

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036131.D
 Acq On : 10 Dec 2020 13:53
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:51:15 PM

Quant Time: Dec 11 03:38:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 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	5.66	49	1314040	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2744638	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2707518m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2242443	10.43	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1081937	7.065	ppbv	95
3) Chlorodifluoromethane	2.98	51	1546308	10.314	ppbv	99
4) Chloromethane	3.13	50	727128	9.879	ppbv	99
5) Vinyl Chloride	3.25	62	745769	9.107	ppbv	99
6) Bromomethane	3.46	94	403416	9.548	ppbv	94
7) Chloroethane	3.55	64	258801	9.278	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	1604215	9.426	ppbv	91
9) Propene	3.00	41	701645	9.342	ppbv	99
10) Heptane	8.12	43	1835862	9.571	ppbv	99
11) Trichlorofluoromethane	3.94	101	1799922	9.997	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1118883	9.151	ppbv	95
13) Ethanol	3.60	45	103222m	9.970	ppbv	
14) Bromoethene	3.73	108	477113	9.511	ppbv	96
15) Acetone	3.84	43	1398552	8.856	ppbv	95
16) 1,3-Butadiene	3.32	39	771557	9.700	ppbv	98
17) tert-Butyl alcohol	4.28	59	1187155	7.761	ppbv	99
18) 1,1-Dichloroethene	4.28	96	502257	9.252	ppbv	96
19) Isopropyl Alcohol	3.96	45	793404	8.220	ppbv #	100
20) Methylene Chloride	4.33	84	457342	7.067	ppbv	95
21) Allyl Chloride	4.40	41	934881	8.903	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	485272	8.928	ppbv	93
23) Vinyl Acetate	5.07	43	1989146	9.460	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1362415	9.213	ppbv	97
25) Ethyl Acetate	5.67	43	3003007	9.518	ppbv	100
26) Hexane	5.68	57	1253106	8.825	ppbv	97
27) Carbon Disulfide	4.54	76	1291074	9.149	ppbv	98
28) Methyl tert-Butyl Ether	5.02	73	1787131	8.853	ppbv	100
29) Chloroform	5.74	83	1883121	10.099	ppbv	98
30) Cyclohexane	7.12	84	983583	9.430	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1300813	10.078	ppbv	93
32) 1,1,1-Trichloroethane	6.51	97	1879688	9.769	ppbv	98
34) 2-Butanone	5.24	43	1859343	10.213	ppbv	100
35) Carbon Tetrachloride	7.01	117	1778781	11.114	ppbv	97
36) Benzene	6.89	78	2506209	10.775	ppbv	97
37) 1,2-Dichloroethane	6.30	62	1591615	11.809	ppbv	99
38) Trichloroethene	7.83	130	777359	8.940	ppbv	90
39) 1,2-Dichloropropane	7.61	63	1001755	10.905	ppbv	94
40) 1,4-Dioxane	7.83	88	292560m	10.126	ppbv	
41) Tetrahydrofuran	6.04	42	1152908	10.660	ppbv	99
42) Bromodichloromethane	7.79	83	2063672	11.490	ppbv	97
43) Methyl Methacrylate	8.01	69	1116178	11.186	ppbv	97

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Quant Time: Dec 11 03:38:29 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4496833	10.675	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1167668	11.390	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1425678	11.095	ppbv	97
47) 1,1,2-Trichloroethane	9.47	97	941047	10.649	ppbv	96
48) Dibromochloromethane	10.30	129	1452233	10.882	ppbv	100
49) Bromoform	13.04	173	1123405	10.695	ppbv	98
50) 4-Methyl-2-Pentanone	8.74	43	2975822	10.960	ppbv	99
51) 2-Hexanone	10.13	43	2371781	11.175	ppbv #	97
52) Tetrachloroethene	11.22	164	731704	8.690	ppbv	93
53) Toluene	9.80	91	2739315	10.488	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1385516	10.459	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.12	131	1085929	9.673	ppbv	96
57) Chlorobenzene	12.15	112	1792742	9.432	ppbv	96
58) Ethyl Benzene	12.71	91	3729934	10.052	ppbv	99
59) m/p-Xylene	12.99	91	6256813m	20.021	ppbv	
60) o-Xylene	13.69	91	2905914	9.869	ppbv	96
61) Styrene	13.53	104	1889622	9.996	ppbv	96
62) Isopropylbenzene	14.67	105	4145502	9.498	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.68	83	1928297	9.724	ppbv	99
64) n-propylbenzene	15.56	120	998150	9.506	ppbv	87
65) tert-Butylbenzene	16.74	119	3247095m	9.089	ppbv	
66) Benzyl Chloride	16.99	91	784250	8.816	ppbv	96
67) sec-Butylbenzene	17.29	105	4713796	9.428	ppbv	97
69) p-Isopropyltoluene	17.65	119	3662723	9.210	ppbv	97
70) n-Butylbenzene	18.55	91	3971527	10.104	ppbv	99
71) 2-Chlorotoluene	15.45	91	3296983	9.993	ppbv	95
72) 4-Ethyltoluene	15.84	105	3159090	9.904	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	2923331	9.597	ppbv	95
74) 1,2,4-Trimethylbenzene	16.77	105	2891989	9.458	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1399868	9.146	ppbv	97
76) 1,4-Dichlorobenzene	17.14	146	1354376	8.691	ppbv	95
77) 1,2-Dichlorobenzene	17.82	146	1293358	8.850	ppbv	97
78) Hexachloro-1,3-Butadiene	23.38	225	960527	8.200	ppbv	99
79) Naphthalene	22.20	128	1717038	11.047	ppbv	99
80) Naphthalene, 2-methyl-	24.98	142	711265	20.464	ppbv	98
81) 1,2,4-Trichlorobenzene	21.93	180	983056	9.466	ppbv #	100

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

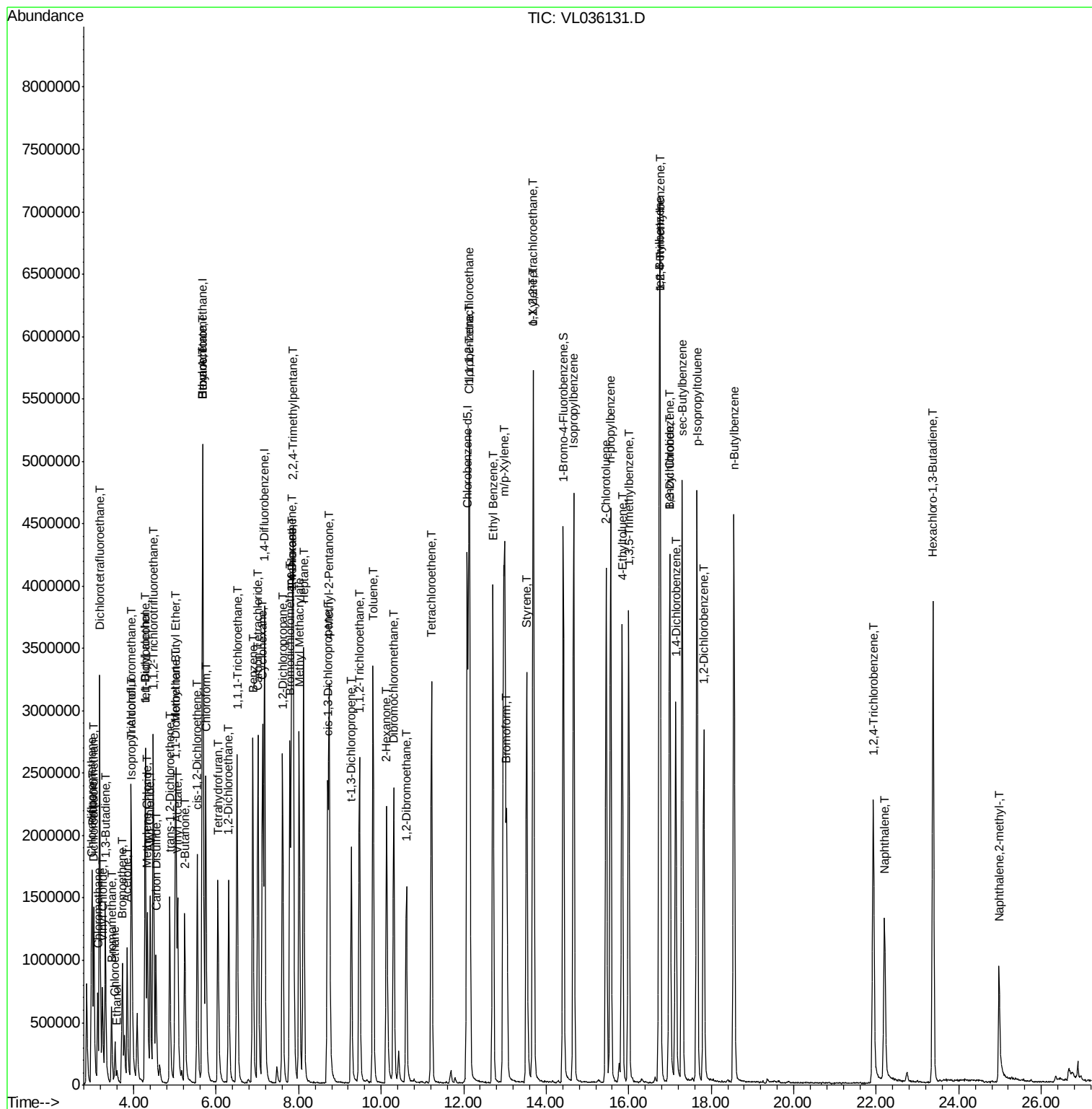
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
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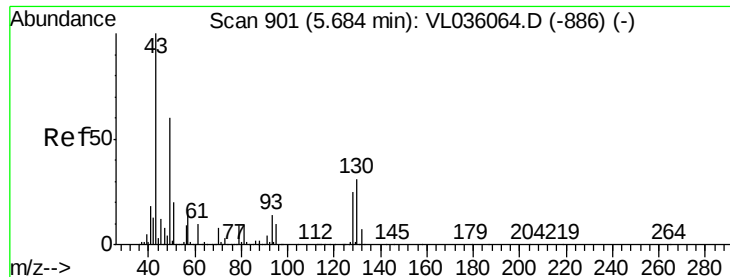
Instrument :
MSVOA_L
ClientSampled :
VSTDCCC010

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1314040

Ion Ratio Lower Upper

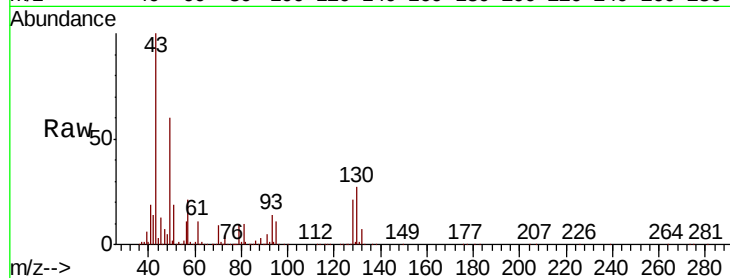
49 100

128 36.4 21.1 63.1

130 47.2 27.1 81.3

Manual Integrations
APPROVED

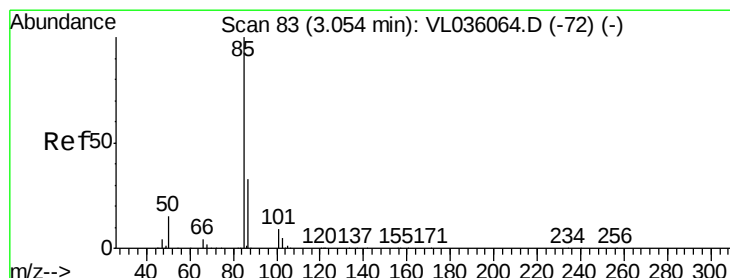
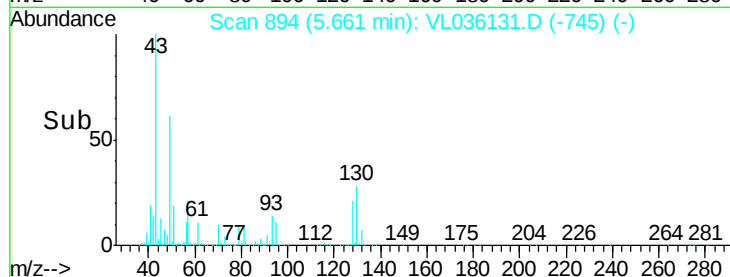
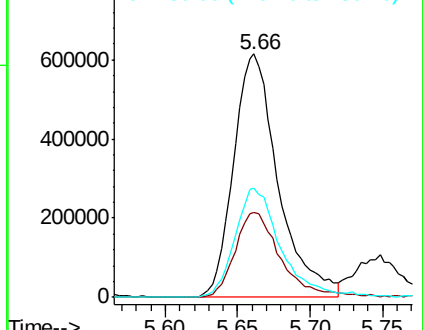
MMDadoda
12/15/2020 4:51:15 PM



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: 7.065 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL036131.D

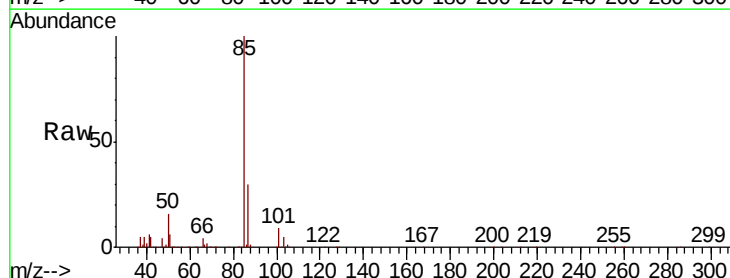
Acq: 10 Dec 2020 13:53

Tgt Ion: 85 Resp: 1081937

Ion Ratio Lower Upper

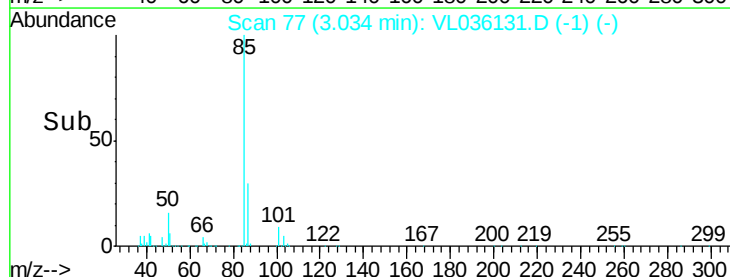
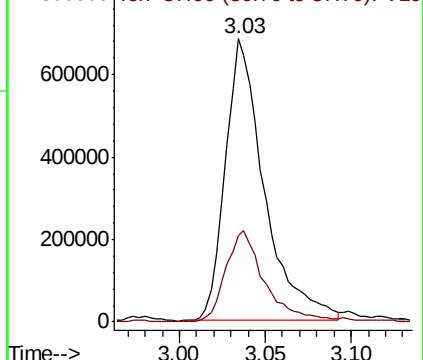
85 100

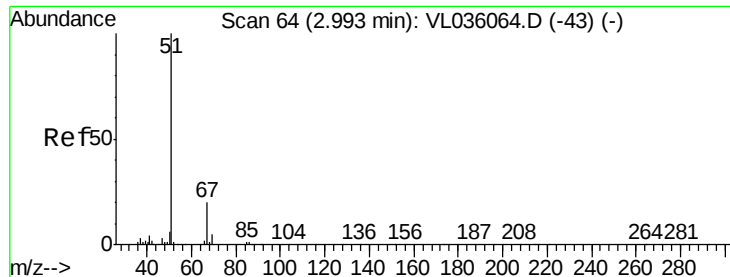
87 30.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.314 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 51 Resp: 1546308

Ion Ratio Lower Upper

51 100

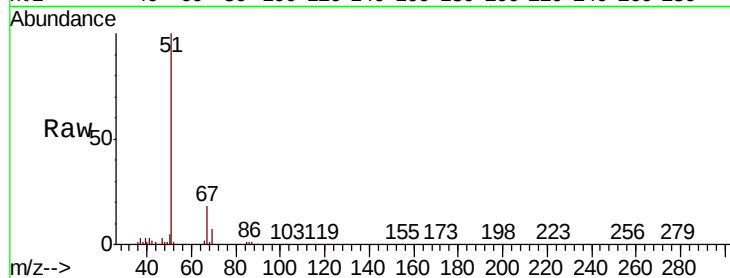
67 18.4 14.3 21.5

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

800000

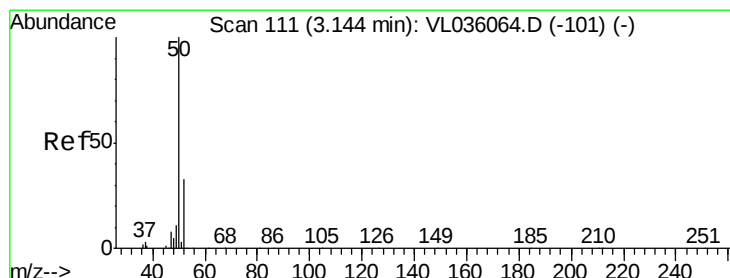
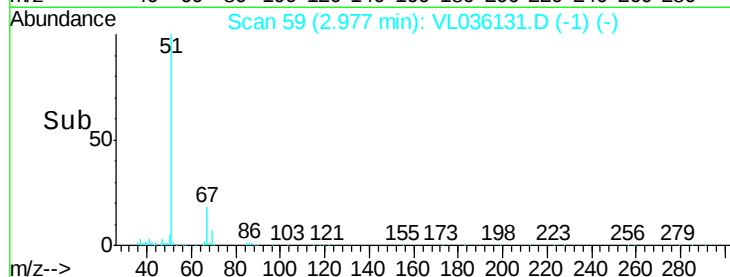
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.879 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036131.D

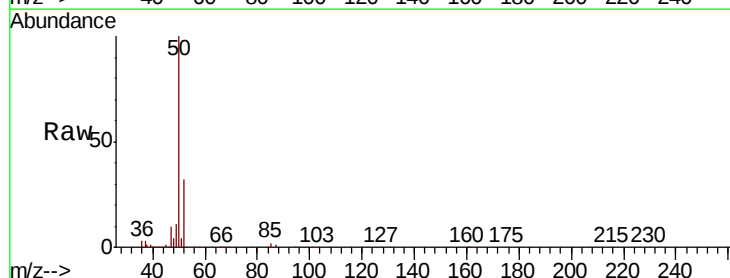
Acq: 10 Dec 2020 13:53

Tgt Ion: 50 Resp: 727128

Ion Ratio Lower Upper

50 100

52 32.1 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.13

500000

400000

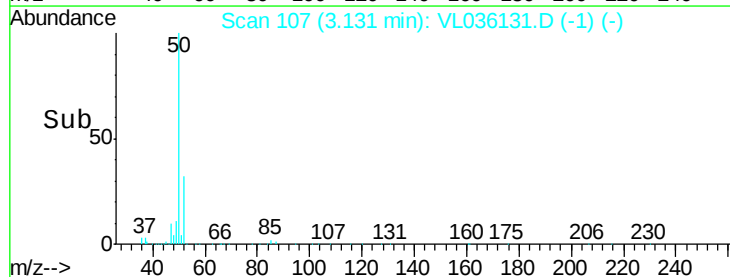
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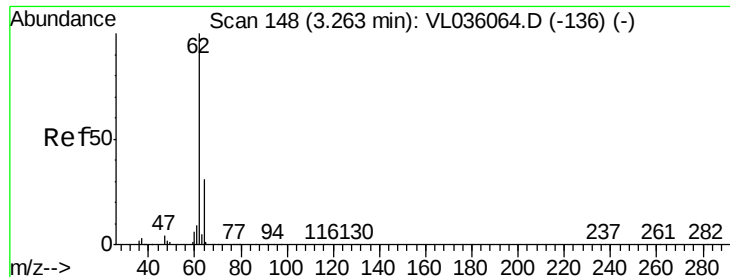
200000

100000

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Time-->





#5

Vinyl Chloride

Concen: 9.107 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 745769

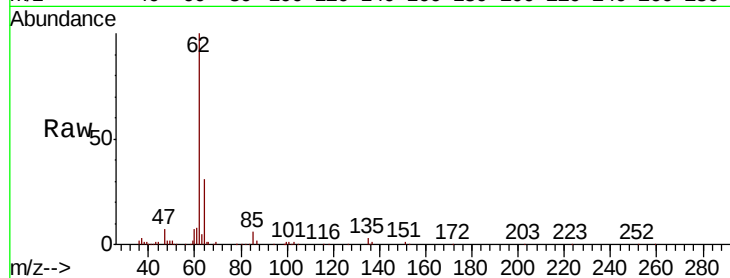
Ion Ratio Lower Upper

62 100

64 31.4 24.5 36.7

Manual Integrations
APPROVED

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.25

400000

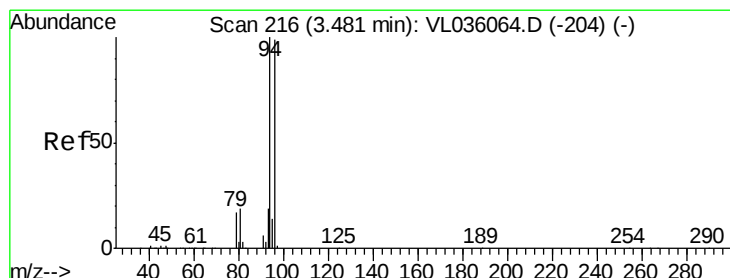
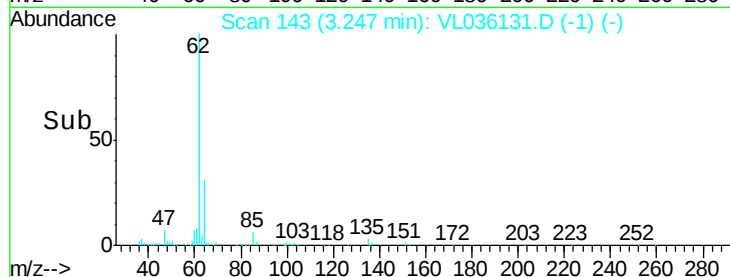
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.548 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL036131.D

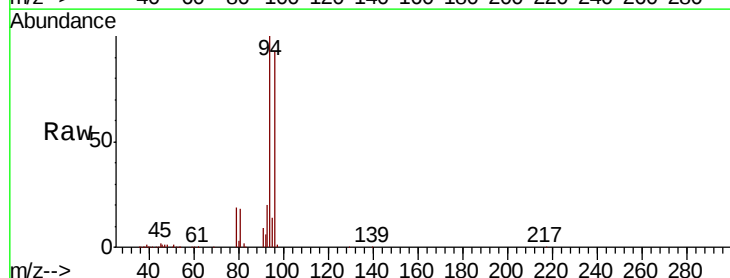
Acq: 10 Dec 2020 13:53

Tgt Ion: 94 Resp: 403416

Ion Ratio Lower Upper

94 100

96 93.1 79.4 119.0



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

250000

200000

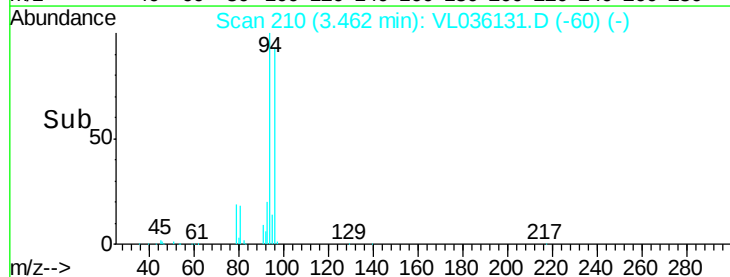
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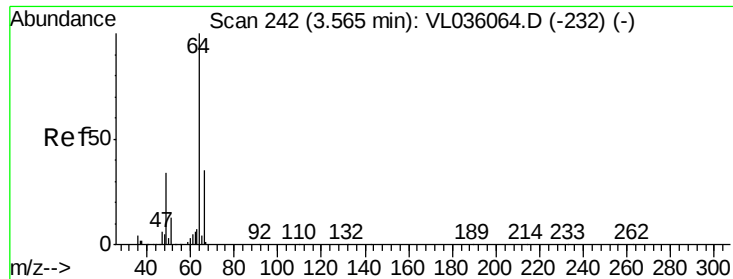
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.278 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 258801

Ion Ratio Lower Upper

64 100

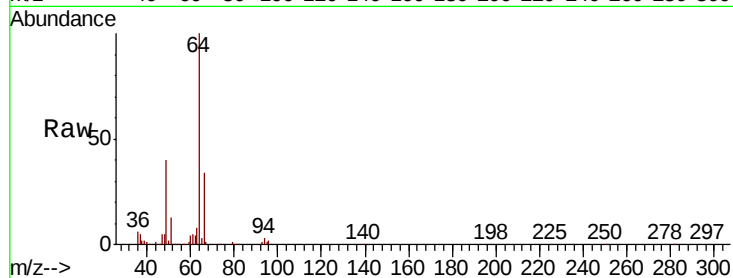
66 34.4 27.7 41.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

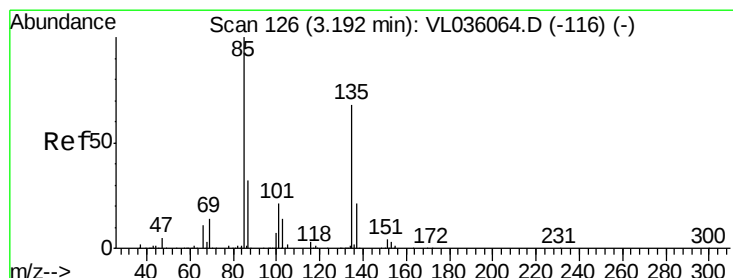
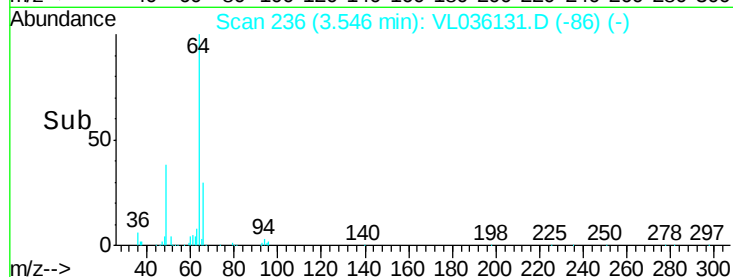
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50000

0

3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.426 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.02 min

Lab File: VL036131.D

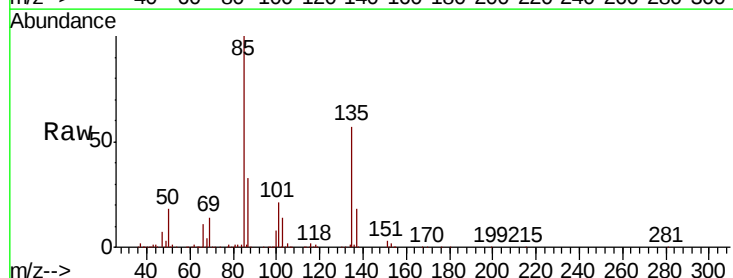
Acq: 10 Dec 2020 13:53

Tgt Ion: 85 Resp: 1604215

Ion Ratio Lower Upper

85 100

135 59.9 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

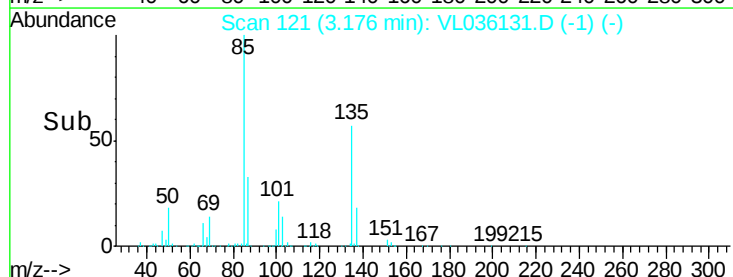
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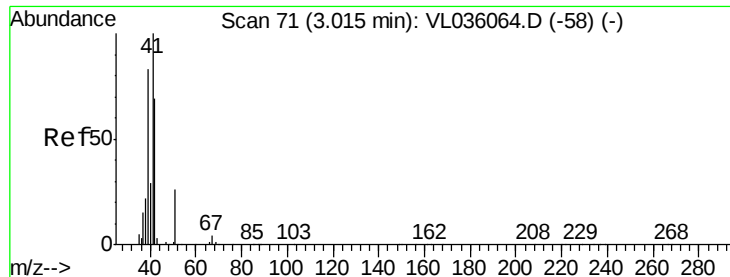
200000

