

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036053.D
 Acq On : 3 Dec 2020 14:13
 Operator : SY/AP
 Sample : VSTDIC0.5
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:31 PM

Quant Time: Dec 03 15:00:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 0
 QLast Update : Thu Dec 03 14:24:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1199267	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4283004	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3895325	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2925079	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	126213	0.605	ppbv 94
3) Chlorodifluoromethane	2.97	51	74439	0.526	ppbv 98
4) Chloromethane	3.12	50	37246	0.538	ppbv 89
5) Vinyl Chloride	3.24	62	40847	0.465	ppbv 95
6) Bromomethane	3.46	94	33938	0.491	ppbv 94
7) Chloroethane	3.55	64	16213	0.513	ppbv # 82
8) Dichlorotetrafluoroethane	3.17	85	129813	0.527	ppbv 97
9) Propene	2.99	41	23971	0.485	ppbv 89
10) Heptane	8.11	43	56386	0.418	ppbv 93
11) Trichlorofluoromethane	3.93	101	139927	0.495	ppbv 94
12) 1,1,2-Trichlorotrifluoroet	4.47	101	110082	0.517	ppbv 99
13) Ethanol	3.60	45	4629	0.463	ppbv # 35
14) Bromoethene	3.73	108	43539	0.505	ppbv # 95
15) Acetone	3.85	43	73593	0.591	ppbv # 84
16) 1,3-Butadiene	3.31	39	26159	0.478	ppbv 93
17) tert-Butyl alcohol	4.29	59	76577	0.561	ppbv 96
18) 1,1-Dichloroethene	4.27	96	47442	0.502	ppbv 90
19) Isopropyl Alcohol	3.97	45	36083	0.540	ppbv # 74
20) Methylene Chloride	4.33	84	70847	0.657	ppbv 98
21) Allyl Chloride	4.40	41	30913	0.466	ppbv 93
22) trans-1,2-Dichloroethene	4.87	96	47839	0.510	ppbv 97
23) Vinyl Acetate	5.07	43	65216	0.443	ppbv # 94
24) 1,1-Dichloroethane	5.00	63	86155	0.513	ppbv 97
25) Ethyl Acetate	5.67	43	133461m	0.533	ppbv
26) Hexane	5.67	57	71052	0.534	ppbv 98
27) Carbon Disulfide	4.54	76	85180	0.440	ppbv 96
28) Methyl tert-Butyl Ether	5.03	73	97183	0.490	ppbv 97
29) Chloroform	5.74	83	130802	0.520	ppbv 96
30) Cyclohexane	7.11	84	53002	0.422	ppbv # 76
31) cis-1,2-Dichloroethene	5.53	61	59033	0.485	ppbv 97
32) 1,1,1-Trichloroethane	6.50	97	111180m	0.482	ppbv
34) 2-Butanone	5.24	43	67353	0.459	ppbv 89
35) Carbon Tetrachloride	7.00	117	102727	0.459	ppbv 92
36) Benzene	6.88	78	139677	0.477	ppbv 94
37) 1,2-Dichloroethane	6.29	62	76753	0.505	ppbv 100
38) Trichloroethene	7.83	130	60518	0.462	ppbv 93
39) 1,2-Dichloropropane	7.60	63	54301	0.484	ppbv 90
40) 1,4-Dioxane	7.86	88	19693m	0.526	ppbv
41) Tetrahydrofuran	6.06	42	29150	0.380	ppbv 96
42) Bromodichloromethane	7.78	83	103730	0.432	ppbv 95
43) Methyl Methacrylate	8.01	69	41702	0.391	ppbv 96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
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 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

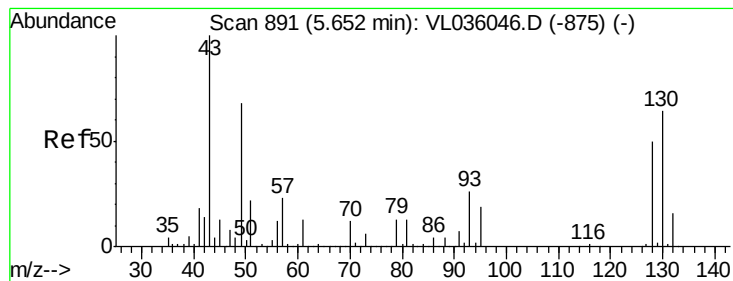
Manual Integrations
 APPROVED

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 12/7/2020 12:08:31 PM

Quant Time: Dec 03 15:00:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 15:00:06 2020
 QLast Update : Thu Dec 03 14:24:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	197221	0.454	ppbv	94
45) t-1,3-Dichloropropene	9.27	75	36096m	0.358	ppbv	
46) cis-1,3-Dichloropropene	8.69	75	46106	0.341	ppbv	95
47) 1,1,2-Trichloroethane	9.46	97	69696m	0.495	ppbv	
48) Dibromochloromethane	10.29	129	75777	0.383	ppbv	96
49) Bromoform	13.03	173	51177	0.348	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	96749m	0.434	ppbv	
51) 2-Hexanone	10.15	43	58745m	0.364	ppbv	
52) Tetrachloroethene	11.21	164	53010m	0.467	ppbv	
53) Toluene	9.80	91	125198	0.393	ppbv	97
54) 1,2-Dibromoethane	10.60	107	88535	0.444	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	76513m	0.481	ppbv	
57) Chlorobenzene	12.14	112	148259	0.516	ppbv #	90
58) Ethyl Benzene	12.70	91	152728	0.396	ppbv	96
59) m/p-Xylene	12.99	91	297538m	0.847	ppbv	
60) o-Xylene	13.68	91	155485	0.439	ppbv	99
61) Styrene	13.52	104	64708m	0.322	ppbv	
62) Isopropylbenzene	14.66	105	243264	0.462	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.67	83	138206	0.465	ppbv	97
64) n-propylbenzene	15.55	120	56296	0.406	ppbv #	64
65) tert-Butylbenzene	16.74	119	179579	0.407	ppbv	97
66) Benzyl Chloride	16.99	91	37802m	0.356	ppbv	
67) sec-Butylbenzene	17.29	105	254222m	0.422	ppbv	
69) p-Isopropyltoluene	17.65	119	166826	0.367	ppbv	96
70) n-Butylbenzene	18.55	91	171906m	0.382	ppbv	
71) 2-Chlorotoluene	15.45	91	152748	0.422	ppbv	98
72) 4-Ethyltoluene	15.84	105	135378	0.371	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	141525m	0.414	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	163944	0.430	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	110330m	0.478	ppbv	
76) 1,4-Dichlorobenzene	17.13	146	103387m	0.474	ppbv	
77) 1,2-Dichlorobenzene	17.82	146	103180m	0.488	ppbv	
78) Hexachloro-1,3-Butadiene	23.37	225	58082	0.499	ppbv	98
79) Naphthalene	22.21	128	59190m	0.333	ppbv	
80) Naphthalene, 2-methyl-	25.02	142	9863m	0.280	ppbv	
81) 1,2,4-Trichlorobenzene	21.94	180	47918m	0.392	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 49 Resp: 1199267

Ion Ratio Lower Upper

49 100

128 76.2 38.3 114.8

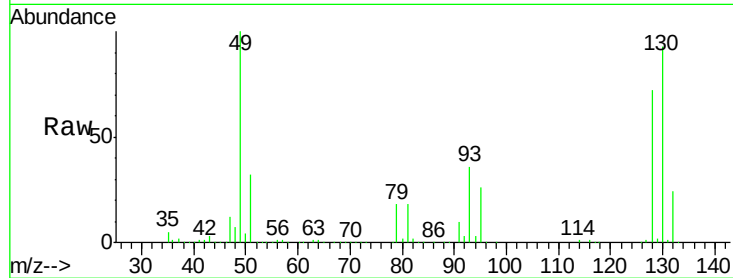
130 96.9 49.1 147.4

Manual Integrations

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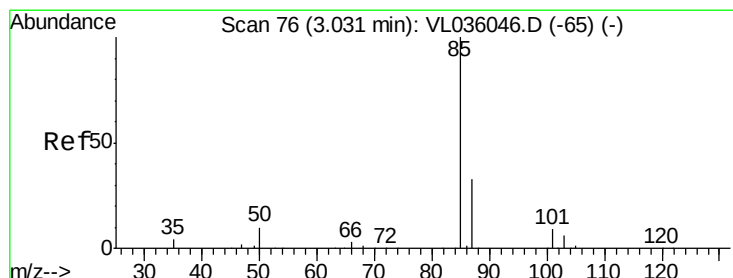
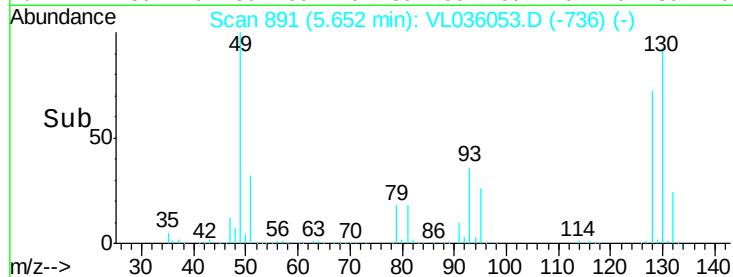
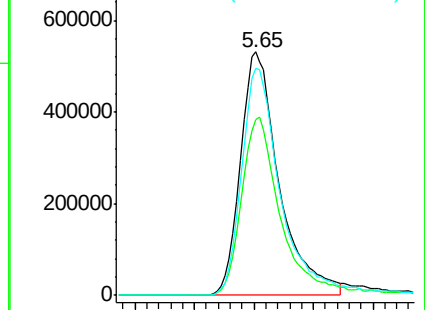
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.605 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036053.D

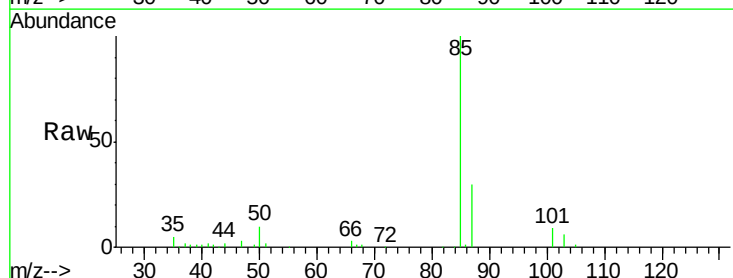
Acq: 3 Dec 2020 14:13

Tgt Ion: 85 Resp: 126213

Ion Ratio Lower Upper

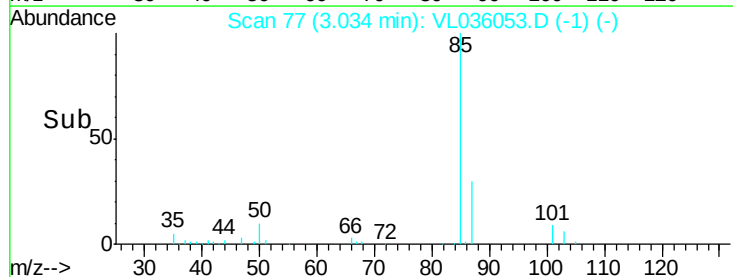
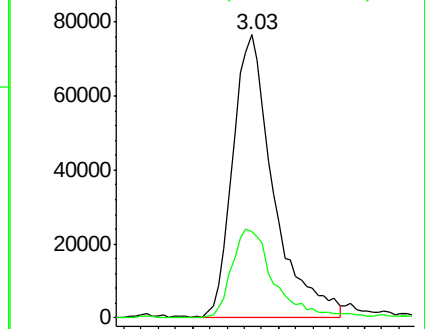
85 100

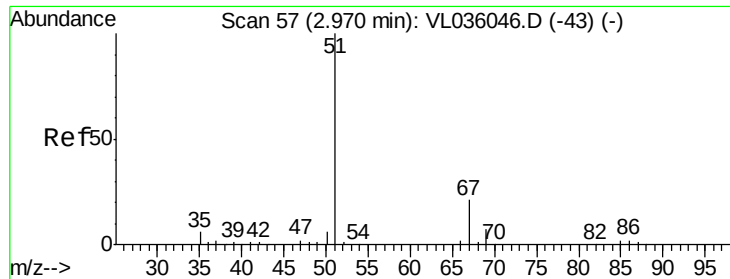
87 30.3 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.526 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 51 Resp: 74439

Ion Ratio Lower Upper

51 100

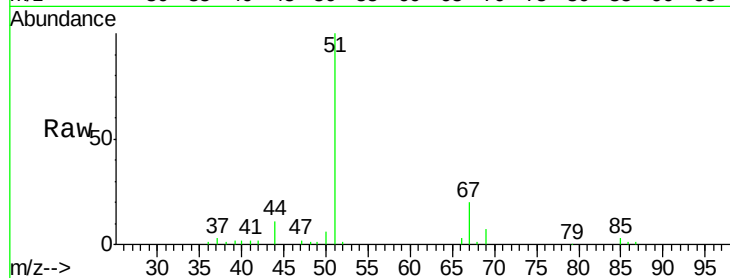
67 20.2 16.9 25.3

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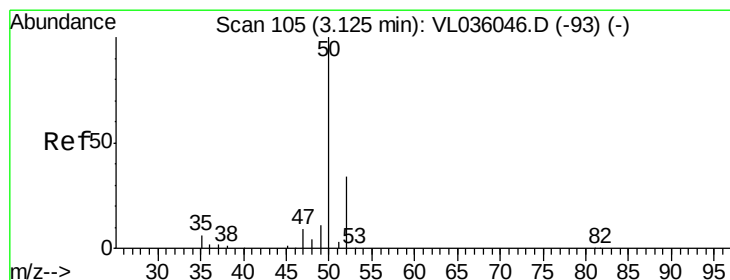
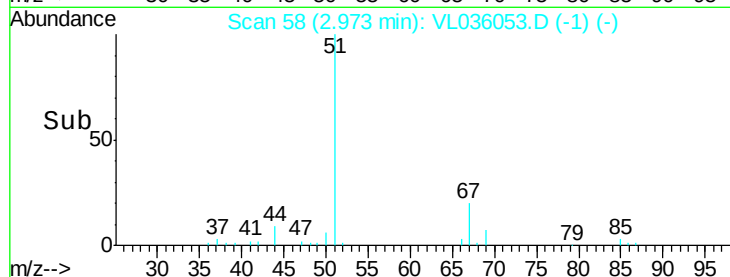
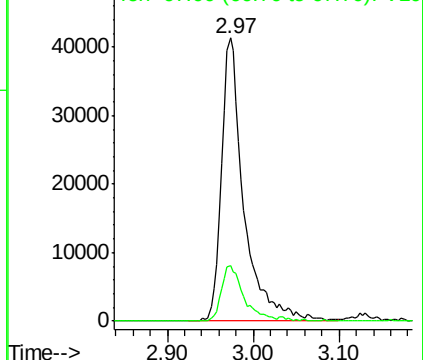
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.538 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL036053.D

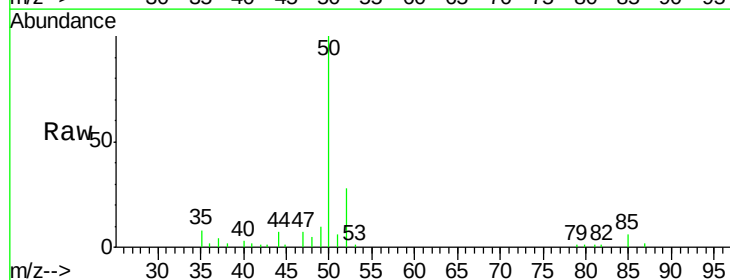
Acq: 3 Dec 2020 14:13

Tgt Ion: 50 Resp: 37246

Ion Ratio Lower Upper

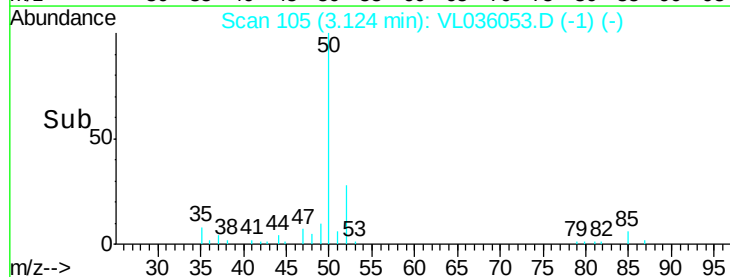
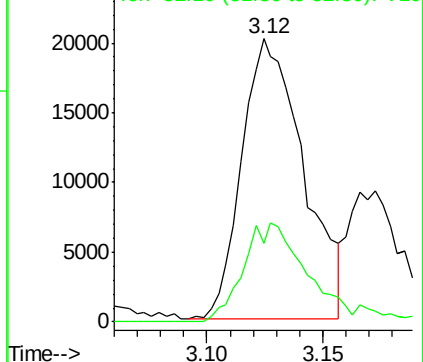
50 100

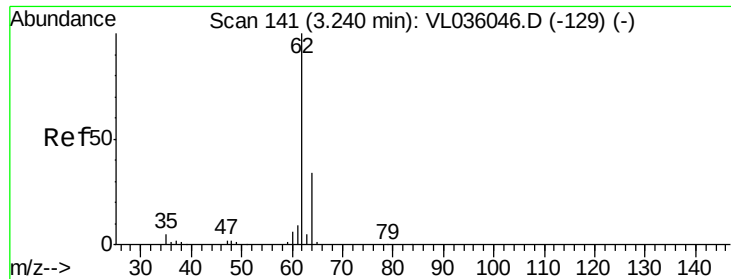
52 28.2 27.6 41.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.465 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 62 Resp: 40847

Ion Ratio Lower Upper

62 100

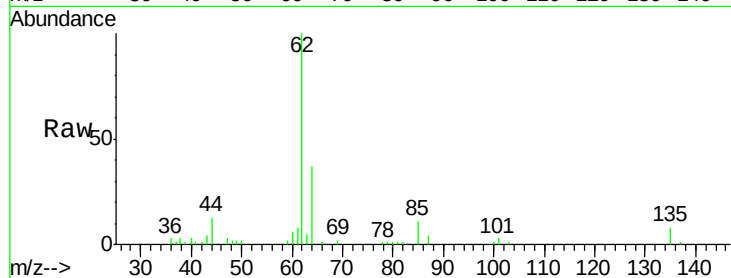
64 36.5 26.8 40.2

Manual Integrations

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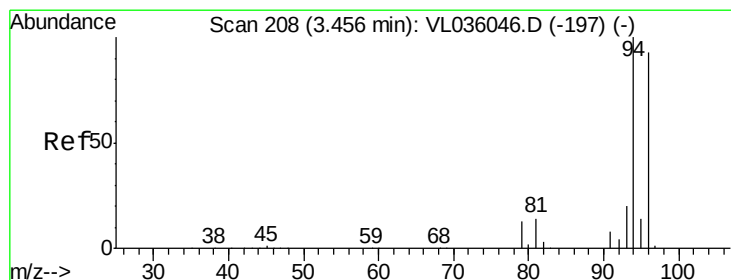
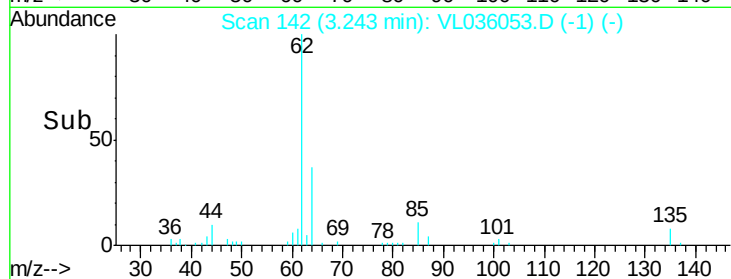
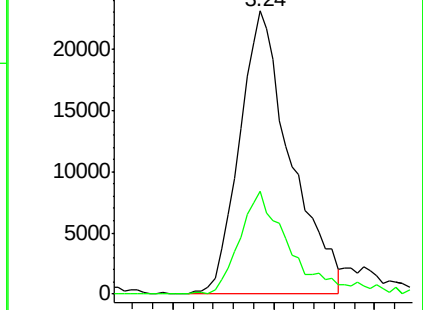
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.491 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036053.D

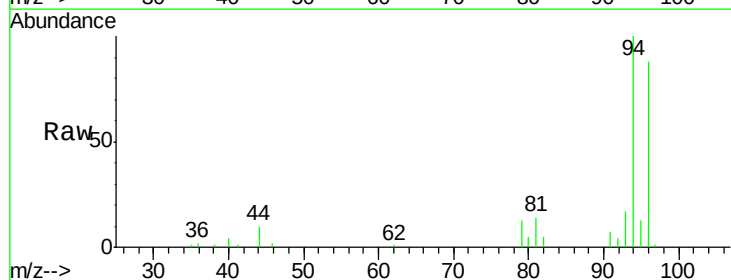
Acq: 3 Dec 2020 14:13

Tgt Ion: 94 Resp: 33938

Ion Ratio Lower Upper

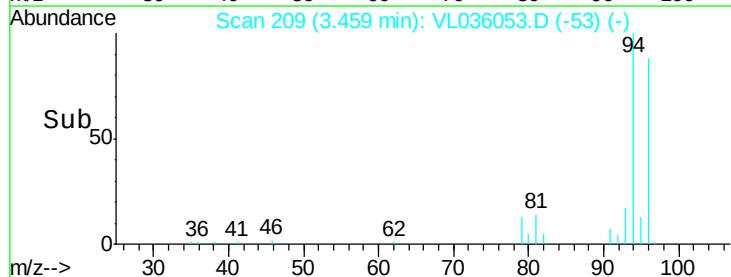
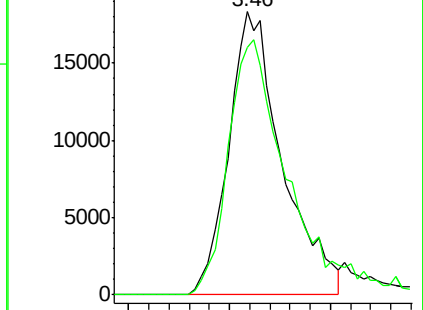
94 100

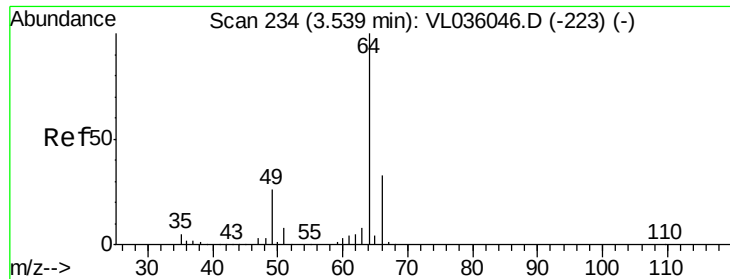
96 87.6 74.8 112.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.513 ppbv

RT: 3.55 min Scan# 236

Delta R.T. 0.01 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 64 Resp: 16213

Ion Ratio Lower Upper

64 100

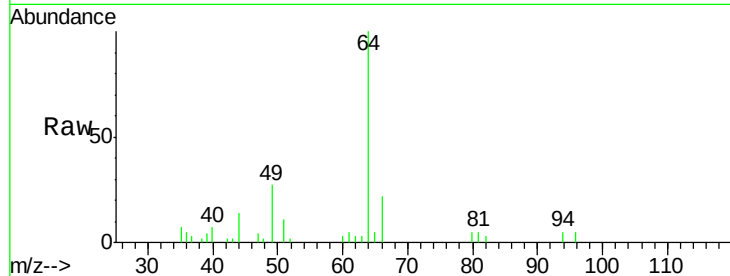
66 22.3 26.1 39.1#

Manual Integrations

APPROVED

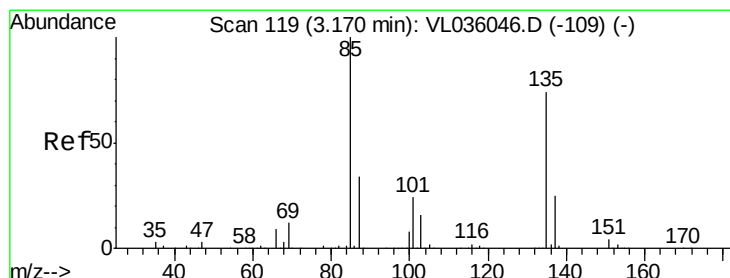
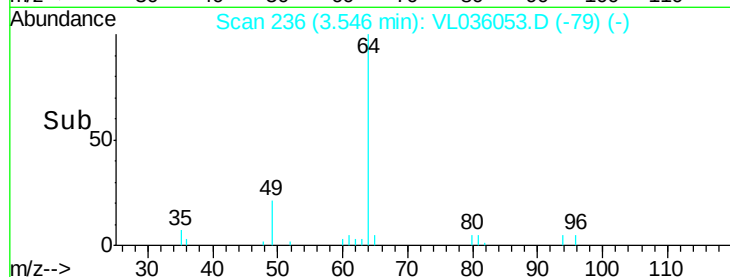
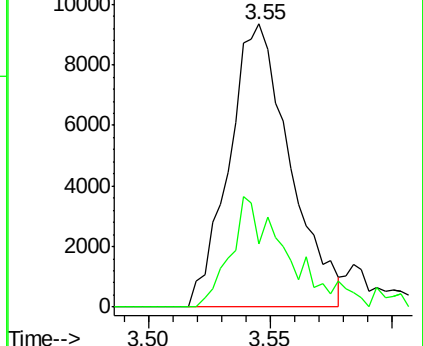
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.527 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036053.D

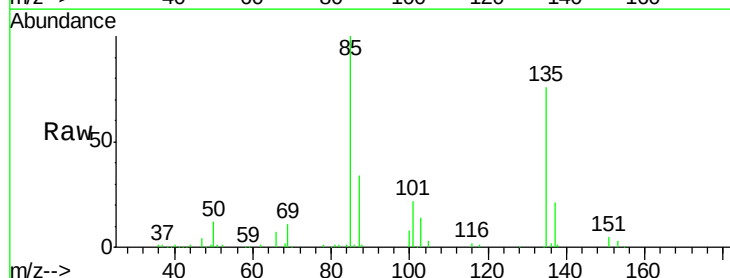
Acq: 3 Dec 2020 14:13

Tgt Ion: 85 Resp: 129813

Ion Ratio Lower Upper

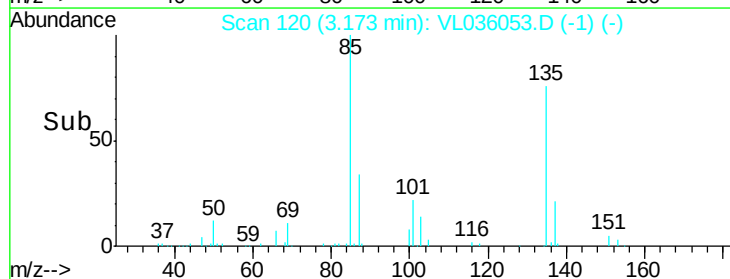
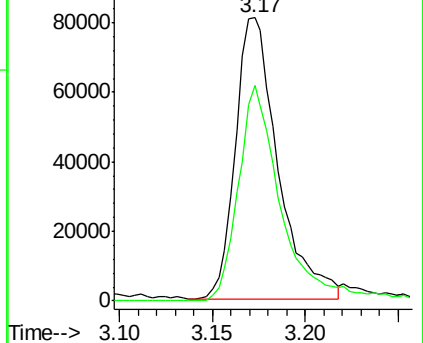
85 100

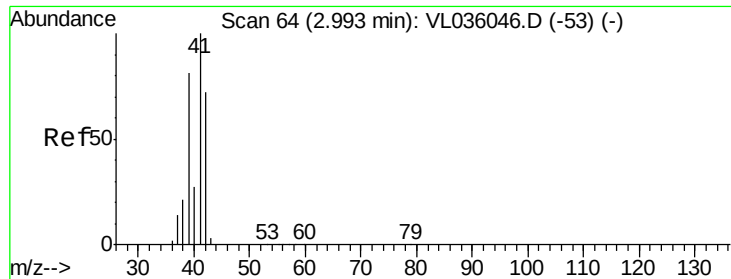
135 77.9 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.485 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 41 Resp: 23971

