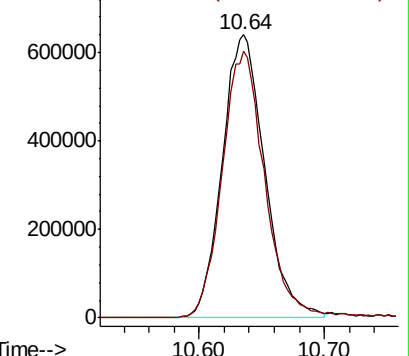
107 100

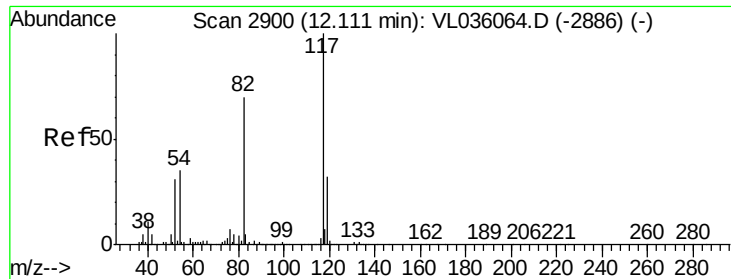
109 94.2 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

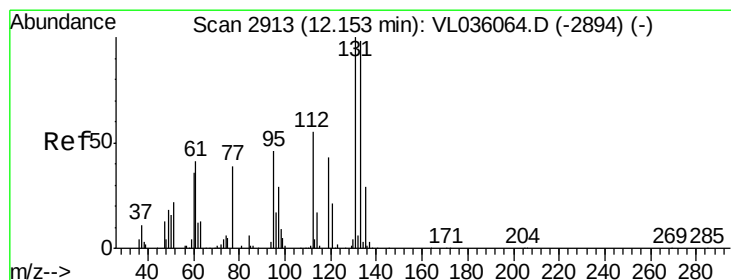
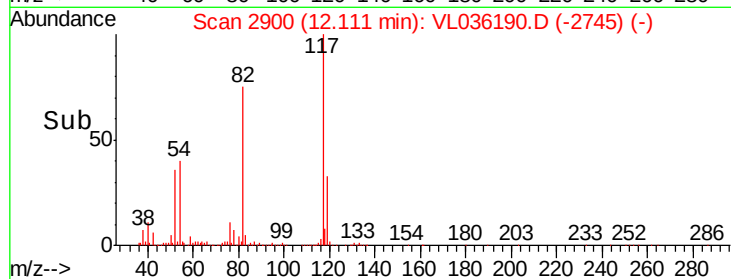
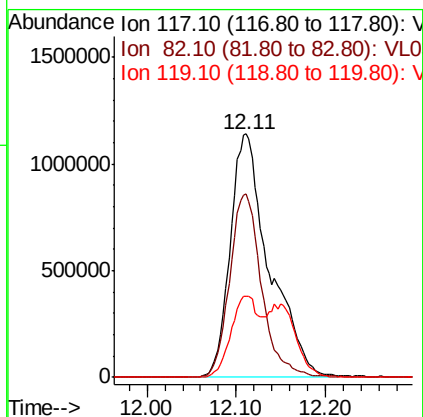
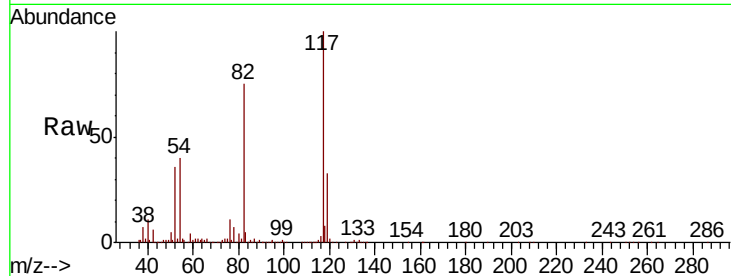




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

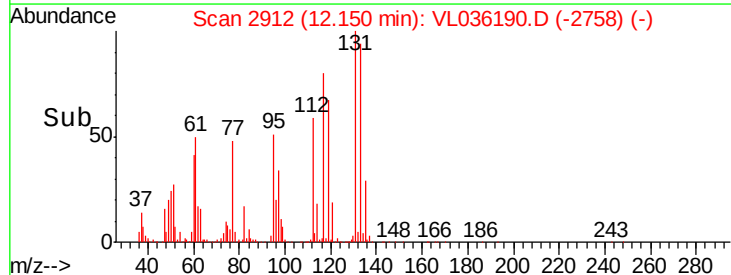
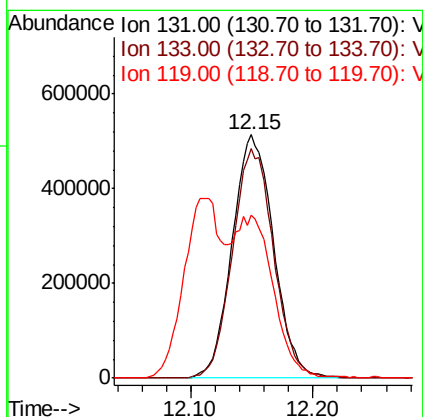
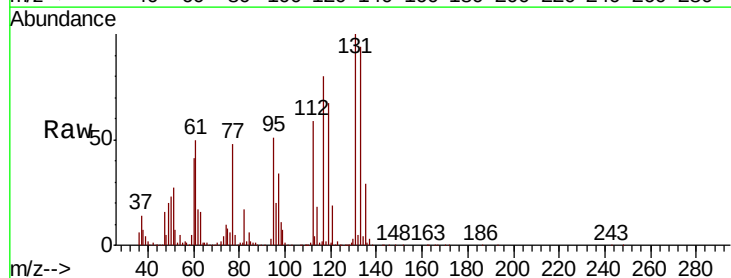
Instrument :
MSVOA_L
ClientSampleId :

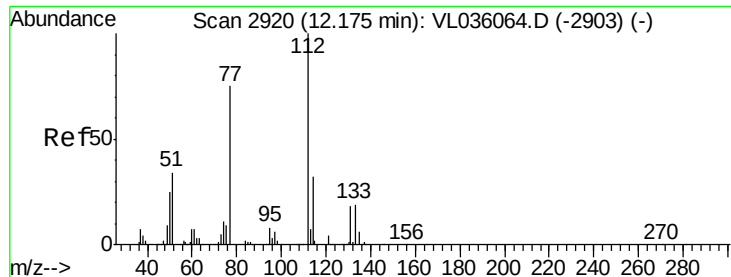
Tot Ion:117 Resp: 3466556
Ion Ratio Lower Upper
117 100
82 61.9 0.0 0.0#
119 46.7 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 8.317 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion:131 Resp: 1195515
Ion Ratio Lower Upper
131 100
133 94.8 77.7 116.5
119 59.1 51.6 77.4





#57

Chlorobenzene

Concen: 8.172 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.01 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

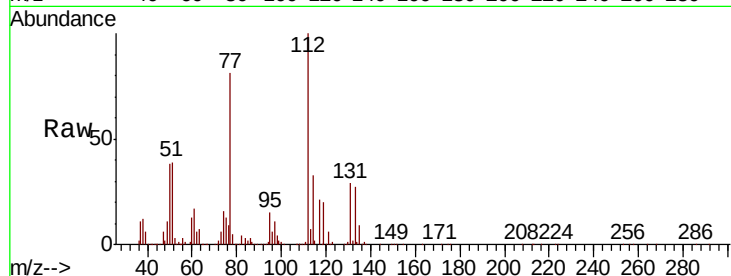
Tot Ion:112 Resp: 1988688

Ion Ratio Lower Upper

112 100

77 79.3 60.5 90.7

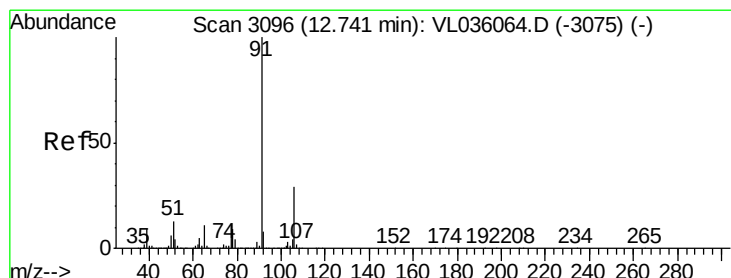
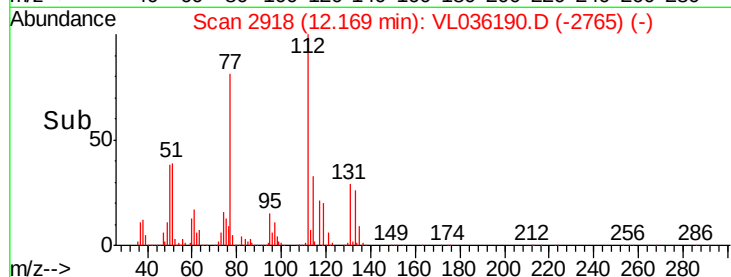
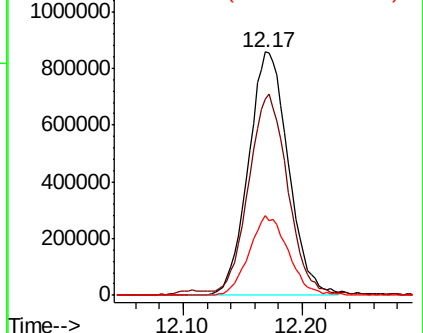
114 32.4 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.491 ppbv

