

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092920\
 Data File : VL035726.D
 Acq On : 29 Sep 2020 15:26
 Operator : SY/AP
 Sample : VL0929ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0929ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 5:32:12 PM

Quant Time: Sep 30 02:53:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1163709	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4466533	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	4637526m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	3395095	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1765867	9.248	ppbv 98
3) Chlorodifluoromethane	2.99	51	1188768	9.495	ppbv 100
4) Chloromethane	3.14	50	644476	9.583	ppbv 99
5) Vinyl Chloride	3.26	62	757298	9.520	ppbv 100
6) Bromomethane	3.47	94	631290	9.388	ppbv 97
7) Chloroethane	3.56	64	275902	9.457	ppbv 99
8) Dichlorotetrafluoroethane	3.19	85	2141294	9.246	ppbv 99
9) Propene	3.01	41	456621	10.045	ppbv 100
10) Heptane	8.15	43	1351774	10.667	ppbv 100
11) Trichlorofluoromethane	3.96	101	2546590	9.347	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1884268	9.278	ppbv 100
13) Ethanol	3.62	45	87330	7.791	ppbv 99
14) Bromoethene	3.75	108	839249	9.810	ppbv 100
15) Acetone	3.86	43	1017863	8.129	ppbv 99
16) 1,3-Butadiene	3.33	39	474846	10.366	ppbv 99
17) tert-Butyl alcohol	4.30	59	1362801	9.991	ppbv 100
18) 1,1-Dichloroethene	4.30	96	874611	9.836	ppbv 97
19) Isopropyl Alcohol	3.98	45	637390	9.358	ppbv 100
20) Methylene Chloride	4.35	84	721719	7.847	ppbv 99
21) Allyl Chloride	4.42	41	604754	9.964	ppbv 100
22) trans-1,2-Dichloroethene	4.90	96	906495	9.649	ppbv 99
23) Vinyl Acetate	5.09	43	1634165	10.655	ppbv 99
24) 1,1-Dichloroethane	5.02	63	1598123	9.566	ppbv 100
25) Ethyl Acetate	5.69	43	2188717	9.714	ppbv 100
26) Hexane	5.70	57	1219825	9.880	ppbv 99
27) Carbon Disulfide	4.56	76	1914157	10.401	ppbv 100
28) Methyl tert-Butyl Ether	5.05	73	2076792	10.611	ppbv 100
29) Chloroform	5.77	83	2415848	9.635	ppbv 99
30) Cyclohexane	7.15	84	1333102	10.943	ppbv 100
31) cis-1,2-Dichloroethene	5.56	61	1285484	10.785	ppbv 98
32) 1,1,1-Trichloroethane	6.53	97	2353805	10.649	ppbv 100
34) 2-Butanone	5.26	43	1494325	10.115	ppbv 100
35) Carbon Tetrachloride	7.04	117	2441940	10.486	ppbv 99
36) Benzene	6.91	78	3028926	10.407	ppbv 100
37) 1,2-Dichloroethane	6.33	62	1492516	9.839	ppbv 100
38) Trichloroethene	7.86	130	1538825	10.599	ppbv 99
39) 1,2-Dichloropropane	7.64	63	1053356	9.985	ppbv 99
40) 1,4-Dioxane	7.85	88	472894	9.802	ppbv 86
41) Tetrahydrofuran	6.07	42	851673	11.443	ppbv 99
42) Bromodichloromethane	7.82	83	2512410	10.282	ppbv 100
43) Methyl Methacrylate	8.04	69	1288055	11.128	ppbv 99

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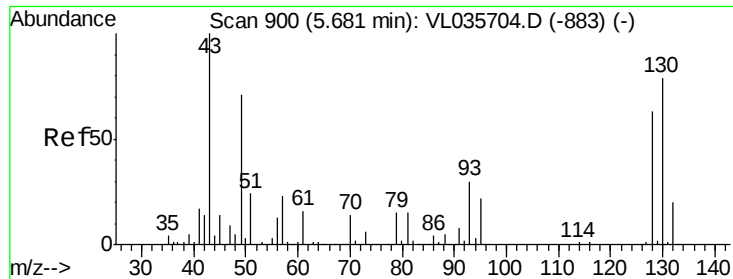
Manual Integrations
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MMDadoda
 9/30/2020 5:32:12 PM

Quant Time: Sep 30 02:53:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4145838	9.927	ppbv	100
45) t-1,3-Dichloropropene	9.31	75	1438154	12.306	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1721628	11.951	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	1484681	9.826	ppbv	99
48) Dibromochloromethane	10.34	129	2521024	10.963	ppbv	100
49) Bromoform	13.08	173	2251857	11.541	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2256019	10.455	ppbv	100
51) 2-Hexanone	10.16	43	1880161	10.815	ppbv	100
52) Tetrachloroethene	11.26	164	1444543	10.321	ppbv	99
53) Toluene	9.83	91	3814985	11.116	ppbv	100
54) 1,2-Dibromoethane	10.65	107	2322101	10.263	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.16	131	1941110	9.982	ppbv	99
57) Chlorobenzene	12.18	112	3235809	9.238	ppbv	98
58) Ethyl Benzene	12.74	91	4961230	10.659	ppbv	99
59) m/p-Xylene	13.03	91	8184949m	20.136	ppbv	
60) o-Xylene	13.73	91	4158937	10.114	ppbv	100
61) Styrene	13.56	104	3254845	11.448	ppbv	99
62) Isopropylbenzene	14.71	105	6281869	9.849	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.72	83	3042463	9.023	ppbv	100
64) n-propylbenzene	15.60	120	1927471	10.326	ppbv	100
65) tert-Butylbenzene	16.79	119	5799488	10.001	ppbv	99
66) Benzyl Chloride	17.03	91	2061297	11.733	ppbv	100
67) sec-Butylbenzene	17.34	105	7748078	9.676	ppbv	100
69) p-Isopropyltoluene	17.70	119	6524935	10.016	ppbv	99
70) n-Butylbenzene	18.59	91	6443113	9.604	ppbv	99
71) 2-Chlorotoluene	15.49	91	4781139	10.277	ppbv	100
72) 4-Ethyltoluene	15.88	105	5089950	10.449	ppbv	100
73) 1,3,5-Trimethylbenzene	16.04	105	4723491	10.262	ppbv	97
74) 1,2,4-Trimethylbenzene	16.81	105	4929022	9.499	ppbv	98
75) 1,3-Dichlorobenzene	17.04	146	3286888	9.278	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	3266327	9.646	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	3196559	9.553	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1747130	9.464	ppbv	99
79) Naphthalene	22.25	128	4715019	9.527	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1217534	10.430	ppbv	100
81) 1,2,4-Trichlorobenzene	21.98	180	2495922	9.731	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 49 Resp: 1163709

Ion Ratio Lower Upper

49 100

128 85.3 43.1 129.4

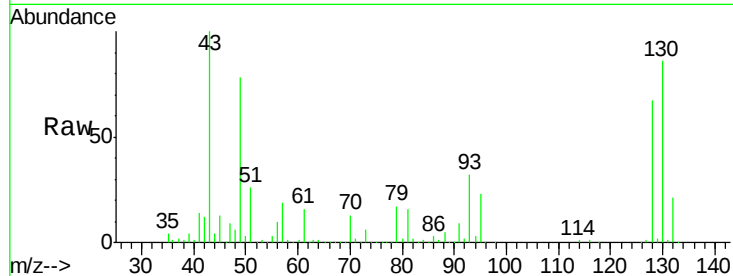
130 109.3 54.9 164.7

Manual Integrations

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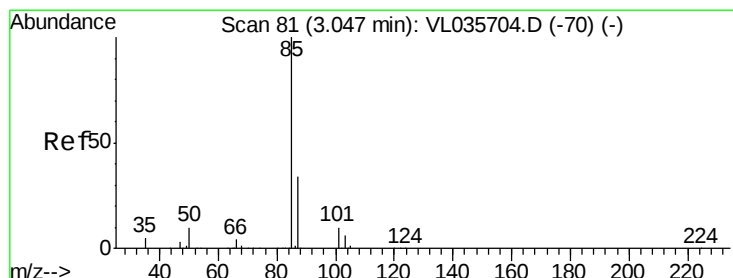
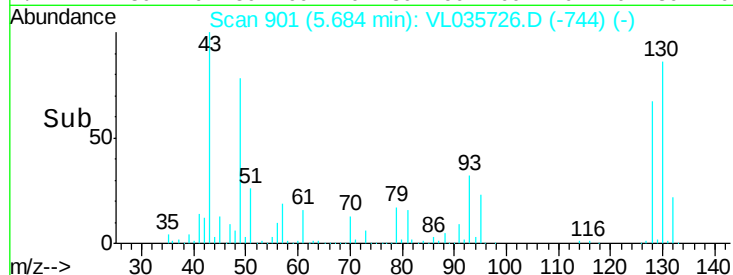
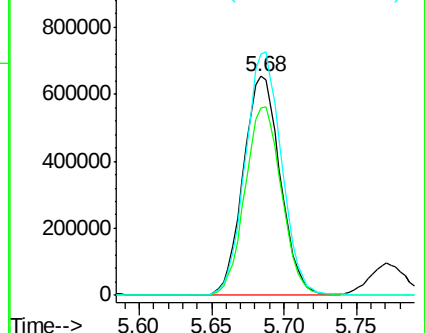
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.248 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL035726.D

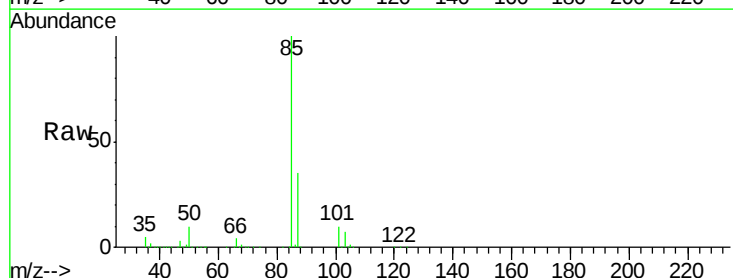
Acq: 29 Sep 2020 15:26

Tgt Ion: 85 Resp: 1765867

Ion Ratio Lower Upper

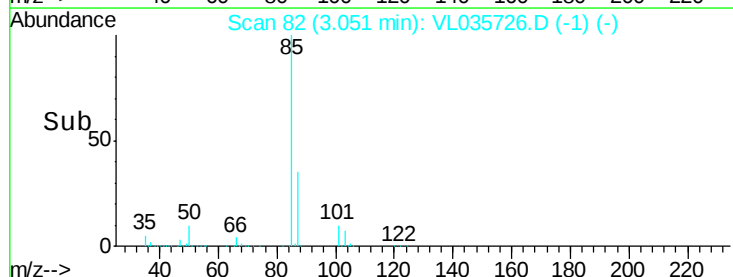
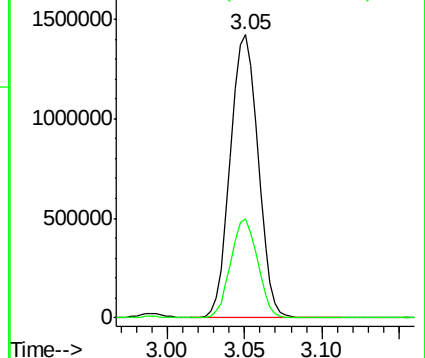
85 100

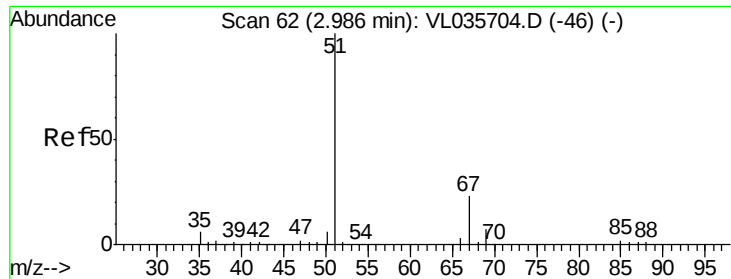
87 35.1 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.495 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tot Ion: 51 Resp: 1188768

Ion Ratio Lower Upper

51 100

67 22.1 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

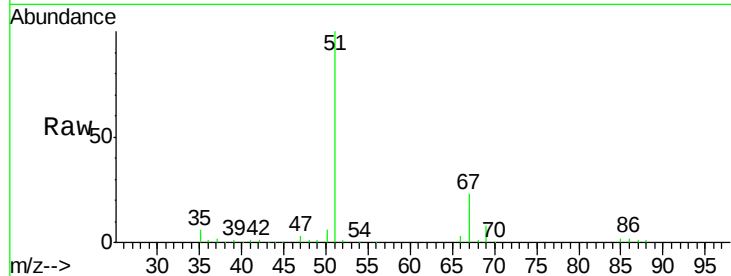
VL0929ABS01

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.99

1000000

800000

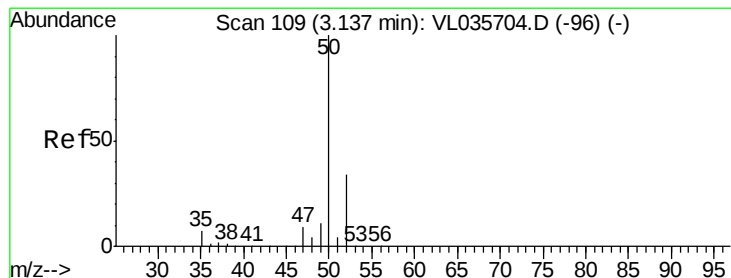
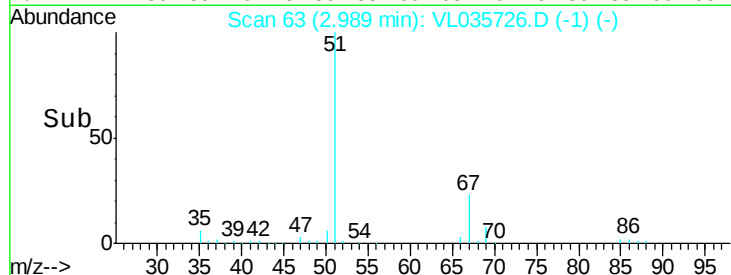
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.583 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035726.D

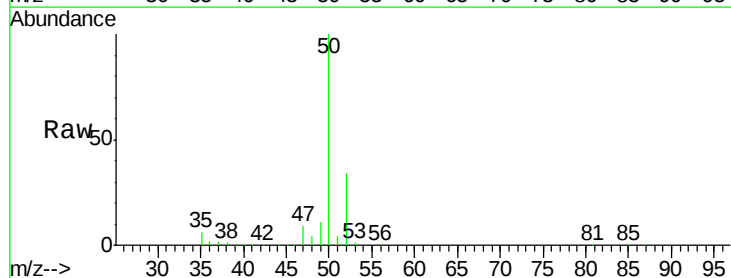
Acq: 29 Sep 2020 15:26

Tgt Ion: 50 Resp: 644476

Ion Ratio Lower Upper

50 100

52 33.8 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.14

500000

400000

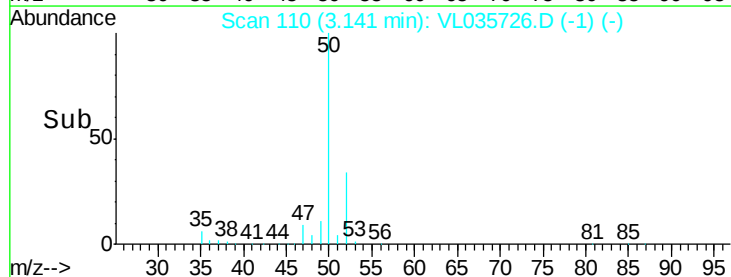
300000

200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.520 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 62 Resp: 757298

Ion Ratio Lower Upper

62 100

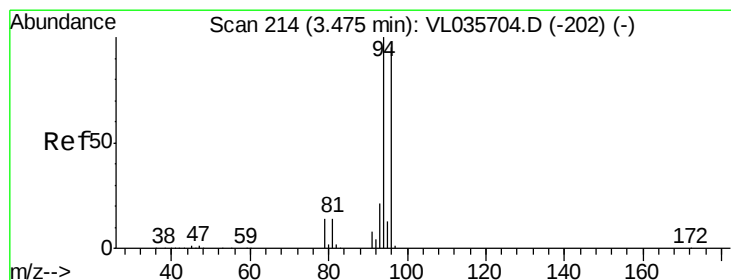
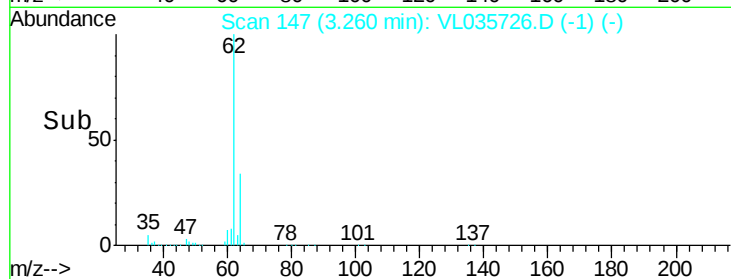
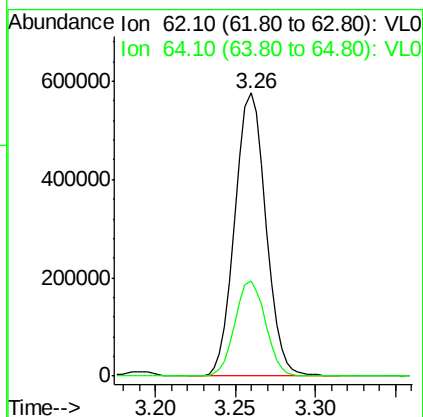
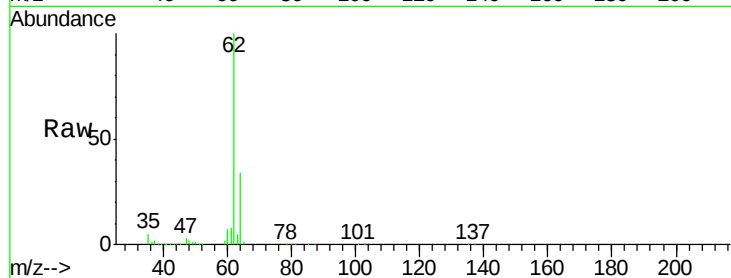
64 33.5 26.8 40.2