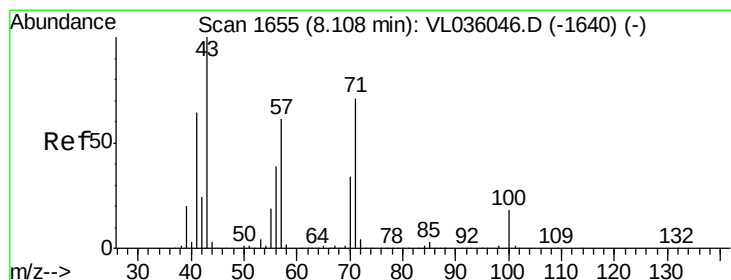
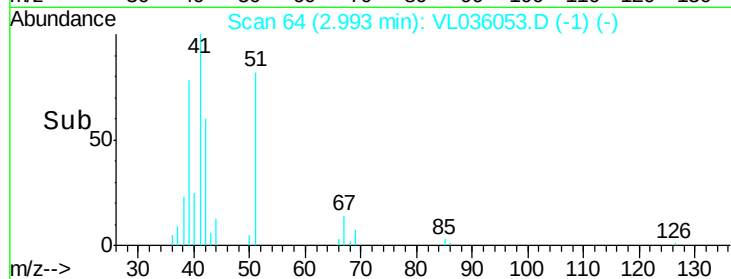
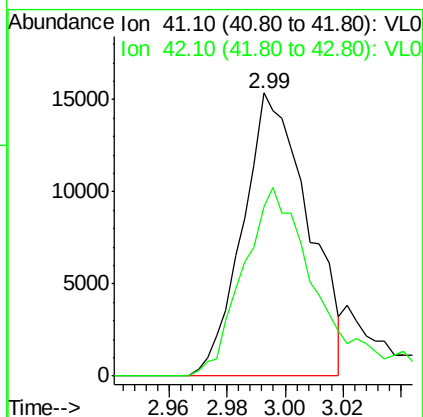
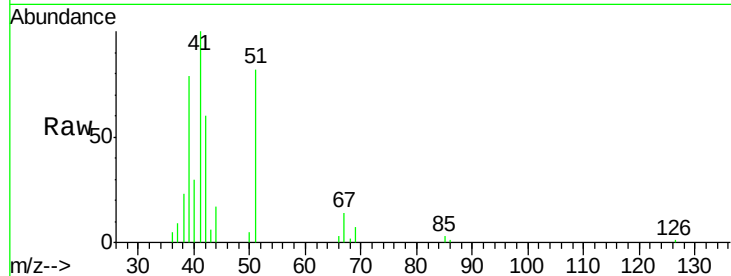
Ion Ratio Lower Upper

41 100

42 80.5 56.9 85.3

Manual Integrations
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#10

Heptane

Concen: 0.418 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VL036053.D

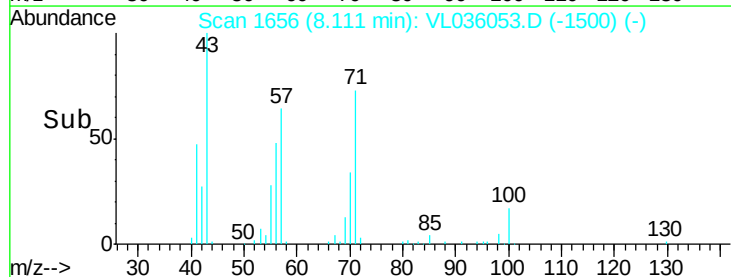
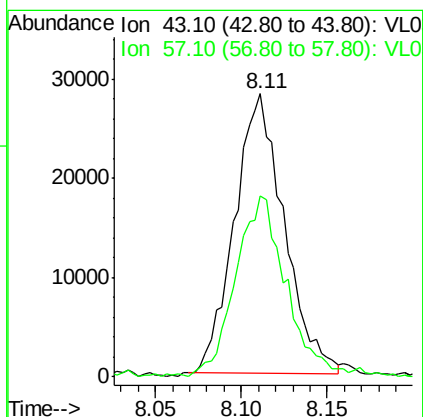
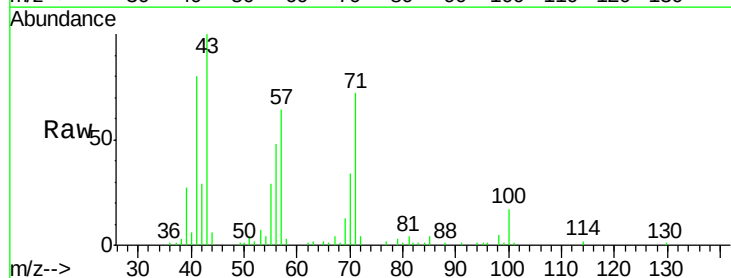
Acq: 3 Dec 2020 14:13

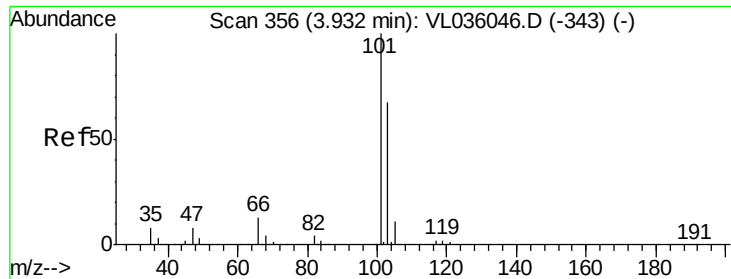
Tgt Ion: 43 Resp: 56386

Ion Ratio Lower Upper

43 100

57 67.0 49.2 73.8





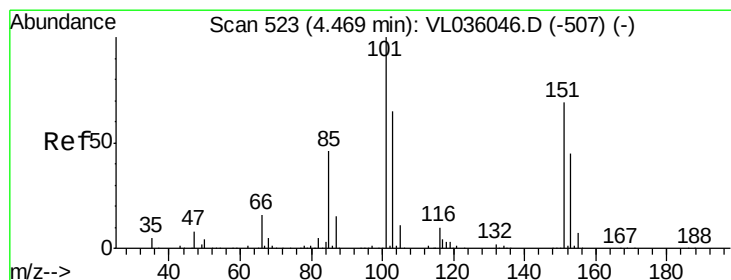
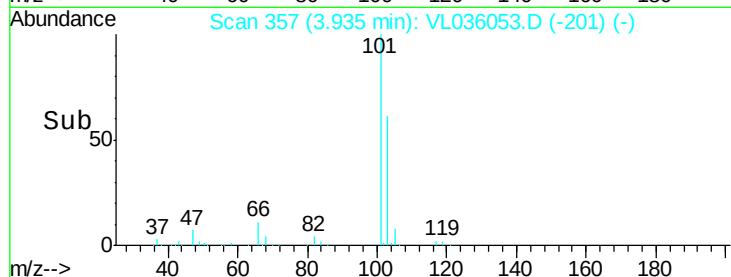
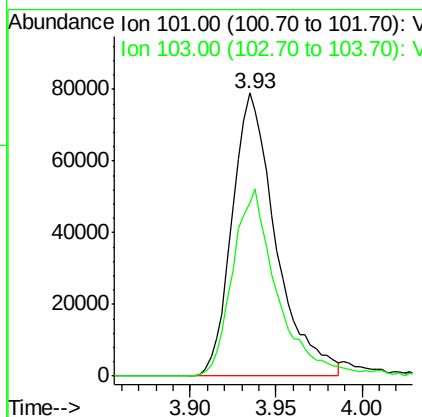
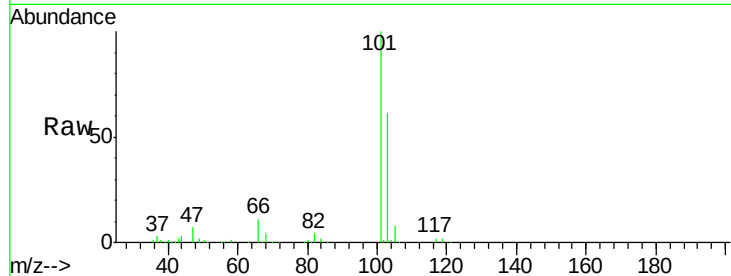
#11
 Trichlorofluoromethane
 Concen: 0.495 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	53.2	79.8

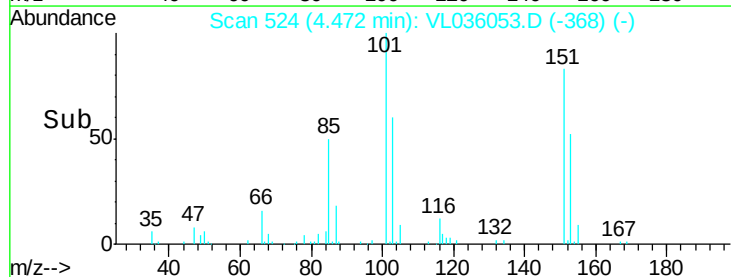
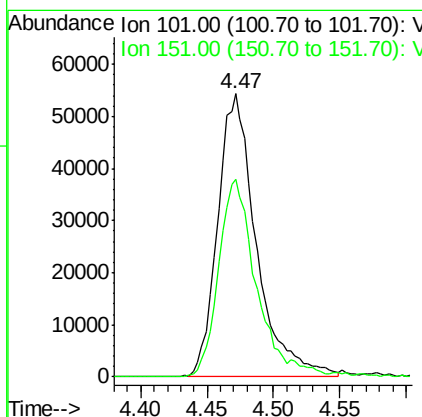
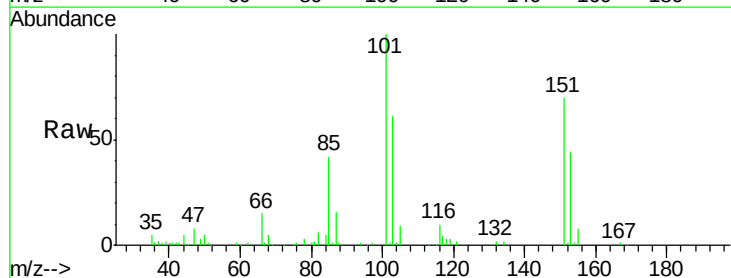
Manual Integrations
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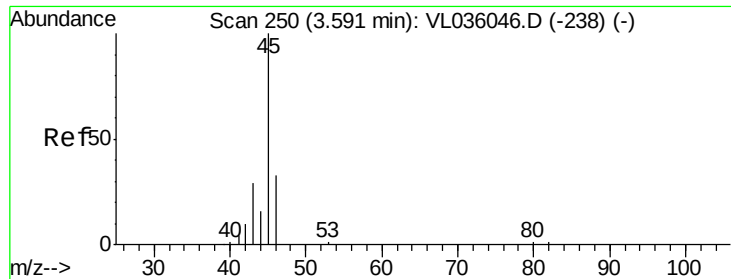
MMDadoda
 12/7/2020 12:08:31 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.517 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
101	100		
151	69.3	56.1	84.1





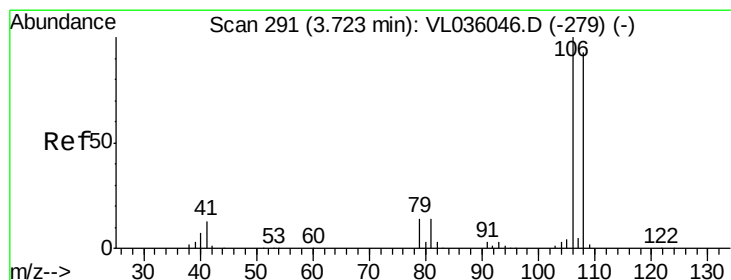
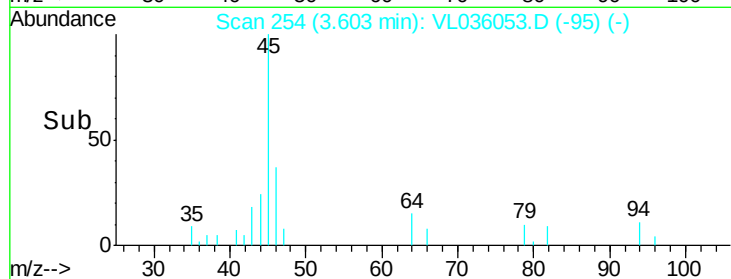
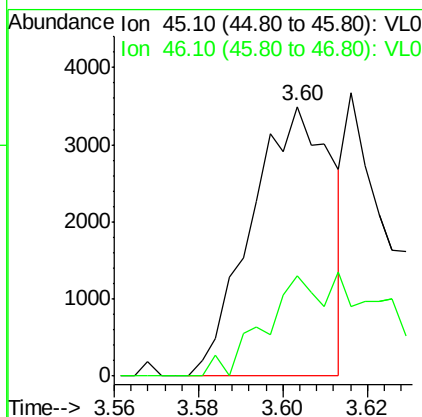
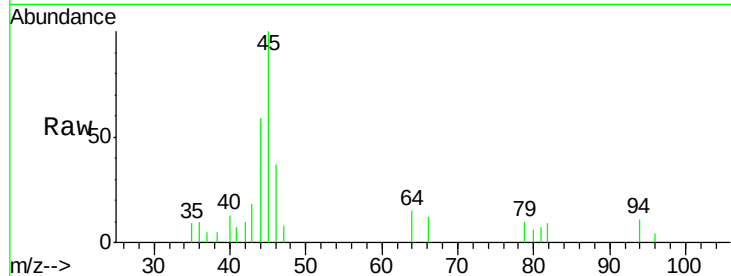
#13
Ethanol
Concen: 0.463 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 45 Resp: 4629
Ion Ratio Lower Upper
45 100
46 0.0 16.0 64.2#

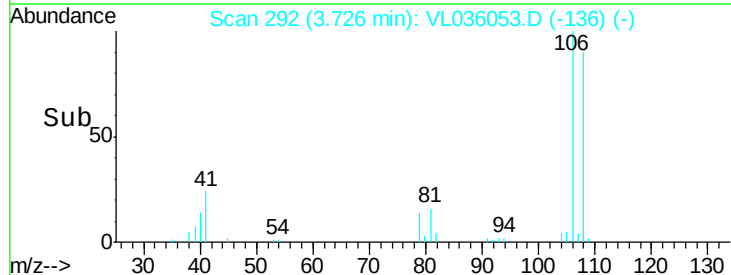
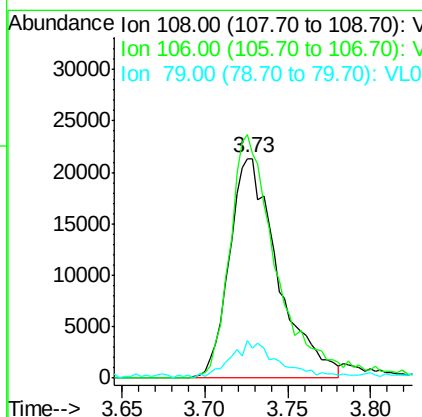
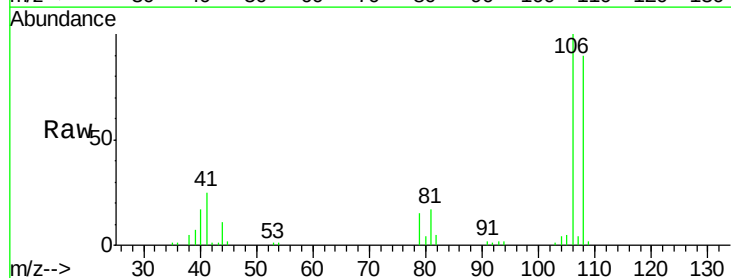
Manual Integrations
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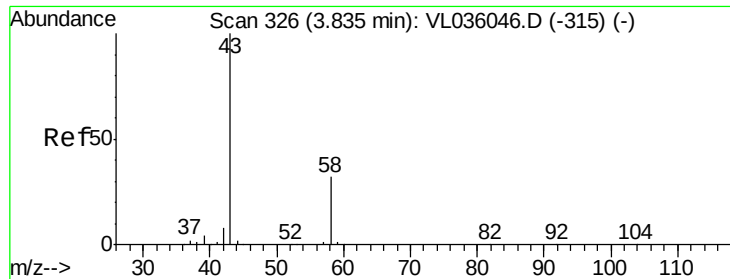
MMDadoda
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#14
Bromoethene
Concen: 0.505 ppbv
RT: 3.73 min Scan# 292
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 108 Resp: 43539
Ion Ratio Lower Upper
108 100
106 110.9 85.0 127.4
79 19.6 11.9 17.9#





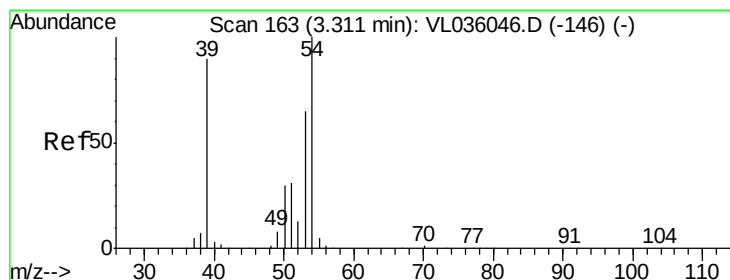
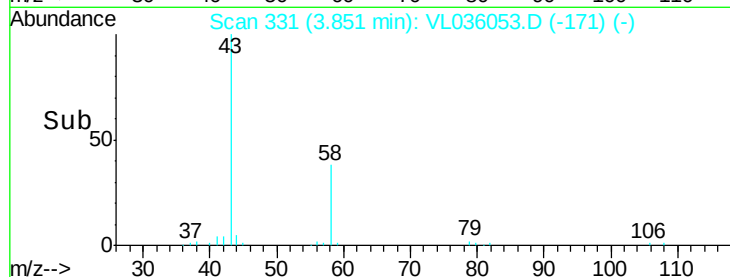
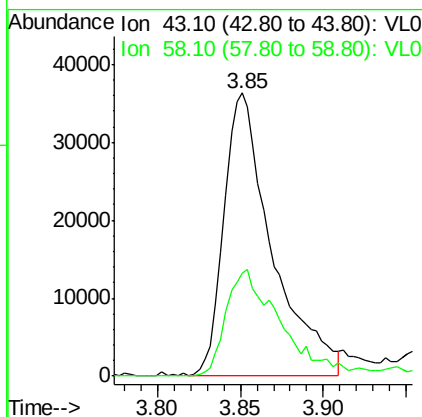
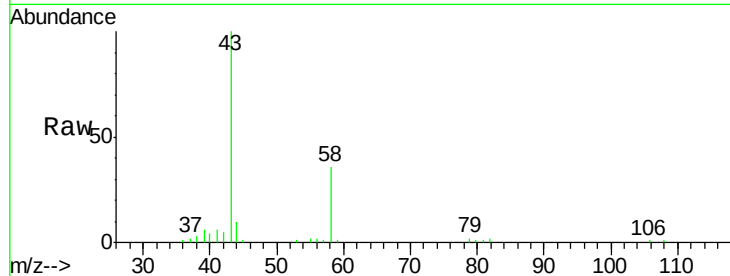
#15
Acetone
Concen: 0.591 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 43 Resp: 73593
Ion Ratio Lower Upper
43 100
58 43.1 27.0 40.6#

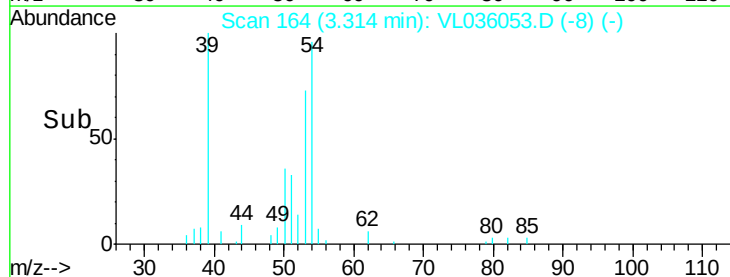
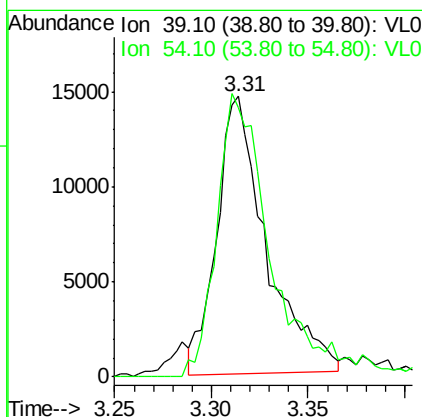
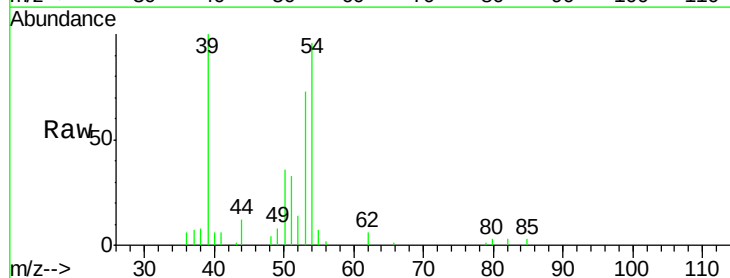
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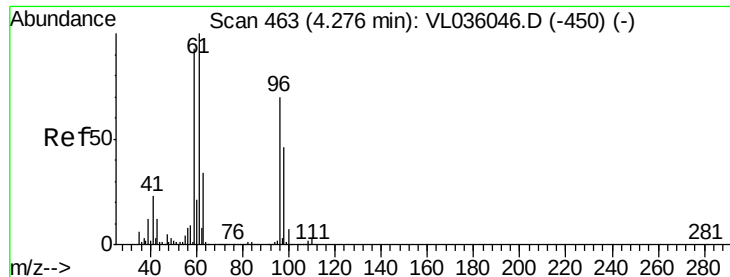
MMDadoda
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#16
1,3-Butadiene
Concen: 0.478 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 39 Resp: 26159
Ion Ratio Lower Upper
39 100
54 114.5 86.1 129.1





#17

tert-Butyl alcohol

Concen: 0.561 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 59 Resp: 76577

Ion Ratio Lower Upper

59 100

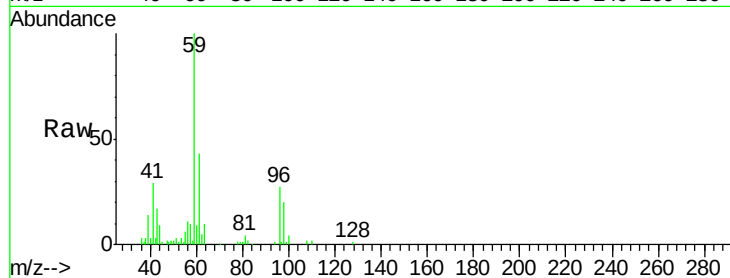
57 12.0 8.4 12.6

Manual Integrations

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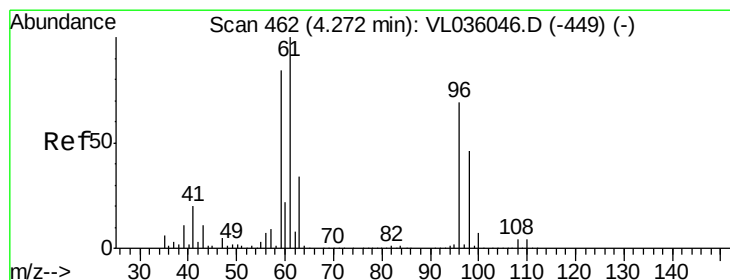
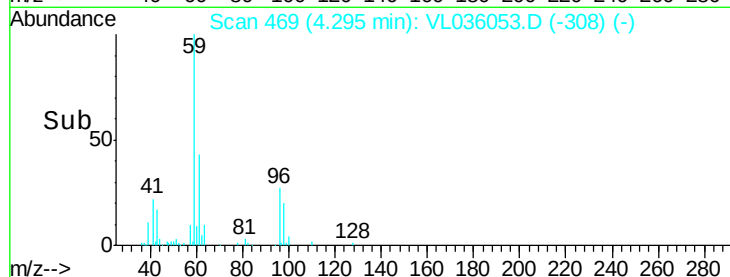
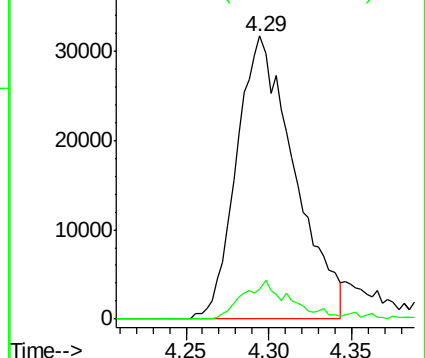
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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 0.502 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

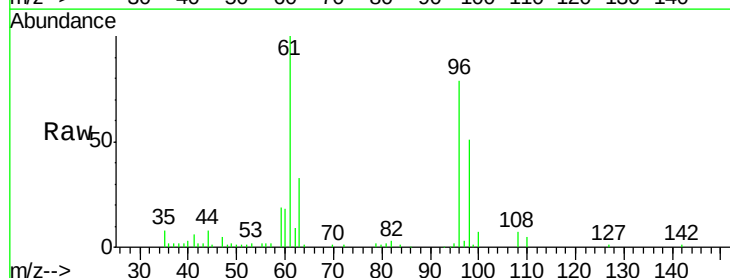
Tgt Ion: 96 Resp: 47442

Ion Ratio Lower Upper

96 100

61 127.2 115.8 173.6

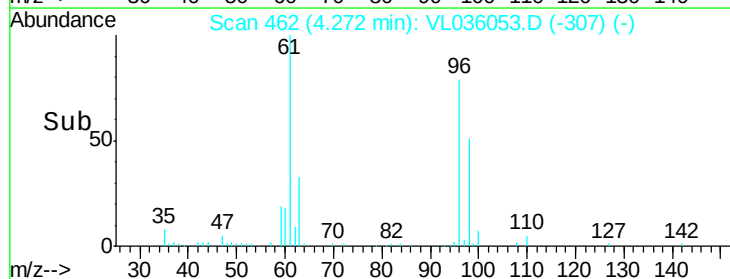
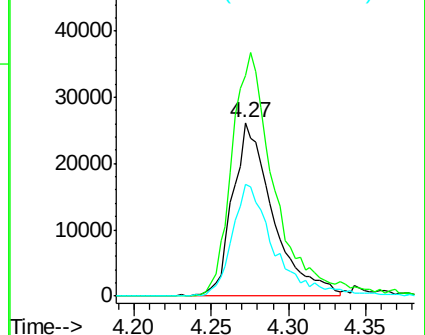
98 64.6 53.1 79.7

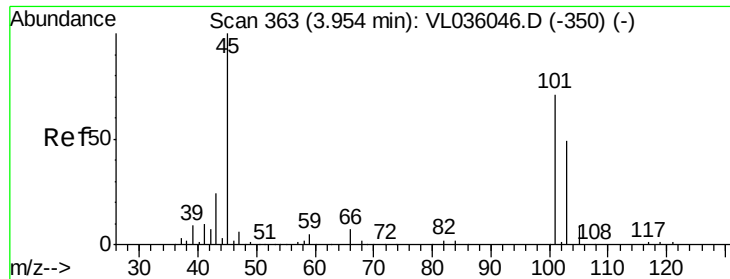


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 0.540 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.02 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 45 Resp: 36083

Ion Ratio Lower Upper

45 100

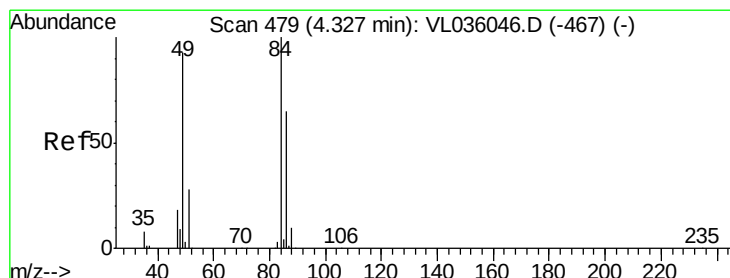
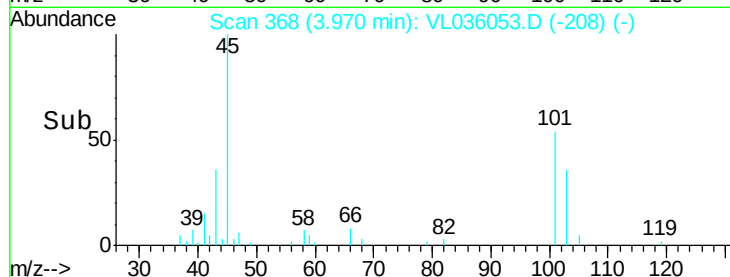
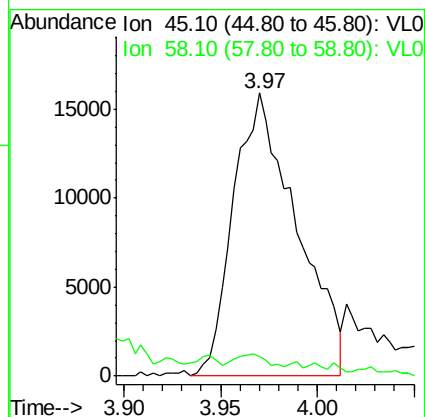
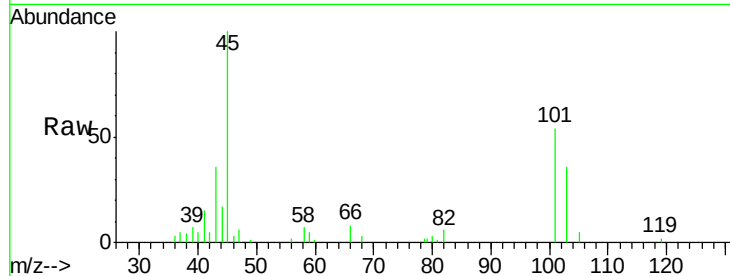
58 12.8 3.4 5.0#

