

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120320\
 Data File : VL036046.D
 Acq On : 3 Dec 2020 9:48
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 12/7/2020 12:08:09 PM

Quant Time: Dec 03 12:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1182230	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4228211	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4044129m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3231965	11.25	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	112.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	2082432	9.356 ppbv	99
3) Chlorodifluoromethane	2.97	51	1306215	9.226 ppbv	100
4) Chloromethane	3.12	50	638096	9.278 ppbv	99
5) Vinyl Chloride	3.24	62	817326	9.322 ppbv	100
6) Bromomethane	3.46	94	670191	9.505 ppbv	100
7) Chloroethane	3.54	64	302062	9.789 ppbv	98
8) Dichlorotetrafluoroethane	3.17	85	2367162	9.293 ppbv	94
9) Propene	2.99	41	485489	9.369 ppbv	99
10) Heptane	8.11	43	1461925	10.214 ppbv	99
11) Trichlorofluoromethane	3.93	101	2687474	9.616 ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2023583	9.725 ppbv	96
13) Ethanol	3.59	45	81586	7.257 ppbv	100
14) Bromoethene	3.72	108	853870	8.916 ppbv	100
15) Acetone	3.84	43	1100088	8.704 ppbv	99
16) 1,3-Butadiene	3.31	39	528903	9.720 ppbv	99
17) tert-Butyl alcohol	4.28	59	1369353	8.175 ppbv	99
18) 1,1-Dichloroethene	4.27	96	914068	9.567 ppbv	94
19) Isopropyl Alcohol	3.95	45	604263	7.780 ppbv	# 97
20) Methylene Chloride	4.33	84	766257	8.612 ppbv	99
21) Allyl Chloride	4.39	41	670312	9.807 ppbv	98
22) trans-1,2-Dichloroethene	4.87	96	940711	9.713 ppbv	96
23) Vinyl Acetate	5.06	43	1522040	8.591 ppbv	99
24) 1,1-Dichloroethane	4.99	63	1589866	9.419 ppbv	100
25) Ethyl Acetate	5.66	43	2431318	9.765 ppbv	99
26) Hexane	5.67	57	1282807	9.342 ppbv	97
27) Carbon Disulfide	4.53	76	2066867	10.045 ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1991232	8.075 ppbv	99
29) Chloroform	5.74	83	2448996	9.074 ppbv	95
30) Cyclohexane	7.11	84	1302162	8.707 ppbv	95
31) cis-1,2-Dichloroethene	5.53	61	1265000	8.955 ppbv	95
32) 1,1,1-Trichloroethane	6.50	97	2298622	8.161 ppbv	98
34) 2-Butanone	5.23	43	1489936	10.858 ppbv	96
35) Carbon Tetrachloride	7.00	117	2313639	10.241 ppbv	99
36) Benzene	6.88	78	3044457	9.685 ppbv	99
37) 1,2-Dichloroethane	6.29	62	1519736	10.672 ppbv	98
38) Trichloroethene	7.82	130	1412111	9.197 ppbv	96
39) 1,2-Dichloropropane	7.60	63	1089219	10.292 ppbv	98
40) 1,4-Dioxane	7.82	88	407430	8.123 ppbv	# 42
41) Tetrahydrofuran	6.03	42	844990	10.839 ppbv	96
42) Bromodichloromethane	7.78	83	2510776	10.449 ppbv	99
43) Methyl Methacrylate	8.00	69	1247742	10.407 ppbv	94

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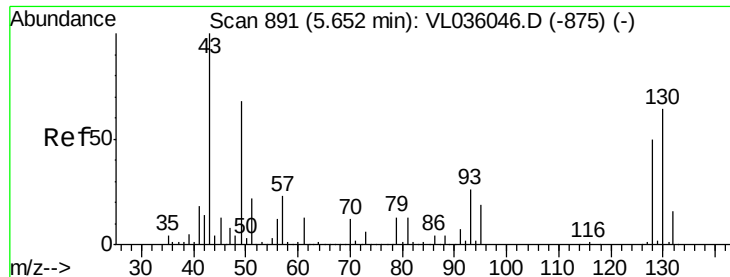
Manual Integrations
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Quant Time: Dec 03 12:00:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	4405180	10.590	ppbv	98
45) t-1,3-Dichloropropene	9.27	75	1291301	10.159	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1637814	10.175	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1424337	9.877	ppbv	96
48) Dibromochloromethane	10.29	129	2242006	10.177	ppbv	100
49) Bromoform	13.03	173	1756481	9.449	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2427559	11.569	ppbv	97
51) 2-Hexanone	10.12	43	1924183	11.415	ppbv #	96
52) Tetrachloroethene	11.21	164	1231676	8.271	ppbv	97
53) Toluene	9.79	91	3689269	9.727	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2115509	9.646	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.11	131	1751730	9.651	ppbv	98
57) Chlorobenzene	12.13	112	2958144	9.200	ppbv	98
58) Ethyl Benzene	12.70	91	4726124	9.595	ppbv	97
59) m/p-Xylene	12.98	91	8159291m	19.580	ppbv	
60) o-Xylene	13.68	91	3998198	9.863	ppbv	98
61) Styrene	13.52	104	2756287	9.280	ppbv	99
62) Isopropylbenzene	14.66	105	5816678	9.129	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2853299	9.084	ppbv	99
64) n-propylbenzene	15.55	120	1649299	8.955	ppbv	89
65) tert-Butylbenzene	16.73	119	5032344	8.677	ppbv	98
66) Benzyl Chloride	16.98	91	1434006	7.481	ppbv	96
67) sec-Butylbenzene	17.28	105	6802675	8.704	ppbv	97
69) p-Isopropyltoluene	17.64	119	5433942	8.425	ppbv	99
70) n-Butylbenzene	18.54	91	5349111	8.612	ppbv	98
71) 2-Chlorotoluene	15.44	91	4277490	9.178	ppbv	96
72) 4-Ethyltoluene	15.83	105	4491991	9.136	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4112510	9.140	ppbv	97
74) 1,2,4-Trimethylbenzene	16.75	105	4315639	8.952	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2496003	8.131	ppbv	98
76) 1,4-Dichlorobenzene	17.13	146	2400897	8.108	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2291244	7.657	ppbv	98
78) Hexachloro-1,3-Butadiene	23.37	225	1235236	8.847	ppbv	100
79) Naphthalene	22.18	128	2638832	7.852	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	695211	12.693	ppbv	99
81) 1,2,4-Trichlorobenzene	21.91	180	1556756	8.291	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

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VSTDICCC010

Tot Ion: 49 Resp: 1182230

Ion Ratio Lower Upper

49 100

128 76.5 41.5 124.6

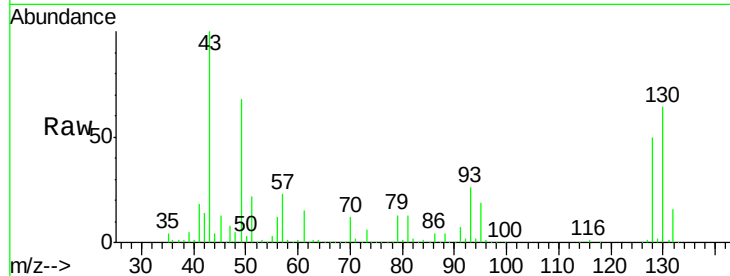
130 98.3 53.7 161.1

Manual Integrations

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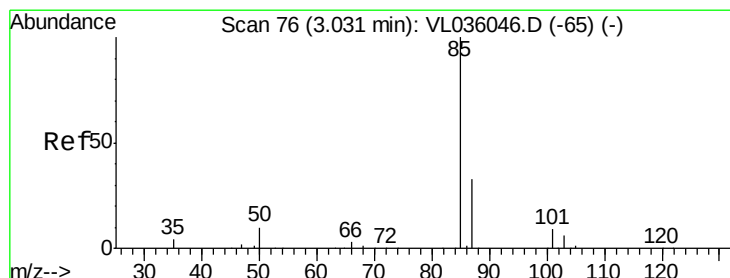
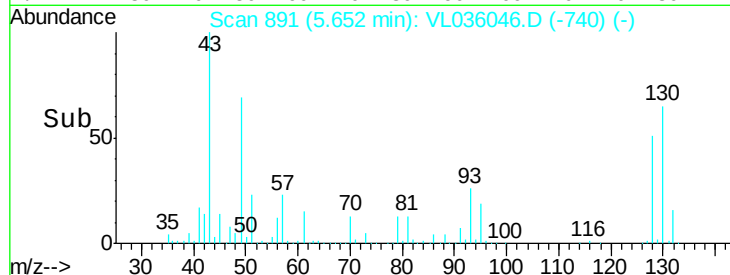
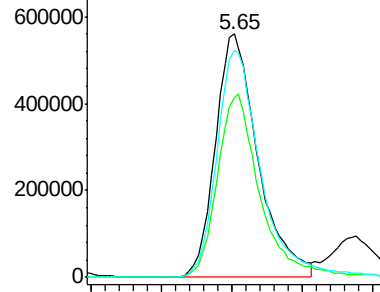
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.356 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL036046.D

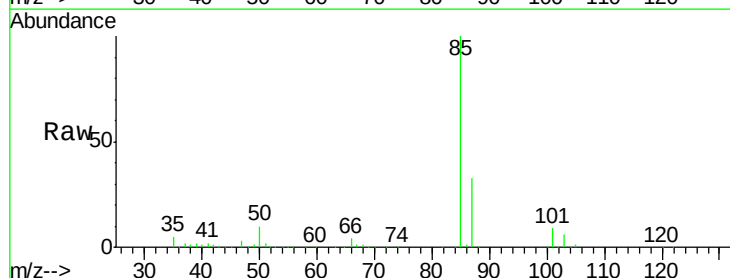
Acq: 3 Dec 2020 9:48

Tgt Ion: 85 Resp: 2082432

Ion Ratio Lower Upper

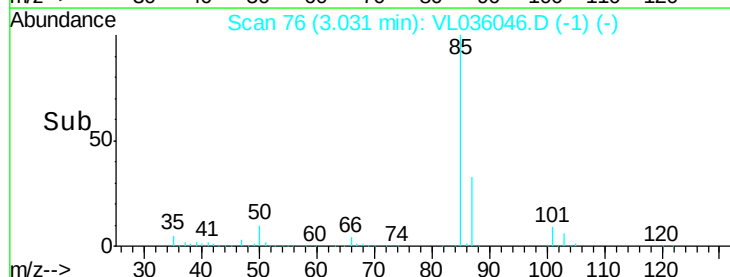
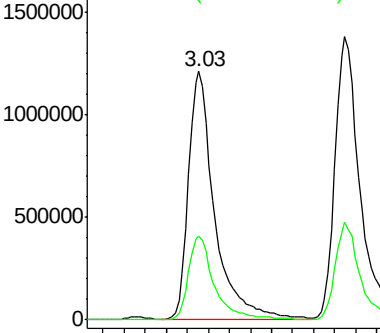
85 100

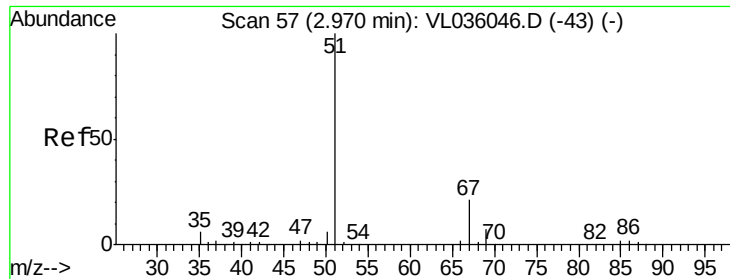
87 33.5 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.226 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Tot Ion: 51 Resp: 1306215

Ion Ratio Lower Upper

51 100

67 21.1 17.0 25.4

Instrument :

MSVOA_L

ClientSampleId :

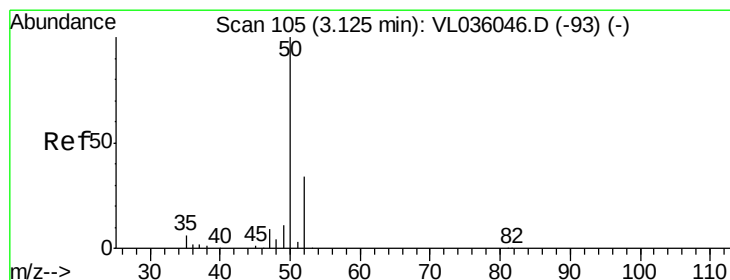
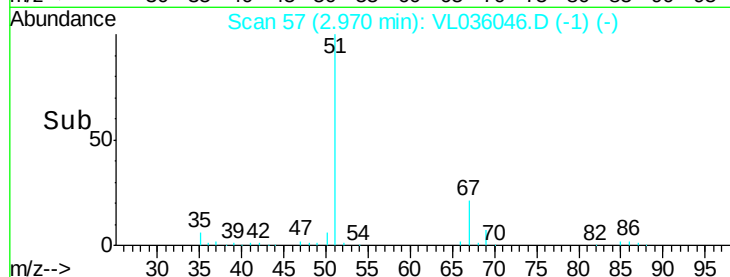
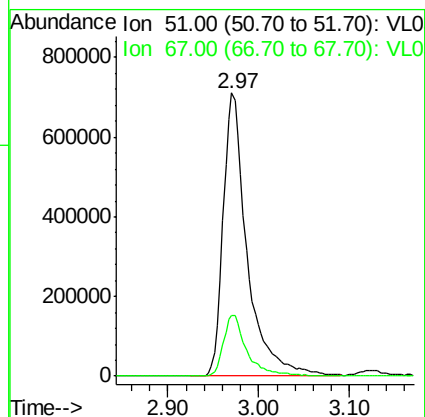
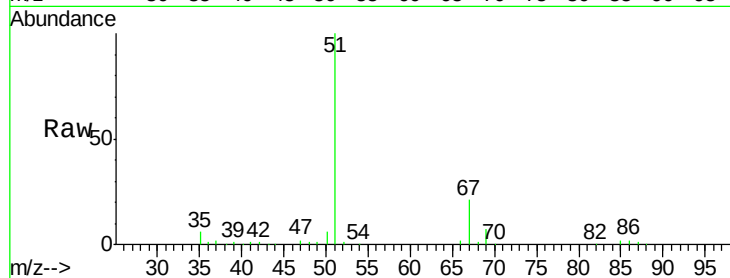
VSTDICCC010

Manual Integrations

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#4

Chloromethane

Concen: 9.278 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL036046.D

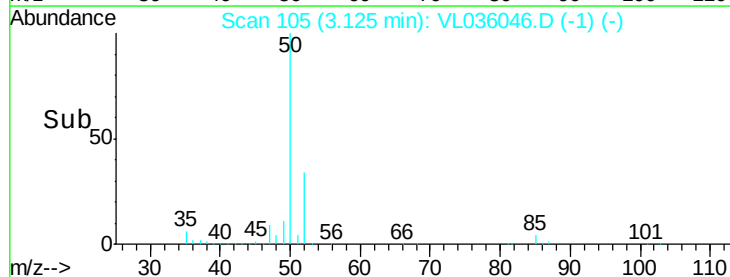
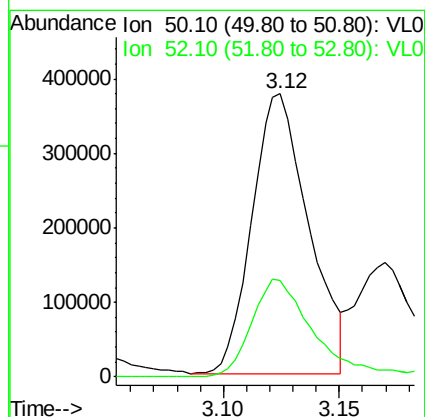
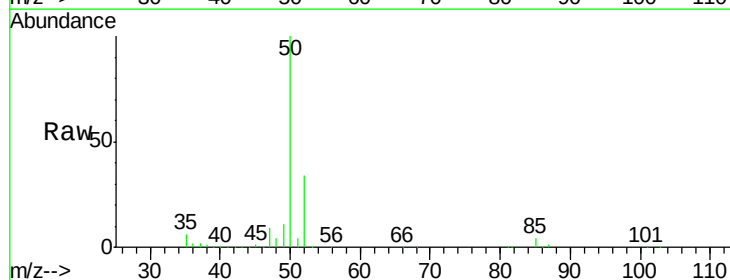
Acq: 3 Dec 2020 9:48

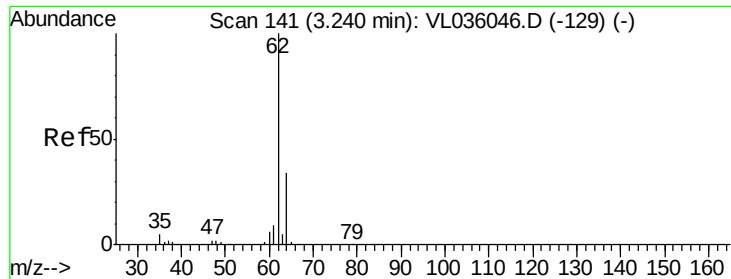
Tgt Ion: 50 Resp: 638096

Ion Ratio Lower Upper

50 100

52 34.5 27.1 40.7





#5

Vinyl Chloride

Concen: 9.322 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.01 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 817326

Ion Ratio Lower Upper

62 100

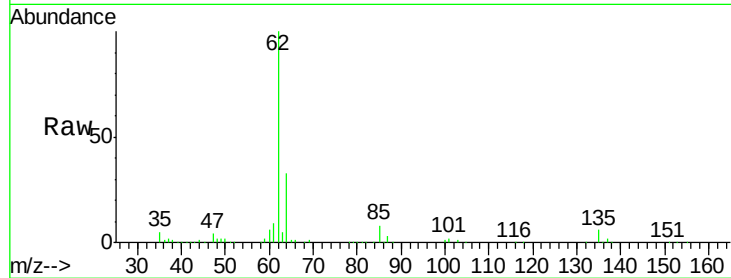
64 33.5 26.9 40.3

Manual Integrations

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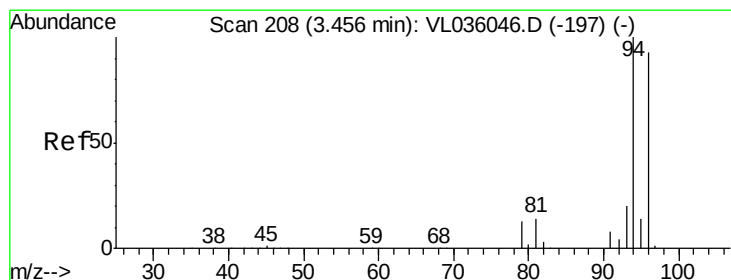
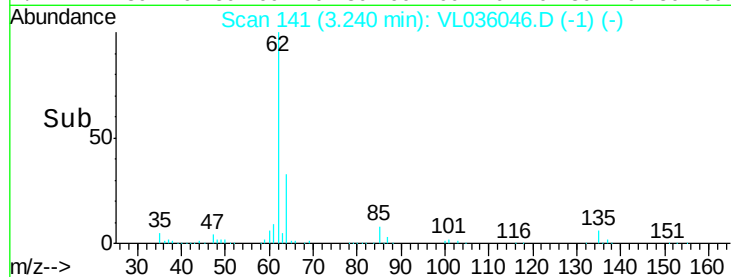
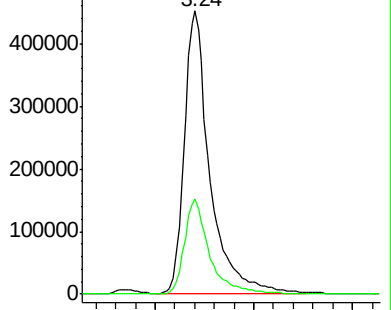
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.505 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.02 min

Lab File: VL036046.D

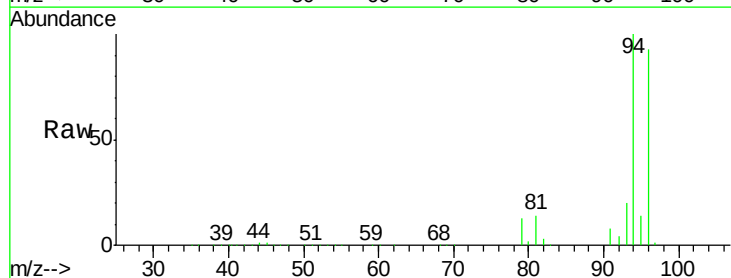
Acq: 3 Dec 2020 9:48

Tgt Ion: 94 Resp: 670191

Ion Ratio Lower Upper

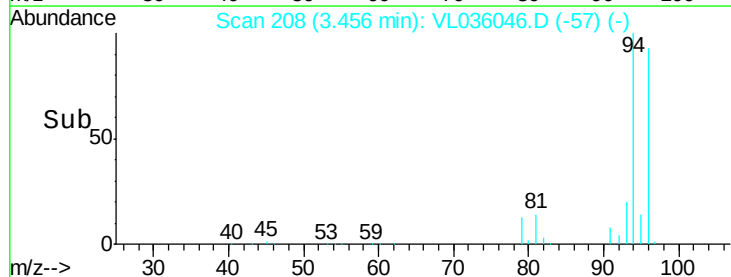
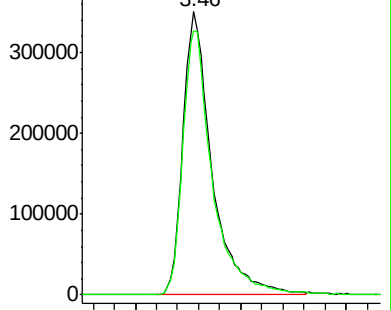
94 100

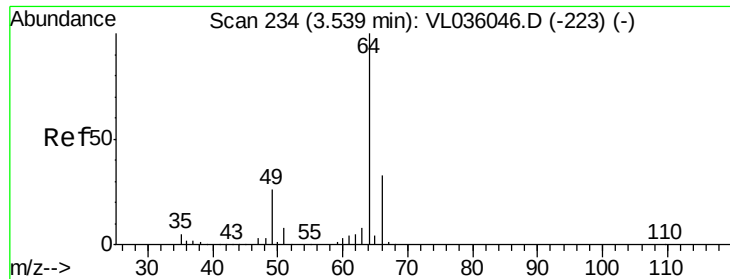
96 93.5 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.789 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 302062

Ion Ratio Lower Upper

64 100

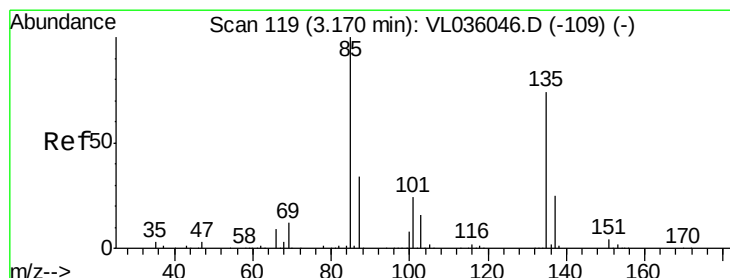
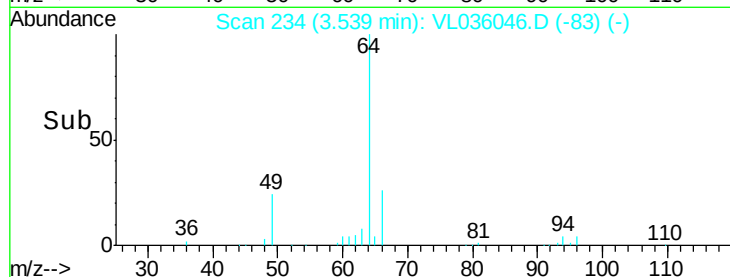
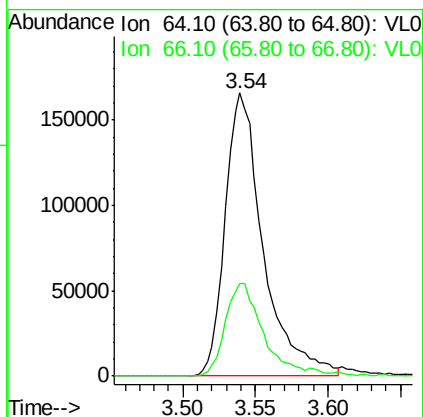
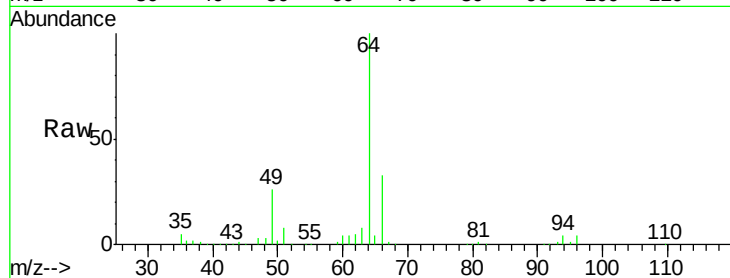
66 32.6 27.0 40.6

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#8

Dichlorotetrafluoroethane

Concen: 9.293 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036046.D

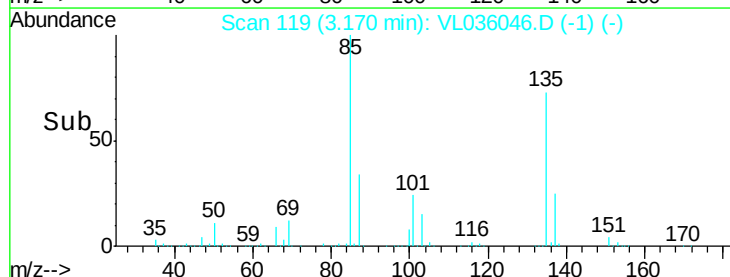
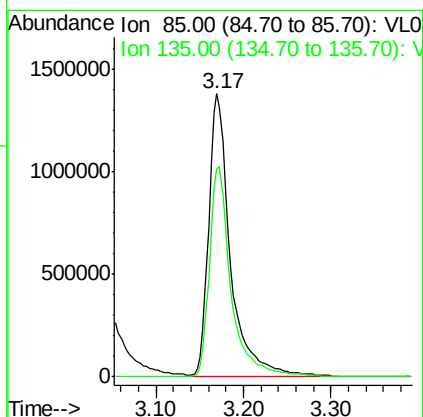
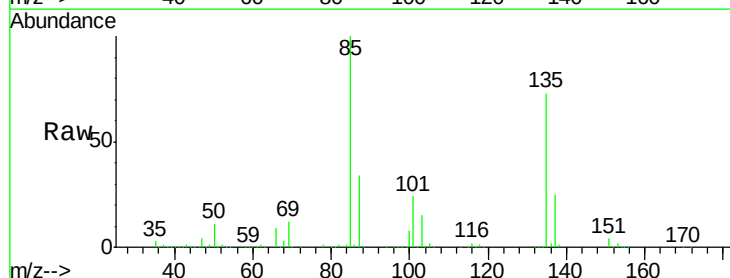
Acq: 3 Dec 2020 9:48