0

3.10 3.15 3.20 3.25

Time-->





#9

Propene

Concen: 9.342 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 701645

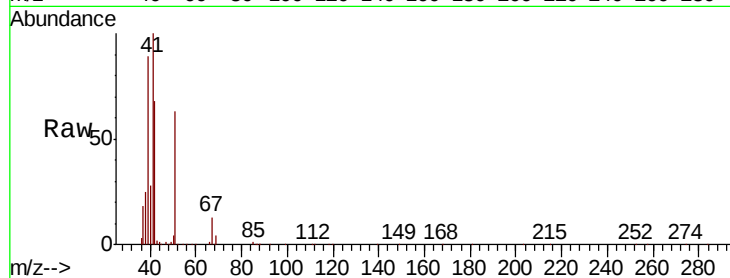
Ion Ratio Lower Upper

41 100

42 70.8 57.0 85.6

Manual Integrations
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12/15/2020 4:51:15 PM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.00

400000

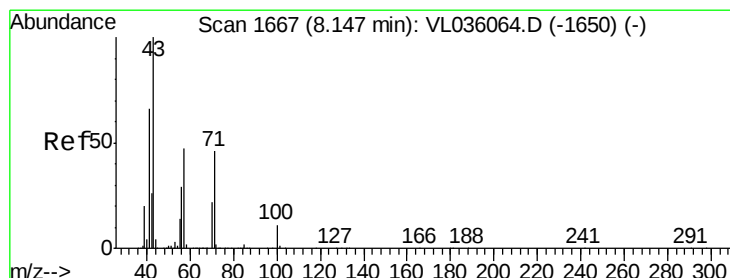
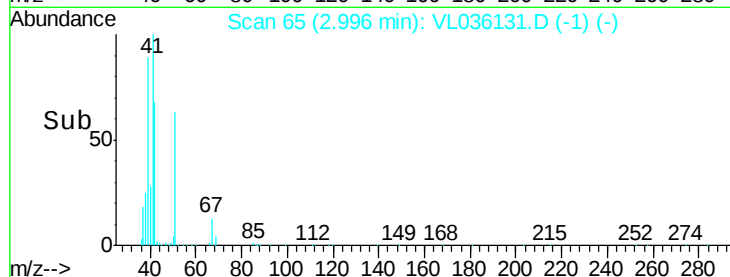
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 9.571 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.03 min

Lab File: VL036131.D

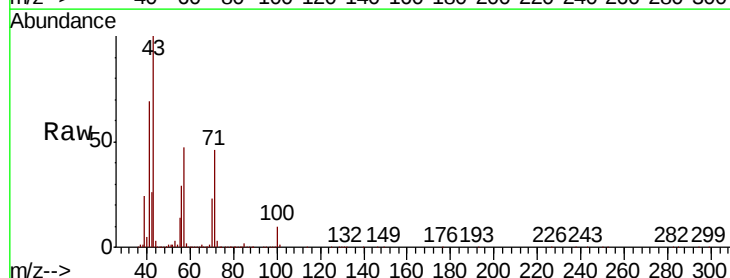
Acq: 10 Dec 2020 13:53

Tgt Ion: 43 Resp: 1835862

Ion Ratio Lower Upper

43 100

57 47.8 37.9 56.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

1000000

800000

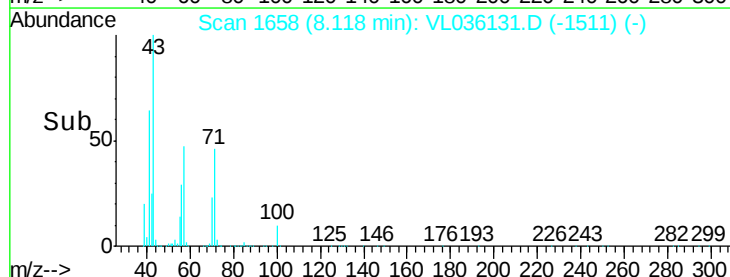
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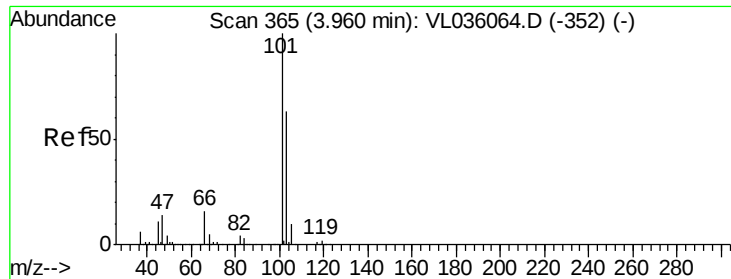
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Time-->





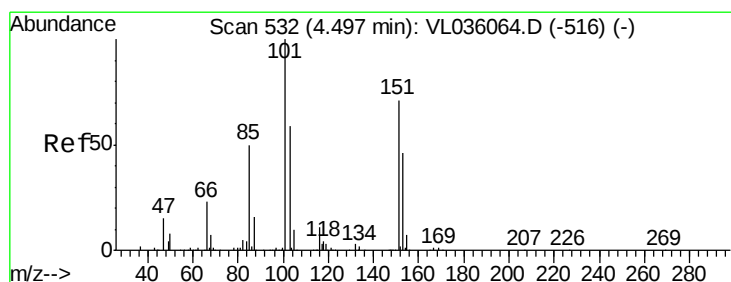
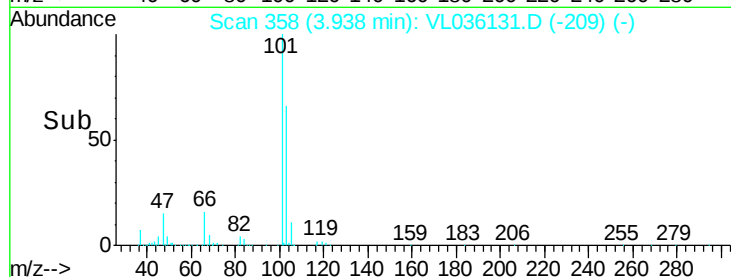
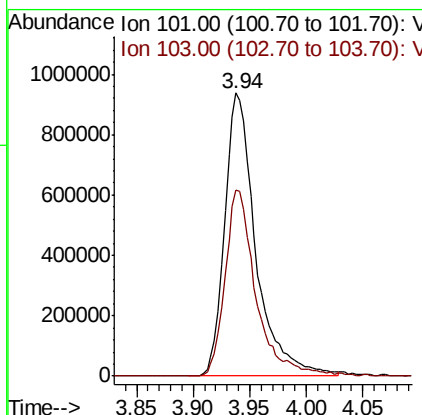
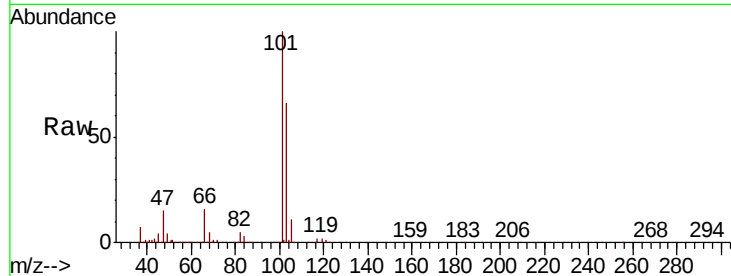
#11
 Trichlorofluoromethane
 Concen: 9.997 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. -0.02 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 1799922
 Ion Ratio Lower Upper
 101 100
 103 65.7 50.3 75.5

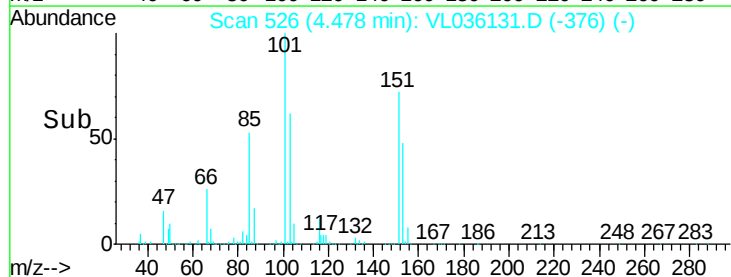
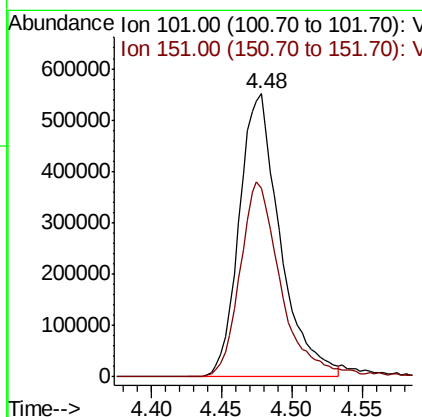
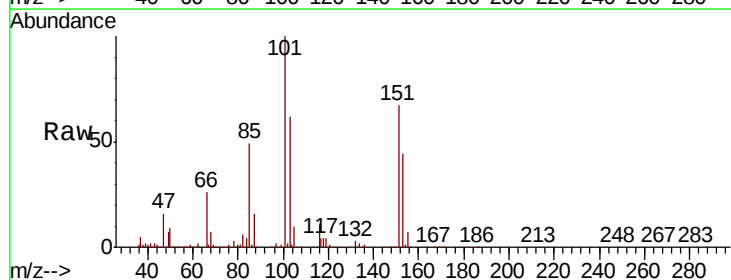
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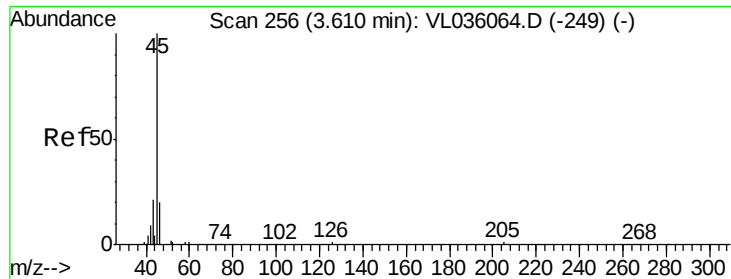
MMDadoda
 12/15/2020 4:51:15 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.151 ppbv
 RT: 4.48 min Scan# 526
 Delta R.T. -0.02 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion:101 Resp: 1118883
 Ion Ratio Lower Upper
 101 100
 151 70.0 59.3 88.9





#13

Ethanol

Concen: 9.970 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 103222

Ion Ratio Lower Upper

45 100

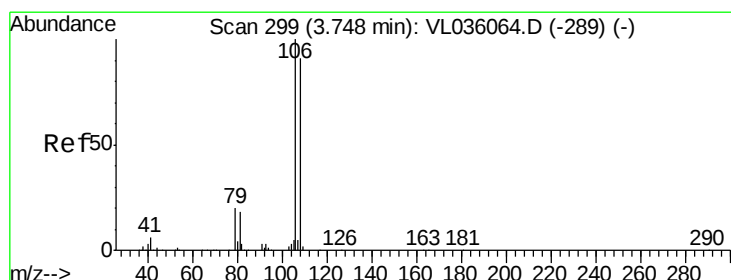
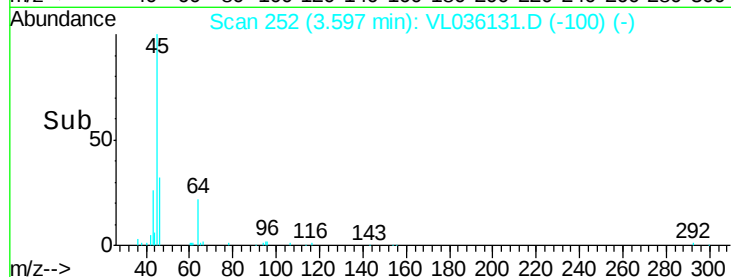
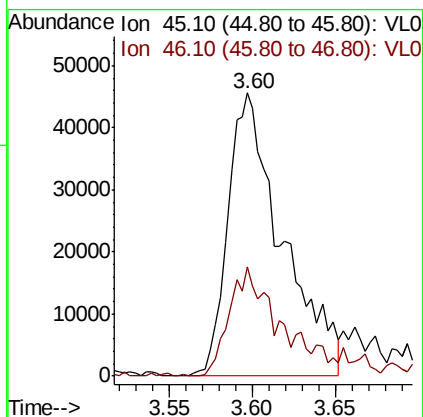
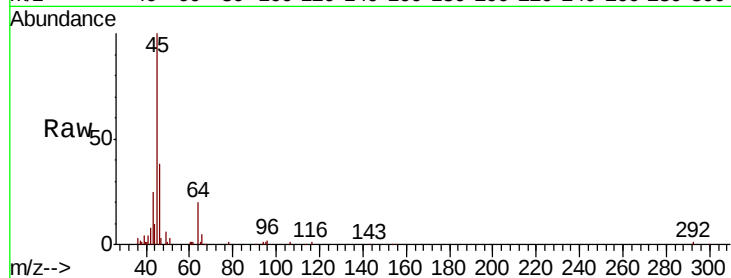
46 44.3 19.0 75.8

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#14

Bromoethene

Concen: 9.511 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

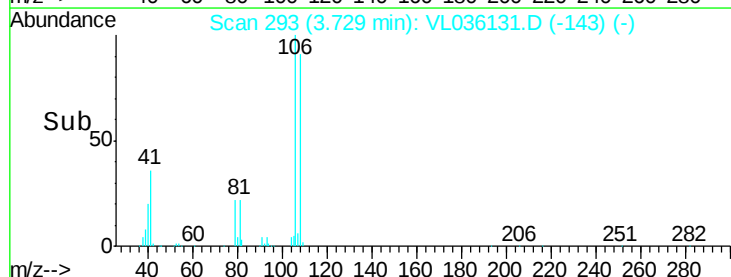
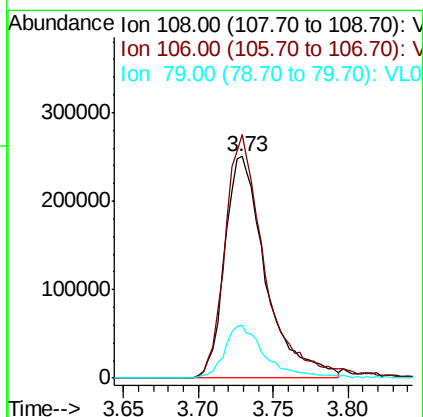
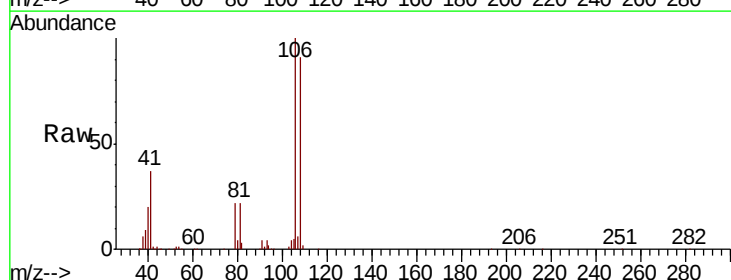
Tgt Ion: 108 Resp: 477113

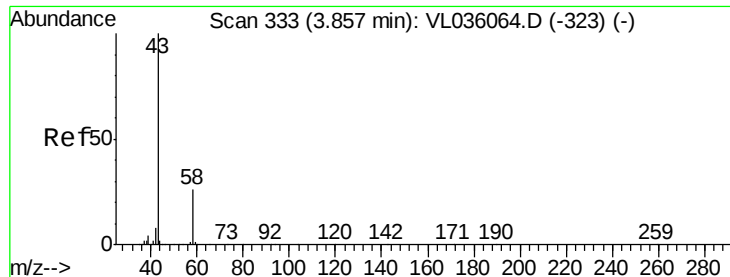
Ion Ratio Lower Upper

108 100

106 109.1 91.0 136.4

79 24.4 19.3 28.9





#15

Acetone

Concen: 8.856 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1398552

Ion Ratio Lower Upper

43 100

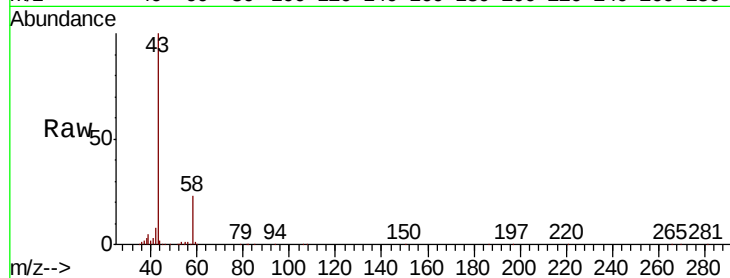
58 23.8 20.9 31.3

Manual Integrations

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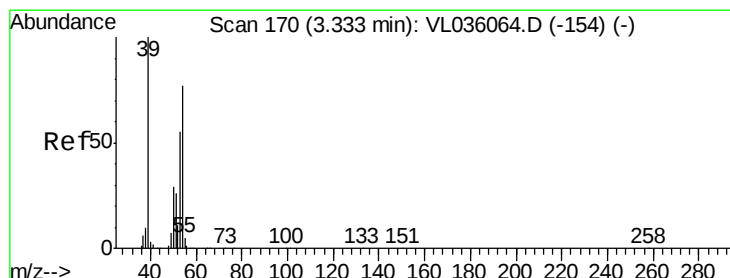
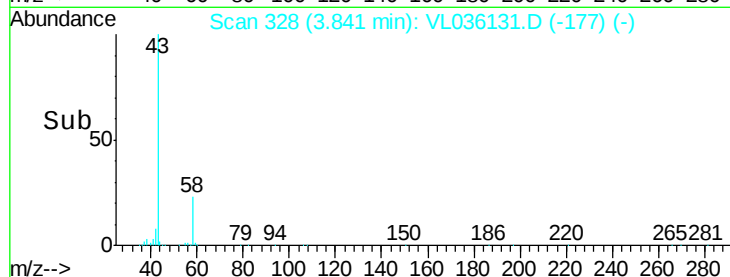
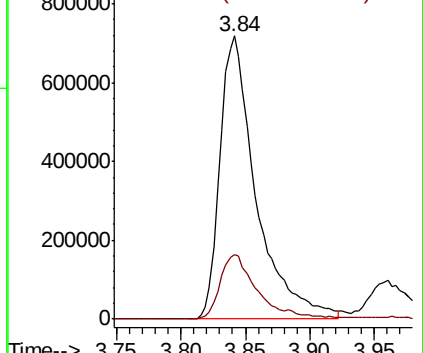
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.700 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.02 min

Lab File: VL036131.D

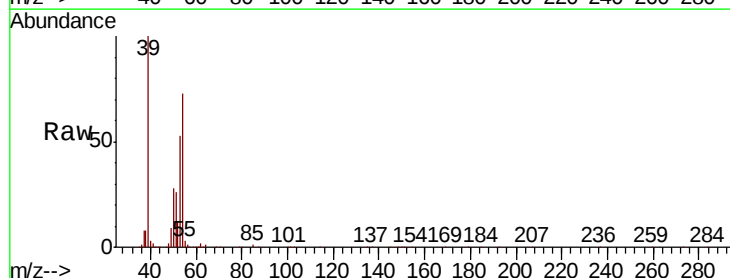
Acq: 10 Dec 2020 13:53

Tgt Ion: 39 Resp: 771557

Ion Ratio Lower Upper

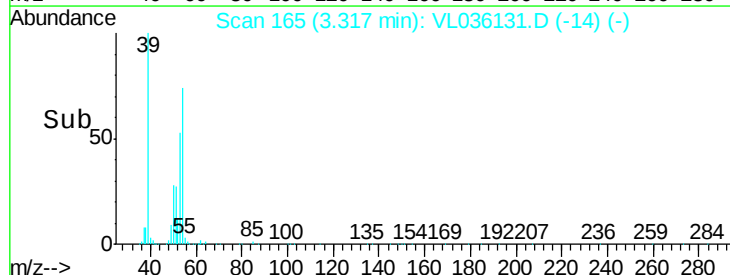
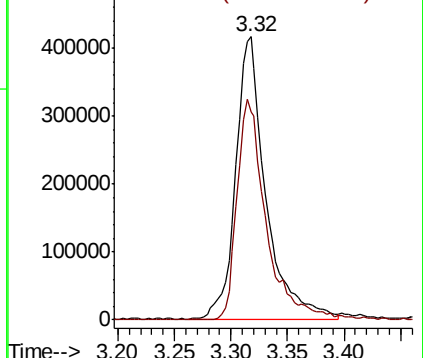
39 100

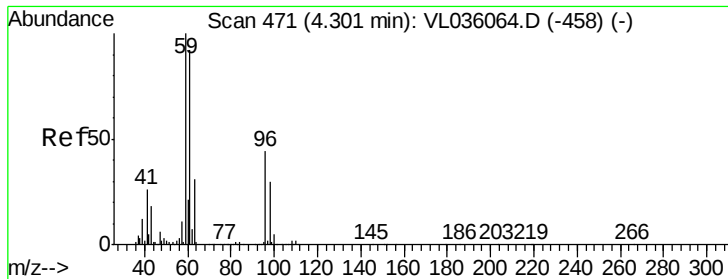
54 76.3 62.1 93.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

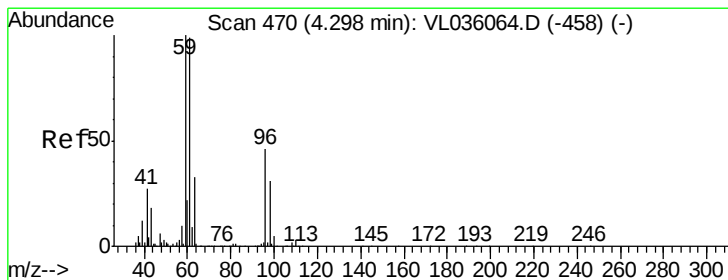
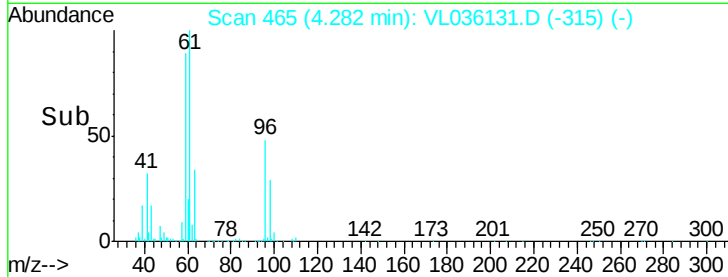
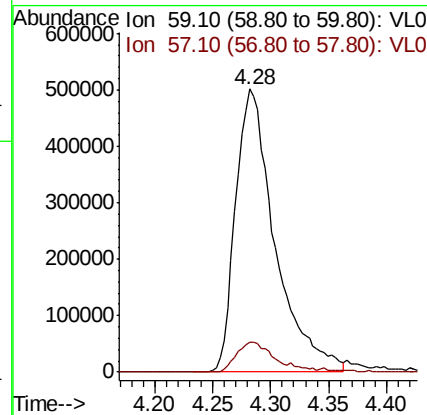
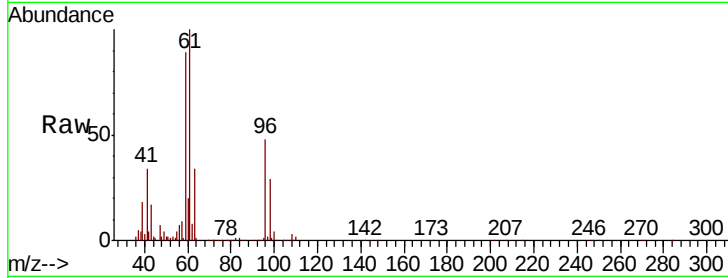
tert-Butyl alcohol
Concen: 7.761 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1187155
Ion Ratio Lower Upper
59 100
57 11.4 8.7 13.1

Manual Integrations
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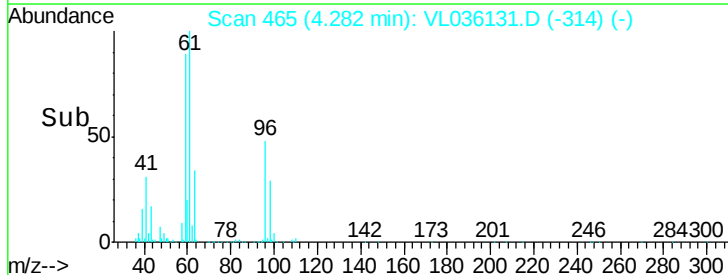
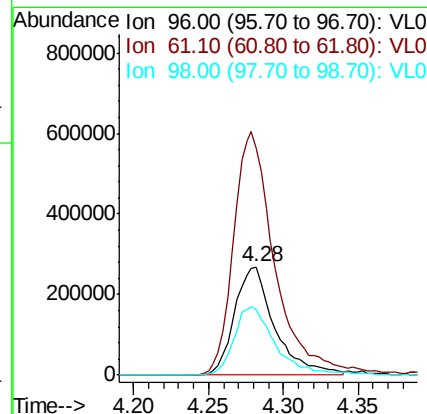
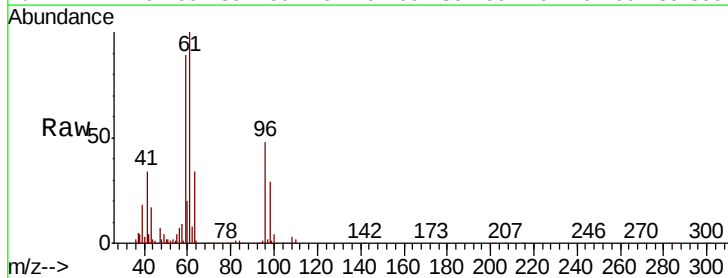
MMDadoda
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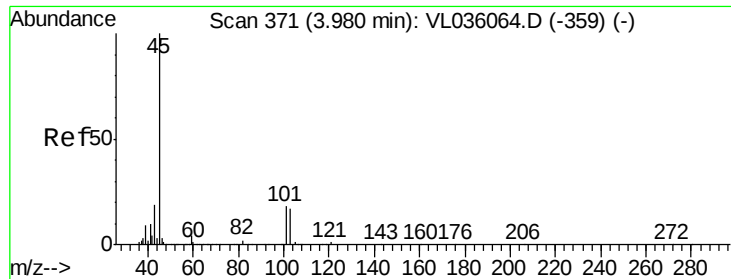


#18

1,1-Dichloroethene
Concen: 9.252 ppbv
RT: 4.28 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion: 96 Resp: 502257
Ion Ratio Lower Upper
96 100
61 209.8 171.4 257.2
98 60.9 54.2 81.2





#19

Isopropyl Alcohol

Concen: 8.220 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 793404

Ion Ratio Lower Upper

45 100

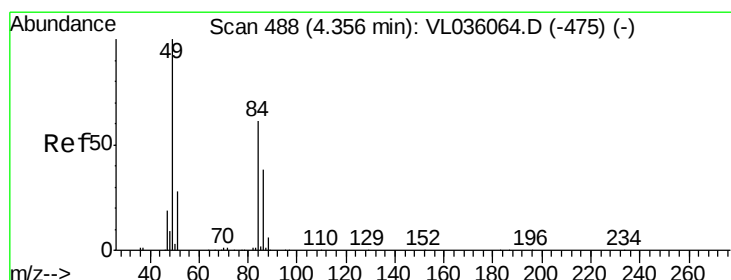
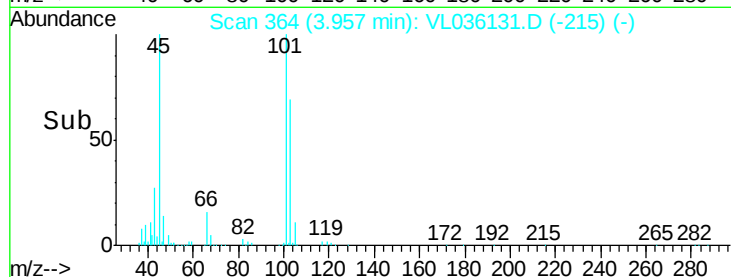
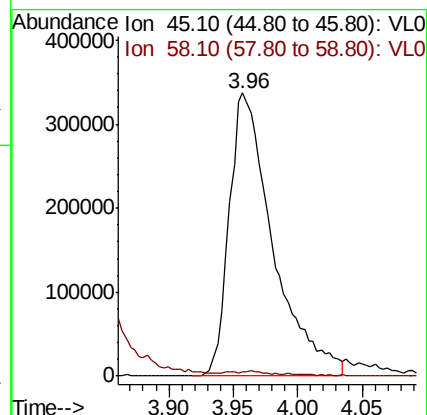
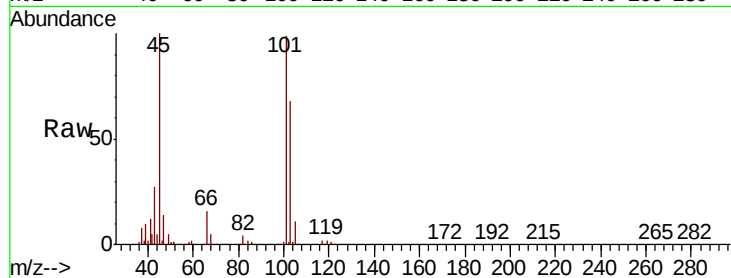
58 2.1 0.0 0.0#