RT: 12.73 min Scan# 3094

Delta R.T. -0.01 min

Lab File: VL036190.D

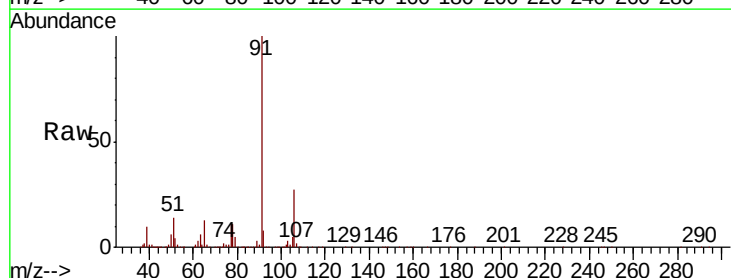
Acq: 17 Dec 2020 6:21

Tgt Ion: 91 Resp: 4033919

Ion Ratio Lower Upper

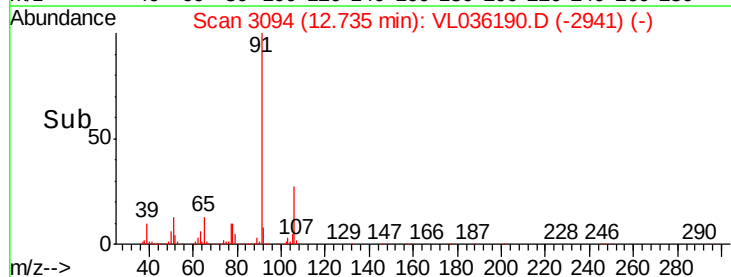
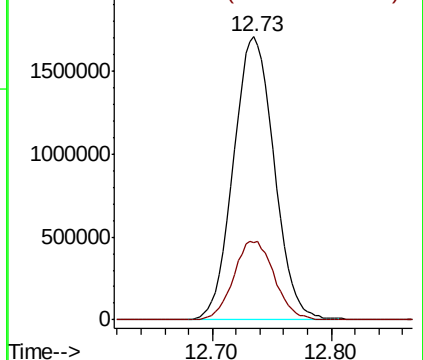
91 100

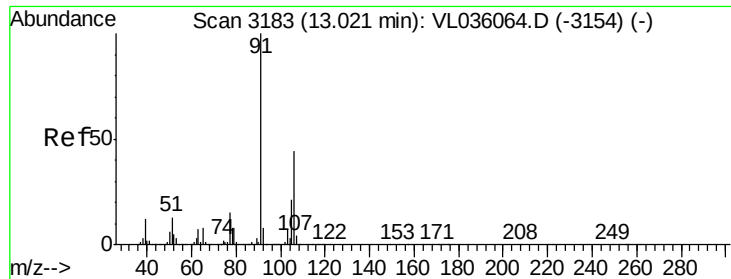
106 27.4 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 10.101 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

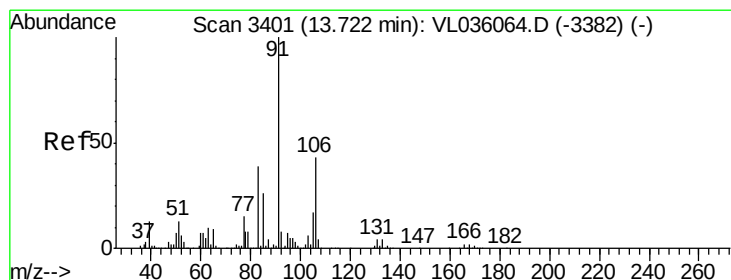
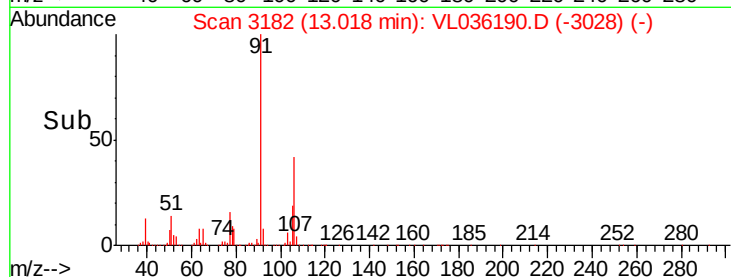
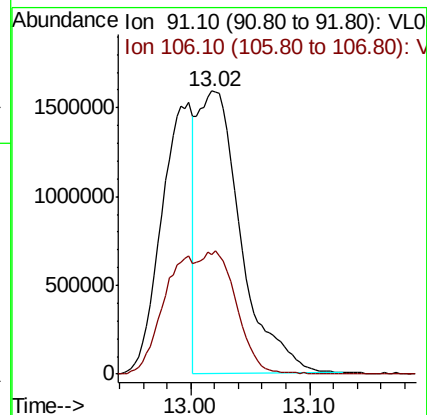
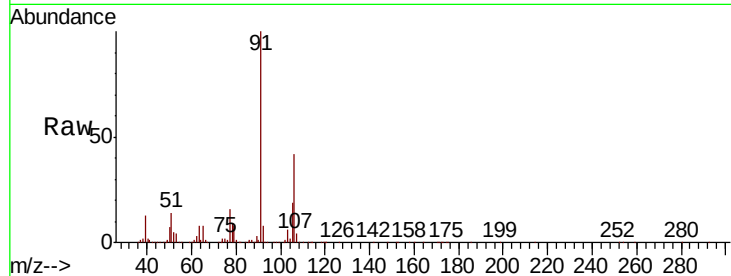
ClientSampled :

Tot Ion: 91 Resp: 4041543

Ion Ratio Lower Upper

91 100

106 68.1 33.6 50.4#



#60

o-Xylene

Concen: 8.510 ppbv

RT: 13.72 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VL036190.D

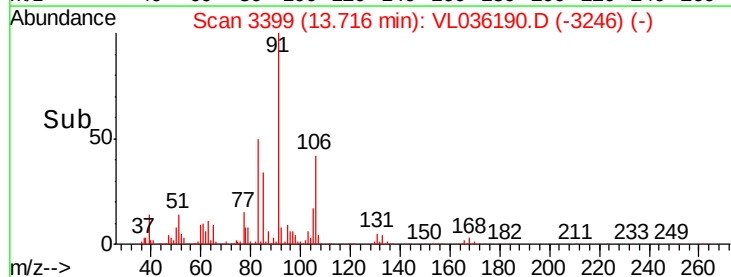
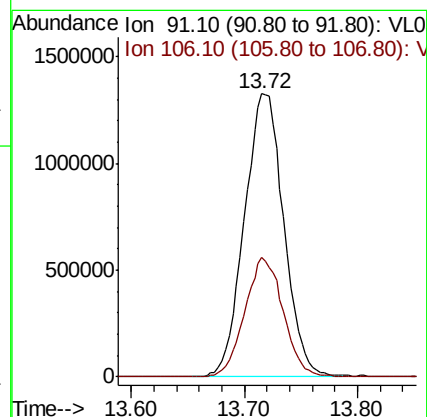
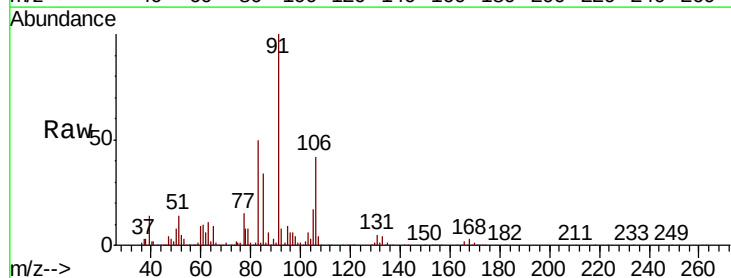
Acq: 17 Dec 2020 6:21