Manual Integrations

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#20

Methylene Chloride

Concen: 0.657 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion: 84 Resp: 70847

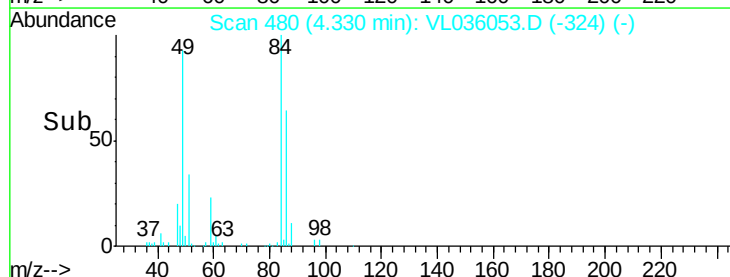
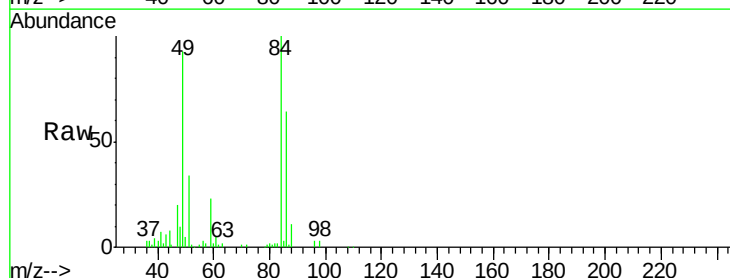
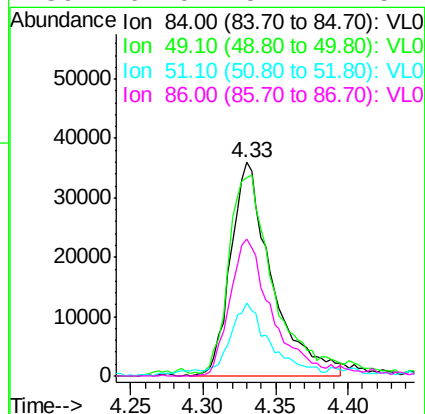
Ion Ratio Lower Upper

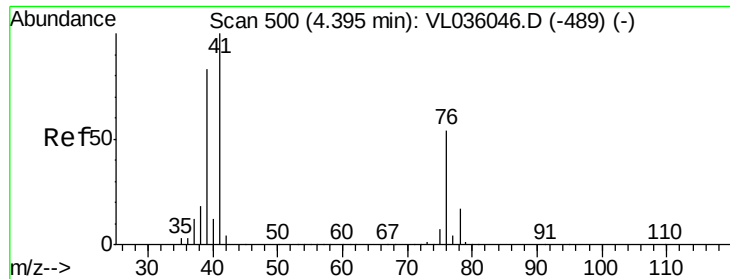
84 100

49 91.6 74.4 111.6

51 31.8 22.5 33.7

86 64.0 52.2 78.2





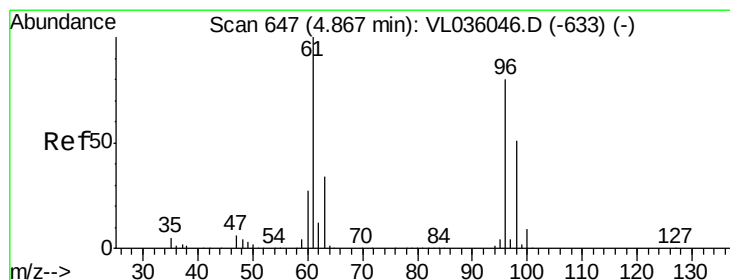
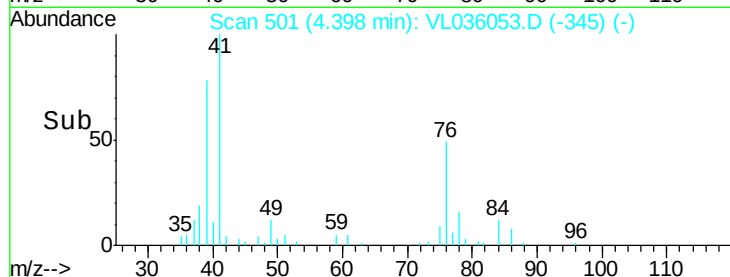
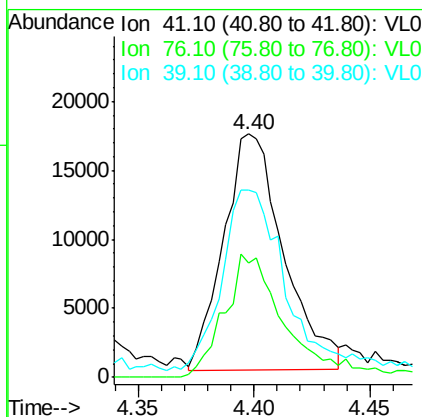
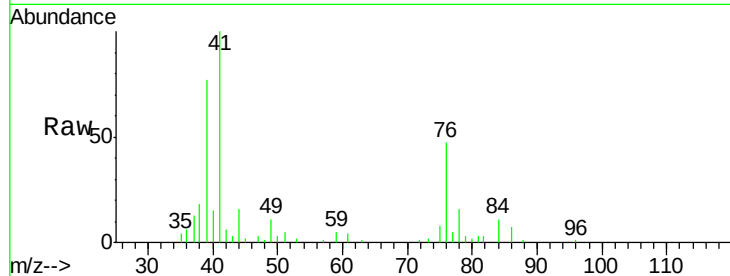
#21
 Allvl Chloride
 Concen: 0.466 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
41	100		
76	53.9	42.4	63.6
39	96.1	69.0	103.6

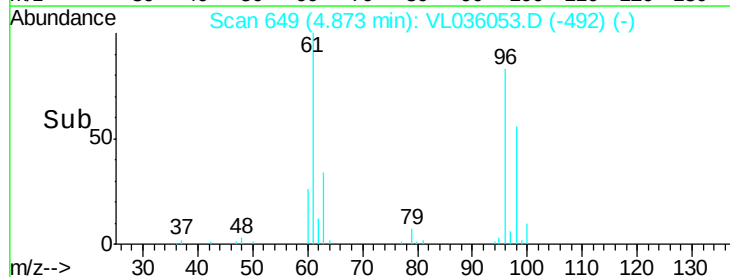
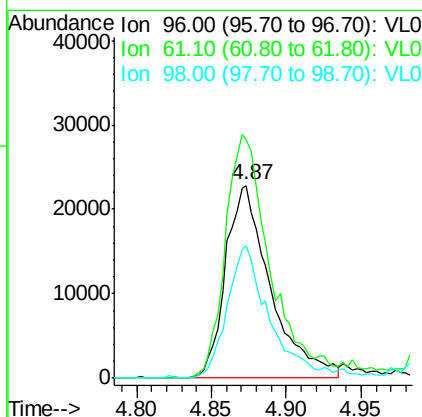
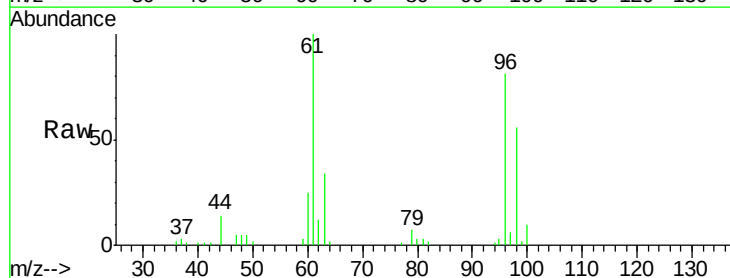
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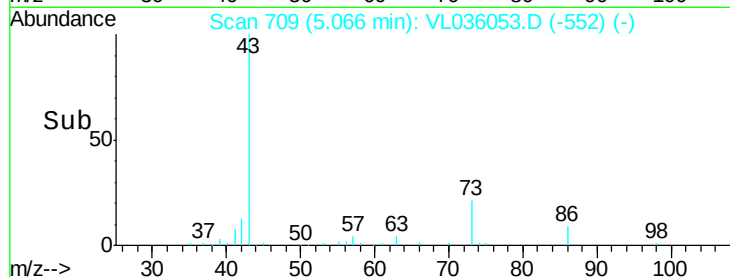
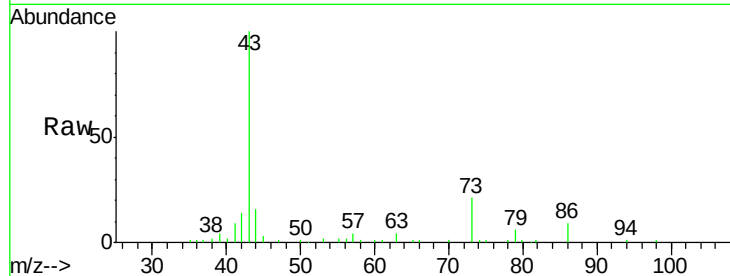
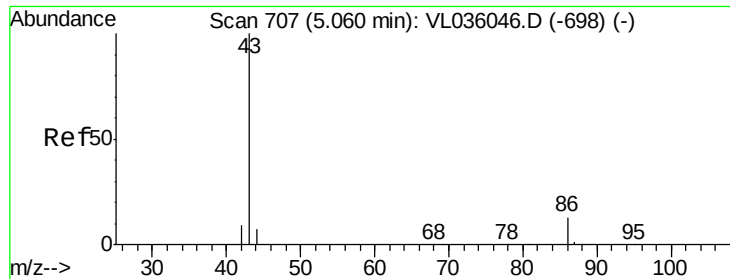
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#22
 trans-1,2-Dichloroethene
 Concen: 0.510 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	123.6	99.8	149.6
98	68.6	51.1	76.7





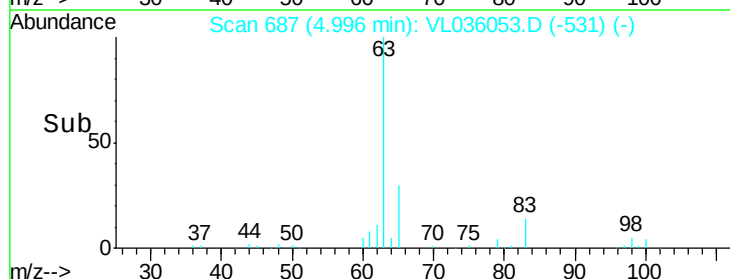
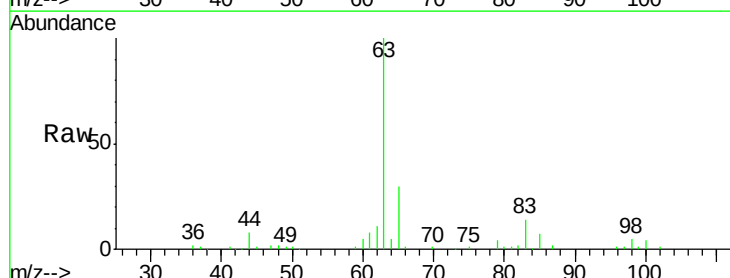
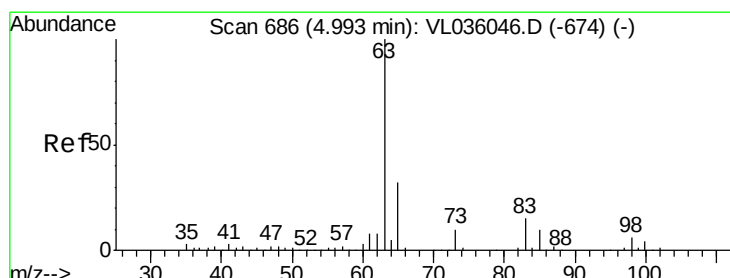
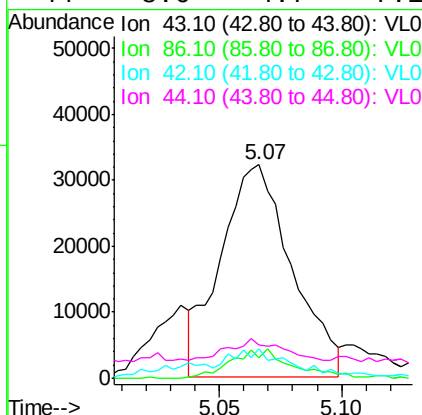
#23
 Vinyl Acetate
 Concen: 0.443 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tot Ion	43	Resp	65216
Ion Ratio	Lower	Upper	
43	100		
86	10.2	9.3	13.9
42	13.0	8.1	12.1#
44	8.6	4.7	7.1#

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

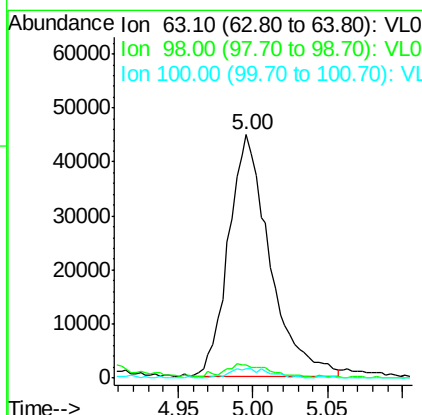
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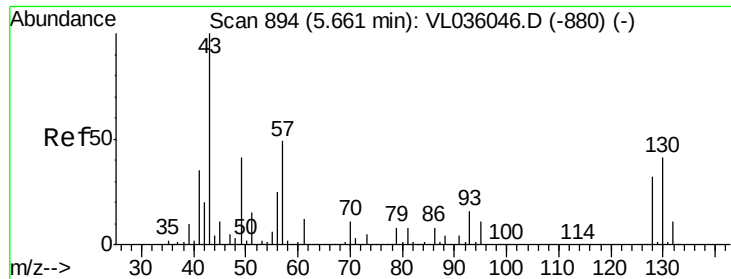
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 0.513 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion	63	Resp	86155
Ion Ratio	Lower	Upper	
63	100		
98	4.9	3.1	9.3
100	4.1	1.9	5.7





#25

Ethyl Acetate

Concen: 0.533 ppbv m

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 43 Resp: 133461

Ion Ratio Lower Upper

43 100

45 10.8 8.6 13.0

61 13.5 10.6 16.0

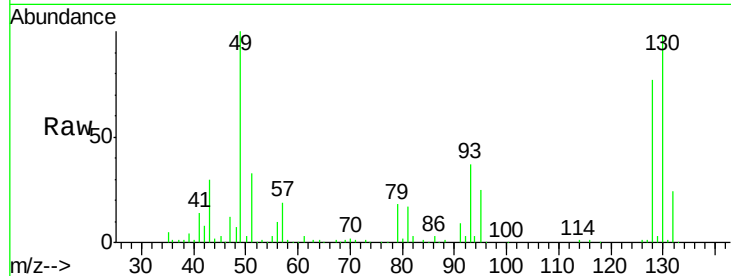
70 0.0 8.1 12.1#

Manual Integrations

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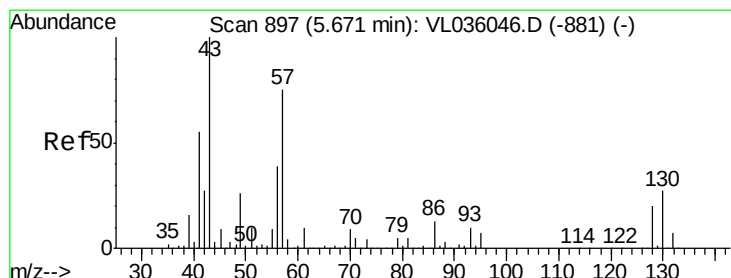
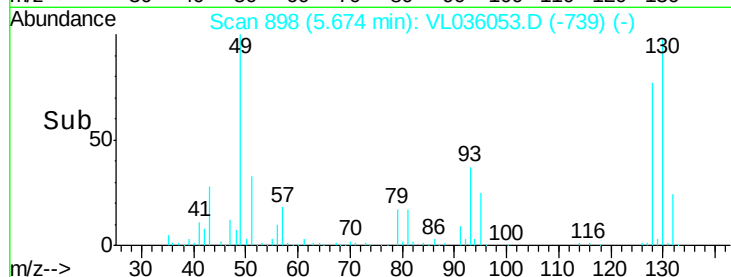
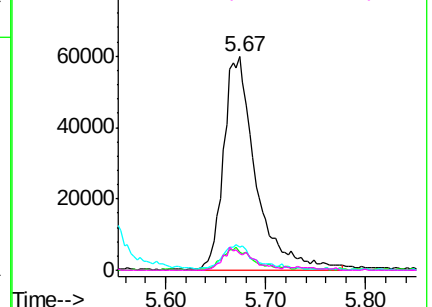
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.534 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion: 57 Resp: 71052

Ion Ratio Lower Upper

57 100

41 80.0 61.6 92.4

43 189.6 152.9 229.3

56 56.5 43.0 64.6

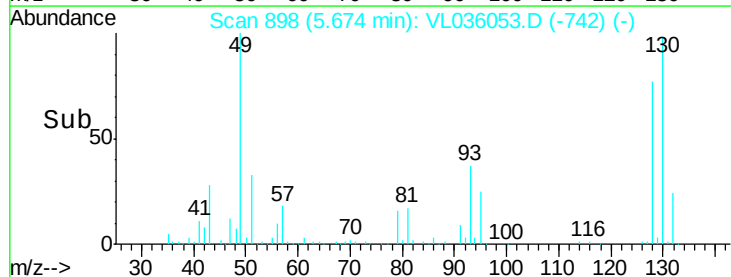
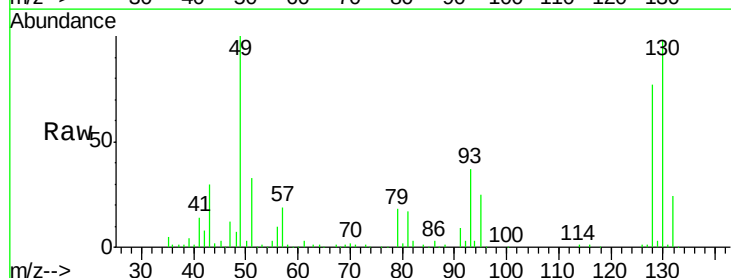
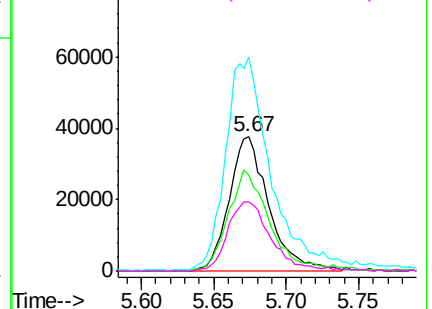
Abundance

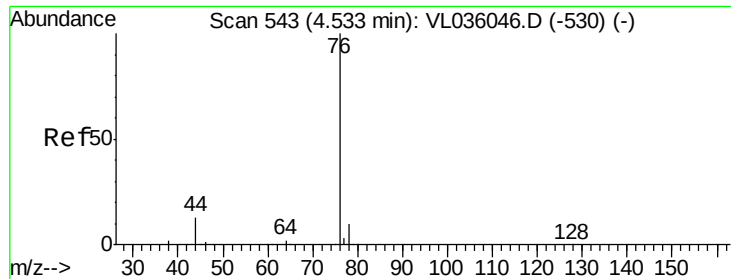
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 0.440 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

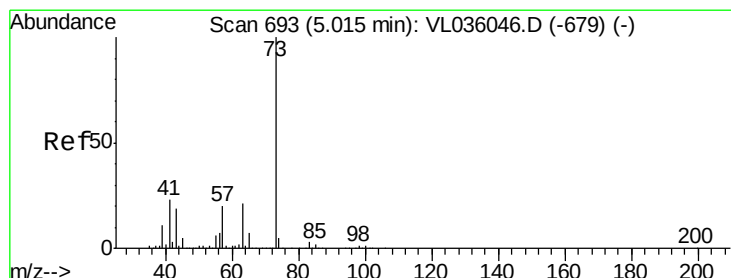
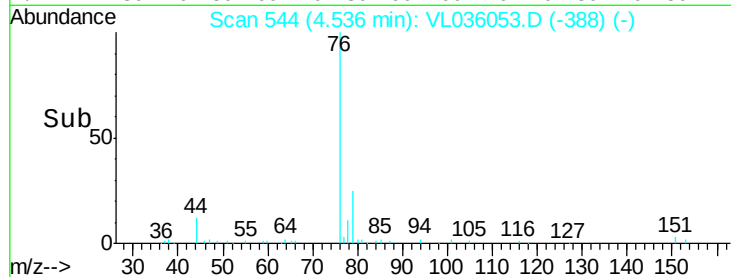
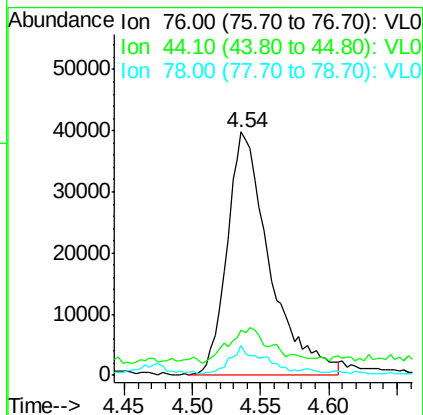
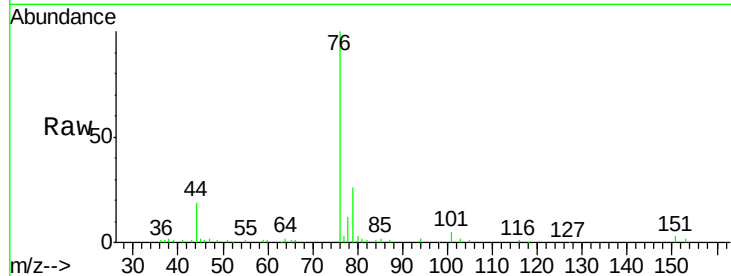
ClientSampleId :

VSTDIC0.5

Tot Ion:	76	Resp:	85180
Ion Ratio	Lower	Upper	
76	100		
44	13.6	9.6	14.4
78	11.0	7.7	11.5

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#28

Methyl tert-Butyl Ether

Concen: 0.490 ppbv

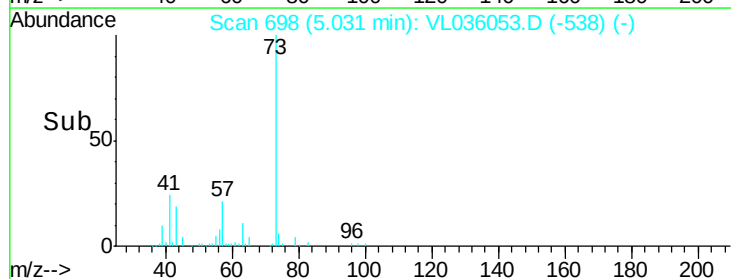
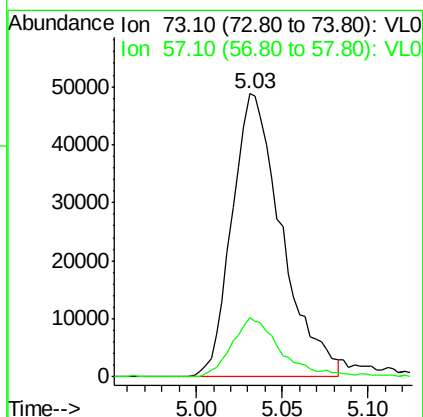
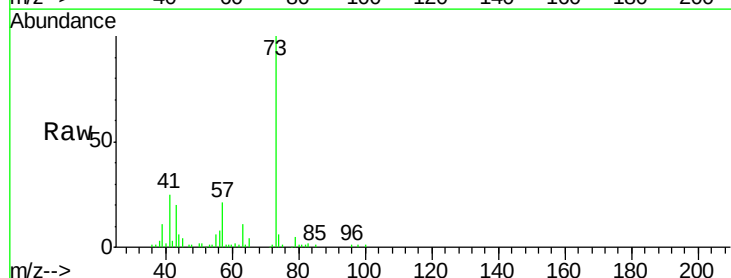
RT: 5.03 min Scan# 698

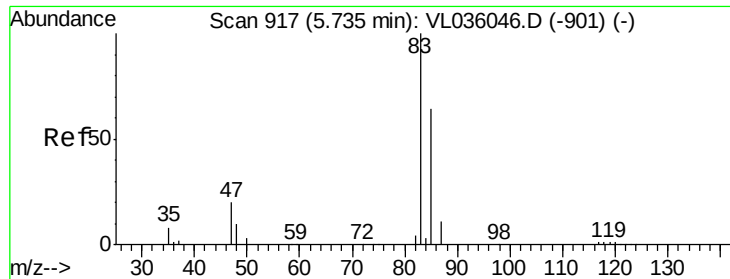
Delta R.T. 0.02 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion:	73	Resp:	97183
Ion Ratio	Lower	Upper	
73	100		
57	21.1	15.8	23.8





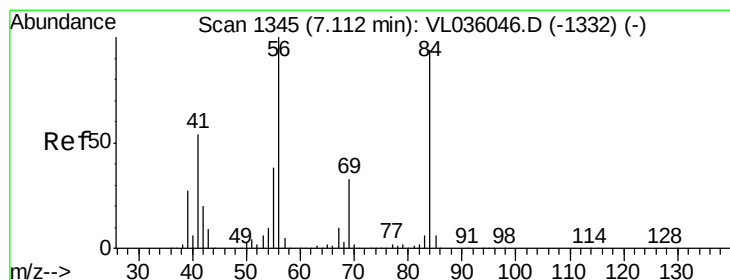
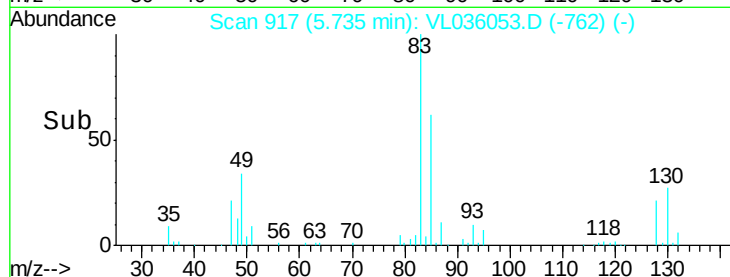
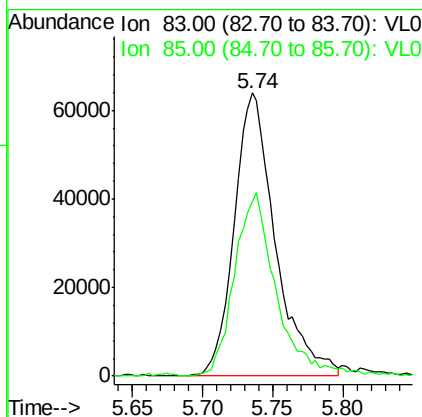
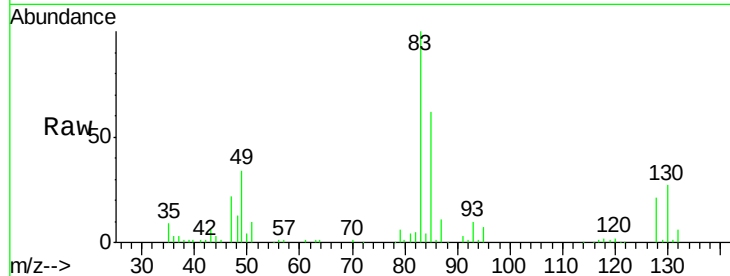
#29
Chloroform
Concen: 0.520 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 83 Resp: 130802
Ion Ratio Lower Upper
83 100
85 61.3 51.6 77.4