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#20

Methylene Chloride

Concen: 7.067 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Tgt Ion: 84 Resp: 457342

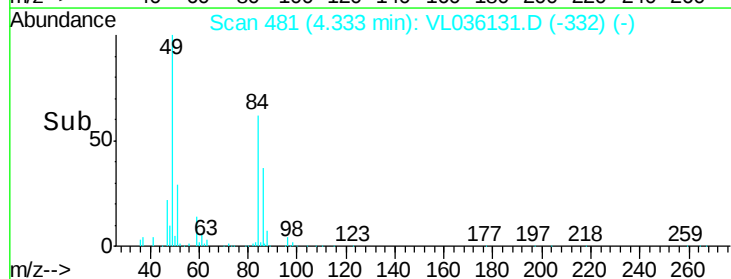
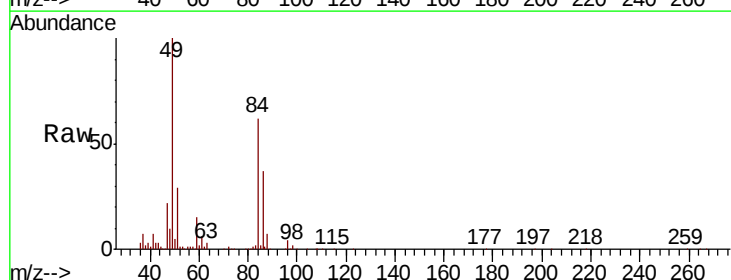
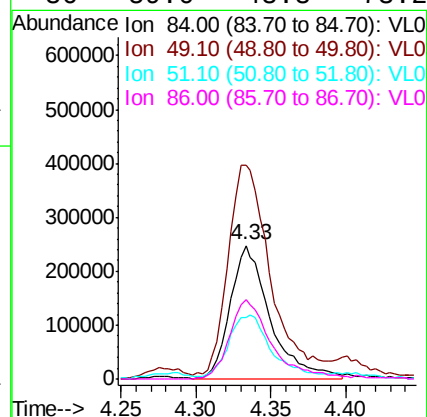
Ion Ratio Lower Upper

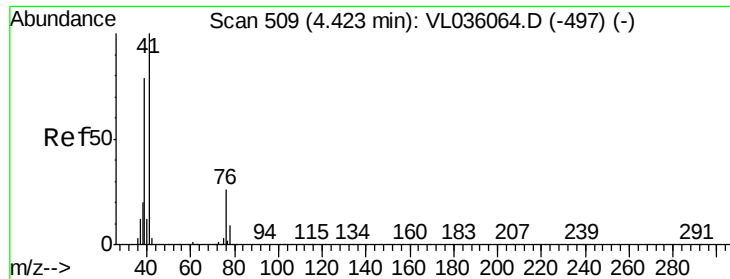
84 100

49 158.1 133.0 199.4

51 43.6 38.9 58.3

86 59.0 48.8 73.2





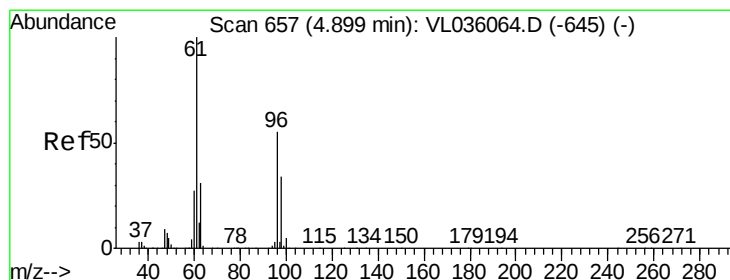
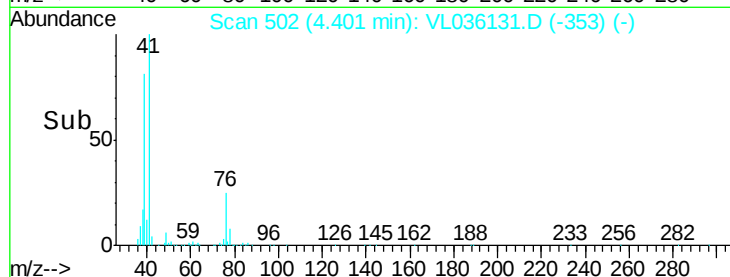
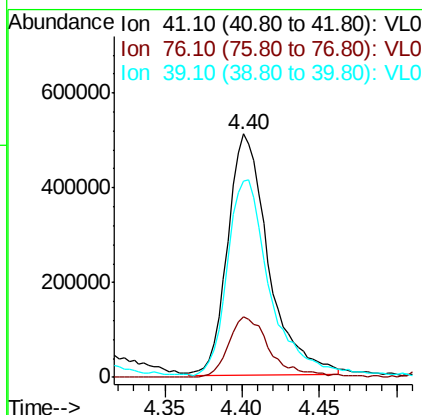
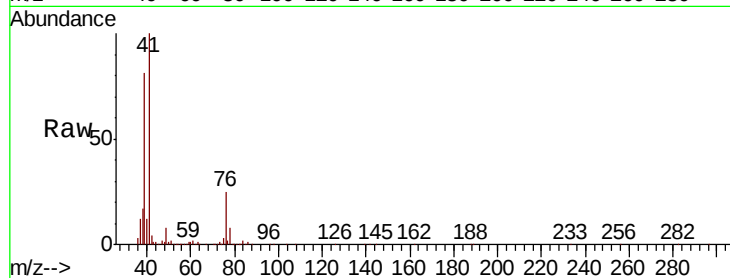
#21
Allvl Chloride
Concen: 8.903 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	41	Resp:	934881
Ion Ratio		Lower	Upper
41	100		
76	26.0	21.0	31.4
39	85.3	66.0	99.0

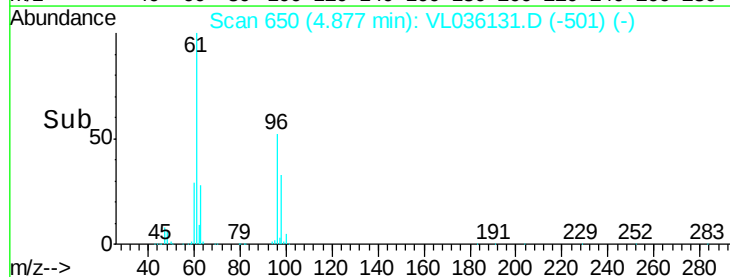
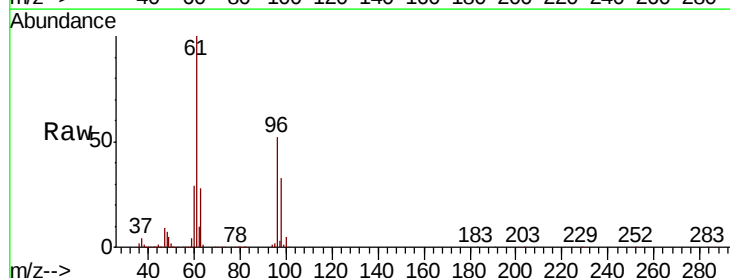
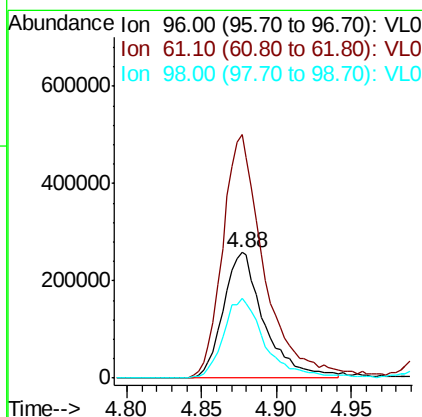
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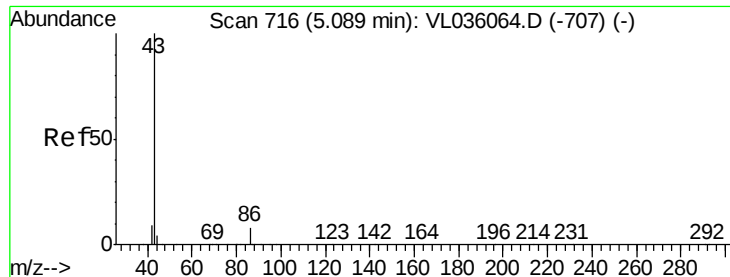
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#22
trans-1,2-Dichloroethene
Concen: 8.928 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion:	96	Resp:	485272
Ion Ratio		Lower	Upper
96	100		
61	193.8	145.7	218.5
98	64.0	49.2	73.8





#23

Vinyl Acetate

Concen: 9.460 ppbv

RT: 5.07 min Scan# 709

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1989146

Ion Ratio Lower Upper

43 100

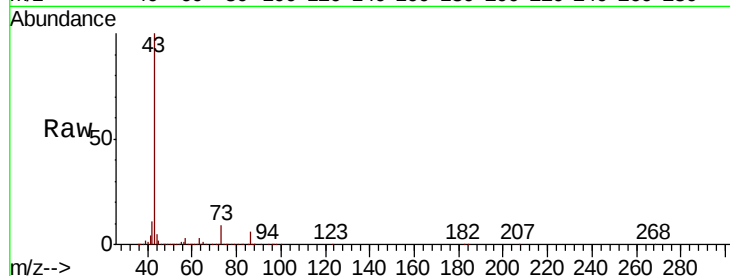
86 6.5 5.0 7.4

42 10.9 7.8 11.6

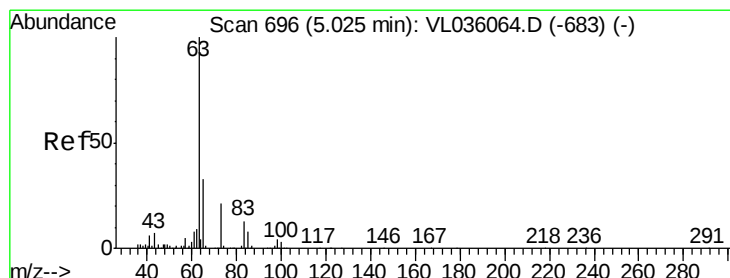
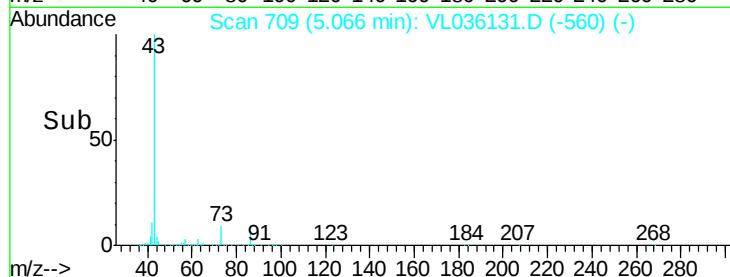
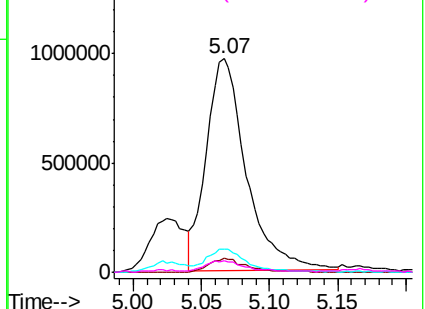
44 4.8 3.2 4.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0
1500000 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: 9.213 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

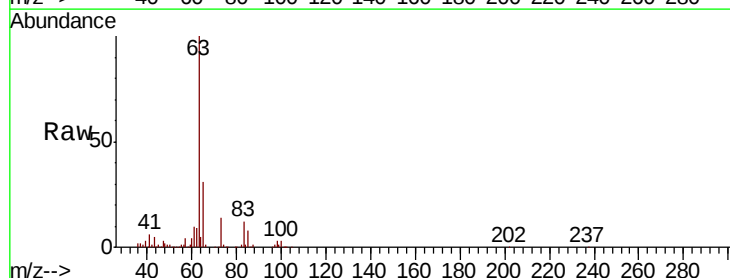
Tgt Ion: 63 Resp: 1362415

Ion Ratio Lower Upper

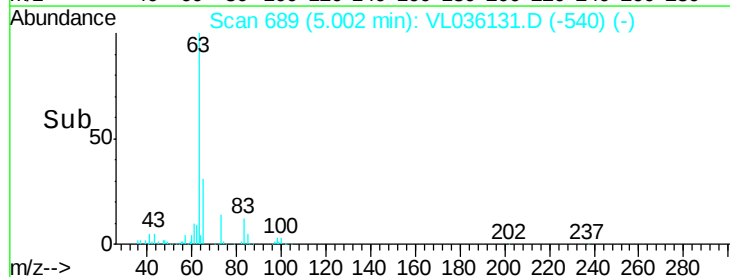
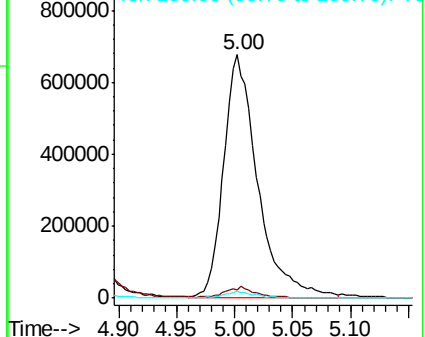
63 100

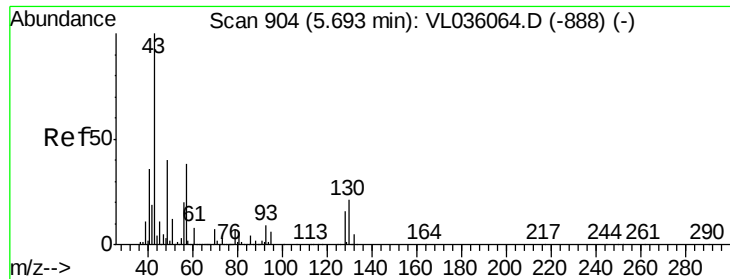
98 3.2 2.2 6.6

100 2.6 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
800000 Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





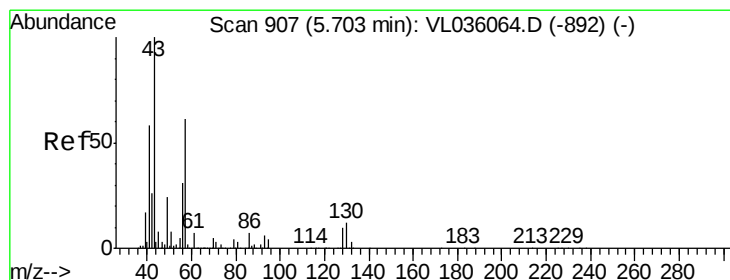
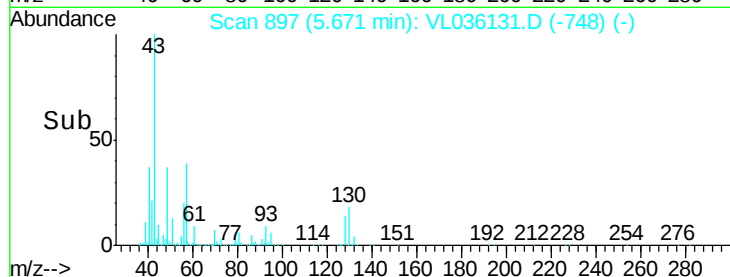
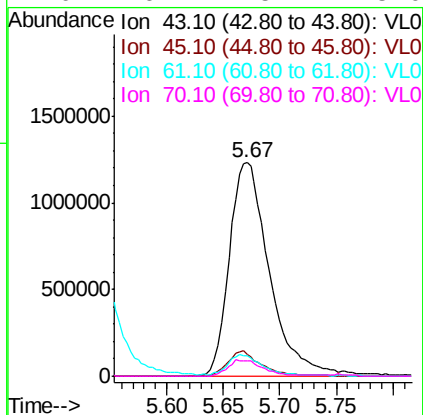
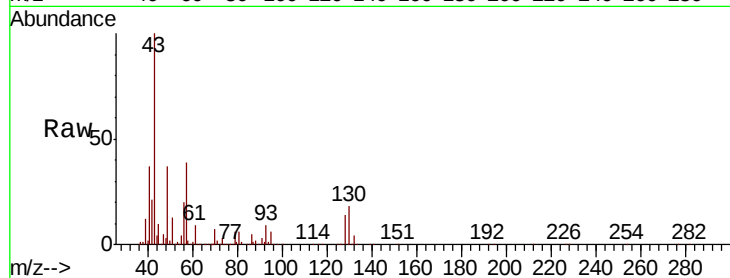
#25
Ethyl Acetate
Concen: 9.518 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:	43	Resp:	3003007
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.2	7.4	11.2
70	6.7	5.4	8.0

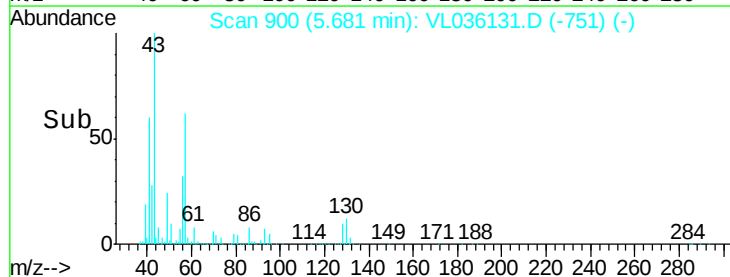
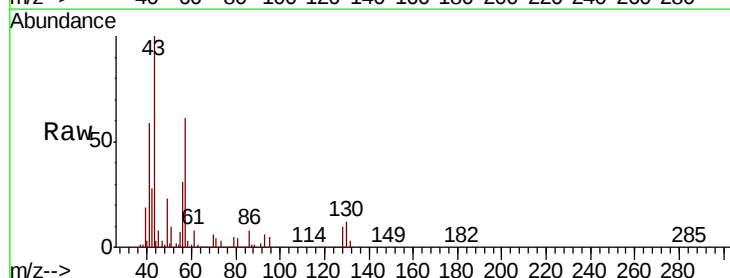
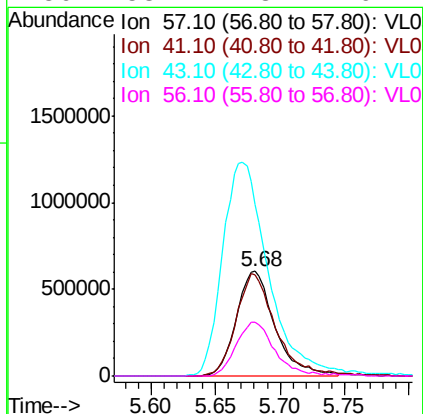
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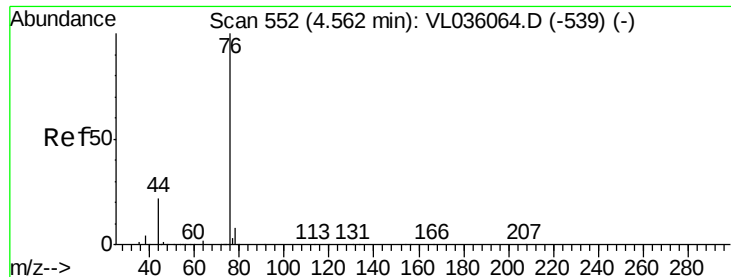
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#26
Hexane
Concen: 8.825 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion:	57	Resp:	1253106
Ion	Ratio	Lower	Upper
57	100		
41	102.0	82.9	124.3
43	244.2	199.9	299.9
56	53.1	43.1	64.7





#27

Carbon Disulfide

Concen: 9.149 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1291074

Ion Ratio Lower Upper

76 100

44 23.7 17.9 26.9

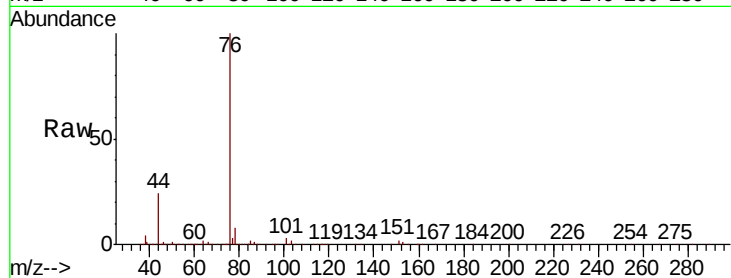
78 9.7 7.8 11.8

Manual Integrations

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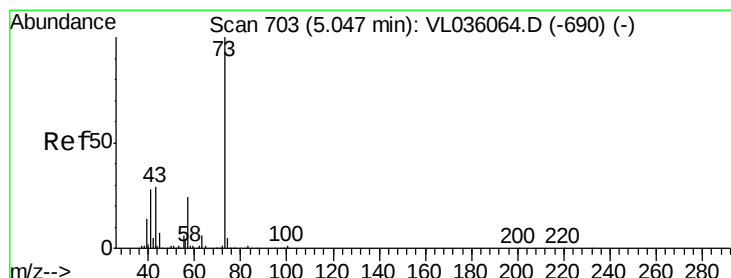
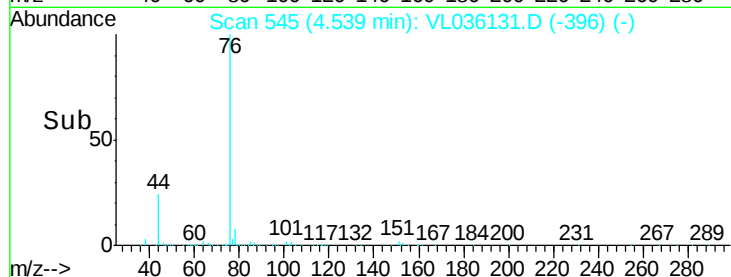
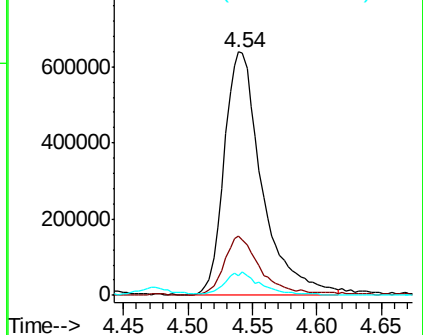
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.853 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL036131.D

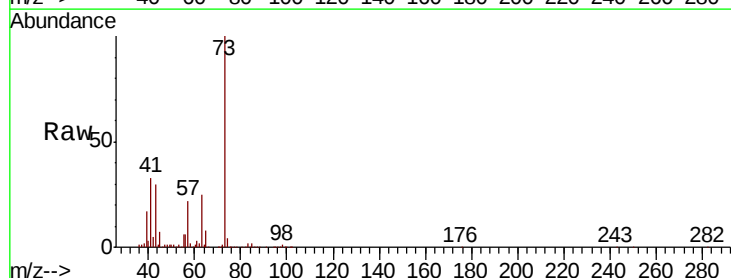
Acq: 10 Dec 2020 13:53

Tgt Ion: 73 Resp: 1787131

Ion Ratio Lower Upper

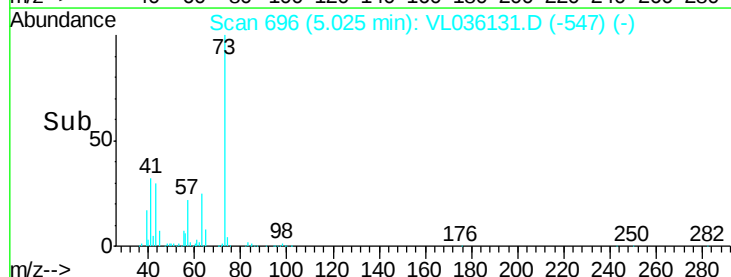
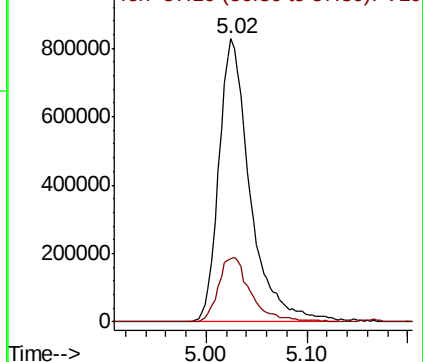
73 100

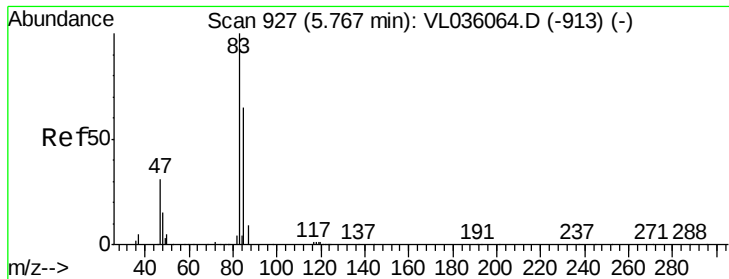
57 23.9 19.2 28.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





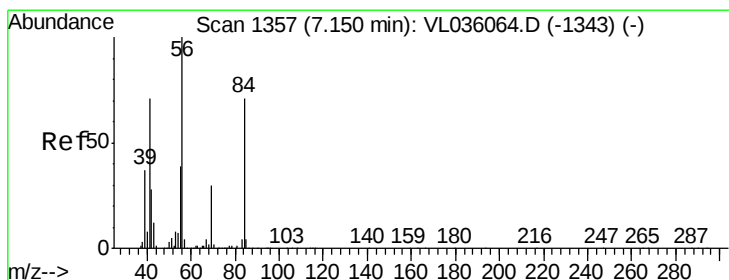
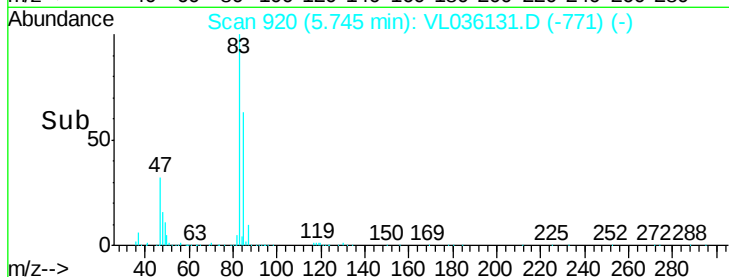
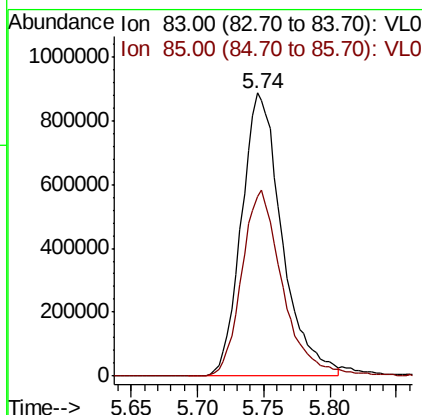
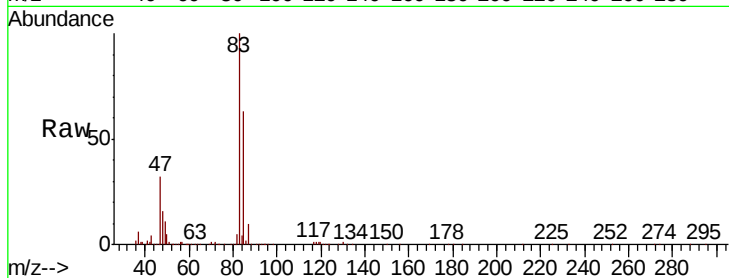
#29
Chloroform
Concen: 10.099 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1883121
Ion Ratio Lower Upper
83 100
85 63.1 51.8 77.6