Manual Integrations

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#6

Bromomethane

Concen: 9.388 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.00 min

Lab File: VL035726.D

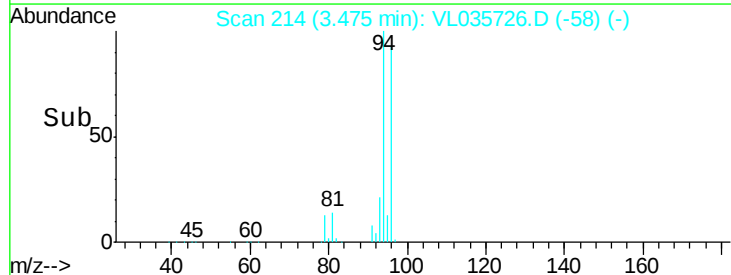
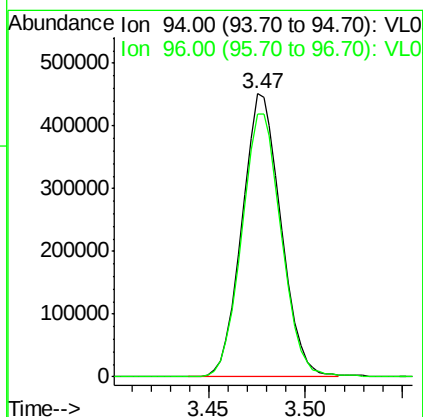
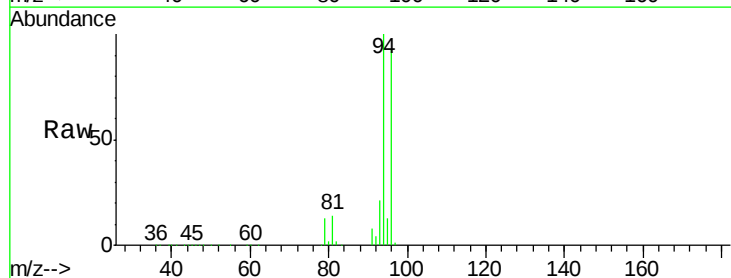
Acq: 29 Sep 2020 15:26

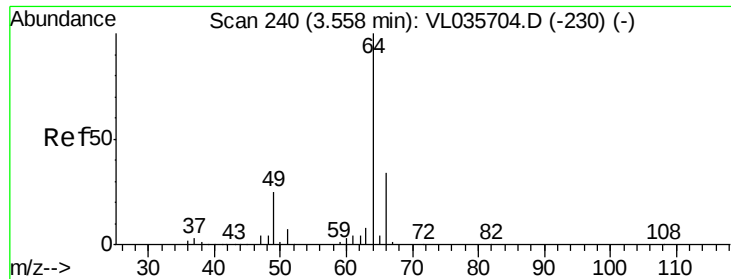
Tgt Ion: 94 Resp: 631290

Ion Ratio Lower Upper

94 100

96 92.9 76.3 114.5





#7

Chloroethane

Concen: 9.457 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 64 Resp: 275902

Ion Ratio Lower Upper

64 100

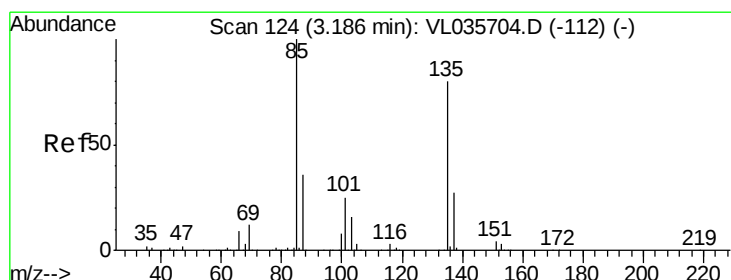
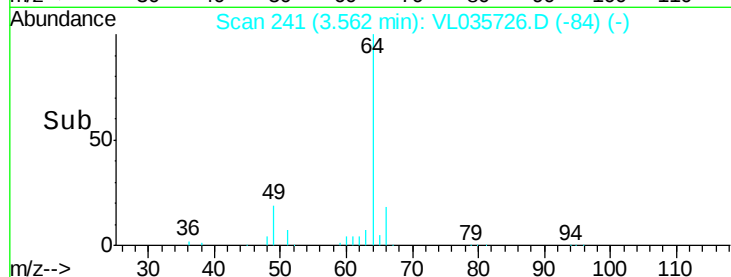
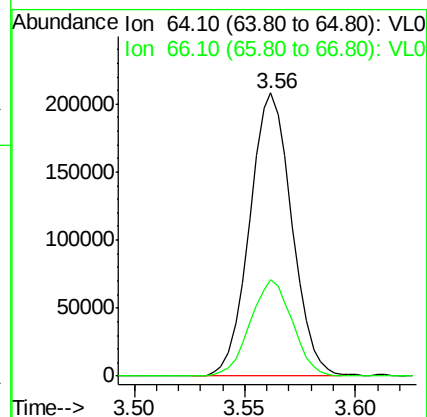
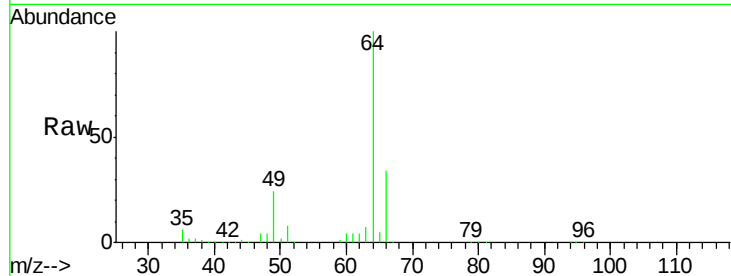
66 34.0 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.246 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL035726.D

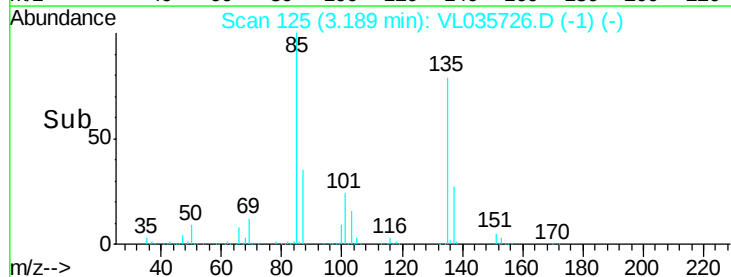
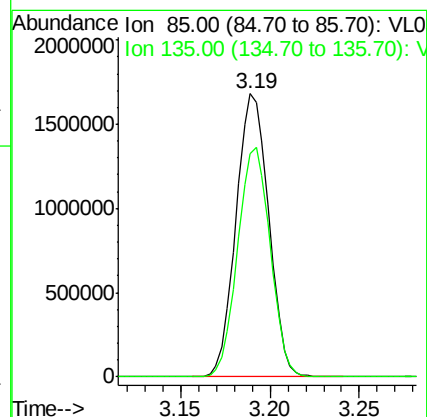
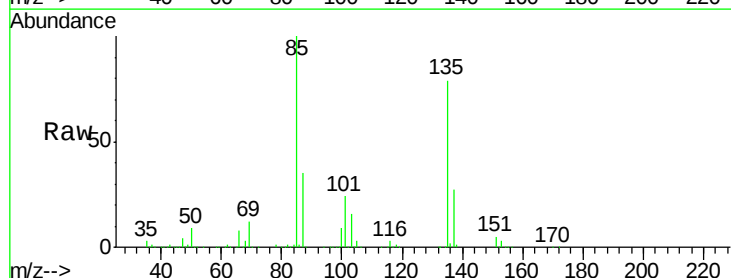
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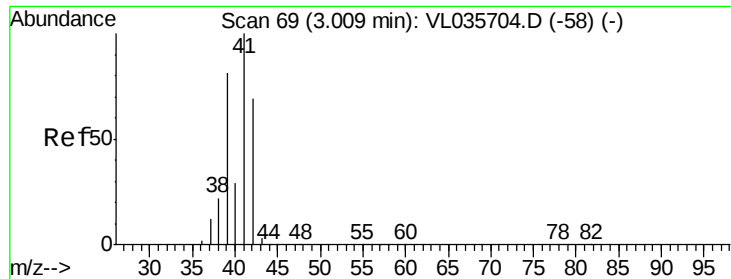
Tgt Ion: 85 Resp: 2141294

Ion Ratio Lower Upper

85 100

135 81.1 64.3 96.5





#9

Propene

Concen: 10.045 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

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ClientSampleId :

VL0929ABS01

Tot Ion: 41 Resp: 456621

Ion Ratio Lower Upper

41 100

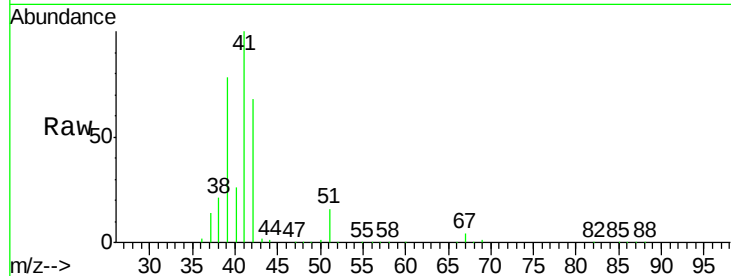
42 70.5 56.2 84.4

Manual Integrations

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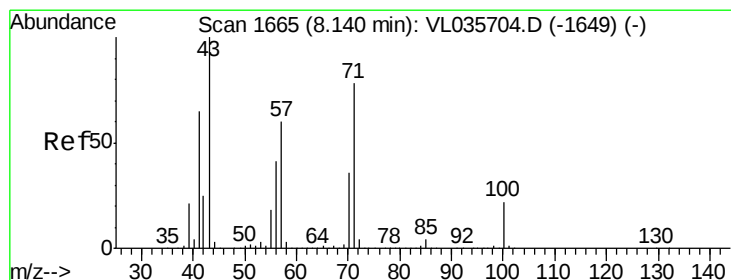
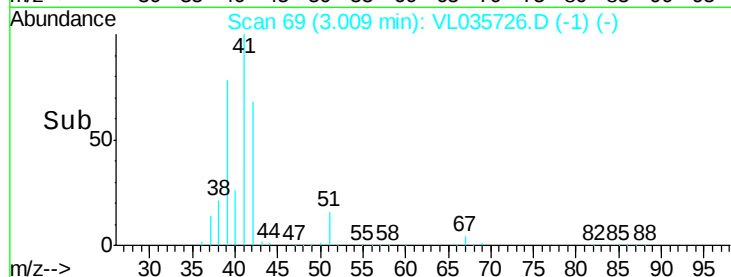
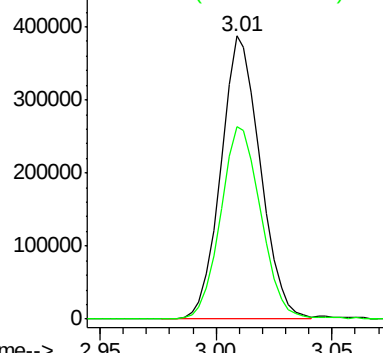
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.667 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. 0.01 min

Lab File: VL035726.D

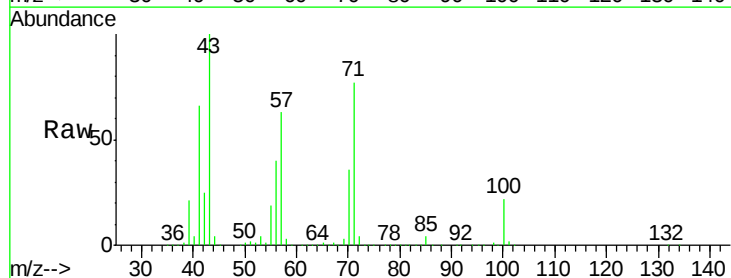
Acq: 29 Sep 2020 15:26

Tgt Ion: 43 Resp: 1351774

Ion Ratio Lower Upper

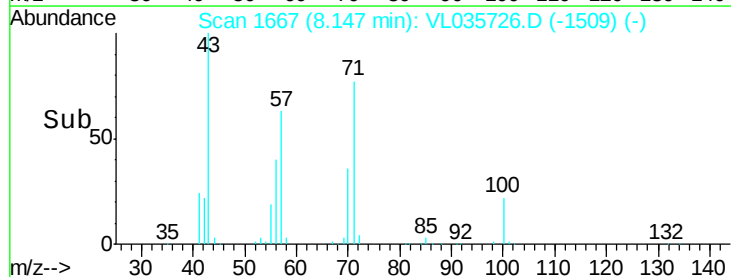
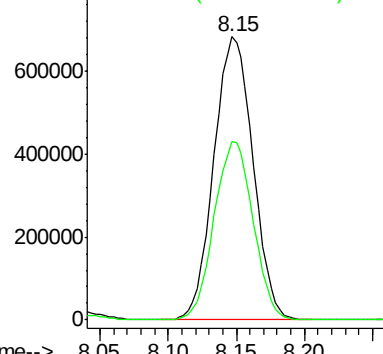
43 100

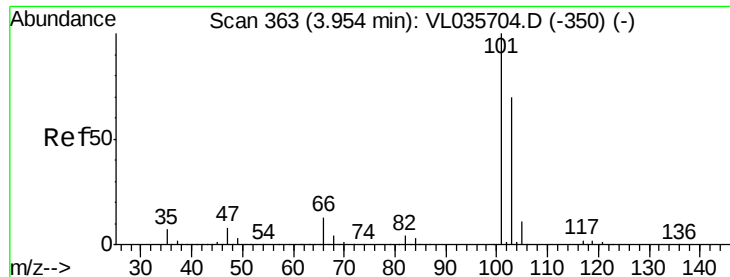
57 62.9 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





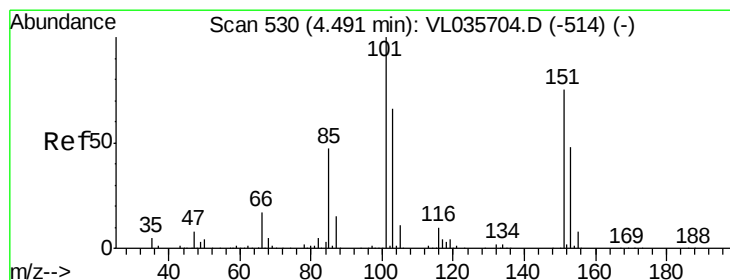
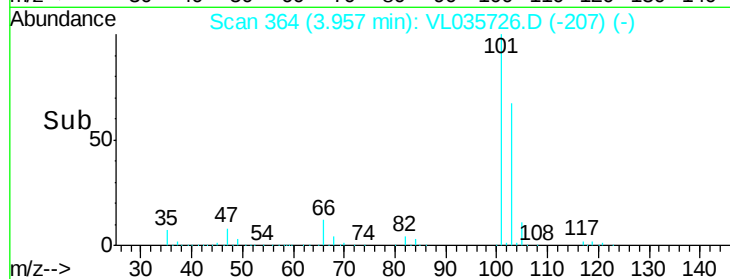
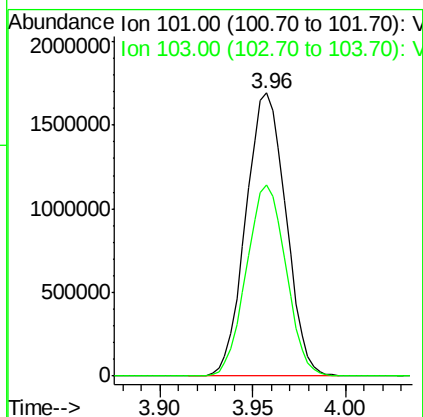
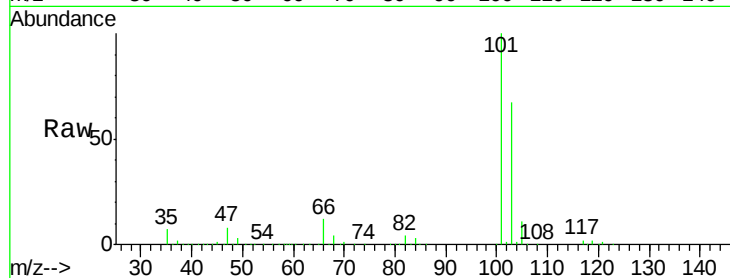
#11
 Trichlorofluoromethane
 Concen: 9.347 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion:101 Resp: 2546590
 Ion Ratio Lower Upper
 101 100
 103 67.3 55.6 83.4

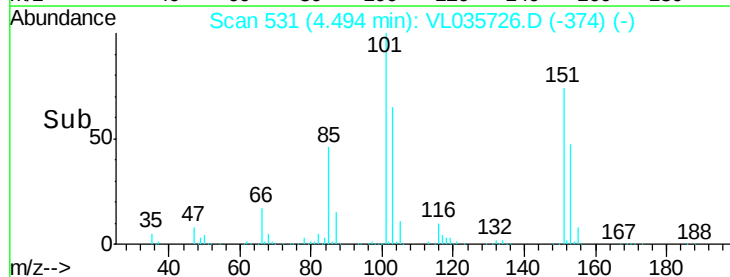
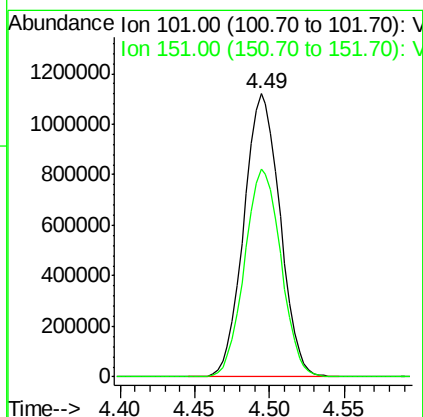
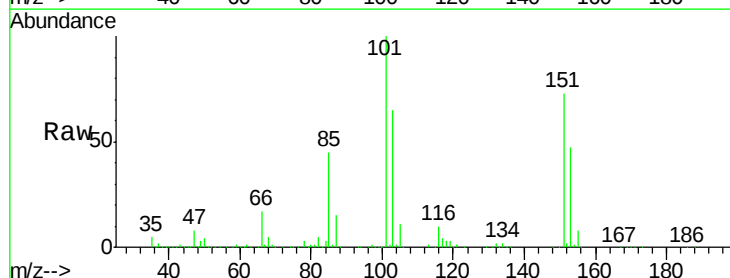
Manual Integrations
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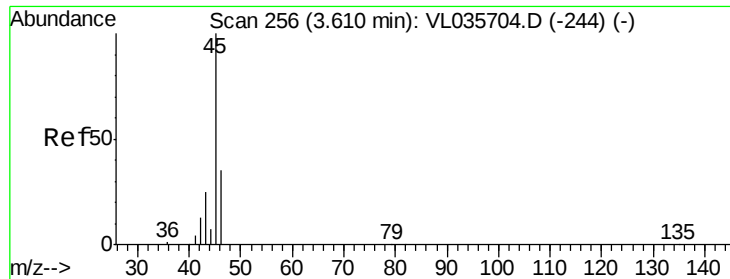
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.278 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion:101 Resp: 1884268
 Ion Ratio Lower Upper
 101 100
 151 74.2 59.1 88.7