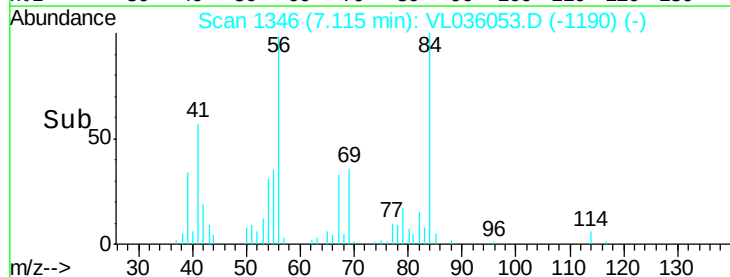
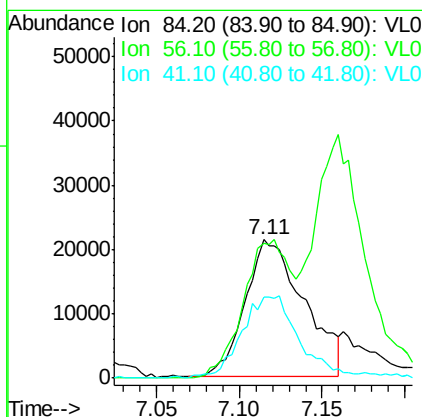
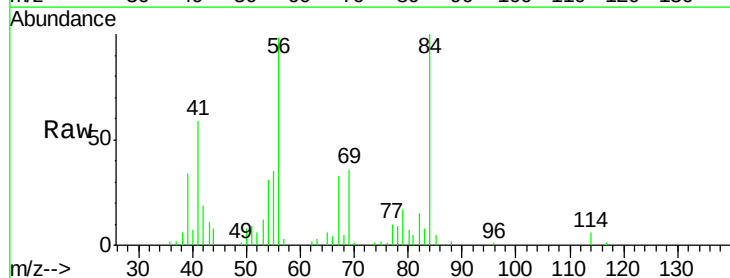
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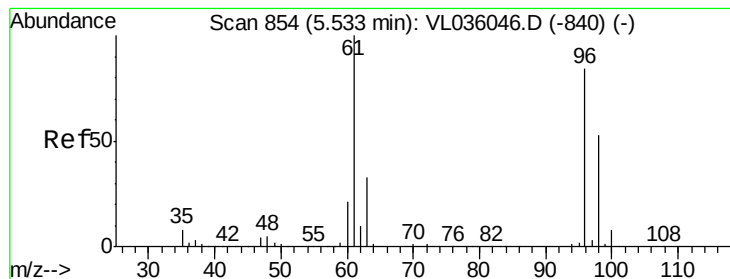
MMDadoda
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#30
Cyclohexane
Concen: 0.422 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 84 Resp: 53002
Ion Ratio Lower Upper
84 100
56 74.9 89.9 134.9#
41 59.8 46.1 69.1





#31

cis-1,2-Dichloroethene

Concen: 0.485 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

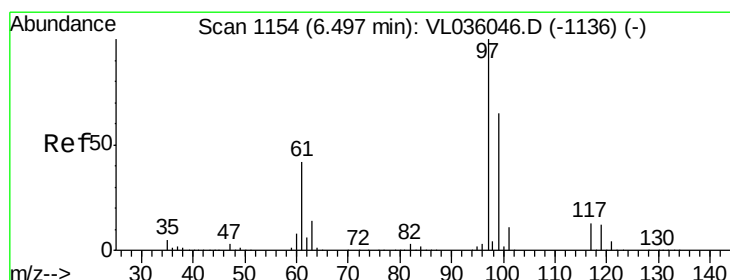
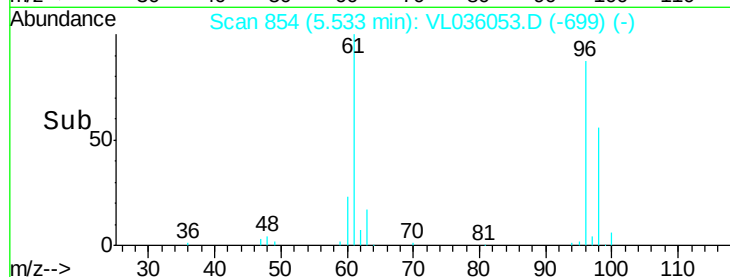
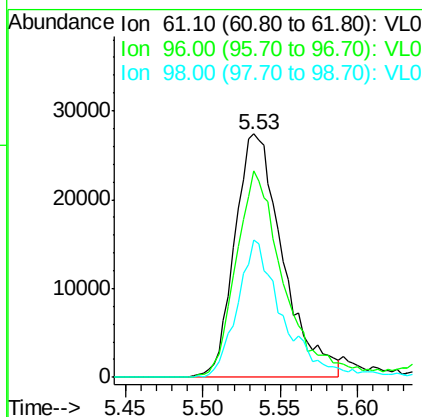
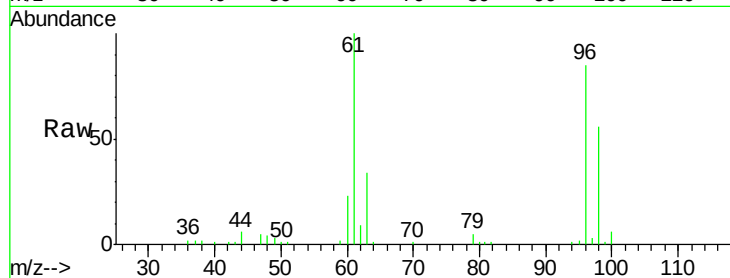
ClientSampleId :

VSTDIC0.5

Tot Ion:	61	Resp:	59033
Ion	Ratio	Lower	Upper
61	100		
96	85.0	66.8	100.2
98	56.3	42.6	63.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 0.482 ppbv m

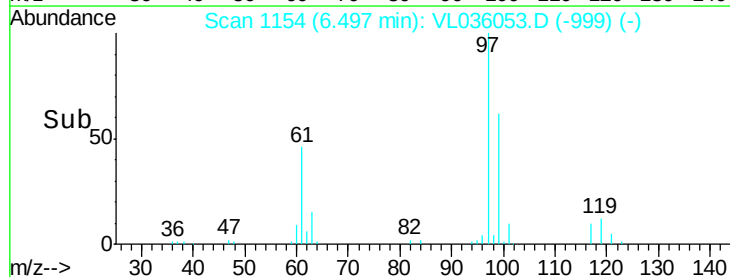
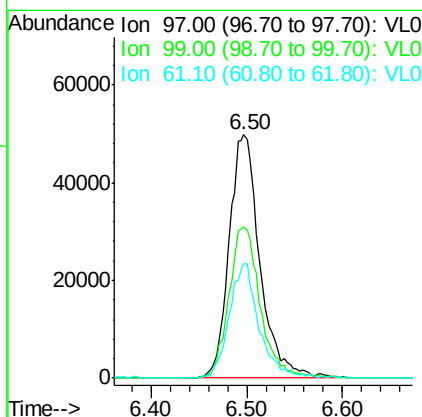
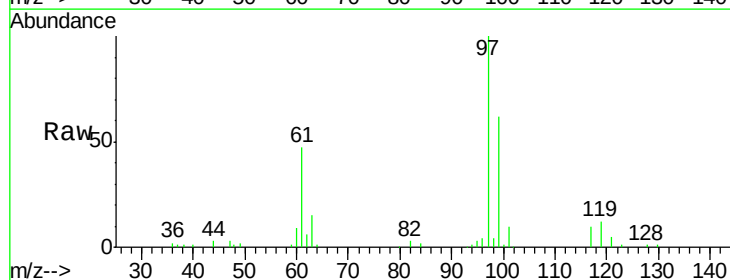
RT: 6.50 min Scan# 1154

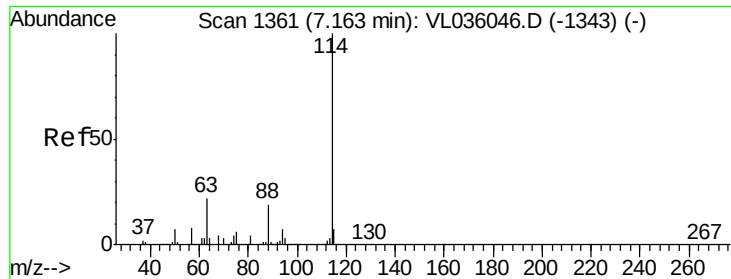
Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion:	97	Resp:	111180
Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.4	78.6
61	45.8	34.7	52.1





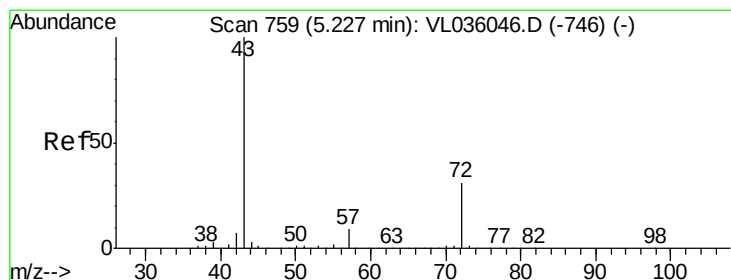
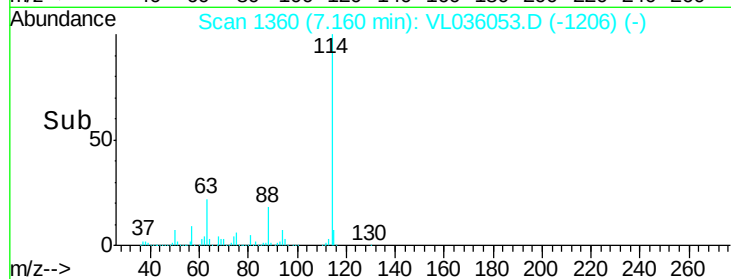
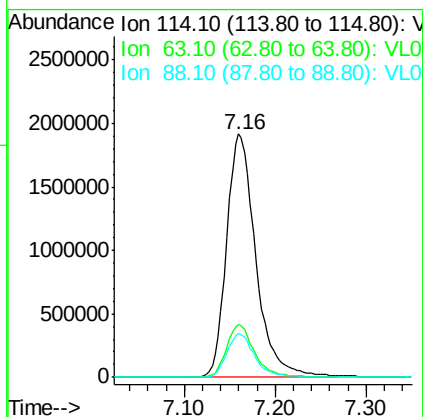
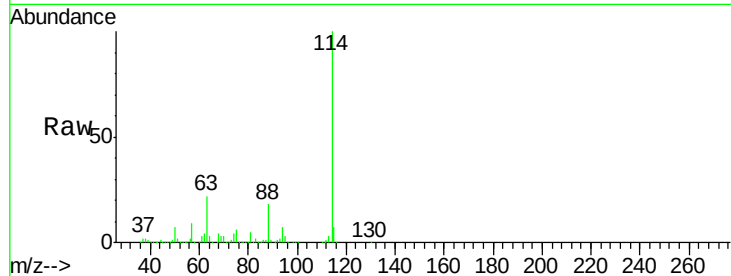
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:114 Resp: 4283004
 Ion Ratio Lower Upper
 114 100
 63 21.1 17.2 25.8
 88 17.5 14.0 21.0

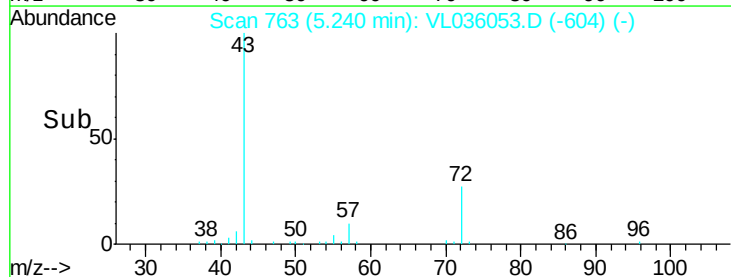
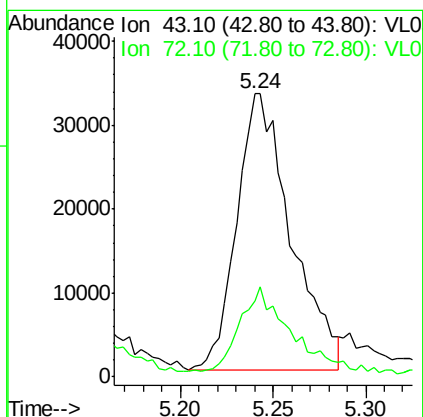
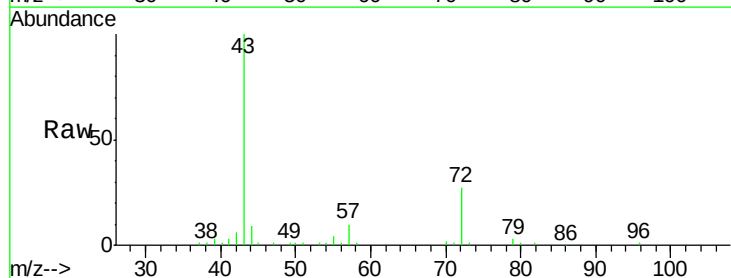
Manual Integrations
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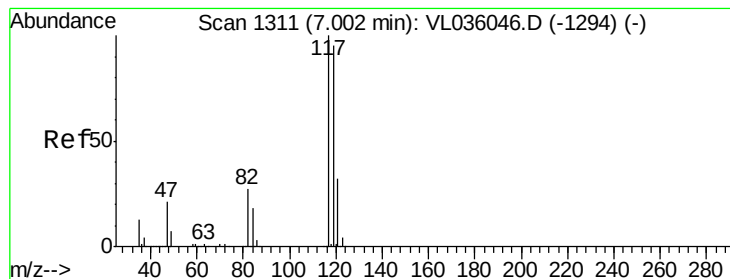
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#34
 2-Butanone
 Concen: 0.459 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion: 43 Resp: 67353
 Ion Ratio Lower Upper
 43 100
 72 36.6 24.5 36.7





#35

Carbon Tetrachloride

Concen: 0.459 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

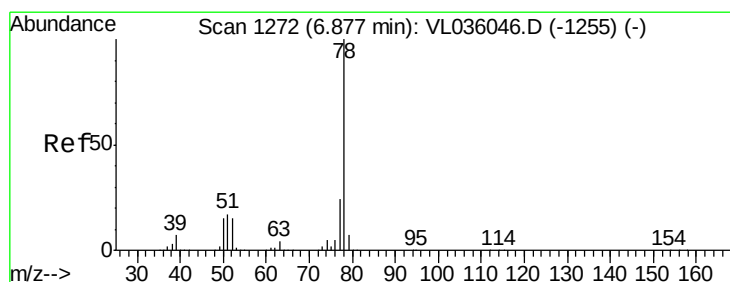
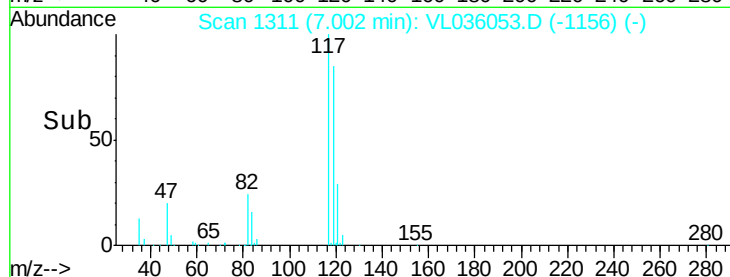
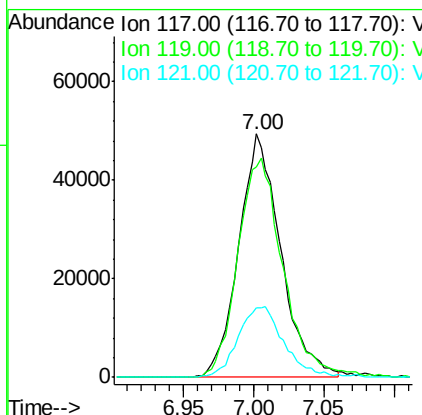
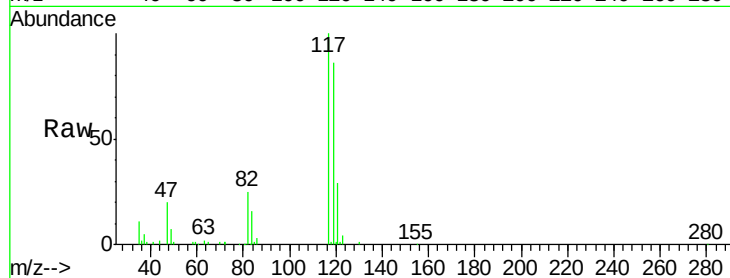
ClientSampleId :

VSTDIC0.5

Tot Ion:	117	Resp:	102727
Ion Ratio	Lower	Upper	
117	100		
119	86.5	75.9	113.9
121	28.6	25.8	38.8

Manual Integrations
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#36

Benzene

Concen: 0.477 ppbv

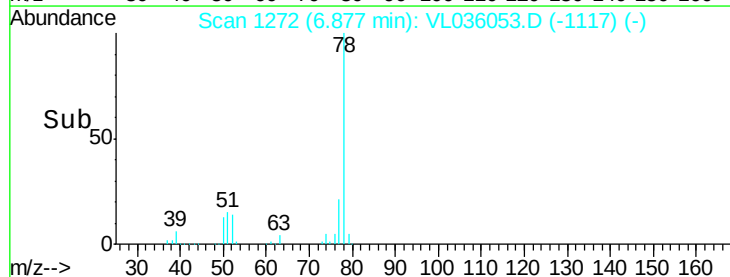
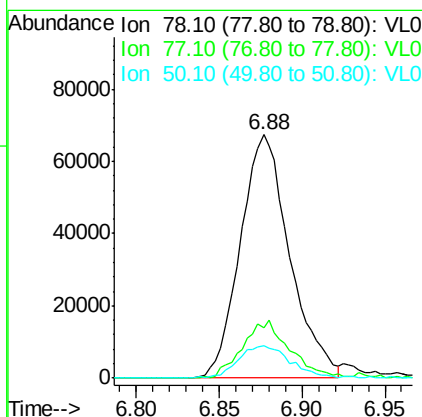
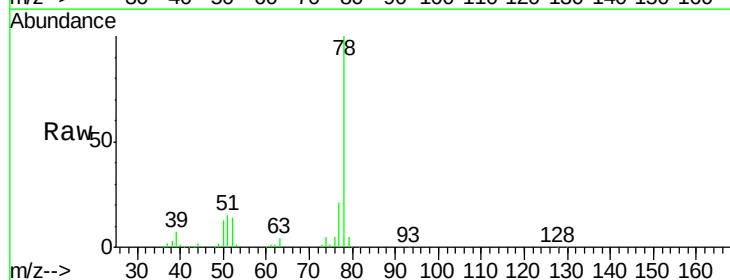
RT: 6.88 min Scan# 1272

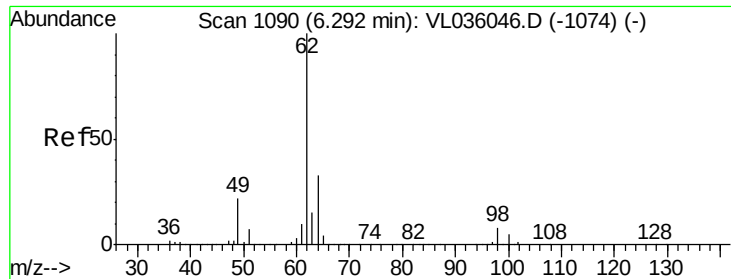
Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion:	78	Resp:	139677
Ion Ratio	Lower	Upper	
78	100		
77	20.9	19.1	28.7
50	13.1	12.0	18.0





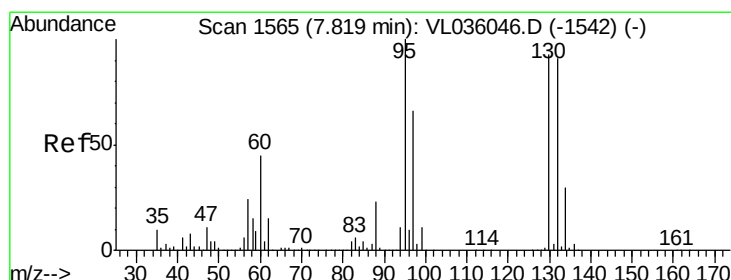
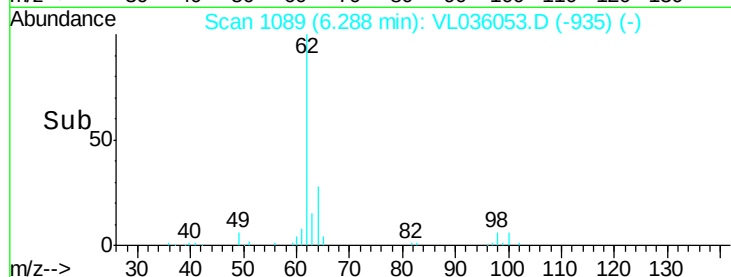
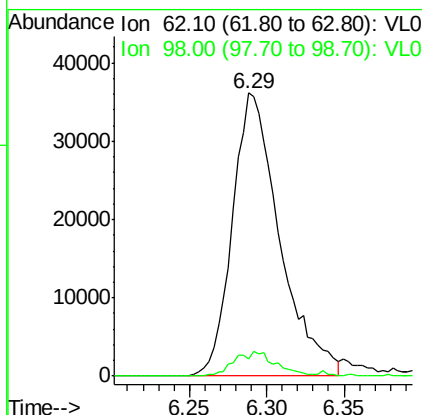
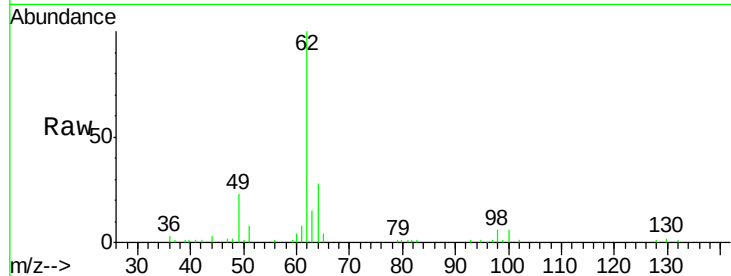
#37
 1,2-Dichloroethane
 Concen: 0.505 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
62	100		
98	8.1	6.4	9.6

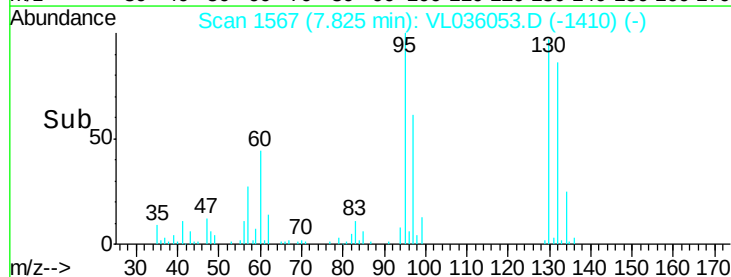
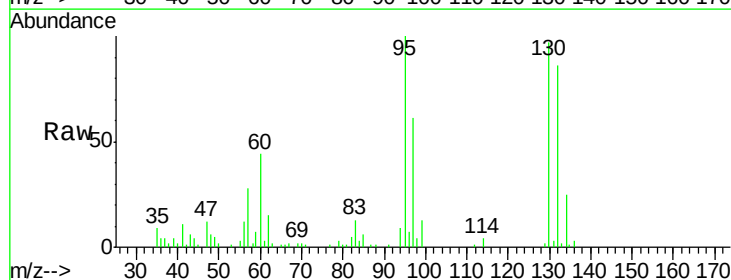
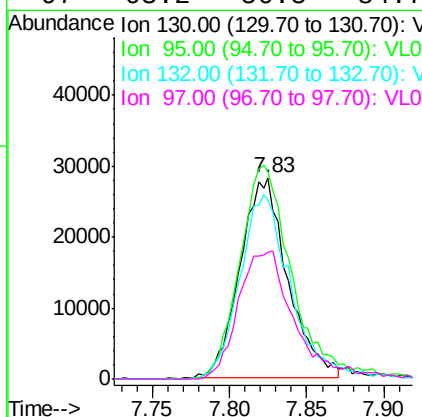
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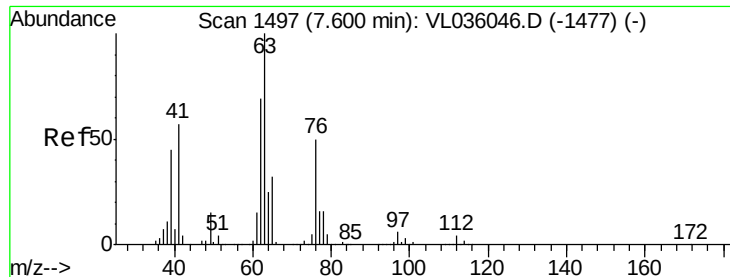
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#38
 Trichloroethene
 Concen: 0.462 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	86.1	129.1
132	89.6	78.6	118.0
97	63.2	56.5	84.7





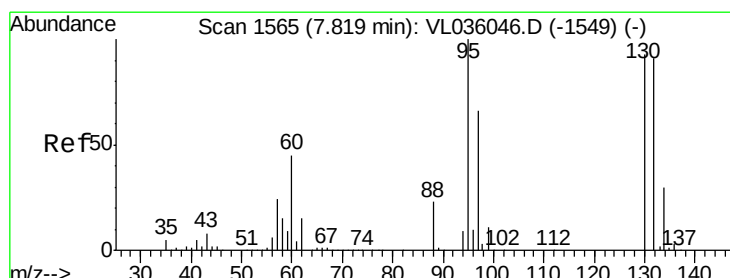
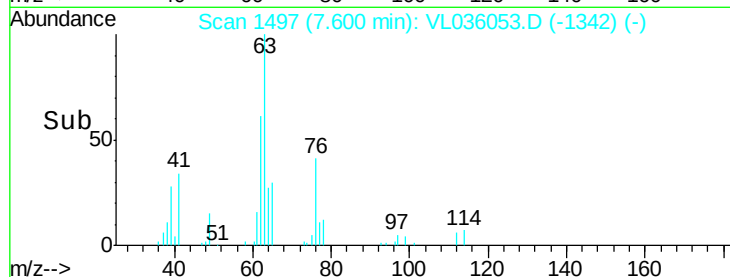
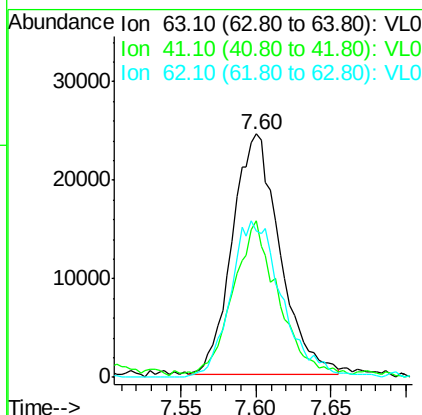
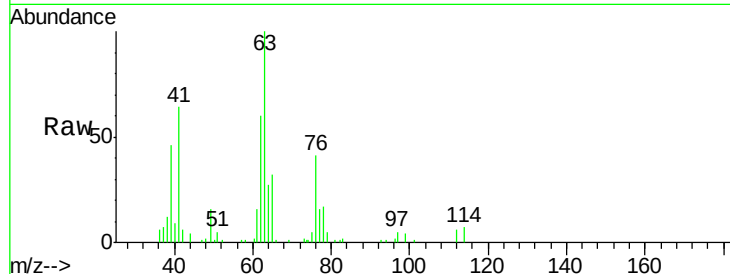
#39
 1,2-Dichloropropane
 Concen: 0.484 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
63	100		
41	63.0	45.4	68.0
62	59.8	55.3	82.9