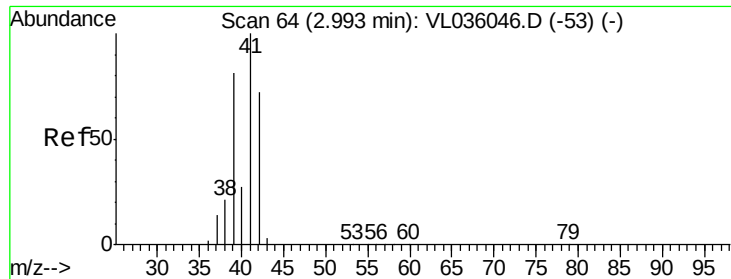
Tgt Ion: 85 Resp: 2367162

Ion Ratio Lower Upper

85 100

135 75.2 64.6 96.8





#9

Propene

Concen: 9.369 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 485489

Ion Ratio Lower Upper

41 100

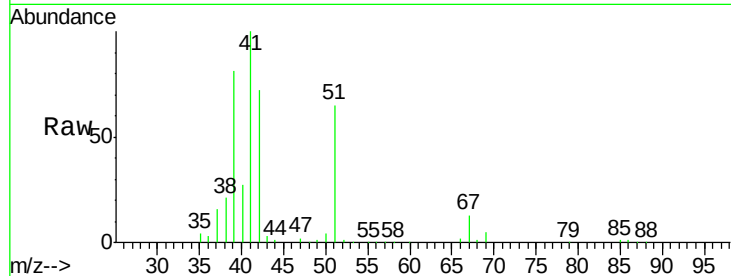
42 71.1 56.2 84.4

Manual Integrations

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

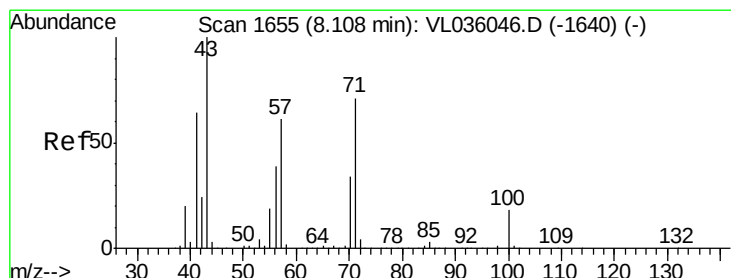
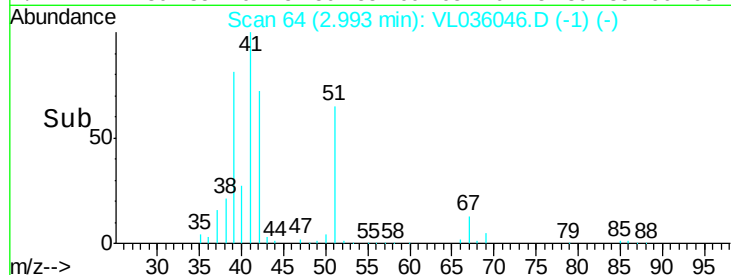
300000

200000

100000

0

Time-->



#10

Heptane

Concen: 10.214 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL036046.D

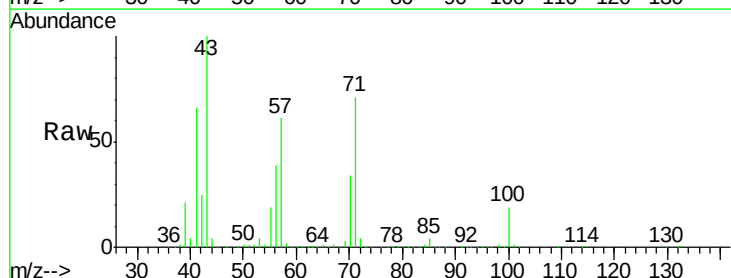
Acq: 3 Dec 2020 9:48

Tgt Ion: 43 Resp: 1461925

Ion Ratio Lower Upper

43 100

57 61.5 50.0 75.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.11

800000

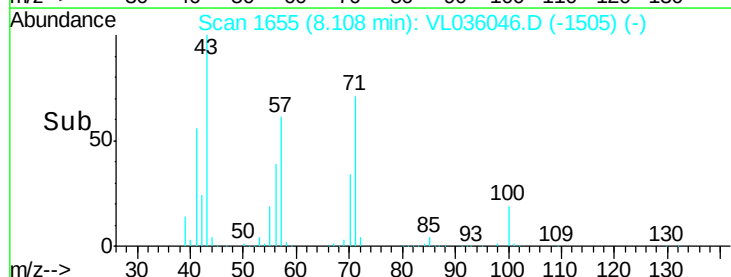
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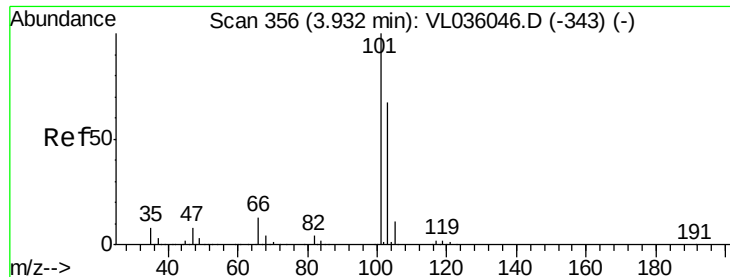
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200000

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Time-->





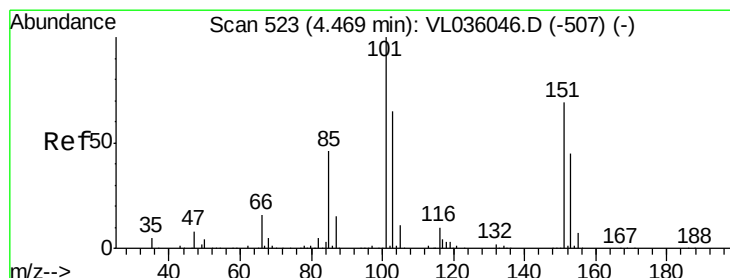
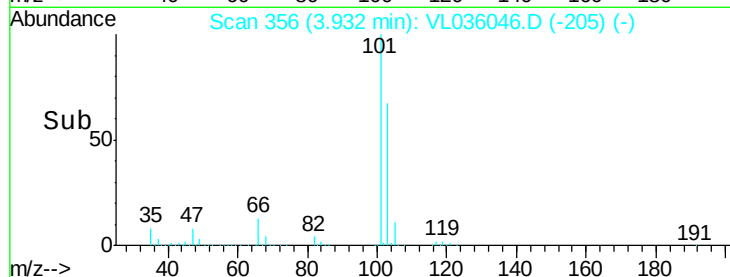
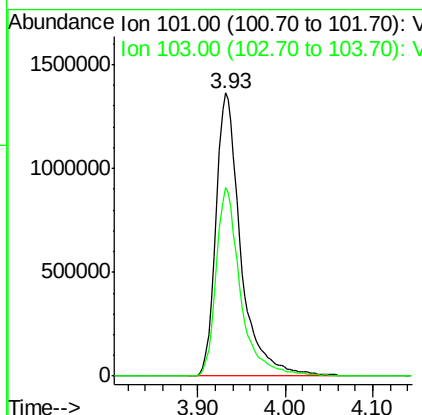
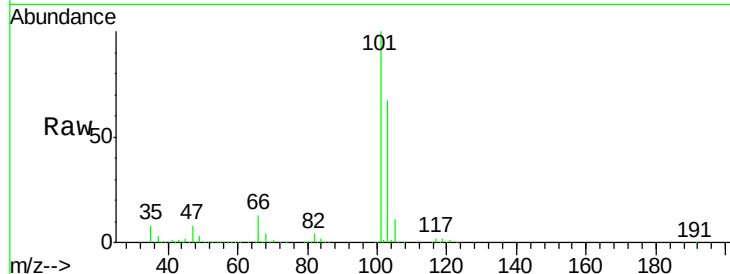
#11
 Trichlorofluoromethane
 Concen: 9.616 ppbv
 RT: 3.93 min Scan# 356
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2687474
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.0 79.4

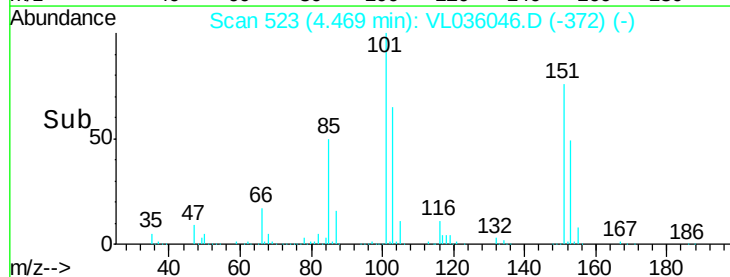
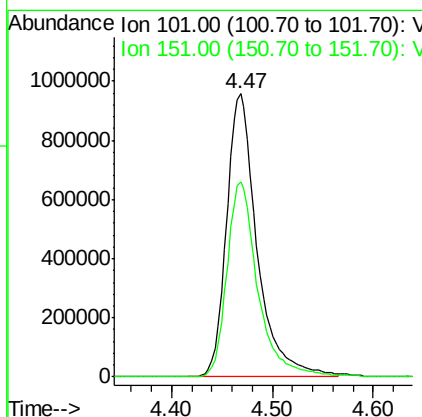
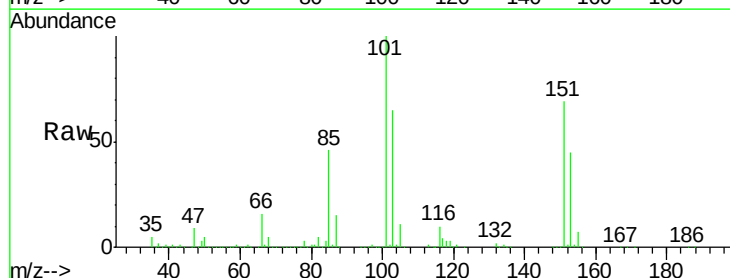
Manual Integrations
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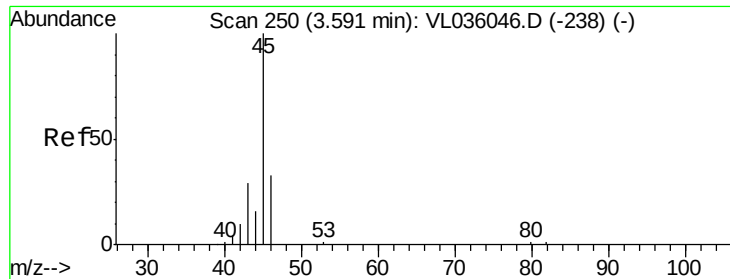
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.725 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion:101 Resp: 2023583
 Ion Ratio Lower Upper
 101 100
 151 70.1 58.9 88.3





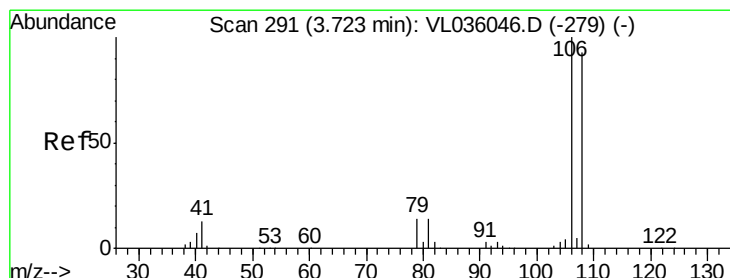
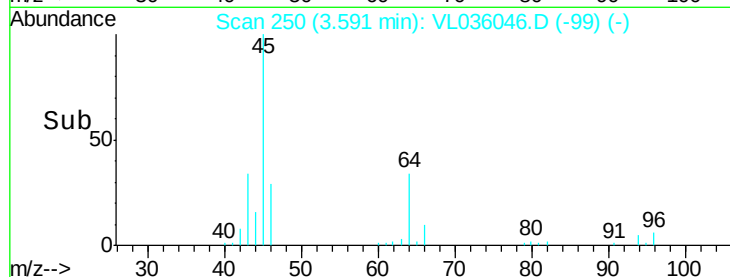
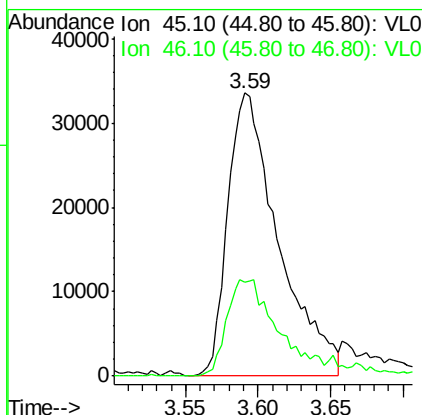
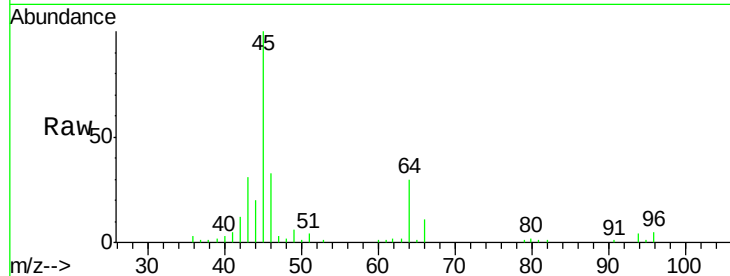
#13
Ethanol
Concen: 7.257 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 45 Resp: 81586
Ion Ratio Lower Upper
45 100
46 40.1 16.1 64.5

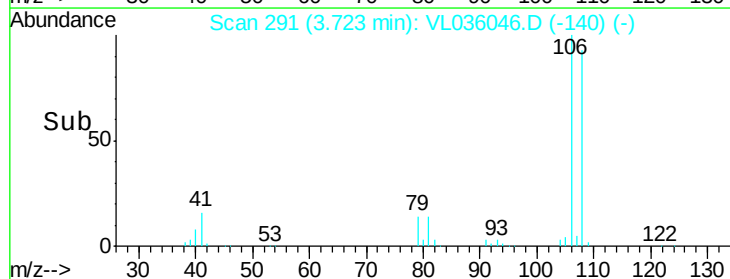
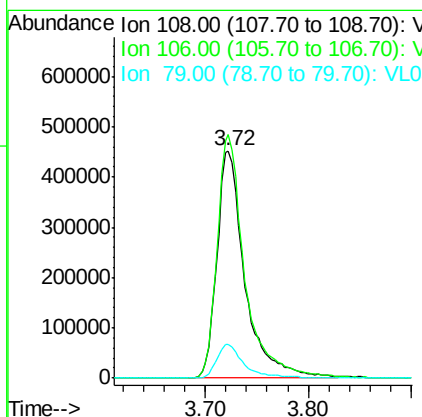
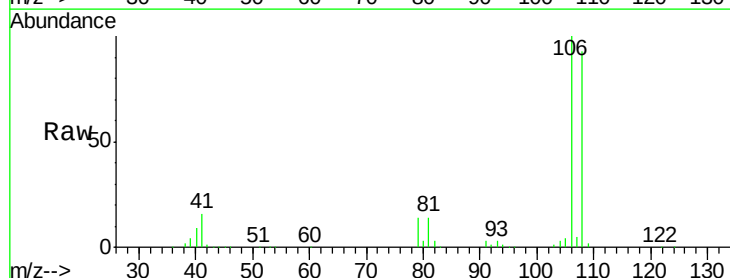
Manual Integrations
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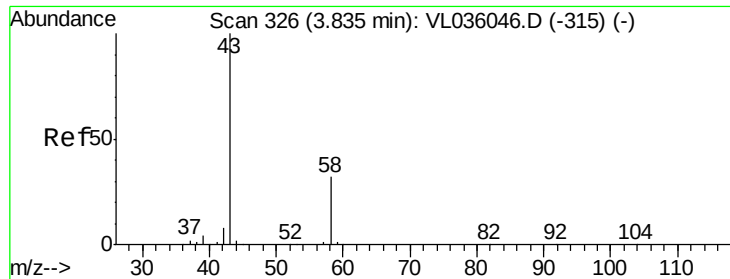
MMDadoda
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#14
Bromoethene
Concen: 8.916 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 108 Resp: 853870
Ion Ratio Lower Upper
108 100
106 106.2 85.3 127.9
79 14.9 11.6 17.4





#15

Acetone

Concen: 8.704 ppbv

RT: 3.84 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1100088

Ion Ratio Lower Upper

43 100

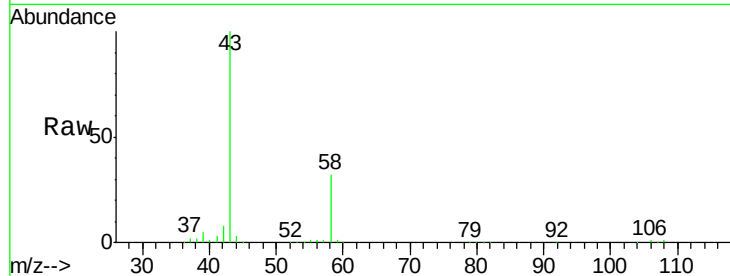
58 33.8 27.5 41.3

Manual Integrations

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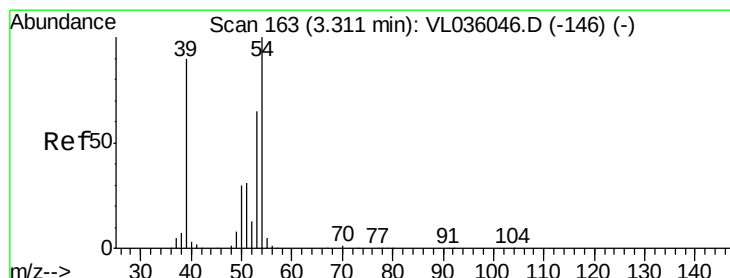
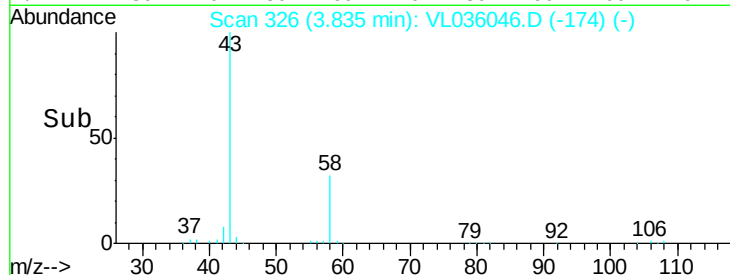
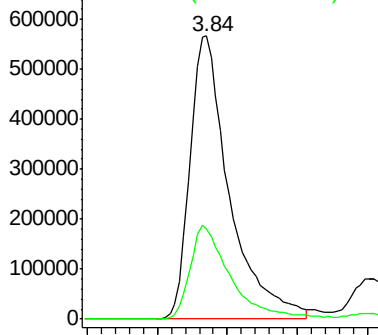
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.720 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL036046.D

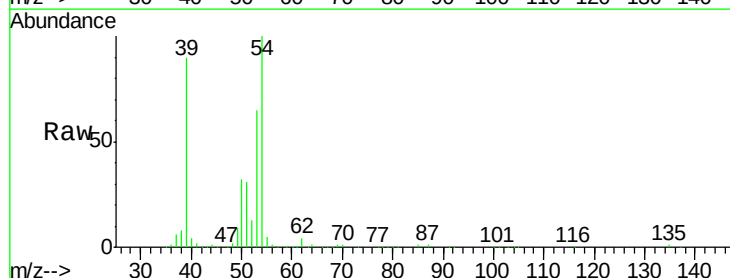
Acq: 3 Dec 2020 9:48

Tgt Ion: 39 Resp: 528903

Ion Ratio Lower Upper

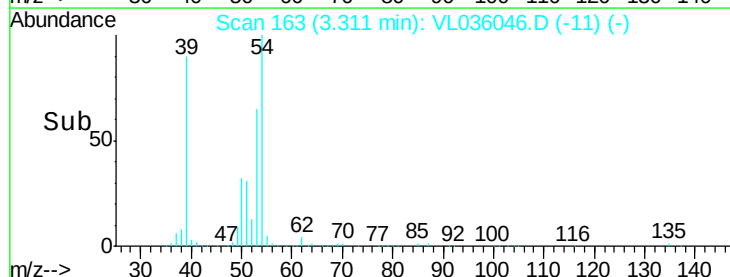
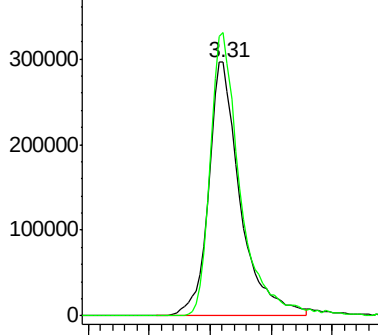
39 100

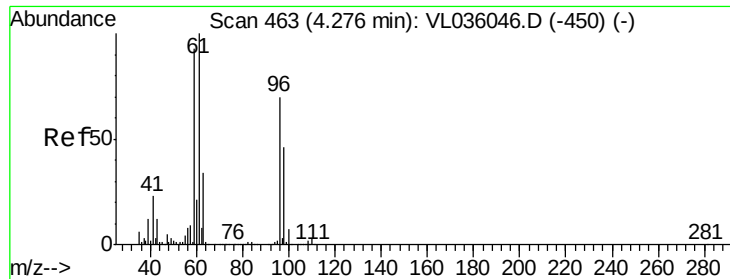
54 107.6 87.1 130.7



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

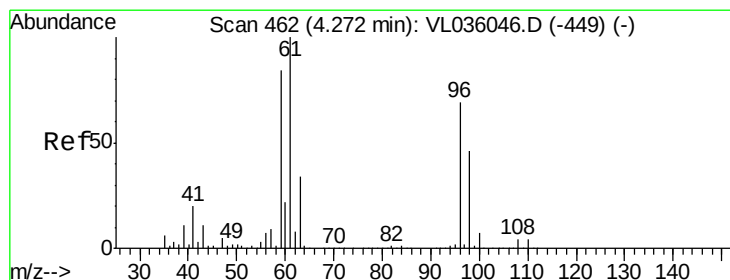
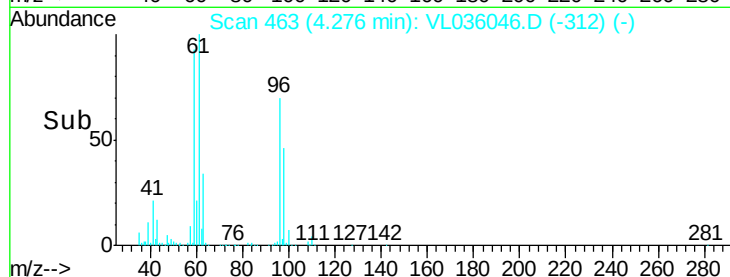
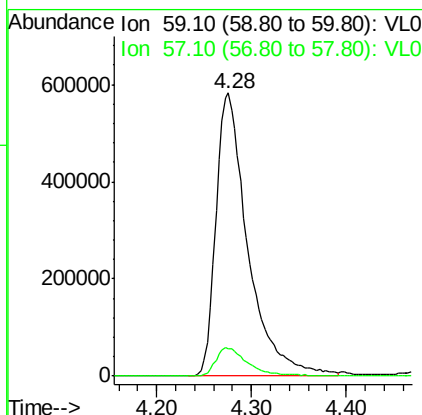
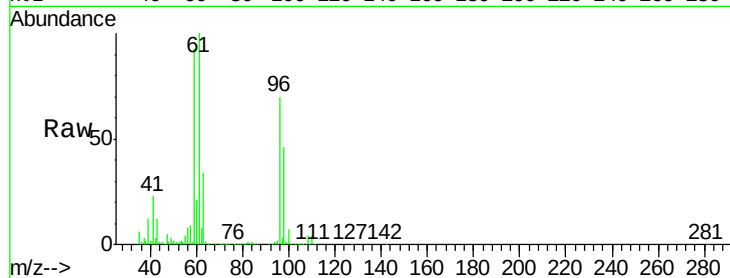
tert-Butyl alcohol
Concen: 8.175 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1369353
Ion Ratio Lower Upper
59 100
57 10.5 8.2 12.4

Manual Integrations
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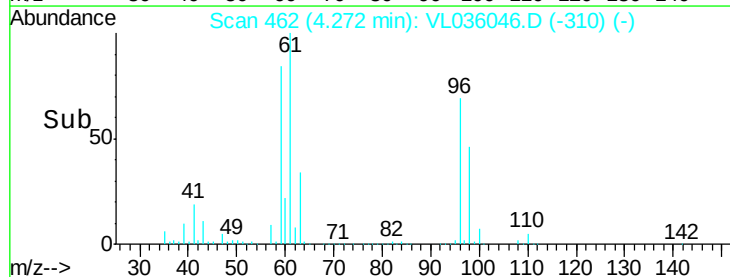
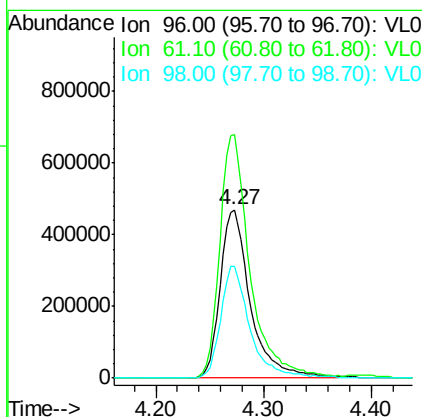
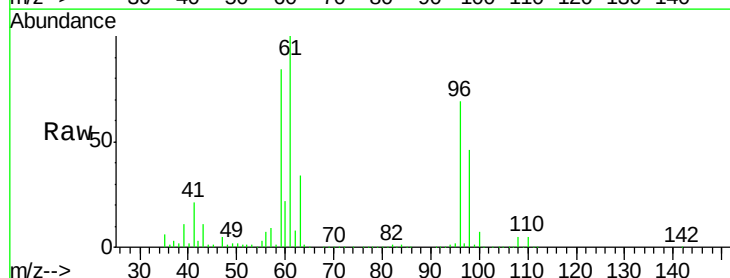
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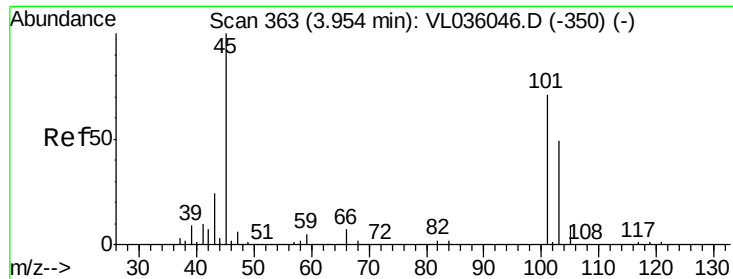


#18

1,1-Dichloroethene
Concen: 9.567 ppbv
RT: 4.27 min Scan# 462
Delta R.T. -0.01 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 96 Resp: 914068
Ion Ratio Lower Upper
96 100
61 144.7 108.5 162.7
98 66.4 50.7 76.1





#19

Isopropyl Alcohol

Concen: 7.780 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 604263

Ion Ratio Lower Upper

45 100

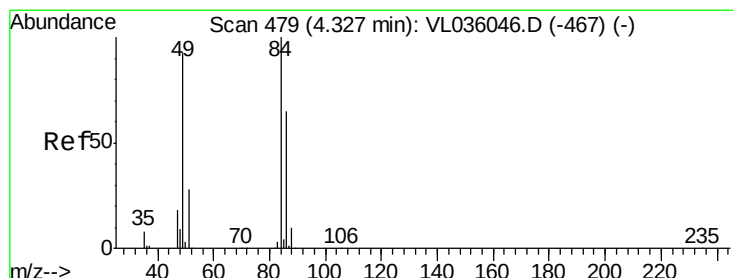
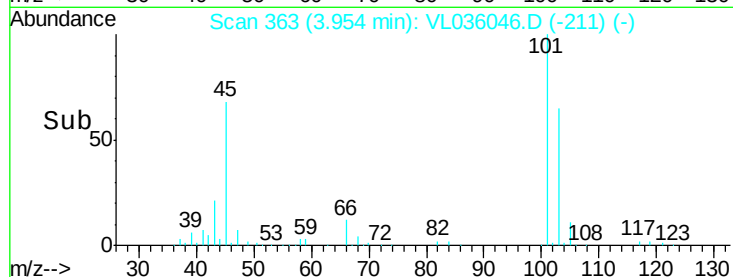
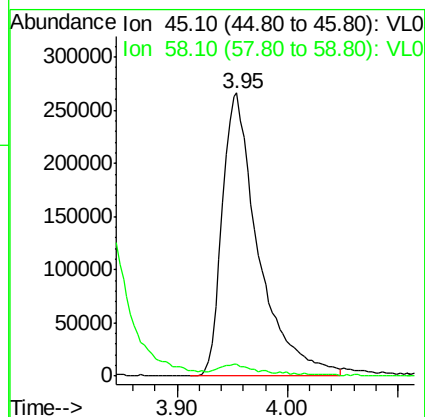
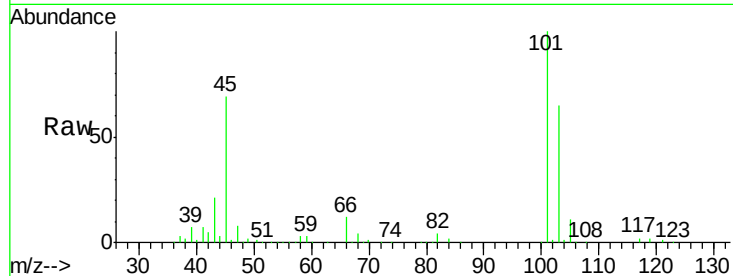
58 4.2 2.6 3.8#