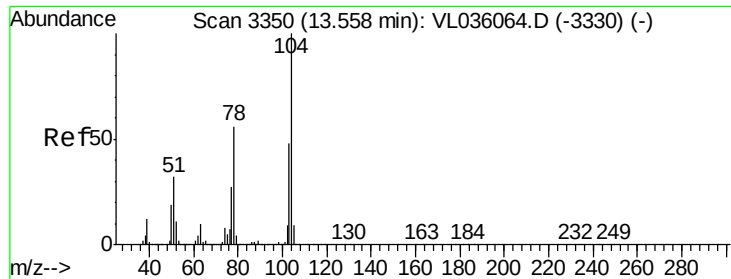
Tgt Ion: 91 Resp: 3208185

Ion Ratio Lower Upper

91 100

106 41.0 21.6 64.6





#61

Stvrene

Concen: 8.953 ppbv

RT: 13.55 min Scan# 3348

Delta R.T. -0.01 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

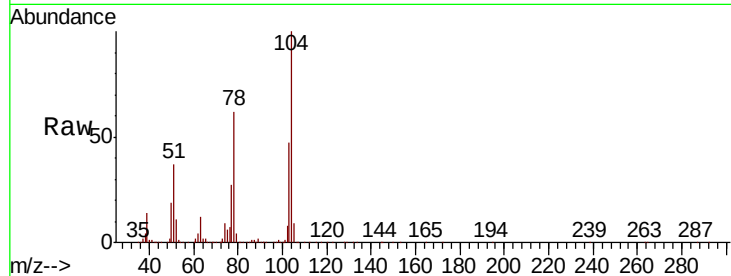
Tot Ion:104 Resp: 2166991

Ion Ratio Lower Upper

104 100

78 63.7 45.8 68.8

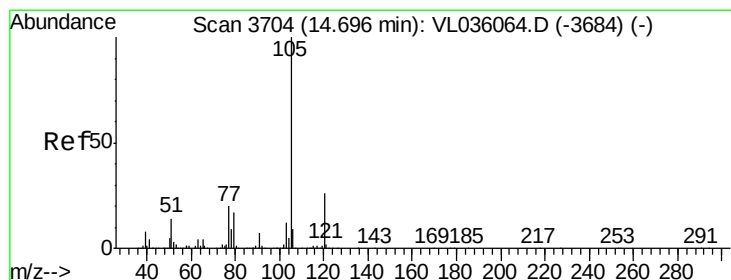
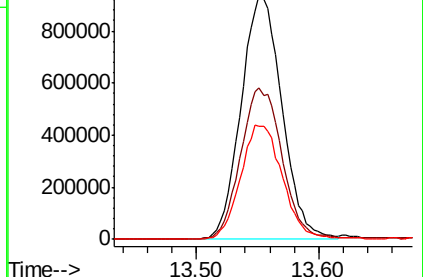
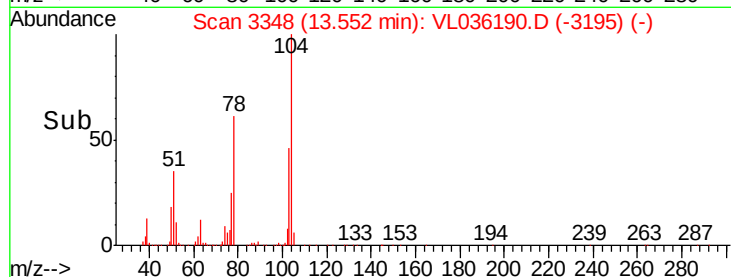
103 48.2 38.6 57.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.242 ppbv

RT: 14.69 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL036190.D

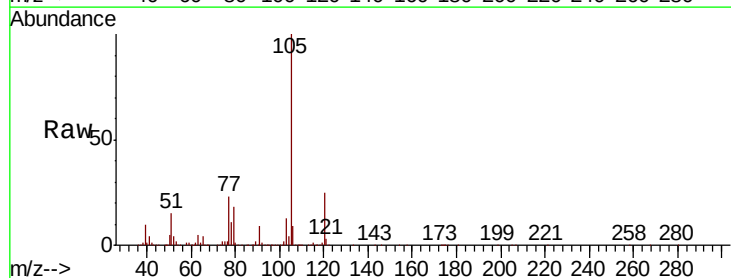
Acq: 17 Dec 2020 6:21

Tgt Ion:105 Resp: 4606013

Ion Ratio Lower Upper

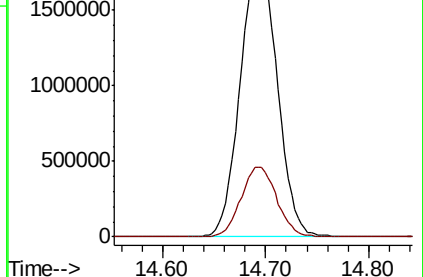
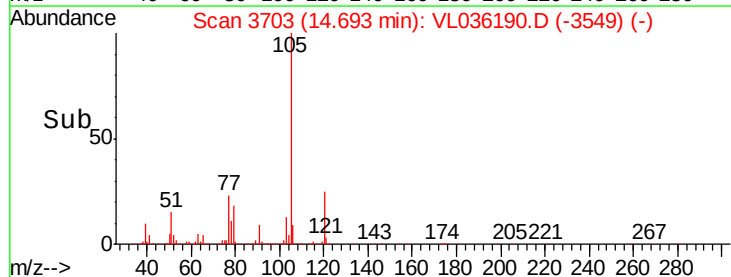
105 100

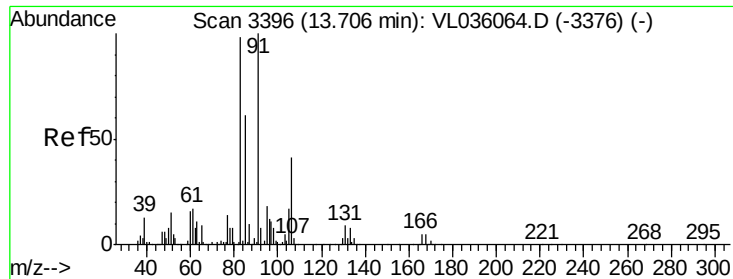
120 24.3 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

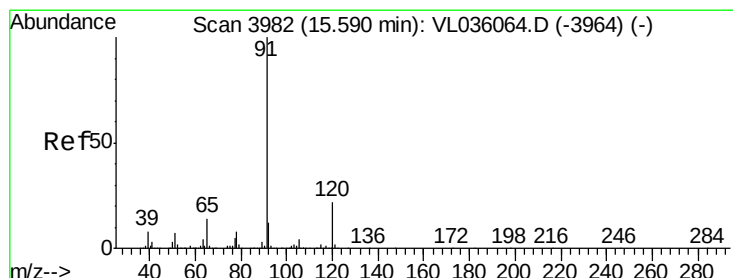
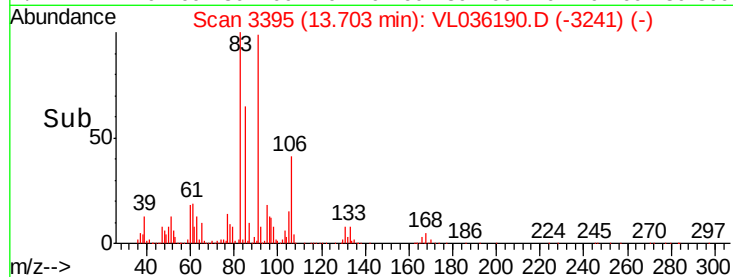
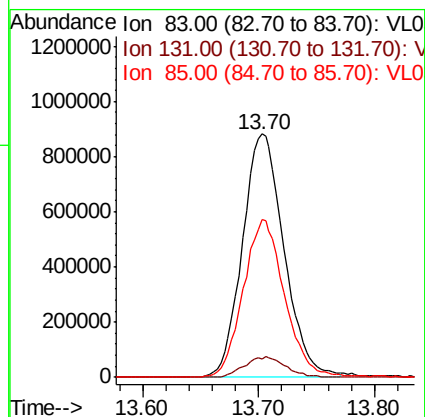
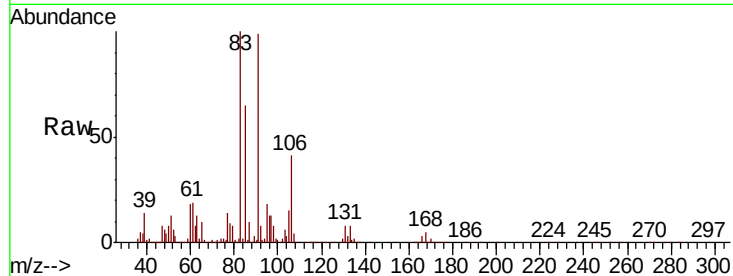




#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.669 ppbv
 RT: 13.70 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

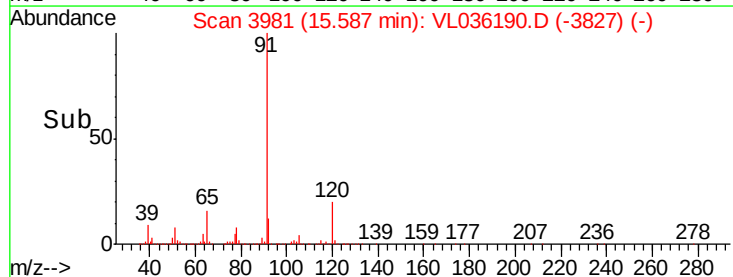
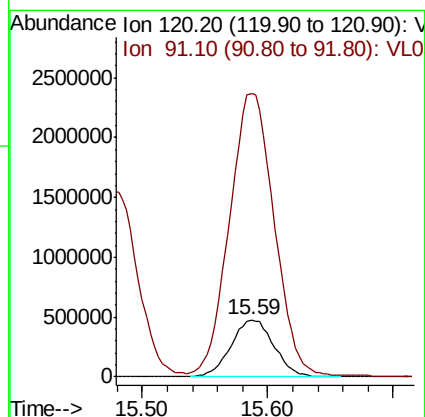
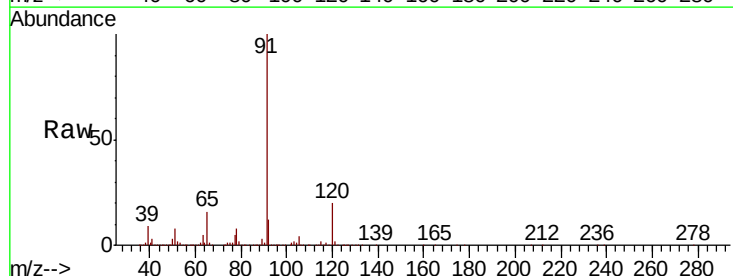
Instrument :
 MSVOA_L
 ClientSampleId :