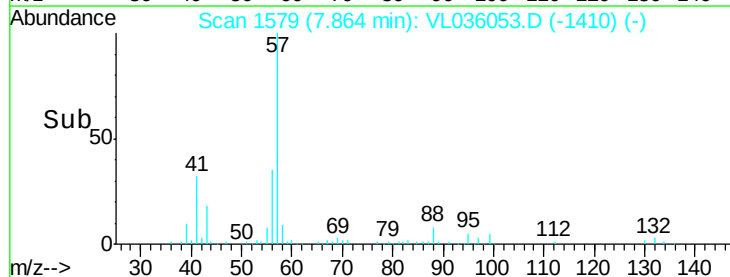
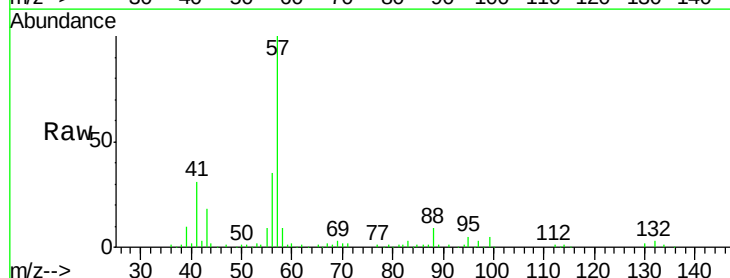
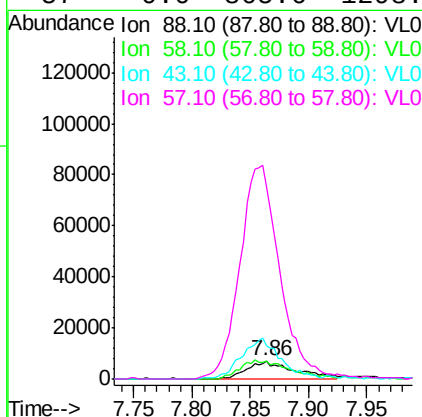
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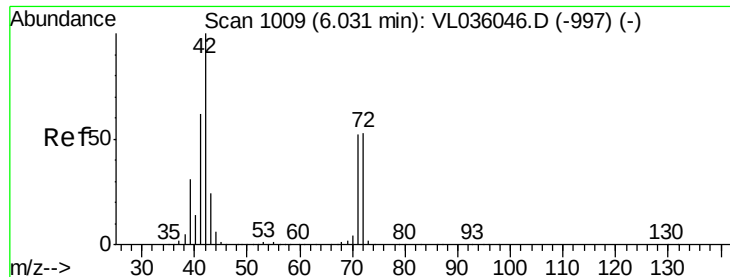
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#40
 1,4-Dioxane
 Concen: 0.526 ppbv m
 RT: 7.86 min Scan# 1579
 Delta R.T. 0.04 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	91.0	136.6#
43	0.0	163.3	244.9#
57	0.0	865.6	1298.4#





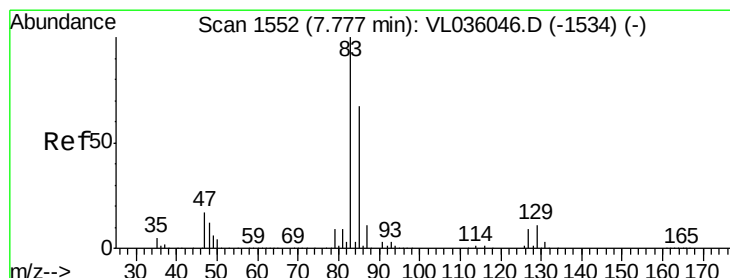
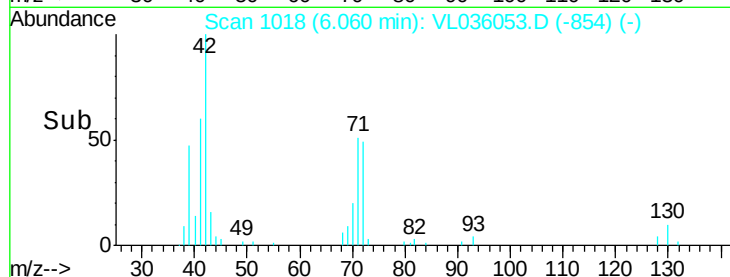
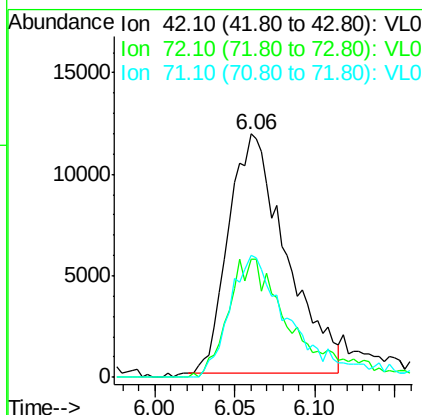
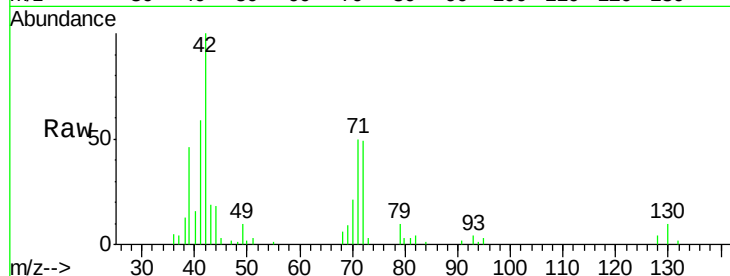
#41
Tetrahydrofuran
Concen: 0.380 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.5	42.7	64.1
71	55.2	41.0	61.4

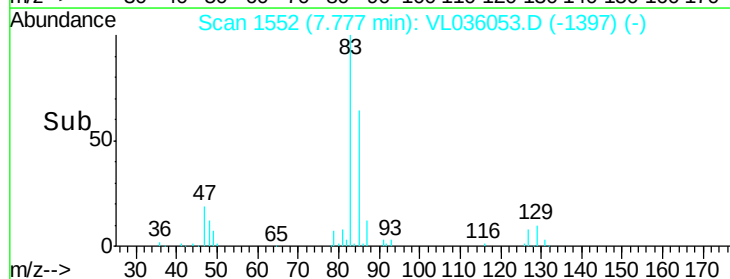
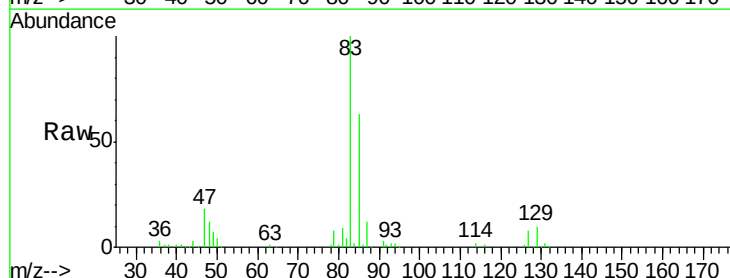
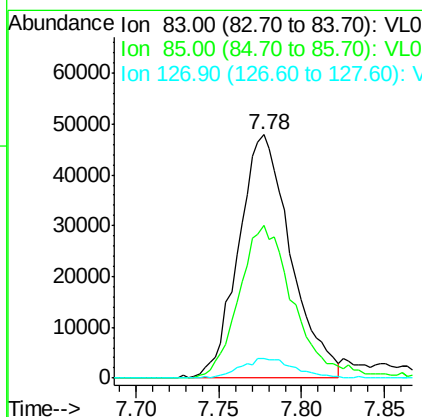
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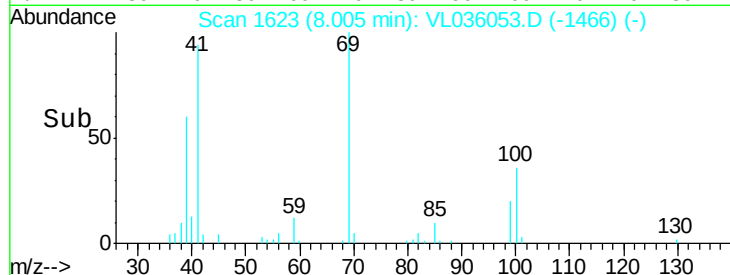
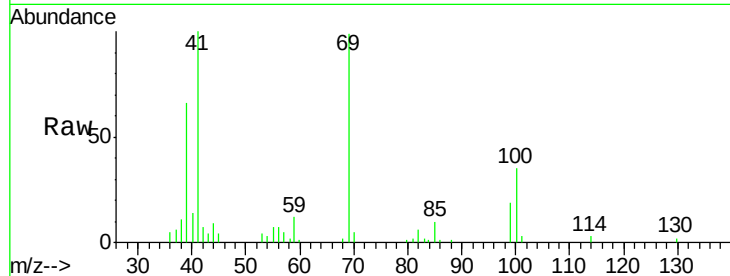
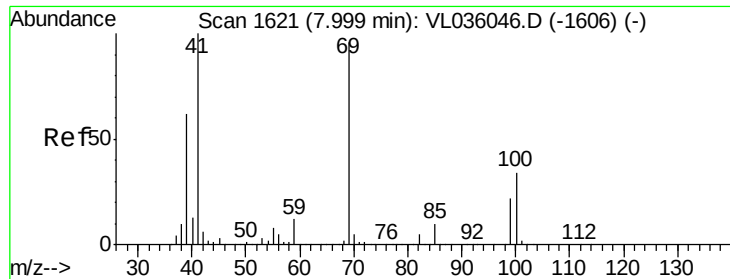
MMDadoda
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#42
Bromodichloromethane
Concen: 0.432 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	53.7	80.5
127	8.0	7.0	10.6





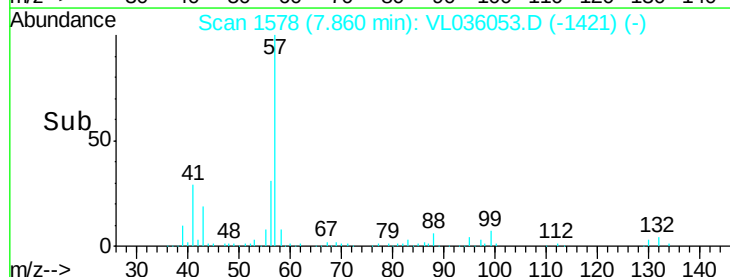
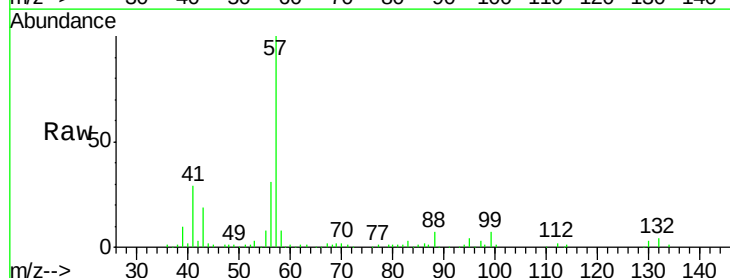
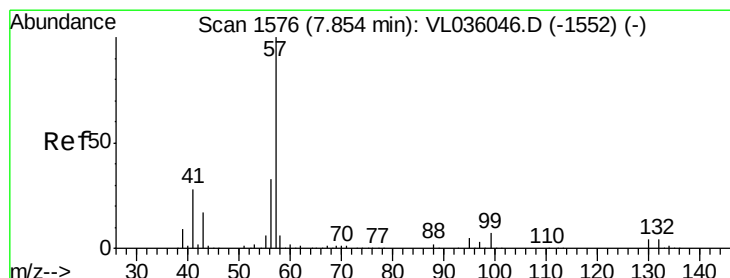
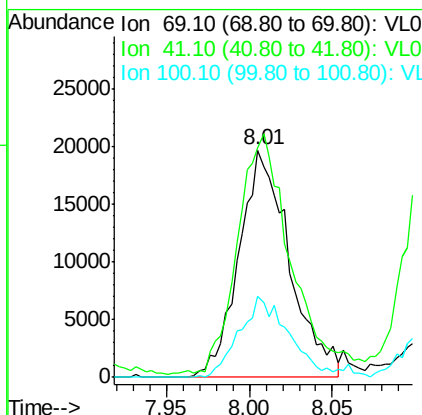
#43
Methyl Methacrylate
Concen: 0.391 ppbv
RT: 8.01 min Scan# 1623
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tot Ion	Ratio	Lower	Upper
69	100		
41	113.6	86.5	129.7
100	36.0	29.0	43.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

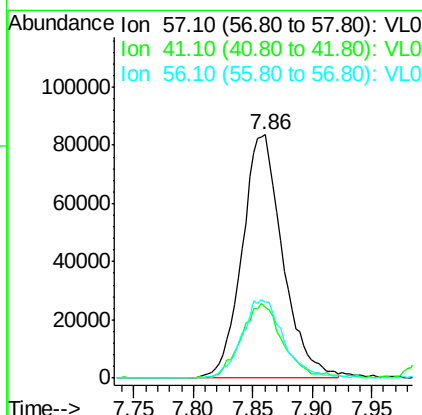
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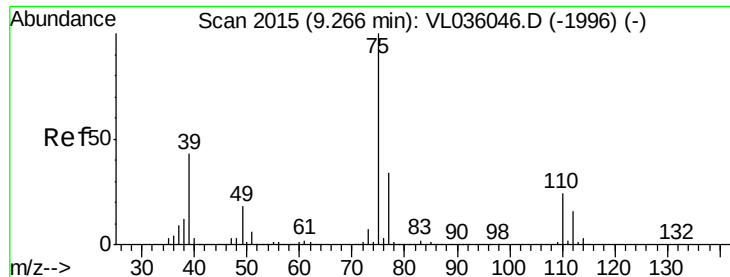
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.454 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.3	21.9	32.9
56	33.7	25.8	38.6





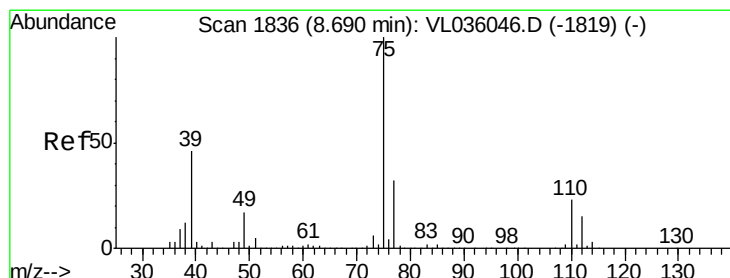
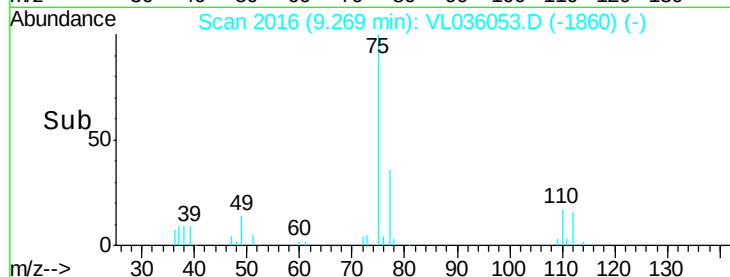
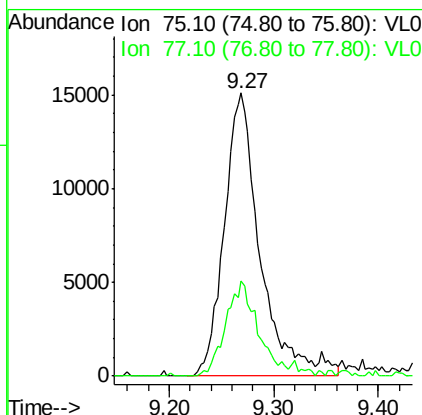
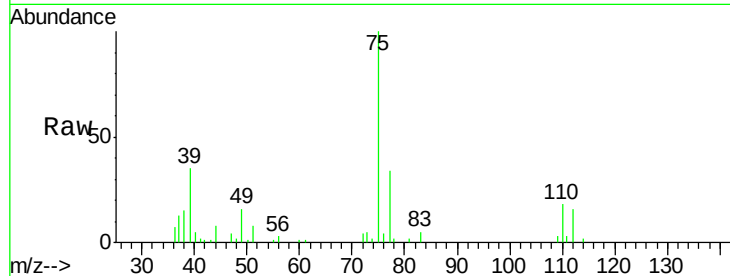
#45
t-1,3-Dichloropropene
Concen: 0.358 ppbv m
RT: 9.27 min Scan# 2016
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 75 Resp: 36096
Ion Ratio Lower Upper
75 100
77 33.6 26.8 40.2

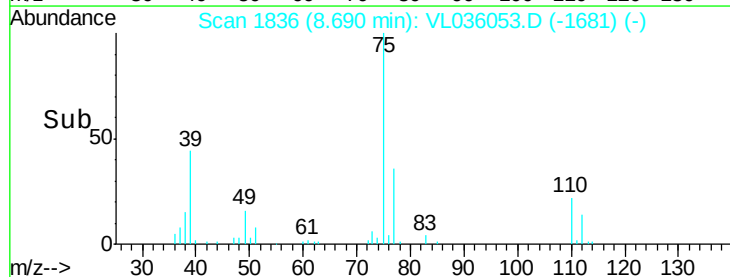
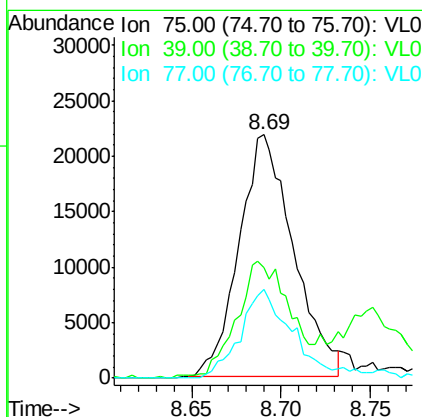
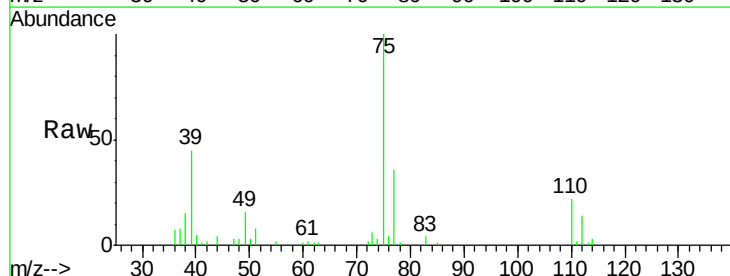
Manual Integrations
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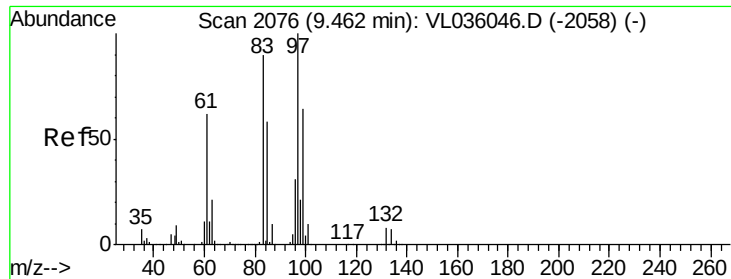
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 0.341 ppbv
RT: 8.69 min Scan# 1836
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 75 Resp: 46106
Ion Ratio Lower Upper
75 100
39 44.6 37.0 55.4
77 36.6 25.5 38.3





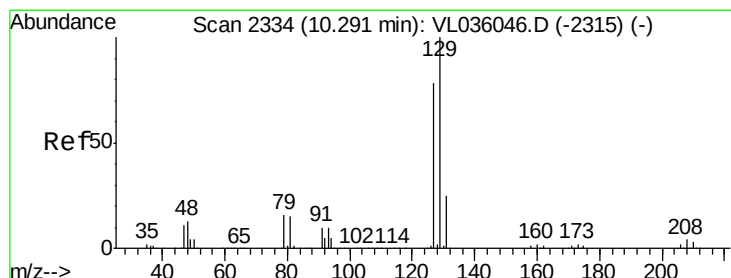
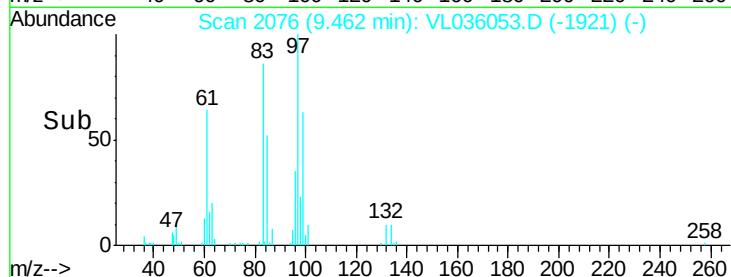
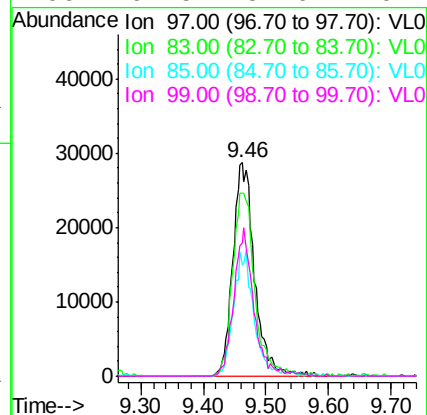
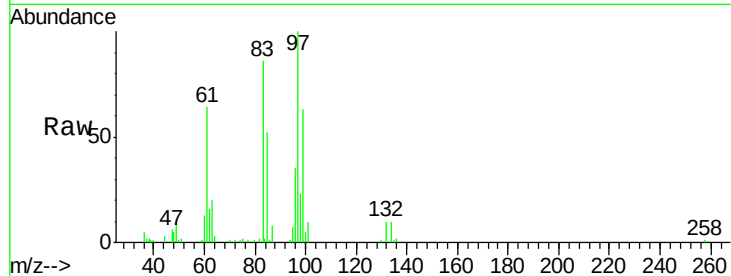
#47
 1,1,2-Trichloroethane
 Concen: 0.495 ppbv m
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	97	Resp:	69696
Ion	Ratio	Lower	Upper
97	100		
83	85.5	72.1	108.1
85	52.0	46.6	69.8
99	62.5	51.0	76.4

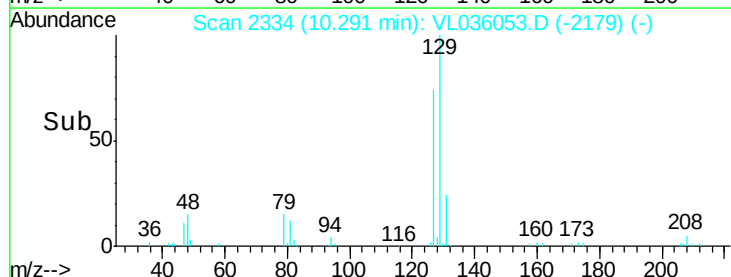
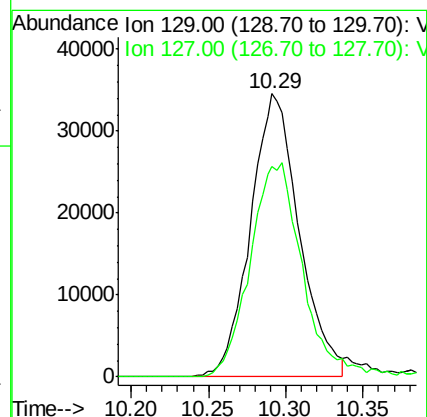
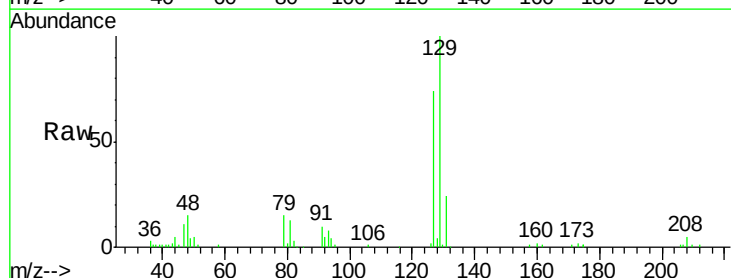
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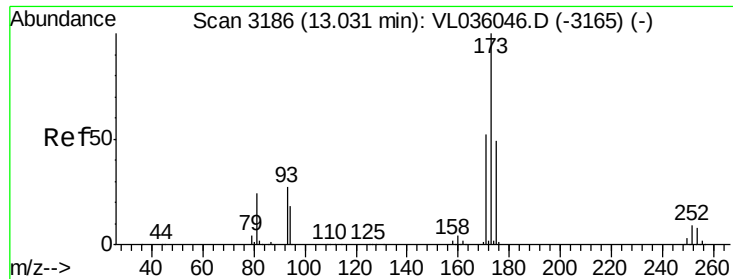
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#48
 Dibromochloromethane
 Concen: 0.383 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion:	129	Resp:	75777
Ion	Ratio	Lower	Upper
129	100		
127	82.0	39.4	118.2





#49

Bromoform

Concen: 0.348 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

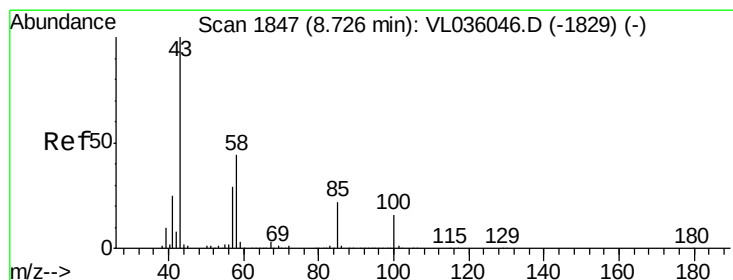
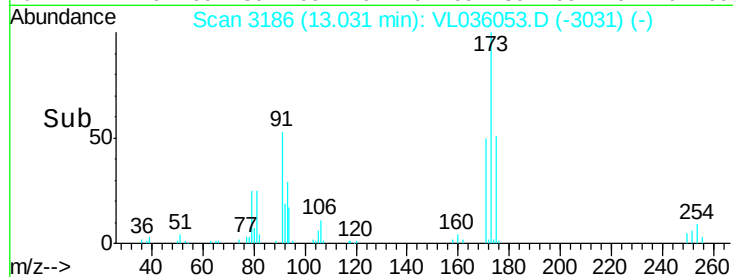
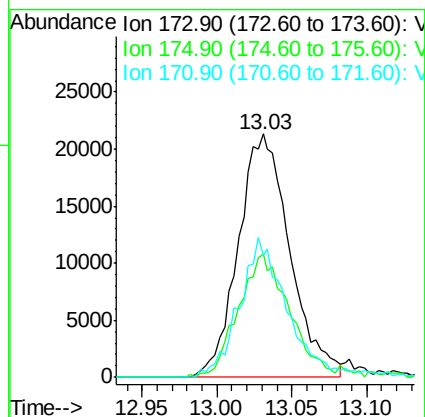
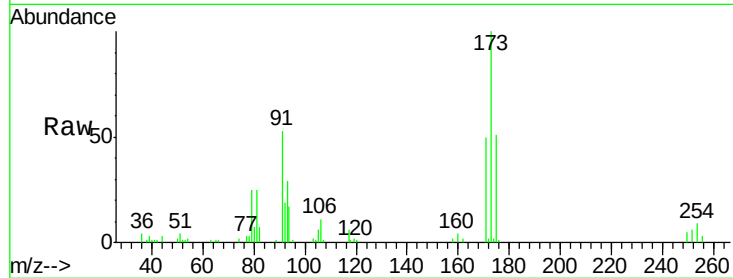
ClientSampleId :

VSTDIC0.5

Tot Ion:	173	Resp:	51177
Ion	Ratio	Lower	Upper
173	100		
175	53.1	39.5	59.3
171	54.5	42.6	63.8

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 0.434 ppbv m

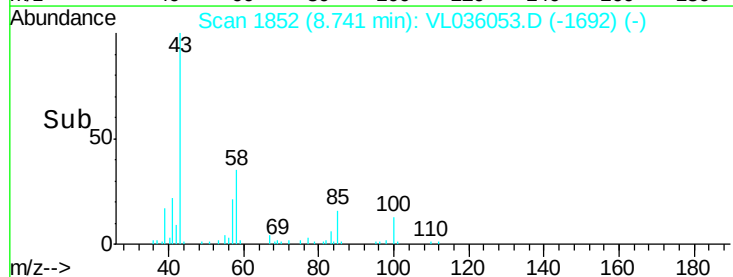
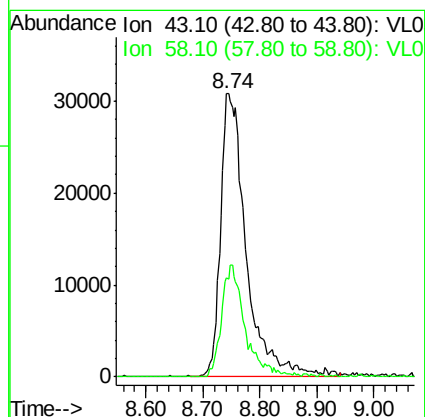
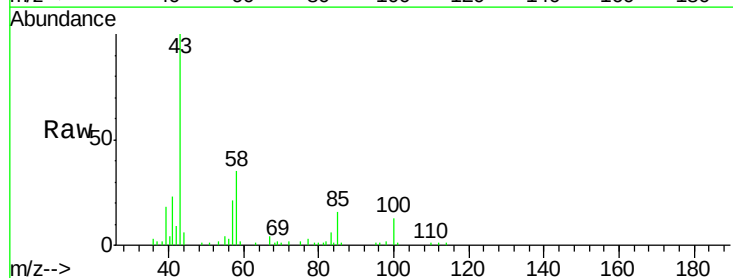
RT: 8.74 min Scan# 1852