Manual Integrations

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#20

Methylene Chloride

Concen: 8.612 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Tgt Ion: 84 Resp: 766257

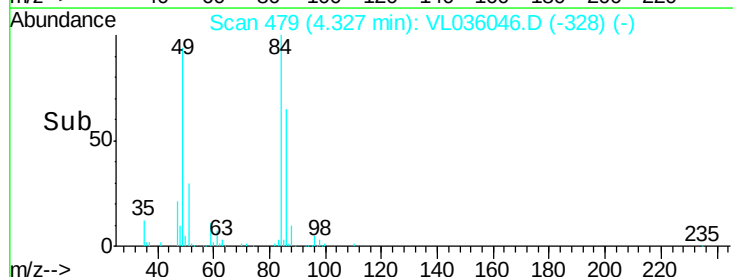
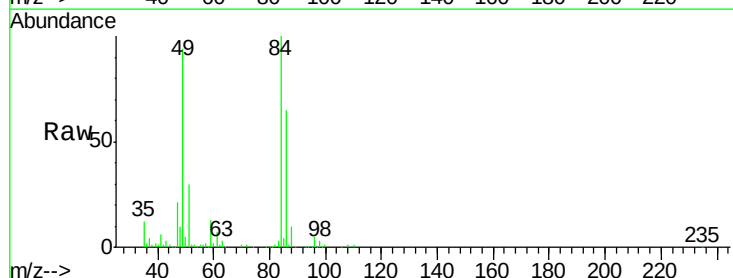
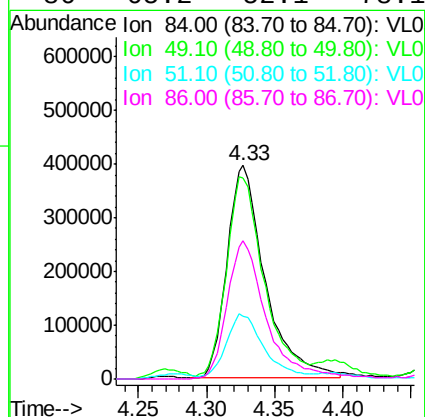
Ion Ratio Lower Upper

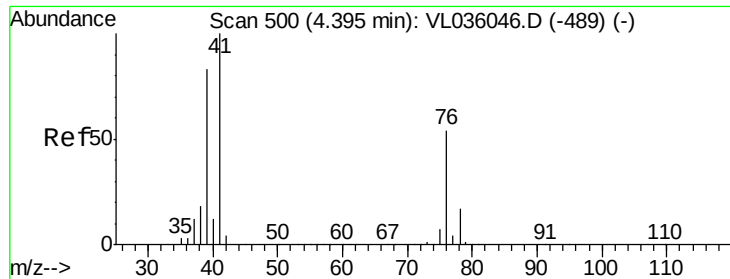
84 100

49 93.0 73.8 110.8

51 28.1 23.0 34.4

86 65.2 52.1 78.1





#21

Allvl Chloride

Concen: 9.807 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

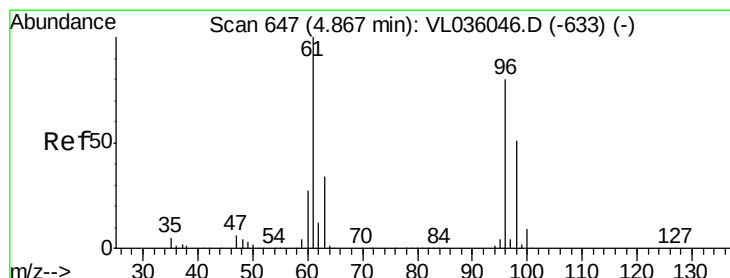
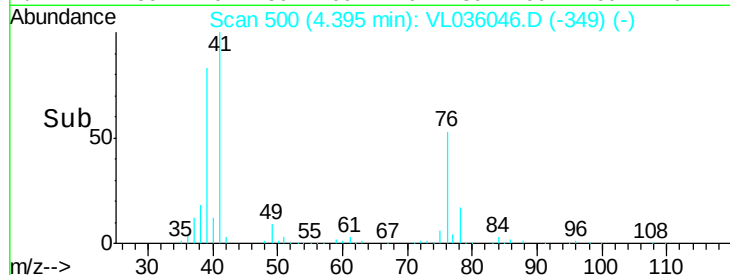
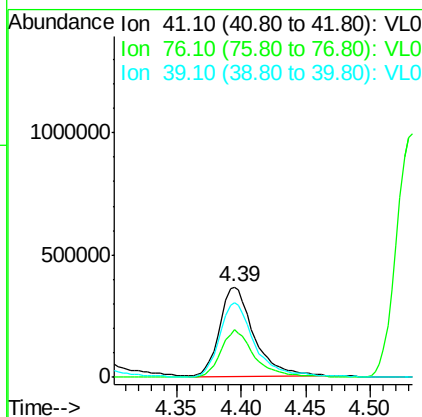
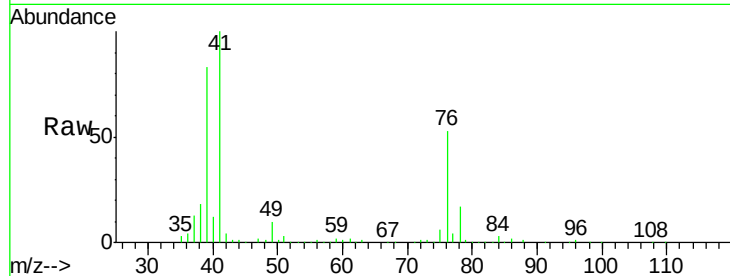
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	670312
Ion	Ratio	Lower	Upper
41	100		
76	53.0	42.6	63.8
39	86.3	67.0	100.4

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#22

trans-1,2-Dichloroethene

Concen: 9.713 ppbv

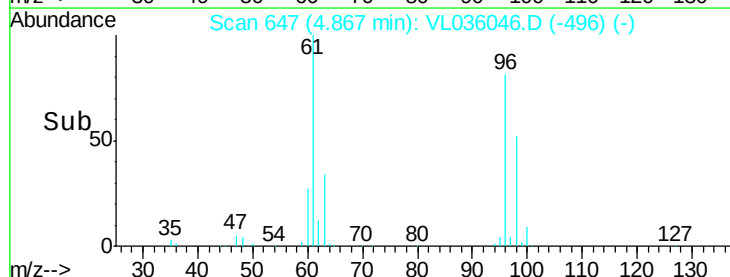
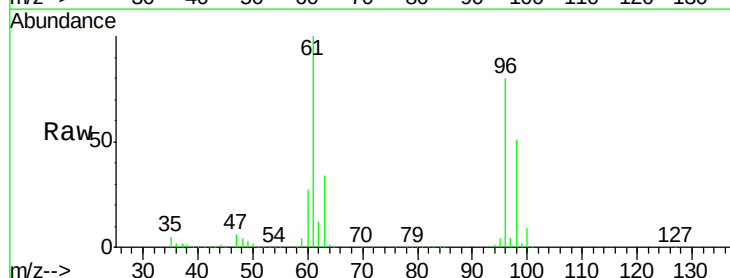
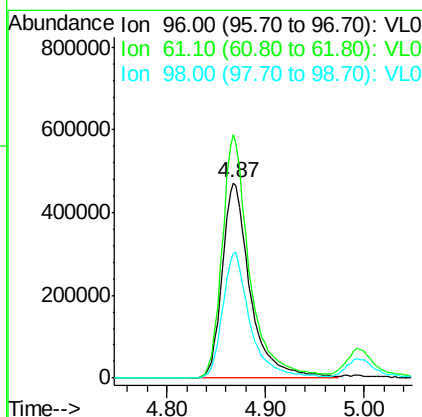
RT: 4.87 min Scan# 647

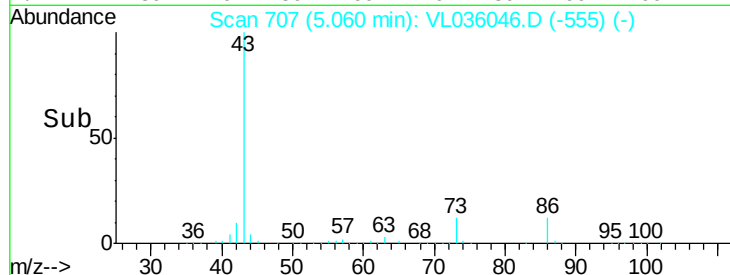
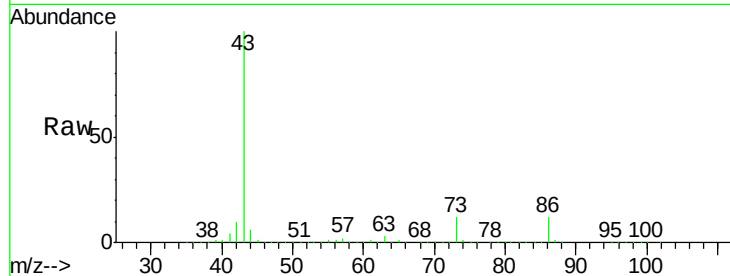
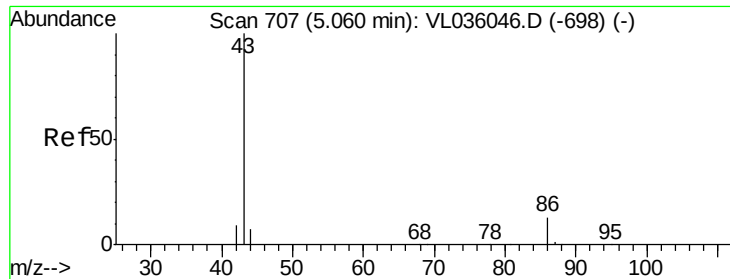
Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Tgt Ion:	96	Resp:	940711
Ion	Ratio	Lower	Upper
96	100		
61	124.7	95.4	143.0
98	63.9	51.8	77.6





#23
Vinyl Acetate
Concen: 8.591 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.01 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

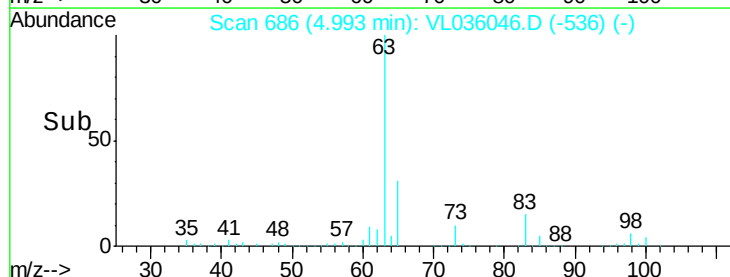
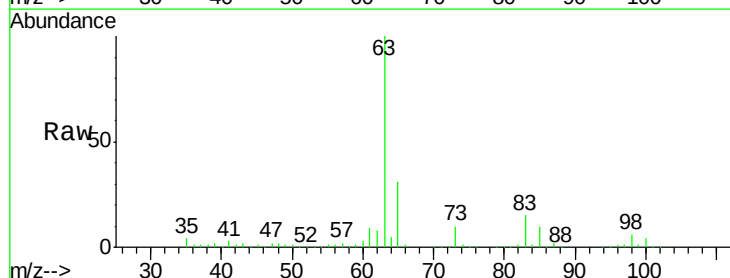
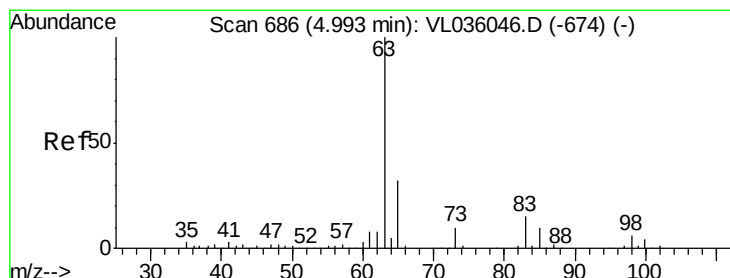
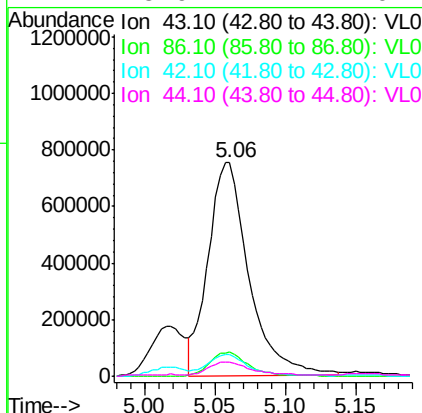
Tot Ion: 43 Resp: 1522040

Ion	Ratio	Lower	Upper
43	100		
86	11.6	9.8	14.6
42	10.1	8.1	12.1
44	5.9	4.2	6.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Manual Integrations
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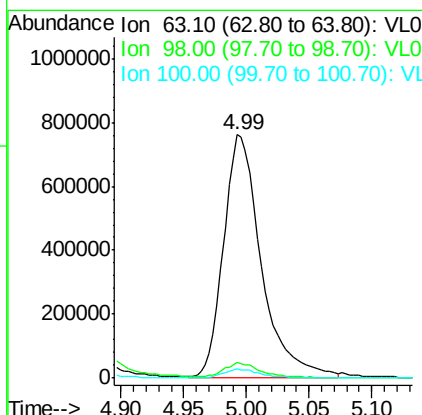
MMDadoda
12/7/2020 12:08:09 PM

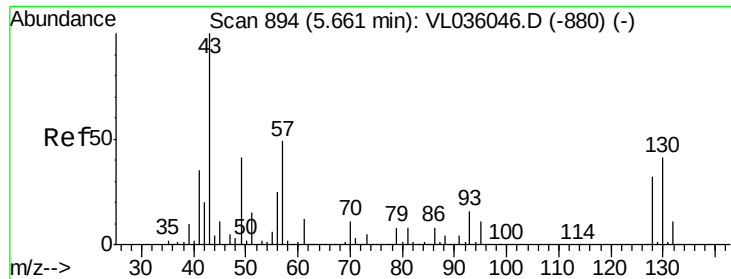


#24
1,1-Dichloroethane
Concen: 9.419 ppbv
RT: 4.99 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 63 Resp: 1589866

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.0	9.2
100	3.8	1.8	5.4





#25

Ethyl Acetate

Concen: 9.765 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2431318

Ion Ratio Lower Upper

43 100

45 10.8 8.5 12.7

61 13.3 10.7 16.1

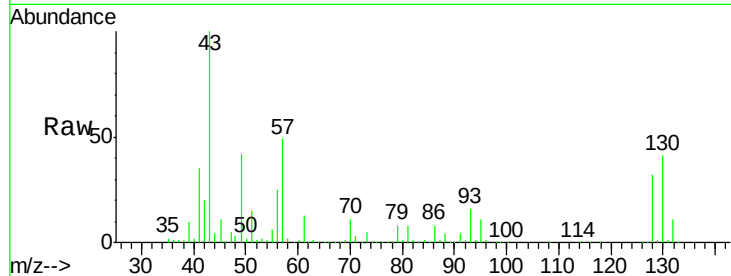
70 10.1 8.6 12.8

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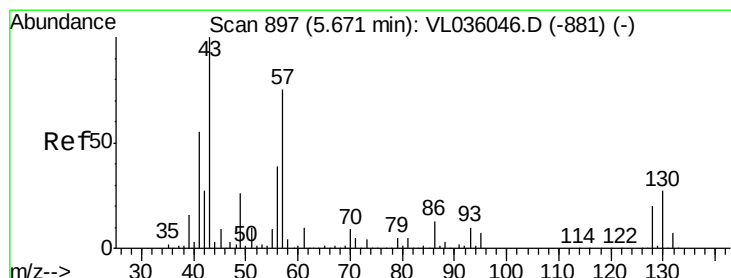
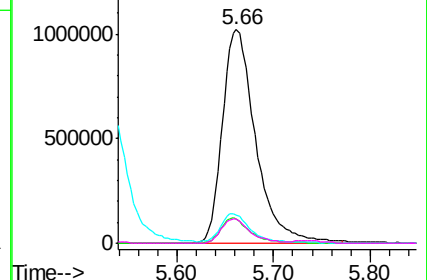
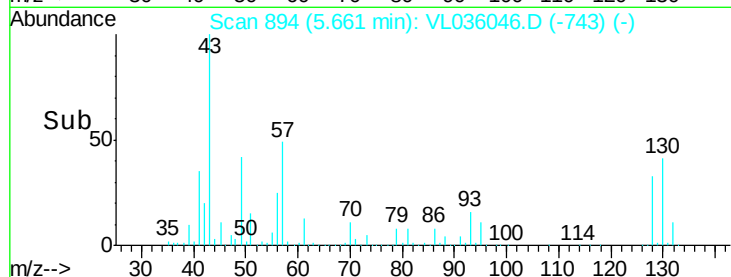
Abundance

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: 9.342 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Tgt Ion: 57 Resp: 1282807

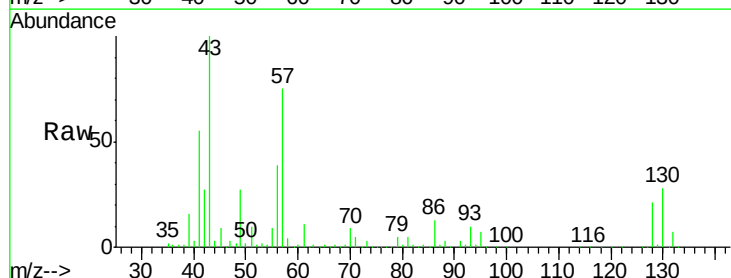
Ion Ratio Lower Upper

57 100

41 77.0 58.9 88.3

43 191.1 150.2 225.2

56 53.8 42.4 63.6



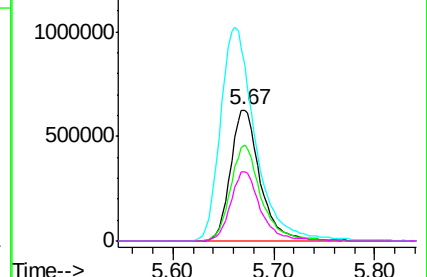
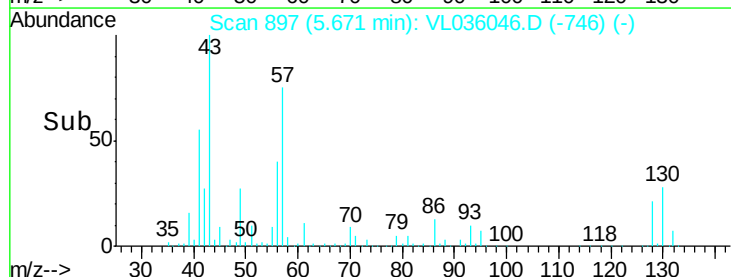
Abundance

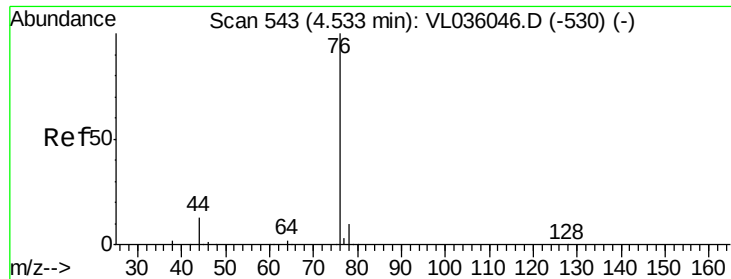
Ion 57.10 (56.80 to 57.80): VL0

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: 10.045 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 76 Resp: 2066867

Ion Ratio Lower Upper

76 100

44 12.0 9.9 14.9

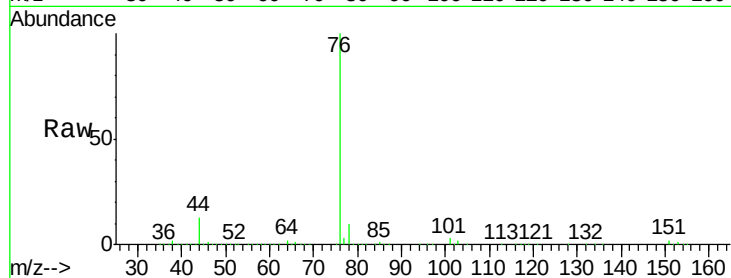
78 9.6 8.1 12.1

Manual Integrations

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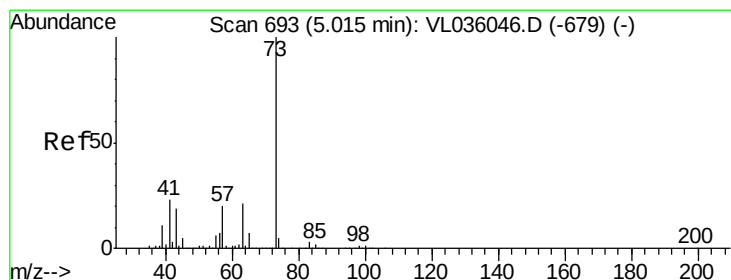
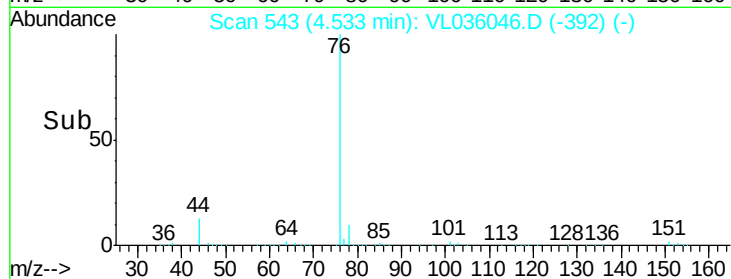
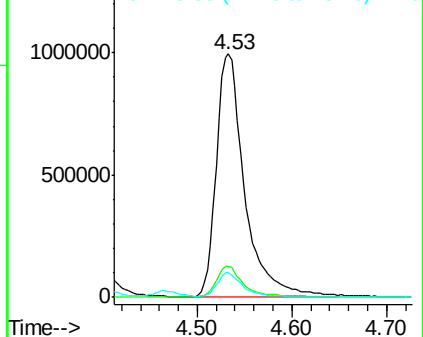
12/7/2020 12:08:09 PM



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: 8.075 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.02 min

Lab File: VL036046.D

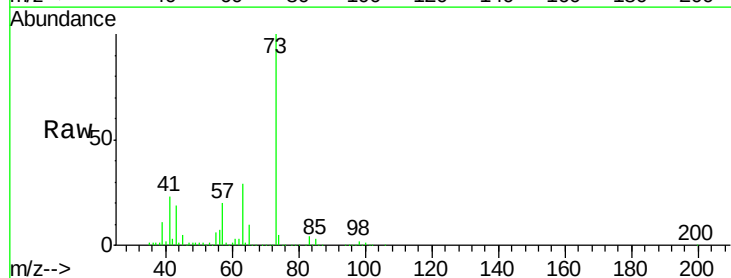
Acq: 3 Dec 2020 9:48

Tgt Ion: 73 Resp: 1991232

Ion Ratio Lower Upper

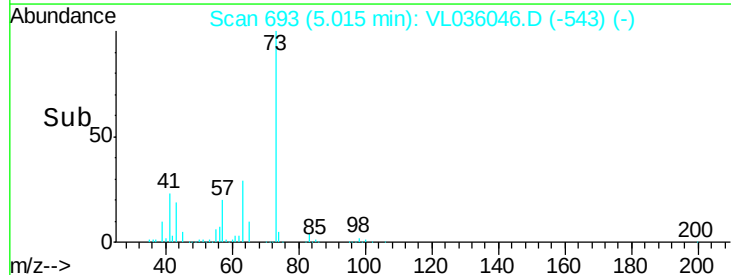
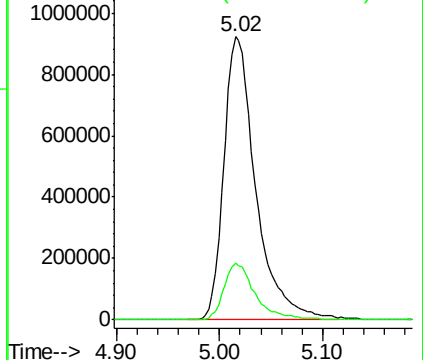
73 100

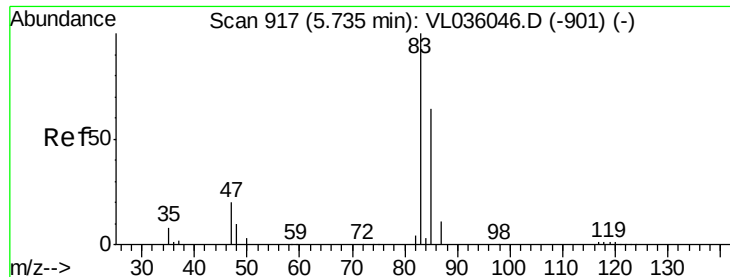
57 19.8 15.4 23.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





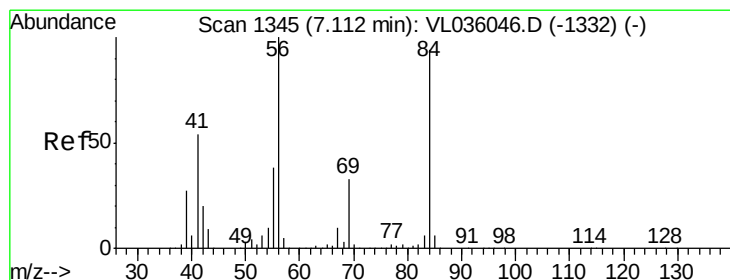
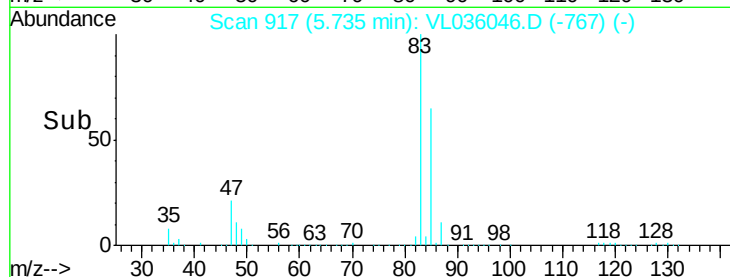
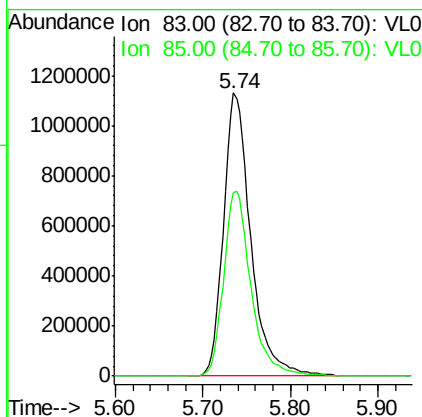
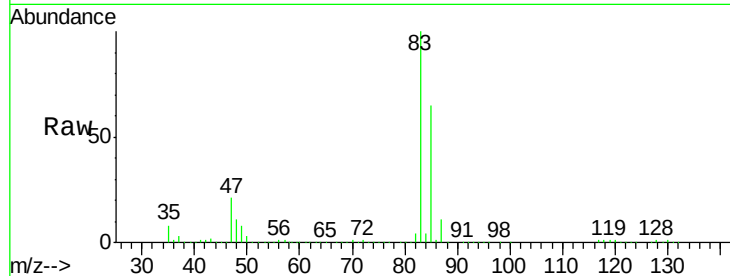
#29
Chloroform
Concen: 9.074 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2448996
Ion Ratio Lower Upper
83 100
85 64.5 54.6 81.8