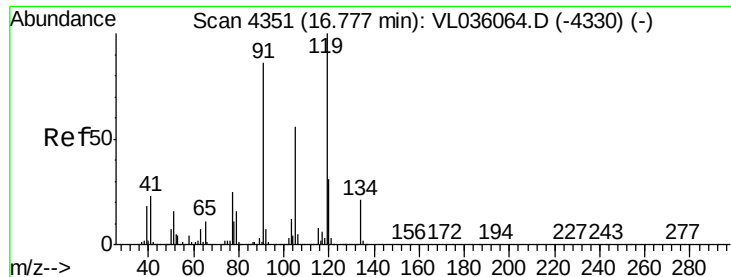
Tot Ion: 83 Resp: 2201097
 Ion Ratio Lower Upper
 83 100
 131 8.5 4.6 13.8
 85 65.1 32.5 97.5



#64
 n-propylbenzene
 Concen: 8.325 ppbv
 RT: 15.59 min Scan# 3981
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Tgt Ion:120 Resp: 1119241
 Ion Ratio Lower Upper
 120 100
 91 526.8 388.9 583.3





#65

tert-Butylbenzene

Concen: 8.398 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

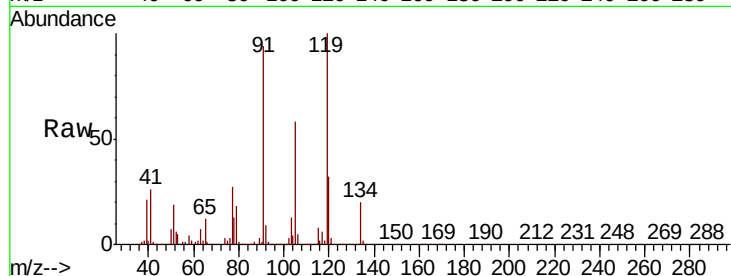
Tot Ion:119 Resp: 3841071

Ion Ratio Lower Upper

119 100

91 96.1 70.2 105.2

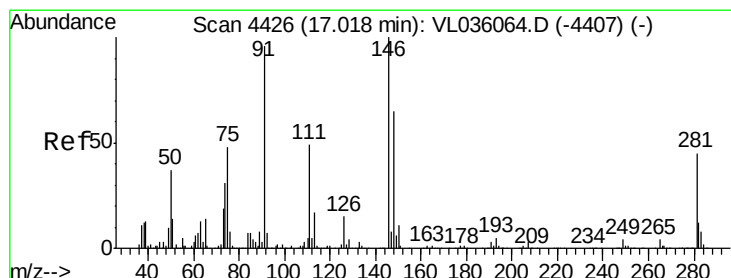
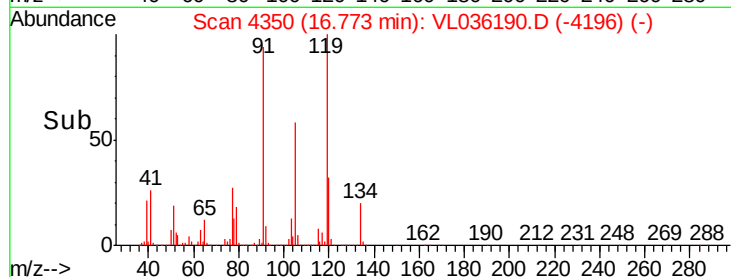
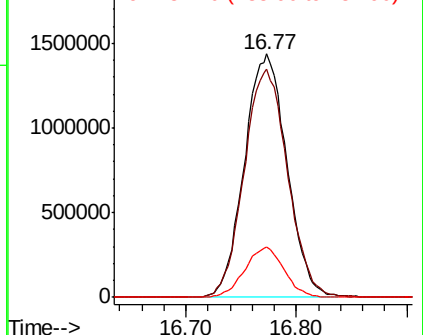
134 19.1 15.8 23.6



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.437 ppbv

RT: 17.02 min Scan# 4426

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

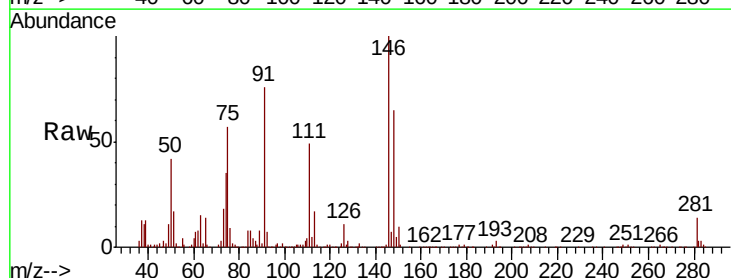
Tgt Ion: 91 Resp: 1188658

Ion Ratio Lower Upper

91 100

126 13.6 13.5 20.3

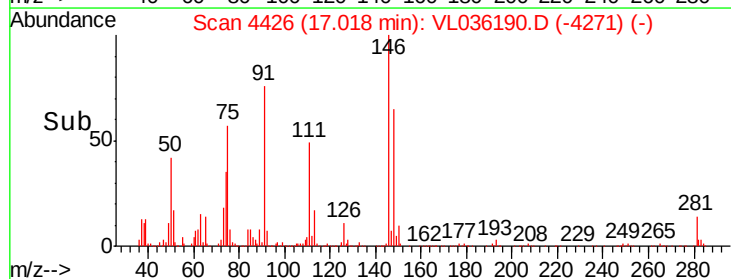
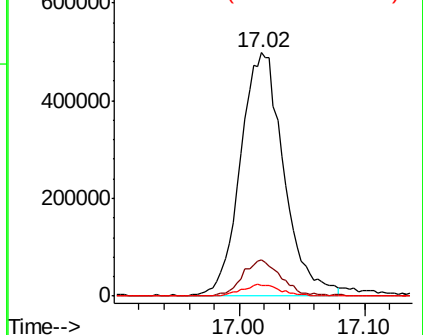
128 4.5 4.4 6.6

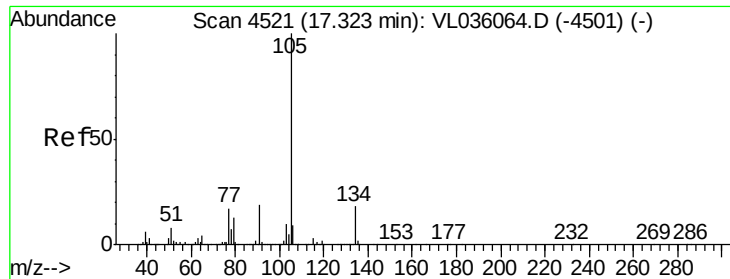


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

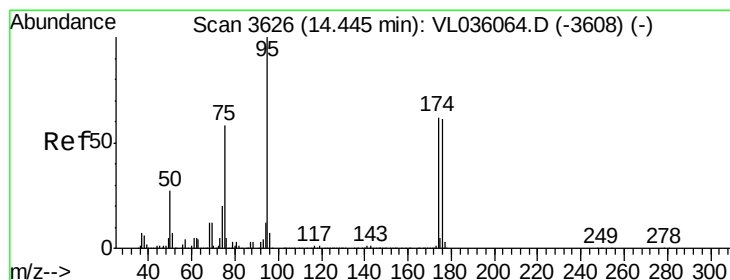
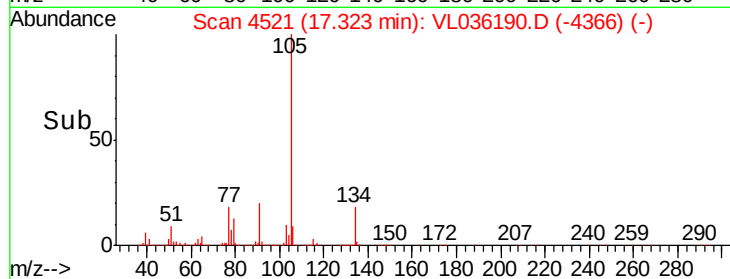
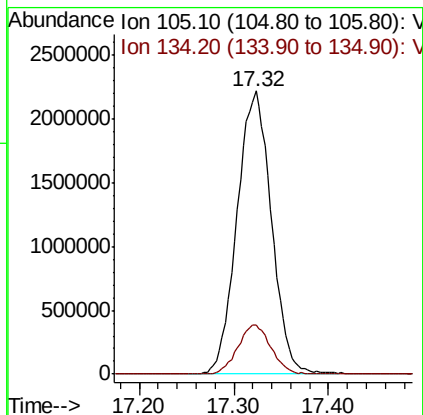
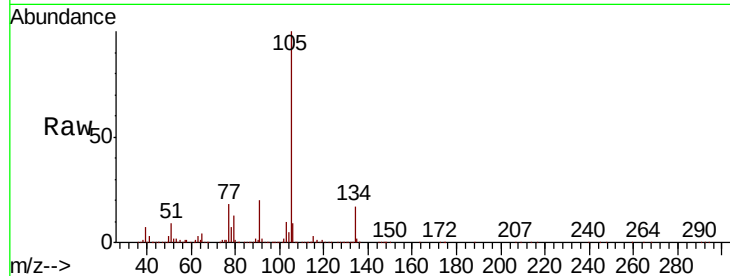