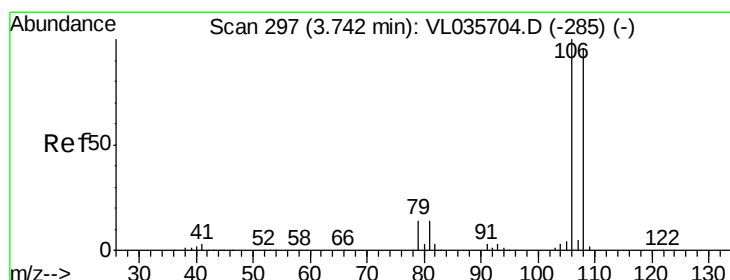
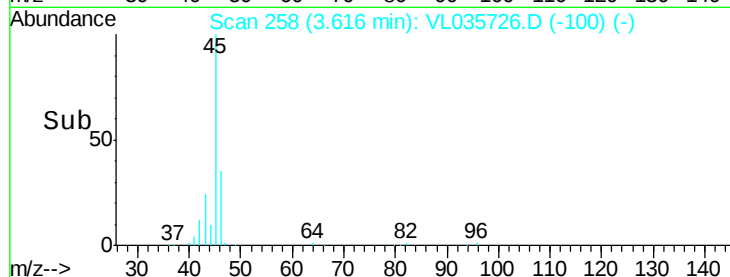
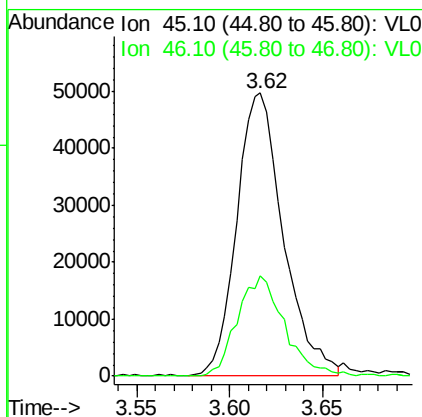
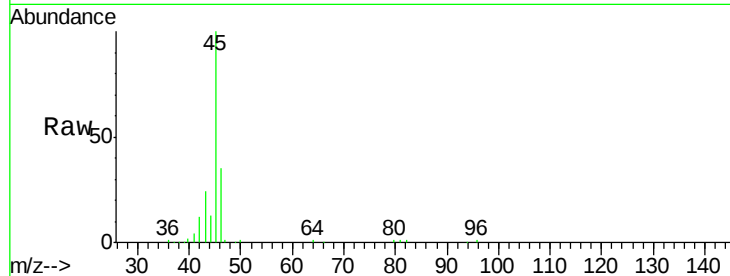
#13
Ethanol
Concen: 7.791 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	36.0			14.7	58.7

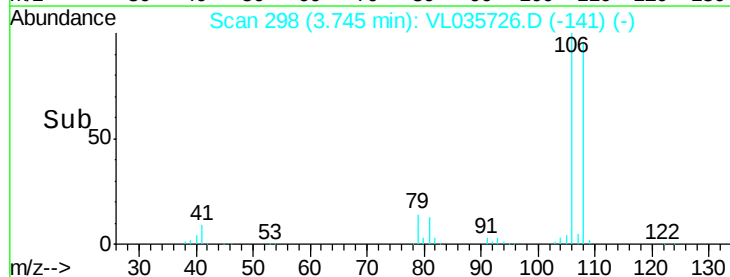
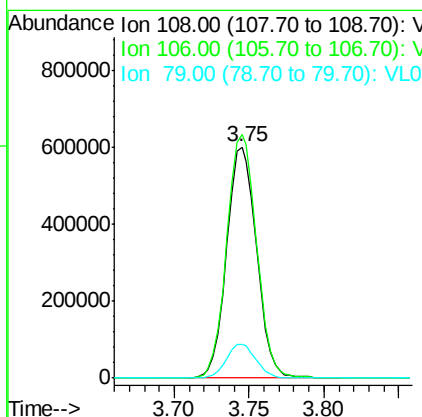
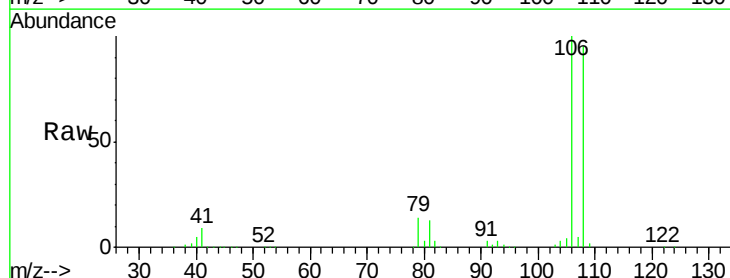
Manual Integrations
APPROVED

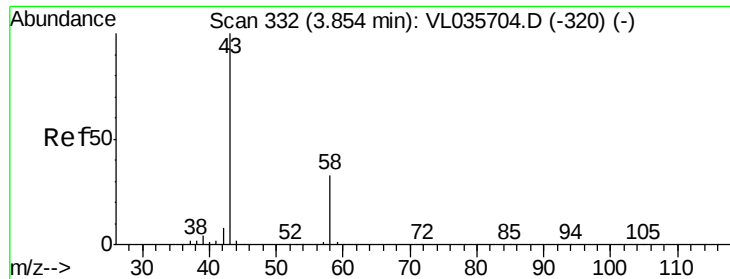
MMDadoda
9/30/2020 5:32:12 PM



#14
Bromoethene
Concen: 9.810 ppbv
RT: 3.75 min Scan# 298
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion	108	106	79	Ratio	Lower	Upper
108	100					
106	105.7			84.6	126.8	
79	14.8			11.6	17.4	





#15

Acetone

Concen: 8.129 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 43 Resp: 1017863

Ion Ratio Lower Upper

43 100

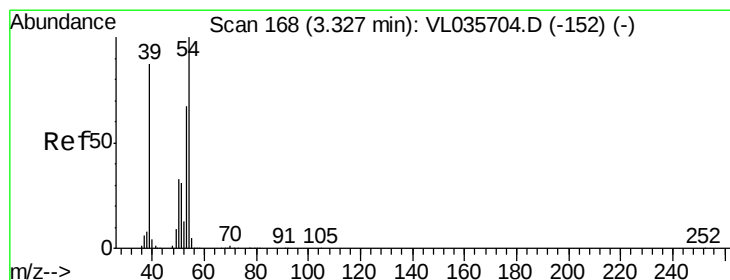
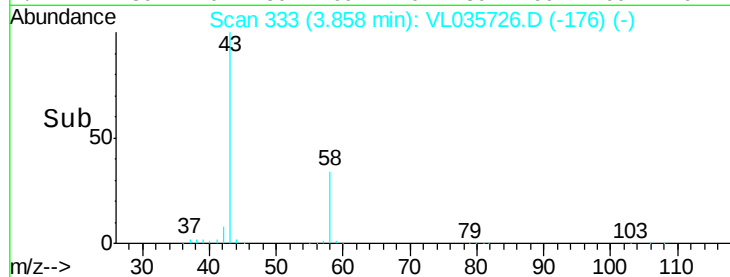
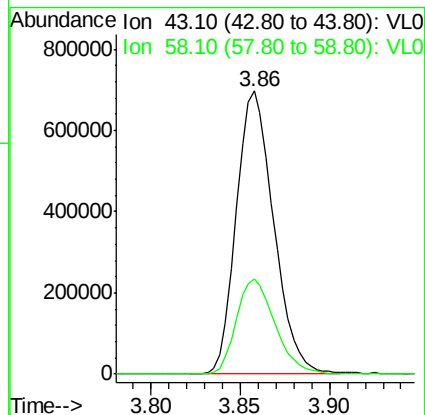
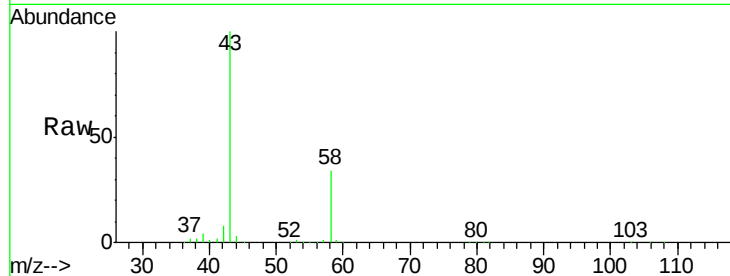
58 34.5 27.3 40.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.366 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.00 min

Lab File: VL035726.D

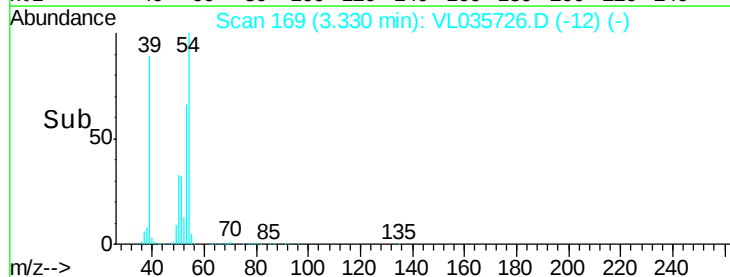
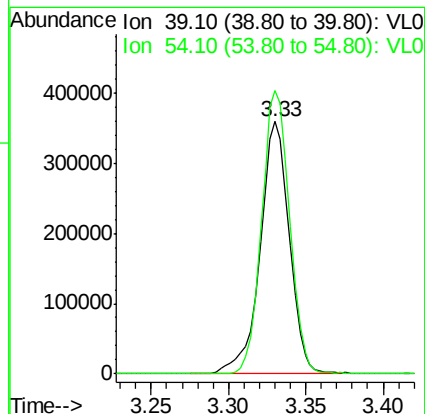
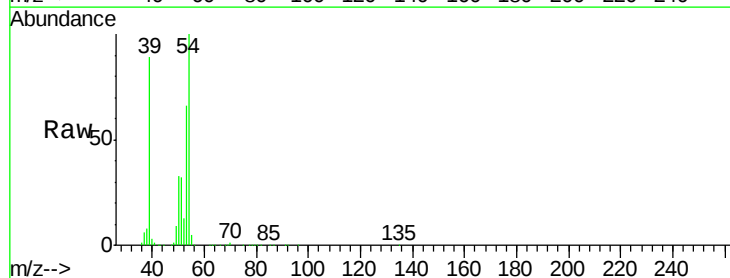
Acq: 29 Sep 2020 15:26

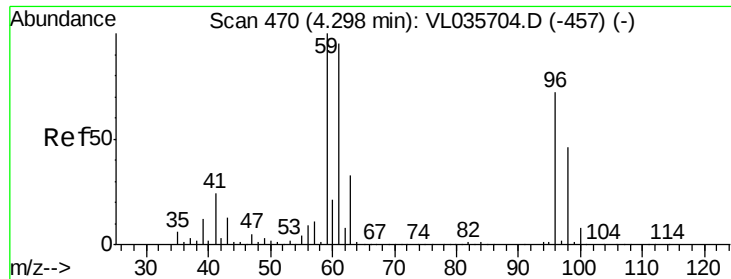
Tgt Ion: 39 Resp: 474846

Ion Ratio Lower Upper

39 100

54 107.7 87.4 131.0





#17

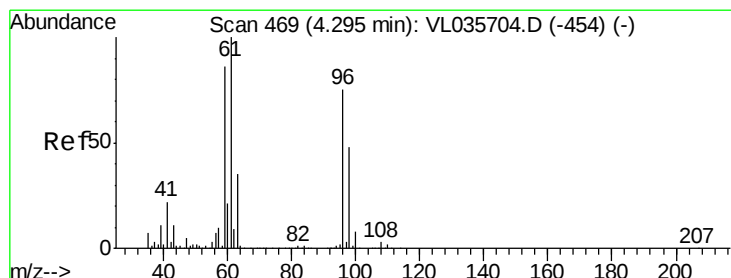
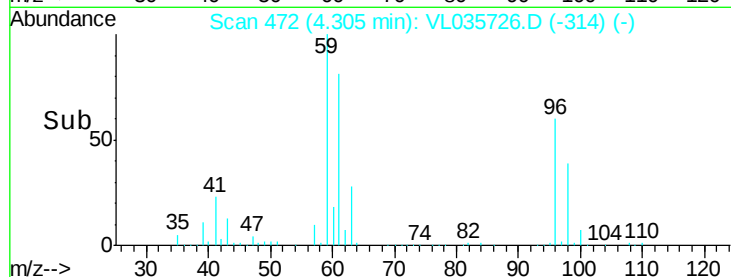
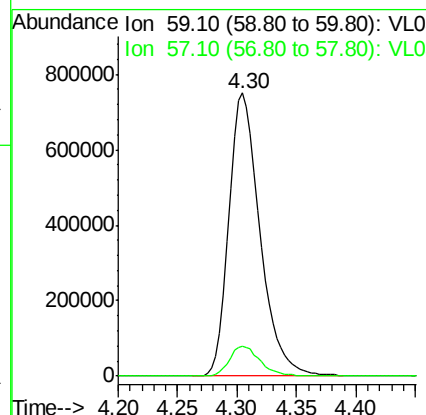
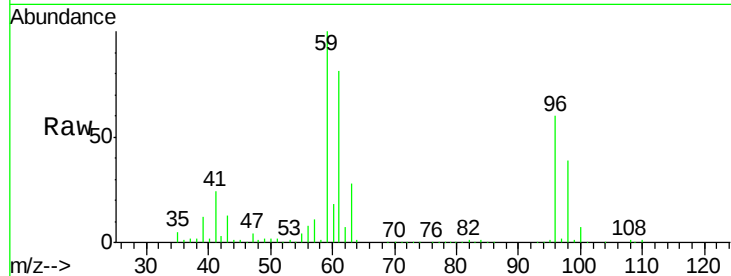
tert-Butyl alcohol
 Concen: 9.991 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion: 59 Resp: 1362801
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.5 12.7

Manual Integrations
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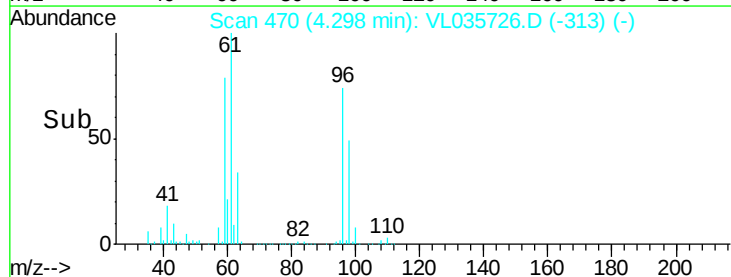
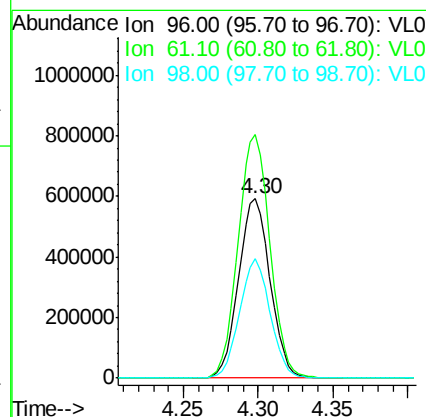
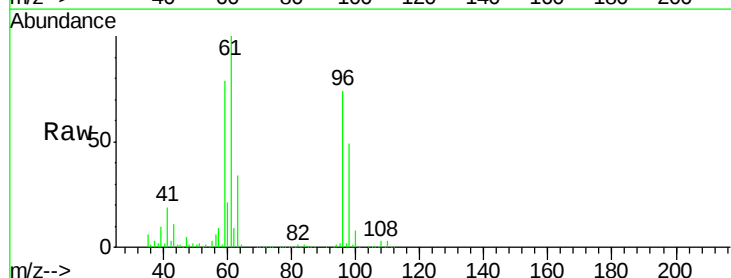
MMDadoda
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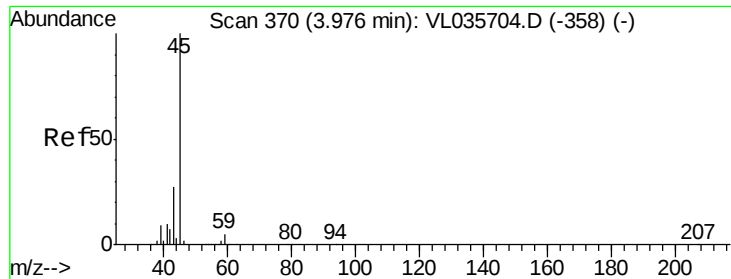


#18

1,1-Dichloroethene
 Concen: 9.836 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 96 Resp: 874611
 Ion Ratio Lower Upper
 96 100
 61 135.7 106.7 160.1
 98 66.9 50.8 76.2





#19

Isopropyl Alcohol

Concen: 9.358 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tot Ion: 45 Resp: 637390

Ion Ratio Lower Upper

45 100

58 3.6 2.8 4.2

Instrument :

MSVOA_L

ClientSampleId :