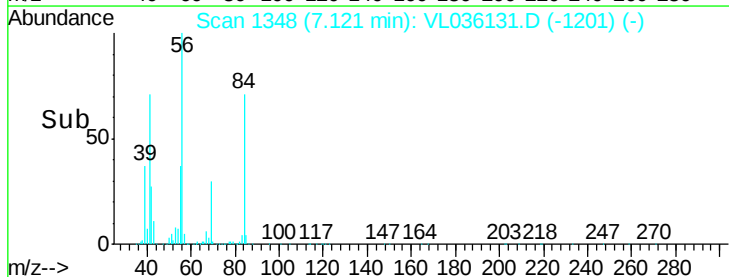
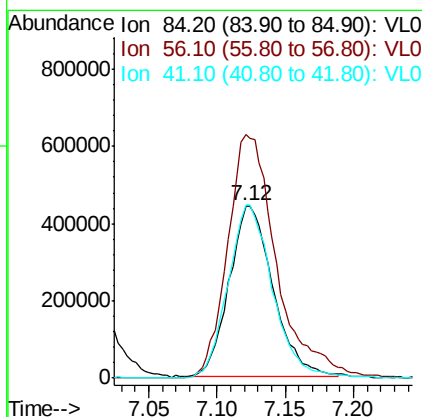
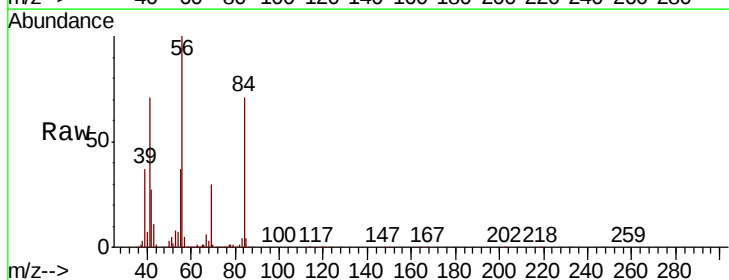
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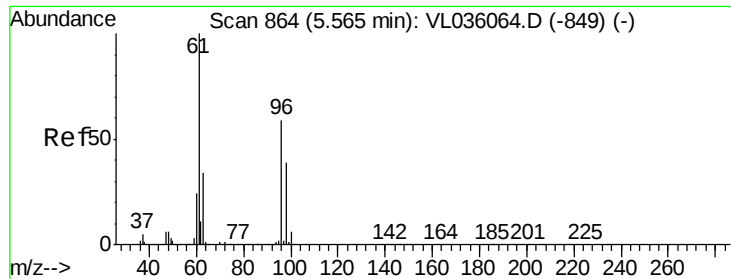
MMDadoda
12/15/2020 4:51:15 PM



#30
Cyclohexane
Concen: 9.430 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion: 84 Resp: 983583
Ion Ratio Lower Upper
84 100
56 160.7 128.0 192.0
41 104.7 81.3 121.9





#31

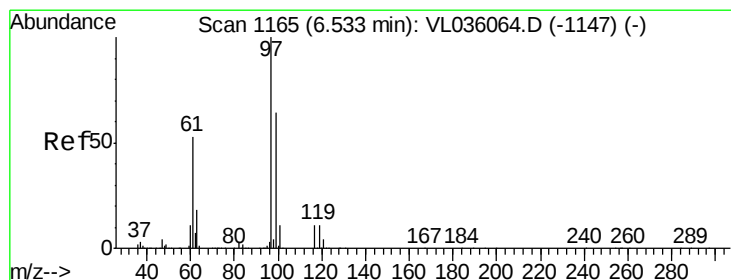
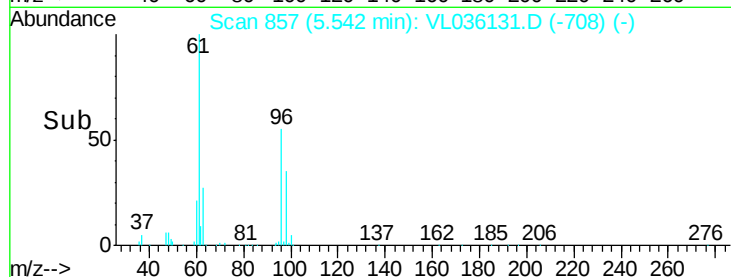
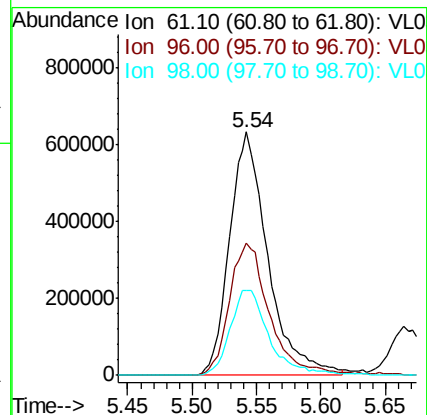
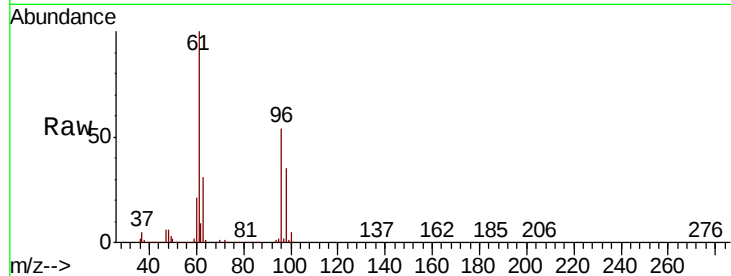
cis-1,2-Dichloroethene
Concen: 10.078 ppbv
RT: 5.54 min Scan# 857
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	54.3	47.3	70.9
98	35.1	31.4	47.0

Manual Integrations
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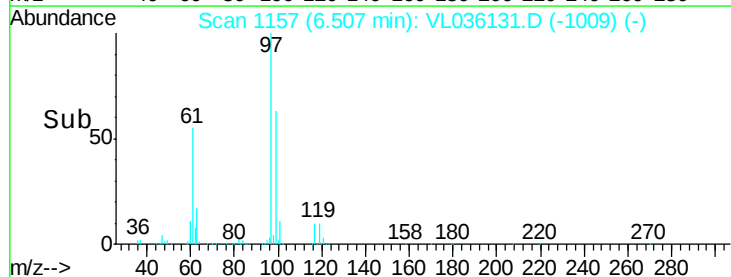
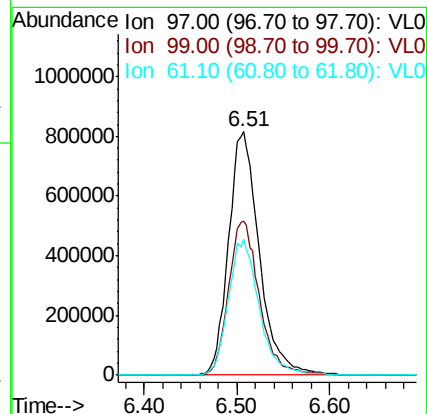
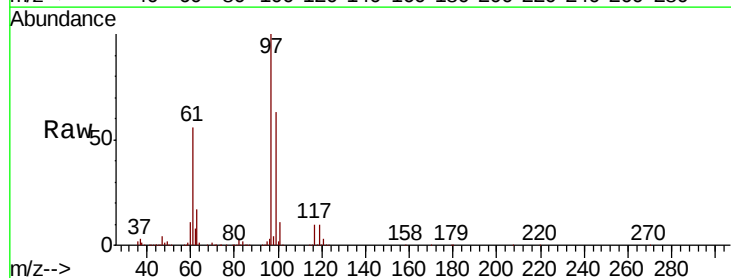
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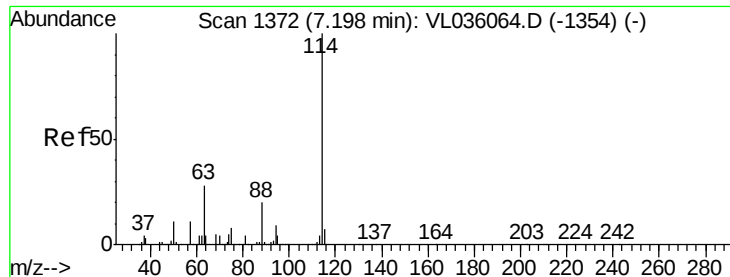


#32

1,1,1-Trichloroethane
Concen: 9.769 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	56.0	43.4	65.0





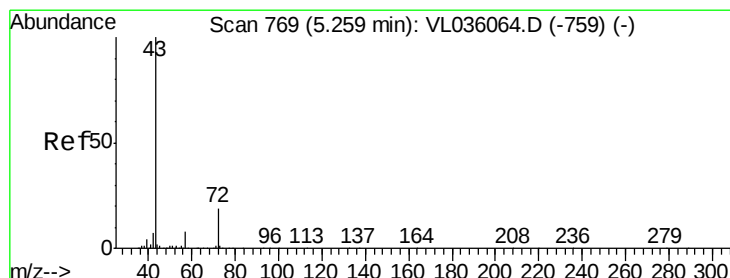
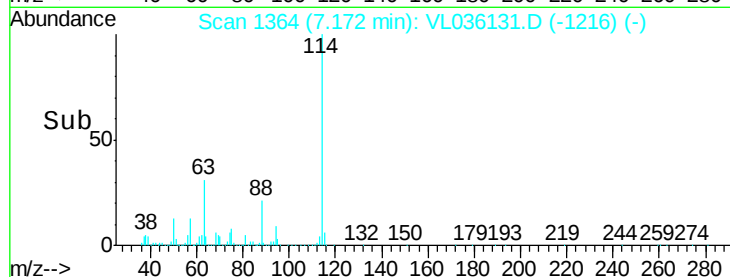
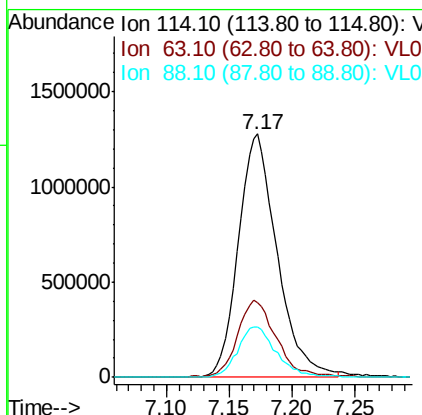
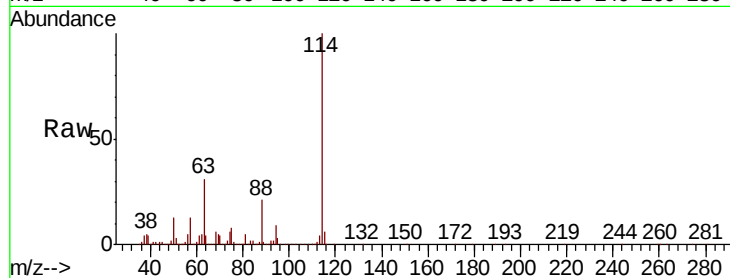
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2744638
 Ion Ratio Lower Upper
 114 100
 63 32.2 23.6 35.4
 88 21.1 15.8 23.6

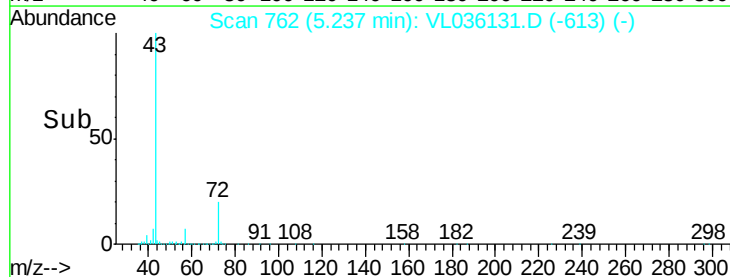
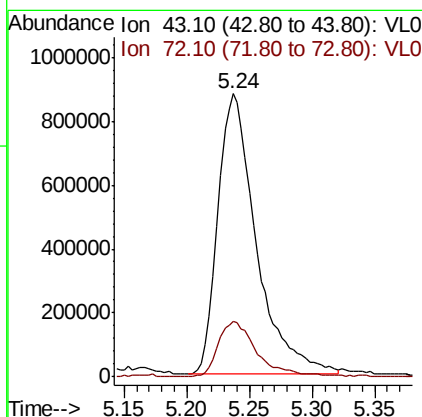
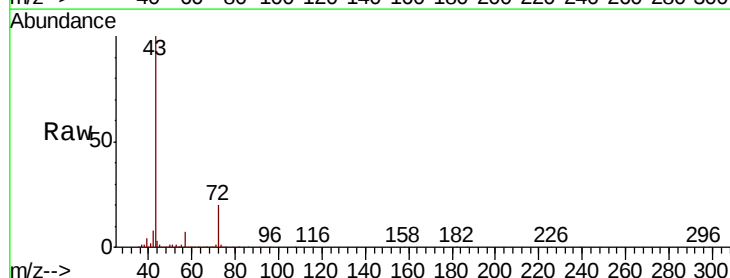
Manual Integrations
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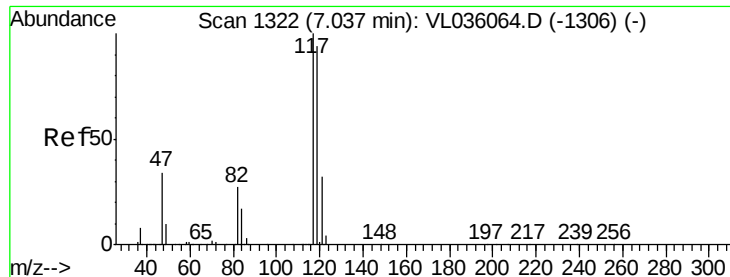
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#34
 2-Butanone
 Concen: 10.213 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion: 43 Resp: 1859343
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.5 24.7





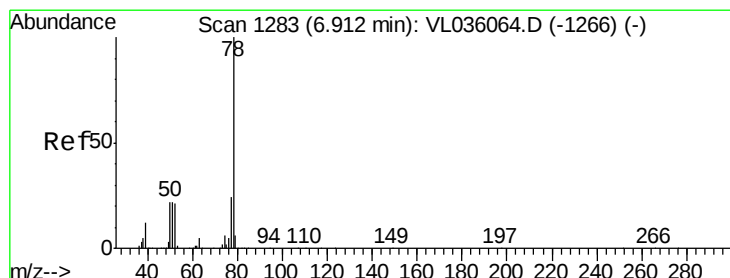
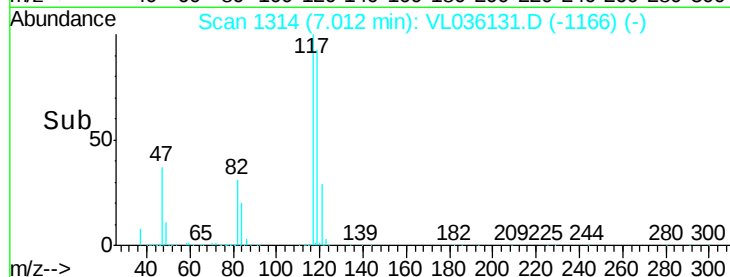
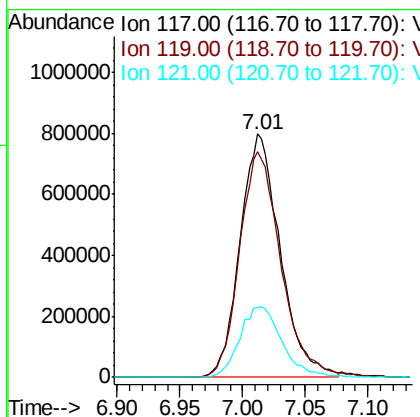
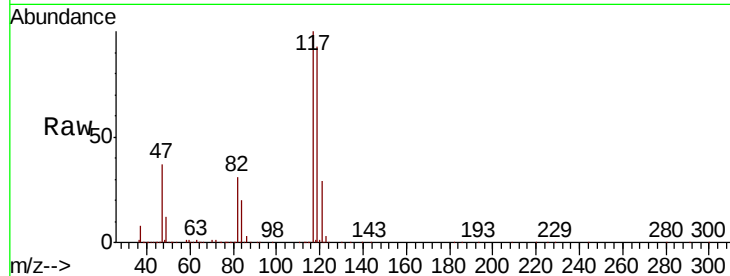
#35
Carbon Tetrachloride
Concen: 11.114 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.1	112.7
121	28.7	25.6	38.4

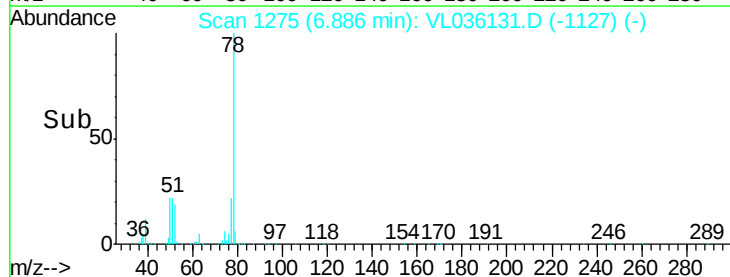
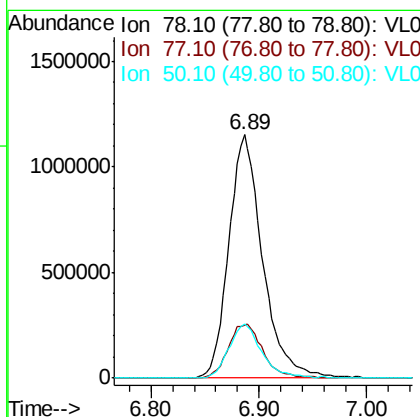
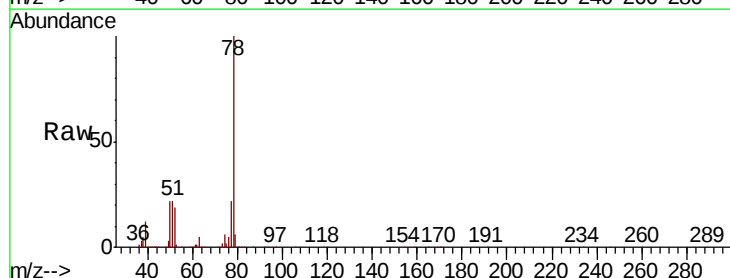
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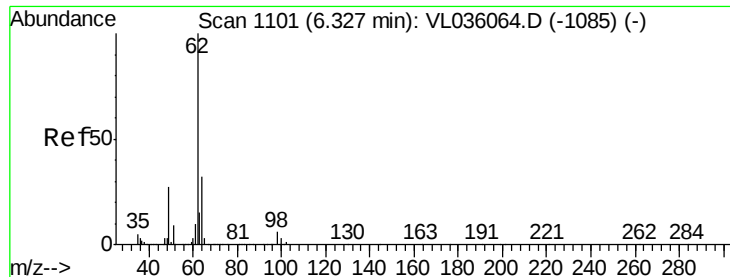
MMDadoda
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#36
Benzene
Concen: 10.775 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	19.4	29.2
50	22.4	17.8	26.8





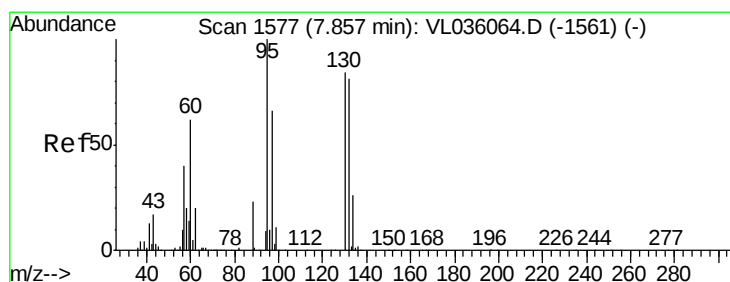
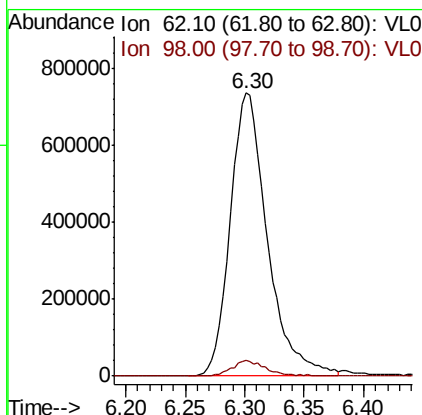
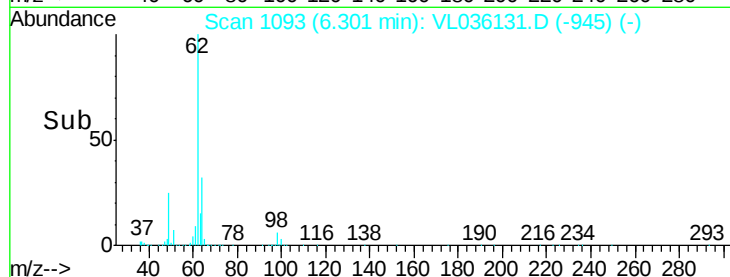
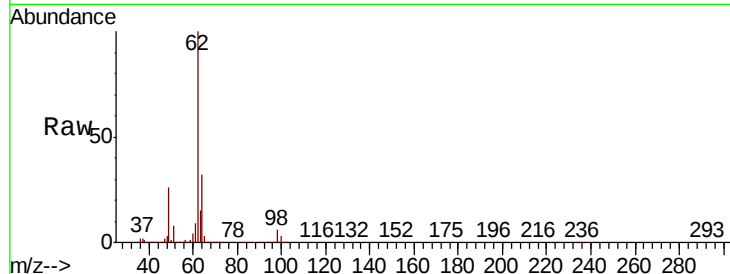
#37
 1,2-Dichloroethane
 Concen: 11.809 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1591615
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.6 7.0

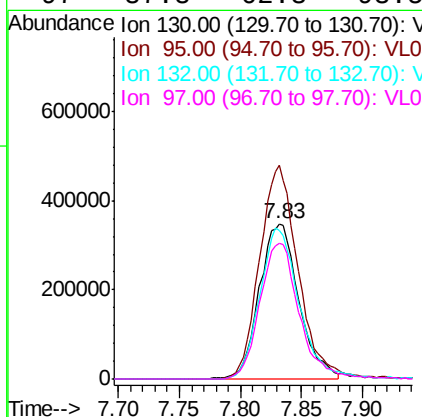
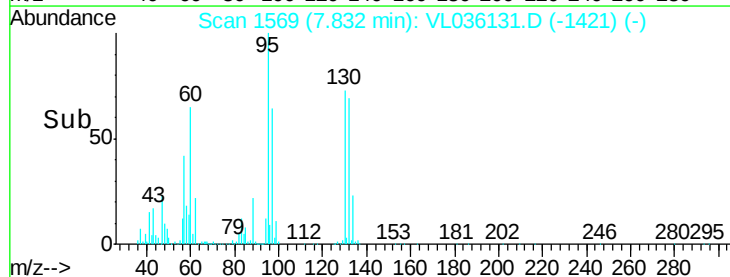
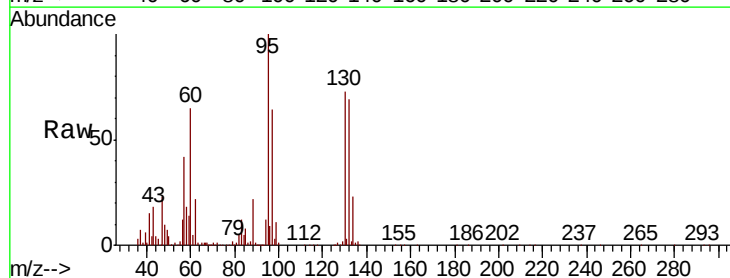
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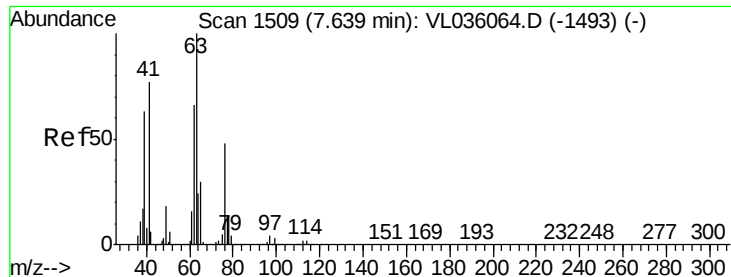
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#38
 Trichloroethene
 Concen: 8.940 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion: 130 Resp: 777359
 Ion Ratio Lower Upper
 130 100
 95 137.9 95.2 142.8
 132 95.7 76.9 115.3
 97 87.8 62.3 93.5





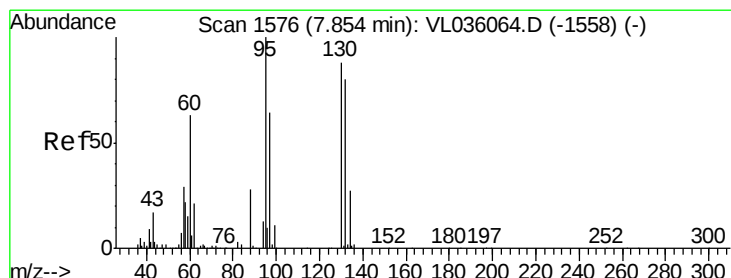
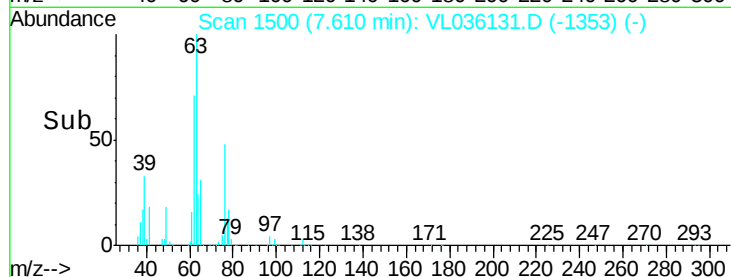
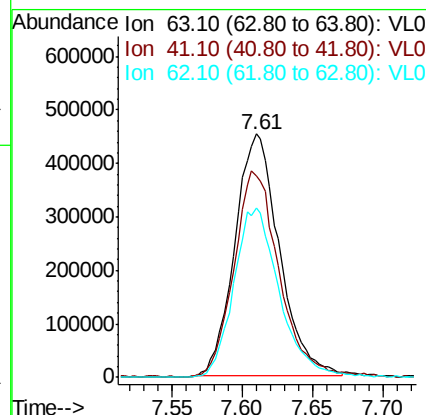
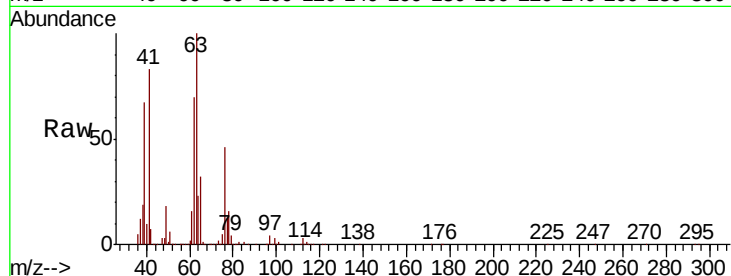
#39
 1,2-Dichloropropane
 Concen: 10.905 ppbv
 RT: 7.61 min Scan# 1500
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	82.9	61.9	92.9
62	69.6	52.5	78.7