#67
 sec-Butylbenzene
 Concen: 8.753 ppbv
 RT: 17.32 min Scan# 4521
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

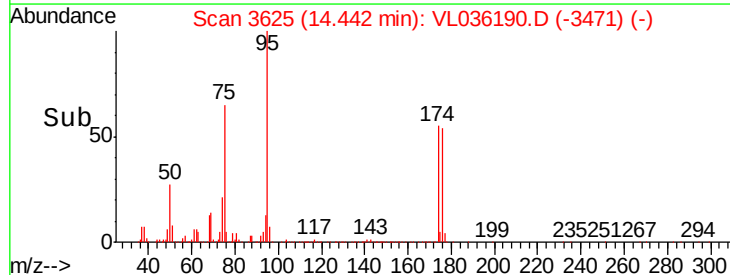
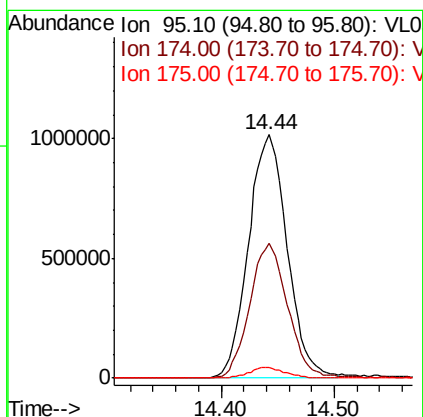
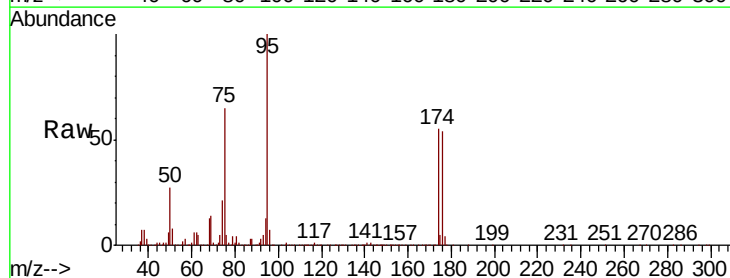
Instrument :
 MSVOA_L
 ClientSampleId :

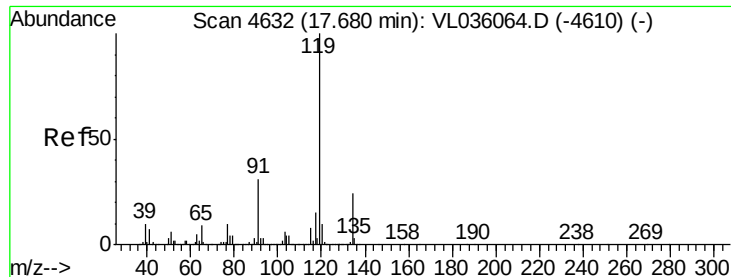
Tot Ion:105 Resp: 5603094
 Ion Ratio Lower Upper
 105 100
 134 16.8 14.2 21.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.787 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Tgt Ion: 95 Resp: 2418642
 Ion Ratio Lower Upper
 95 100
 174 55.1 50.7 76.1
 175 4.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 8.648 ppbv

RT: 17.68 min Scan# 4632

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

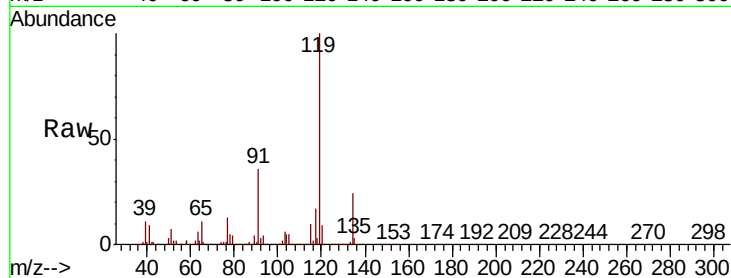
Tot Ion:119 Resp: 4403266

Ion Ratio Lower Upper

119 100

134 24.3 19.8 29.6

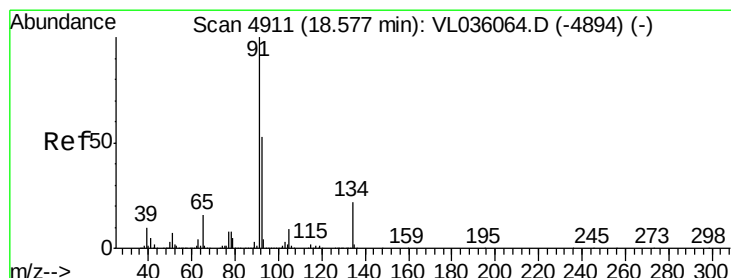
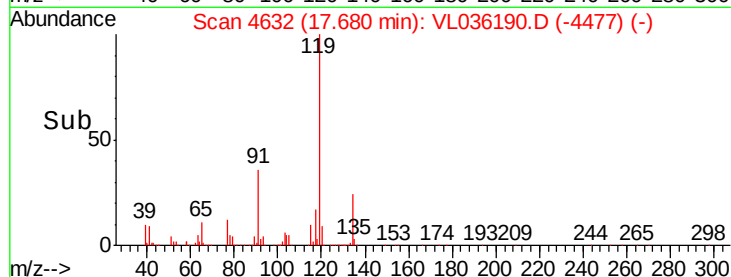
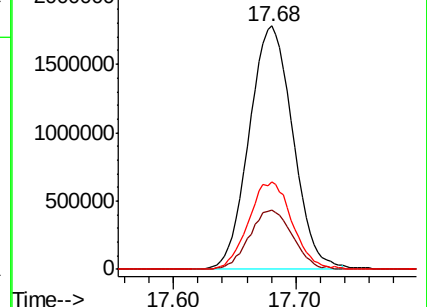
91 35.9 25.8 38.6



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: 9.818 ppbv

RT: 18.58 min Scan# 4911

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

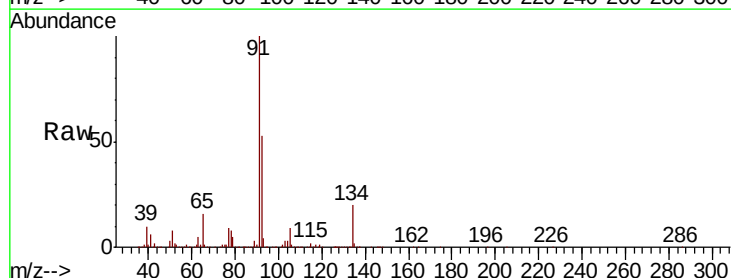
Tgt Ion: 91 Resp: 4941143

Ion Ratio Lower Upper

91 100

92 54.0 43.3 64.9

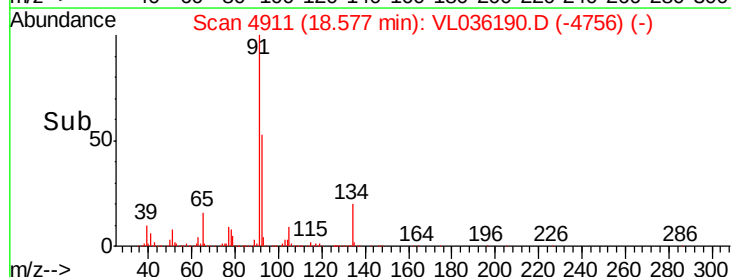
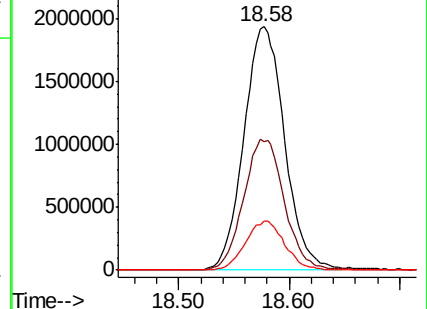
134 19.6 17.1 25.7

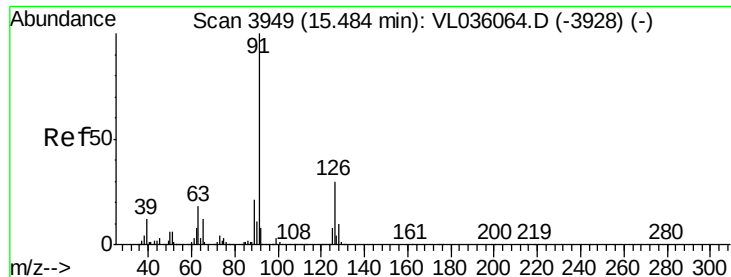


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 8.896 ppbv

RT: 15.48 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

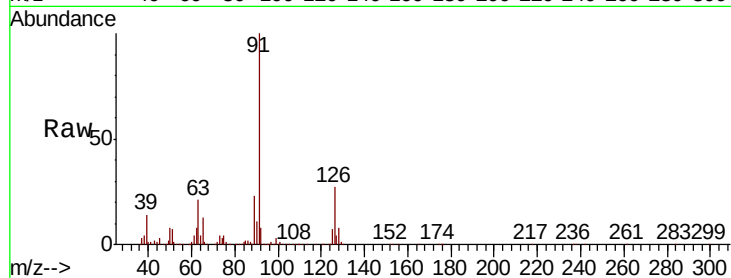
ClientSampled :