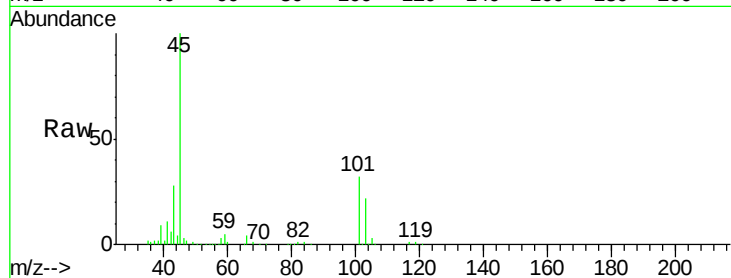
VL0929ABS01

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

400000

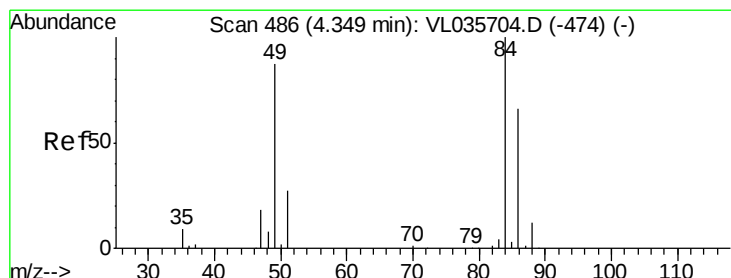
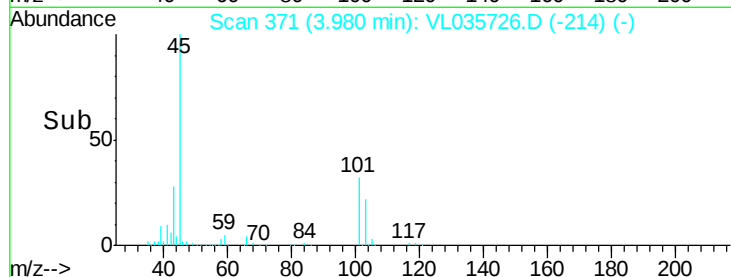
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 7.847 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion: 84 Resp: 721719

Ion Ratio Lower Upper

84 100

49 88.3 69.8 104.6

51 29.1 21.8 32.8

86 65.8 52.6 78.8

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

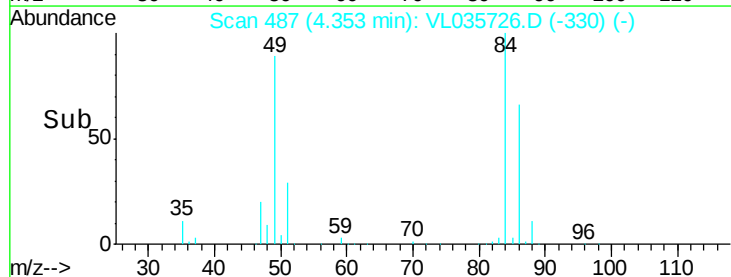
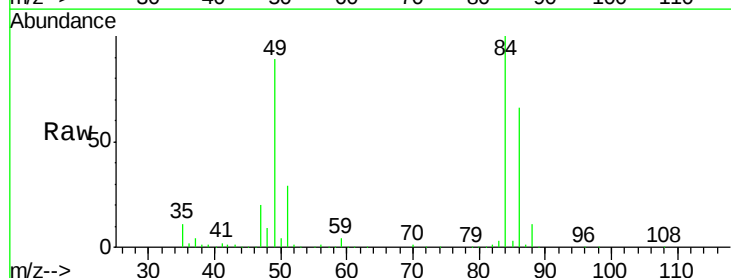
600000

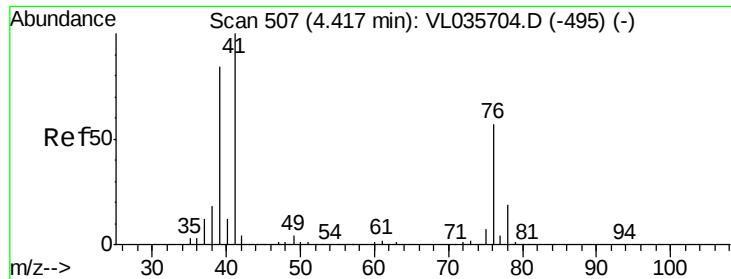
400000

200000

0

Time-->





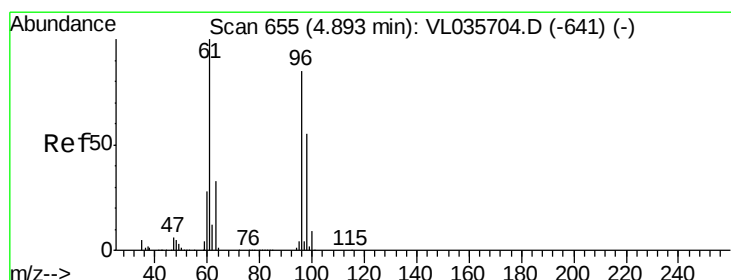
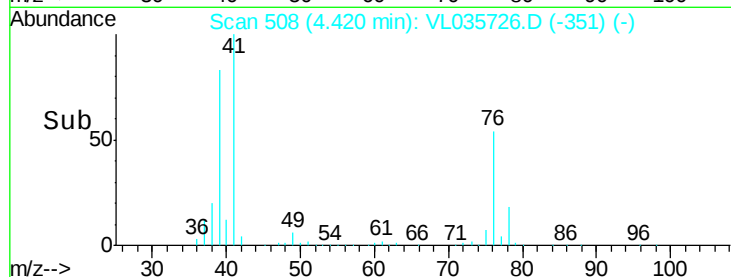
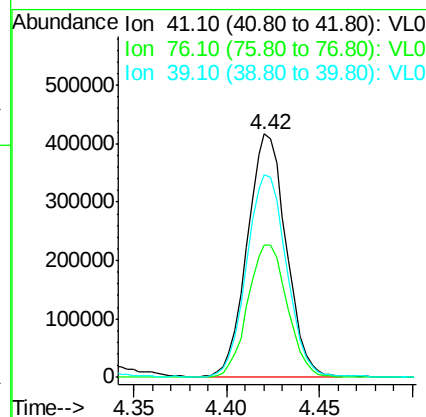
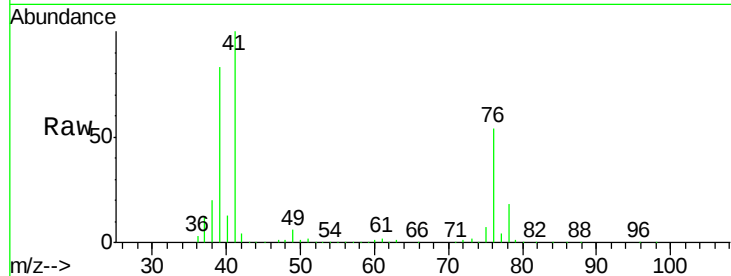
#21
 Allvl Chloride
 Concen: 9.964 ppbv
 RT: 4.42 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	55.7	44.8	67.2
39	86.0	68.4	102.6

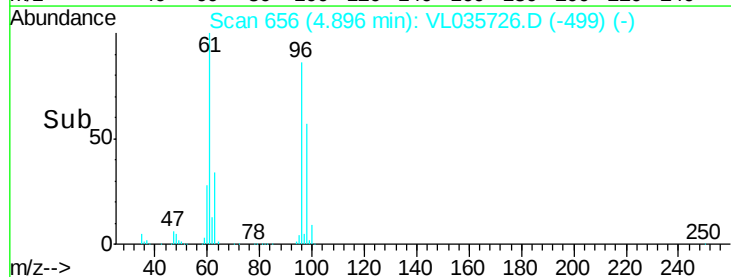
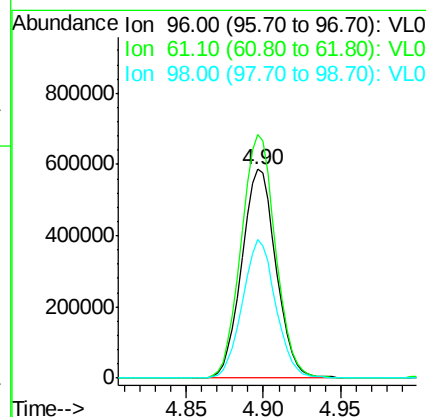
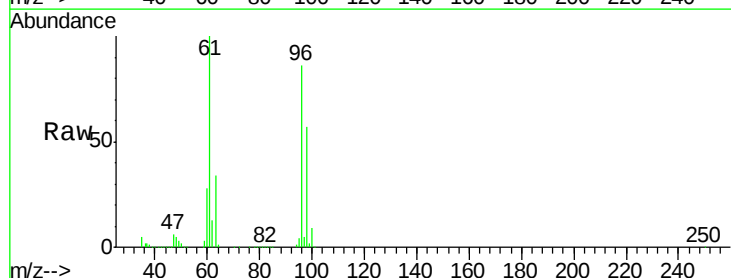
Manual Integrations
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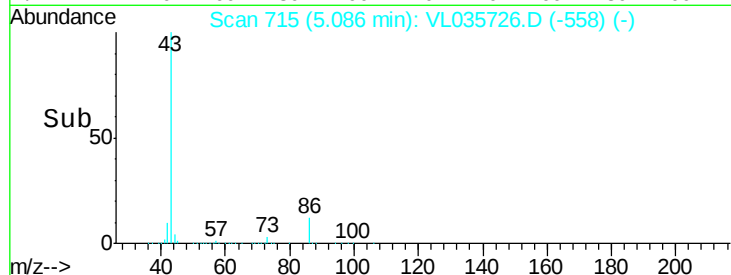
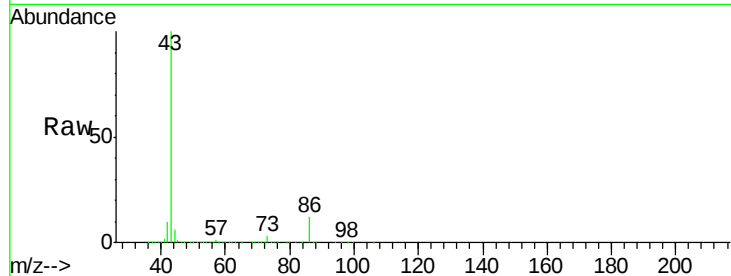
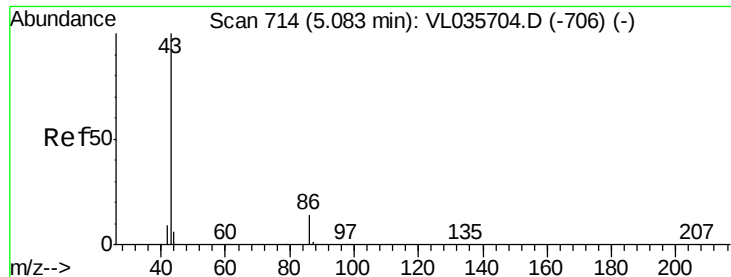
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#22
 trans-1,2-Dichloroethene
 Concen: 9.649 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

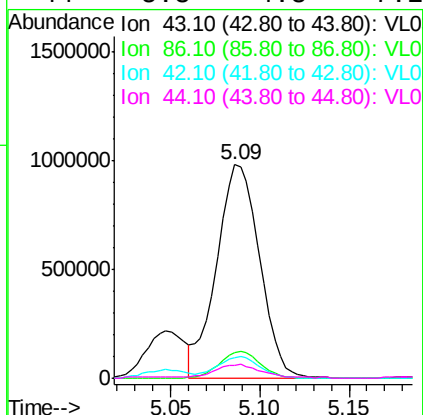
Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.5	93.7	140.5
98	66.3	51.2	76.8





#23
 Vinyl Acetate
 Concen: 10.655 ppbv
 RT: 5.09 min Scan# 715
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

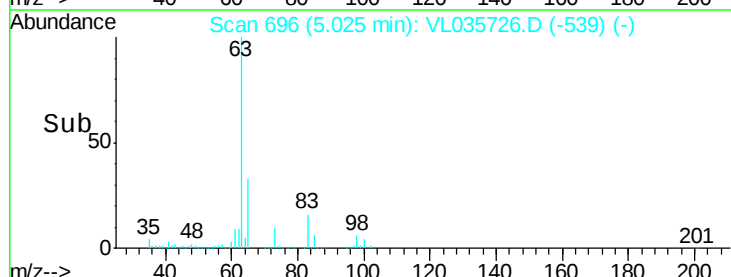
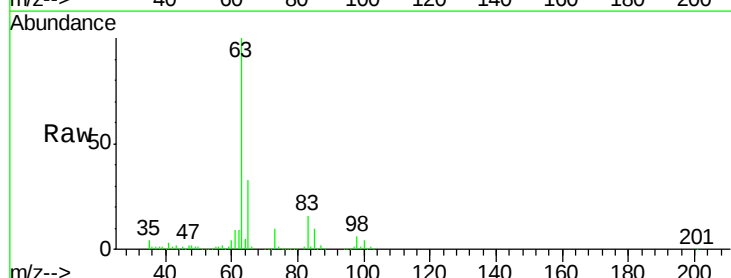
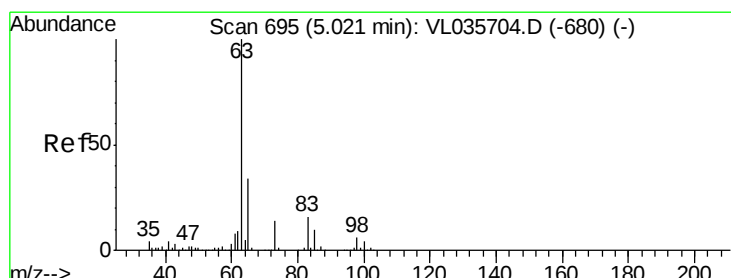
Tot Ion	43	Resp	1634165
Ion	Ratio	Lower	Upper
43	100		
86	12.0	9.7	14.5
42	9.5	7.9	11.9
44	5.8	4.8	7.2



Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

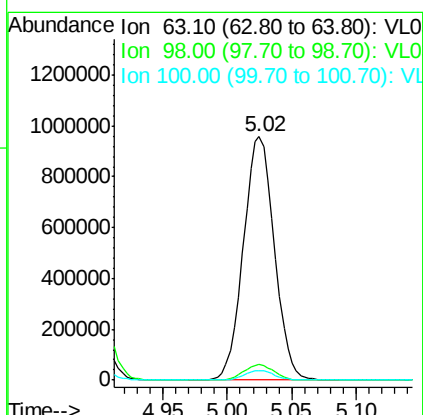
Manual Integrations
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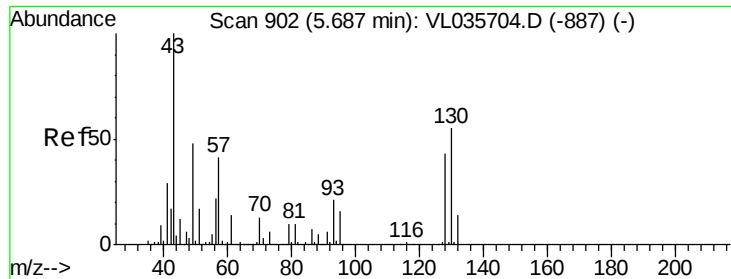
MMDadoda
 9/30/2020 5:32:12 PM



#24
 1,1-Dichloroethane
 Concen: 9.566 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion	63	Resp	1598123
Ion	Ratio	Lower	Upper
63	100		
98	6.3	3.3	9.8
100	3.9	2.0	5.8





#25

Ethyl Acetate

Concen: 9.714 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 43 Resp: 2188717

Ion Ratio Lower Upper

43 100

45 10.6 8.6 12.8

61 12.9 10.4 15.6

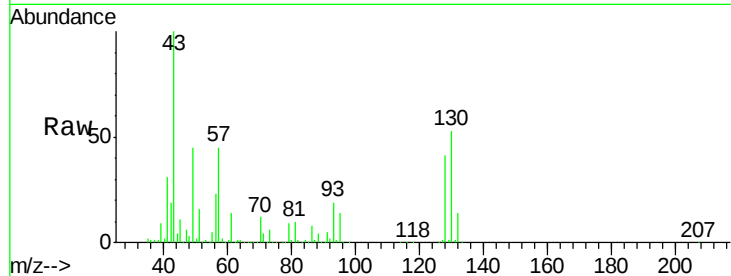
70 11.1 8.9 13.3

Manual Integrations

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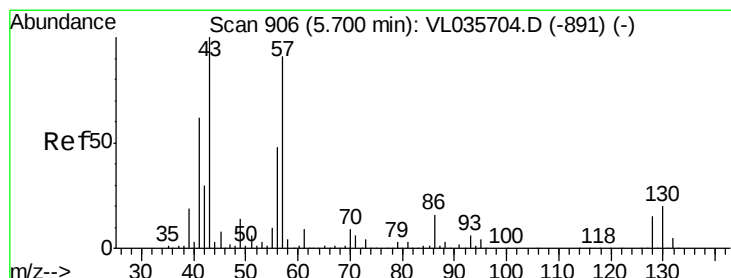
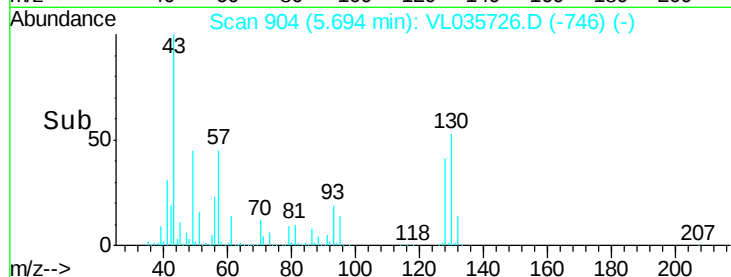
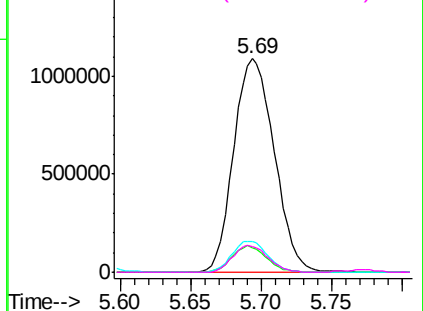


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.880 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion: 57 Resp: 1219825

Ion Ratio Lower Upper

57 100

41 73.1 57.9 86.9

43 180.2 143.8 215.6

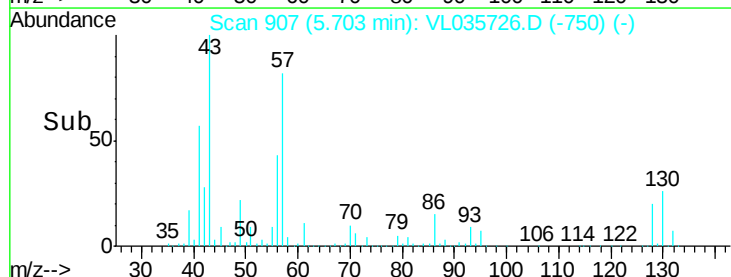
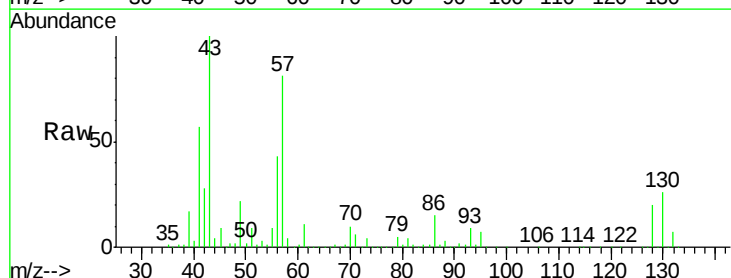
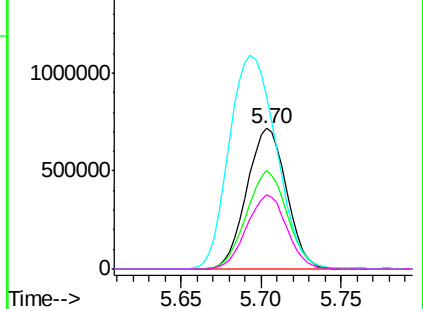
56 53.0 43.0 64.6