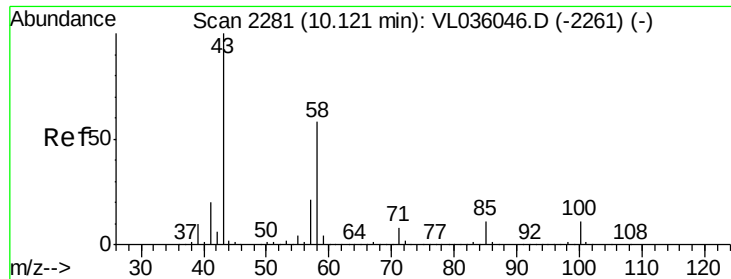
Delta R.T. 0.02 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion:	43	Resp:	96749
Ion	Ratio	Lower	Upper
43	100		
58	36.1	34.7	52.1





#51

2-Hexanone

Concen: 0.364 ppbv m

RT: 10.15 min Scan# 2289

Delta R.T. 0.03 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampled :

VSTDIC0.5

Tot Ion: 43 Resp: 58745

Ion Ratio Lower Upper

43 100

58 47.3 45.7 68.5

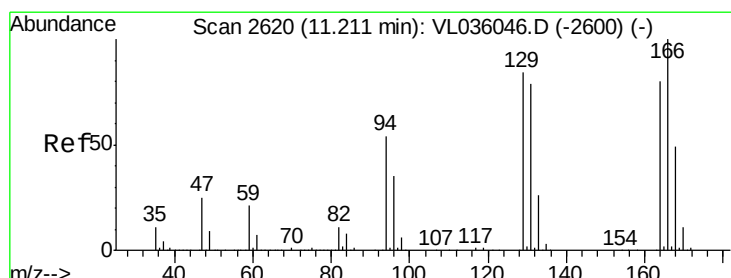
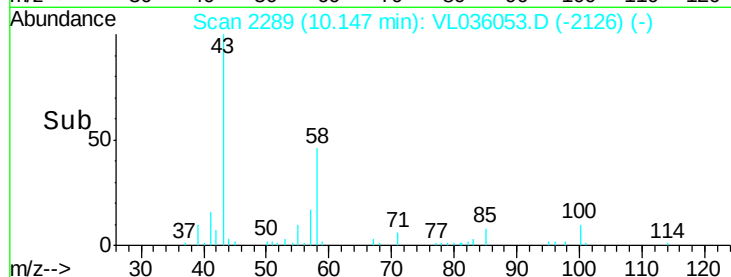
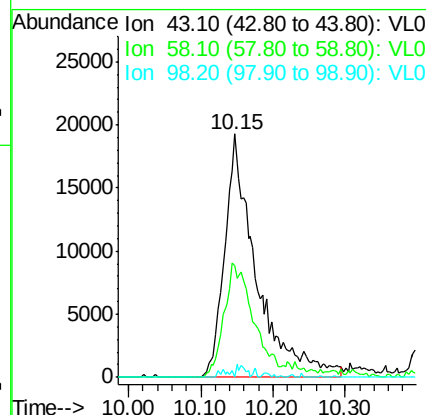
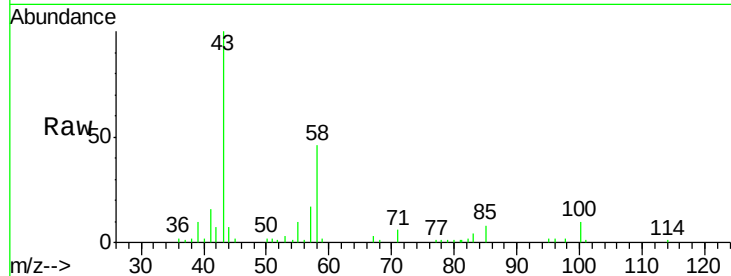
98 3.1 0.8 1.2#

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#52

Tetrachloroethene

Concen: 0.467 ppbv m

RT: 11.21 min Scan# 2620

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion: 164 Resp: 53010

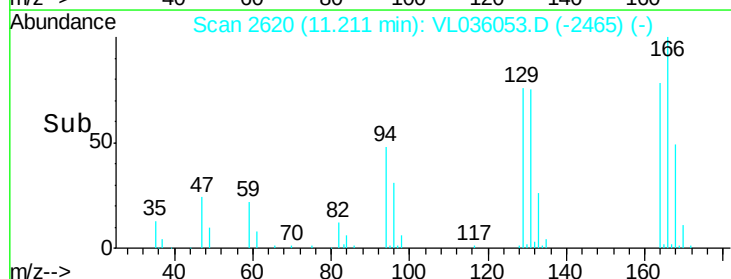
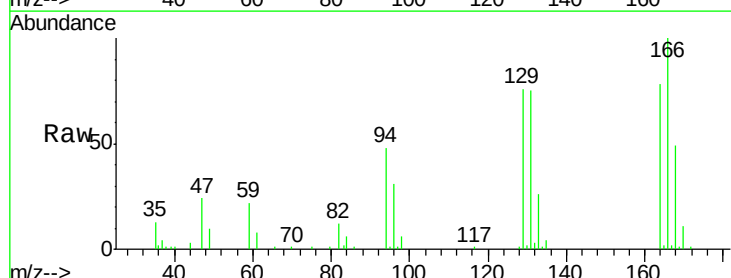
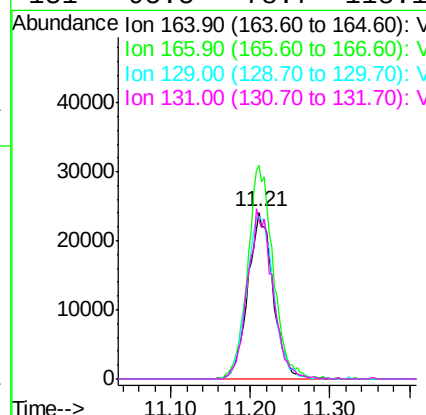
Ion Ratio Lower Upper

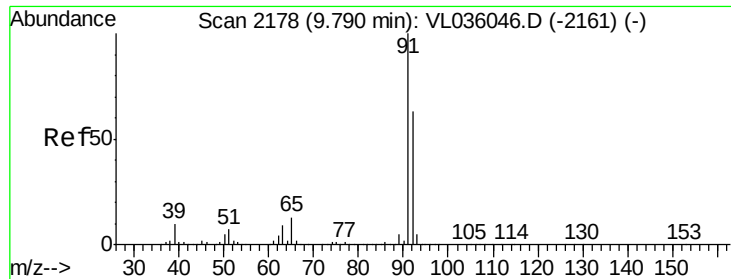
164 100

166 128.1 100.2 150.2

129 97.6 83.7 125.5

131 95.5 78.7 118.1





#53

Toluene

Concen: 0.393 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.01 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion: 91 Resp: 125198

Ion Ratio Lower Upper

91 100

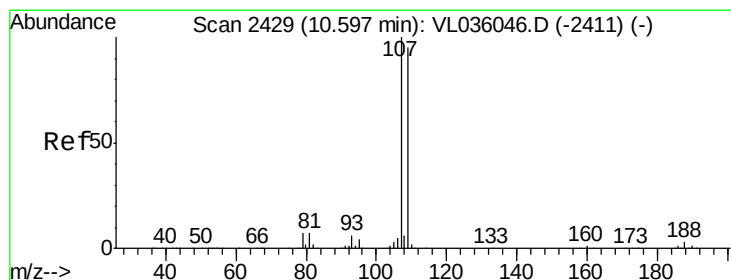
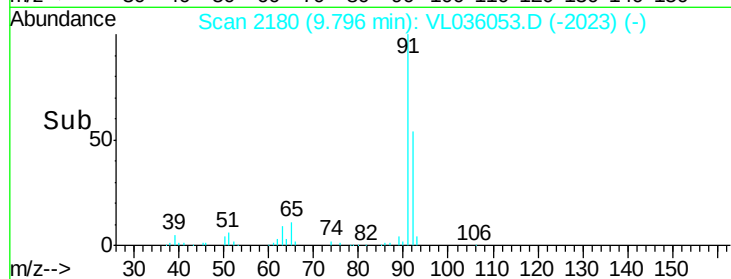
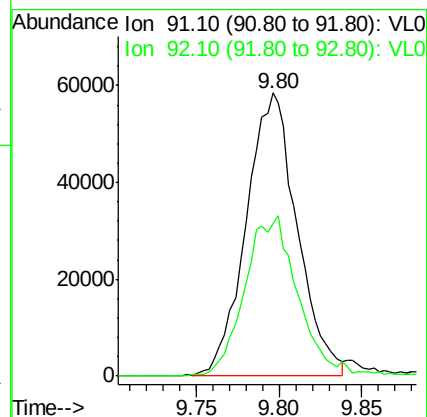
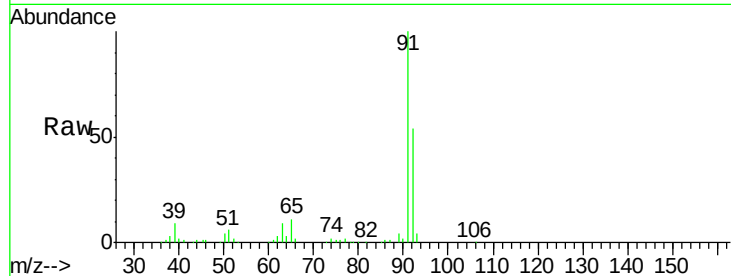
92 59.2 49.3 73.9

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 0.444 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL036053.D

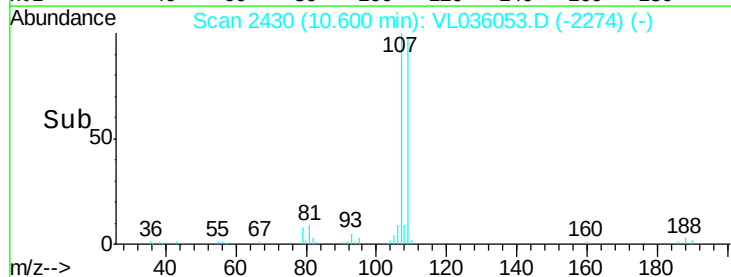
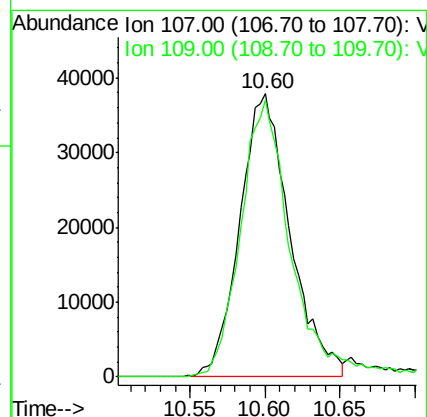
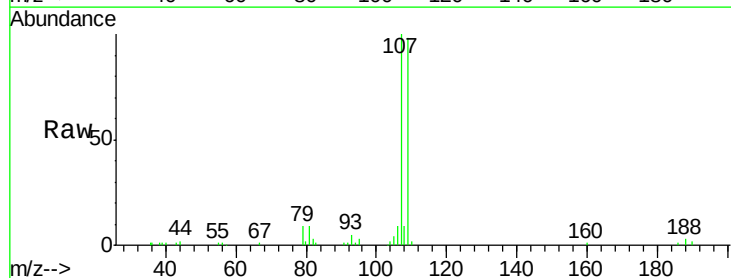
Acq: 3 Dec 2020 14:13

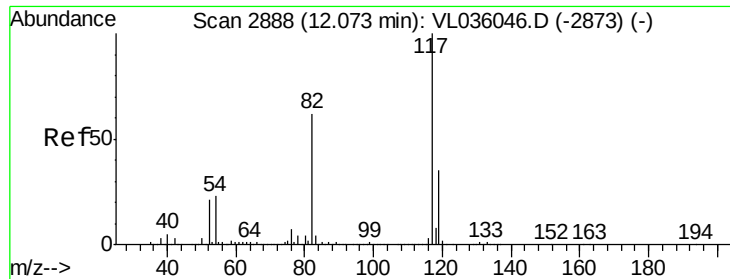
Tgt Ion: 107 Resp: 88535

Ion Ratio Lower Upper

107 100

109 97.1 75.7 113.5





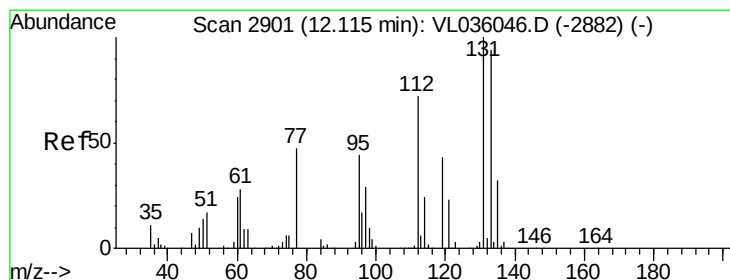
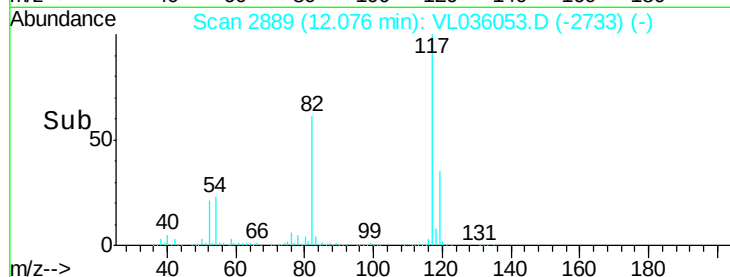
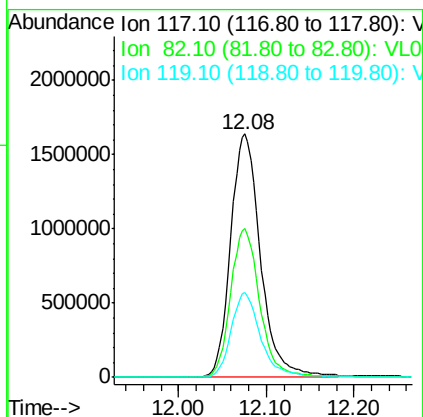
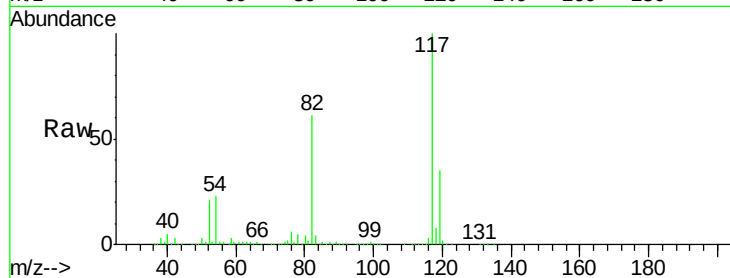
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion:117 Resp: 3895325
Ion Ratio Lower Upper
117 100
82 61.1 49.9 74.9
119 34.8 28.7 43.1

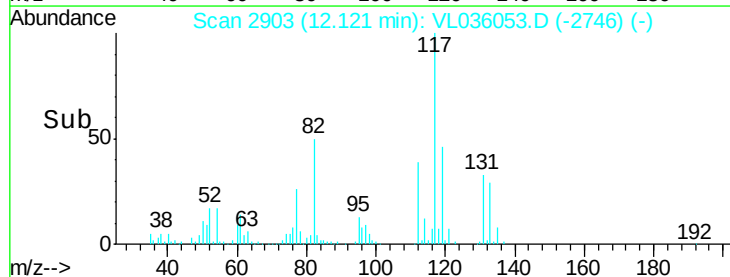
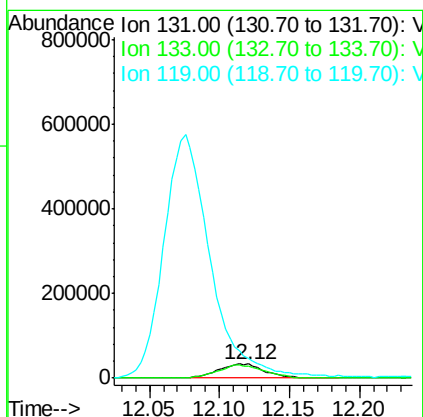
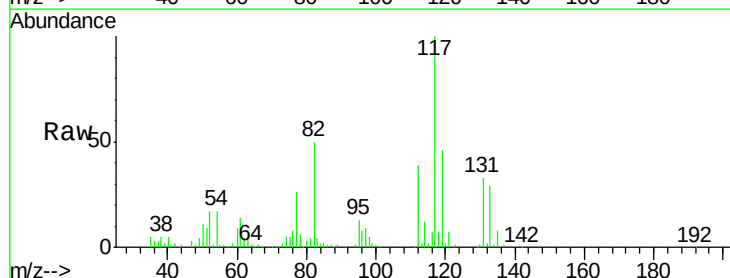
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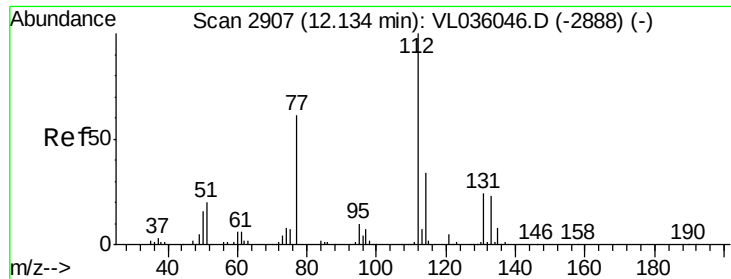
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#56
1,1,1,2-Tetrachloroethane
Concen: 0.481 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion:131 Resp: 76513
Ion Ratio Lower Upper
131 100
133 0.0 76.1 114.1#
119 0.0 49.5 74.3#





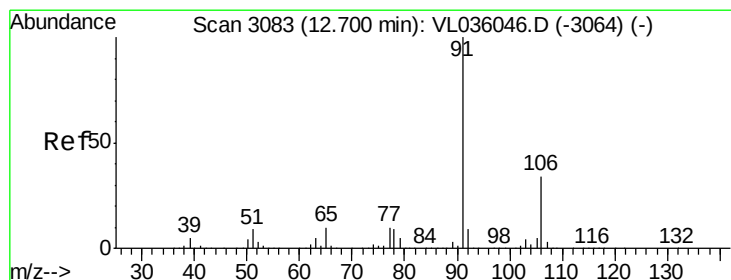
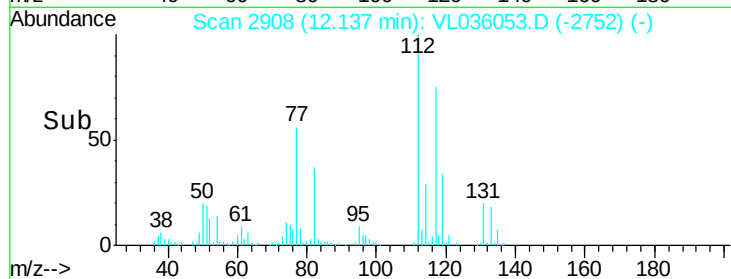
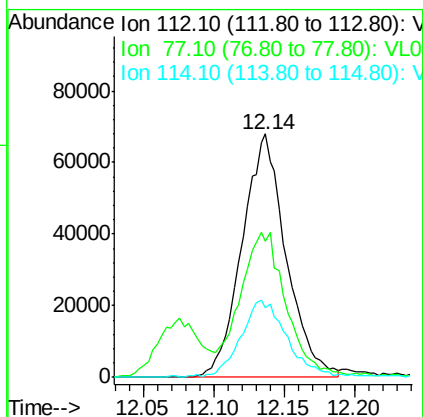
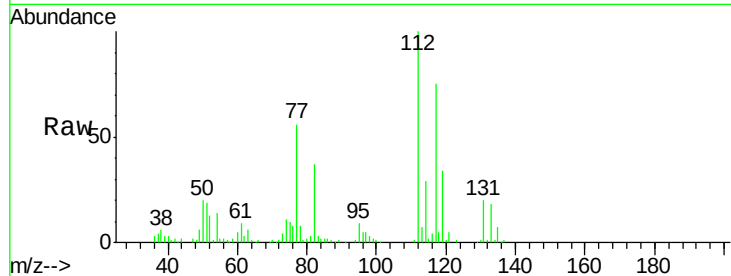
#57
Chlorobenzene
Concen: 0.516 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
112	100		
77	53.6	49.3	73.9
114	28.1	30.2	36.9#

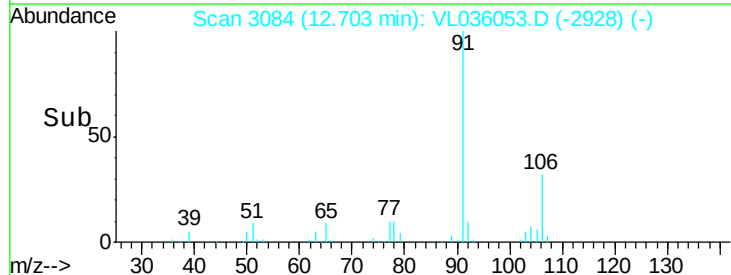
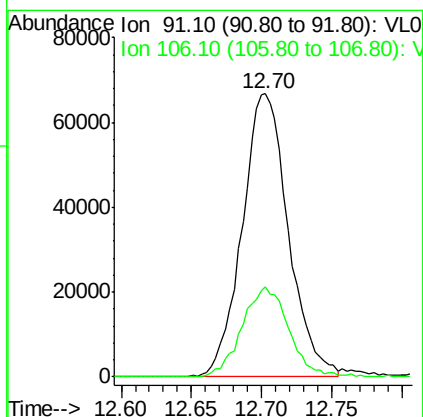
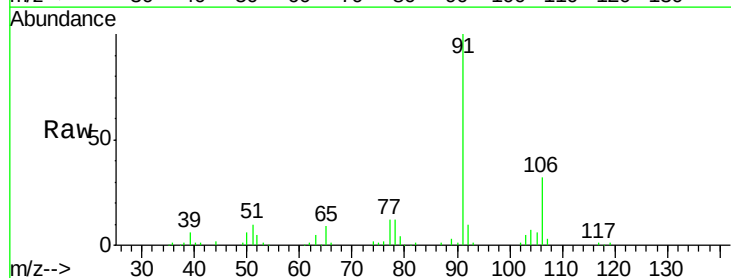
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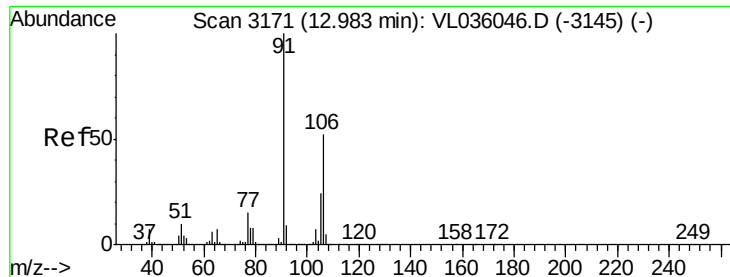
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#58
Ethyl Benzene
Concen: 0.396 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.0	27.4	41.2





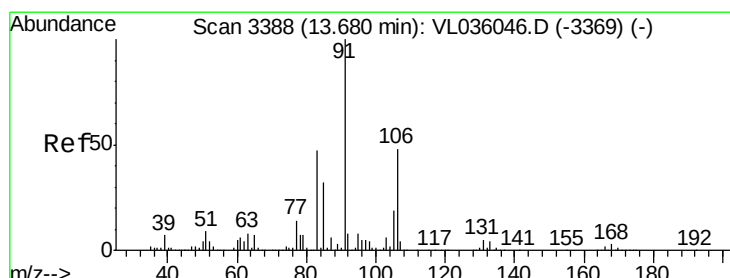
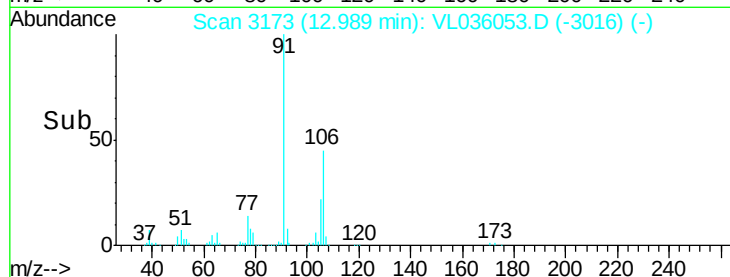
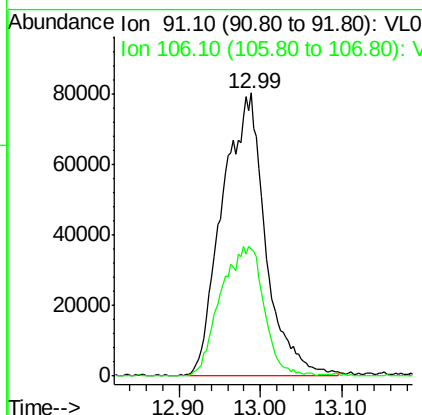
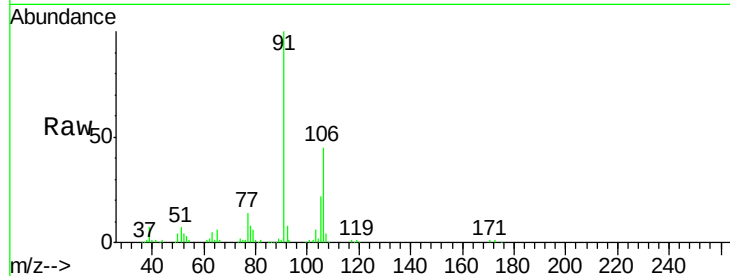
#59
m/p-Xylene
Concen: 0.847 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 297538
Ion Ratio Lower Upper
91 100
106 45.9 38.7 58.1

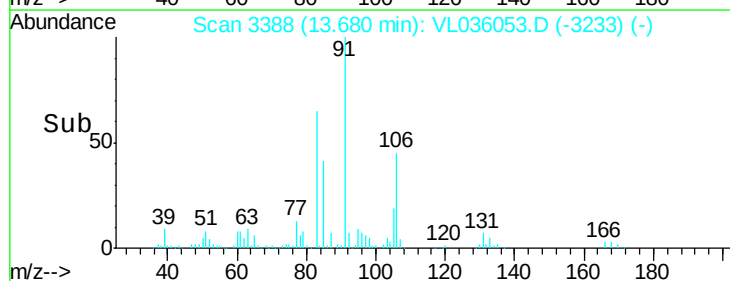
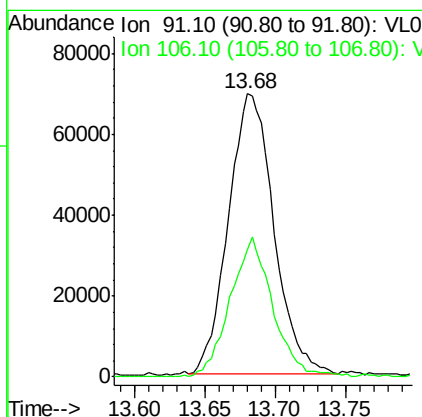
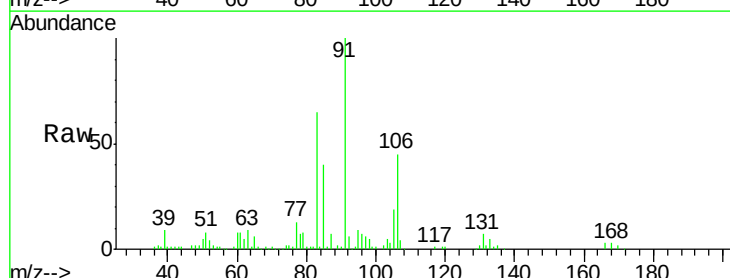
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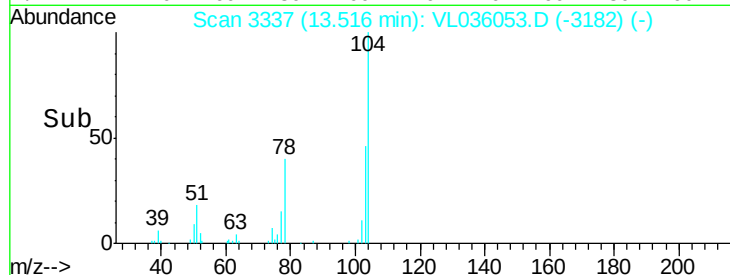
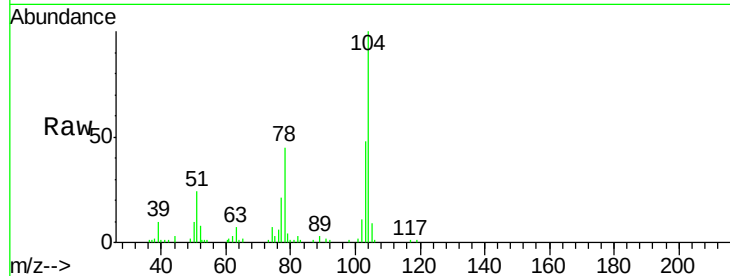
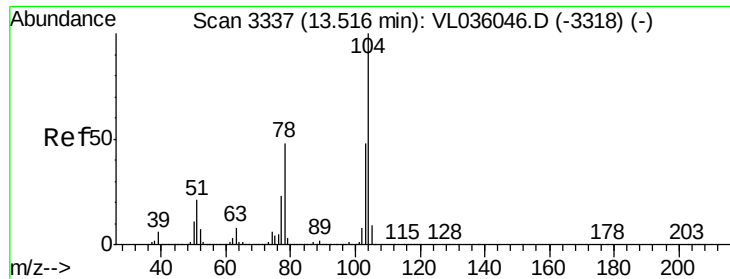
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#60
o-Xylene
Concen: 0.439 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 91 Resp: 155485
Ion Ratio Lower Upper
91 100
106 47.5 24.1 72.3