Tot Ion: 91 Resp: 3757693

Ion Ratio Lower Upper

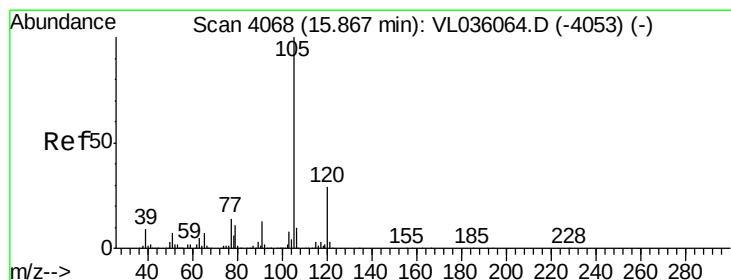
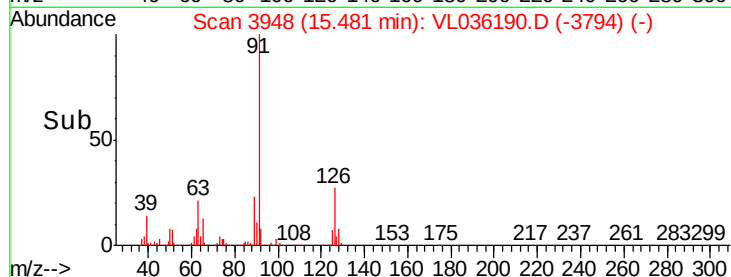
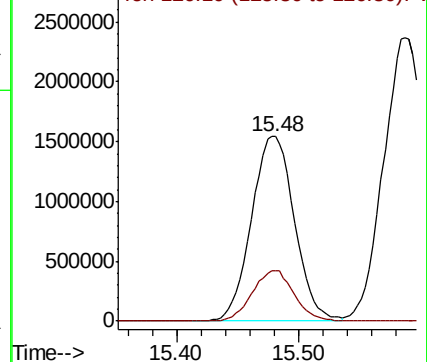
91 100

126 26.6 11.6 46.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.787 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Tgt Ion:105 Resp: 3588231

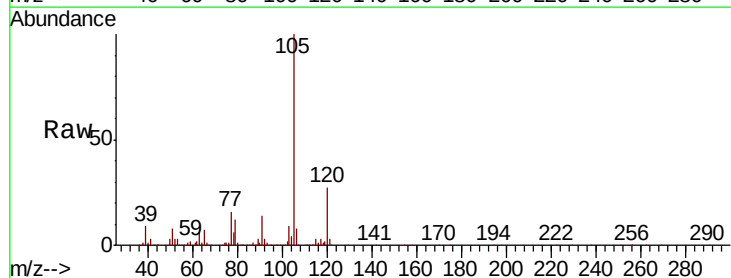
Ion Ratio Lower Upper

105 100

120 27.7 23.6 35.4

91 14.7 11.4 17.0

77 15.8 12.1 18.1

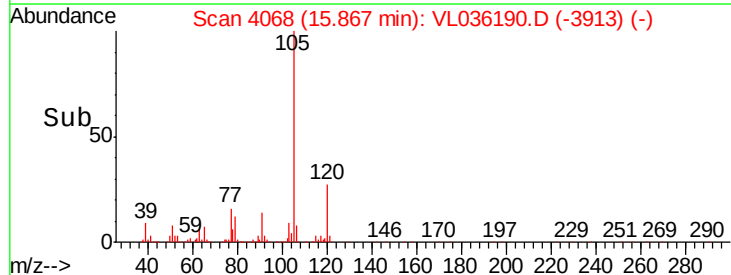
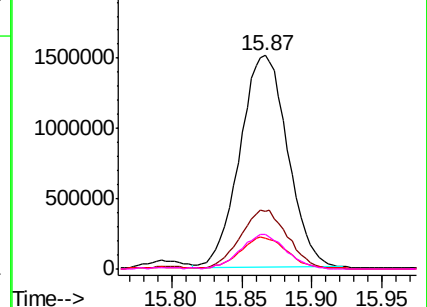


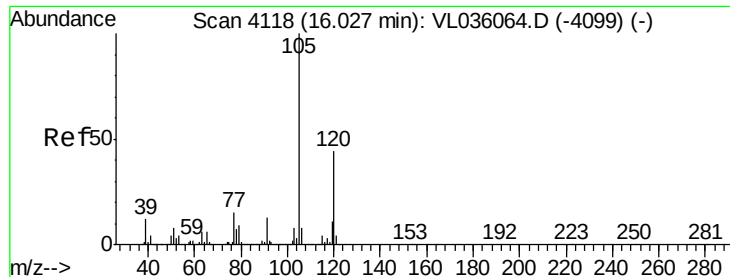
Abundance Ion 105.10 (104.80 to 105.80): V

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



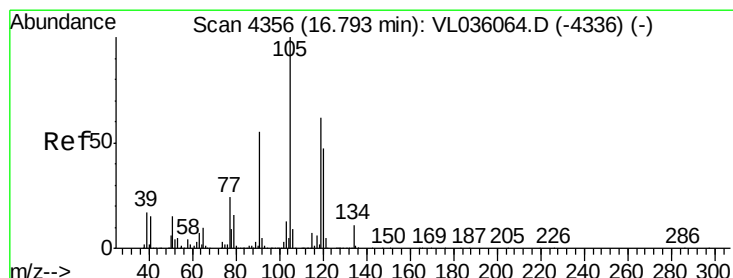
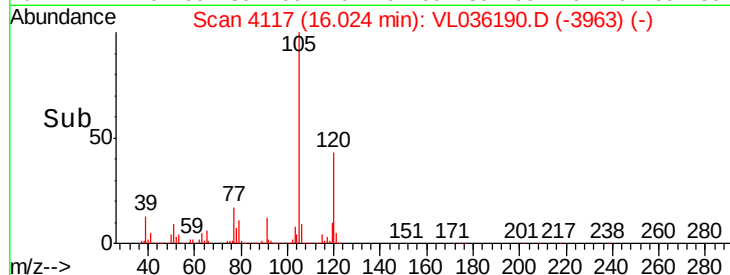
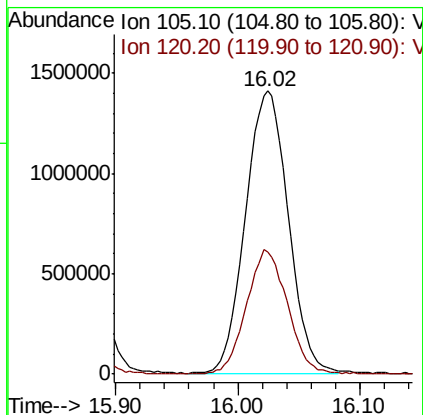
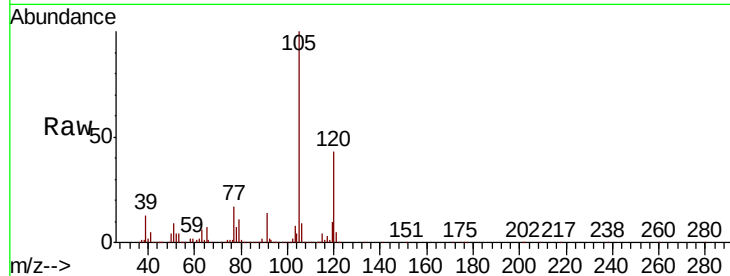


#73

1,3,5-Trimethylbenzene
Concen: 8.717 ppbv
RT: 16.02 min Scan# 4117
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Instrument :
MSVOA_L
ClientSampleId :

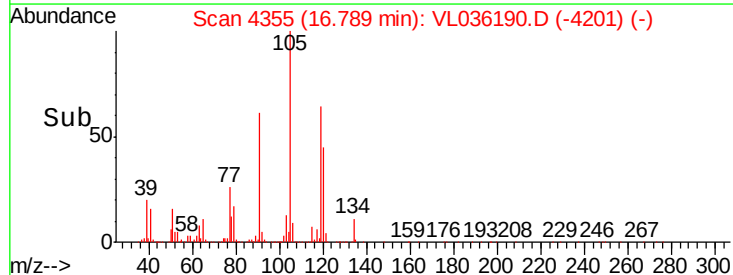
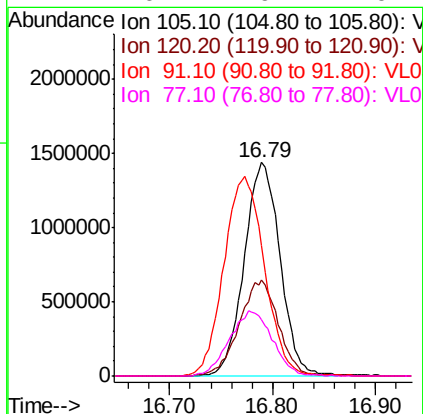
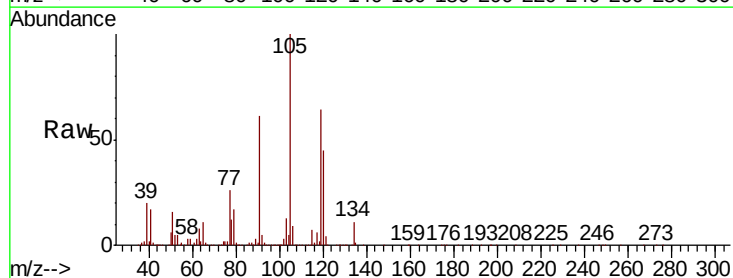
Tot Ion:105 Resp: 3399927
Ion Ratio Lower Upper
105 100
120 43.3 35.4 53.2