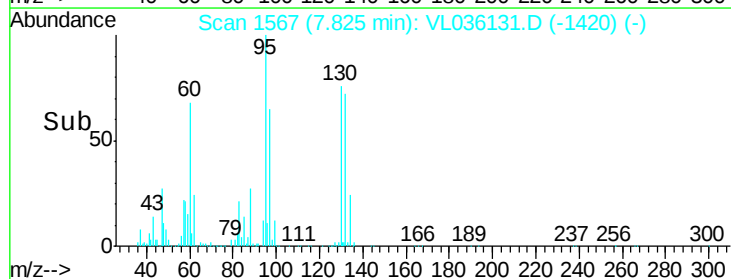
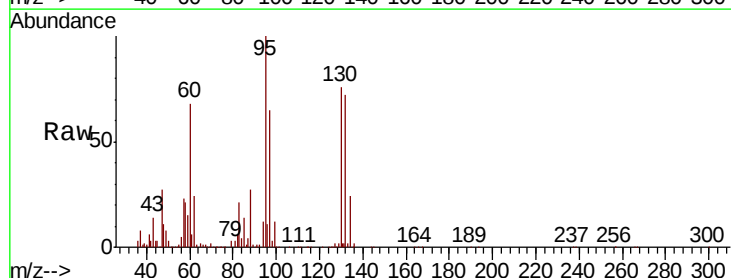
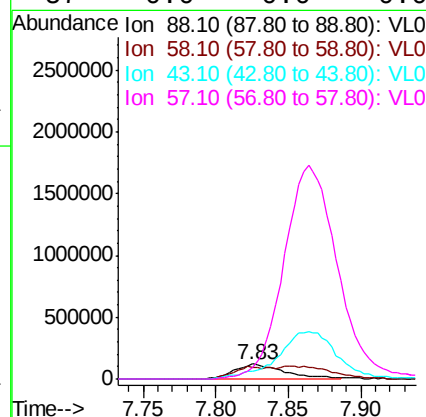
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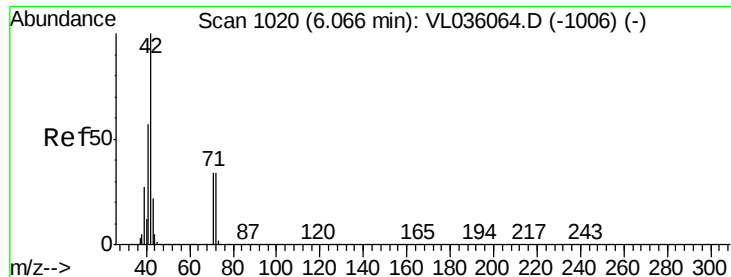
MMDadoda
 12/15/2020 4:51:15 PM



#40
 1,4-Dioxane
 Concen: 10.126 ppbv m
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

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





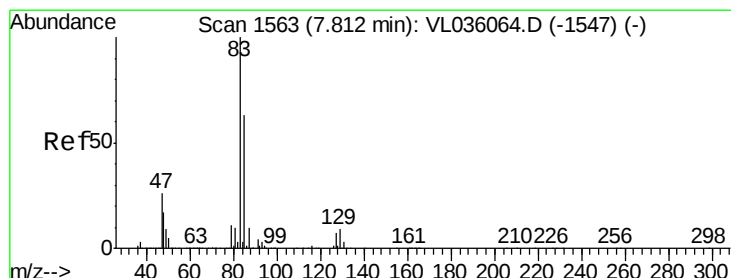
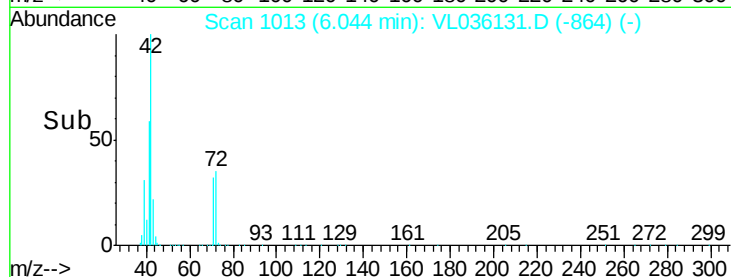
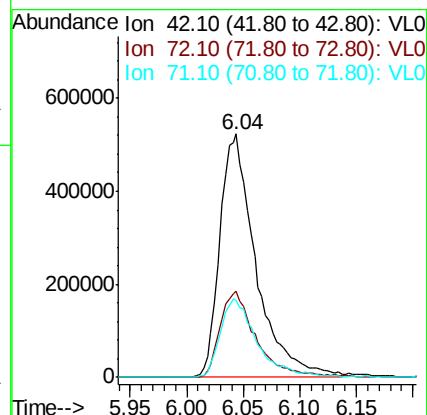
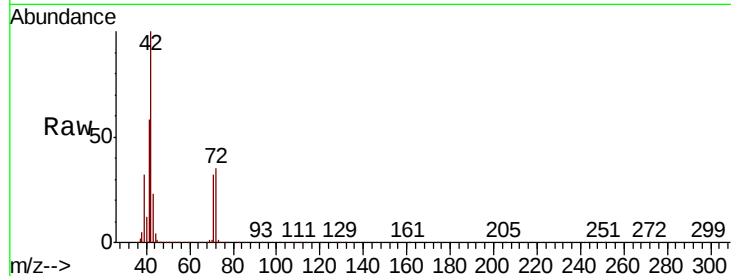
#41
Tetrahydrofuran
Concen: 10.660 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. -0.02 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.3	42.5
71	33.3	27.3	40.9

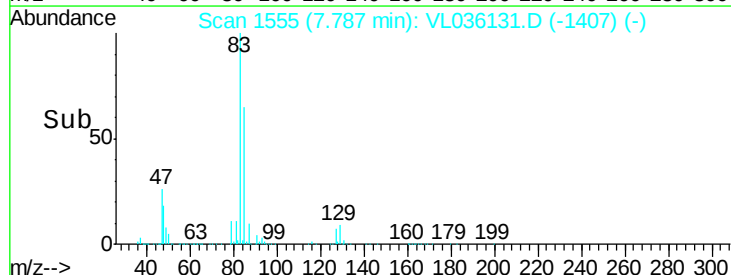
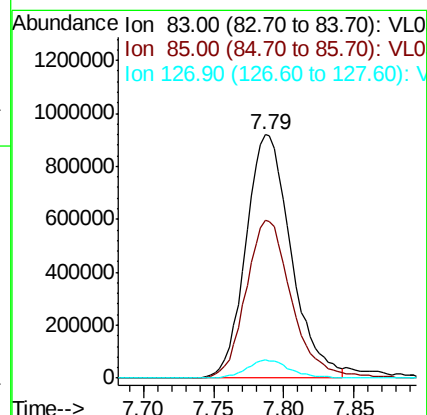
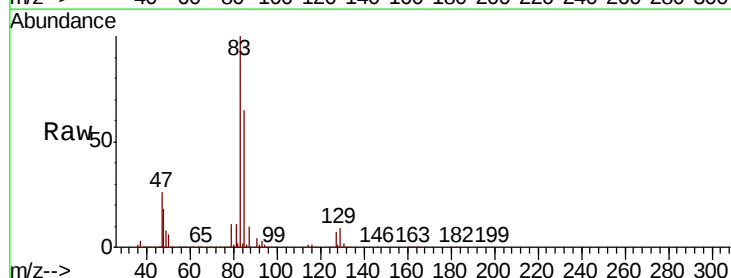
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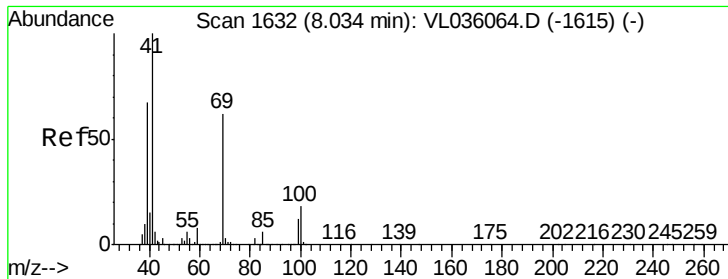
MMDadoda
12/15/2020 4:51:15 PM



#42
Bromodichloromethane
Concen: 11.490 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	50.2	75.2
127	7.3	5.5	8.3





#43

Methyl Methacrylate

Concen: 11.186 ppbv

RT: 8.01 min Scan# 1625

Delta R.T. -0.02 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

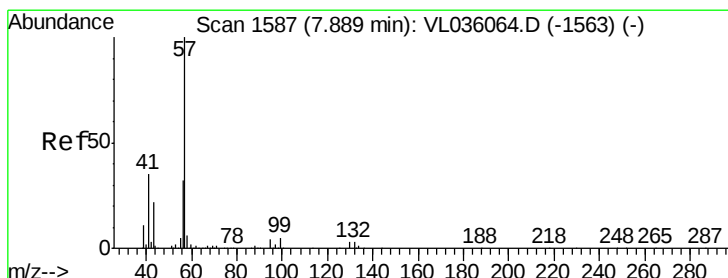
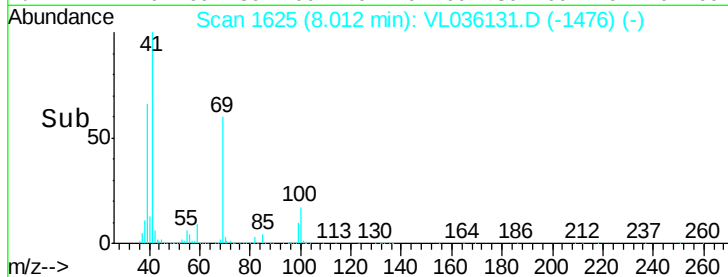
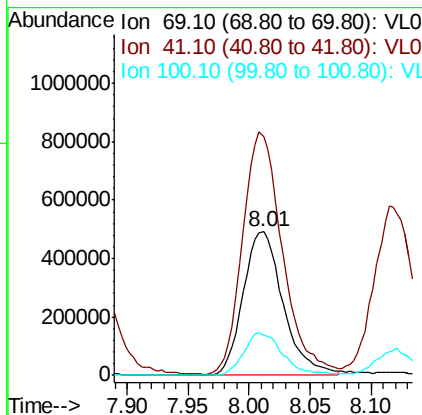
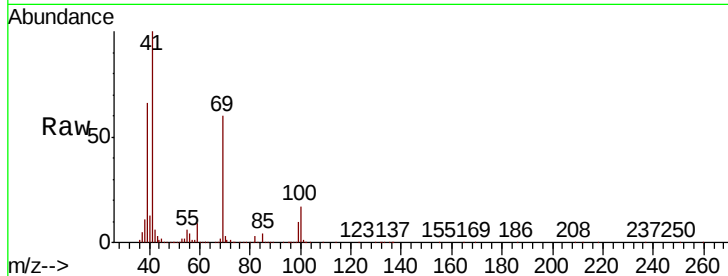
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1116178

Ion	Ratio	Lower	Upper
69	100		
41	169.2	133.0	199.6
100	28.9	25.4	38.0

Manual Integrations
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12/15/2020 4:51:15 PM



#44

2,2,4-Trimethylpentane

Concen: 10.675 ppbv

RT: 7.86 min Scan# 1579

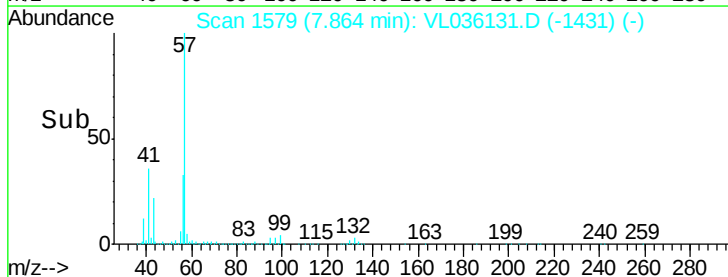
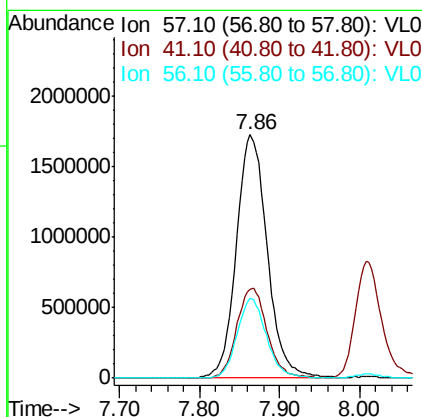
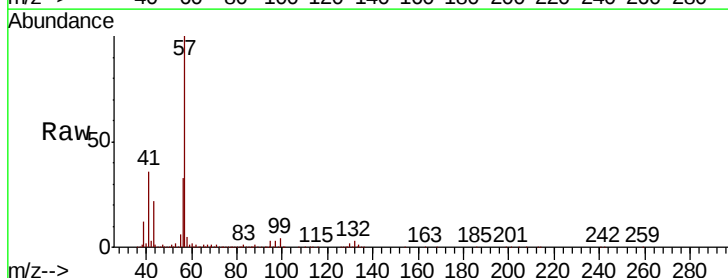
Delta R.T. -0.03 min

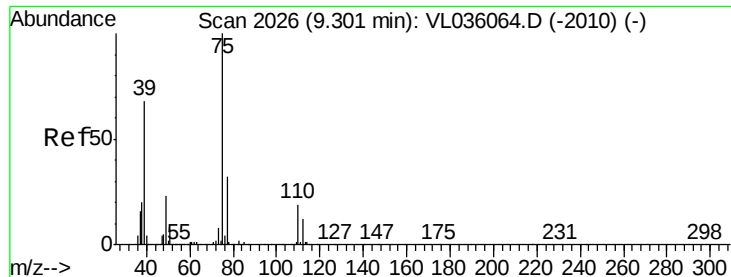
Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Tgt Ion: 57 Resp: 4496833

Ion	Ratio	Lower	Upper
57	100		
41	36.2	28.9	43.3
56	31.1	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 11.390 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. -0.03 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 1167668

Ion Ratio Lower Upper

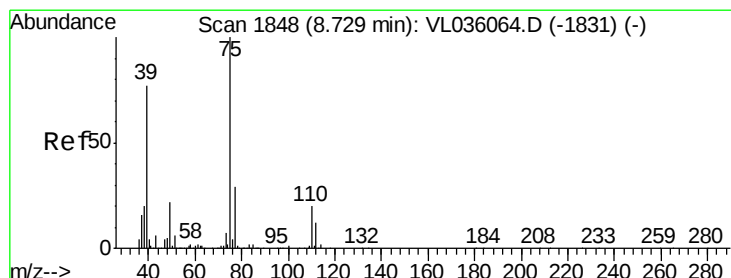
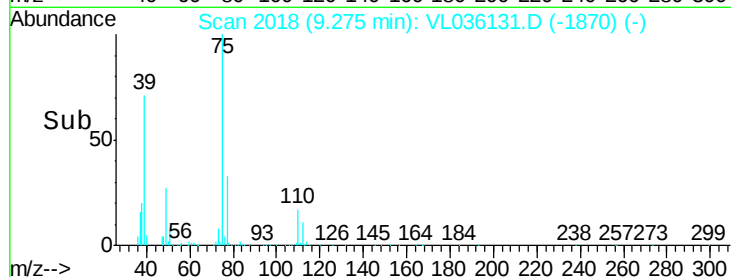
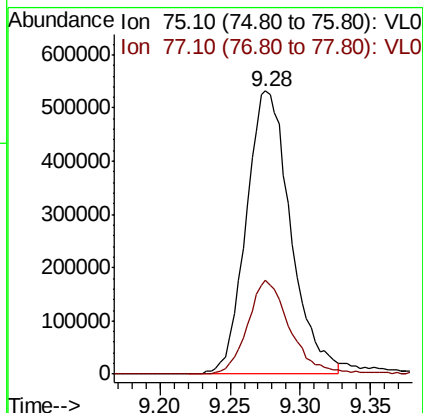
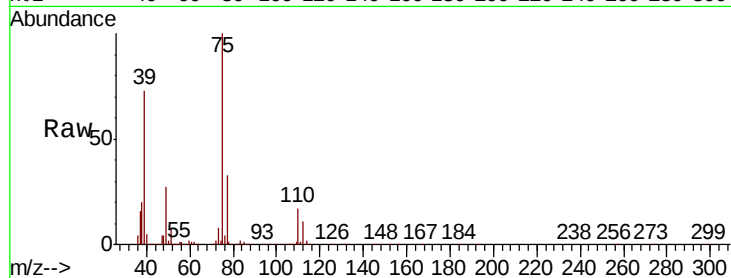
75 100

77 33.1 26.0 39.0

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#46

cis-1,3-Dichloropropene

Concen: 11.095 ppbv

RT: 8.70 min Scan# 1838

Delta R.T. -0.03 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

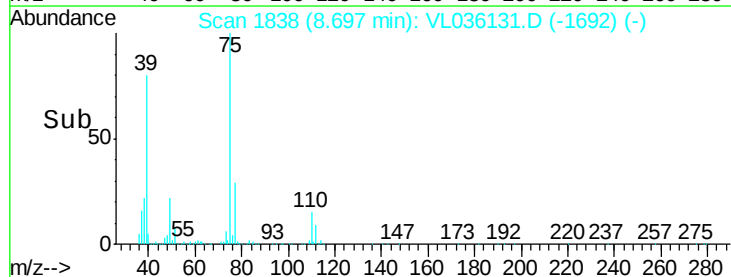
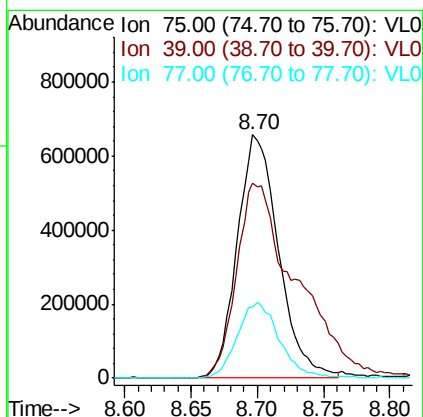
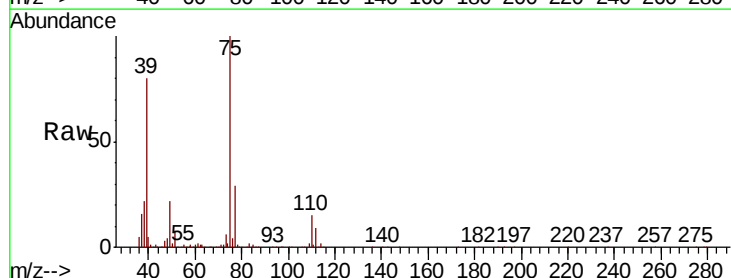
Tgt Ion: 75 Resp: 1425678

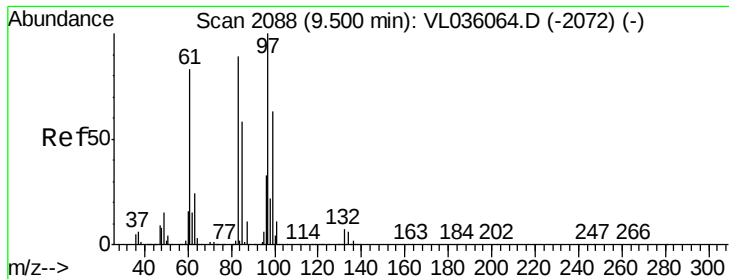
Ion Ratio Lower Upper

75 100

39 79.9 61.6 92.4

77 28.9 23.0 34.6





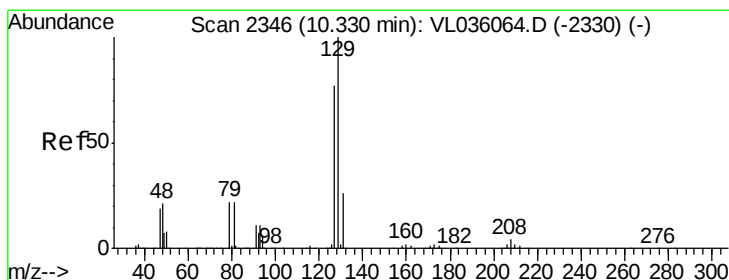
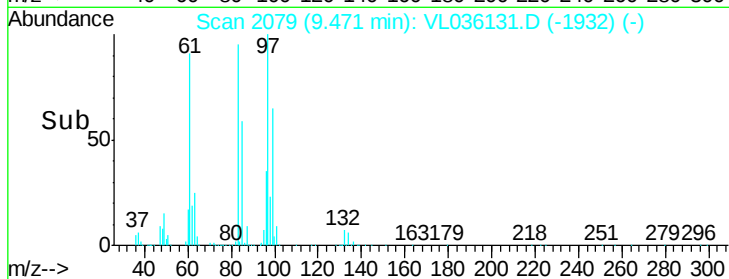
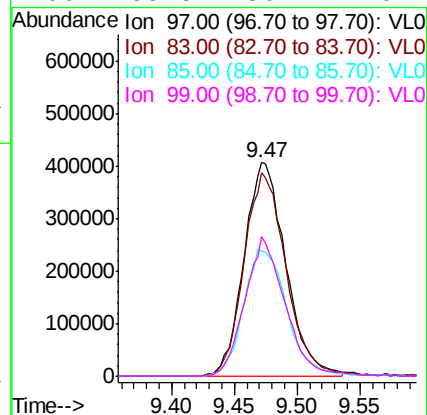
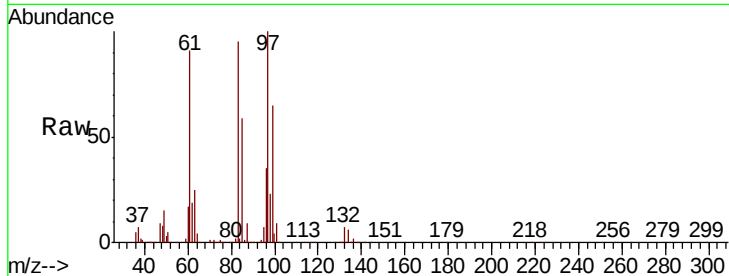
#47
 1,1,2-Trichloroethane
 Concen: 10.649 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	97	Resp:	941047
Ion Ratio	Lower	Upper	
97	100		
83	95.4	71.4	107.2
85	58.6	46.6	70.0
99	65.5	50.7	76.1

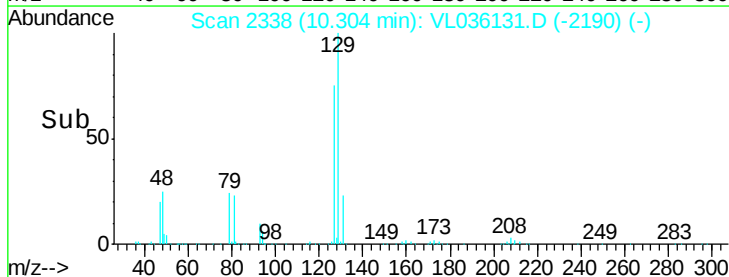
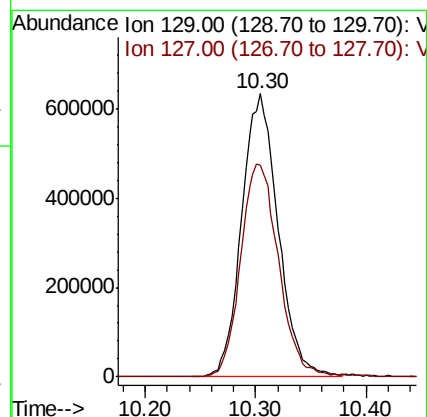
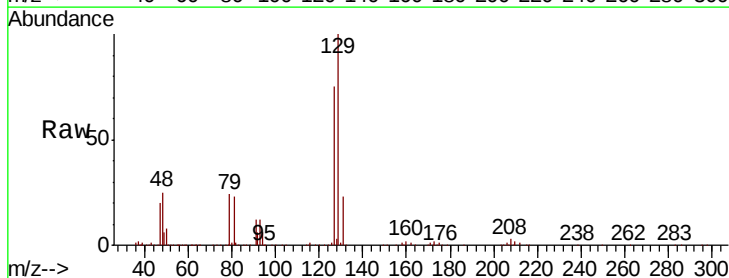
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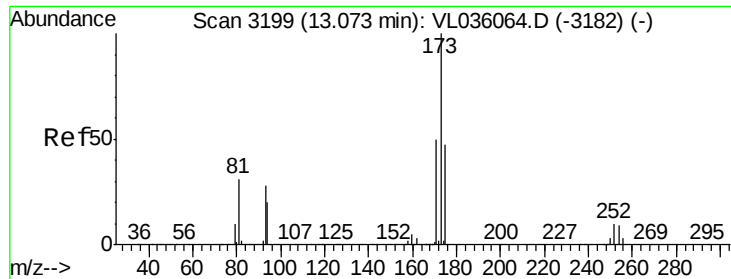
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#48
 Dibromochloromethane
 Concen: 10.882 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion:	129	Resp:	1452233
Ion Ratio	Lower	Upper	
129	100		
127	78.4	39.0	117.0





#49

Bromoform

Concen: 10.695 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. -0.03 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1123405

Ion Ratio Lower Upper

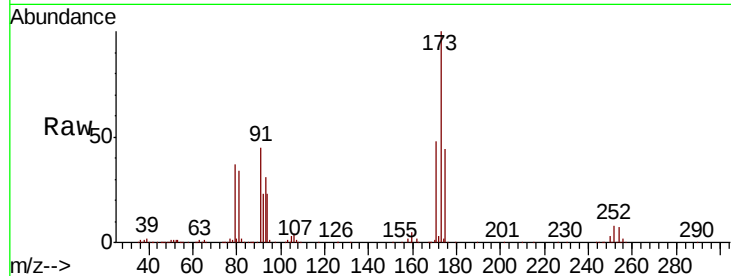
173 100

175 48.6 39.8 59.6

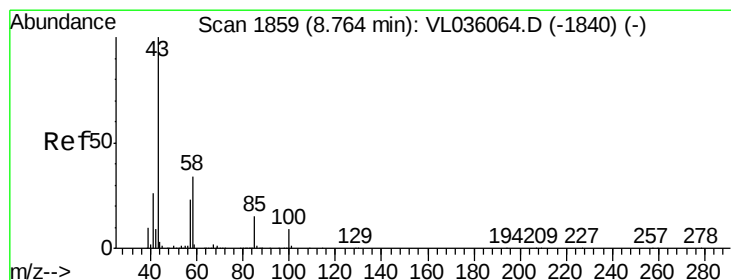
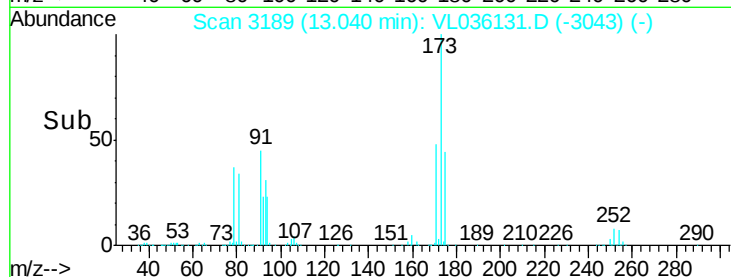
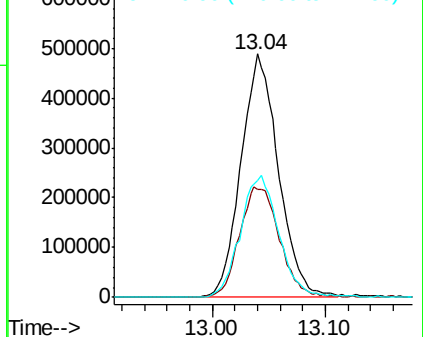
171 51.7 42.5 63.7

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



#50

4-Methyl-2-Pentanone

Concen: 10.960 ppbv

RT: 8.74 min Scan# 1851

Delta R.T. -0.03 min

Lab File: VL036131.D

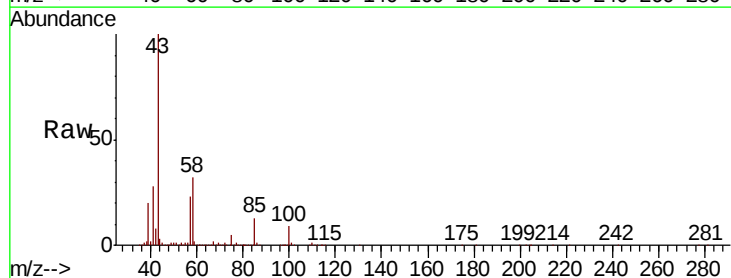
Acq: 10 Dec 2020 13:53

Tgt Ion: 43 Resp: 2975822

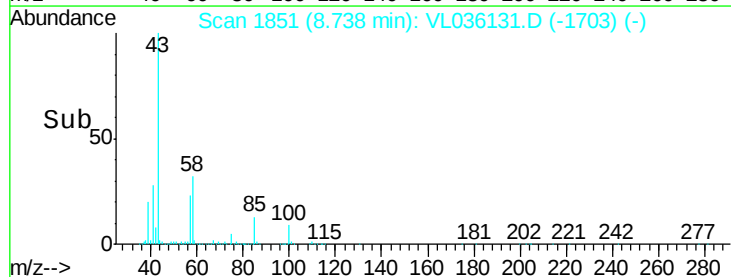
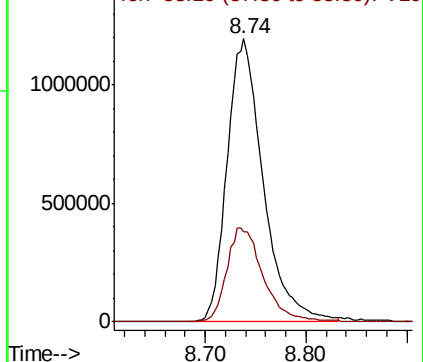
Ion Ratio Lower Upper