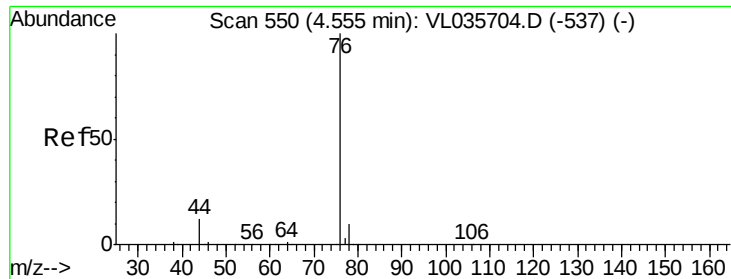
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





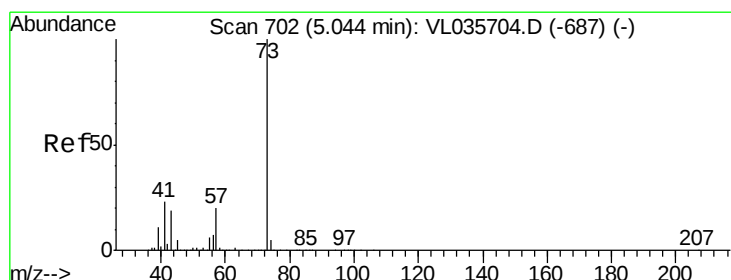
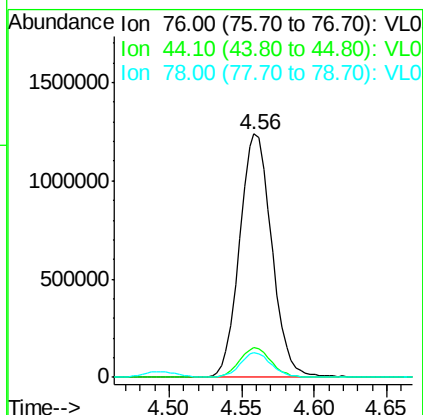
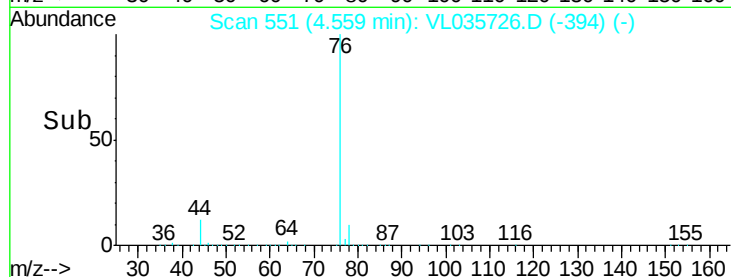
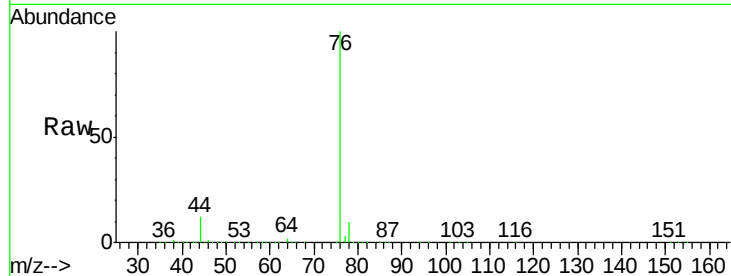
#27
Carbon Disulfide
Concen: 10.401 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion	Ratio	Lower	Upper
76	100		
44	11.9	9.7	14.5
78	9.7	7.8	11.8

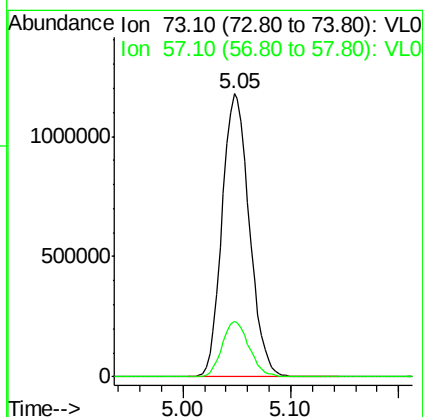
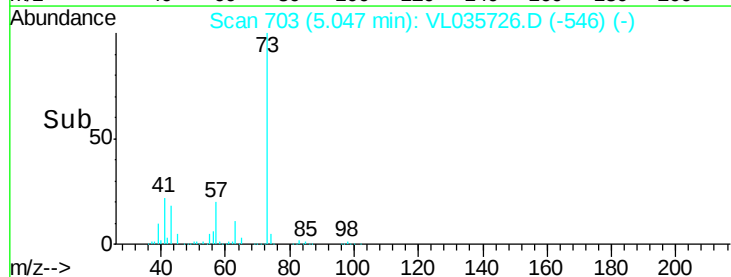
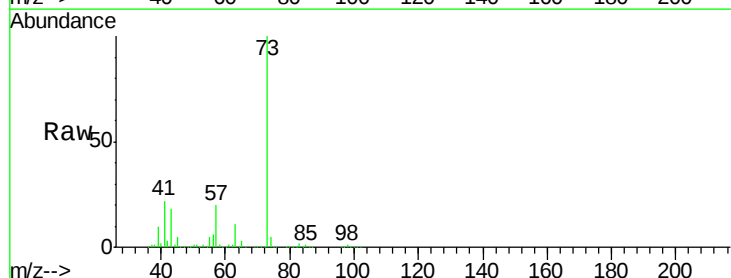
Manual Integrations
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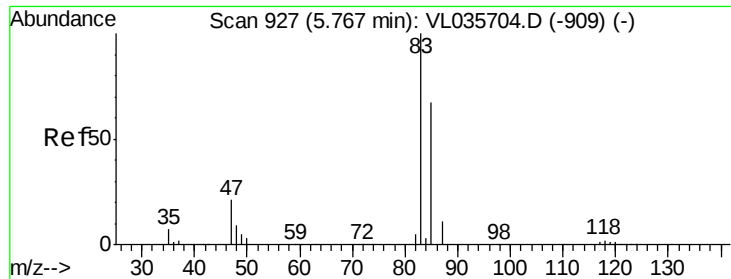
MMDadoda
9/30/2020 5:32:12 PM



#28
Methyl tert-Butyl Ether
Concen: 10.611 ppbv
RT: 5.05 min Scan# 703
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.4	15.6	23.4





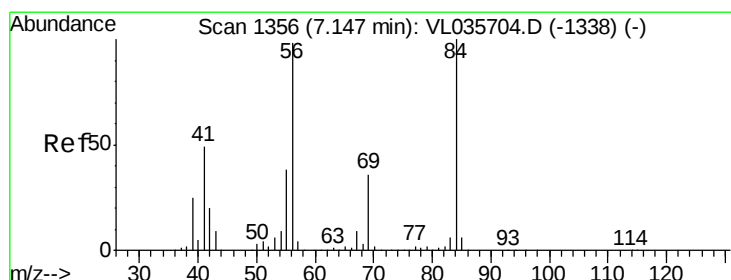
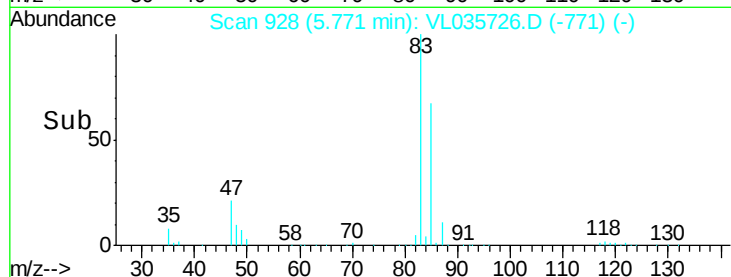
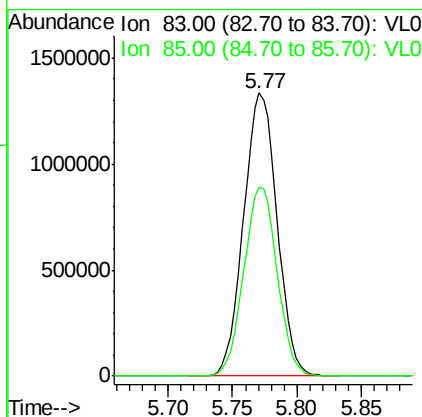
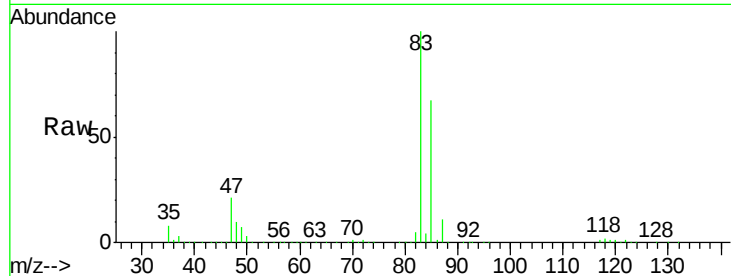
#29
Chloroform
Concen: 9.635 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion: 83 Resp: 2415848
Ion Ratio Lower Upper
83 100
85 66.5 54.0 81.0

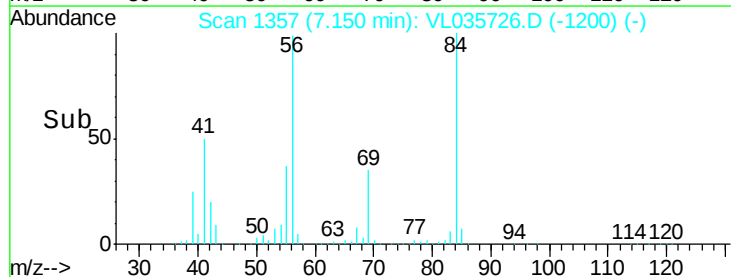
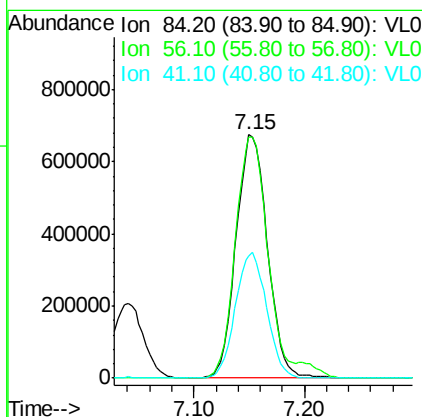
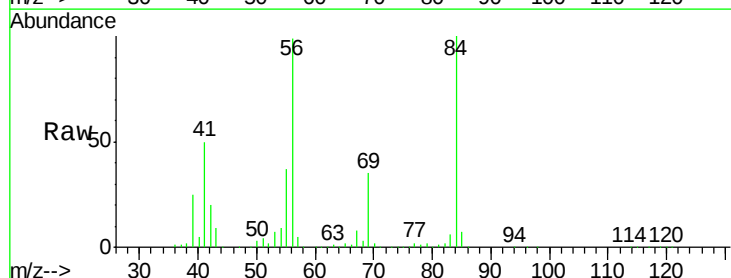
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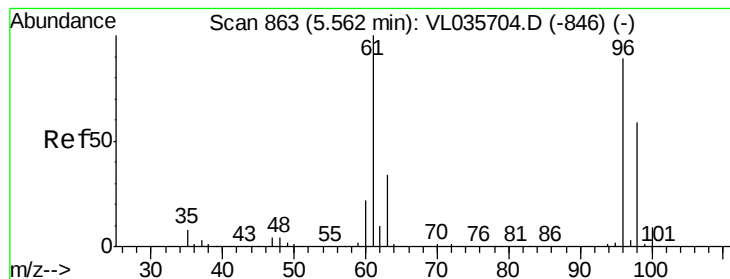
MMDadoda
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#30
Cyclohexane
Concen: 10.943 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 84 Resp: 1333102
Ion Ratio Lower Upper
84 100
56 105.4 84.6 127.0
41 51.4 41.1 61.7





#31

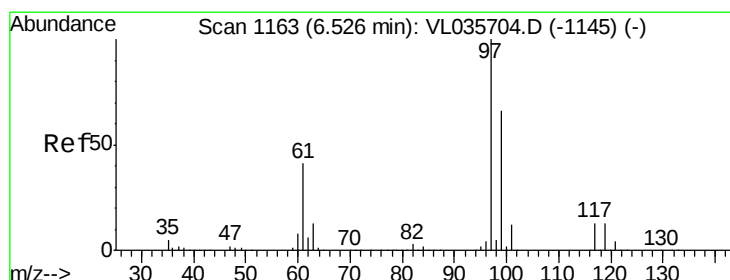
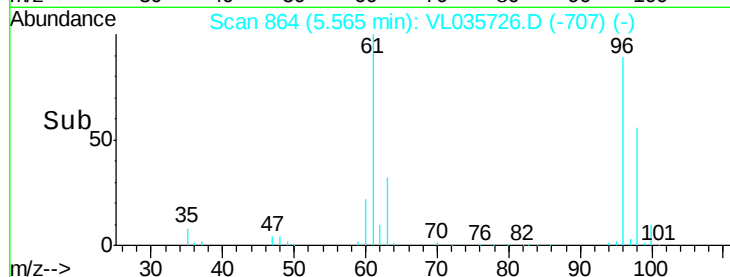
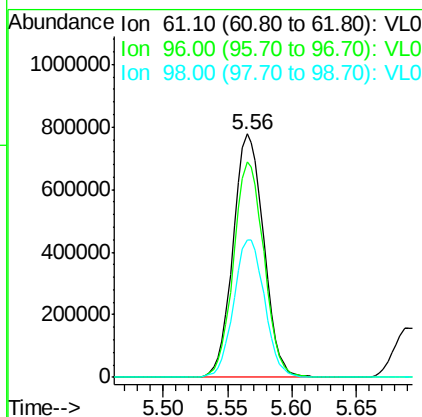
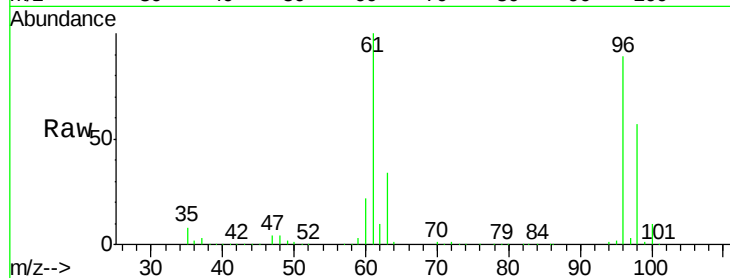
cis-1,2-Dichloroethene
 Concen: 10.785 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion: 61 Resp: 1285484
 Ion Ratio Lower Upper
 61 100
 96 88.6 71.4 107.2
 98 56.5 47.4 71.2

Manual Integrations
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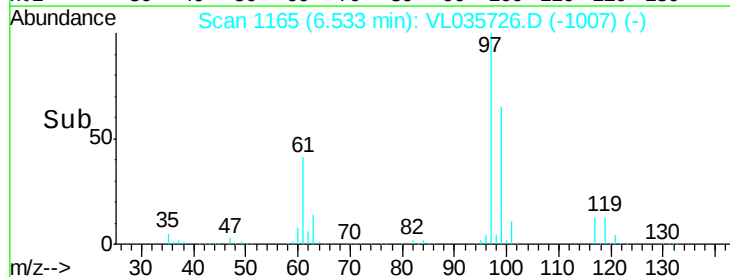
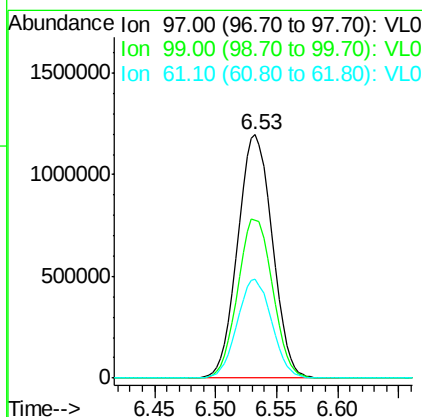
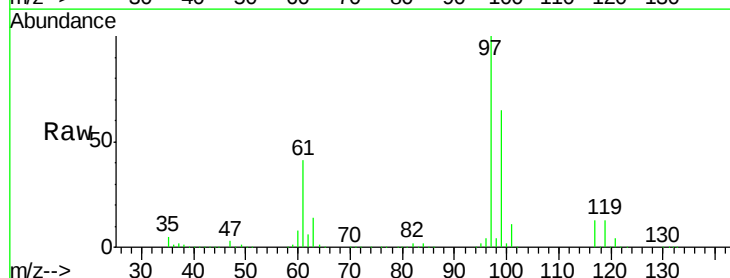
MMDadoda
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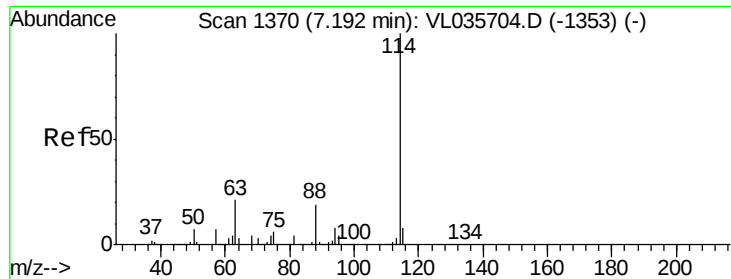


#32

1,1,1-Trichloroethane
 Concen: 10.649 ppbv
 RT: 6.53 min Scan# 1165
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 97 Resp: 2353805
 Ion Ratio Lower Upper
 97 100
 99 66.0 52.7 79.1
 61 40.5 32.7 49.1