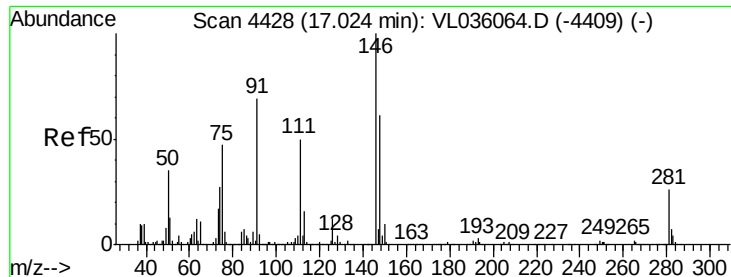


#74

1,2,4-Trimethylbenzene
Concen: 8.873 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.00 min
Lab File: VL036190.D
Acq: 17 Dec 2020 6:21

Tgt Ion:105 Resp: 3473886
Ion Ratio Lower Upper
105 100
120 44.7 37.4 56.0
91 60.9 45.6 68.4
77 26.2 19.4 29.2

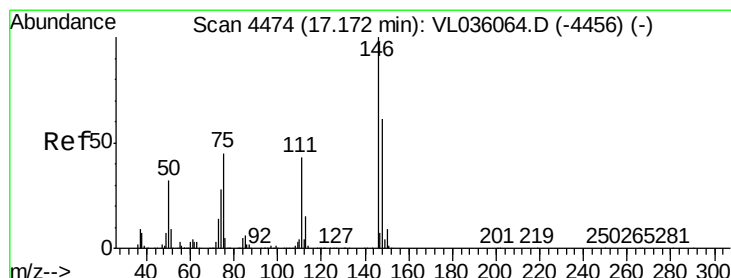
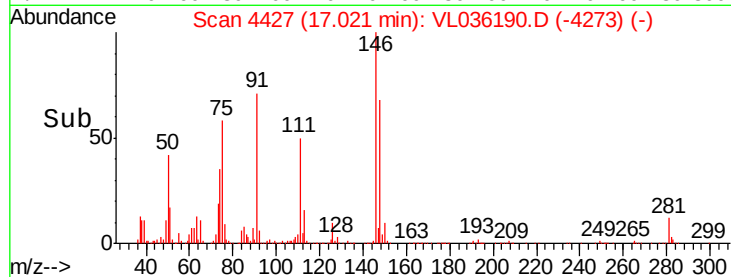
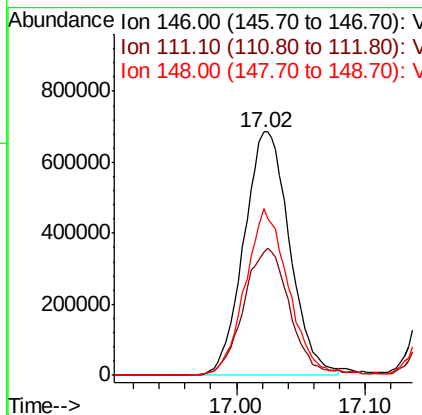
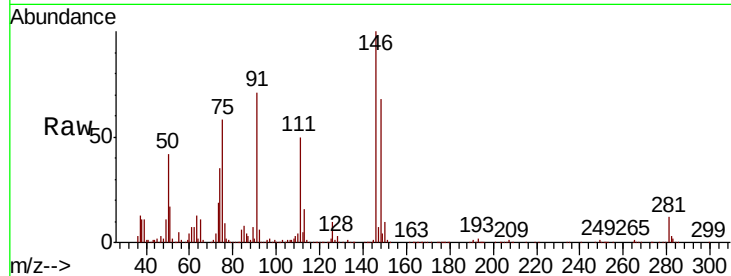




#75
 1,3-Dichlorobenzene
 Concen: 8.616 ppbv
 RT: 17.02 min Scan# 4427
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

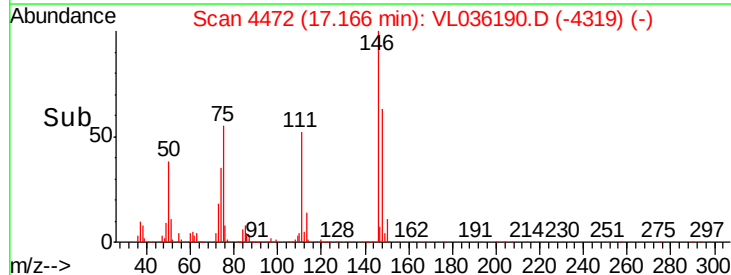
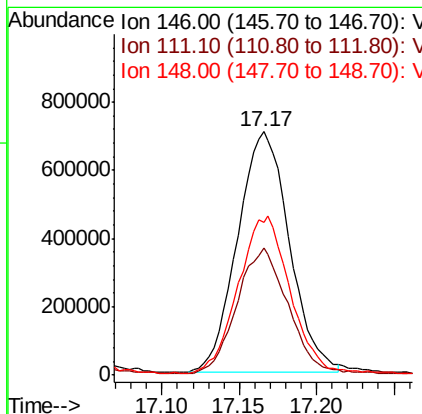
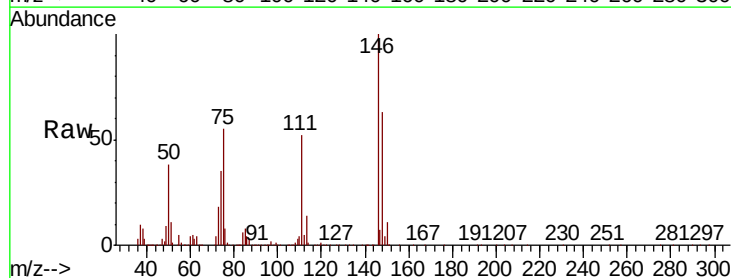
Instrument :
 MSVOA_L
 ClientSampleId :

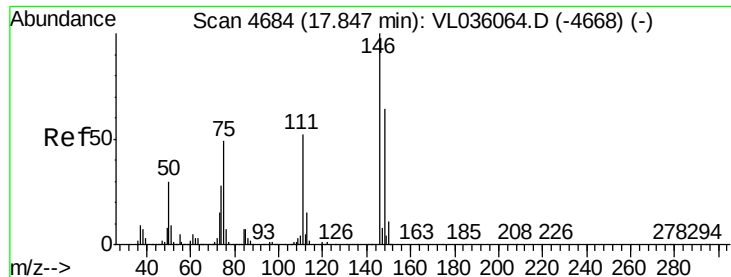
Tot Ion:146 Resp: 1688429
 Ion Ratio Lower Upper
 146 100
 111 53.1 25.1 75.3
 148 65.3 32.9 98.6



#76
 1,4-Dichlorobenzene
 Concen: 8.232 ppbv
 RT: 17.17 min Scan# 4472
 Delta R.T. -0.01 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Tgt Ion:146 Resp: 1642489
 Ion Ratio Lower Upper
 146 100
 111 53.6 24.3 72.8
 148 68.4 32.8 98.3





#77

1,2-Dichlorobenzene

Concen: 8.597 ppbv

RT: 17.85 min Scan# 4684

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampled :

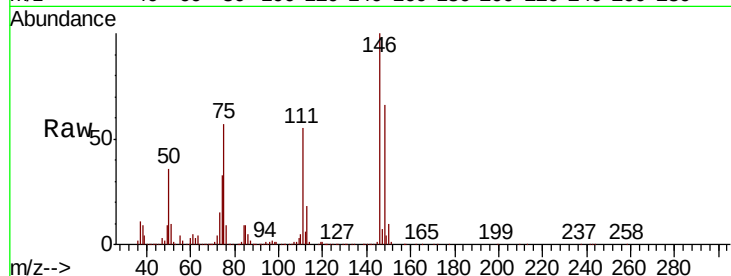
Tot Ion:146 Resp: 1608665

Ion Ratio Lower Upper

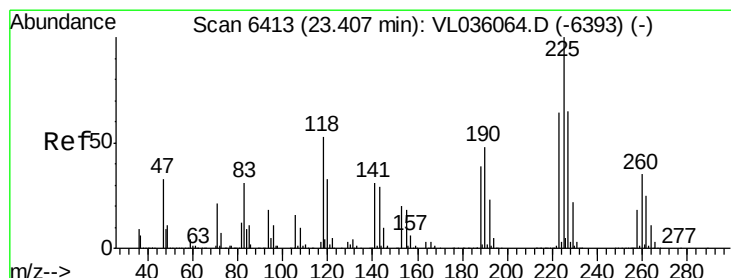
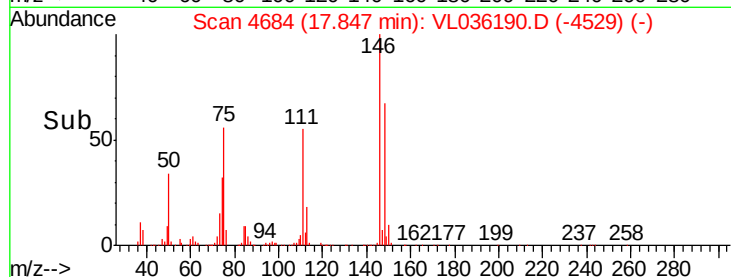
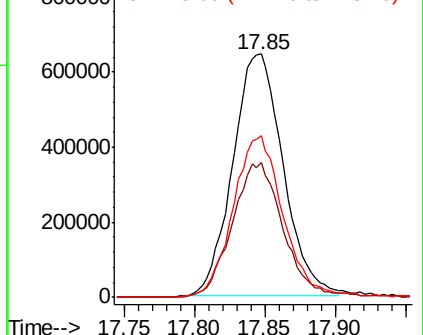
146 100