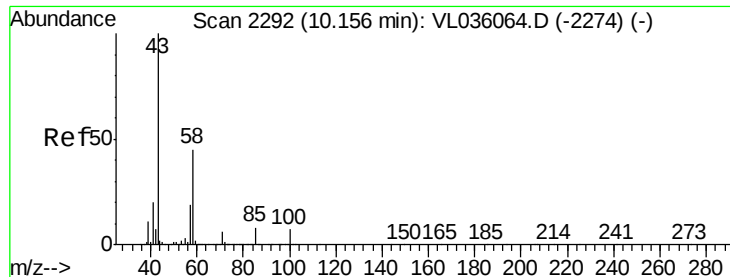
43 100

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





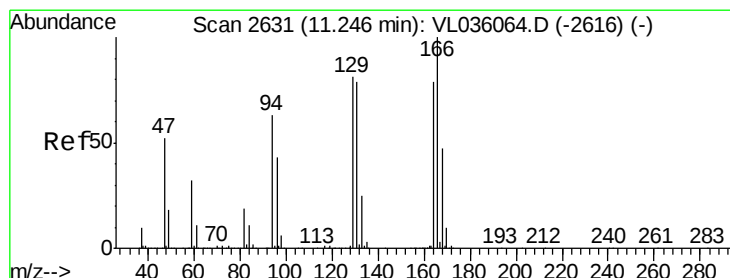
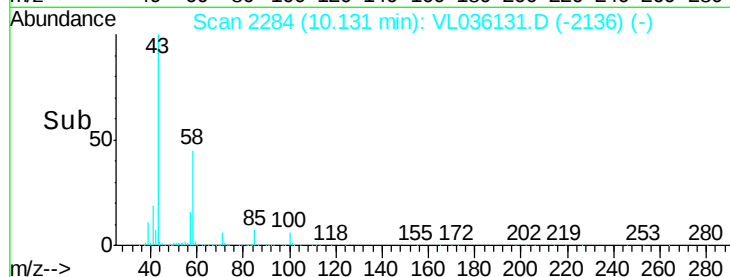
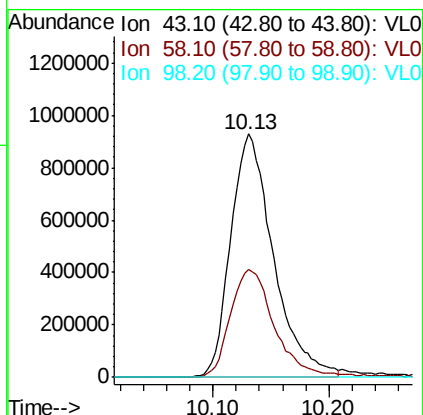
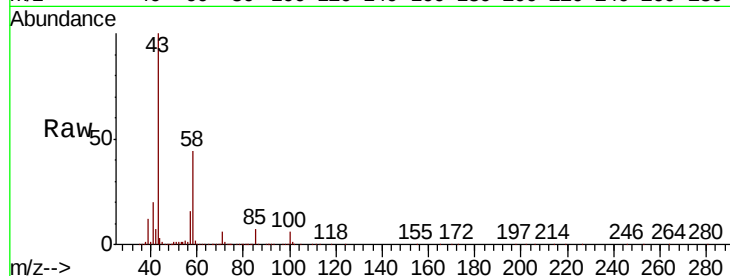
#51
2-Hexanone
Concen: 11.175 ppbv
RT: 10.13 min Scan# 2284
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 2371781
Ion Ratio Lower Upper
43 100
58 46.6 38.7 58.1
98 0.1 0.1 0.1#

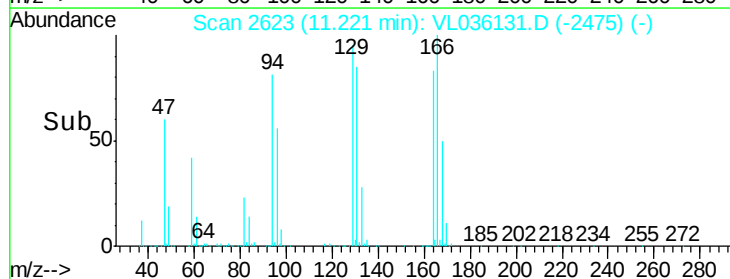
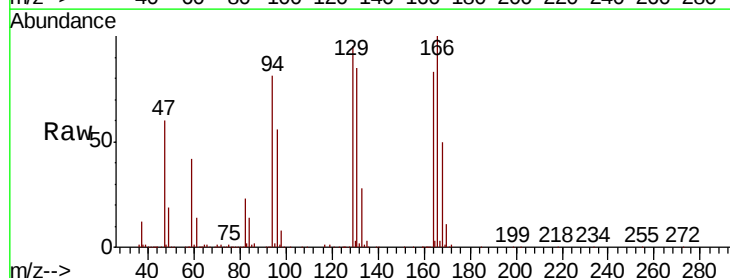
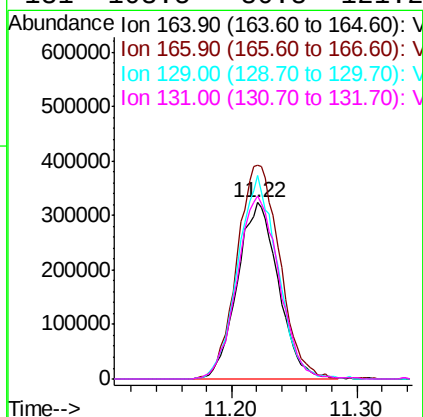
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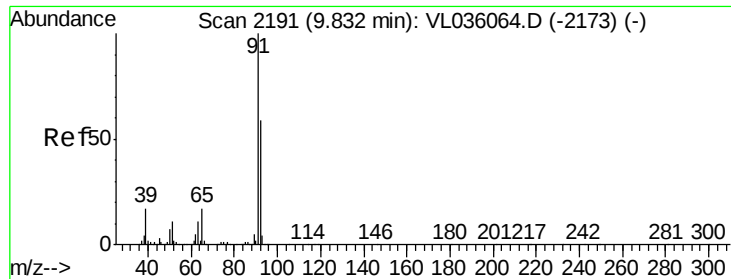
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#52
Tetrachloroethene
Concen: 8.690 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion: 164 Resp: 731704
Ion Ratio Lower Upper
164 100
166 121.1 101.9 152.9
129 115.2 82.1 123.1
131 103.5 80.8 121.2





#53

Toluene

Concen: 10.488 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.03 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2739315

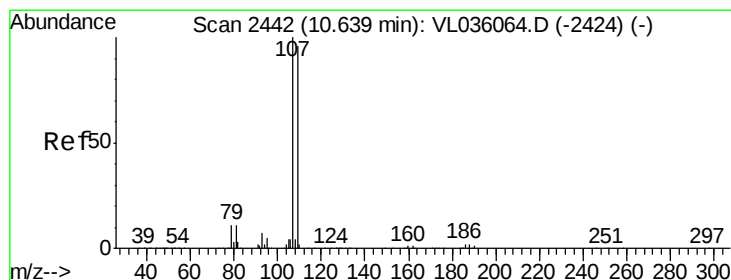
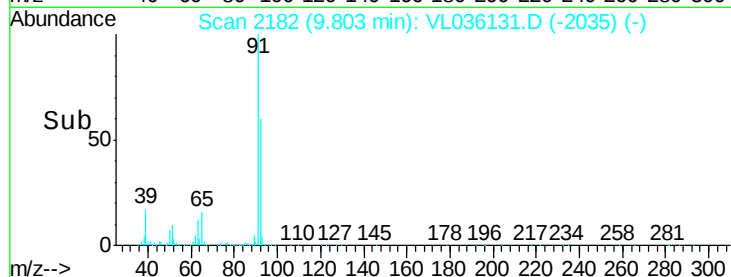
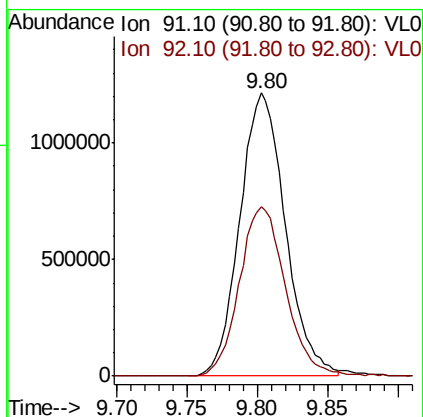
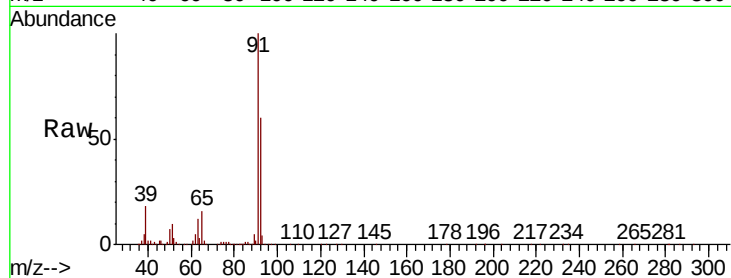
Ion Ratio Lower Upper

91 100

92 61.1 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 10.459 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. -0.03 min

Lab File: VL036131.D

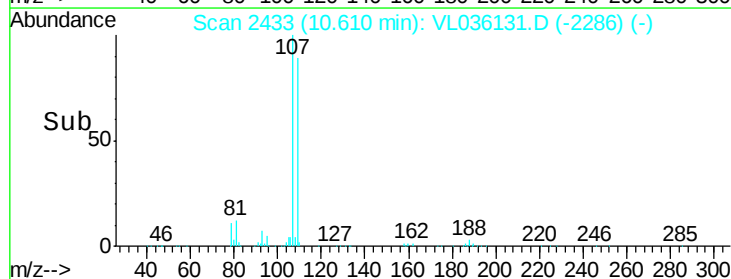
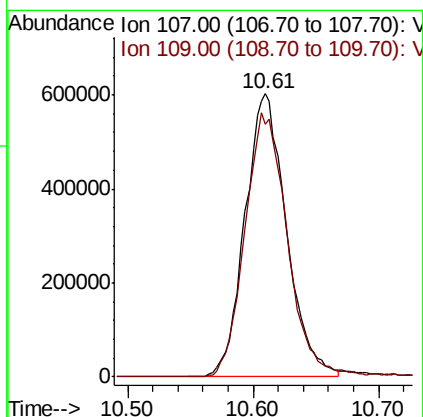
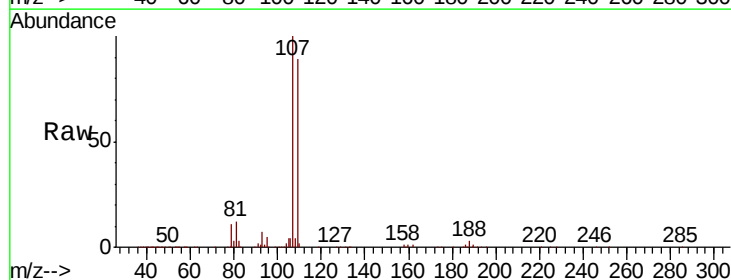
Acq: 10 Dec 2020 13:53

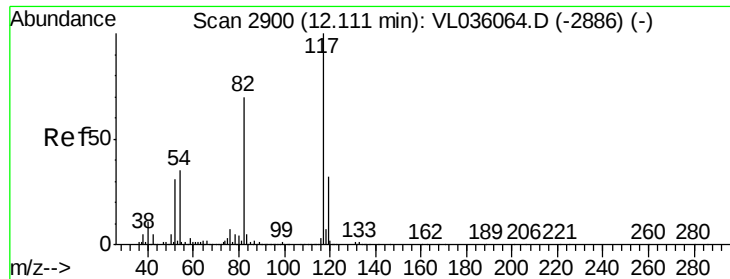
Tgt Ion: 107 Resp: 1385516

Ion Ratio Lower Upper

107 100

109 89.1 76.6 115.0





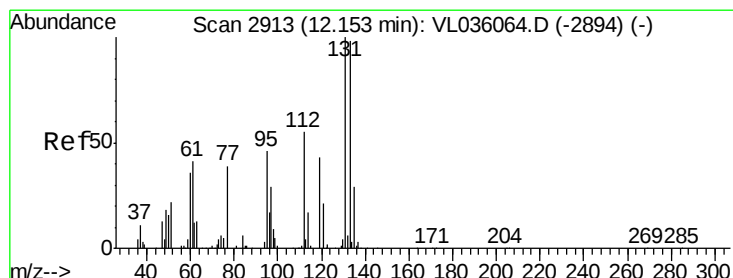
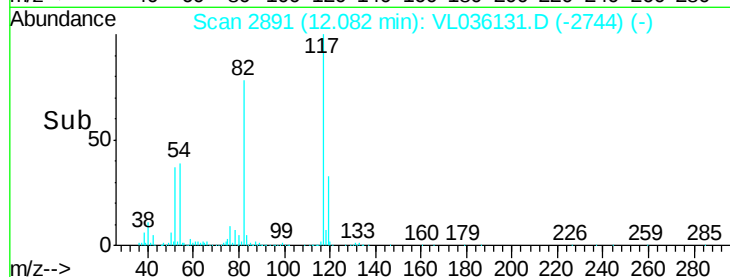
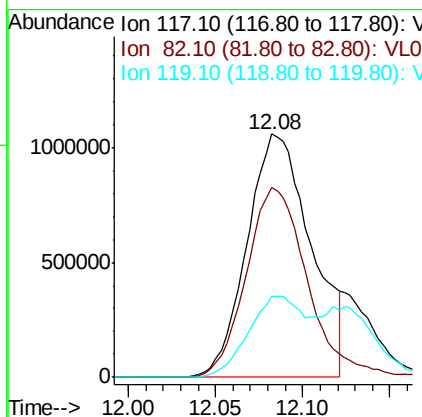
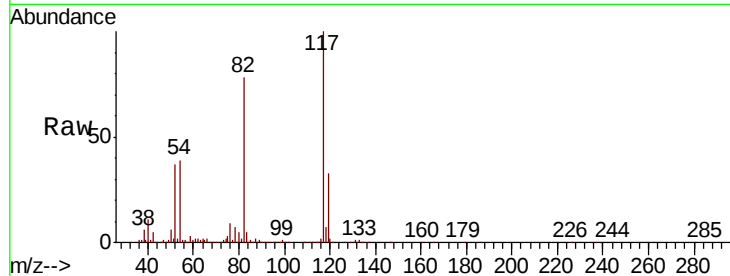
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2891
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 2707518
Ion Ratio Lower Upper
117 100
82 75.2 0.0 0.0#
119 54.7 0.0 0.0#

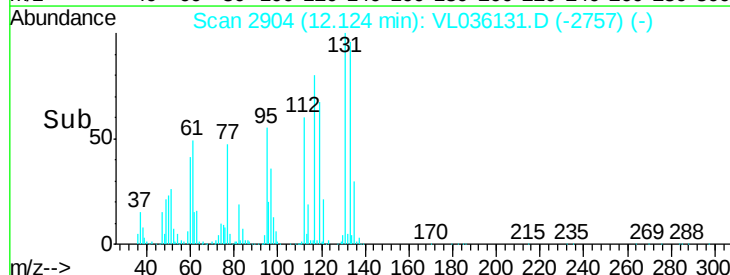
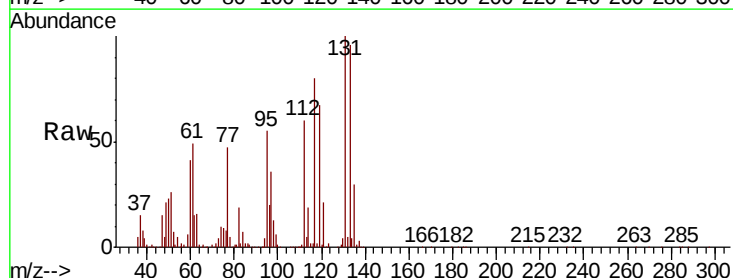
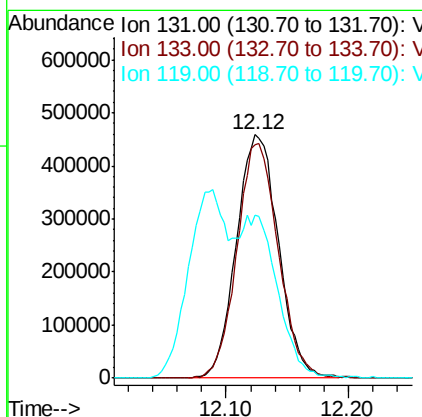
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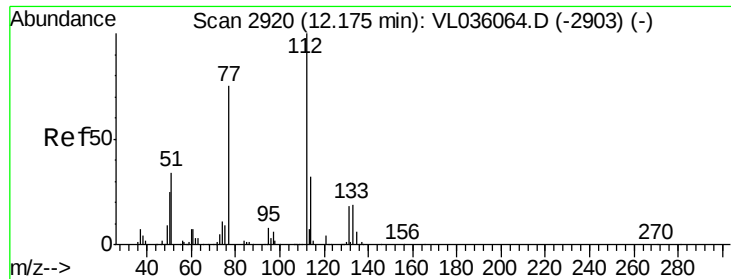
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.673 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion:131 Resp: 1085929
Ion Ratio Lower Upper
131 100
133 95.9 77.7 116.5
119 58.9 51.6 77.4





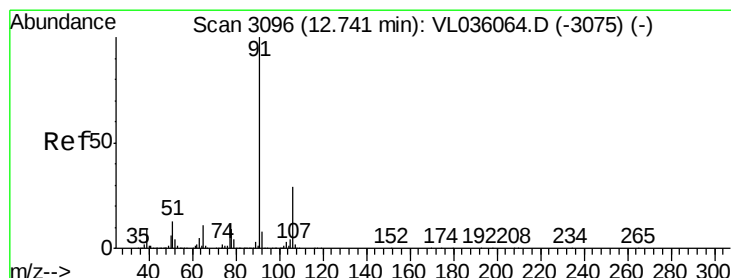
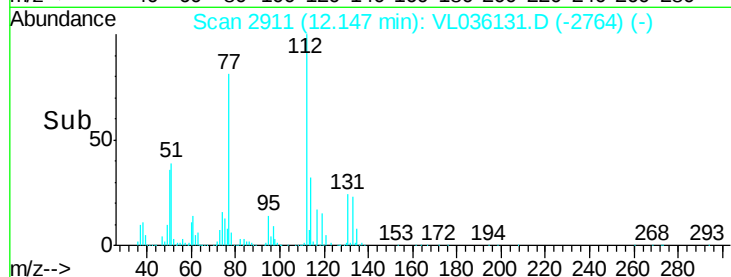
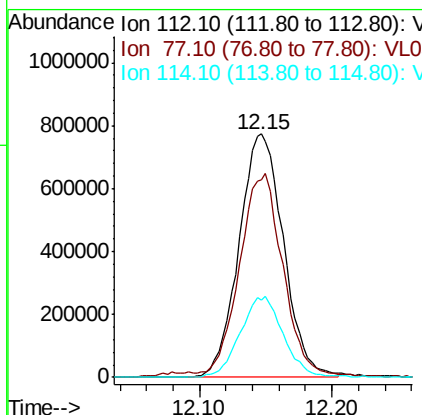
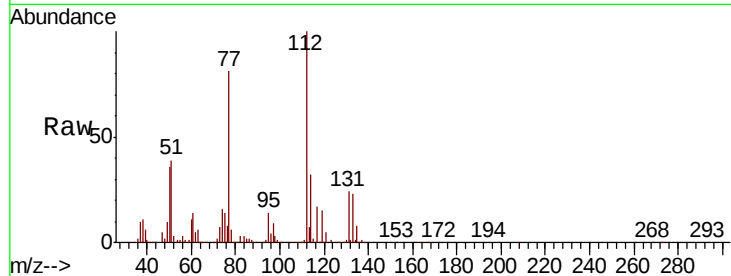
#57
Chlorobenzene
Concen: 9.432 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	80.0	60.5	90.7
114	31.6	29.2	35.6

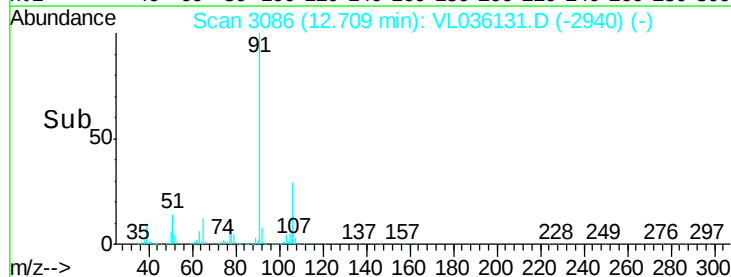
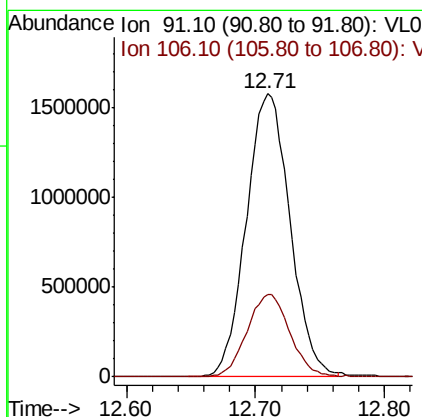
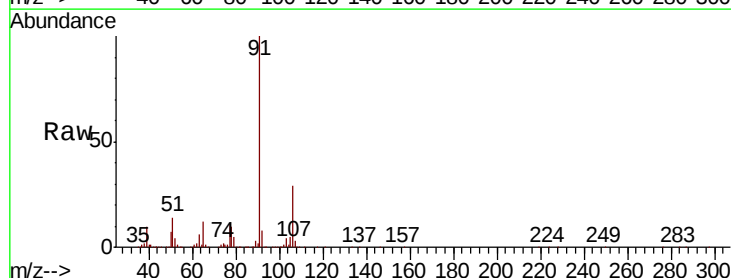
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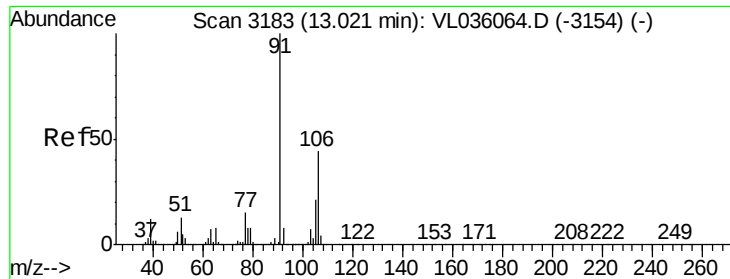
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#58
Ethyl Benzene
Concen: 10.052 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.1	23.0	34.4





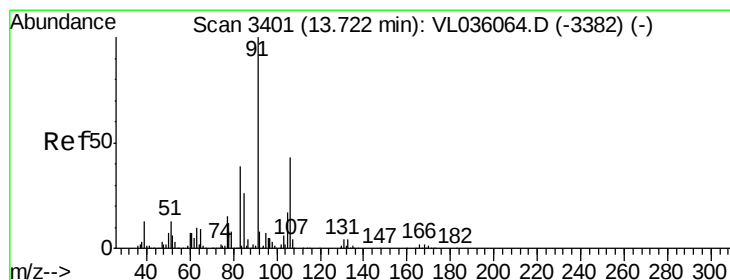
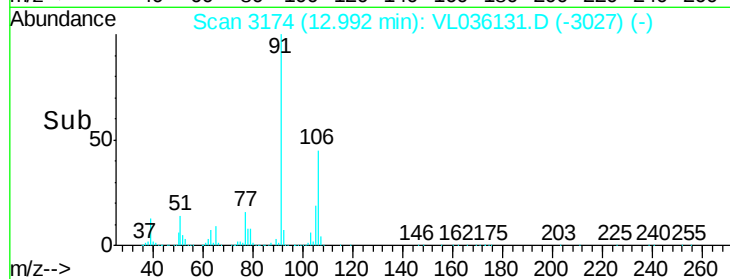
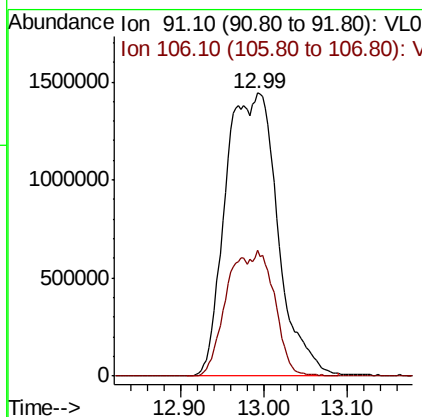
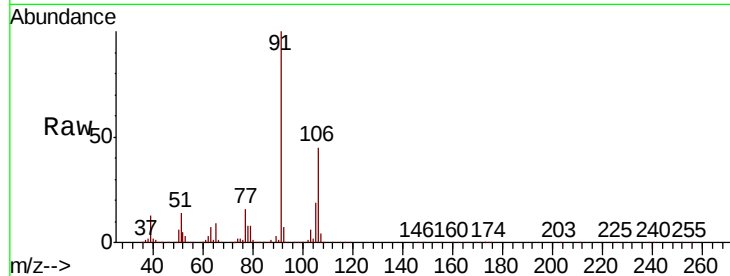
#59
m/p-Xylene
Concen: 20.021 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6256813
Ion Ratio Lower Upper
91 100
106 40.1 33.6 50.4

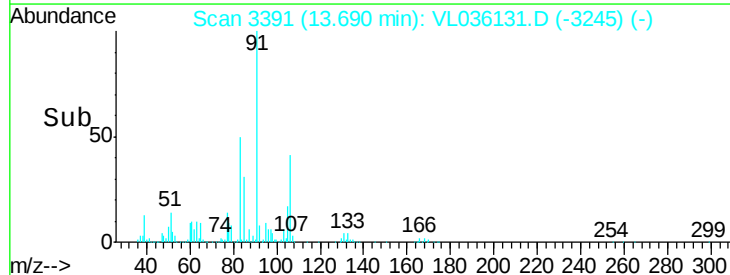
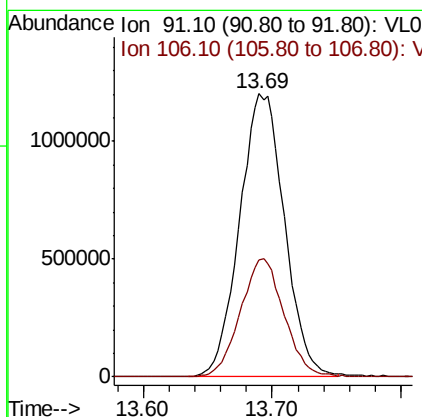
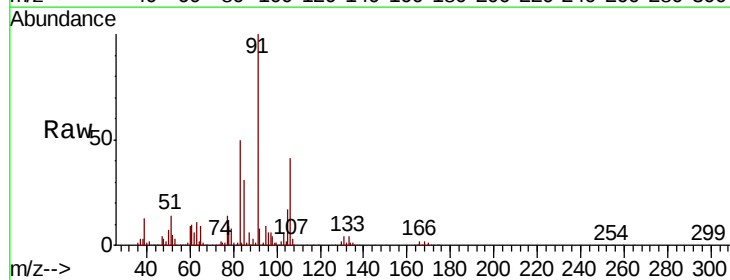
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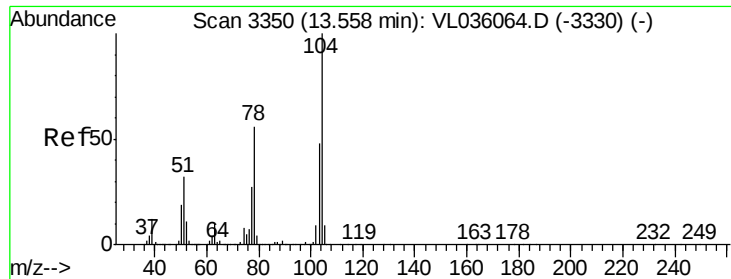
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#60
o-Xylene
Concen: 9.869 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion: 91 Resp: 2905914
Ion Ratio Lower Upper
91 100
106 40.8 21.6 64.6