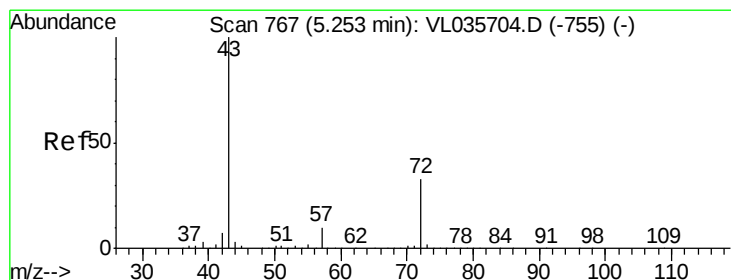
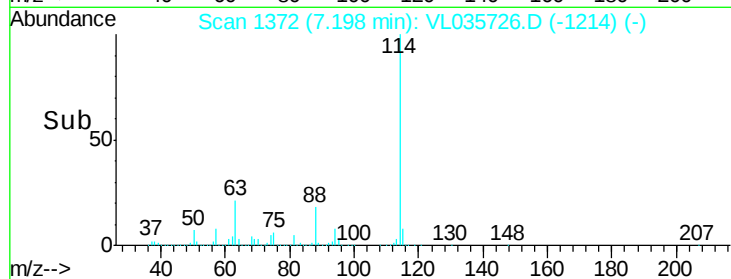
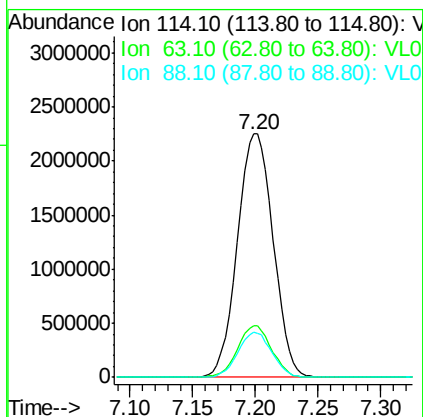
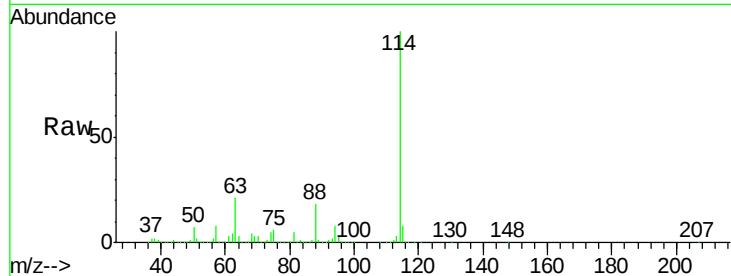
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	16.1	24.1
88	17.5	14.1	21.1

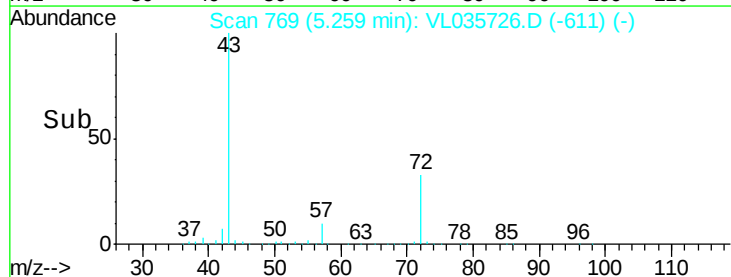
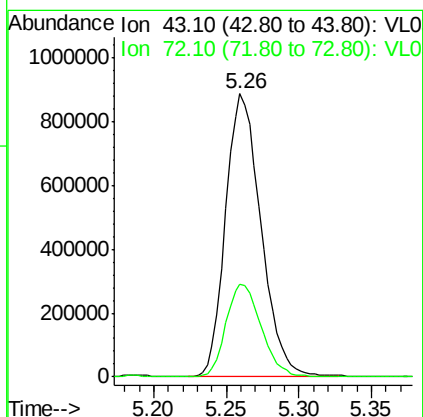
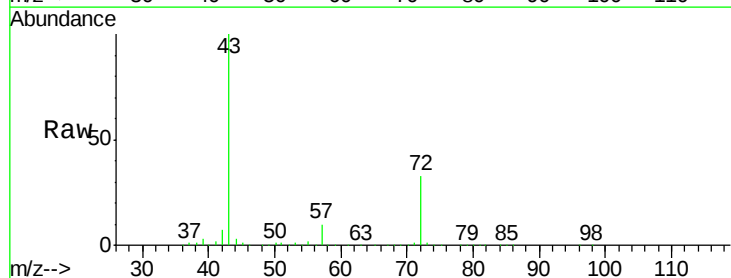
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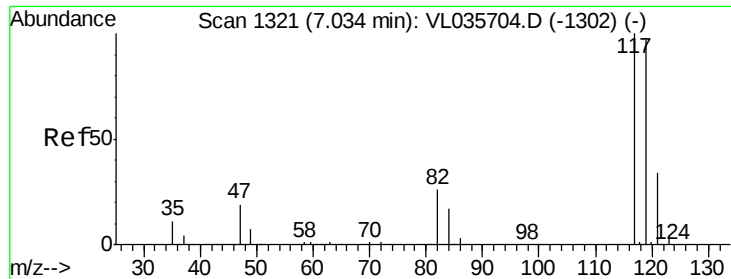
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#34
 2-Butanone
 Concen: 10.115 ppbv
 RT: 5.26 min Scan# 769
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
43	100		
72	32.8	26.1	39.1





#35

Carbon Tetrachloride

Concen: 10.486 ppbv

RT: 7.04 min Scan# 1323

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion:117 Resp: 2441940

Ion Ratio Lower Upper

117 100

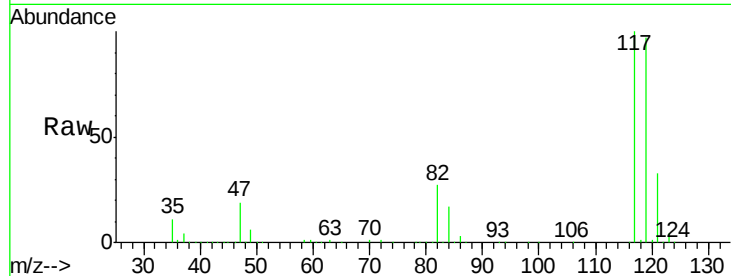
119 97.4 77.7 116.5

121 32.9 26.9 40.3

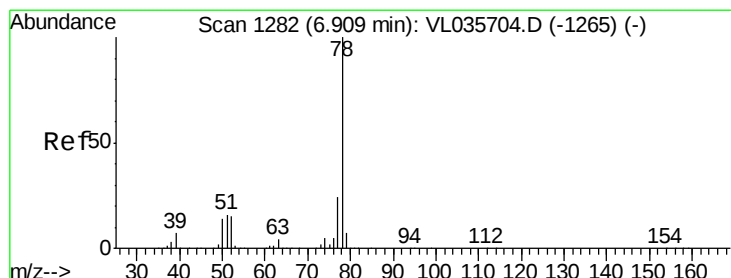
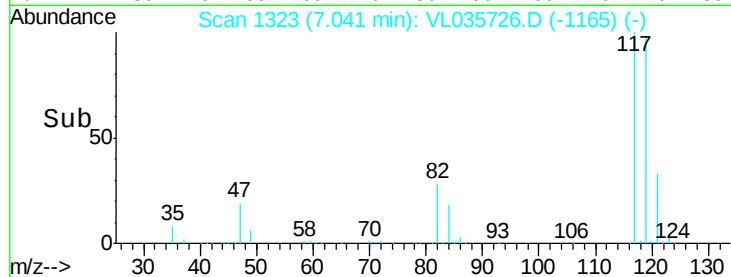
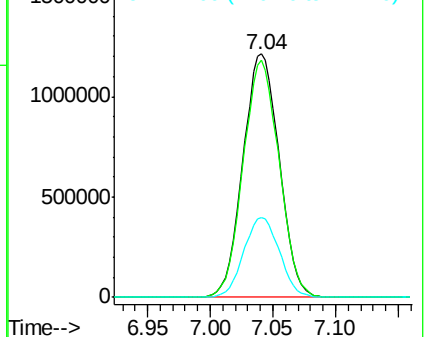
Manual Integrations
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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.407 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

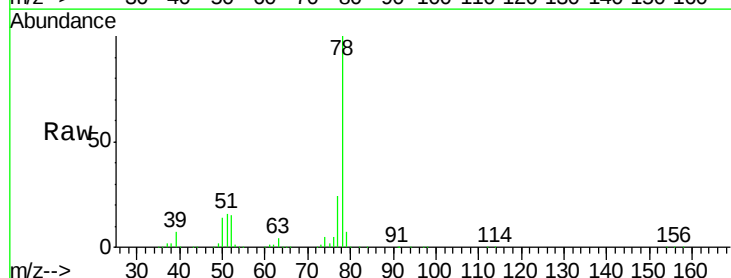
Tgt Ion: 78 Resp: 3028926

Ion Ratio Lower Upper

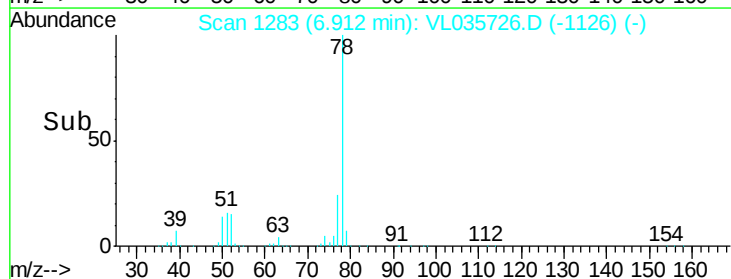
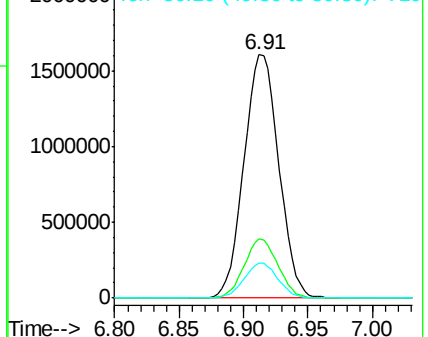
78 100

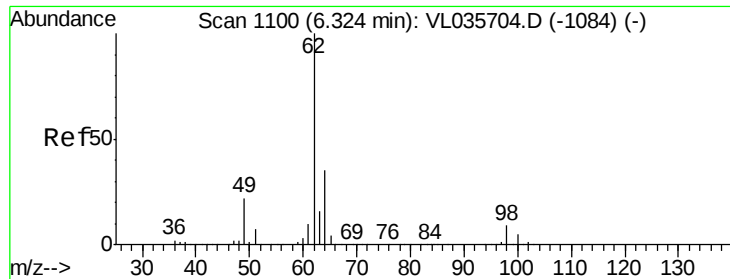
77 24.4 19.3 28.9

50 14.4 11.6 17.4



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





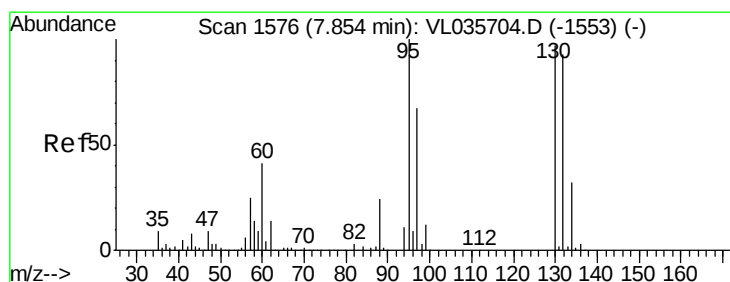
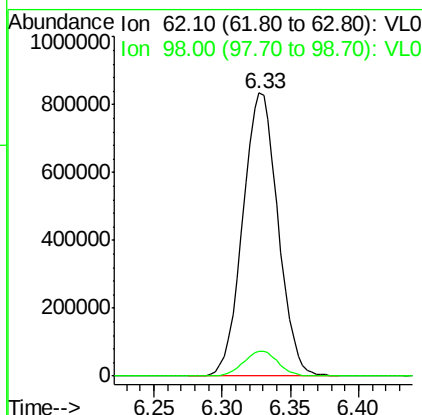
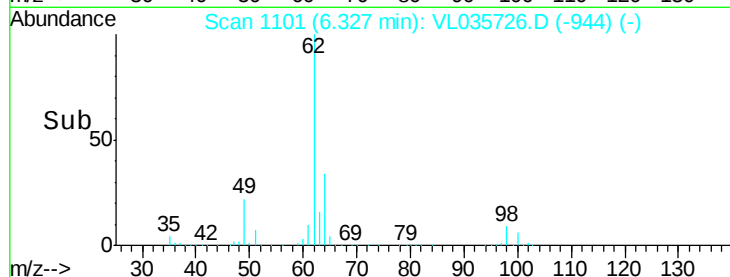
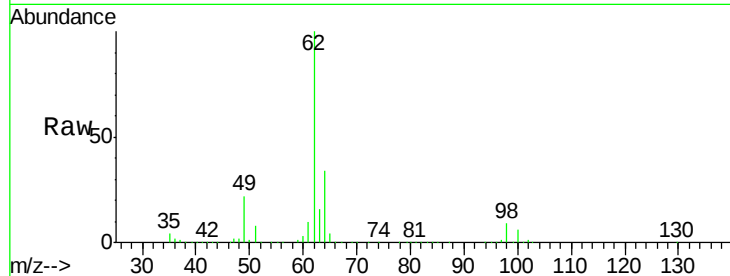
#37
 1,2-Dichloroethane
 Concen: 9.839 ppbv
 RT: 6.33 min Scan# 1101
 Delta R.T. 0.00 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion: 62 Resp: 1492516
 Ion Ratio Lower Upper
 62 100
 98 8.7 6.9 10.3

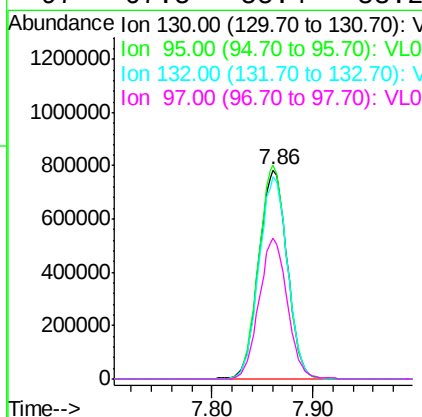
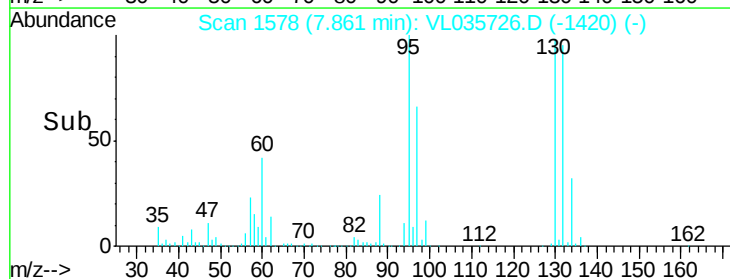
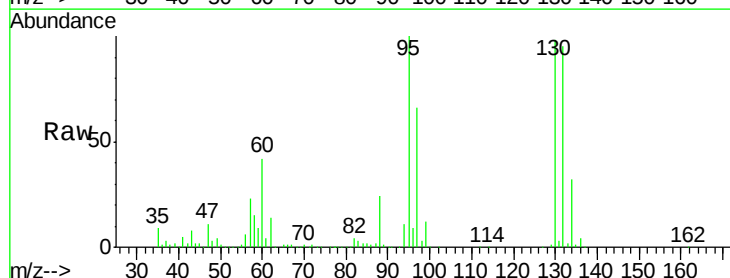
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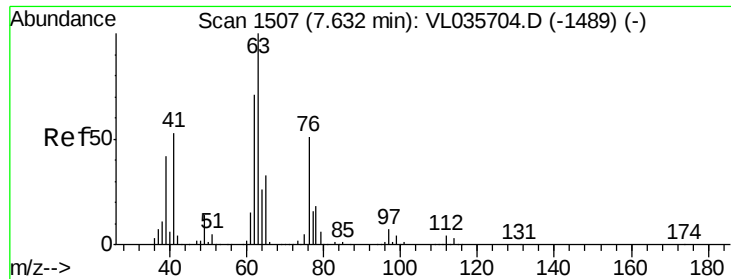
MMDadoda
 9/30/2020 5:32:12 PM



#38
 Trichloroethene
 Concen: 10.599 ppbv
 RT: 7.86 min Scan# 1578
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 130 Resp: 1538825
 Ion Ratio Lower Upper
 130 100
 95 102.1 82.4 123.6
 132 96.7 76.8 115.2
 97 67.5 55.4 83.2





#39

1,2-Dichloropropane

Concen: 9.985 ppbv

RT: 7.64 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 63 Resp: 1053356

Ion Ratio Lower Upper

63 100

41 53.3 42.6 63.8

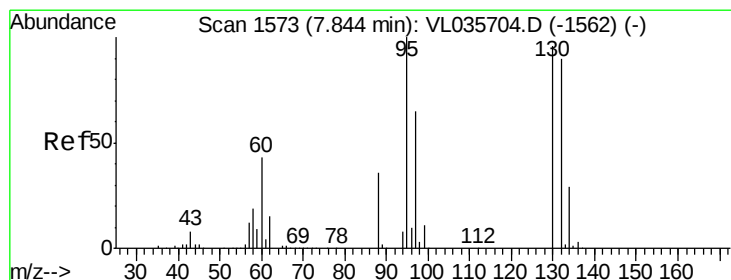
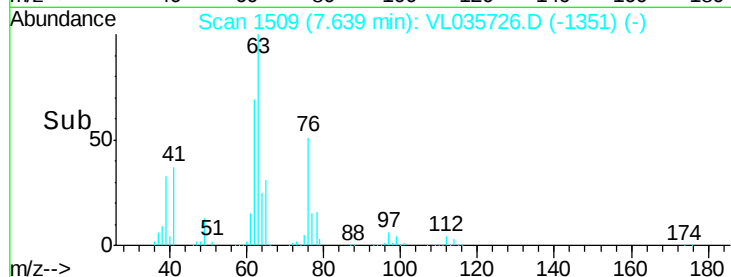
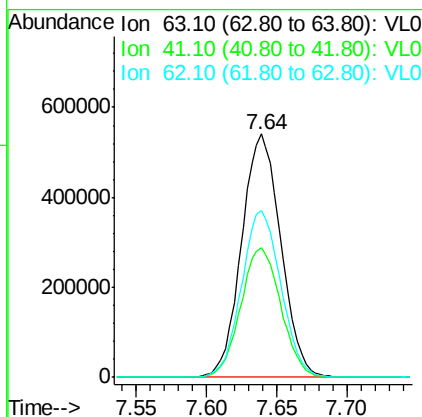
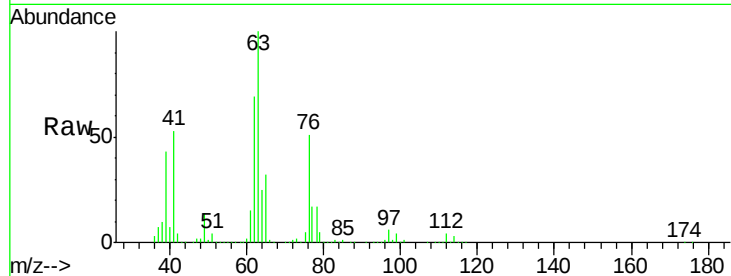
62 68.6 56.5 84.7