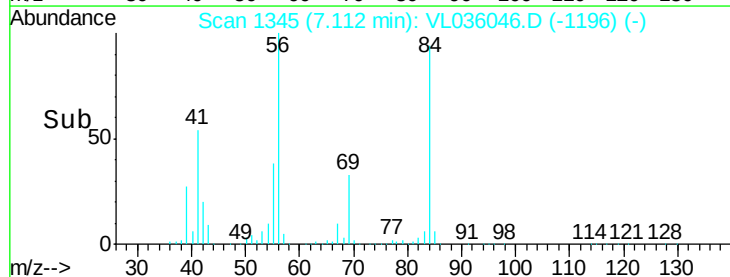
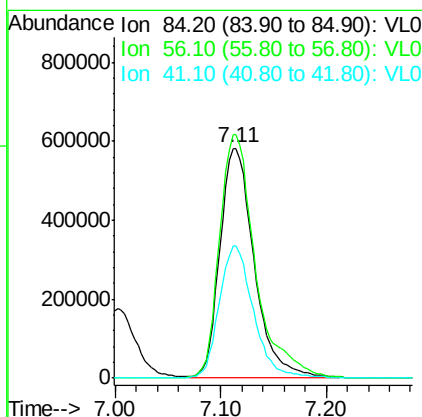
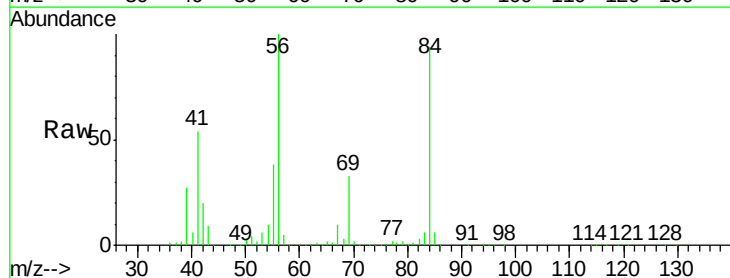
Manual Integrations
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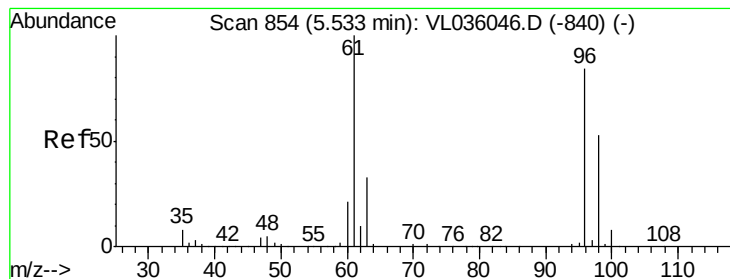
MMDadoda
12/7/2020 12:08:09 PM



#30
Cyclohexane
Concen: 8.707 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 84 Resp: 1302162
Ion Ratio Lower Upper
84 100
56 112.4 86.4 129.6
41 57.6 42.1 63.1





#31

cis-1,2-Dichloroethene

Concen: 8.955 ppbv

RT: 5.53 min Scan# 854

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Tot Ion: 61 Resp: 1265000

Ion Ratio Lower Upper

61 100

96 83.5 70.3 105.5

98 53.2 45.0 67.6

Instrument :

MSVOA_L

ClientSampleId :

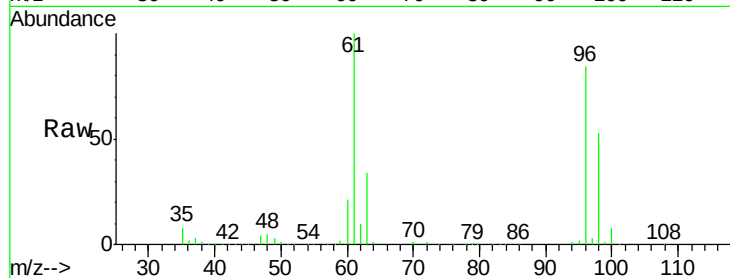
VSTDICCC010

Manual Integrations

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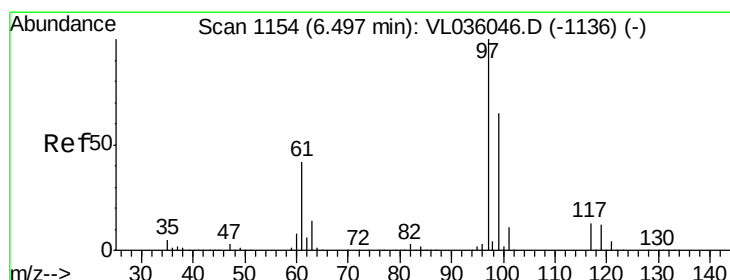
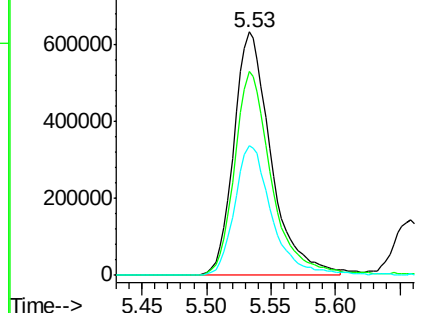
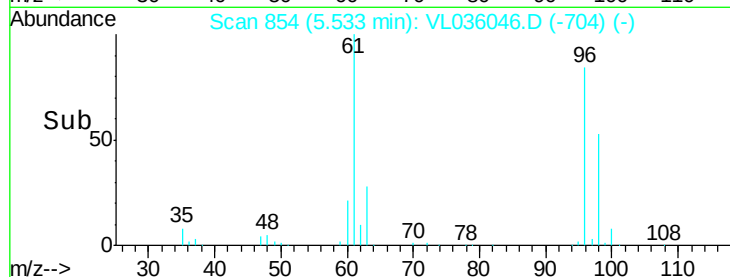
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 8.161 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

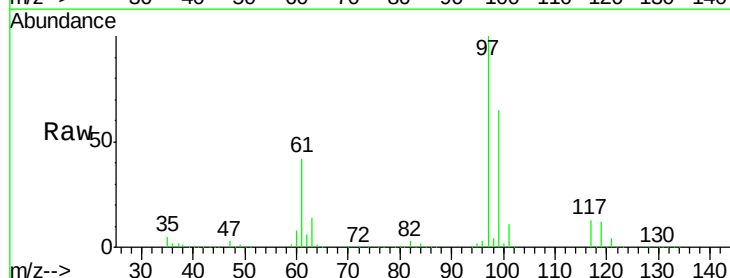
Tgt Ion: 97 Resp: 2298622

Ion Ratio Lower Upper

97 100

99 65.5 52.3 78.5

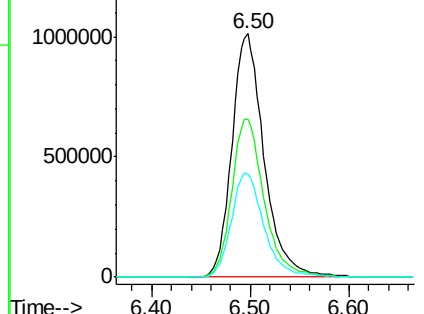
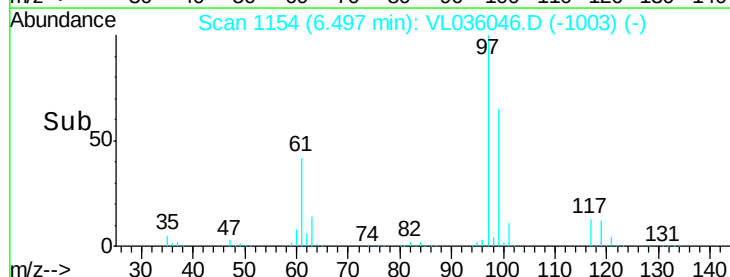
61 43.4 32.0 48.0

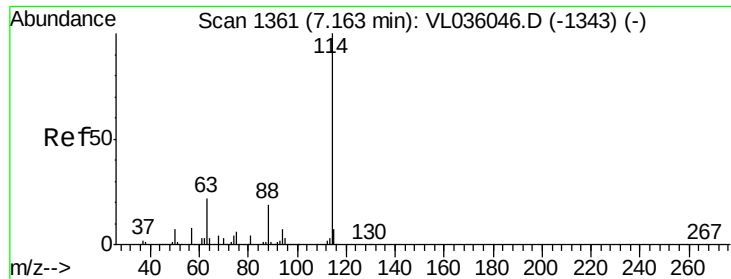


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





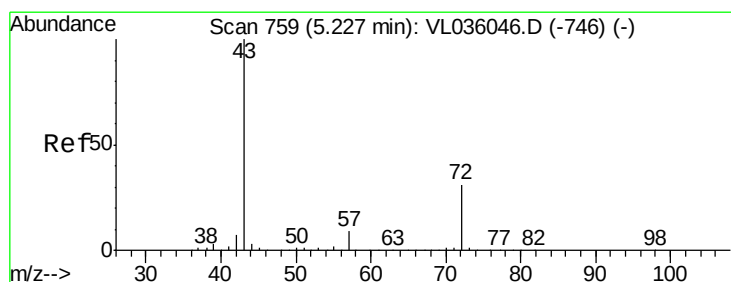
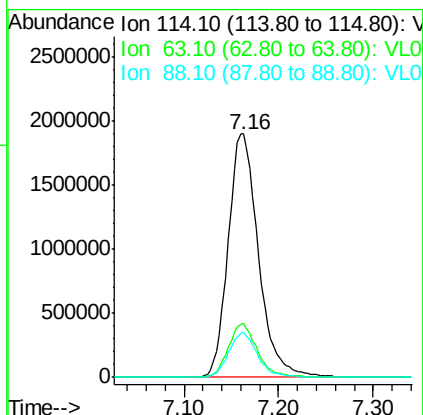
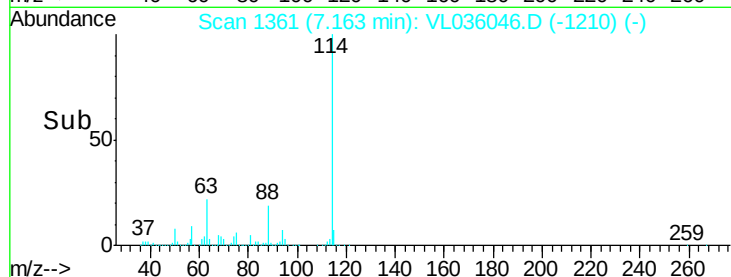
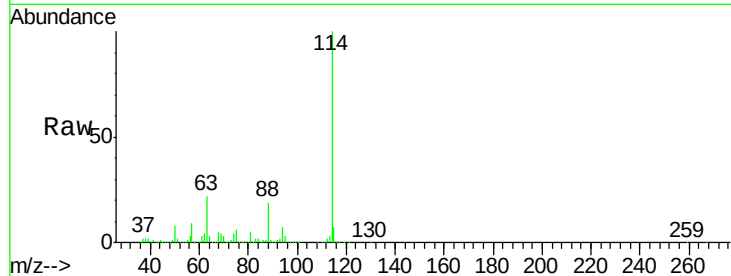
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:114 Resp: 4228211
 Ion Ratio Lower Upper
 114 100
 63 21.5 16.1 24.1
 88 17.5 13.7 20.5

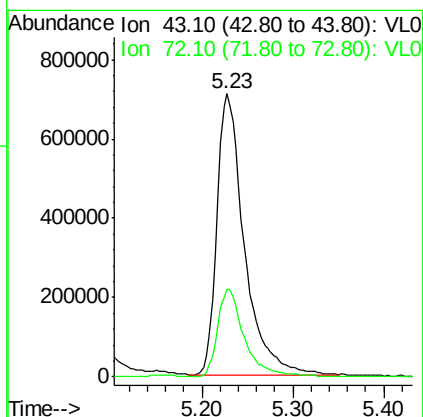
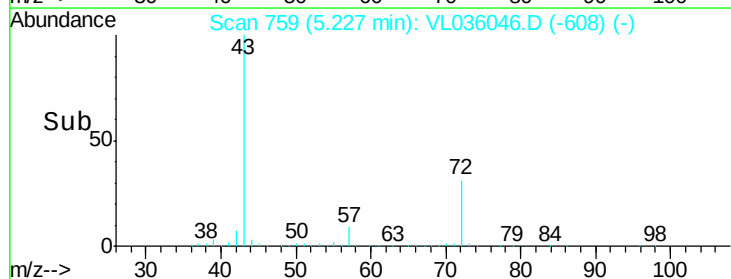
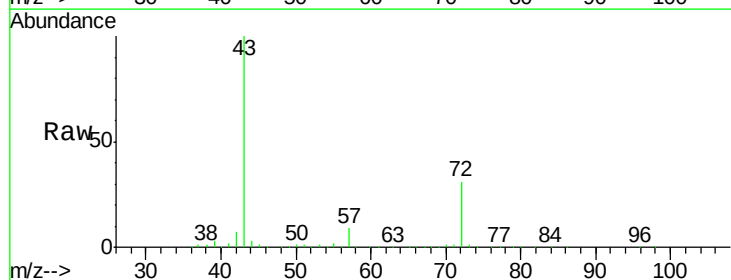
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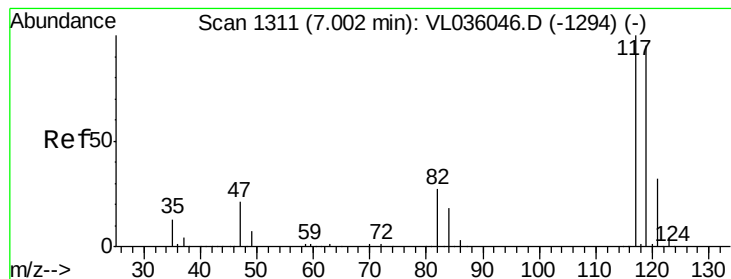
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#34
 2-Butanone
 Concen: 10.858 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion: 43 Resp: 1489936
 Ion Ratio Lower Upper
 43 100
 72 30.6 26.5 39.7





#35

Carbon Tetrachloride

Concen: 10.241 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2313639

Ion Ratio Lower Upper

117 100

119 94.9 75.6 113.4

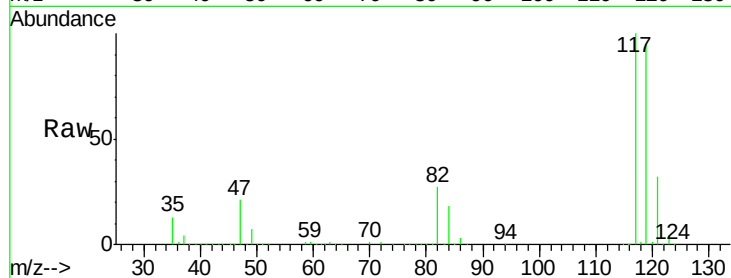
121 32.3 25.1 37.7

Manual Integrations

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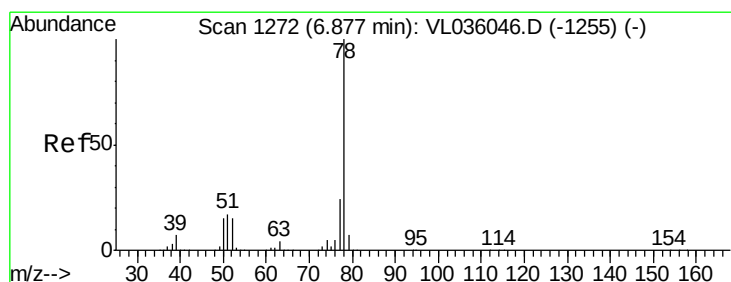
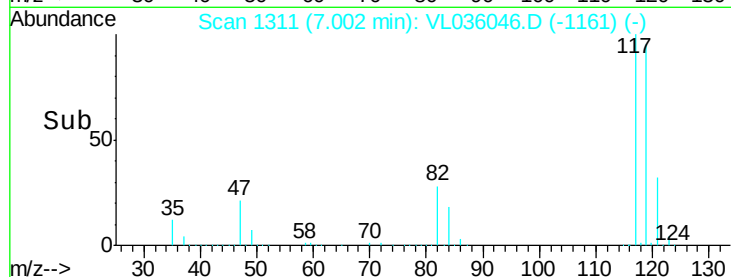
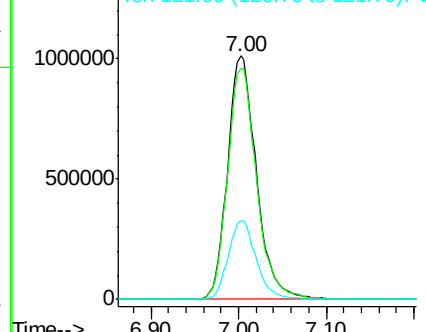
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.685 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

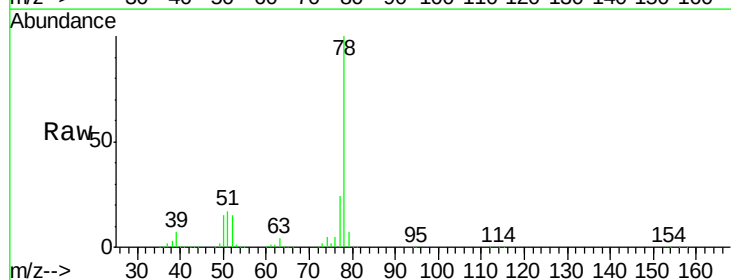
Tgt Ion: 78 Resp: 3044457

Ion Ratio Lower Upper

78 100

77 23.9 19.3 28.9

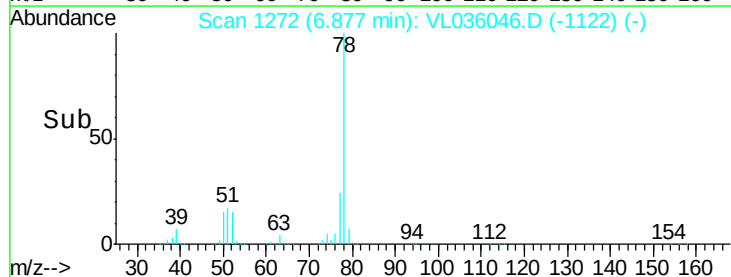
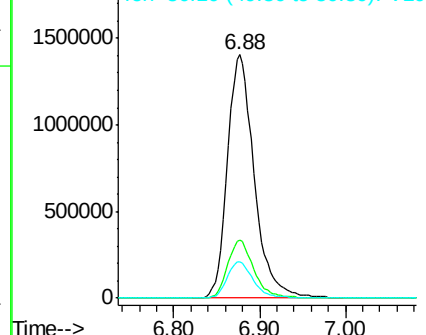
50 15.0 11.4 17.2

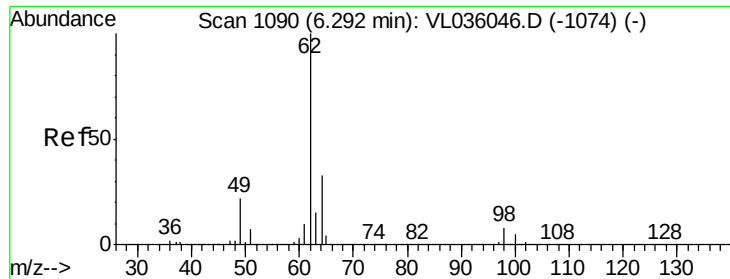


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





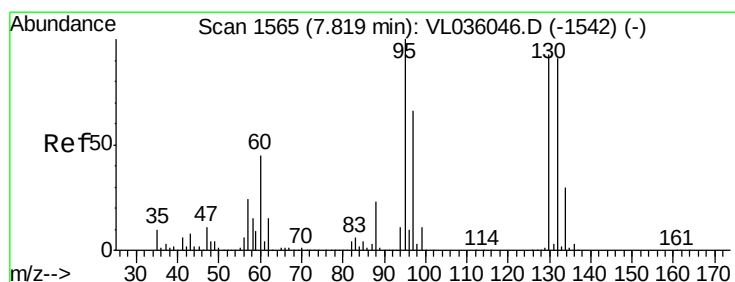
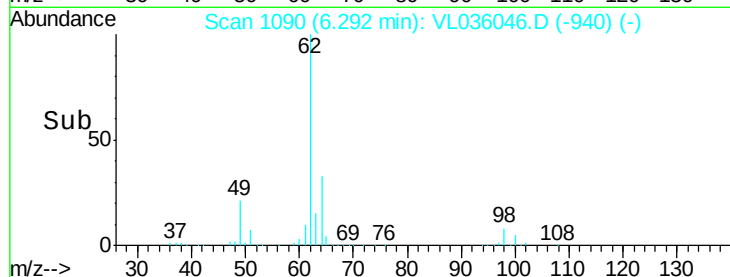
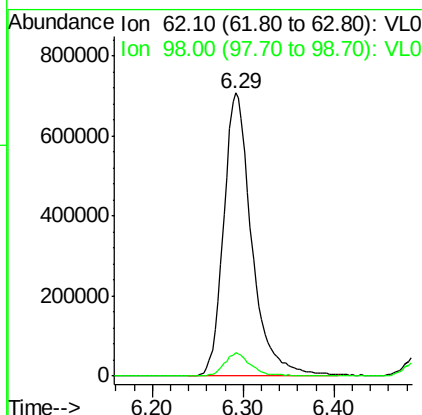
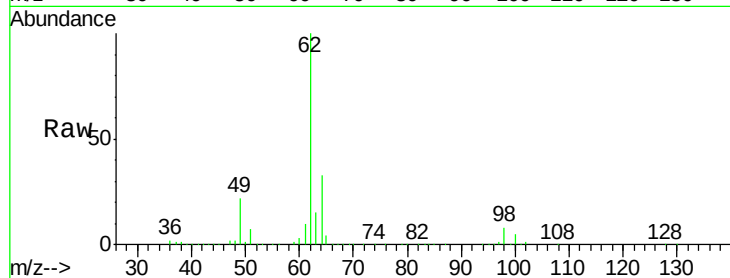
#37
 1,2-Dichloroethane
 Concen: 10.672 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1519736
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.9 10.3

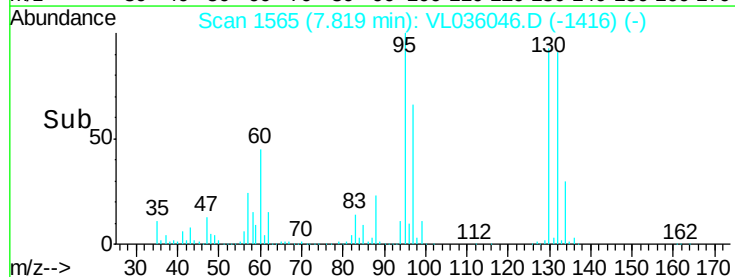
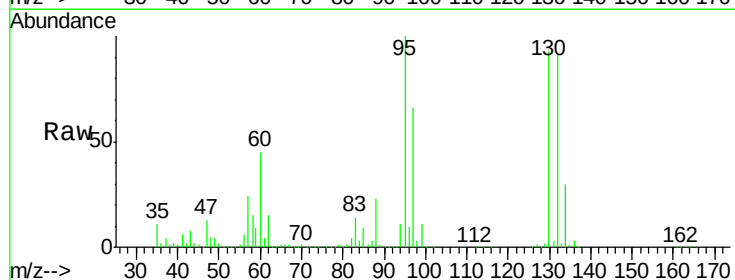
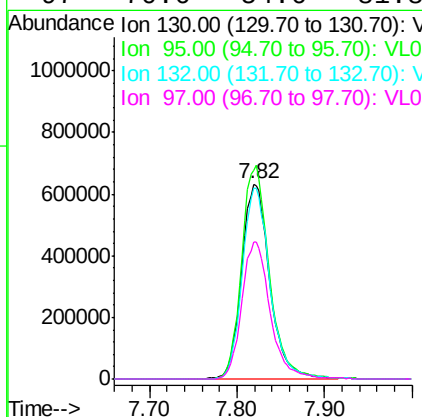
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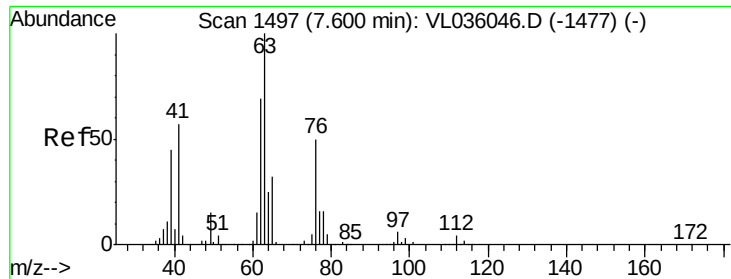
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#38
 Trichloroethene
 Concen: 9.197 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion:130 Resp: 1412111
 Ion Ratio Lower Upper
 130 100
 95 107.6 81.6 122.4
 132 98.3 75.1 112.7
 97 70.6 54.6 81.8





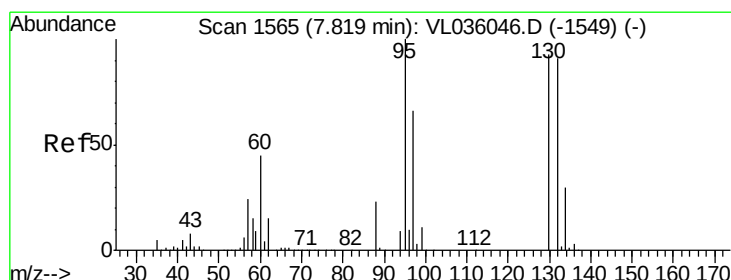
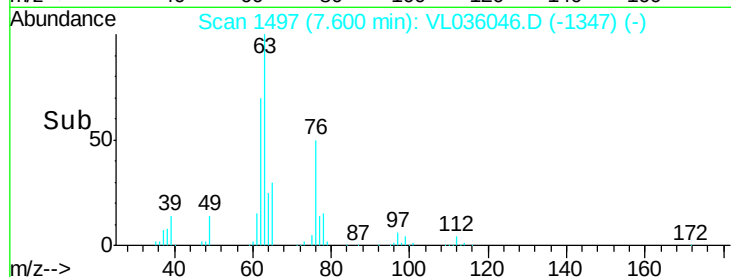
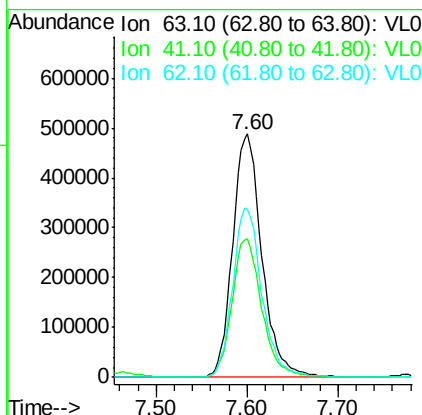
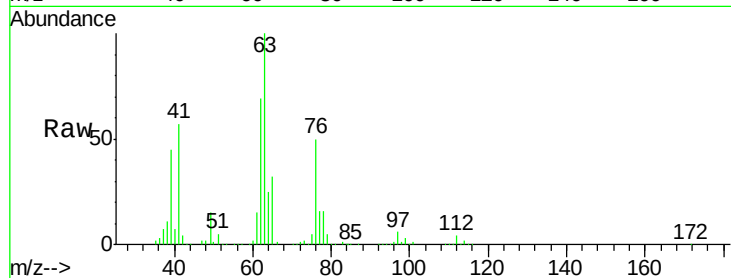
#39
 1,2-Dichloropropane
 Concen: 10.292 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 63 Resp: 1089219
 Ion Ratio Lower Upper
 63 100
 41 56.7 43.8 65.6
 62 69.1 56.2 84.2