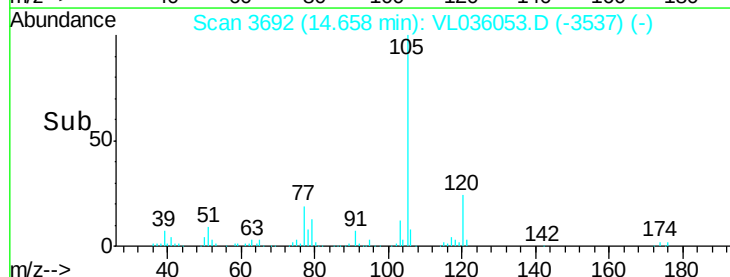
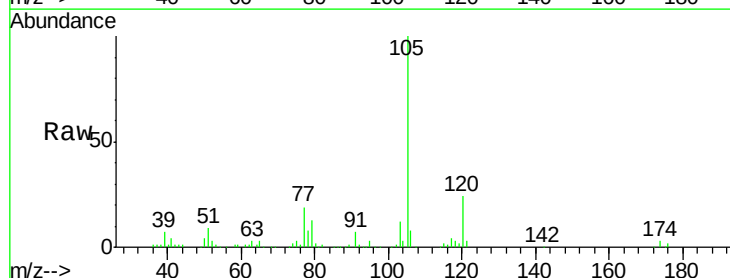
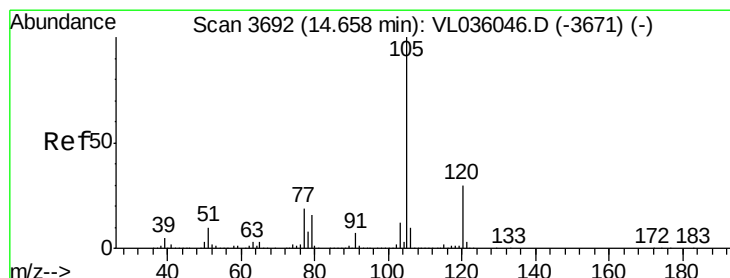
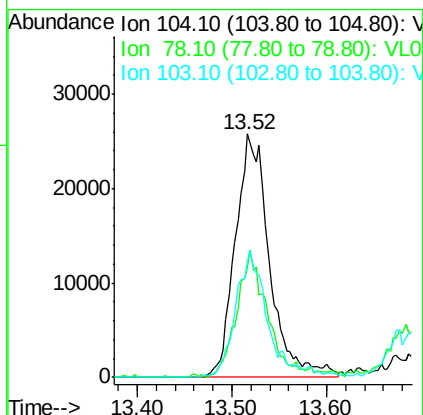
#61
Stvrene
Concen: 0.322 ppbv m
RT: 13.52 min Scan# 3337
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tot Ion	Ratio	Resp	Lower	Upper
104	100	64708		
78	48.5		38.0	57.0
103	49.6		37.7	56.5

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

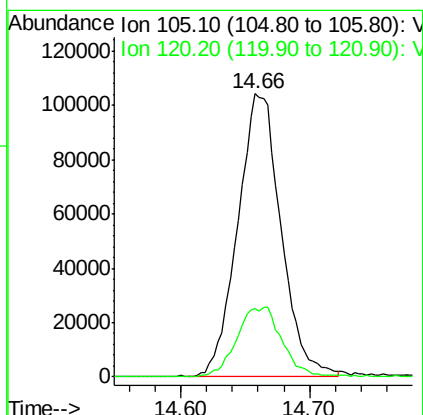
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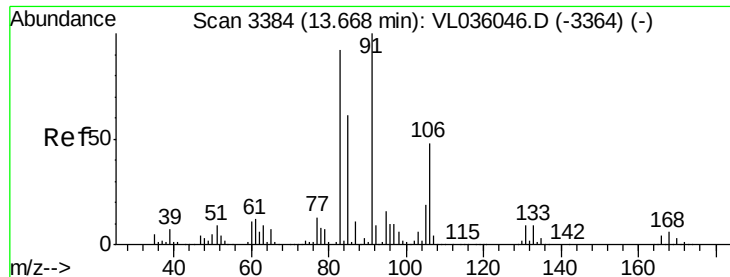
MMDadoda
12/7/2020 12:08:31 PM



#62
Isopropylbenzene
Concen: 0.462 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	243264		
120	26.1		22.6	34.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.465 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

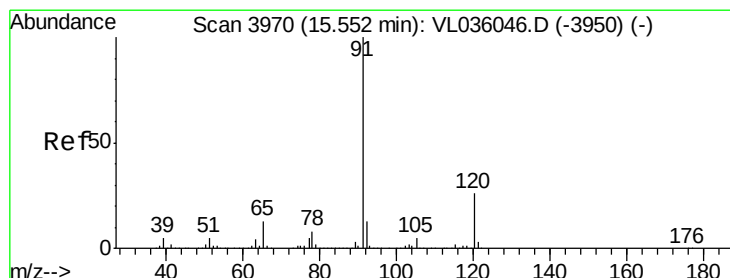
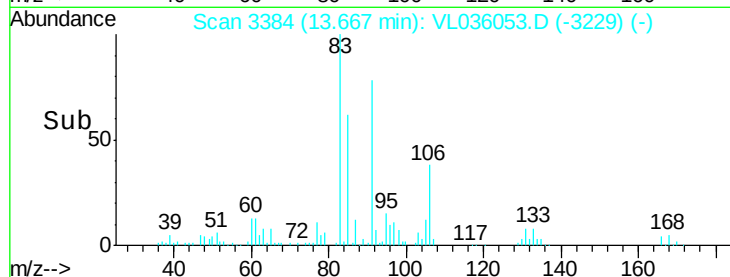
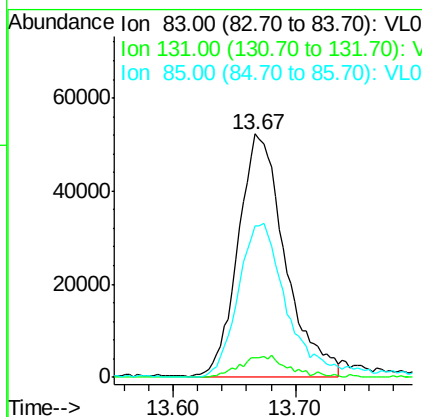
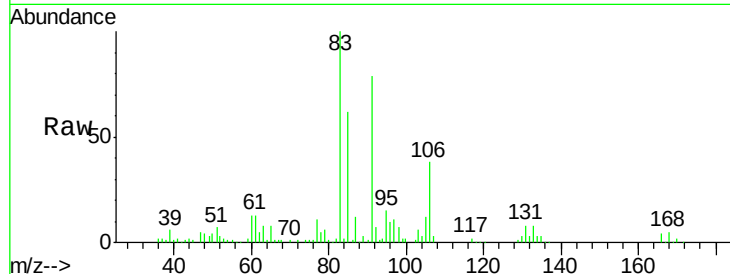
ClientSampleId :

VSTDIC0.5

Tot Ion:	83	Resp:	138206
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.4
85	69.5	33.3	99.9

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#64

n-propylbenzene

Concen: 0.406 ppbv

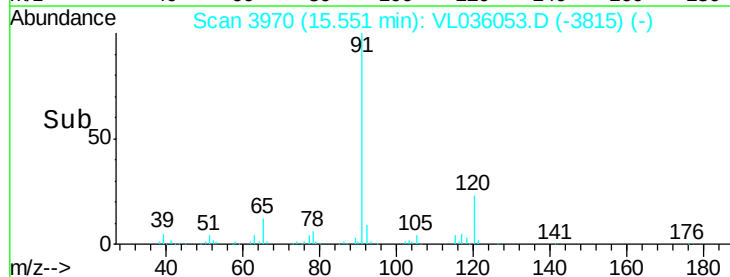
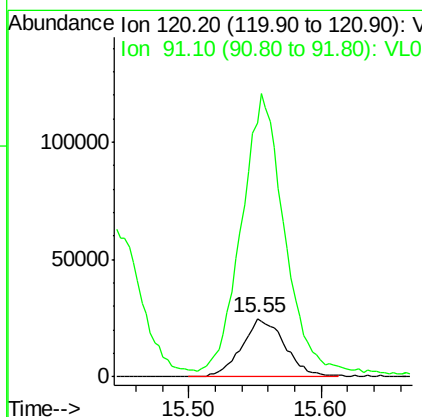
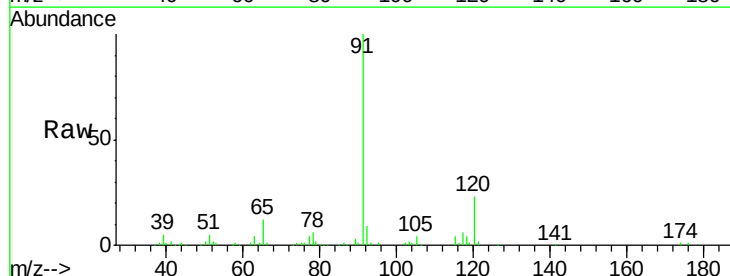
RT: 15.55 min Scan# 3970

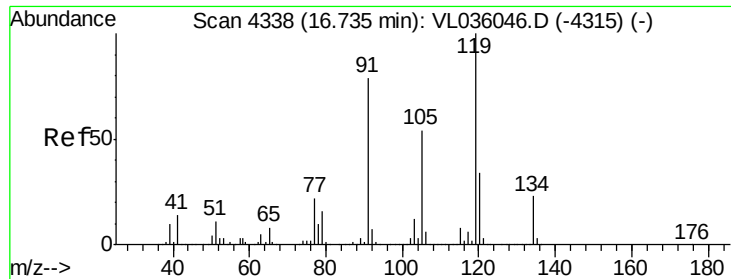
Delta R.T. -0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion:	120	Resp:	56296
Ion Ratio	Lower	Upper	
120	100		
91	502.2	331.4	497.2#





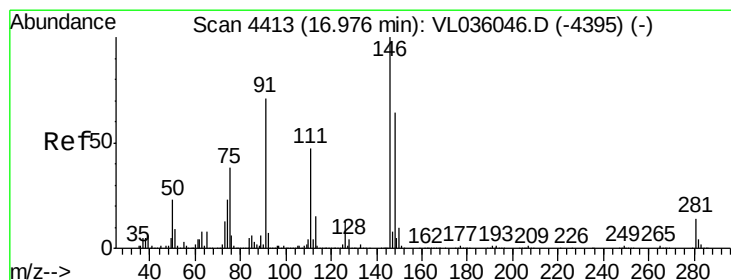
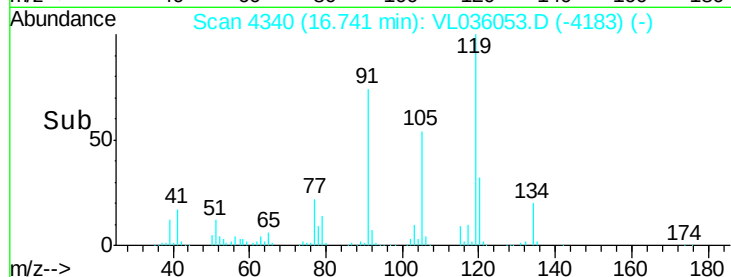
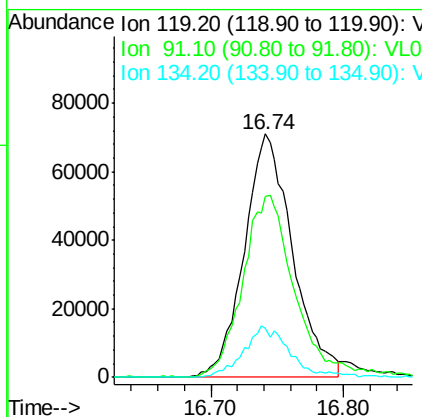
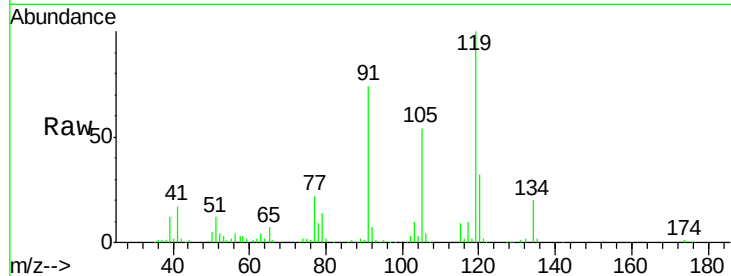
#65
tert-Butylbenzene
Concen: 0.407 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	179579		
91	81.9	63.4	95.2	
134	20.3	17.1	25.7	

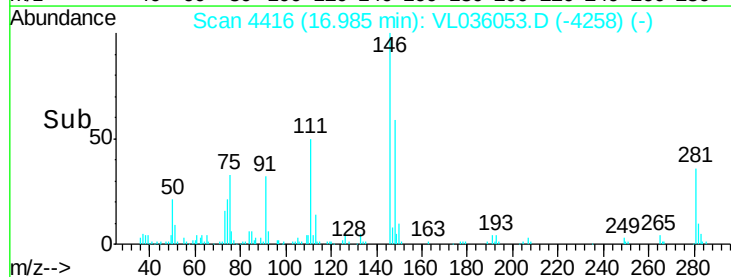
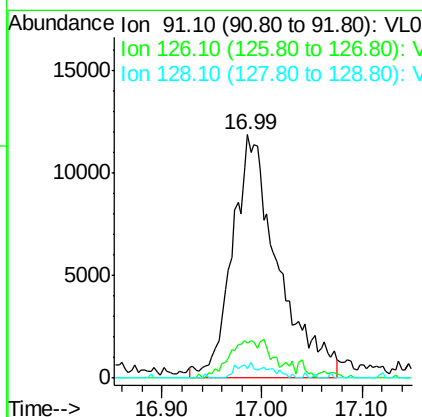
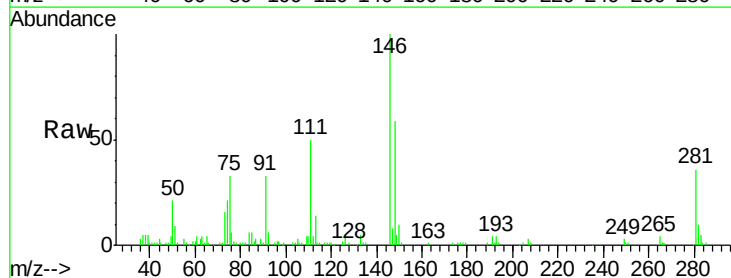
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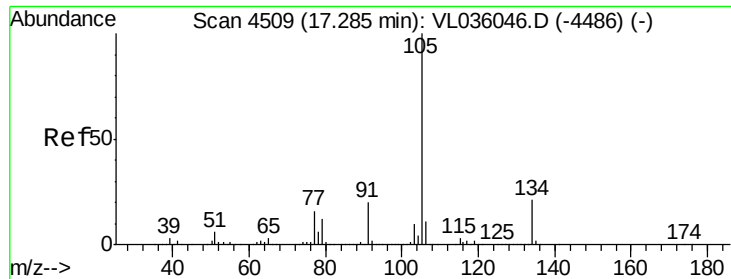
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#66
Benzyl Chloride
Concen: 0.356 ppbv m
RT: 16.99 min Scan# 4416
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	37802		
126	0.0	14.3	21.5#	
128	0.0	4.7	7.1#	





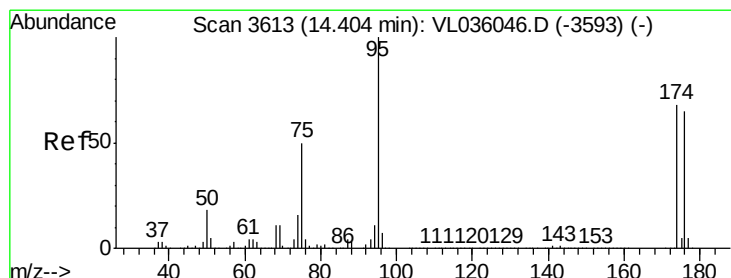
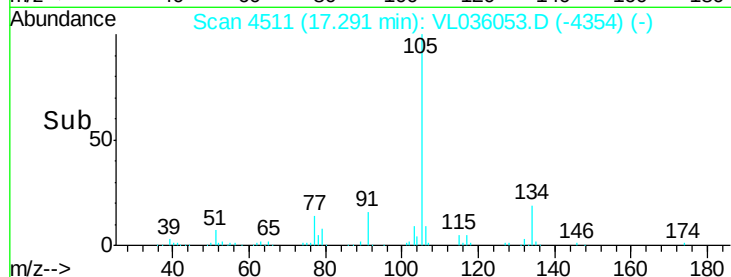
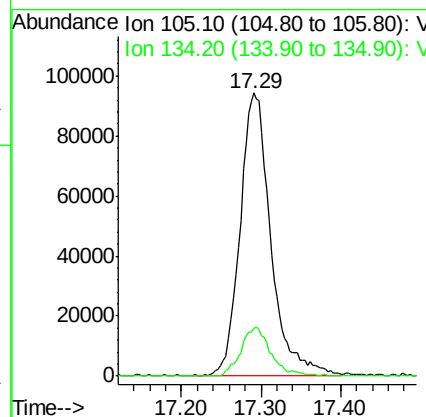
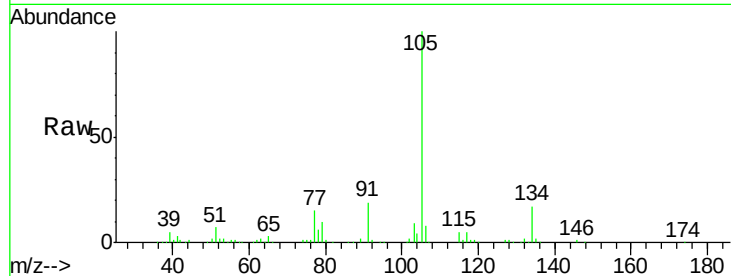
#67
 sec-Butylbenzene
 Concen: 0.422 ppbv m
 RT: 17.29 min Scan# 4511
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion: 105 Resp: 254222
 Ion Ratio Lower Upper
 105 100
 134 16.9 15.8 23.8

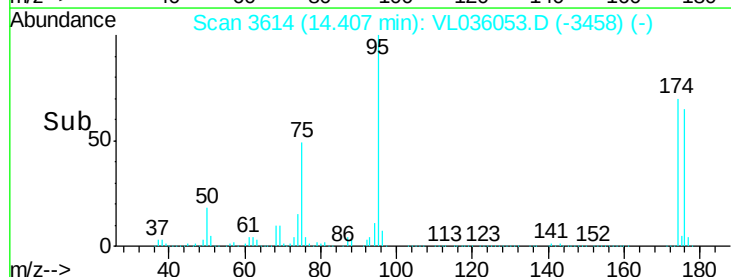
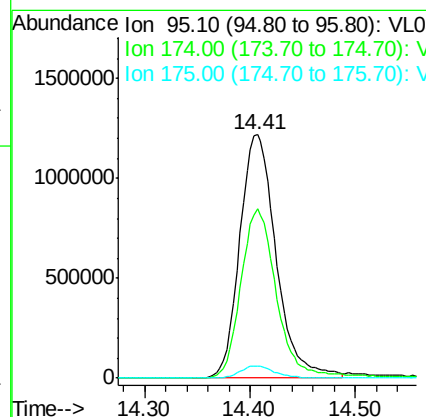
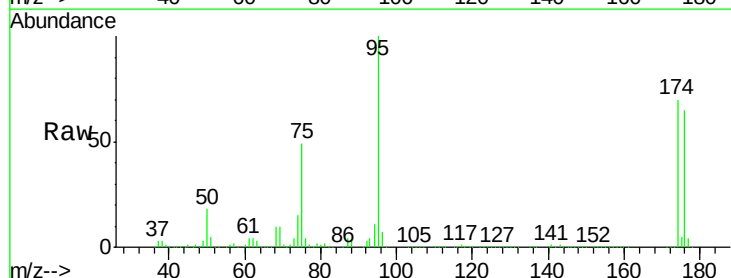
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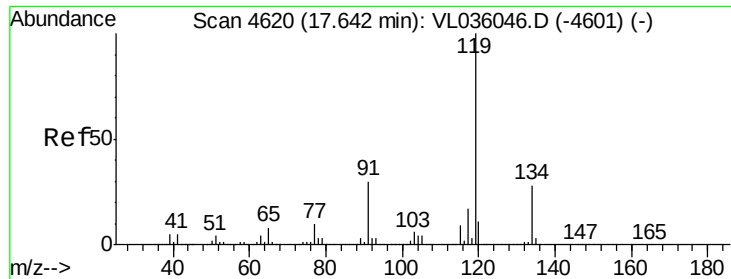
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.828 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. 0.00 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion: 95 Resp: 2925079
 Ion Ratio Lower Upper
 95 100
 174 69.9 54.2 81.2
 175 4.8 3.8 5.8





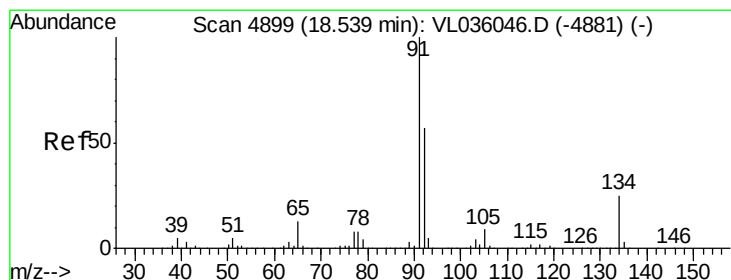
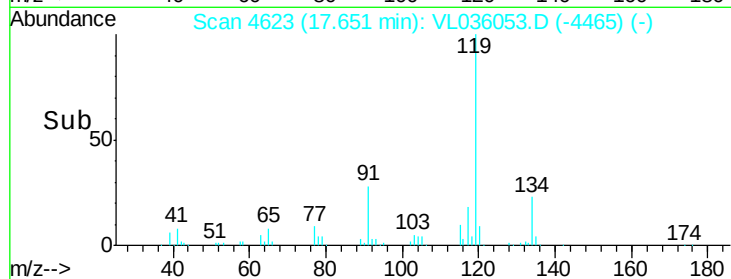
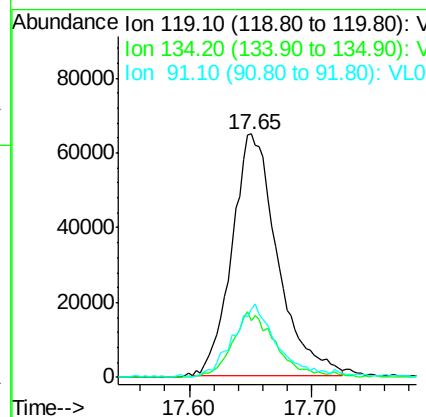
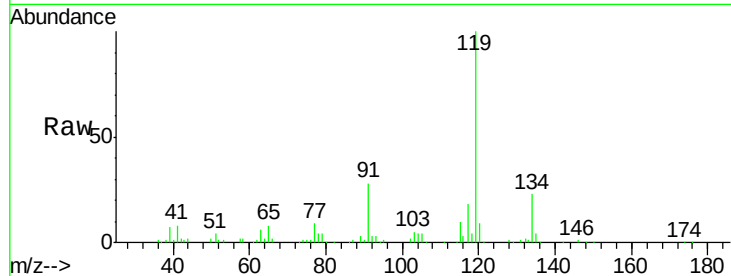
#69
 p-Isopropyltoluene
 Concen: 0.367 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	166826		
134	26.3		22.2	33.2
91	31.7		23.2	34.8

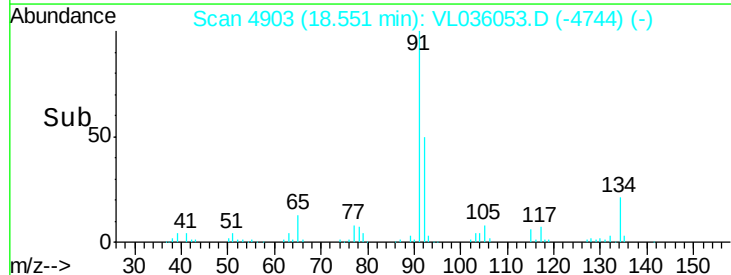
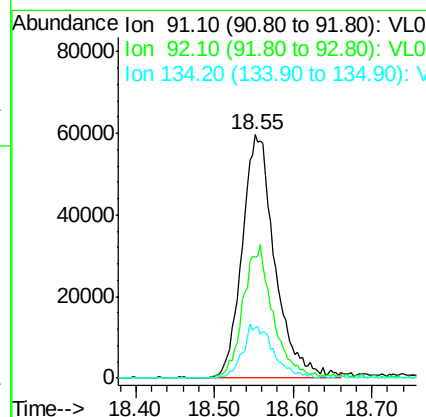
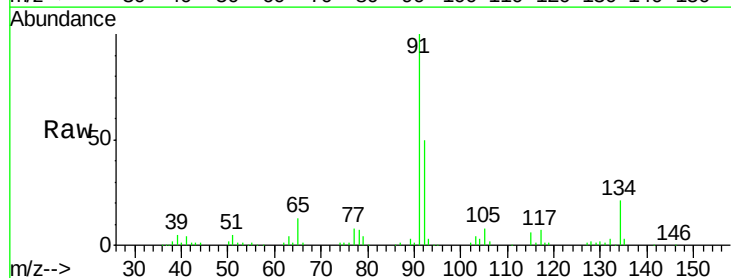
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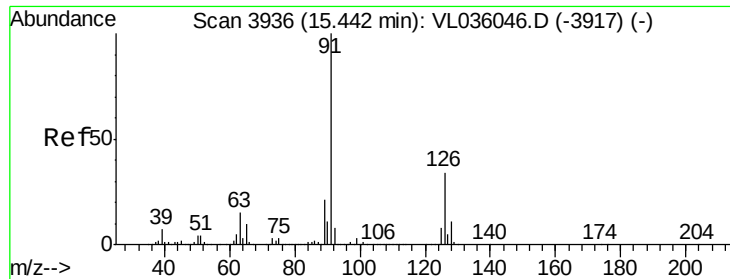
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#70
 n-Butylbenzene
 Concen: 0.382 ppbv m
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	171906		
92	0.0		45.2	67.8#
134	20.8		19.2	28.8