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#40

1,4-Dioxane

Concen: 9.802 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion: 88 Resp: 472894

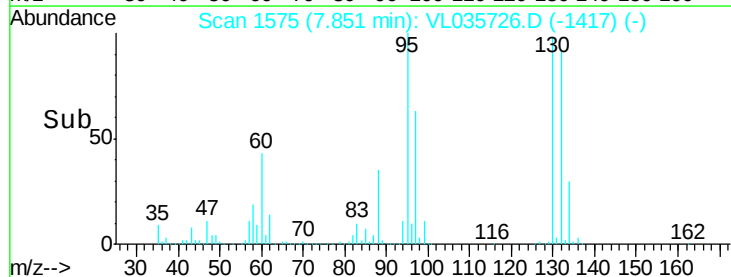
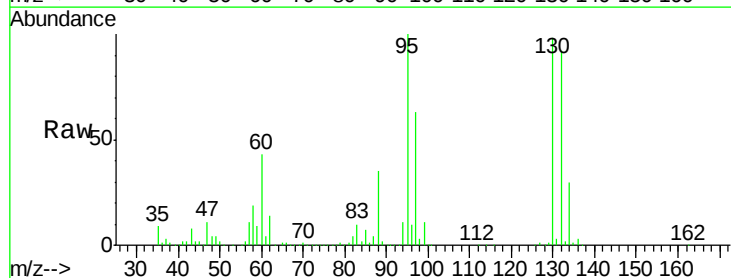
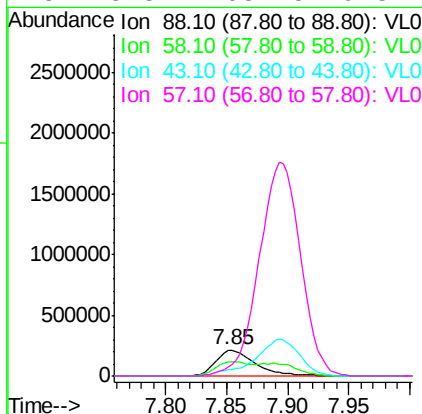
Ion Ratio Lower Upper

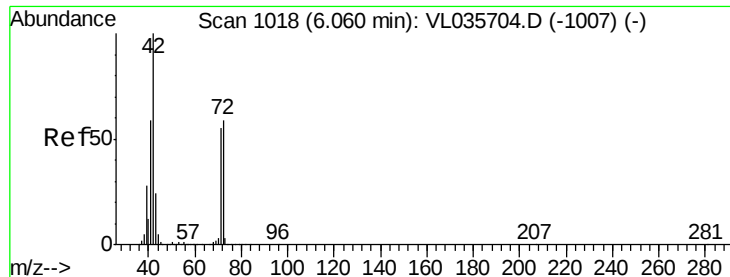
88 100

58 99.4 76.2 114.4

43 164.5 123.4 185.2

57 878.2 652.5 978.7





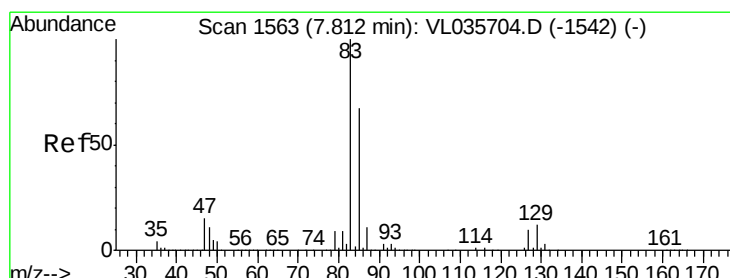
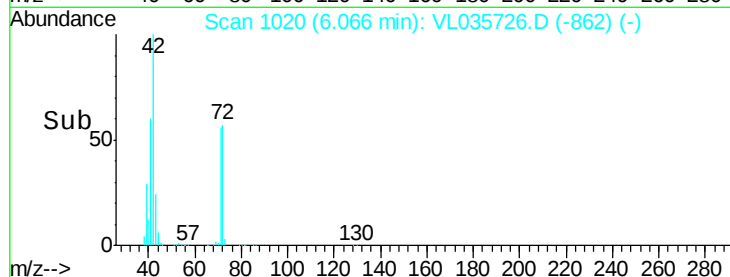
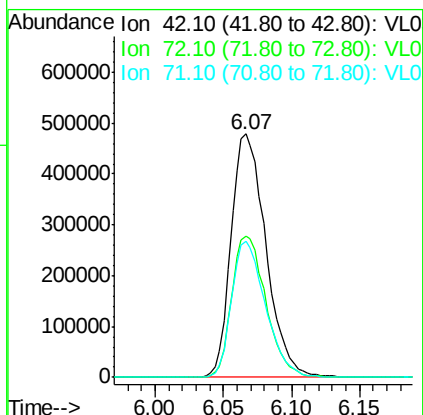
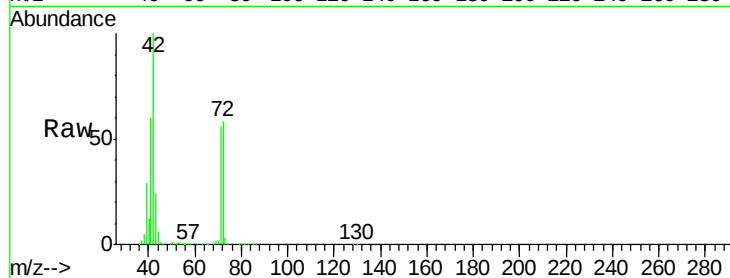
#41
Tetrahydrofuran
Concen: 11.443 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.2	46.2	69.4
71	54.7	44.2	66.4

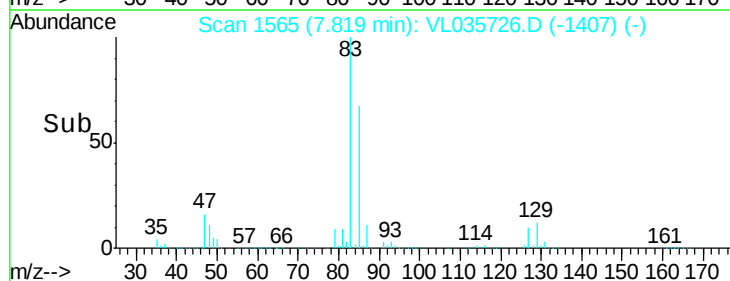
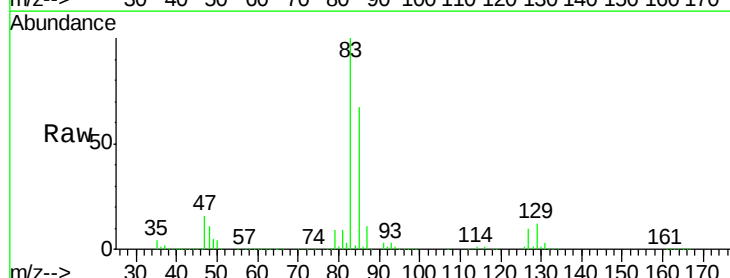
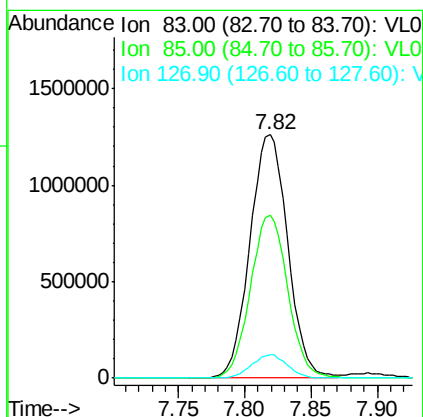
Manual Integrations
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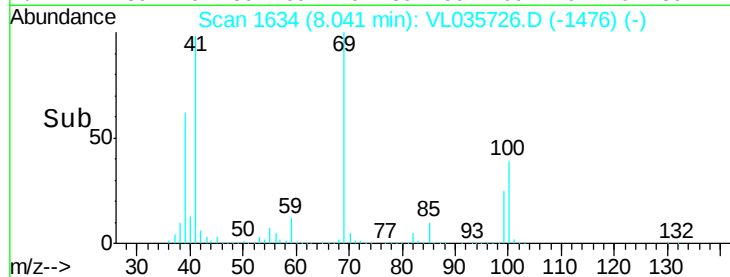
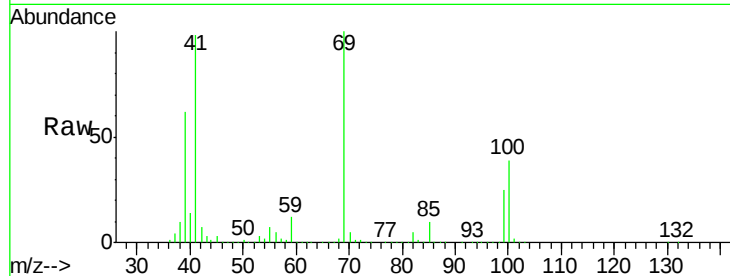
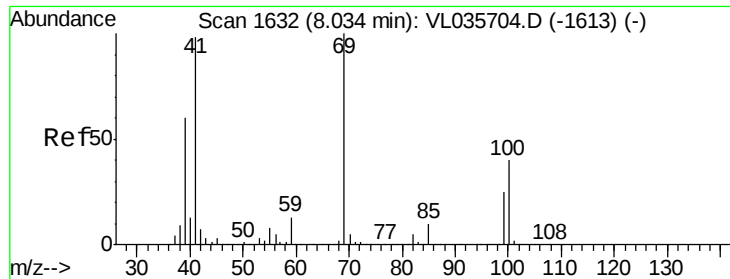
MMDadoda
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#42
Bromodichloromethane
Concen: 10.282 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.4	80.0
127	9.7	7.8	11.6





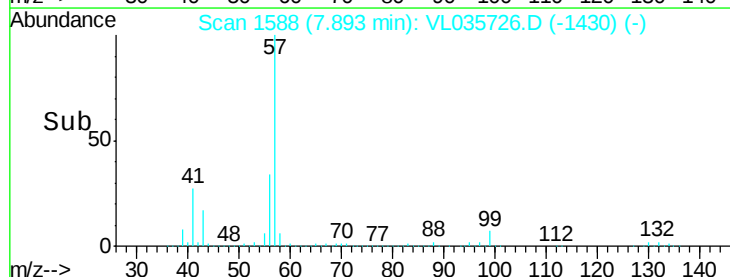
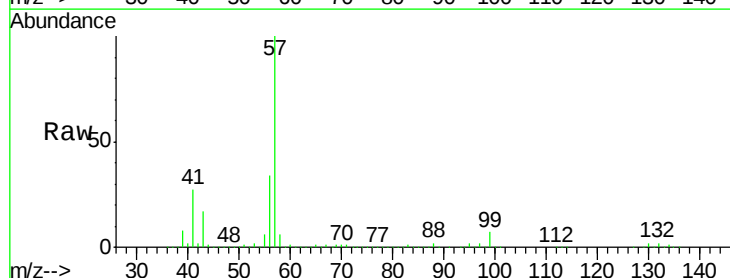
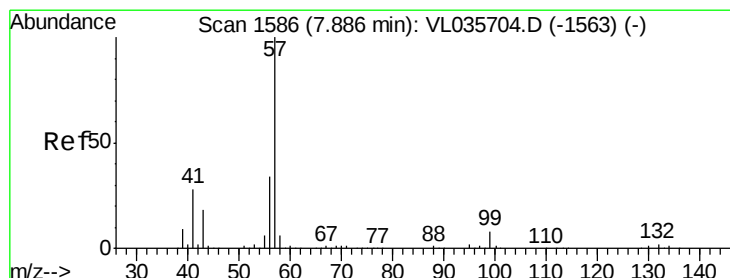
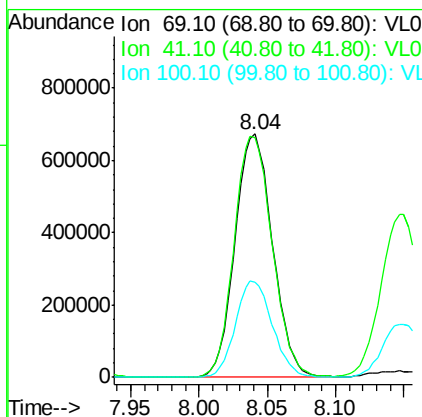
#43
Methvl Methacrilate
Concen: 11.128 ppbv
RT: 8.04 min Scan# 1634
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tot Ion: 69 Resp: 1288055
Ion Ratio Lower Upper
69 100
41 100.7 79.8 119.6
100 38.9 30.6 46.0

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

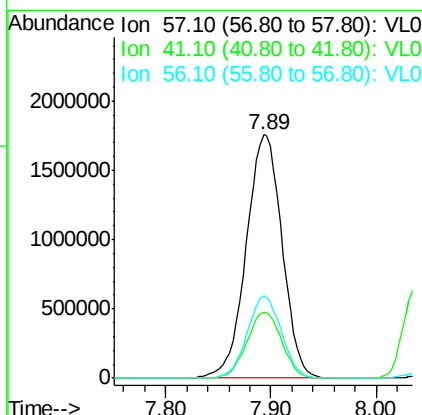
Manual Integrations
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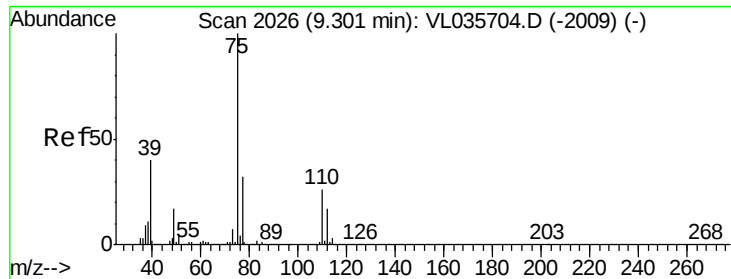
MMDadoda
9/30/2020 5:32:12 PM



#44
2,2,4-Trimethylpentane
Concen: 9.927 ppbv
RT: 7.89 min Scan# 1588
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 57 Resp: 4145838
Ion Ratio Lower Upper
57 100
41 26.5 21.2 31.8
56 32.2 25.8 38.8





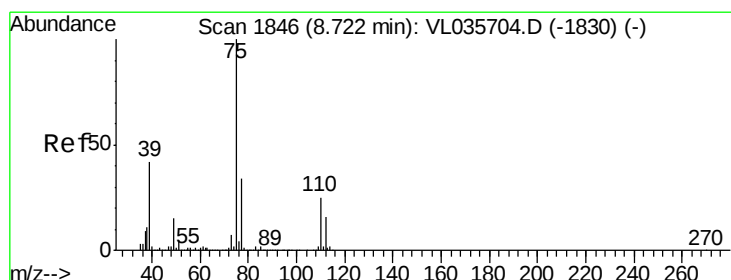
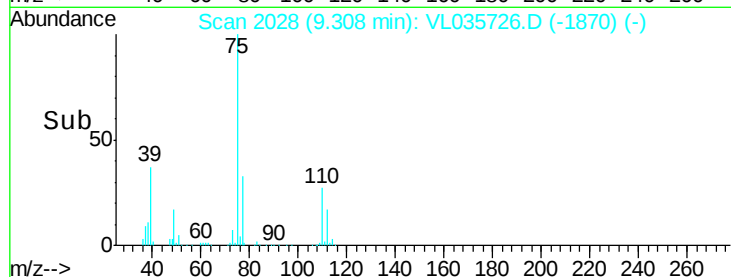
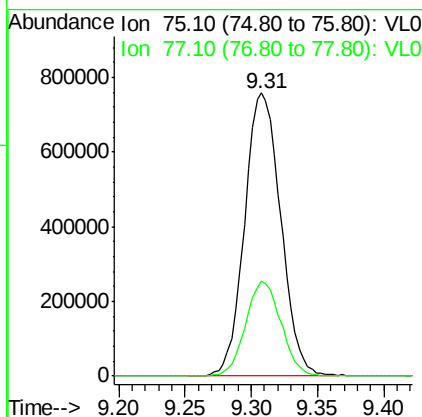
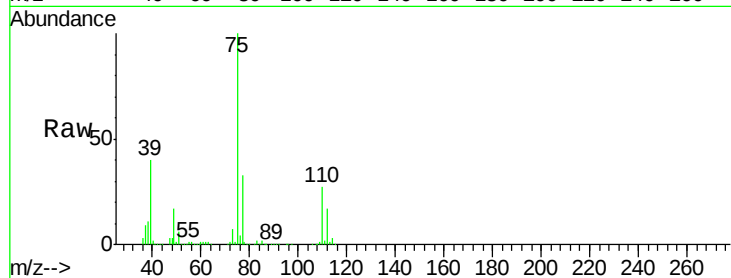
#45
t-1,3-Dichloropropene
Concen: 12.306 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion: 75 Resp: 1438154
Ion Ratio Lower Upper
75 100
77 33.5 25.9 38.9