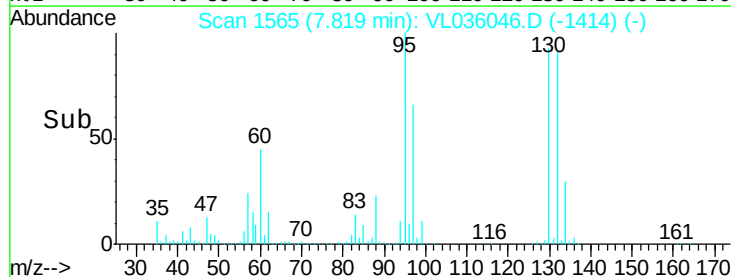
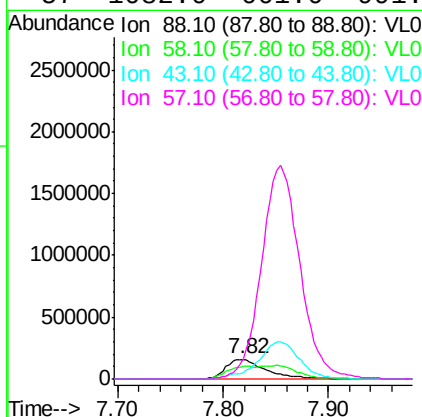
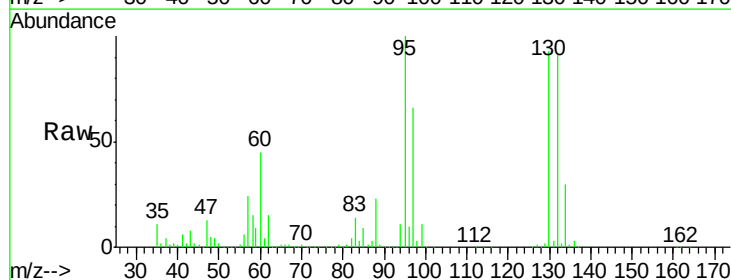
Manual Integrations
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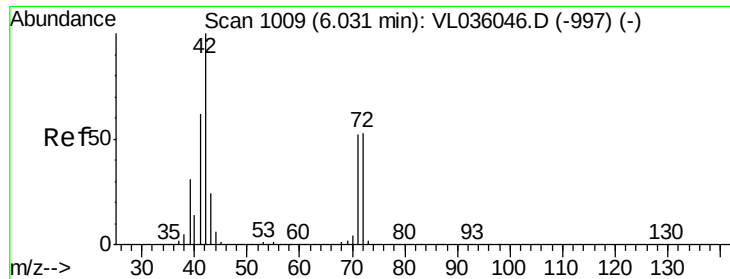
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#40
 1,4-Dioxane
 Concen: 8.123 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion: 88 Resp: 407430
 Ion Ratio Lower Upper
 88 100
 58 113.8 76.2 114.2
 43 204.1 123.1 184.7#
 57 1082.0 661.0 991.4#





#41

Tetrahydrofuran

Concen: 10.839 ppbv

RT: 6.03 min Scan# 1009

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

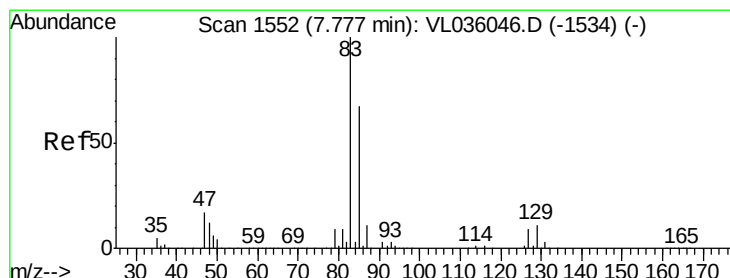
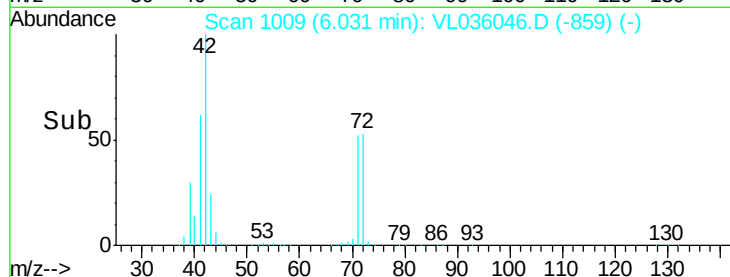
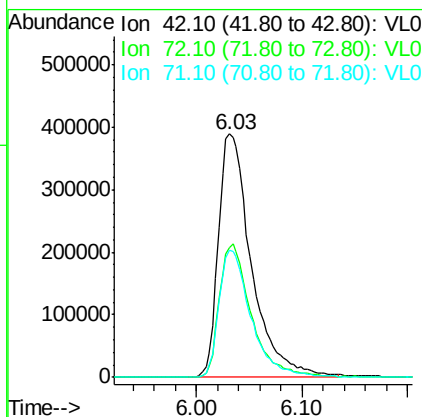
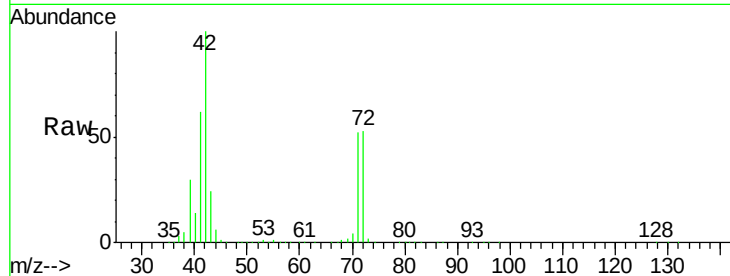
ClientSampleId :

VSTDICCC010

Tot Ion:	42	Resp:	844990
Ion	Ratio	Lower	Upper
42	100		
72	53.4	45.4	68.0
71	51.2	43.4	65.2

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.449 ppbv

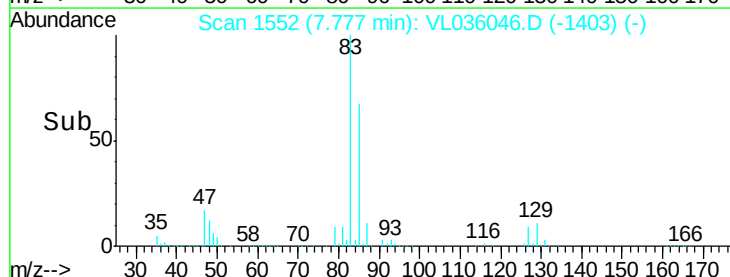
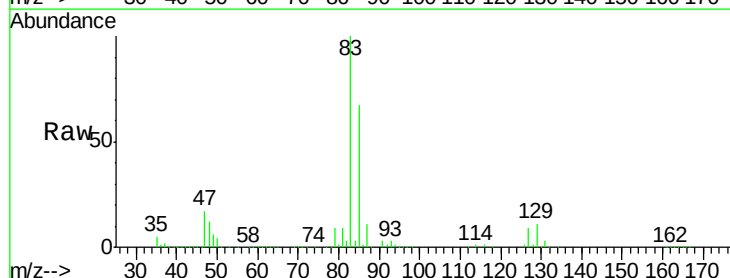
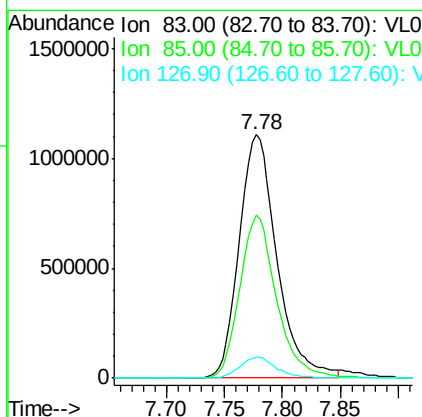
RT: 7.78 min Scan# 1552

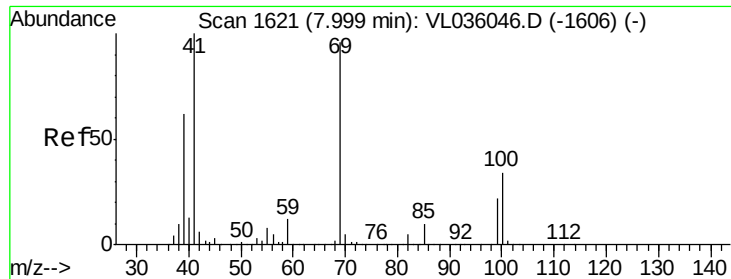
Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Tgt Ion:	83	Resp:	2510776
Ion	Ratio	Lower	Upper
83	100		
85	67.1	53.1	79.7
127	8.8	7.3	10.9





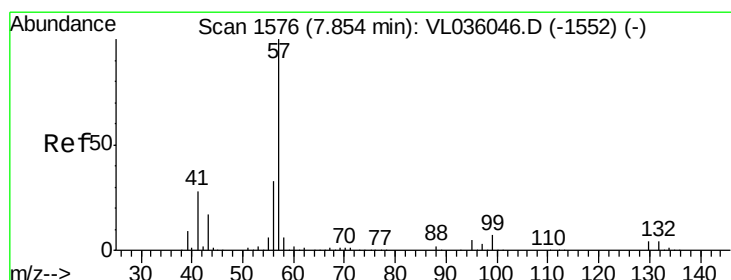
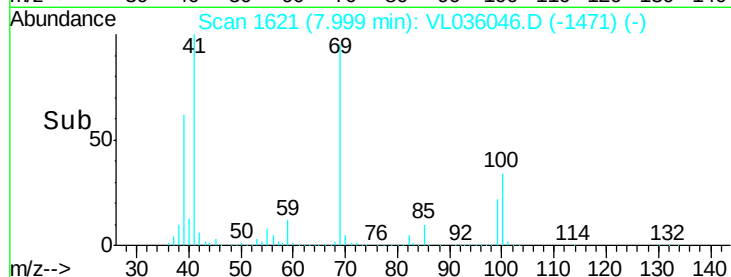
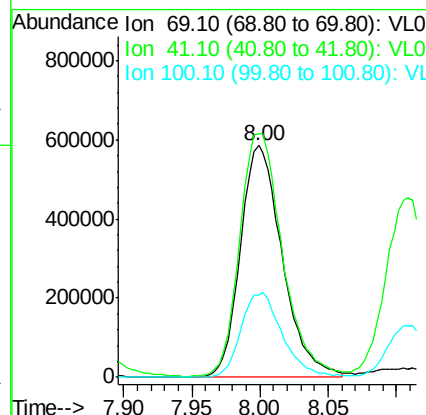
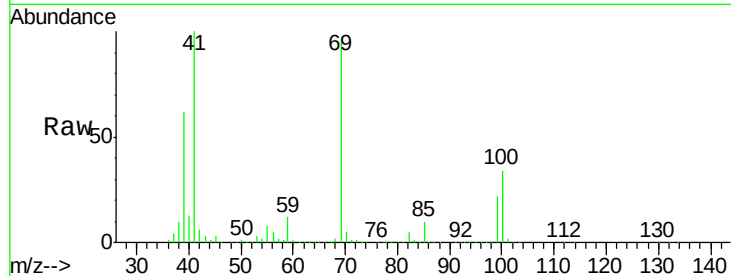
#43
Methvl Methacrylate
Concen: 10.407 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1247742
Ion Ratio Lower Upper
69 100
41 108.1 81.1 121.7
100 36.3 31.0 46.4

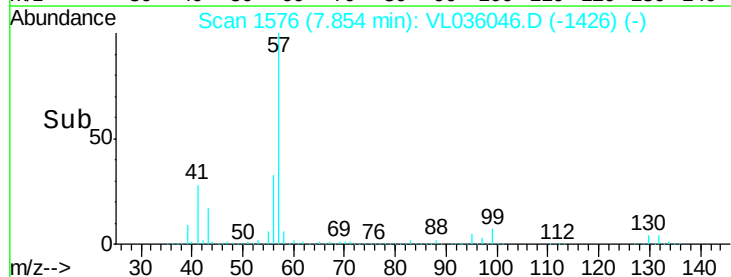
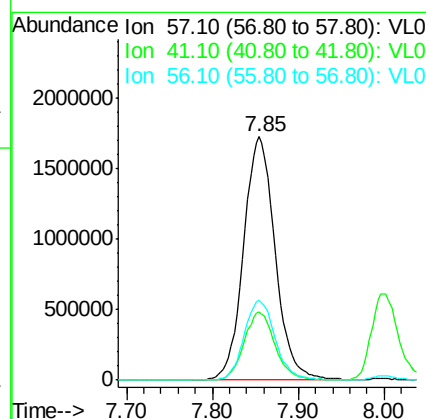
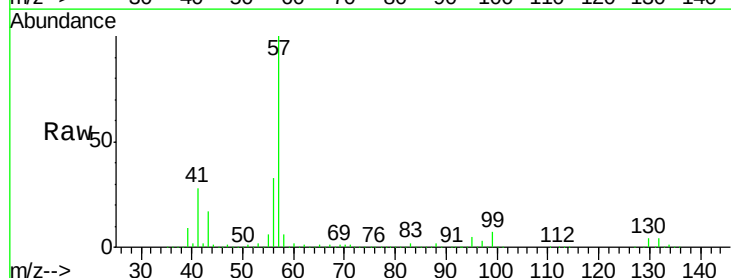
Manual Integrations
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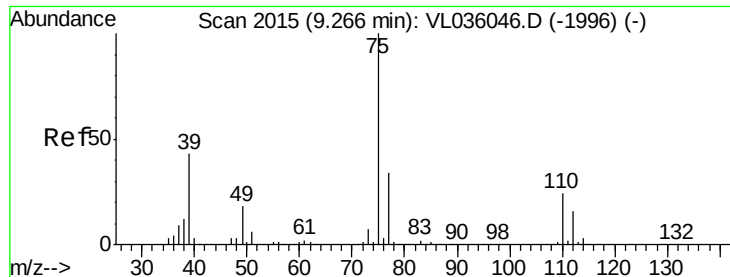
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 10.590 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 57 Resp: 4405180
Ion Ratio Lower Upper
57 100
41 27.4 21.0 31.4
56 32.2 25.4 38.0





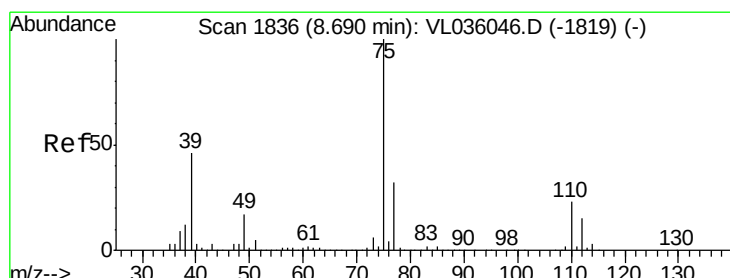
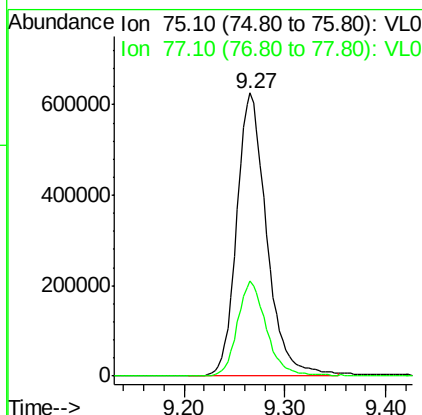
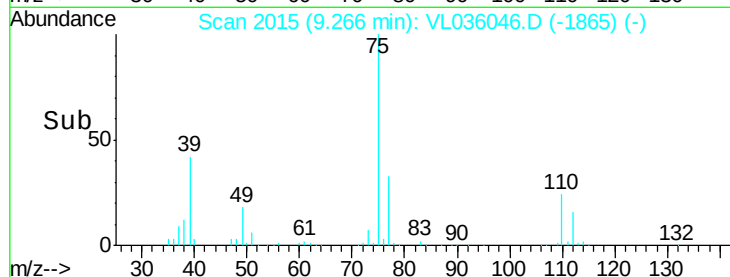
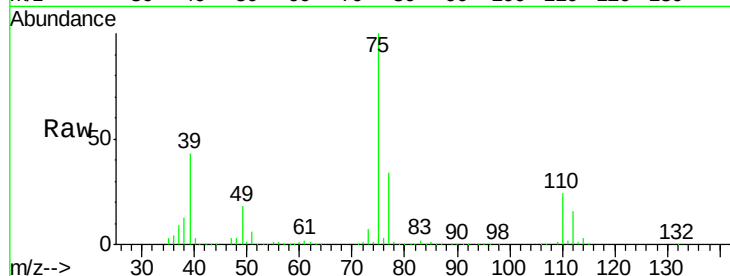
#45
 t-1,3-Dichloropropene
 Concen: 10.159 ppbv
 RT: 9.27 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 75 Resp: 1291301
 Ion Ratio Lower Upper
 75 100
 77 33.5 26.4 39.6

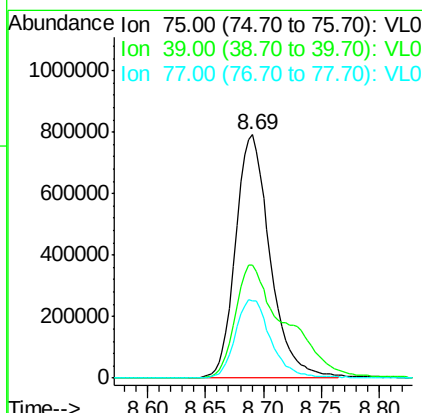
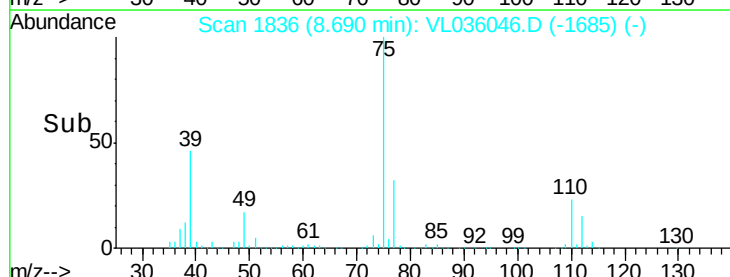
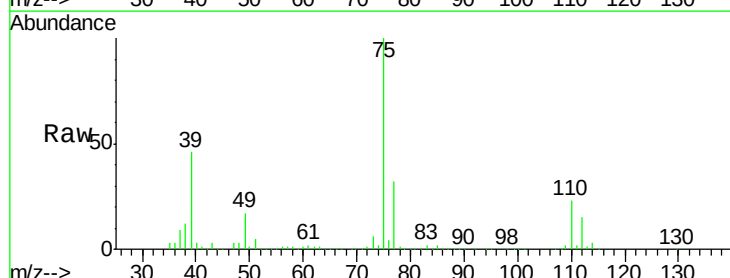
Manual Integrations
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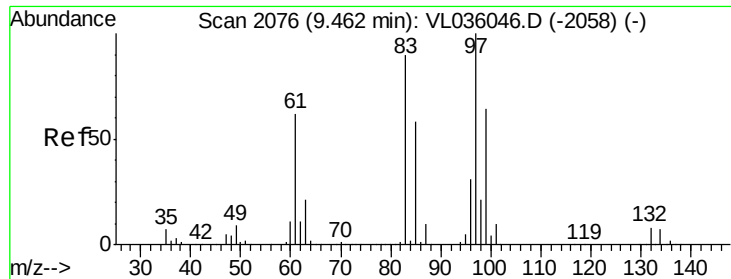
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 10.175 ppbv
 RT: 8.69 min Scan# 1836
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion: 75 Resp: 1637814
 Ion Ratio Lower Upper
 75 100
 39 46.2 35.1 52.7
 77 31.9 25.7 38.5





#47
 1,1,2-Trichloroethane
 Concen: 9.877 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

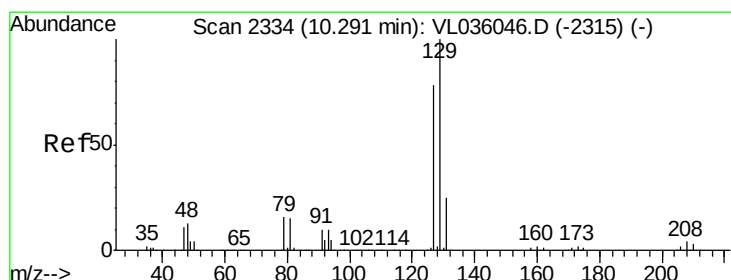
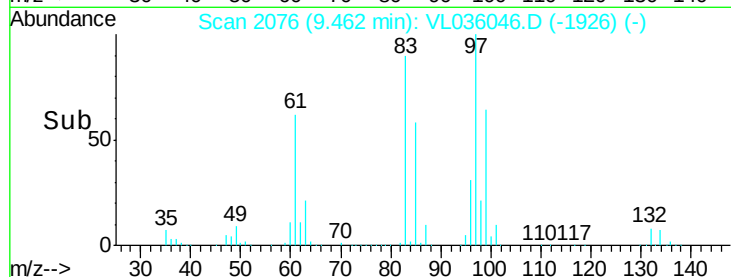
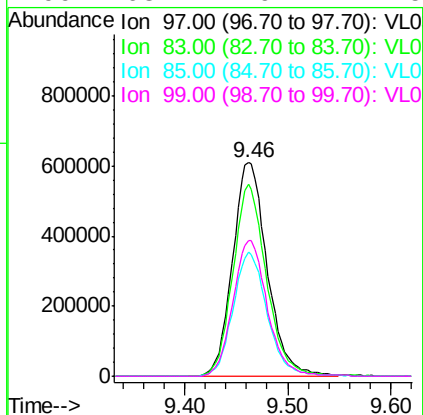
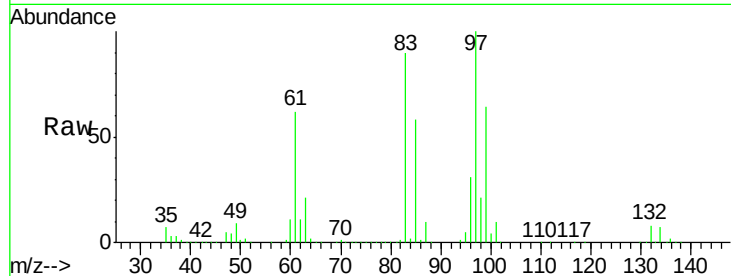
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 97 Resp: 1424337

Ion	Ratio	Lower	Upper
97	100		
83	90.1	67.1	100.7
85	58.2	44.7	67.1
99	63.7	49.7	74.5

Manual Integrations
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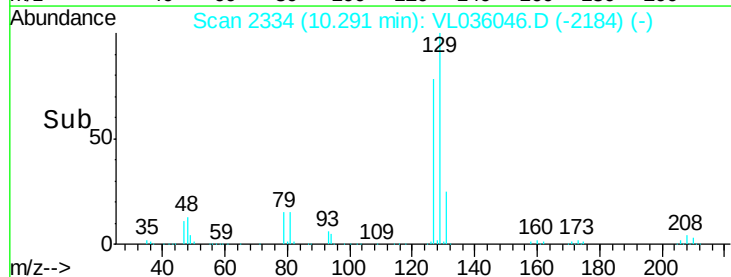
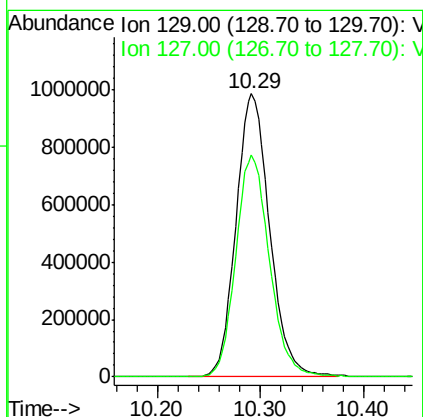
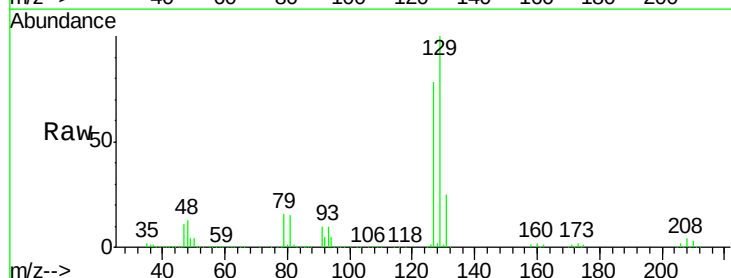
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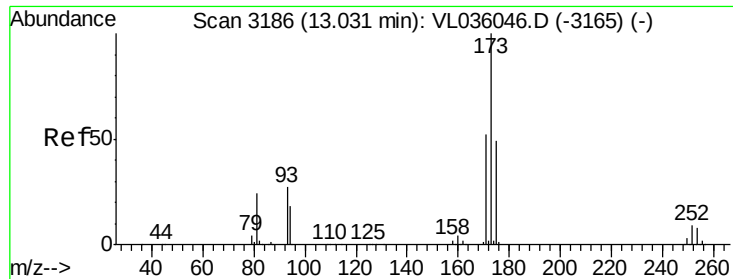


#48
 Dibromochloromethane
 Concen: 10.177 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion: 129 Resp: 2242006

Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.2	117.6





#49

Bromoform

Concen: 9.449 ppbv

RT: 13.03 min Scan# 3186

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1756481

Ion Ratio Lower Upper

173 100

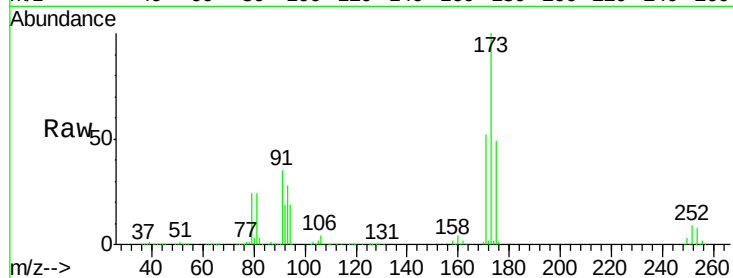
175 49.4 40.1 60.1

171 53.2 42.6 63.8

Manual Integrations
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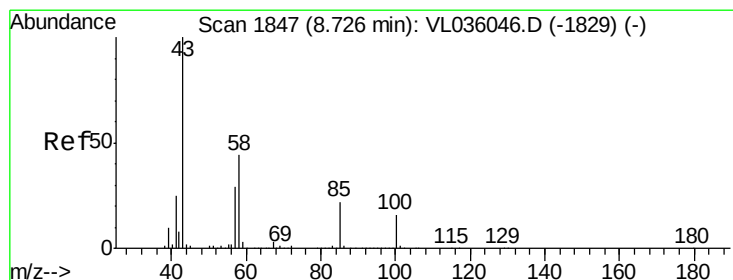
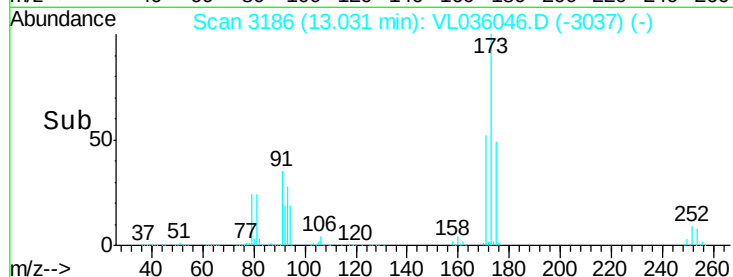
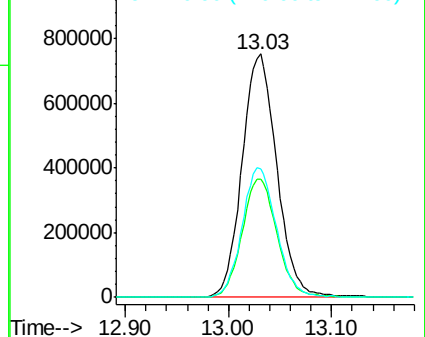
12/7/2020 12:08:09 PM



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.569 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. -0.02 min

Lab File: VL036046.D

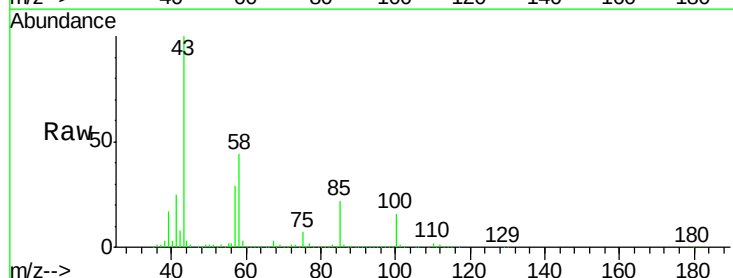
Acq: 3 Dec 2020 9:48

Tgt Ion: 43 Resp: 2427559

Ion Ratio Lower Upper

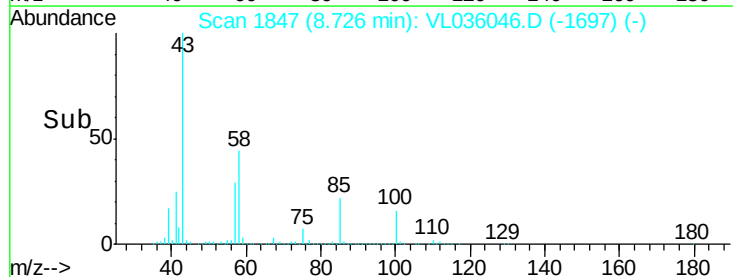
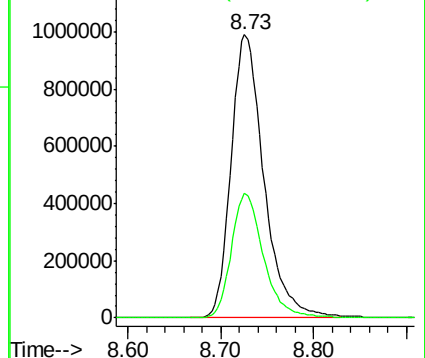
43 100