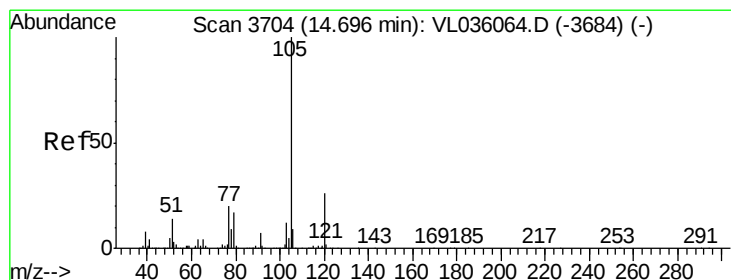
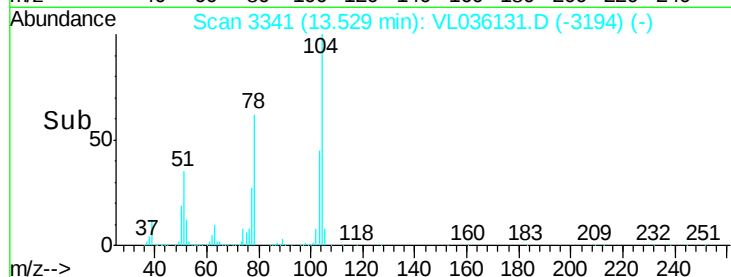
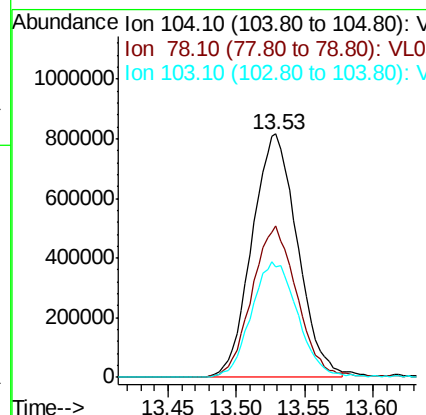
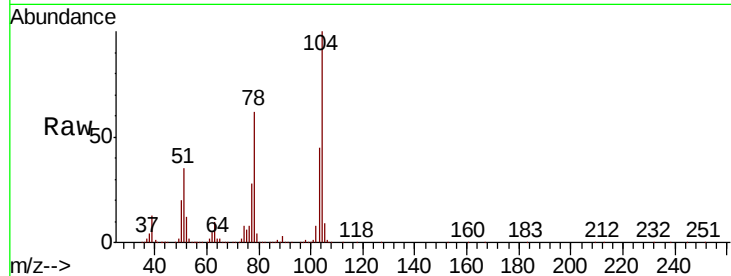
#61
Stvrene
Concen: 9.996 ppbv
RT: 13.53 min Scan# 3341
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	62.1	45.8	68.8
103	48.5	38.6	57.8

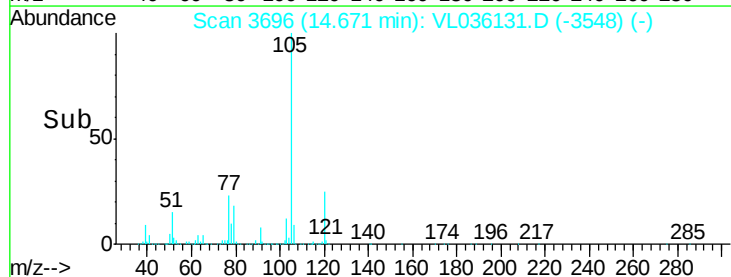
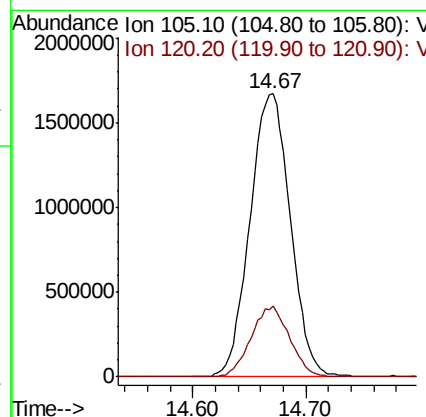
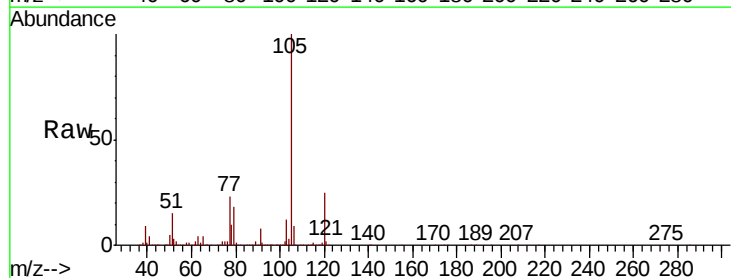
Manual Integrations
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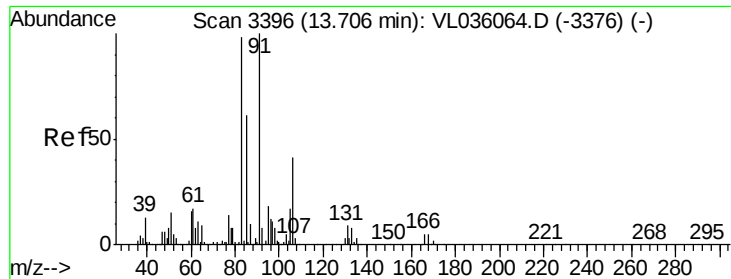
MMDadoda
12/15/2020 4:51:15 PM



#62
Isopropylbenzene
Concen: 9.498 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.9	20.1	30.1





#63

1,1,2,2-Tetrachloroethane

Concen: 9.724 ppbv

RT: 13.68 min Scan# 3387

Delta R.T. -0.03 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1928297

Ion Ratio Lower Upper

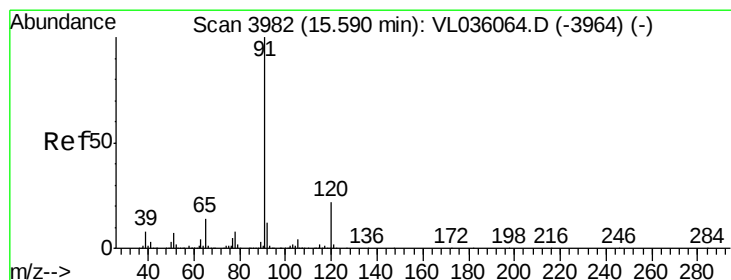
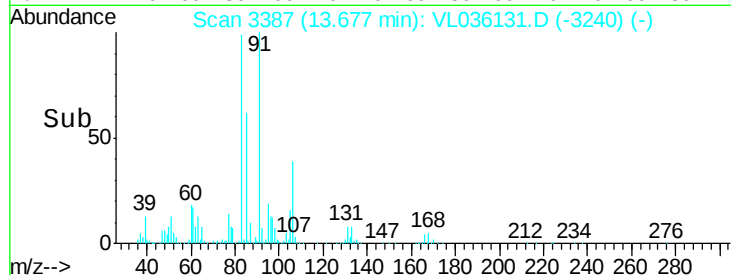
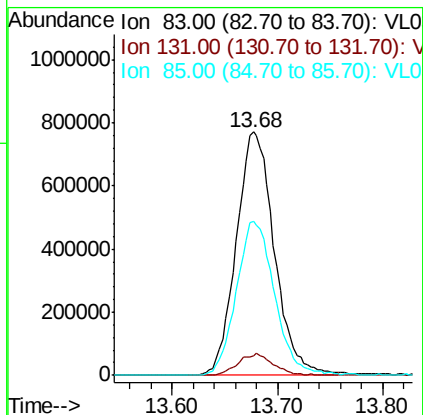
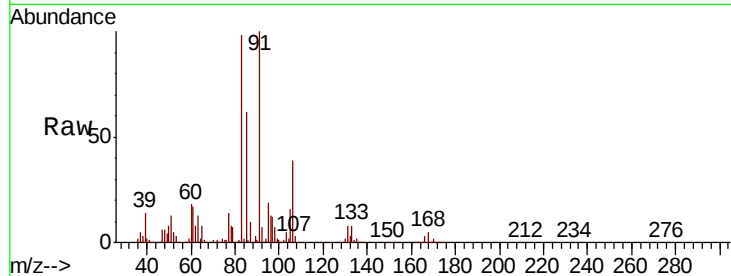
83 100

131 8.6 4.6 13.8

85 64.1 32.5 97.5

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#64

n-propylbenzene

Concen: 9.506 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. -0.03 min

Lab File: VL036131.D

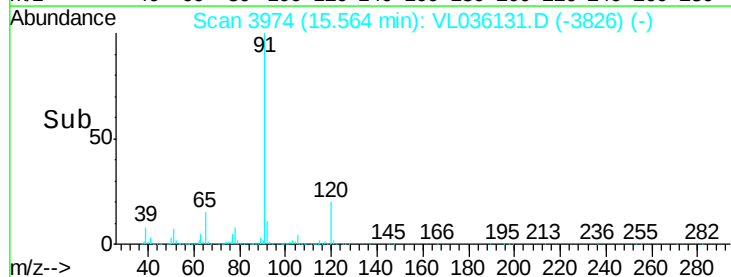
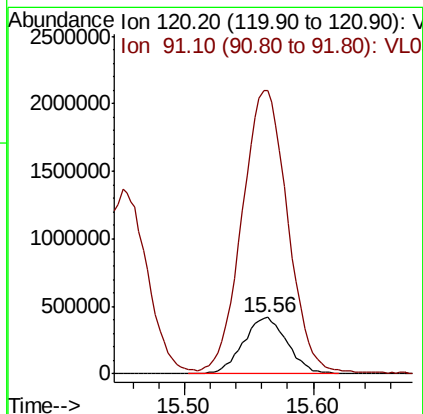
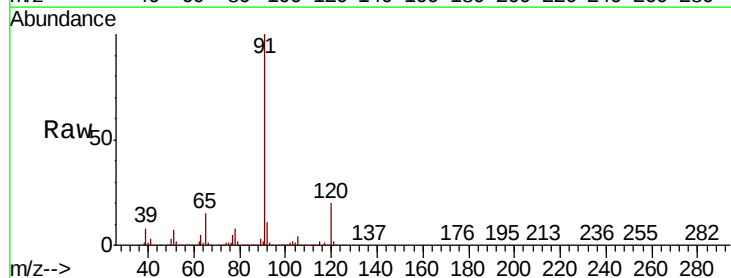
Acq: 10 Dec 2020 13:53

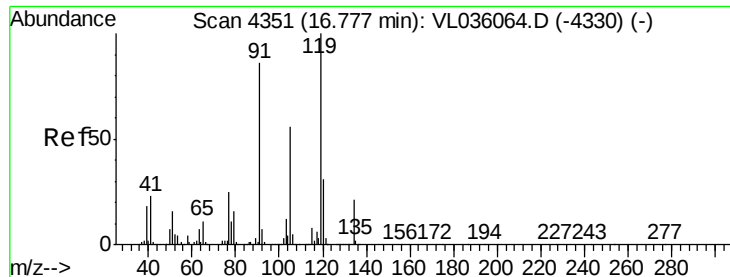
Tgt Ion: 120 Resp: 998150

Ion Ratio Lower Upper

120 100

91 521.8 388.9 583.3





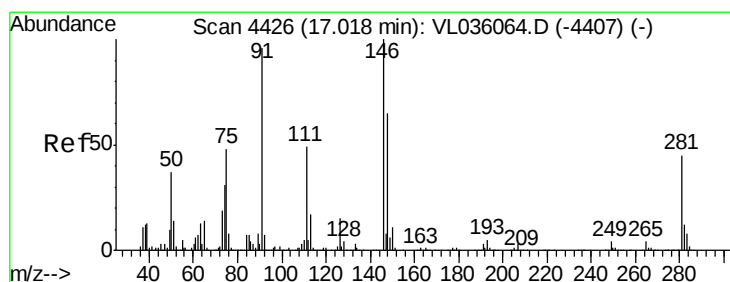
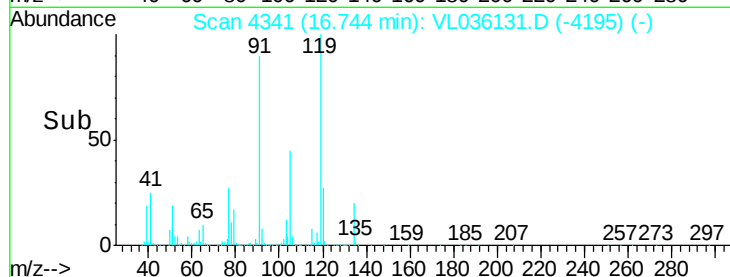
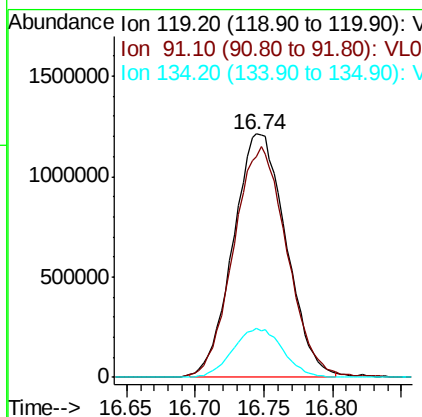
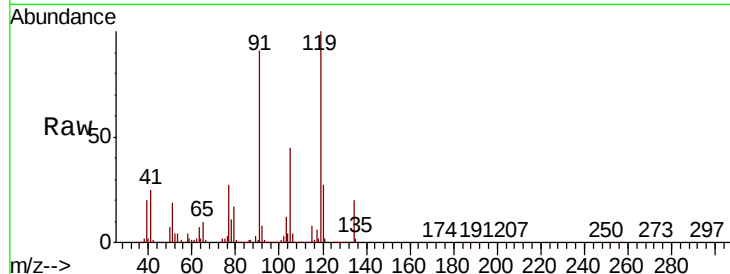
#65
tert-Butylbenzene
Concen: 9.089 ppbv m
RT: 16.74 min Scan# 4341
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:119 Resp: 3247095
Ion Ratio Lower Upper
119 100
91 95.7 70.2 105.2
134 19.1 15.8 23.6

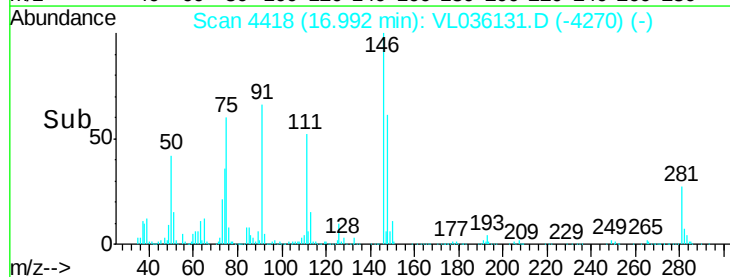
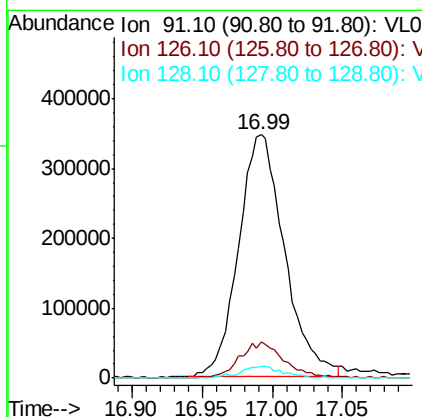
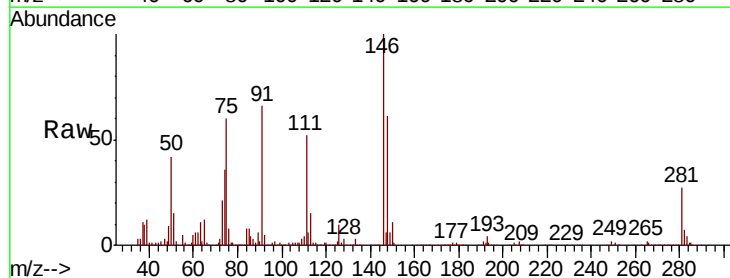
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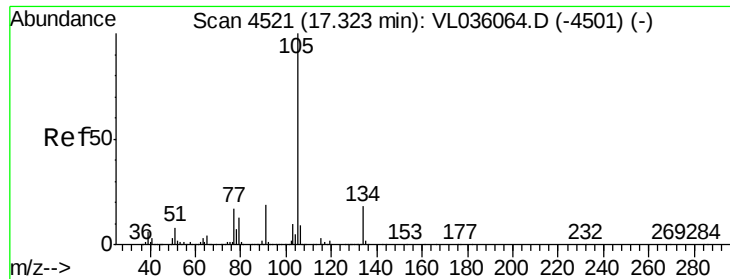
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#66
Benzyl Chloride
Concen: 8.816 ppbv
RT: 16.99 min Scan# 4418
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion: 91 Resp: 784250
Ion Ratio Lower Upper
91 100
126 14.8 13.5 20.3
128 4.8 4.4 6.6





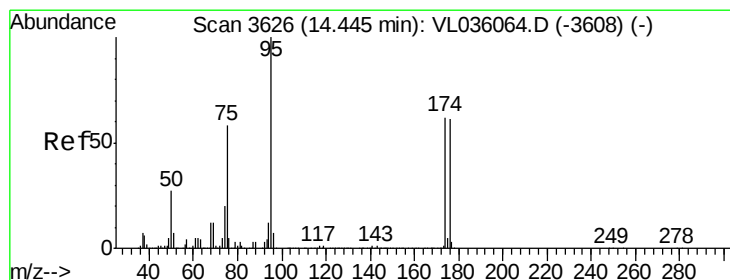
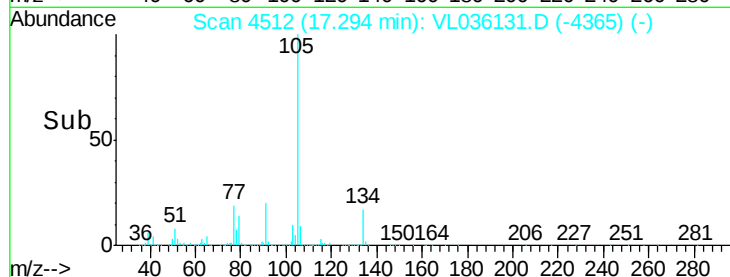
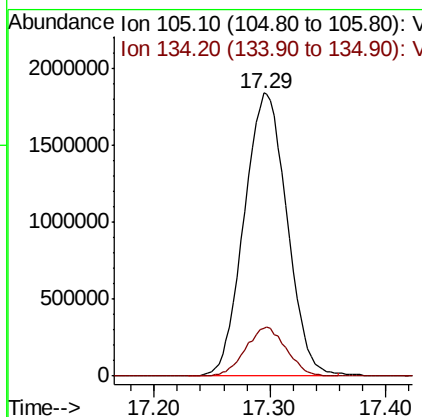
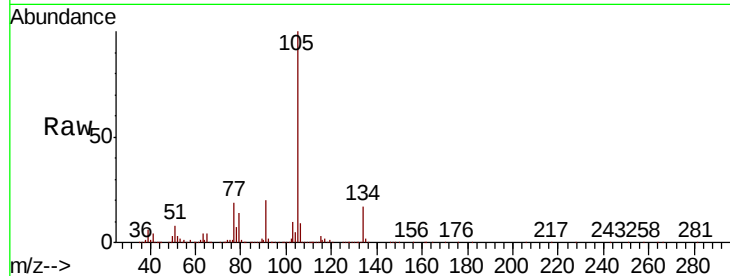
#67
 sec-Butylbenzene
 Concen: 9.428 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 4713796
 Ion Ratio Lower Upper
 105 100
 134 16.7 14.2 21.4

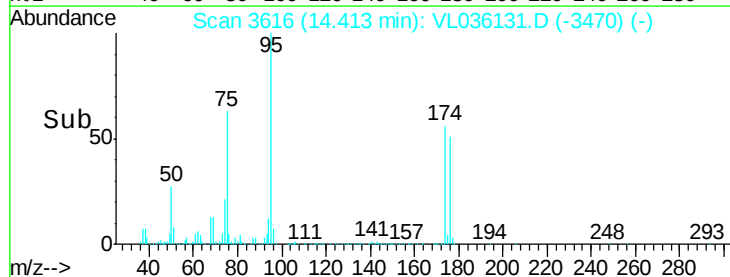
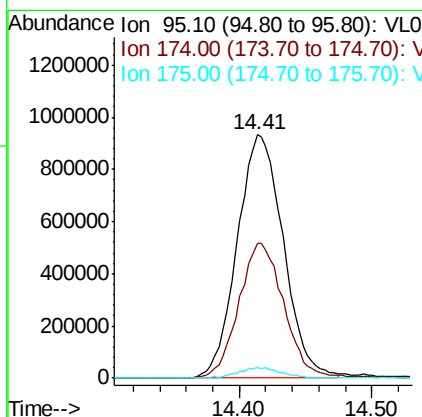
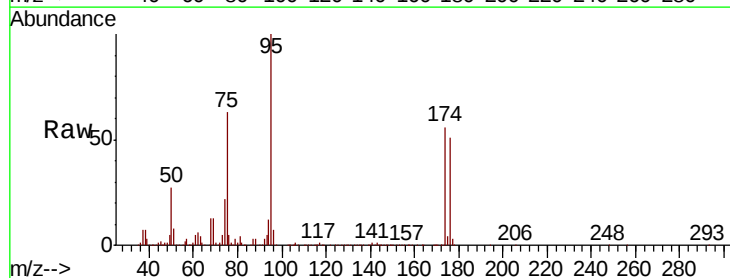
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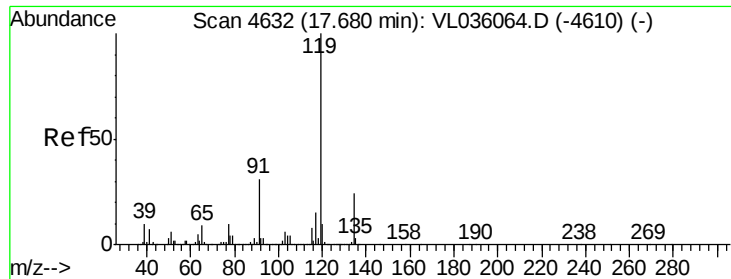
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.431 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion: 95 Resp: 2242443
 Ion Ratio Lower Upper
 95 100
 174 55.1 50.7 76.1
 175 4.1 4.0 6.0





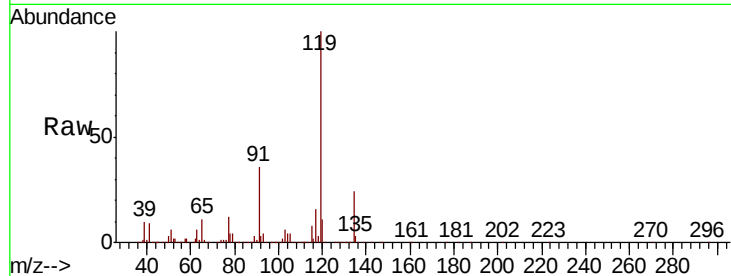
#69
 p-Isopropyltoluene
 Concen: 9.210 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	19.8	29.6
91	35.3	25.8	38.6

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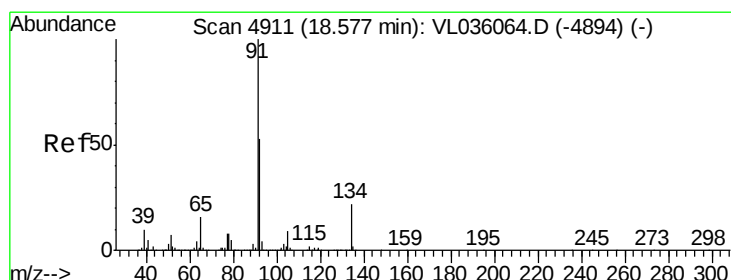
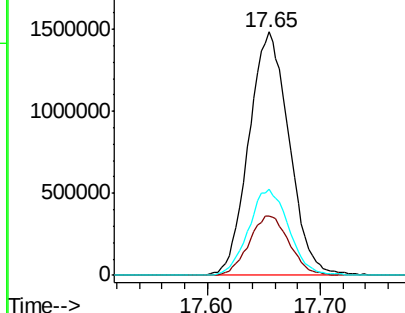
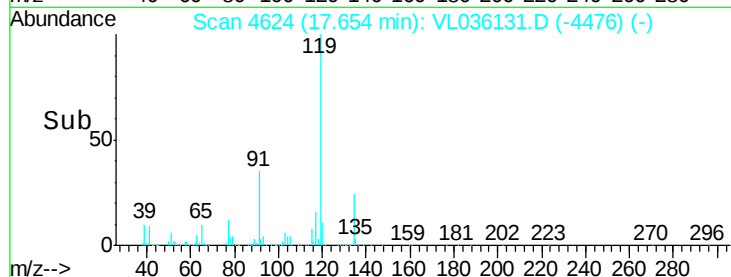


Abundance

Ion 119.10 (118.80 to 119.80): V

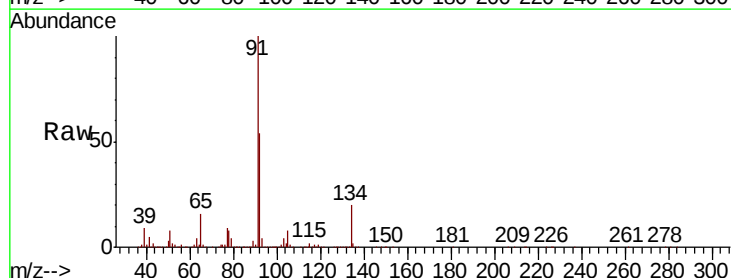
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 10.104 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. -0.02 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.3	64.9
134	19.3	17.1	25.7

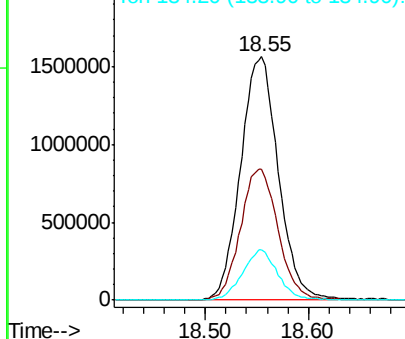
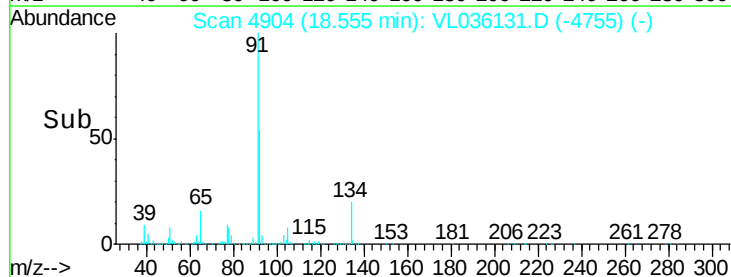