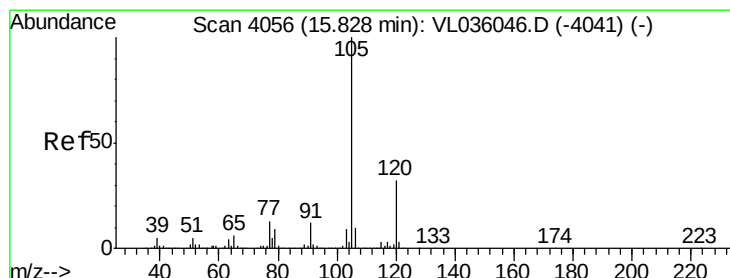
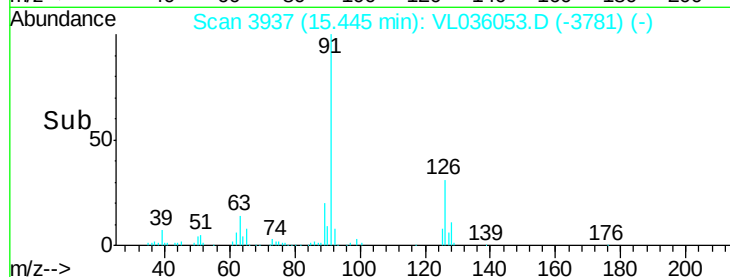
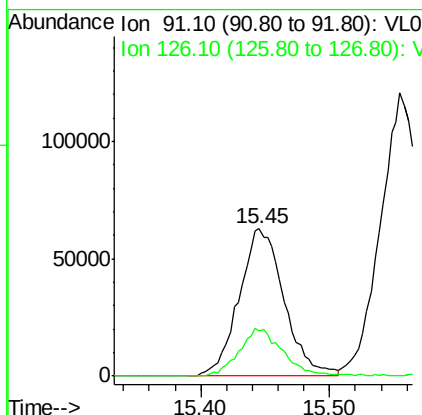
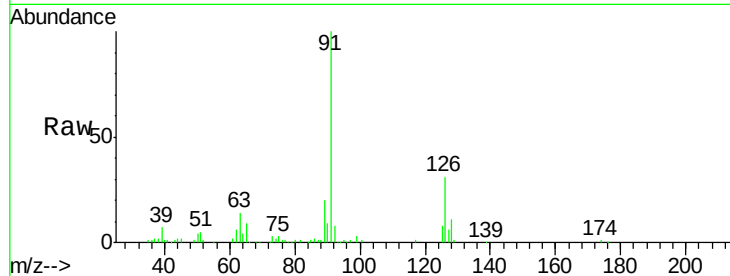
#71
2-Chlorotoluene
Concen: 0.422 ppbv
RT: 15.45 min Scan# 3937
Delta R.T. 0.00 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tot Ion: 91 Resp: 152748
Ion Ratio Lower Upper
91 100
126 31.8 13.2 53.0

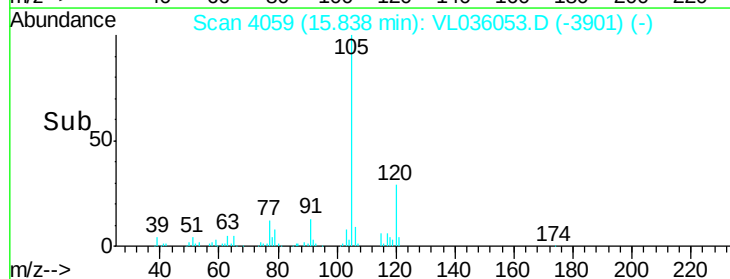
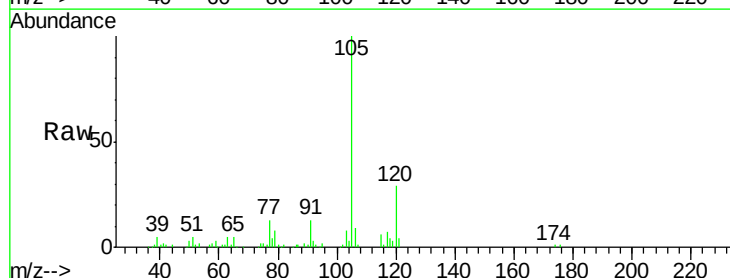
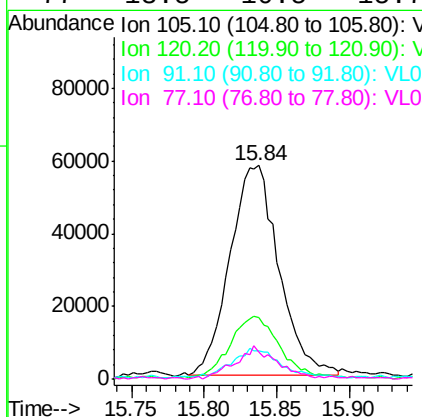
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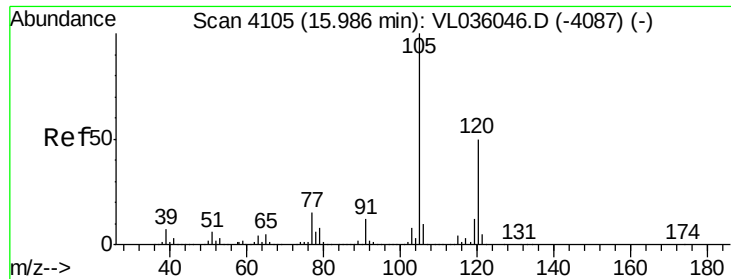
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#72
4-Ethyltoluene
Concen: 0.371 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.01 min
Lab File: VL036053.D
Acq: 3 Dec 2020 14:13

Tgt Ion: 105 Resp: 135378
Ion Ratio Lower Upper
105 100
120 32.0 25.3 37.9
91 13.7 10.1 15.1
77 13.5 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 0.414 ppbv m

RT: 16.00 min Scan# 4108

Delta R.T. 0.01 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tot Ion:105 Resp: 141525

Ion Ratio Lower Upper

105 100

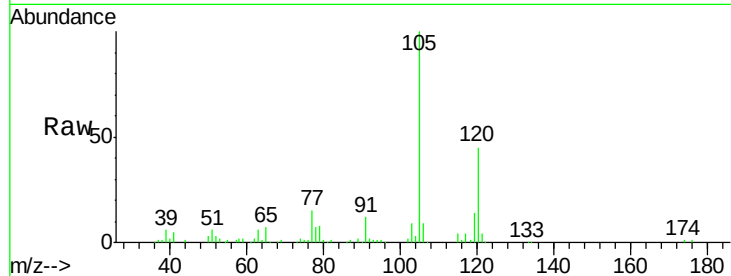
120 44.7 39.8 59.8

Manual Integrations

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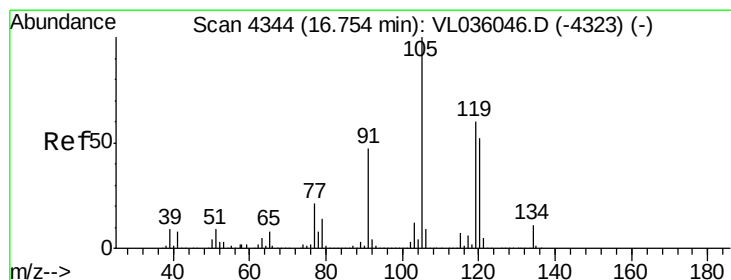
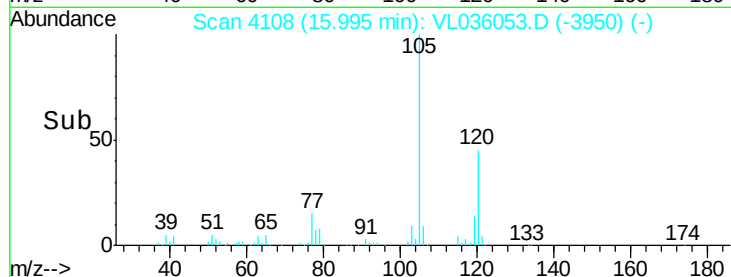
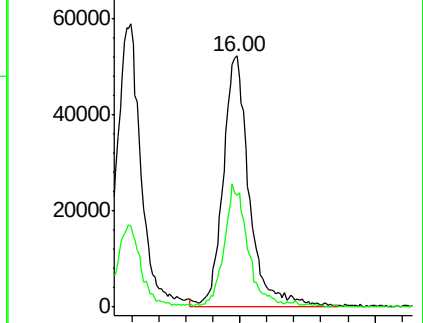
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.430 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Tgt Ion:105 Resp: 163944

Ion Ratio Lower Upper

105 100

120 49.0 41.5 62.3

91 48.4 38.1 57.1

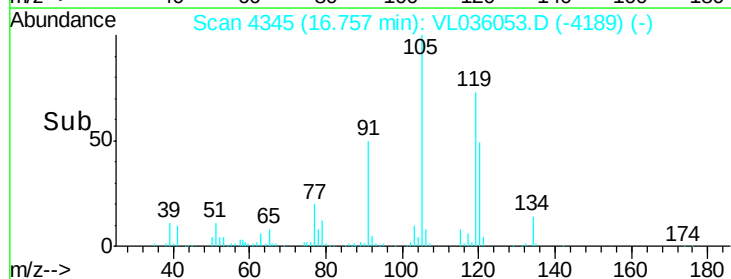
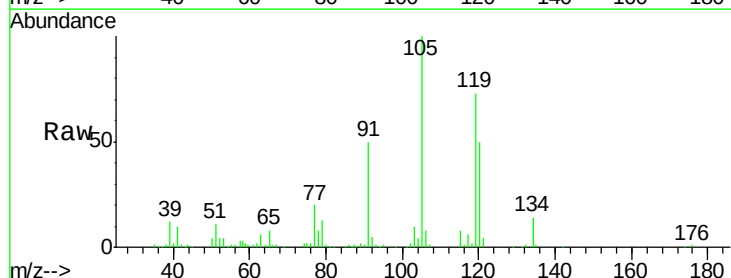
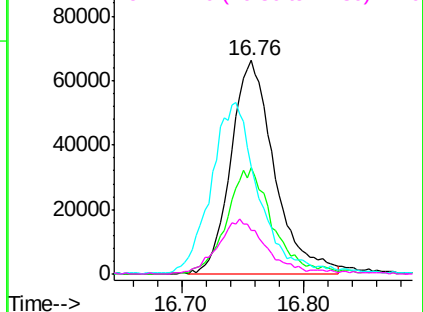
77 19.4 17.0 25.4

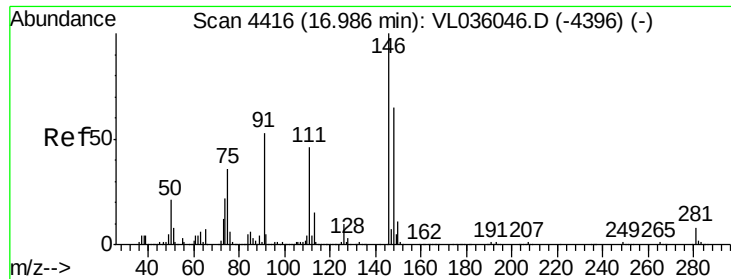
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





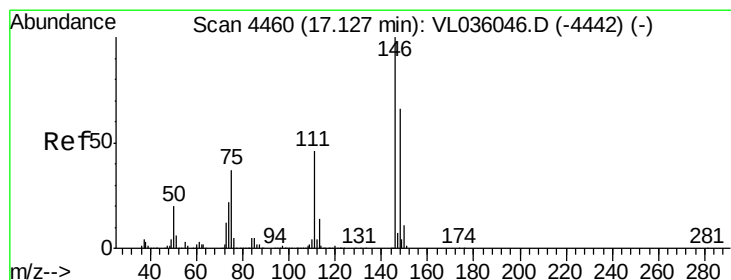
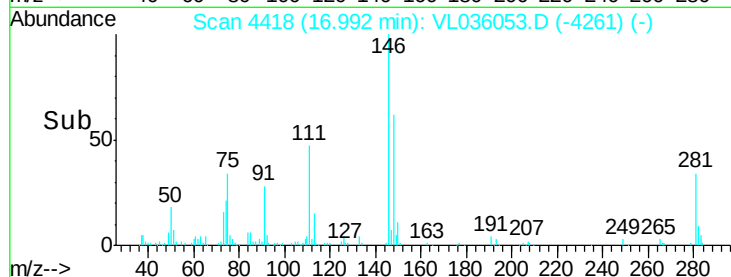
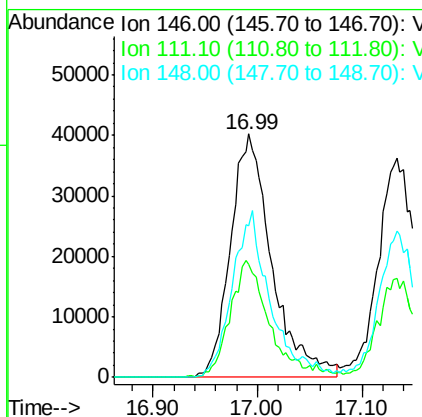
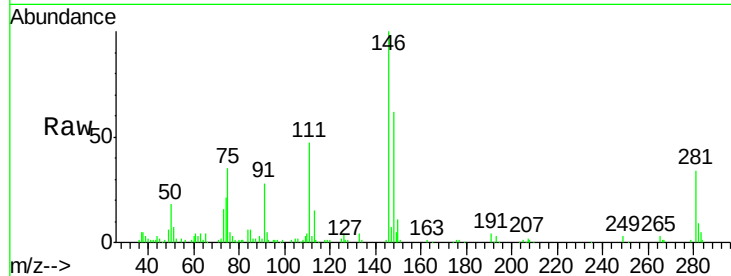
#75
 1,3-Dichlorobenzene
 Concen: 0.478 ppbv m
 RT: 16.99 min Scan# 4418
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.5	22.9	68.7
148	63.1	32.4	97.0

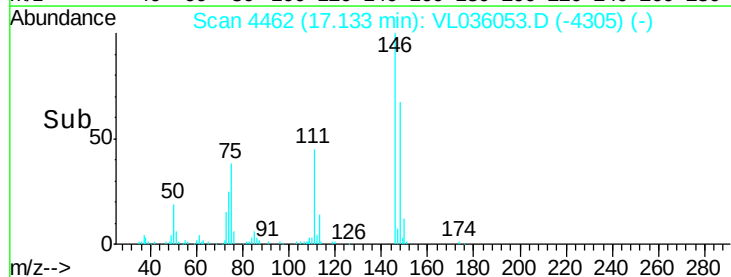
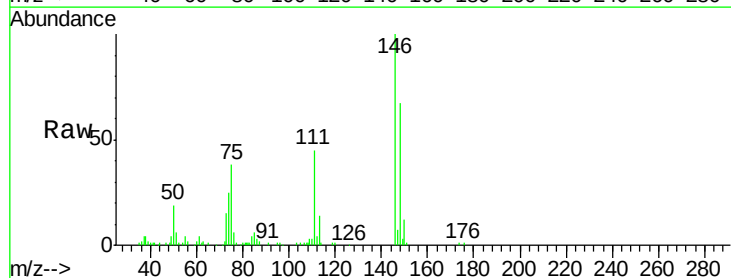
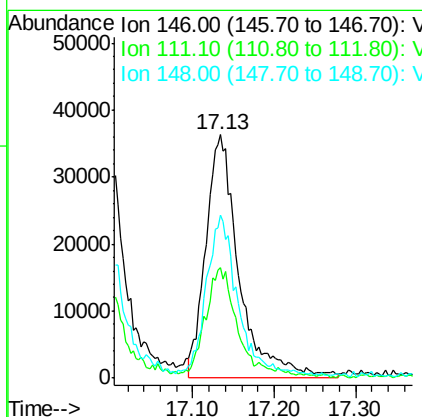
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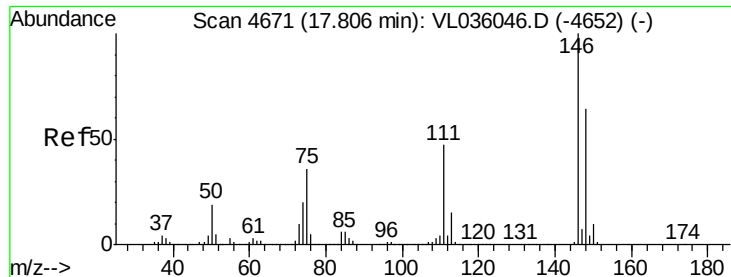
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#76
 1,4-Dichlorobenzene
 Concen: 0.474 ppbv m
 RT: 17.13 min Scan# 4462
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	22.4	67.2
148	61.4	33.0	98.9





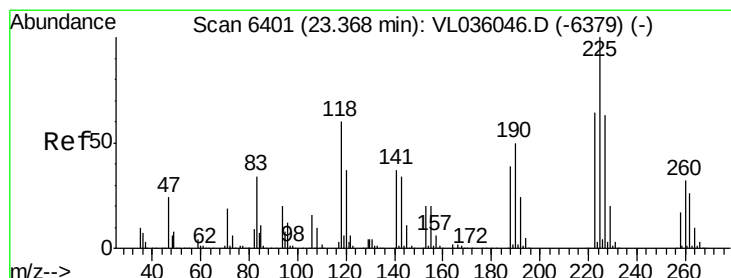
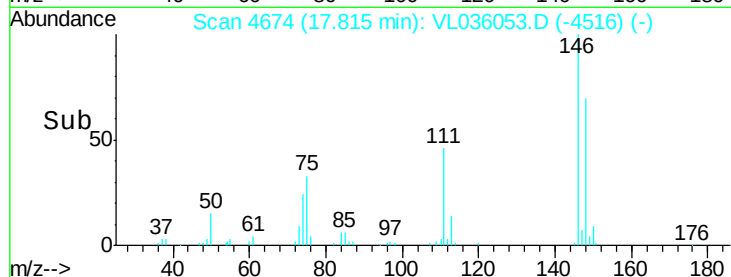
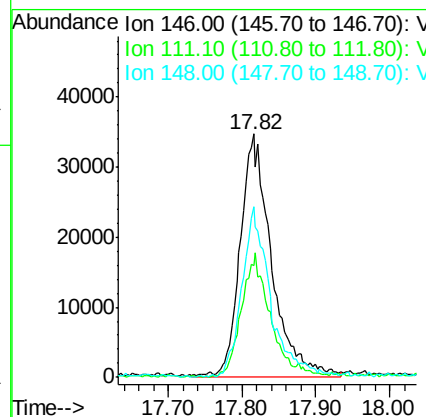
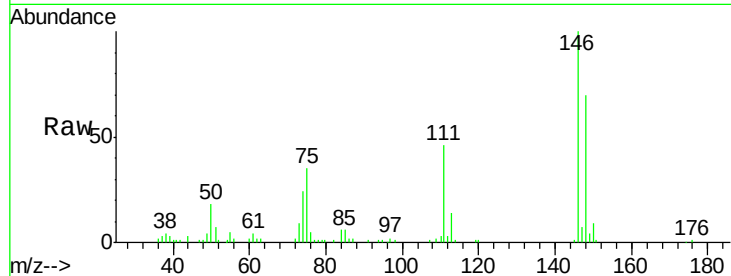
#77
 1,2-Dichlorobenzene
 Concen: 0.488 ppbv m
 RT: 17.82 min Scan# 4674
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion:	146	Resp:	103180
Ion Ratio	Lower	Upper	
146	100		
111	47.4	23.5	70.6
148	65.1	32.5	97.5

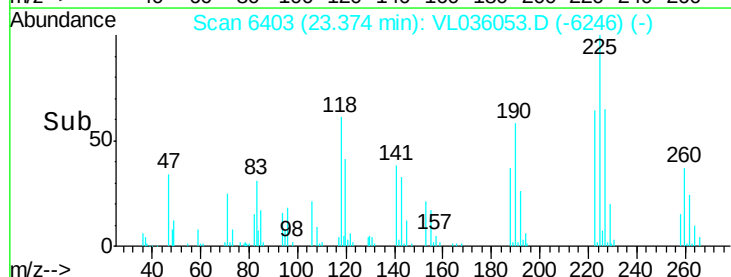
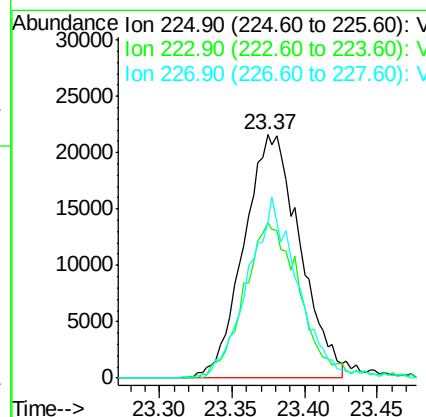
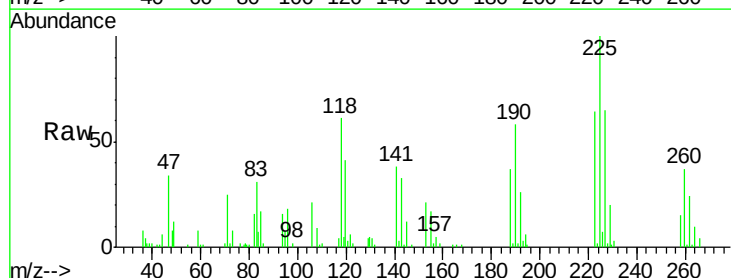
Manual Integrations
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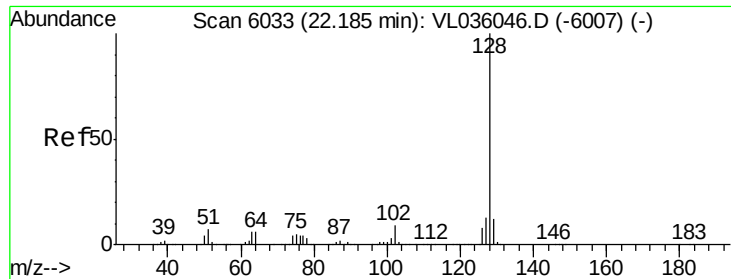
MMDadoda
 12/7/2020 12:08:31 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.499 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.01 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Tgt Ion:	225	Resp:	58082
Ion Ratio	Lower	Upper	
225	100		
223	64.7	51.0	76.4
227	66.6	51.2	76.8





#79

Naphthalene

Concen: 0.333 ppbv m

RT: 22.21 min Scan# 6040

Delta R.T. 0.02 min

Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

Instrument :

MSVOA_L

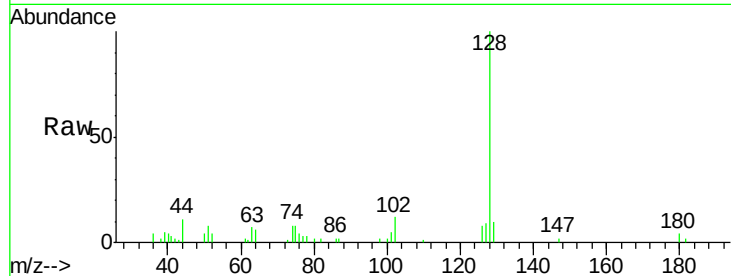
ClientSampleId :

VSTDIC0.5

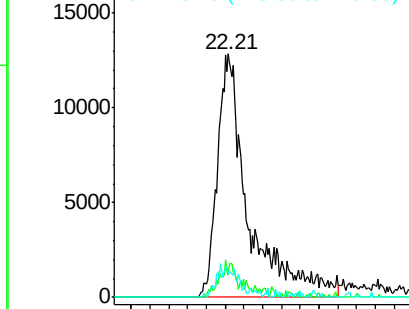
Tot Ion	Ratio	Lower	Upper
128	100		
127	9.2	10.3	15.5#
129	9.7	9.3	13.9

Manual Integrations
APPROVED

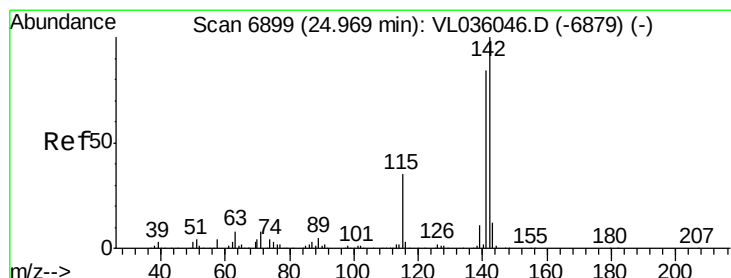
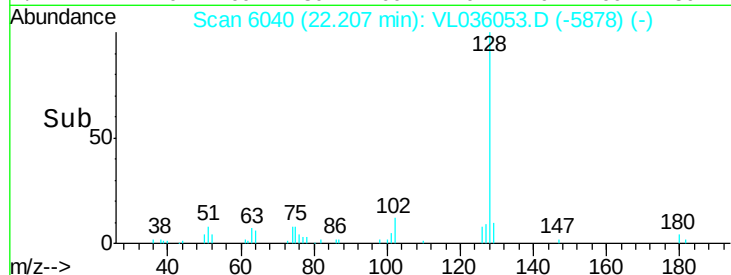
MMDadoda
12/7/2020 12:08:31 PM



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



Time--> 22.00 22.20 22.40



#80

Naphthalene, 2-methyl-

Concen: 0.280 ppbv m

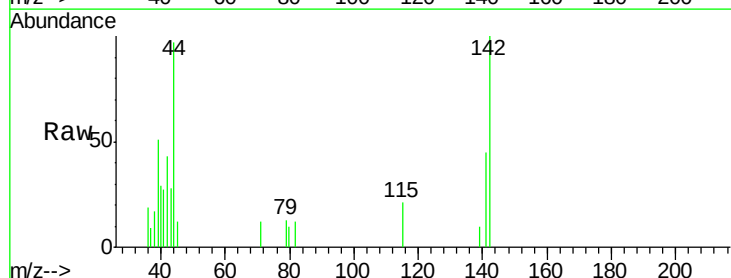
RT: 25.02 min Scan# 6915

Delta R.T. 0.05 min

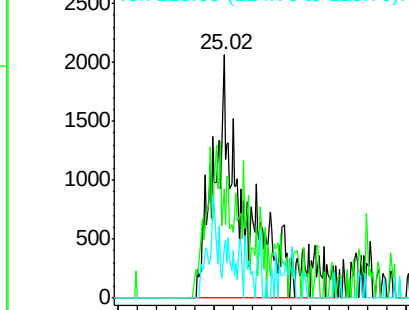
Lab File: VL036053.D

Acq: 3 Dec 2020 14:13

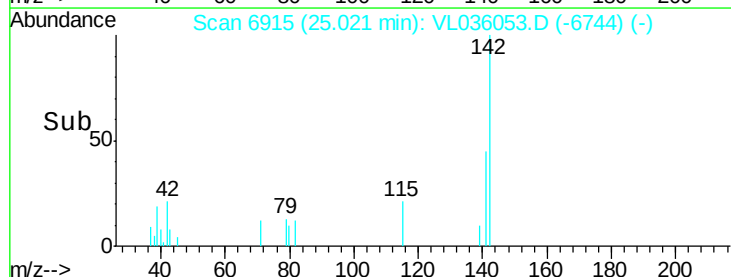
Tgt Ion	Ratio	Lower	Upper
142	100		
141	35.0	68.6	103.0#
115	6.0	27.9	41.9#

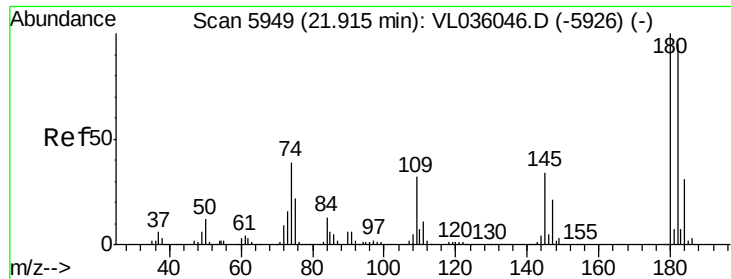


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V



Time--> 24.80 25.00 25.20





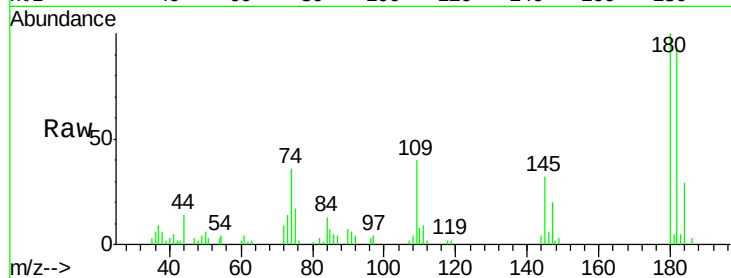
#81
 1,2,4-Trichlorobenzene
 Concen: 0.392 ppbv m
 RT: 21.94 min Scan# 5956
 Delta R.T. 0.02 min
 Lab File: VL036053.D
 Acq: 3 Dec 2020 14:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	78.5	117.7#
184	28.4	25.0	37.6

Manual Integrations
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 12/7/2020 12:08:31 PM



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