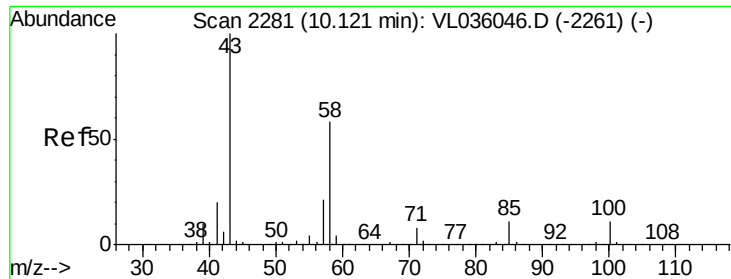
58 43.4 36.0 54.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





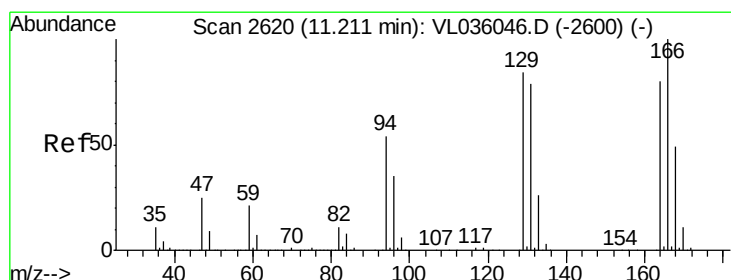
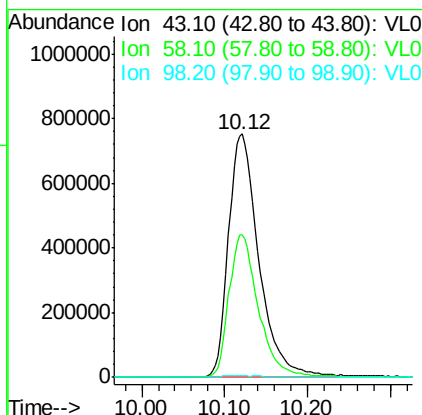
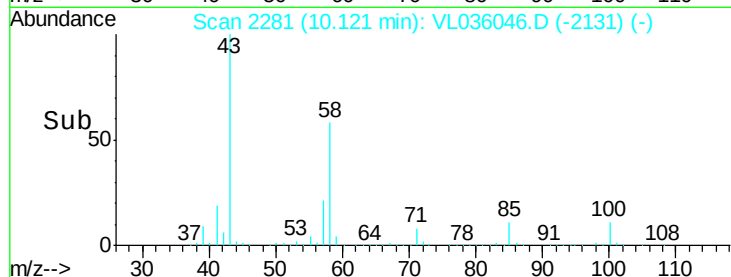
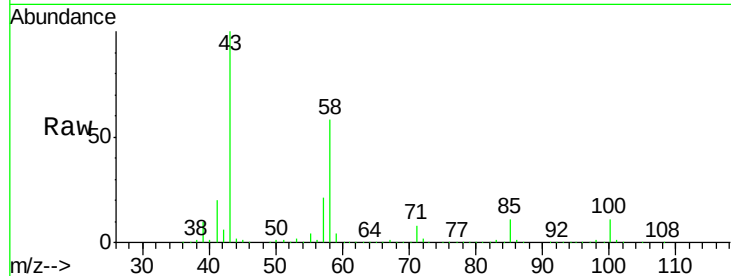
#51
2-Hexanone
Concen: 11.415 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1924183
Ion Ratio Lower Upper
43 100
58 57.1 48.3 72.5
98 1.0 0.6 0.8#

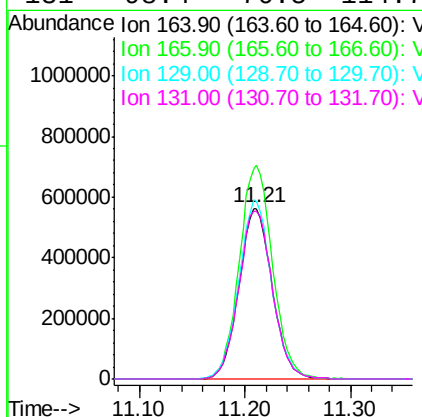
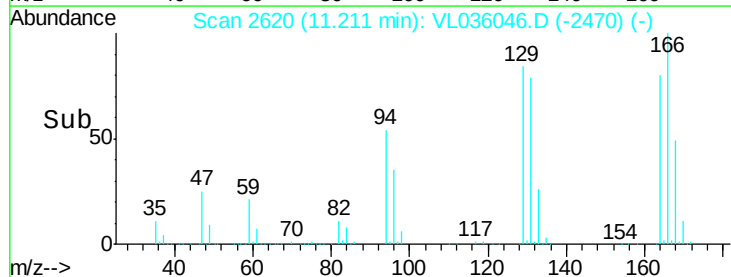
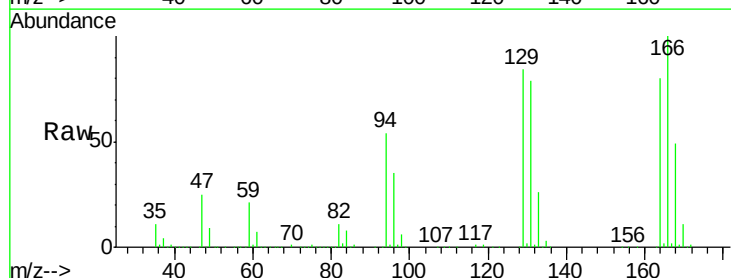
Manual Integrations
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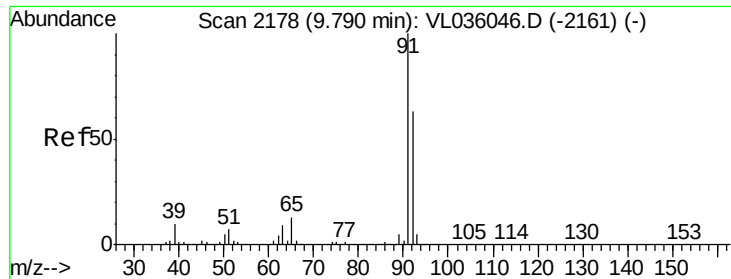
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#52
Tetrachloroethene
Concen: 8.271 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 164 Resp: 1231676
Ion Ratio Lower Upper
164 100
166 125.2 99.3 148.9
129 104.6 79.3 118.9
131 98.4 76.5 114.7





#53

Toluene

Concen: 9.727 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3689269

Ion Ratio Lower Upper

91 100

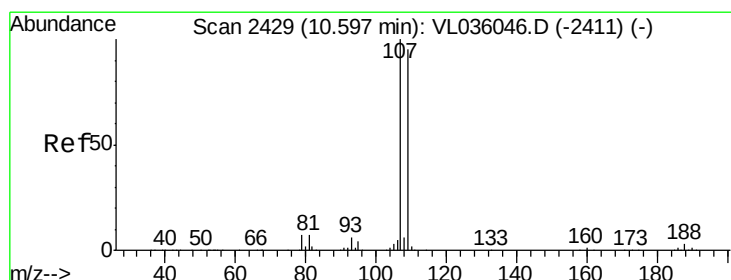
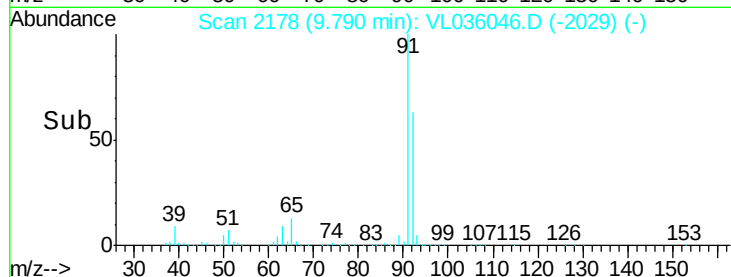
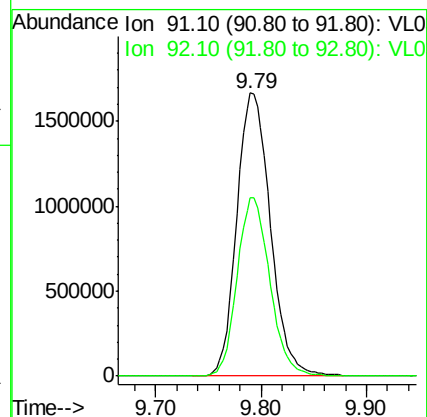
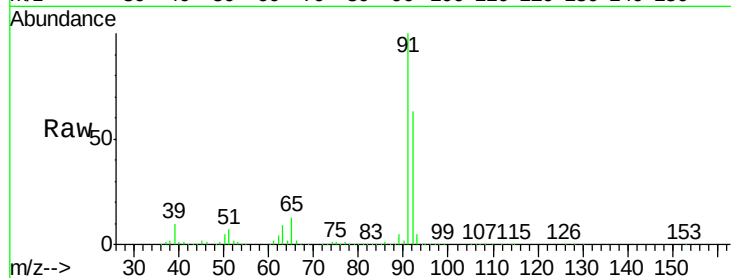
92 61.6 49.8 74.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.646 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.02 min

Lab File: VL036046.D

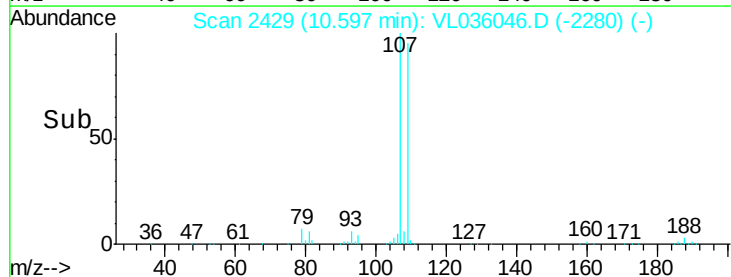
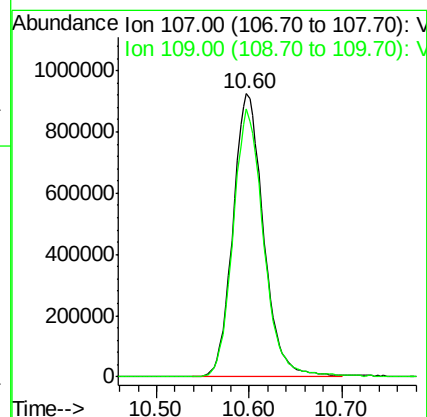
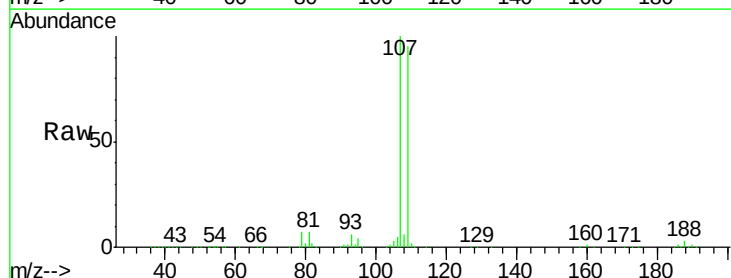
Acq: 3 Dec 2020 9:48

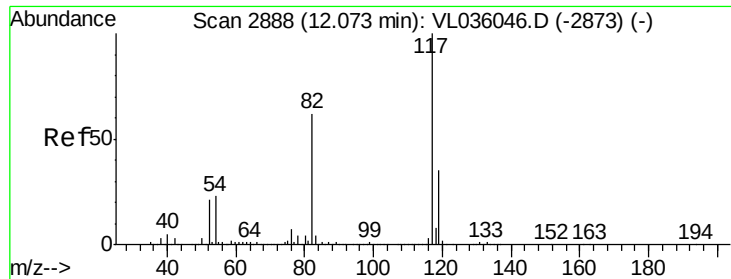
Tgt Ion: 107 Resp: 2115509

Ion Ratio Lower Upper

107 100

109 94.6 77.2 115.8





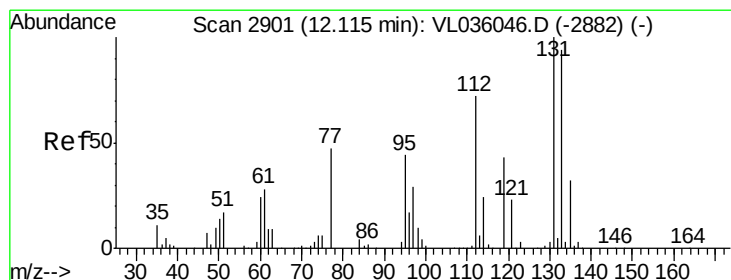
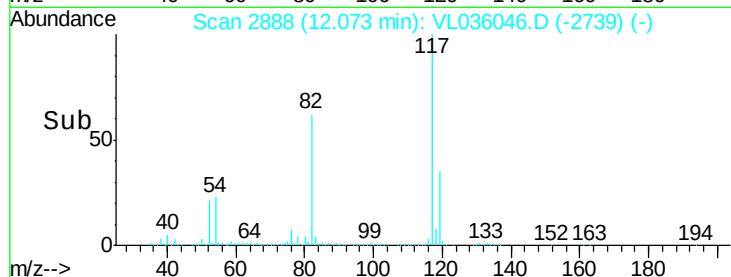
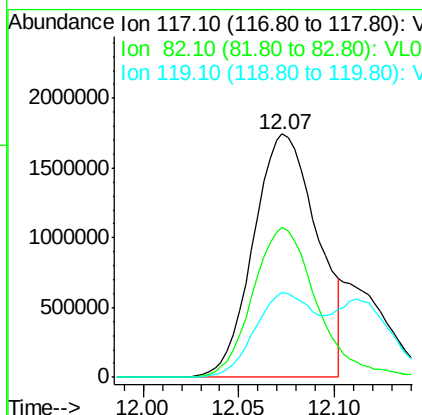
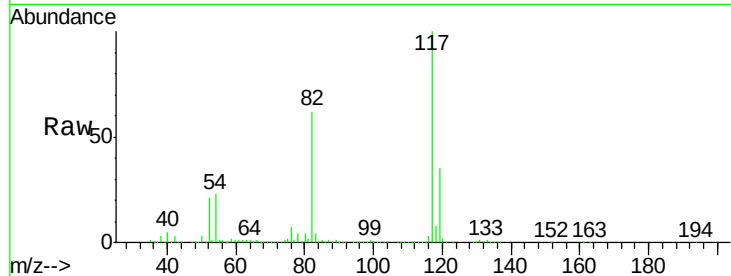
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2888
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 4044129
Ion Ratio Lower Upper
117 100
82 62.4 50.6 76.0
119 35.9 52.6 78.8#

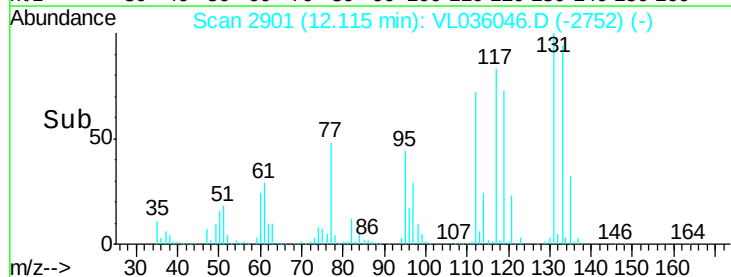
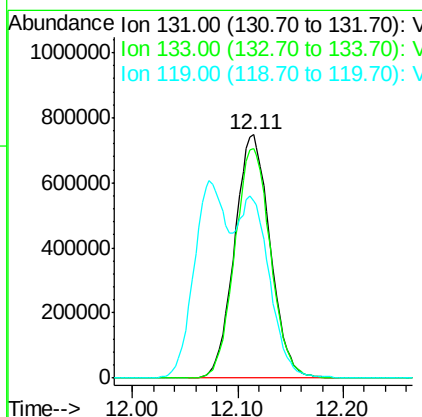
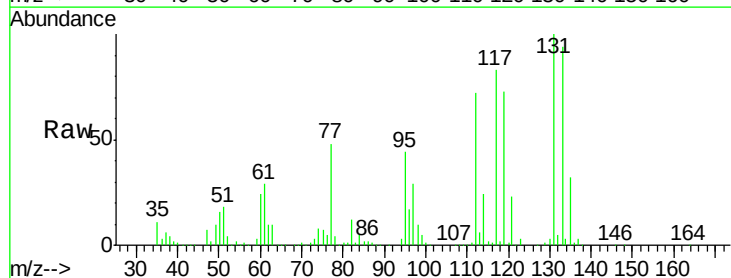
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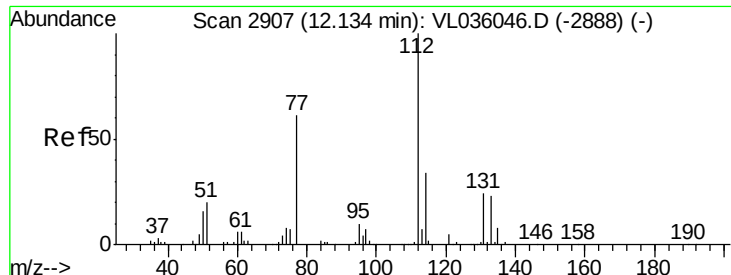
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.651 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion:131 Resp: 1751730
Ion Ratio Lower Upper
131 100
133 95.1 76.8 115.2
119 61.9 47.4 71.0





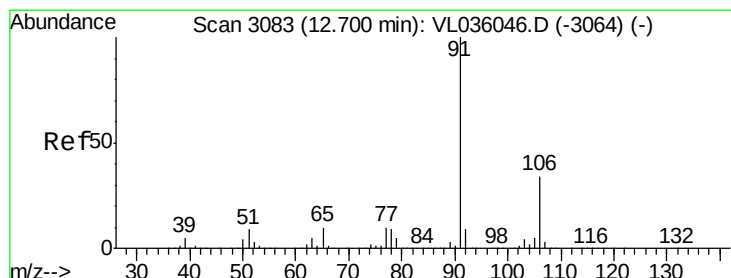
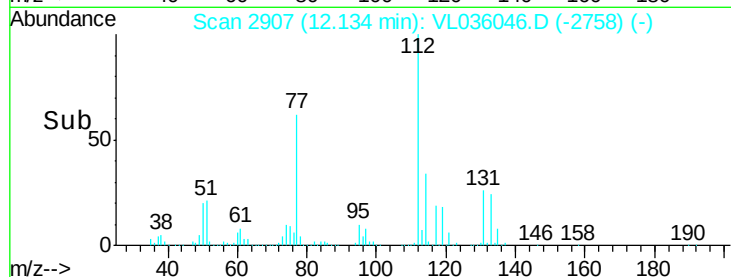
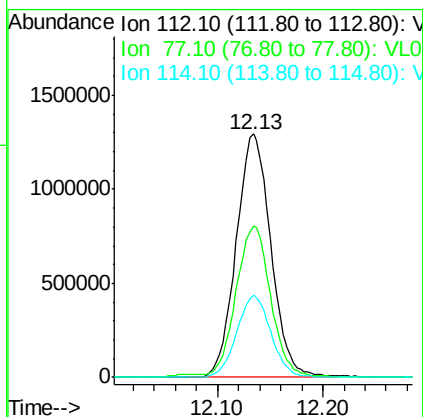
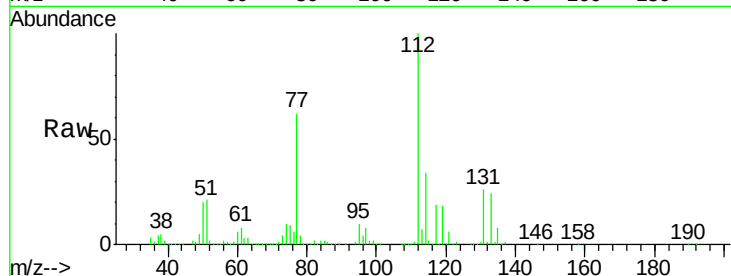
#57
Chlorobenzene
Concen: 9.200 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 112 Resp: 2958144
Ion Ratio Lower Upper
112 100
77 61.6 47.5 71.3
114 33.5 30.3 37.1

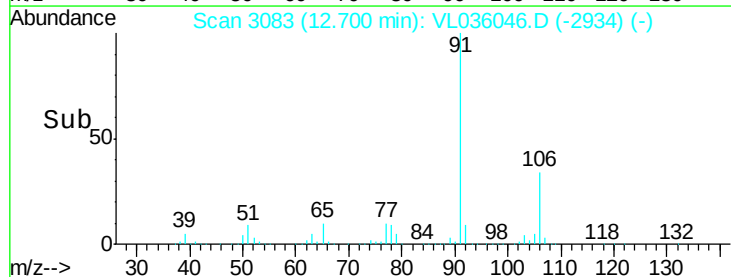
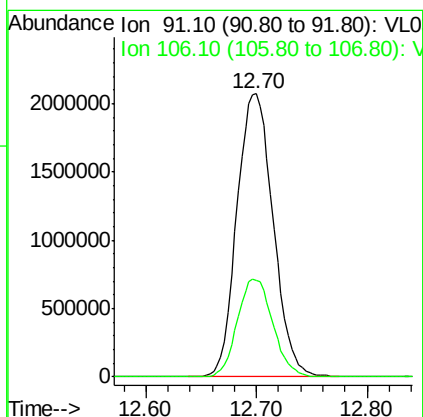
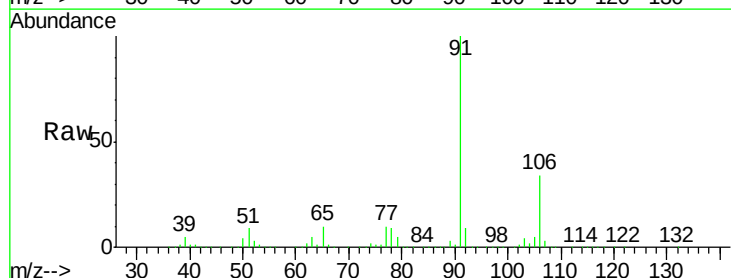
Manual Integrations
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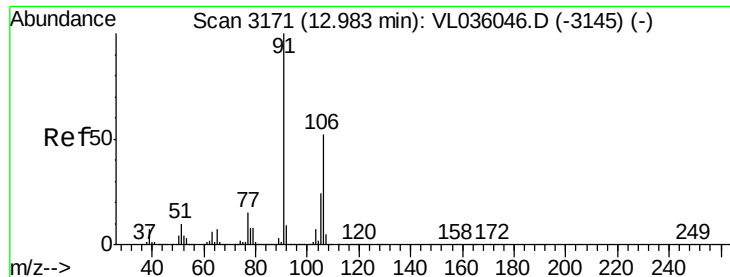
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#58
Ethyl Benzene
Concen: 9.595 ppbv
RT: 12.70 min Scan# 3083
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 91 Resp: 4726124
Ion Ratio Lower Upper
91 100
106 34.3 28.6 43.0





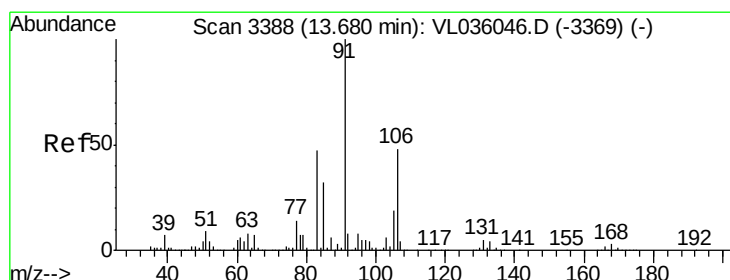
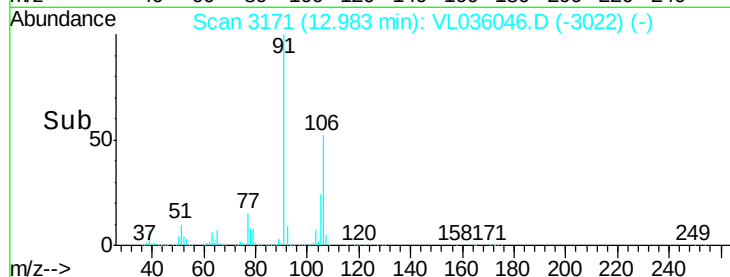
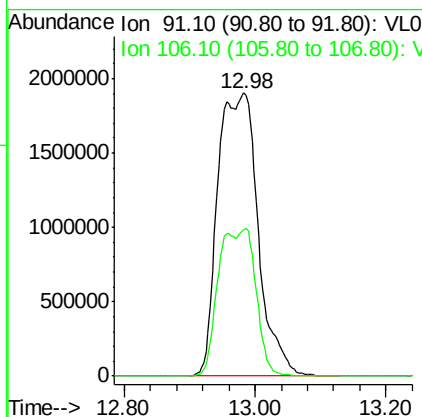
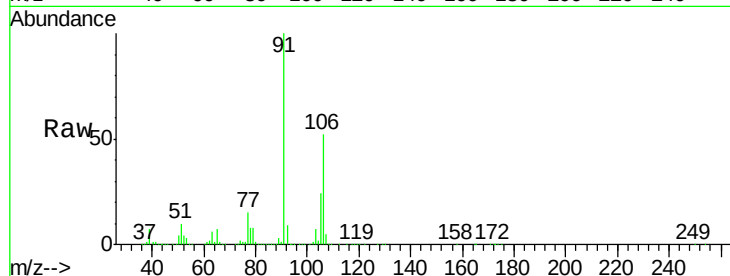
#59
m/p-Xylene
Concen: 19.580 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 8159291
Ion Ratio Lower Upper
91 100
106 48.4 39.5 59.3

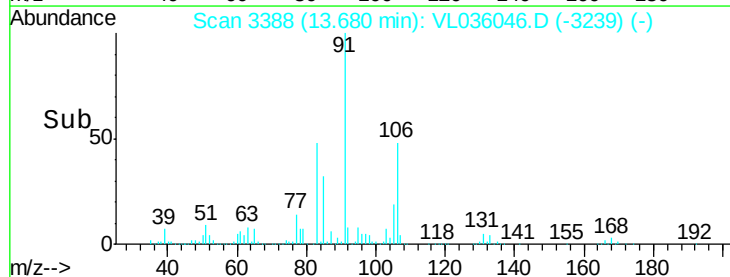
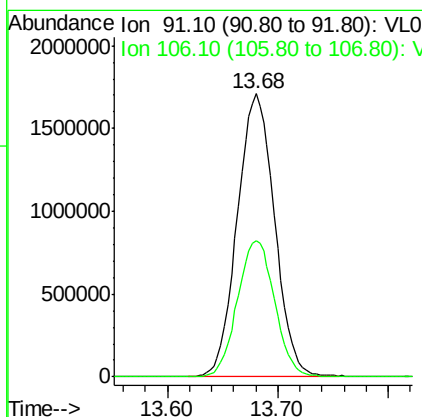
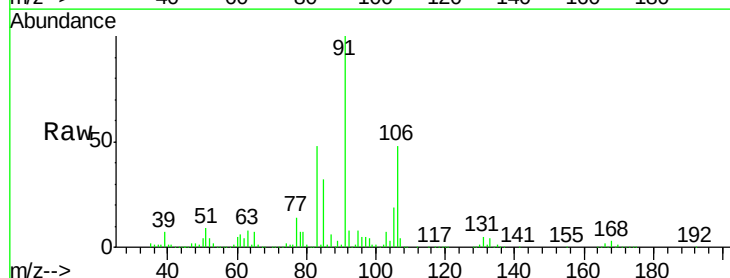
Manual Integrations
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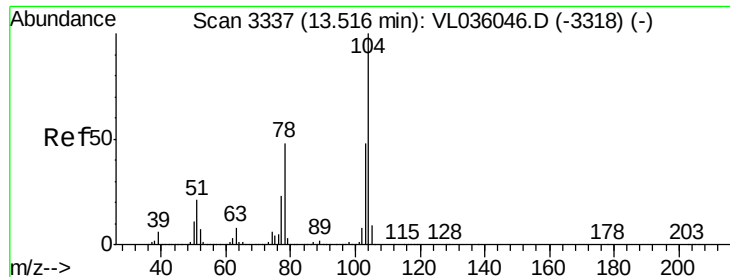
MMDadoda
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#60
o-Xylene
Concen: 9.863 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 91 Resp: 3998198
Ion Ratio Lower Upper
91 100
106 48.2 24.8 74.4