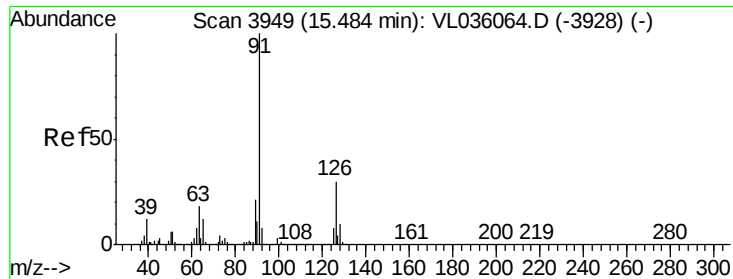
Abundance

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





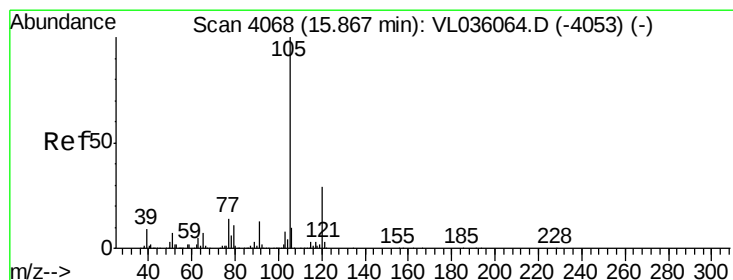
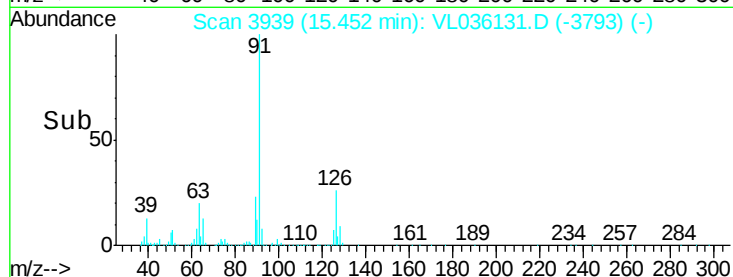
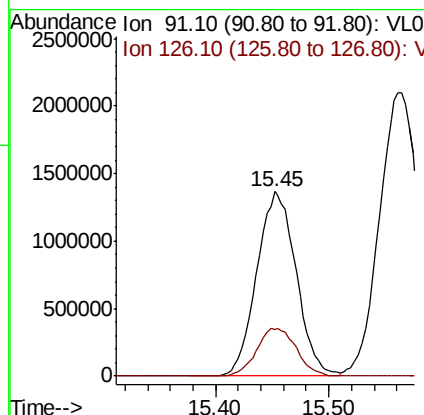
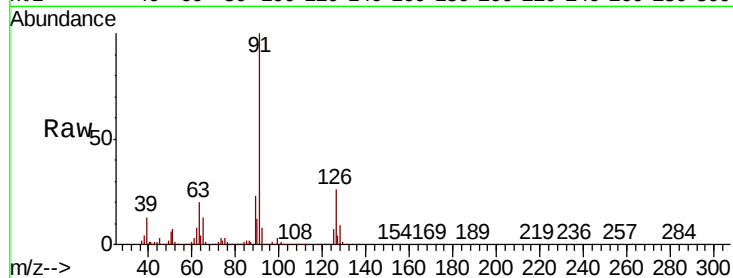
#71
2-Chlorotoluene
Concen: 9.993 ppbv
RT: 15.45 min Scan# 3939
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 3296983
Ion Ratio Lower Upper
91 100
126 26.4 11.6 46.4

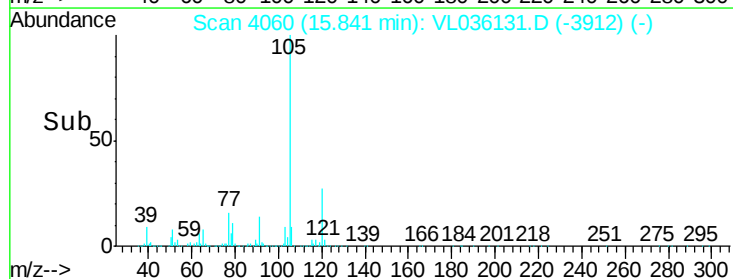
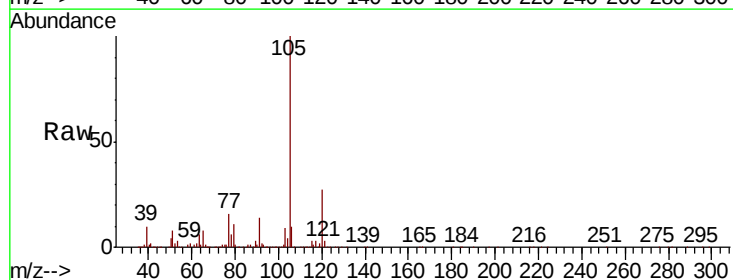
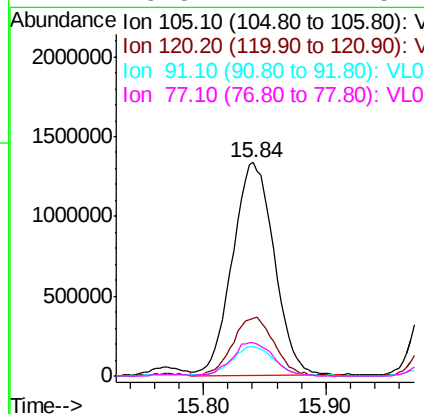
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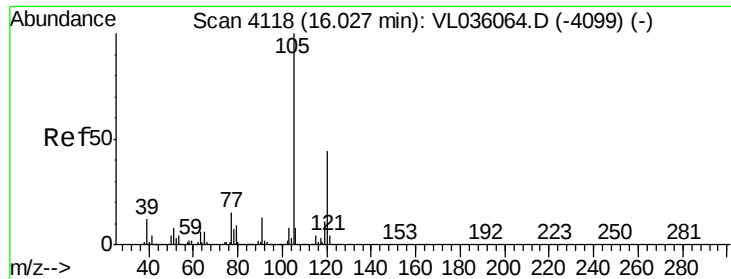
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#72
4-Ethyltoluene
Concen: 9.904 ppbv
RT: 15.84 min Scan# 4060
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion: 105 Resp: 3159090
Ion Ratio Lower Upper
105 100
120 27.7 23.6 35.4
91 13.8 11.4 17.0
77 15.8 12.1 18.1





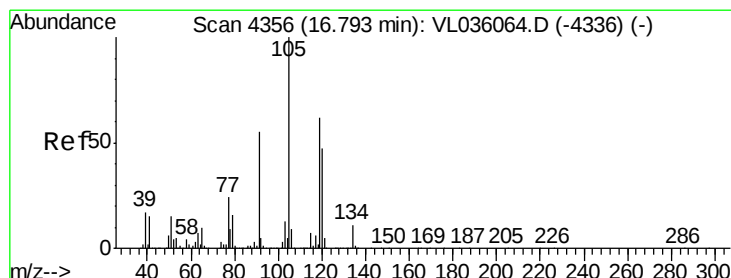
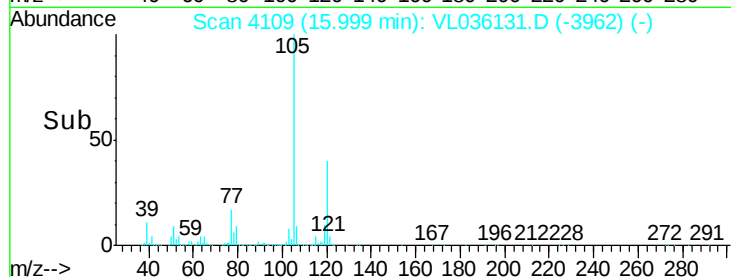
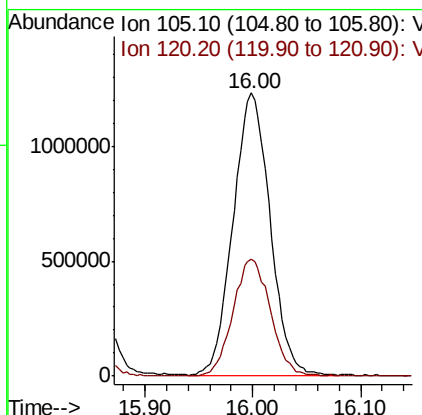
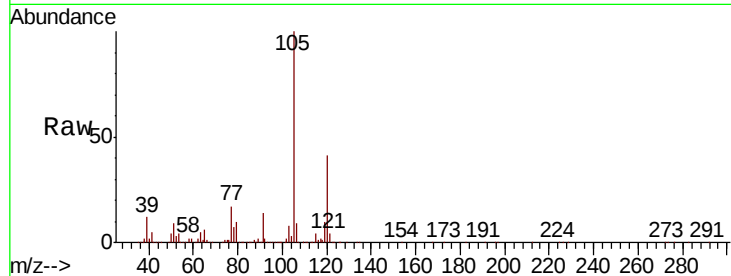
#73
 1,3,5-Trimethylbenzene
 Concen: 9.597 ppbv
 RT: 16.00 min Scan# 4109
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 2923331
 Ion Ratio Lower Upper
 105 100
 120 41.4 35.4 53.2

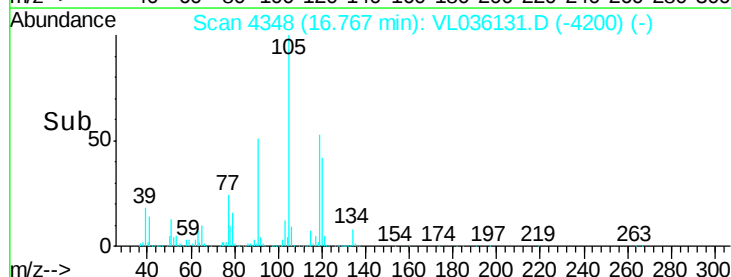
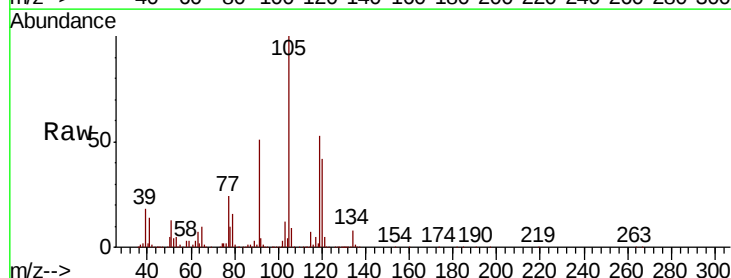
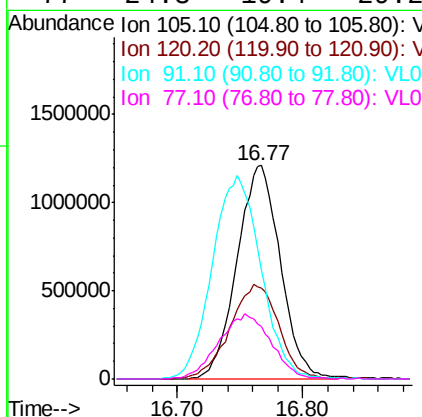
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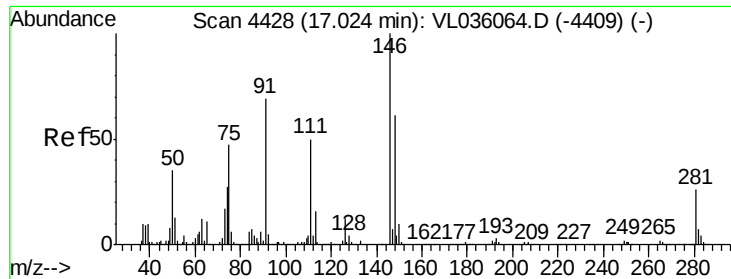
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.458 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion:105 Resp: 2891989
 Ion Ratio Lower Upper
 105 100
 120 42.0 37.4 56.0
 91 50.5 45.6 68.4
 77 24.3 19.4 29.2





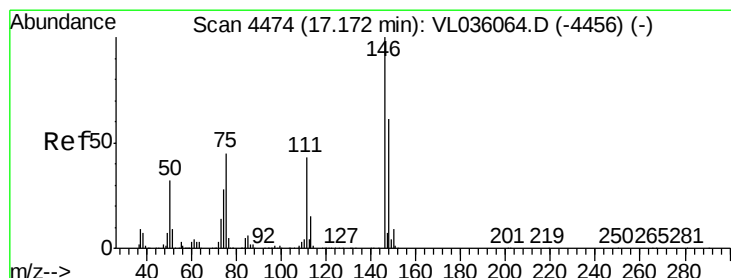
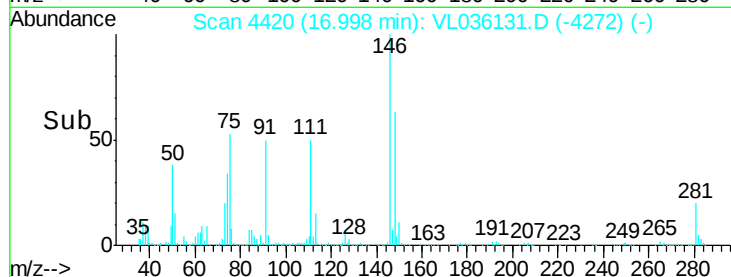
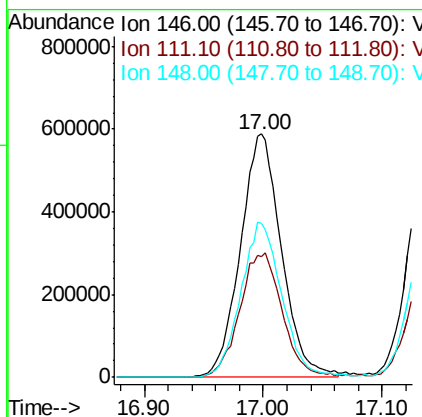
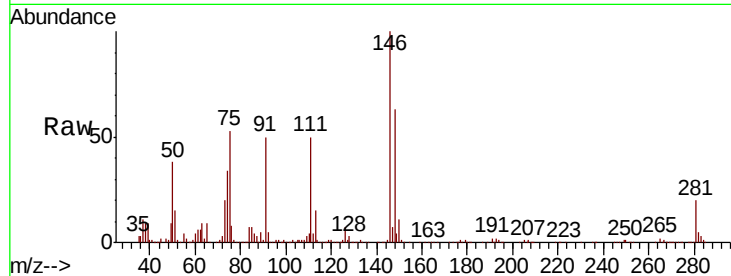
#75
 1,3-Dichlorobenzene
 Concen: 9.146 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.2	25.1	75.3
148	64.0	32.9	98.6

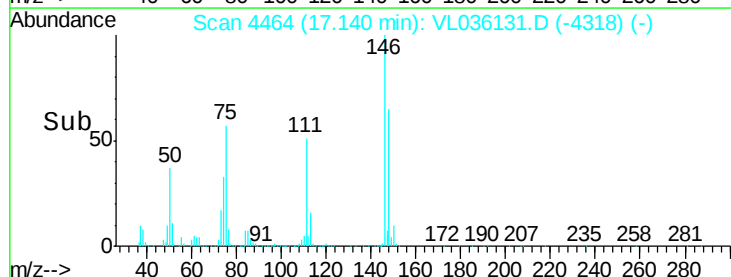
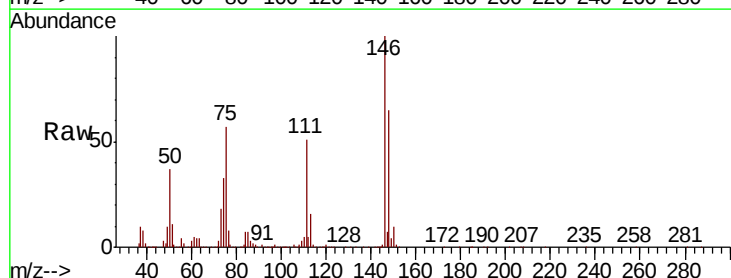
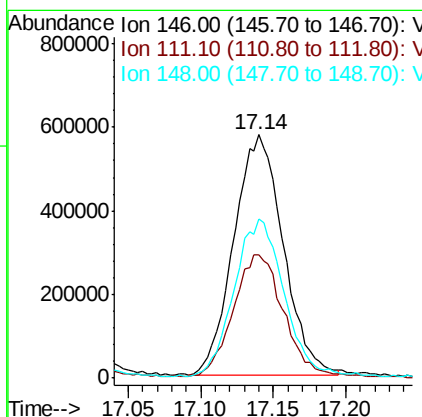
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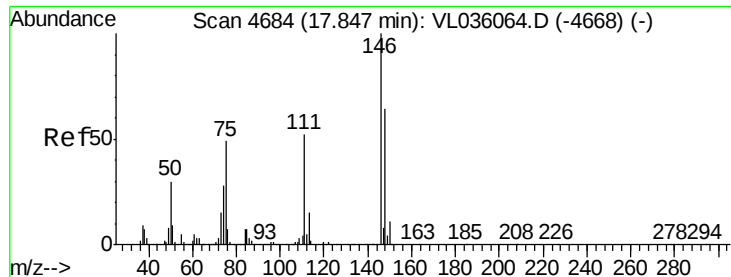
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 8.691 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	53.6	24.3	72.8
148	68.1	32.8	98.3





#77

1,2-Dichlorobenzene

Concen: 8.850 ppbv

RT: 17.82 min Scan# 4676

Delta R.T. -0.03 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:146 Resp: 1293358

Ion Ratio Lower Upper

146 100

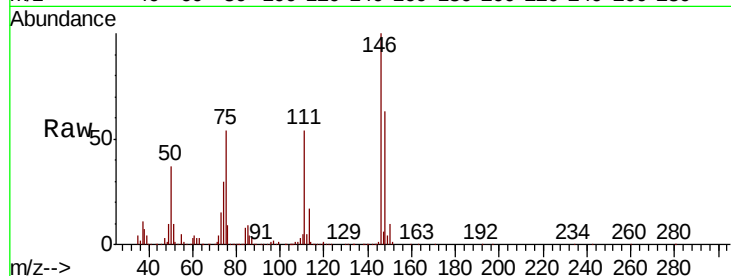
111 56.1 26.1 78.2

148 65.5 33.1 99.5

Manual Integrations
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MMDadoda

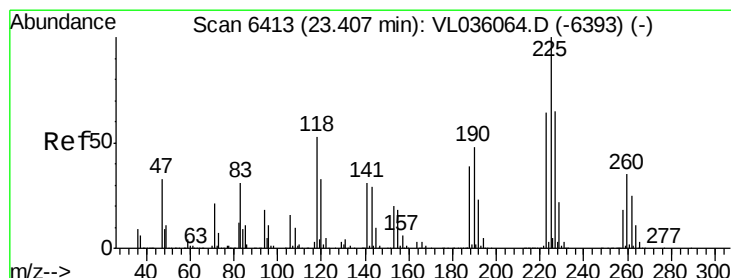
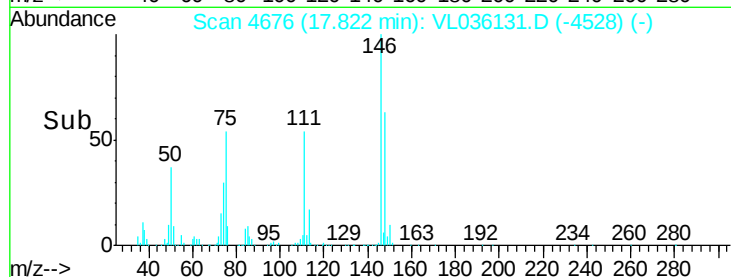
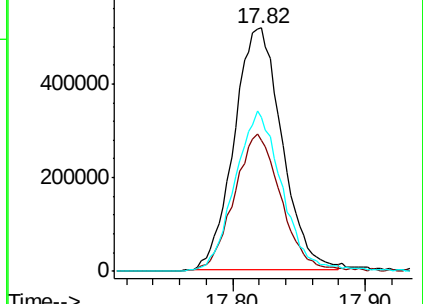
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 8.200 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. -0.03 min

Lab File: VL036131.D

Acq: 10 Dec 2020 13:53

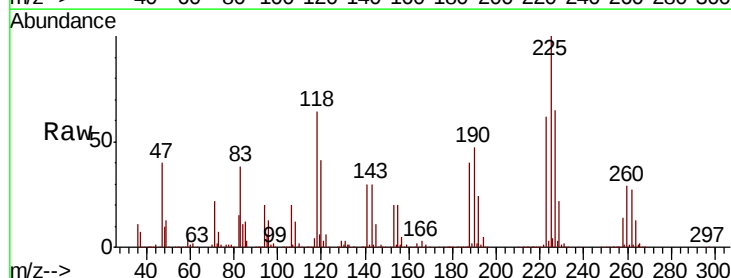
Tgt Ion:225 Resp: 960527

Ion Ratio Lower Upper

225 100

223 64.4 51.1 76.7

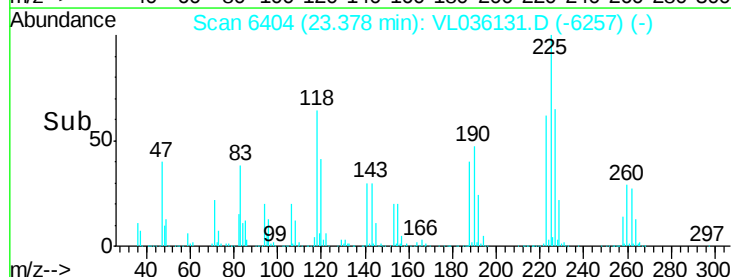
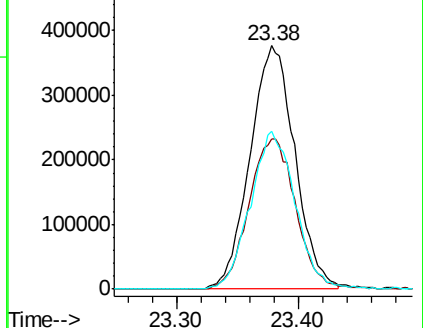
227 65.3 51.7 77.5

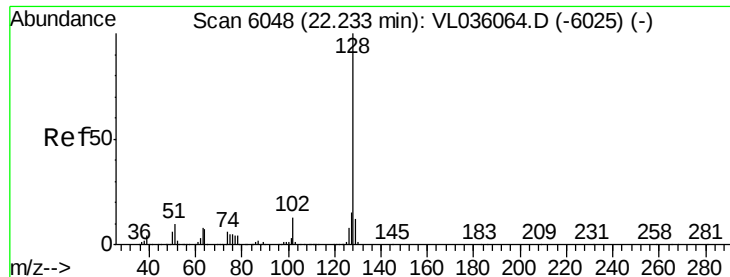


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





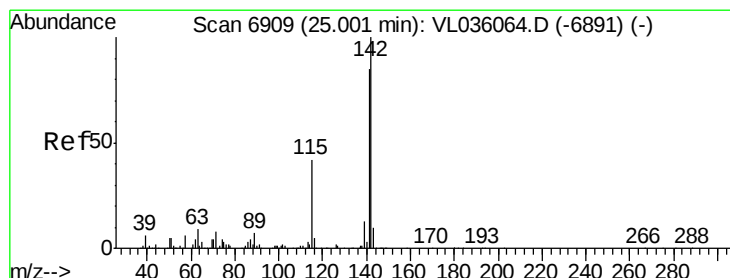
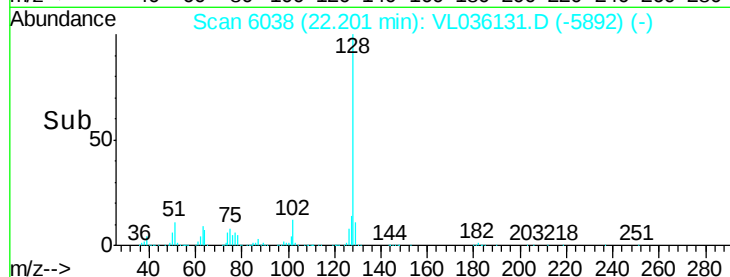
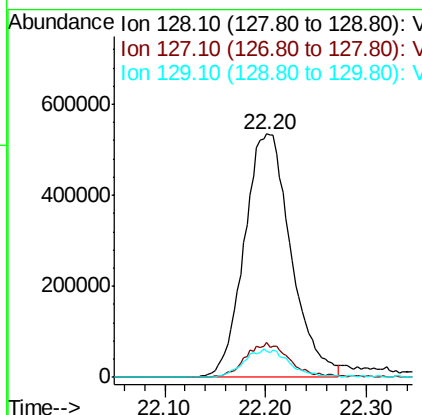
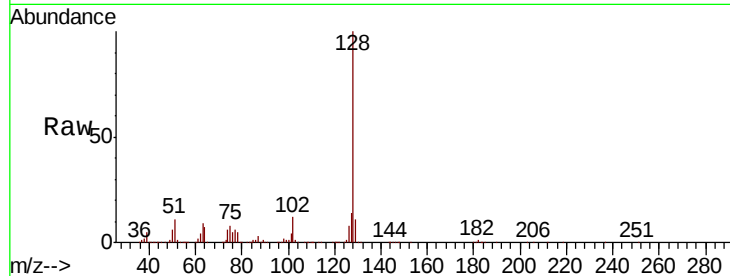
#79
Naphthalene
Concen: 11.047 ppbv
RT: 22.20 min Scan# 6038
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.4	11.7	17.5
129	10.7	9.3	13.9

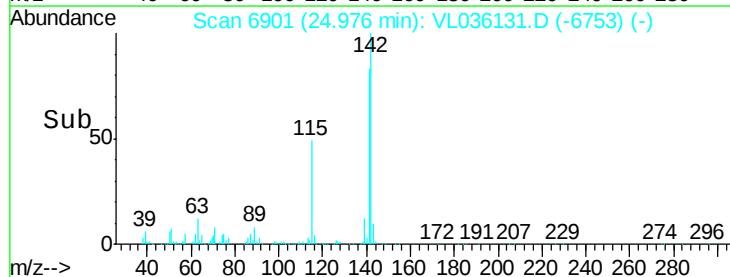
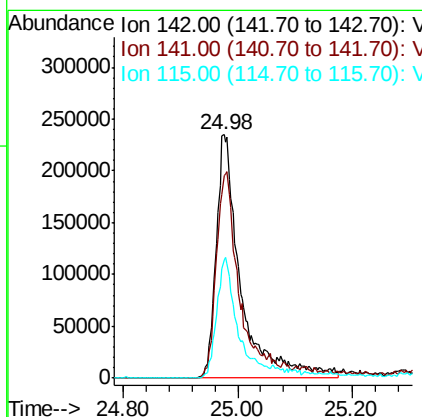
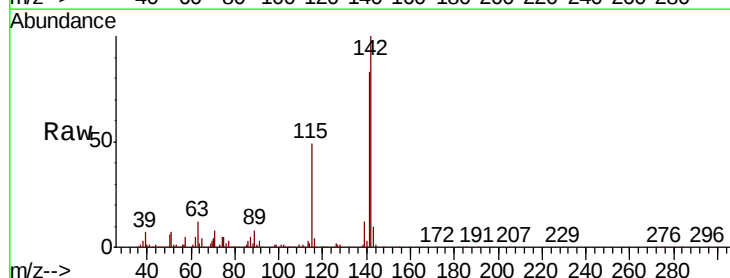
Manual Integrations
APPROVED

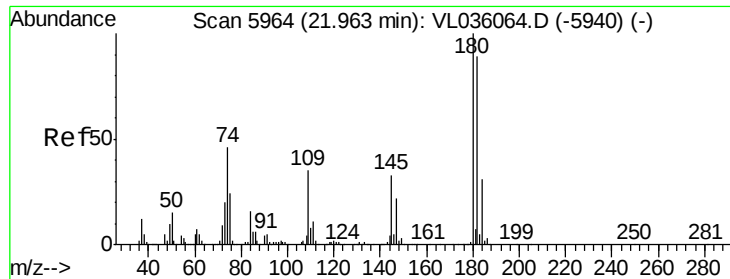
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#80
Naphthalene, 2-methyl-
Concen: 20.464 ppbv
RT: 24.98 min Scan# 6901
Delta R.T. -0.03 min
Lab File: VL036131.D
Acq: 10 Dec 2020 13:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	80.7	64.3	96.5
115	46.1	33.9	50.9





#81
 1,2,4-Trichlorobenzene
 Concen: 9.466 ppbv
 RT: 21.93 min Scan# 5954
 Delta R.T. -0.03 min
 Lab File: VL036131.D
 Acq: 10 Dec 2020 13:53

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180	Resp: 983056
Ion Ratio Lower Upper	
180 100	
182 100.2 0.0 0.0#	
184 32.5 0.0 0.0#	

Manual Integrations
 APPROVED

MMDadoda
 12/15/2020 4:51:15 PM