111 56.7 26.1 78.2

148 66.9 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



#78

Hexachloro-1,3-Butadiene

Concen: 6.877 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

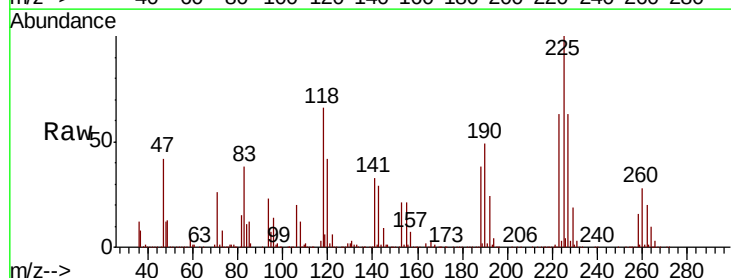
Tgt Ion:225 Resp: 1031414

Ion Ratio Lower Upper

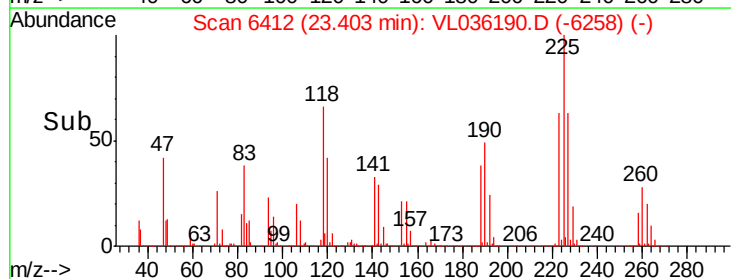
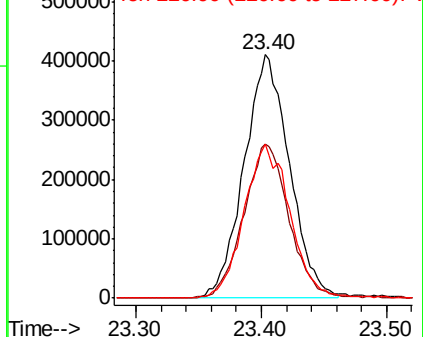
225 100

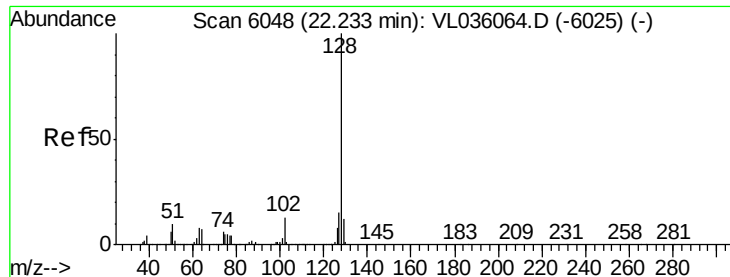
223 63.5 51.1 76.7

227 64.2 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





#79

Naphthalene

Concen: 9.986 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

Instrument :

MSVOA_L

ClientSampleId :

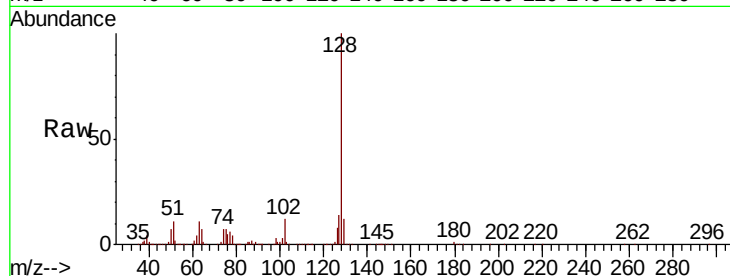
Tot Ion:128 Resp: 1987386

Ion Ratio Lower Upper

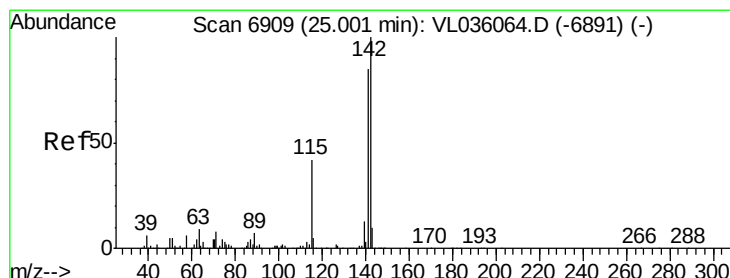
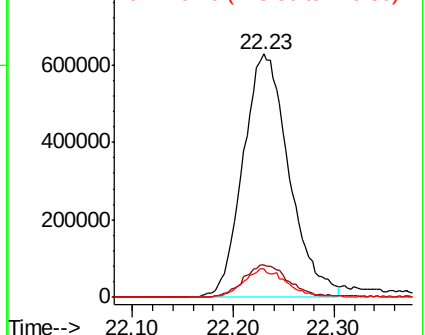
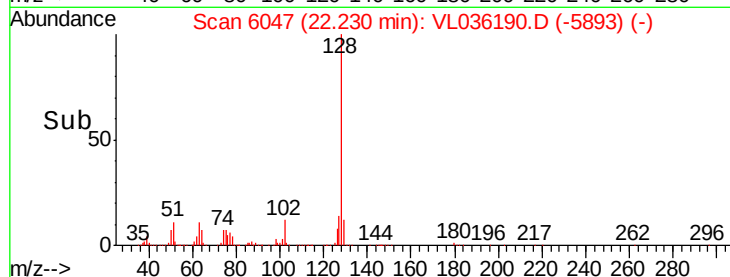
128 100

127 13.6 11.7 17.5

129 11.9 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: 12.219 ppbv

RT: 25.00 min Scan# 6909

Delta R.T. -0.00 min

Lab File: VL036190.D

Acq: 17 Dec 2020 6:21

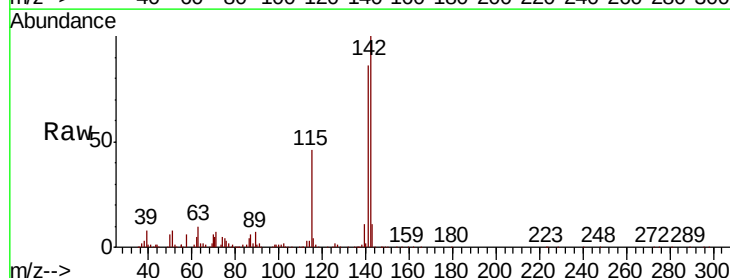
Tgt Ion:142 Resp: 543743

Ion Ratio Lower Upper

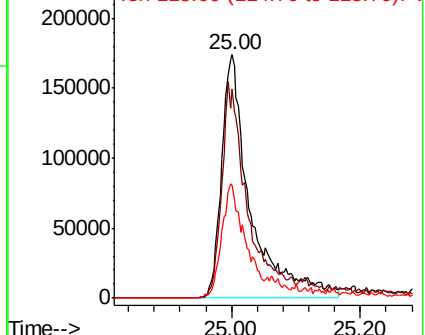
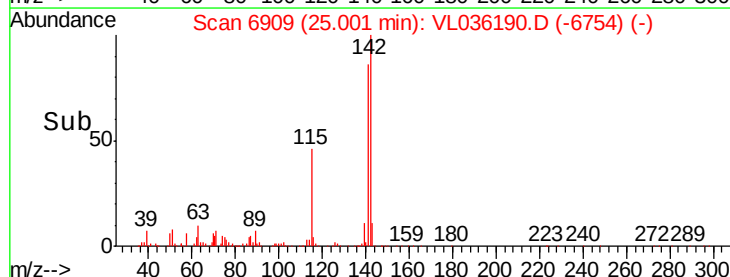
142 100

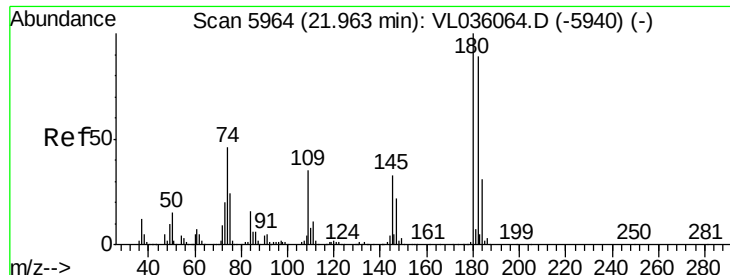
141 78.4 64.3 96.5

115 45.3 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: 3.529 ppbv
 RT: 21.96 min Scan# 5964
 Delta R.T. -0.00 min
 Lab File: VL036190.D
 Acq: 17 Dec 2020 6:21

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	0.0	0.0
184	70.8	0.0	0.0#