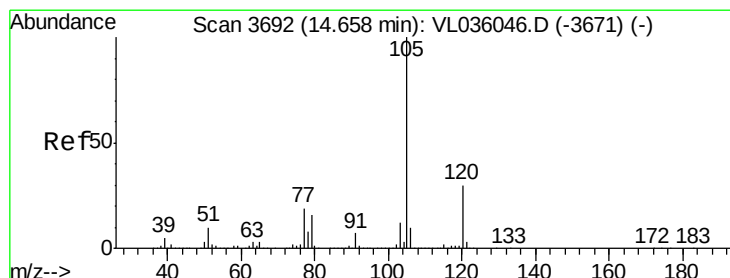
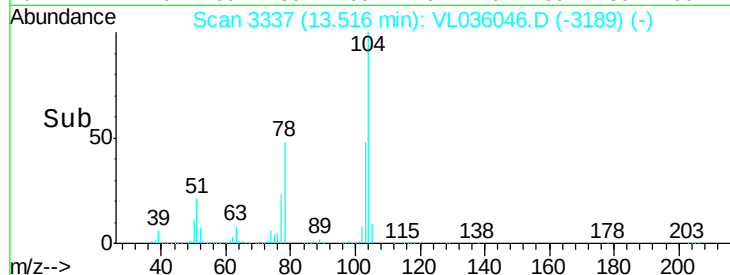
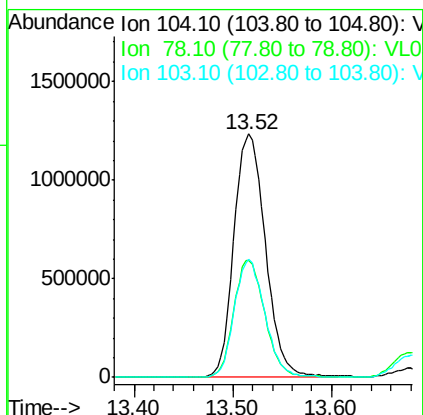
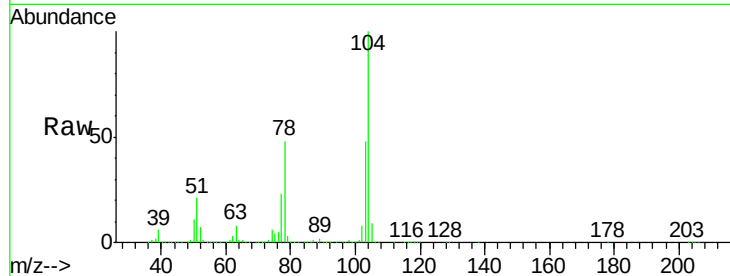
#61
Stvrene
Concen: 9.280 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.03 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:104 Resp: 2756287
Ion Ratio Lower Upper
104 100
78 47.5 37.1 55.7
103 47.1 37.9 56.9

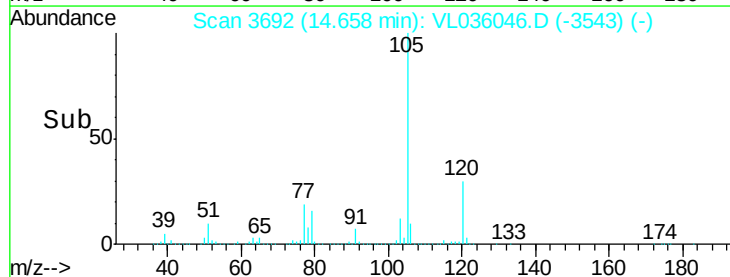
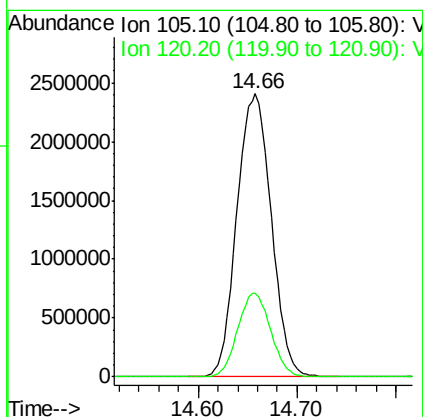
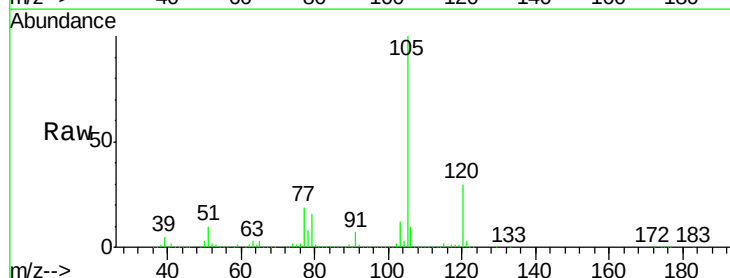
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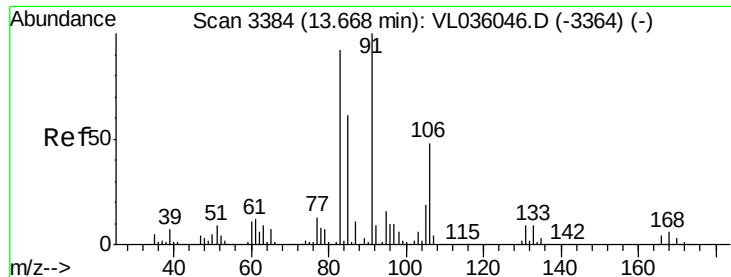
MMDadoda
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#62
Isopropylbenzene
Concen: 9.129 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion:105 Resp: 5816678
Ion Ratio Lower Upper
105 100
120 28.3 23.5 35.3





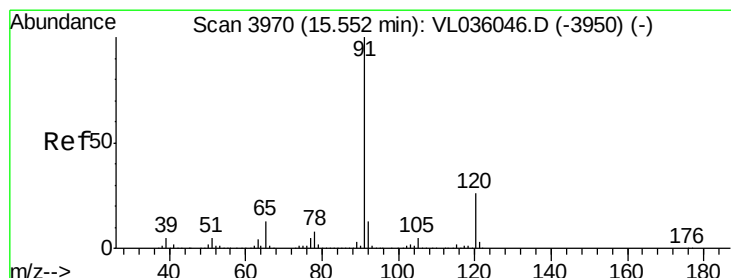
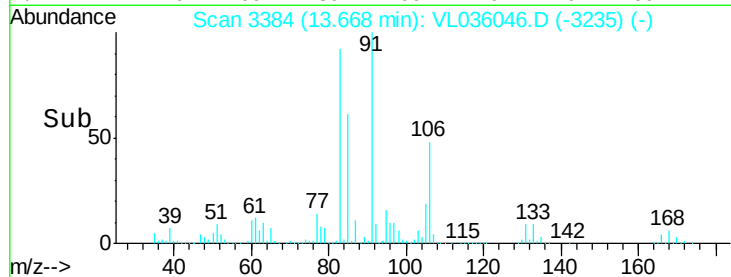
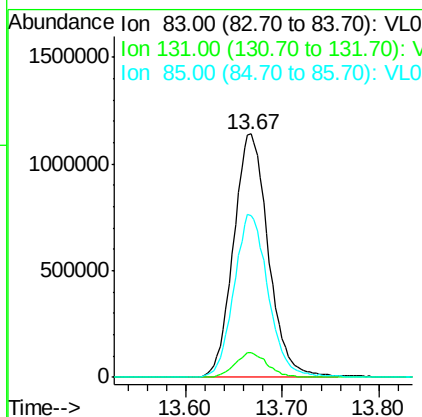
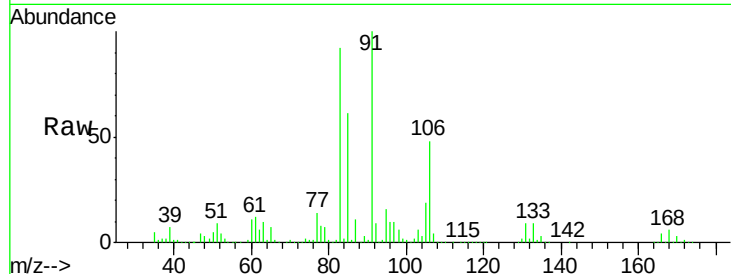
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.084 ppbv
 RT: 13.67 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	83	Resp	2853299
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	5.3	15.8
85	66.6	33.5	100.4

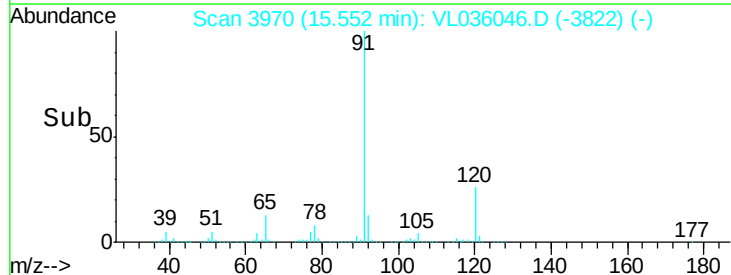
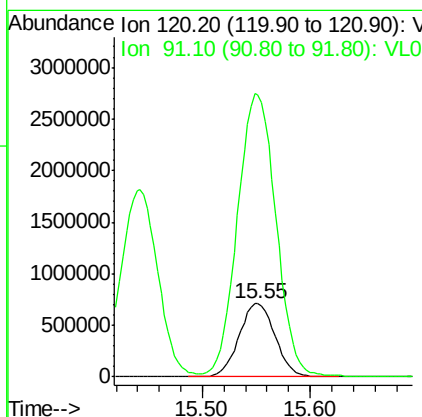
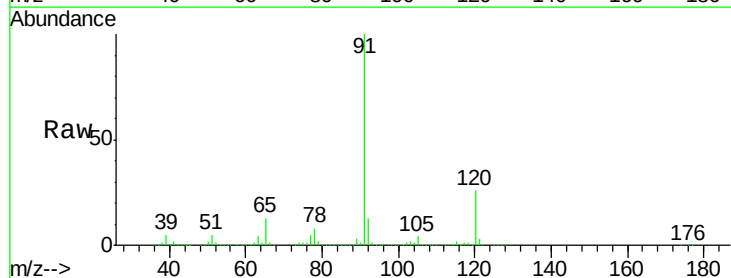
Manual Integrations
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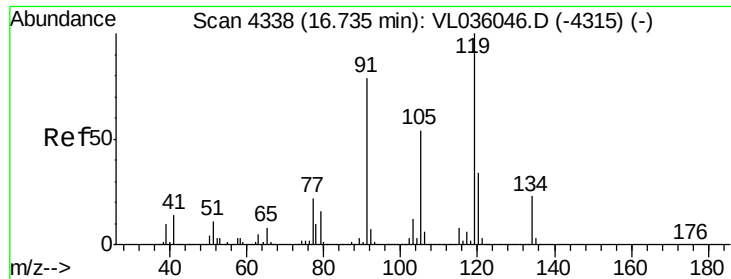
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#64
 n-propylbenzene
 Concen: 8.955 ppbv
 RT: 15.55 min Scan# 3970
 Delta R.T. -0.03 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion	120	Resp	1649299
Ion Ratio	100	Lower	Upper
120	100		
91	414.3	311.1	466.7





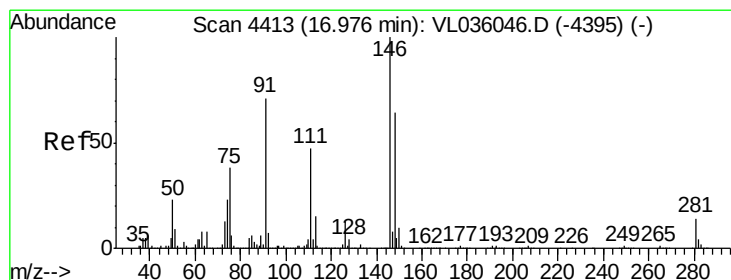
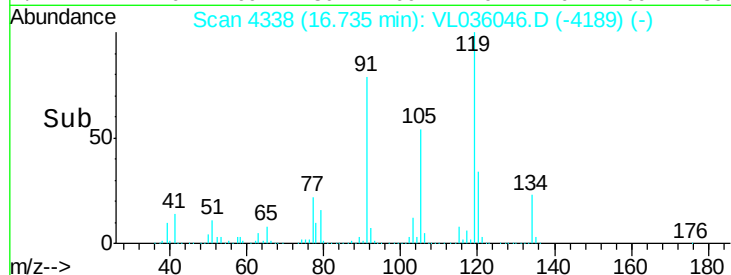
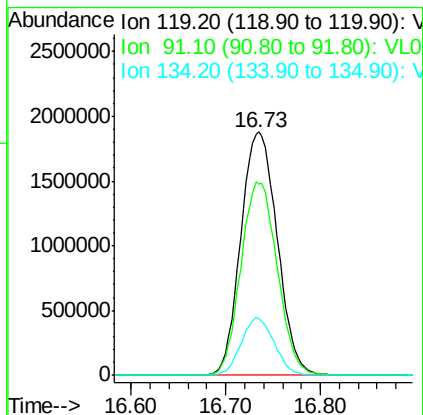
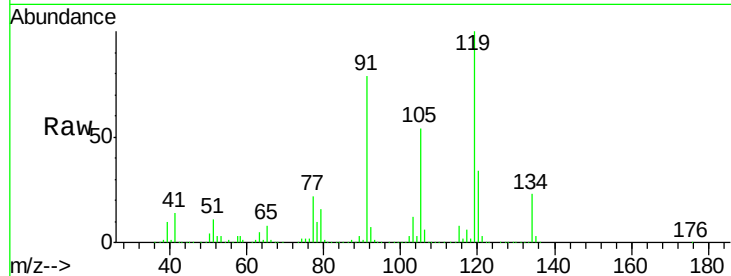
#65
tert-Butylbenzene
Concen: 8.677 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:119 Resp: 5032344
Ion Ratio Lower Upper
119 100
91 79.3 62.0 93.0
134 21.4 17.8 26.8

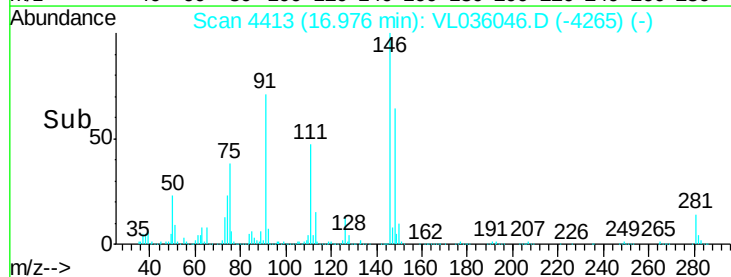
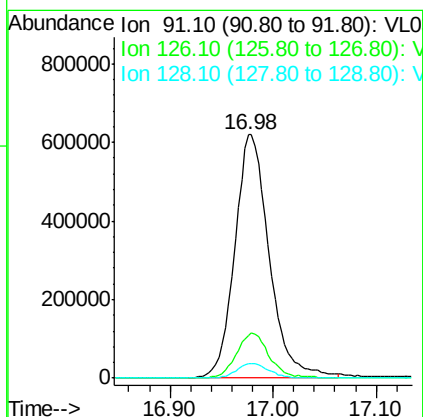
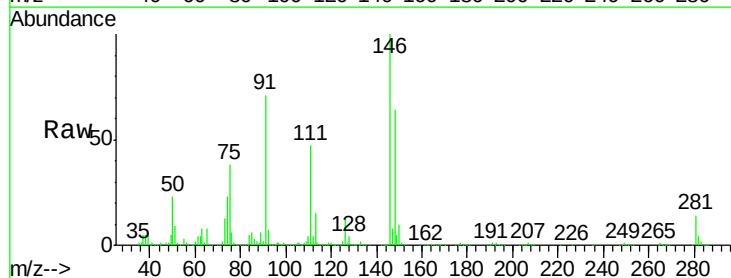
Manual Integrations
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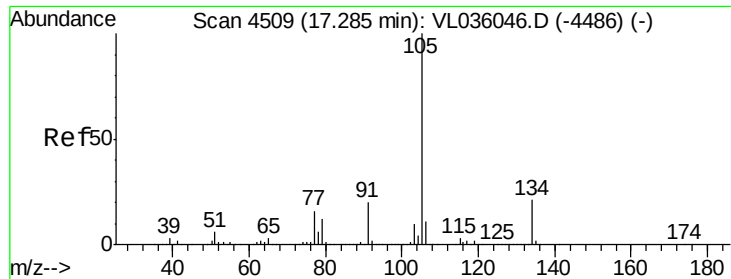
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#66
Benzyl Chloride
Concen: 7.481 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.03 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 91 Resp: 1434006
Ion Ratio Lower Upper
91 100
126 17.9 16.0 24.0
128 5.9 5.0 7.4





#67

sec-Butylbenzene

Concen: 8.704 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 6802675

Ion Ratio Lower Upper

105 100

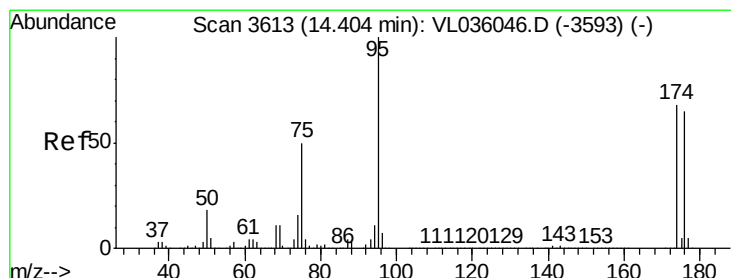
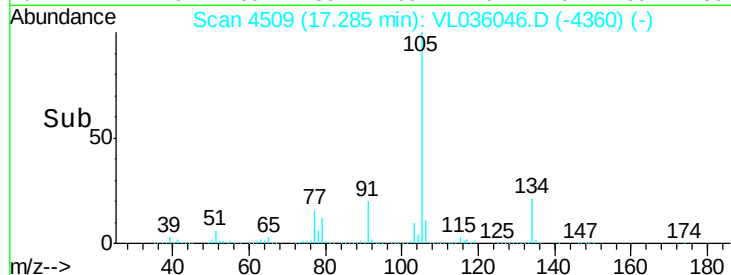
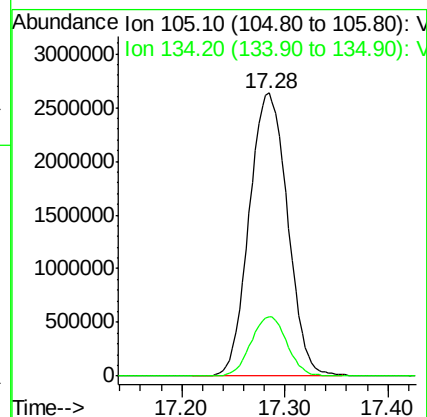
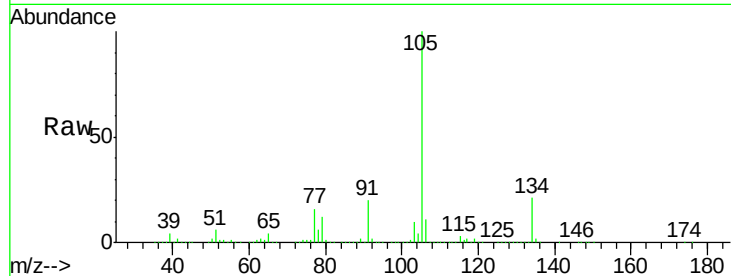
134 19.8 17.0 25.6

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 11.248 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

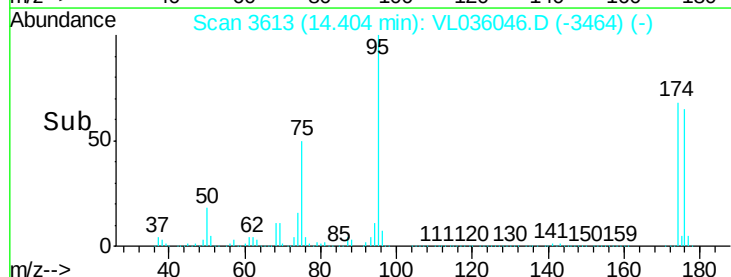
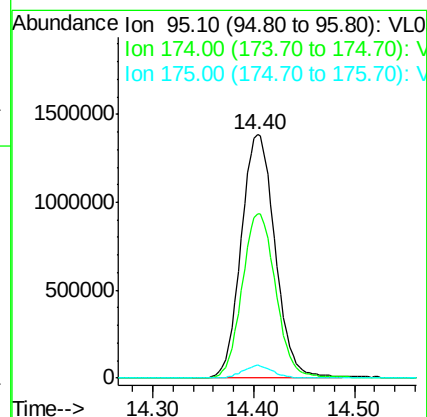
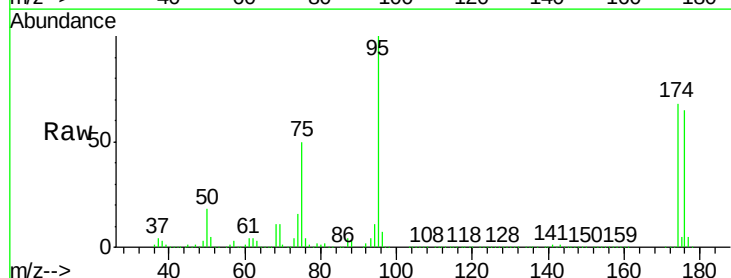
Tgt Ion: 95 Resp: 3231965

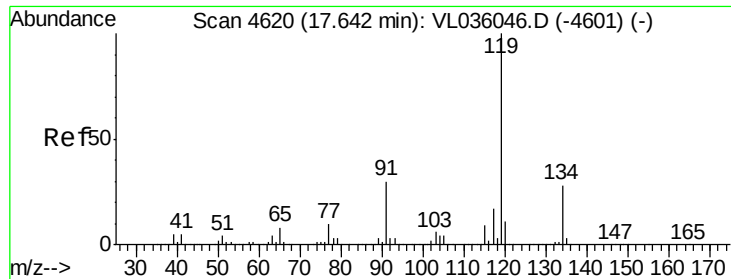
Ion Ratio Lower Upper

95 100

174 67.7 59.8 89.6

175 4.8 4.3 6.5





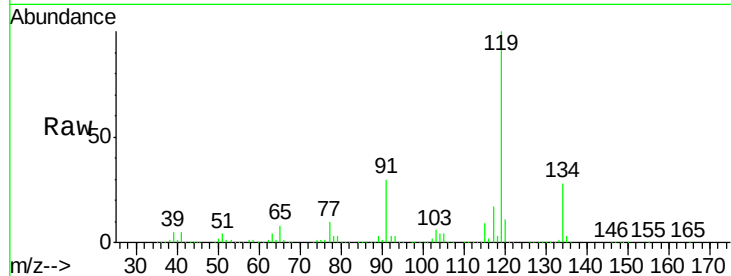
#69
p-Isopropyltoluene
Concen: 8.425 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. -0.03 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

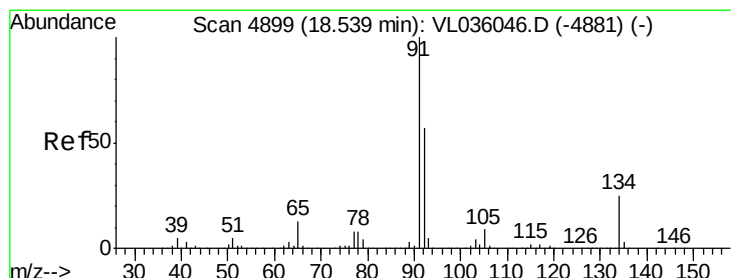
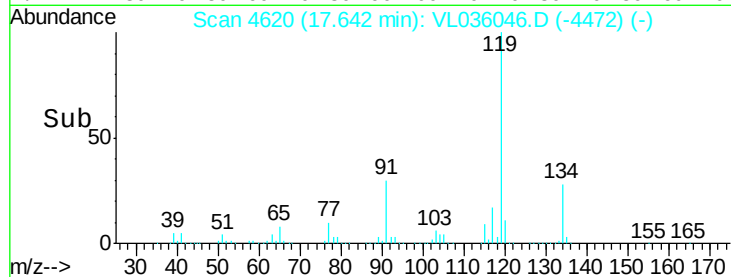
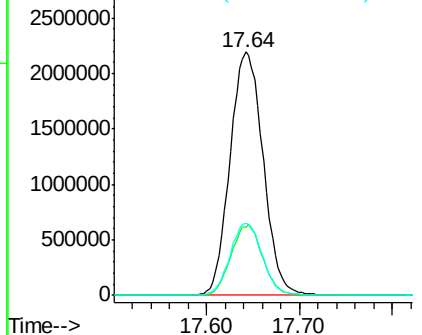
Tot Ion:119 Resp: 5433942
Ion Ratio Lower Upper
119 100
134 27.7 23.0 34.6
91 29.0 22.8 34.2

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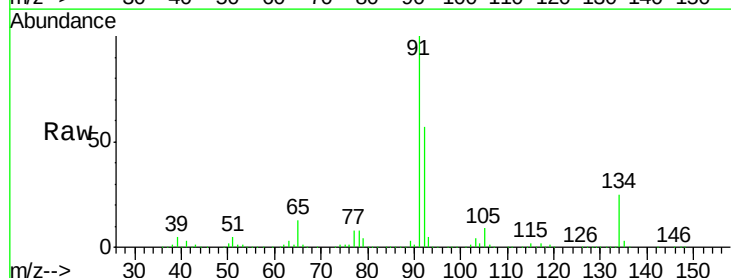


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

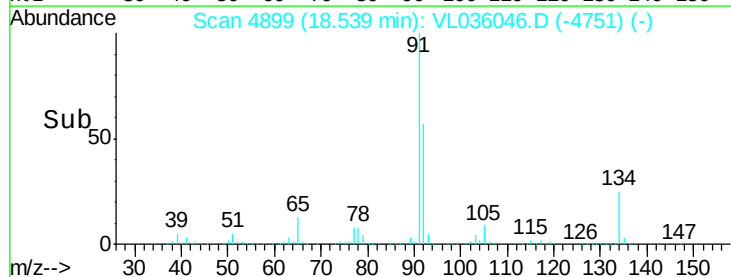
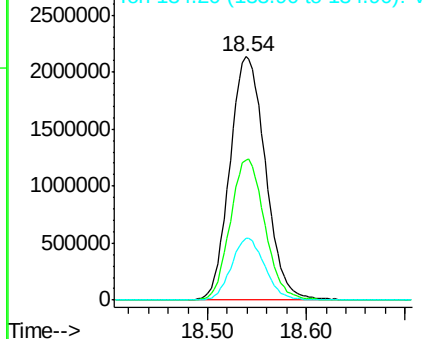


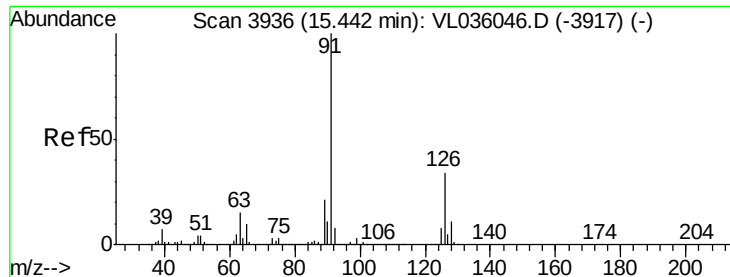
#70
n-Butylbenzene
Concen: 8.612 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. -0.03 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 91 Resp: 5349111
Ion Ratio Lower Upper
91 100
92 56.5 45.7 68.5
134 24.0 21.0 31.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





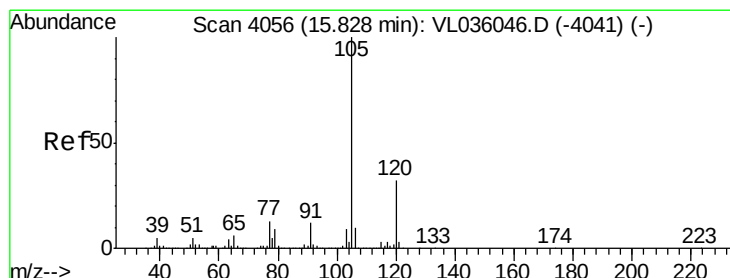
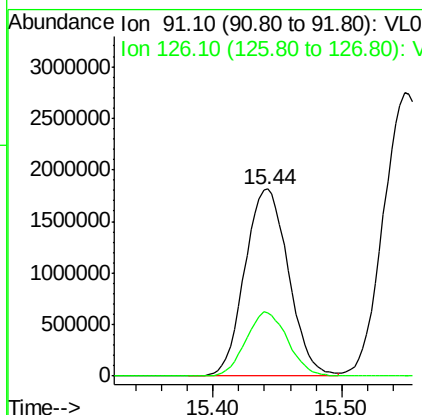
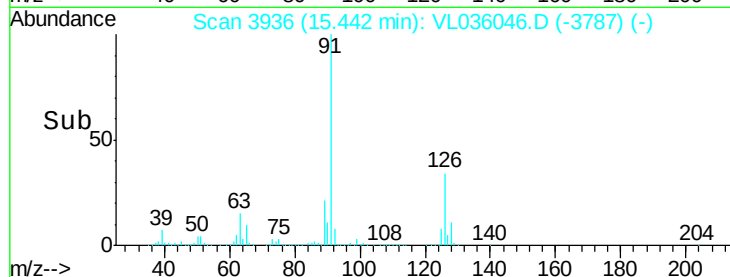
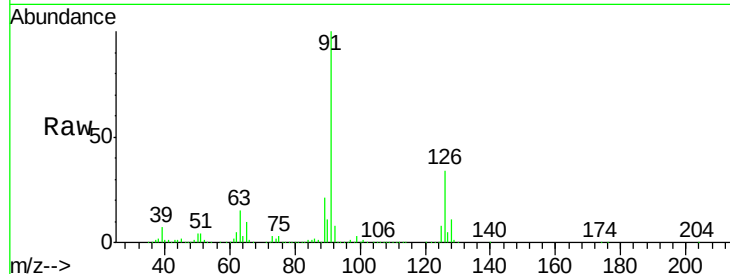
#71
2-Chlorotoluene
Concen: 9.178 ppbv
RT: 15.44 min Scan# 3936
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 4277490
Ion Ratio Lower Upper
91 100
126 33.1 14.3 57.1

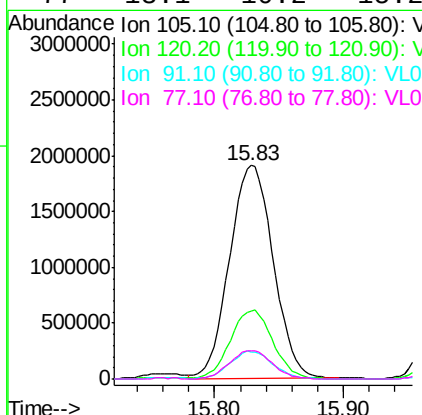
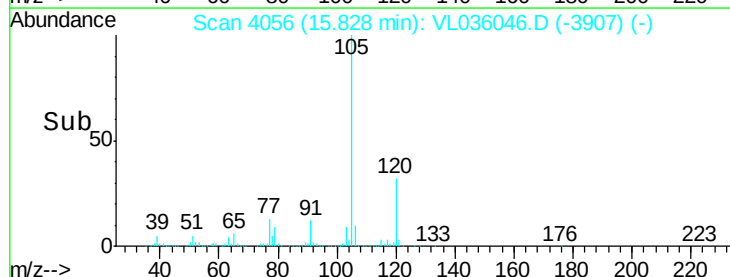
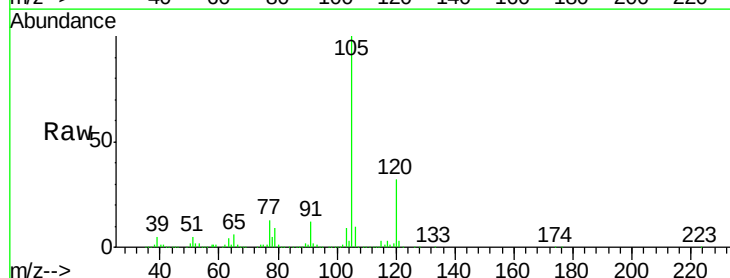
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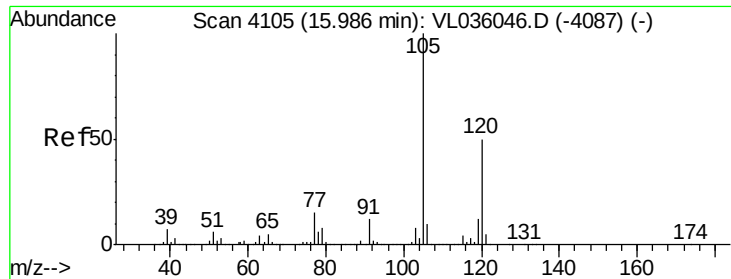
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#72
4-Ethyltoluene
Concen: 9.136 ppbv
RT: 15.83 min Scan# 4056
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion: 105 Resp: 4491991
Ion Ratio Lower Upper
105 100
120 31.6 25.9 38.9
91 12.6 9.9 14.9
77 13.1 10.2 15.2





#73

1,3,5-Trimethylbenzene

Concen: 9.140 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.03 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 4112510

Ion Ratio Lower Upper

105 100

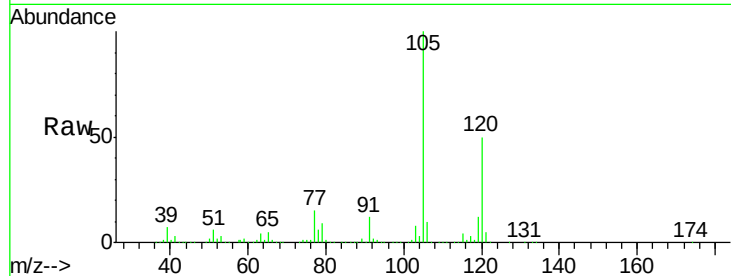
120 49.8 41.4 62.2

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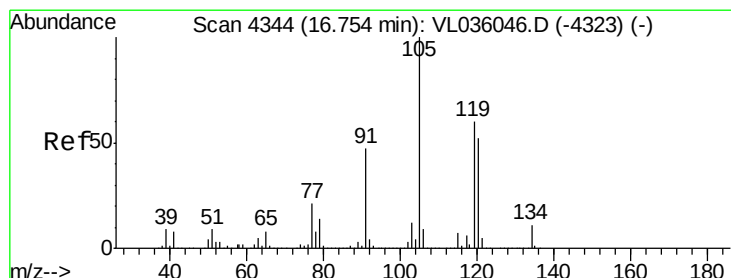
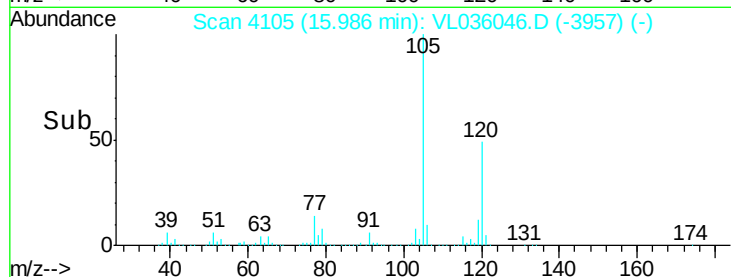
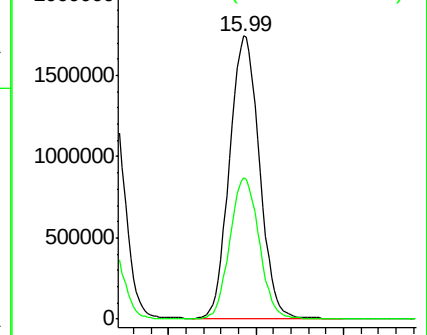
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.952 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.02 min

Lab File: VL036046.D

Acq: 3 Dec 2020 9:48

Tgt Ion:105 Resp: 4315639

Ion Ratio Lower Upper

105 100

120 51.9 42.0 63.0

91 47.6 41.0 61.6

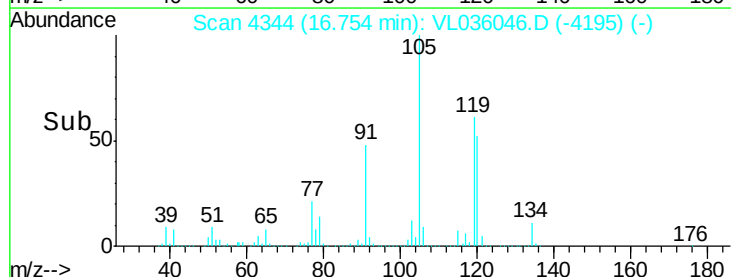
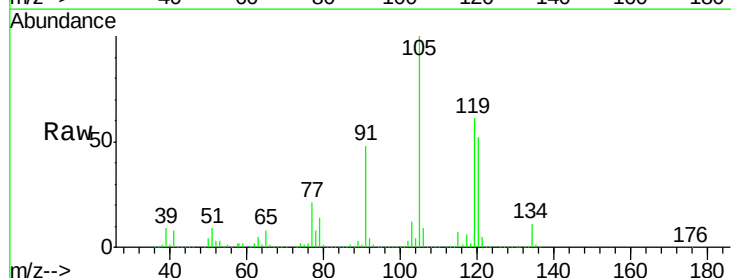
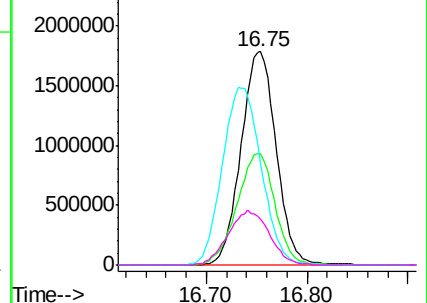
77 21.2 17.3 25.9

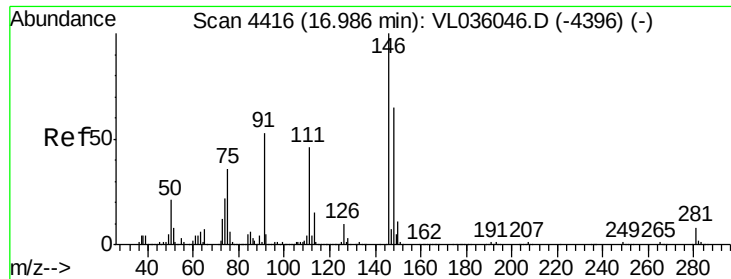
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





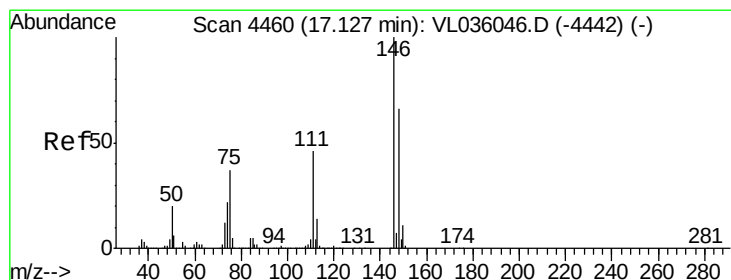
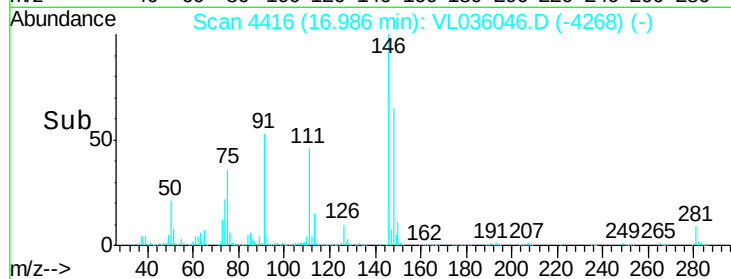
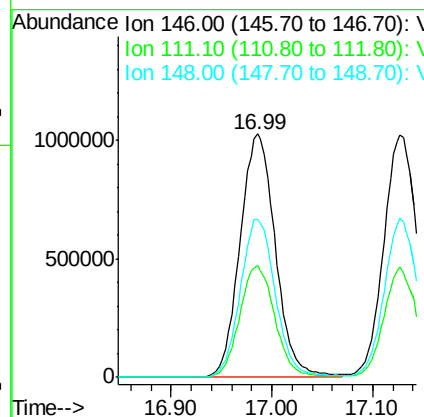
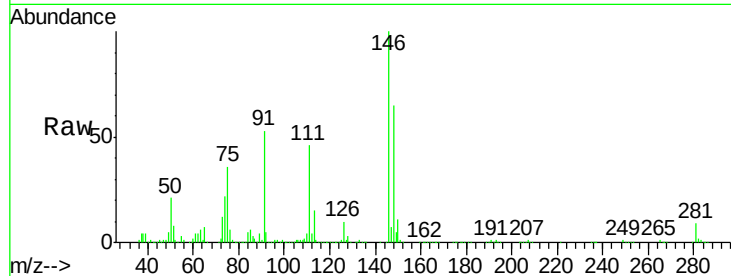
#75
 1,3-Dichlorobenzene
 Concen: 8.131 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. -0.03 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 2496003
 Ion Ratio Lower Upper
 146 100
 111 45.8 21.8 65.4
 148 64.7 32.5 97.5

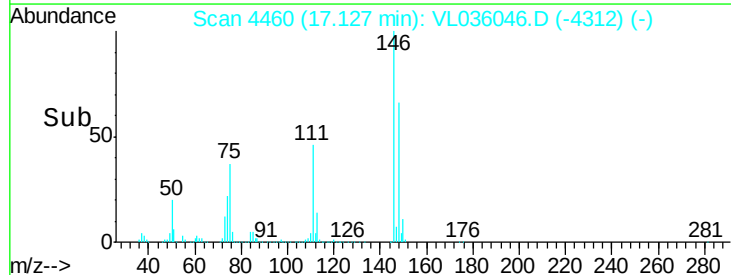
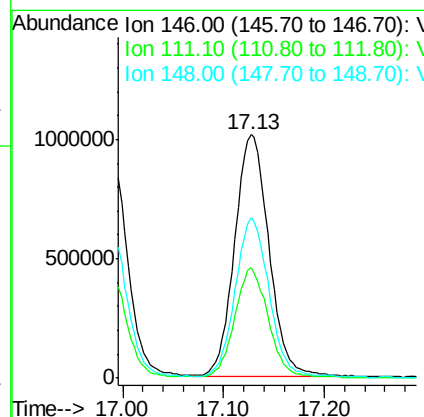
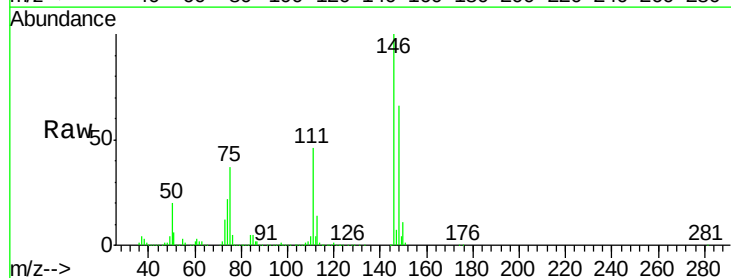
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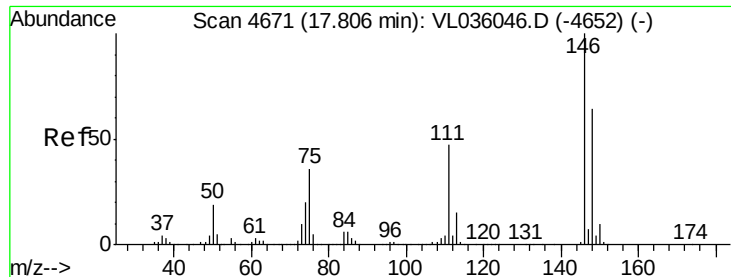
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#76
 1,4-Dichlorobenzene
 Concen: 8.108 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. -0.03 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion:146 Resp: 2400897
 Ion Ratio Lower Upper
 146 100
 111 44.8 21.3 63.7
 148 65.9 33.0 99.0





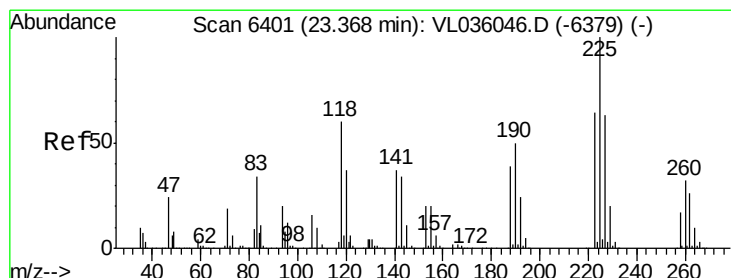
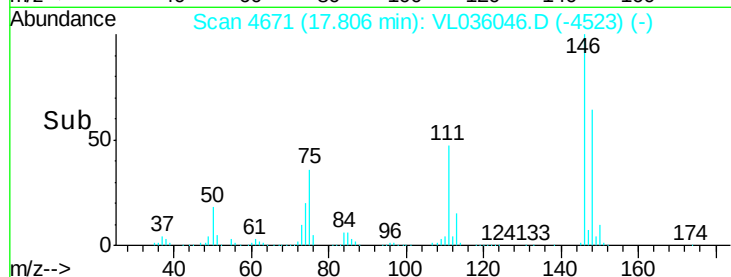
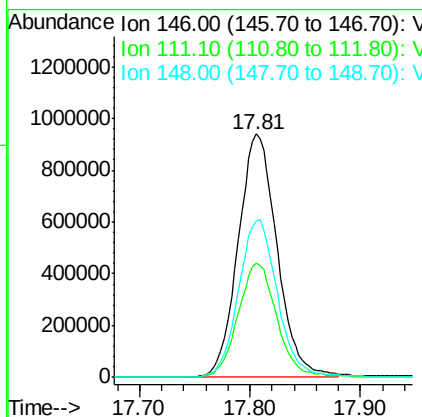
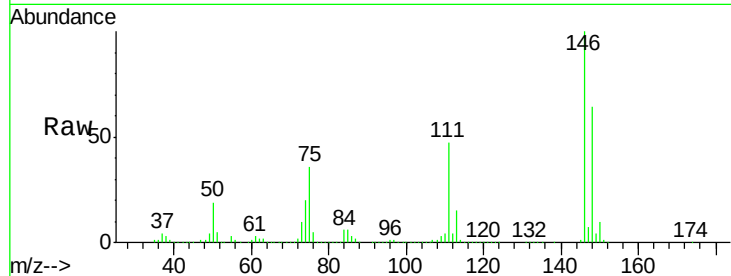
#77
 1,2-Dichlorobenzene
 Concen: 7.657 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.03 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 2291244
 Ion Ratio Lower Upper
 146 100
 111 47.1 22.4 67.0
 148 65.0 32.5 97.5

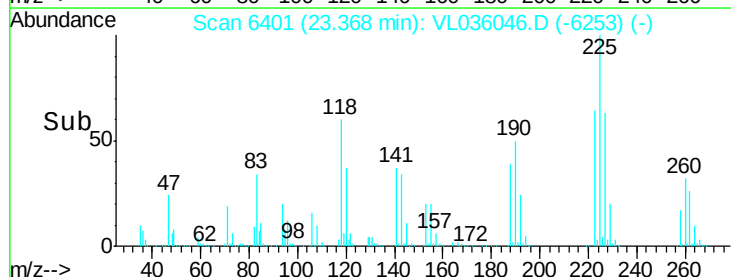
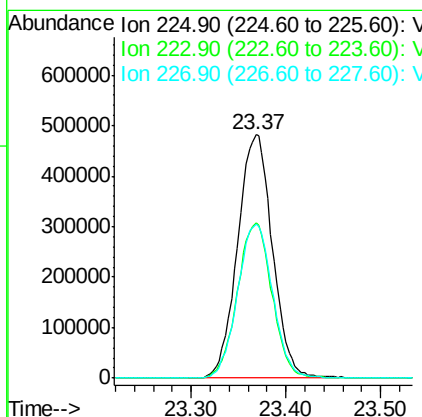
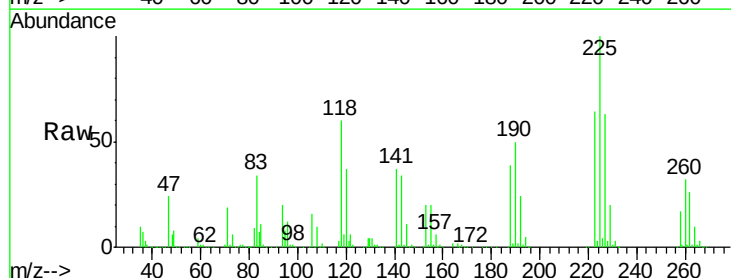
Manual Integrations
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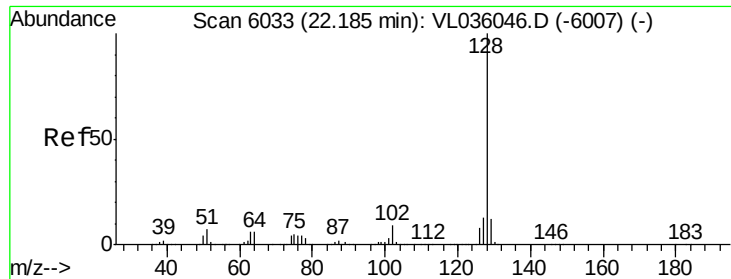
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.847 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. -0.03 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Tgt Ion:225 Resp: 1235236
 Ion Ratio Lower Upper
 225 100
 223 63.7 51.0 76.6
 227 64.0 51.2 76.8





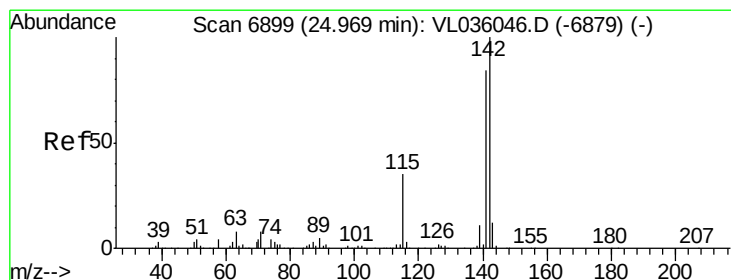
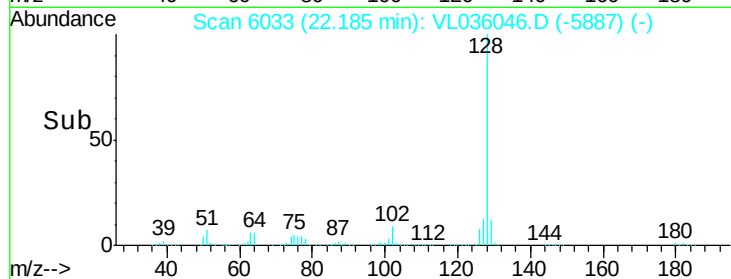
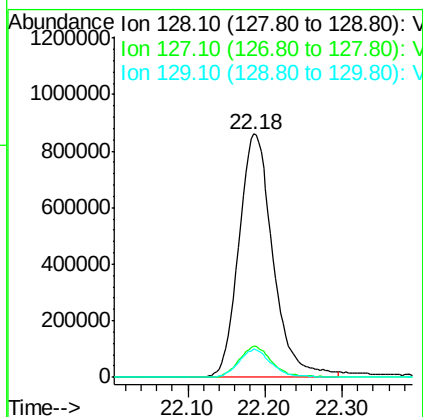
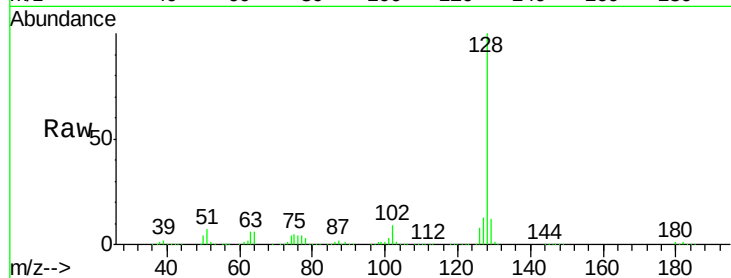
#79
Naphthalene
Concen: 7.852 ppbv
RT: 22.18 min Scan# 6033
Delta R.T. -0.03 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.6	9.2	13.8

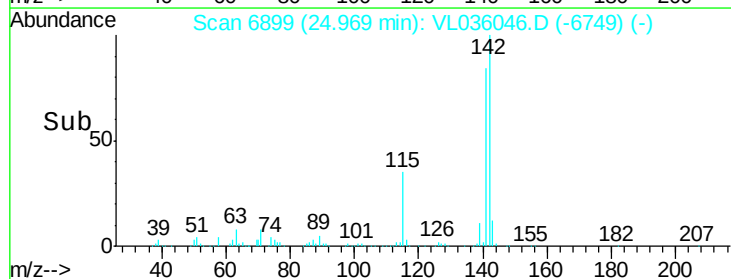
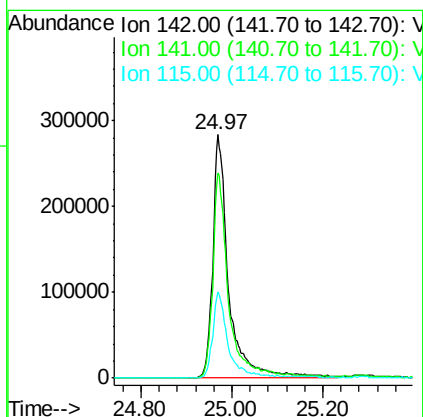
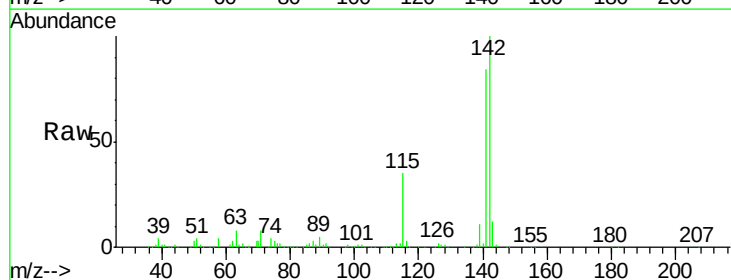
Manual Integrations
APPROVED

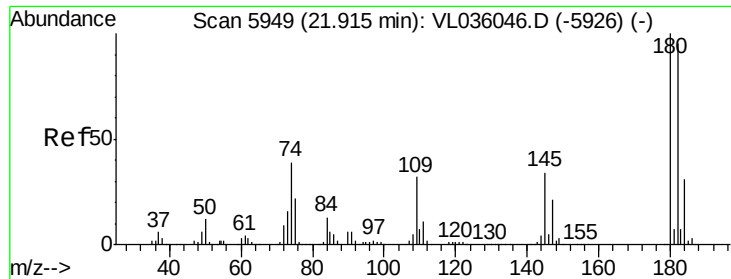
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#80
Naphthalene, 2-methyl-
Concen: 12.693 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. -0.02 min
Lab File: VL036046.D
Acq: 3 Dec 2020 9:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.8	67.8	101.8
115	34.9	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 8.291 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. -0.03 min
 Lab File: VL036046.D
 Acq: 3 Dec 2020 9:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	77.2	115.8
184	31.3	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
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