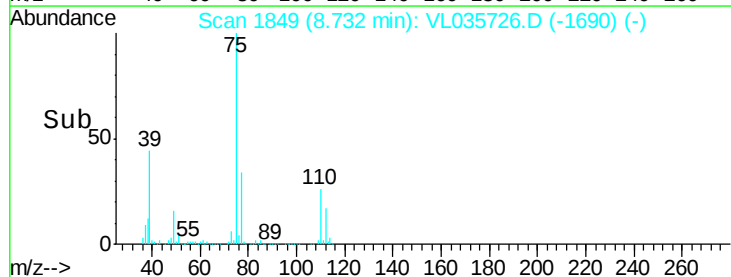
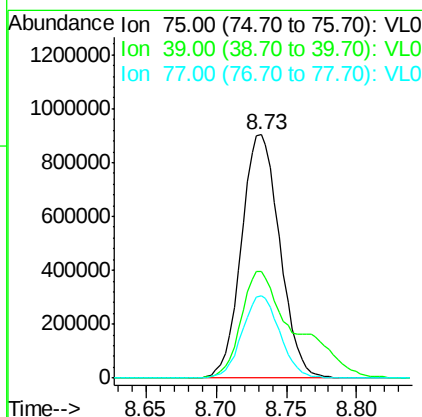
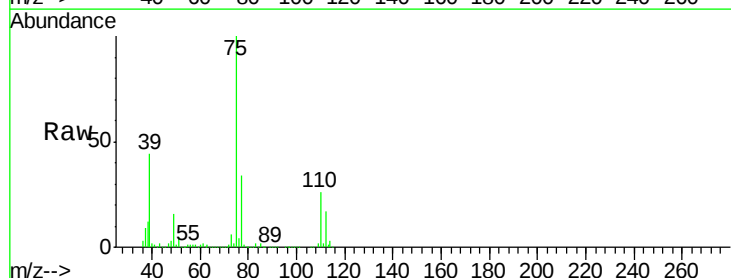
Manual Integrations
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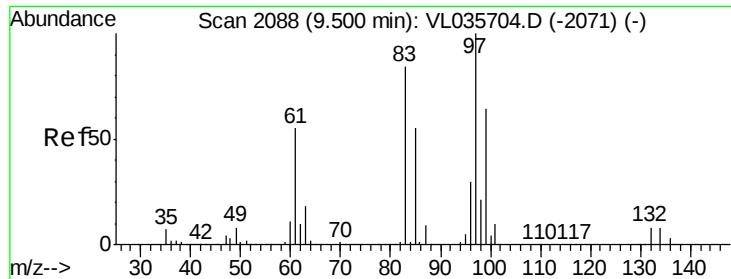
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#46
cis-1,3-Dichloropropene
Concen: 11.951 ppbv
RT: 8.73 min Scan# 1849
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 75 Resp: 1721628
Ion Ratio Lower Upper
75 100
39 43.6 33.9 50.9
77 33.9 27.4 41.0





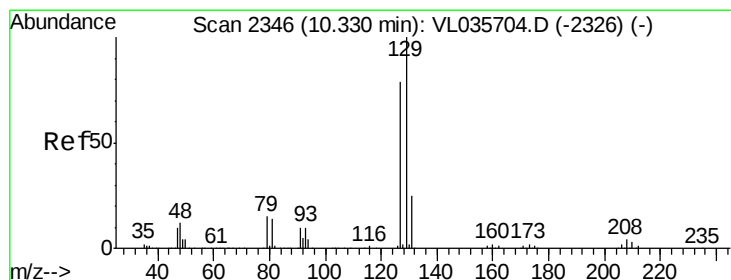
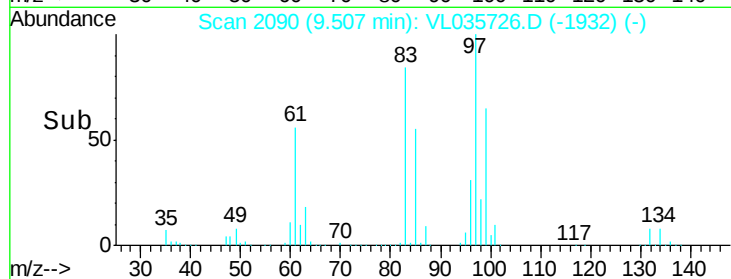
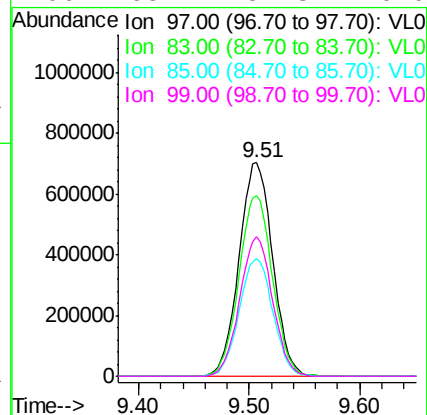
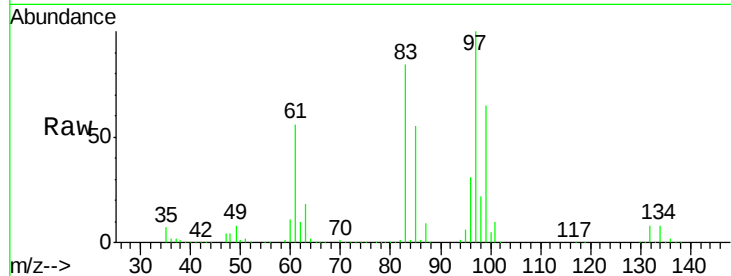
#47
 1,1,2-Trichloroethane
 Concen: 9.826 ppbv
 RT: 9.51 min Scan# 2090
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion	97	Resp	1484681
Ion	Ratio	Lower	Upper
97	100		
83	84.3	67.1	100.7
85	55.0	43.9	65.9
99	65.1	51.3	76.9

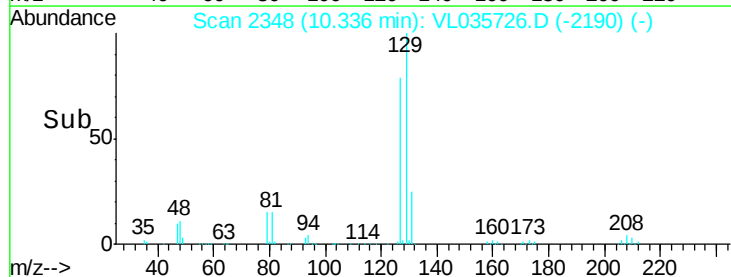
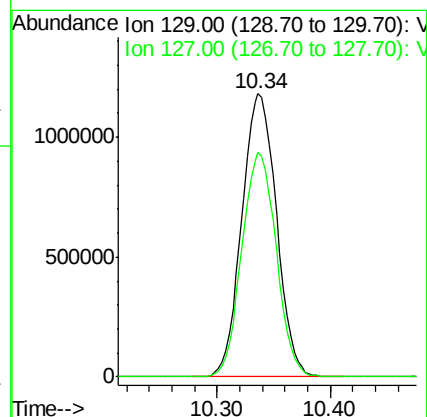
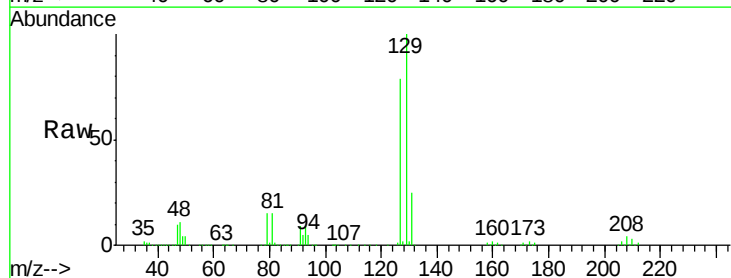
Manual Integrations
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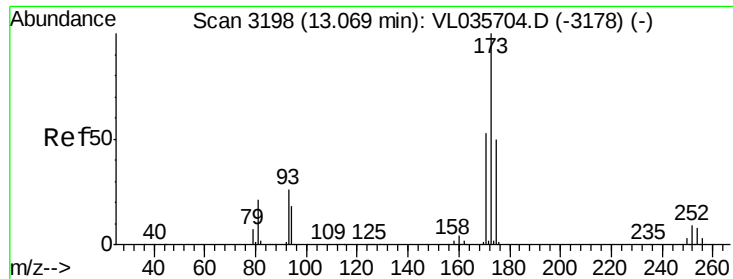
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#48
 Dibromochloromethane
 Concen: 10.963 ppbv
 RT: 10.34 min Scan# 2348
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion	129	Resp	2521024
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.4	118.1





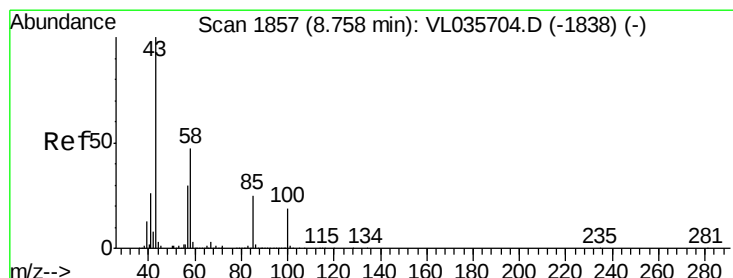
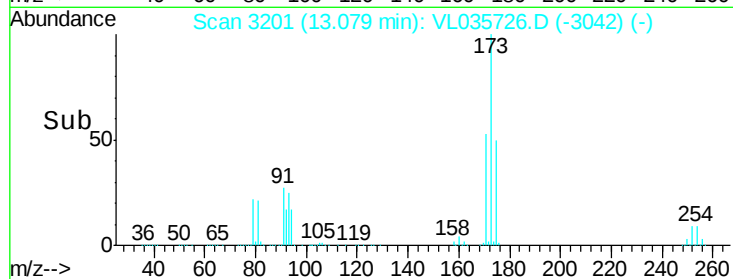
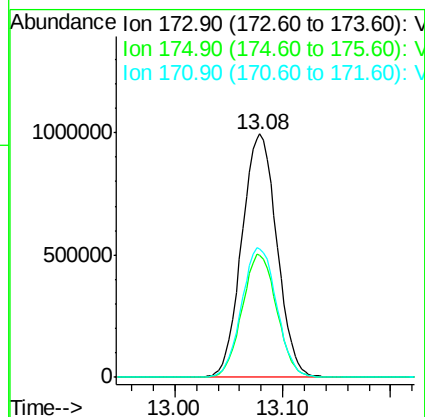
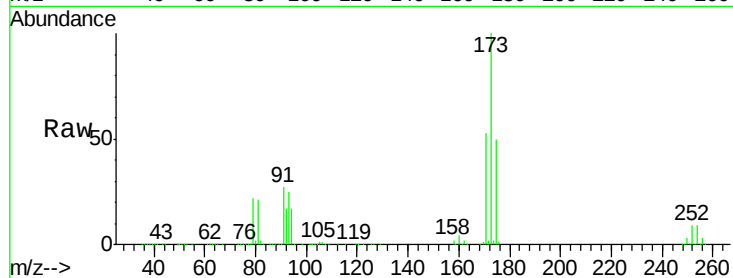
#49
Bromoform
Concen: 11.541 ppbv
RT: 13.08 min Scan# 3201
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion:173 Resp: 2251857
Ion Ratio Lower Upper
173 100
175 50.0 39.8 59.6
171 53.3 42.8 64.2

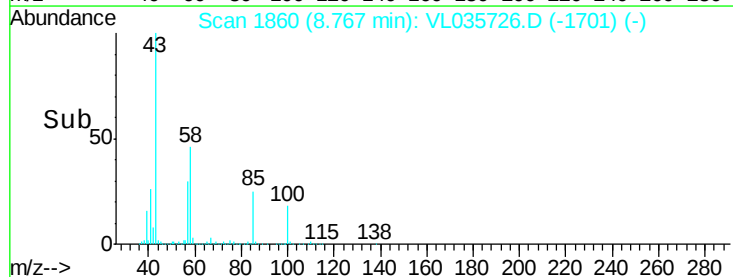
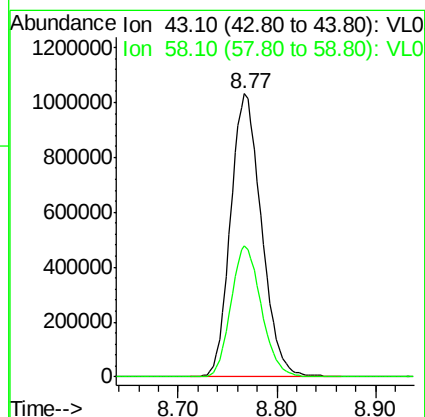
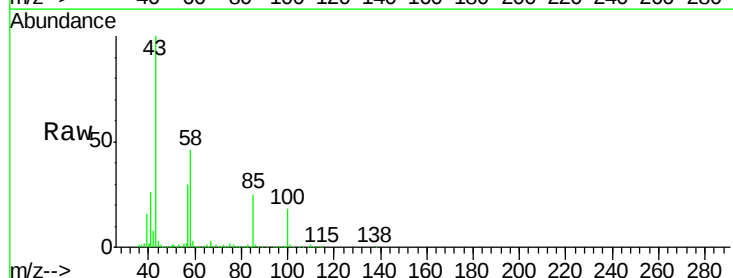
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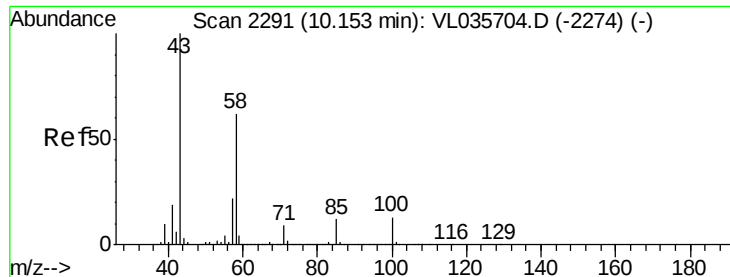
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#50
4-Methyl-2-Pentanone
Concen: 10.455 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 43 Resp: 2256019
Ion Ratio Lower Upper
43 100
58 45.5 36.6 54.8





#51

2-Hexanone

Concen: 10.815 ppbv

RT: 10.16 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 43 Resp: 1880161

Ion Ratio Lower Upper

43 100

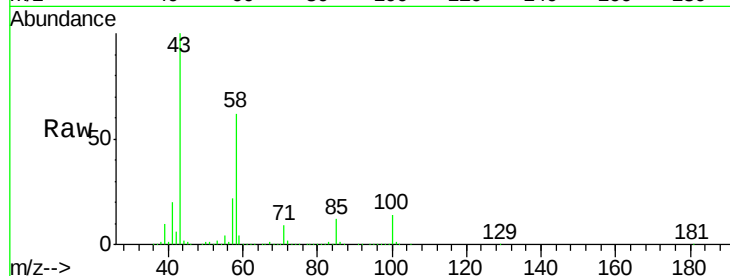
58 60.8 48.7 73.1

98 0.8 0.7 1.1

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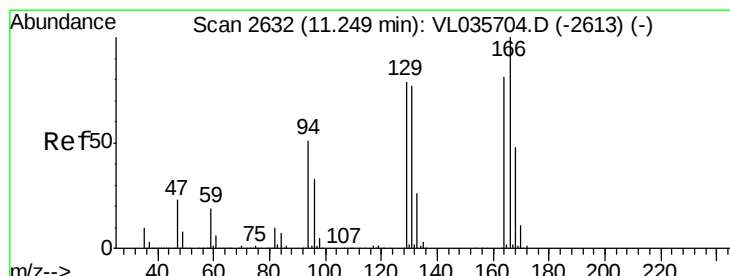
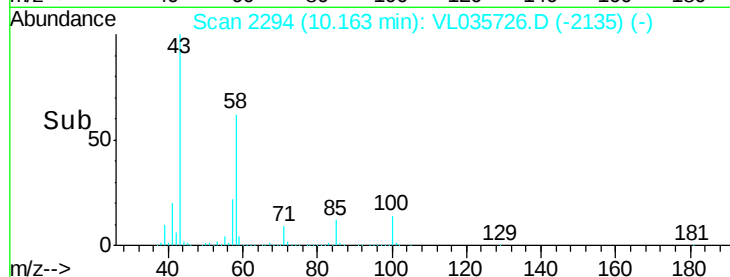
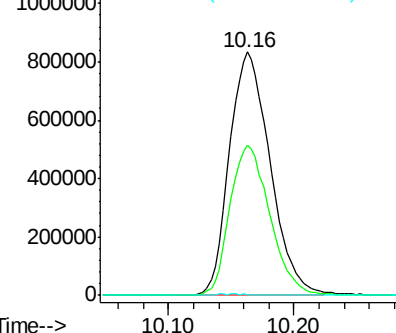
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.321 ppbv

RT: 11.26 min Scan# 2634

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion: 164 Resp: 1444543

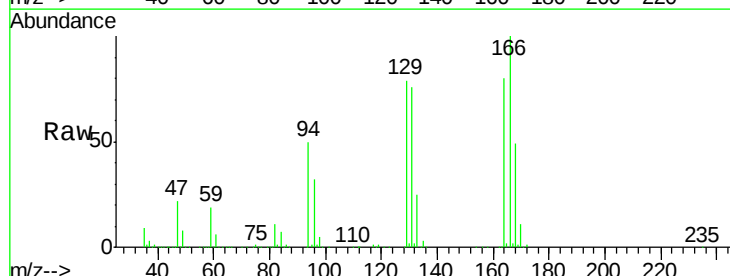
Ion Ratio Lower Upper

164 100

166 124.7 98.7 148.1

129 98.4 78.4 117.6

131 94.9 76.2 114.2

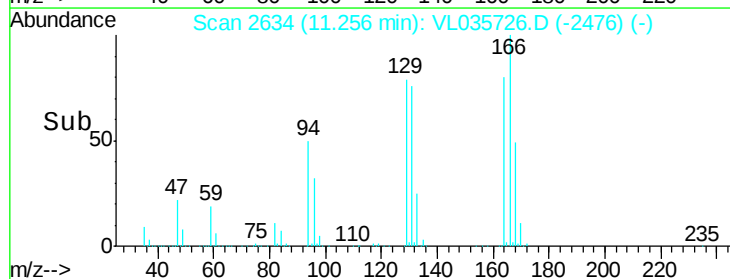
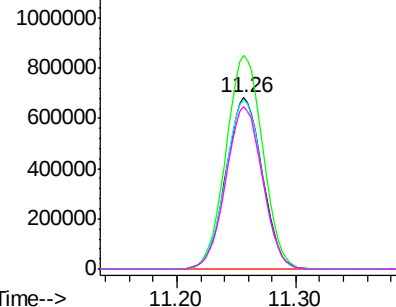


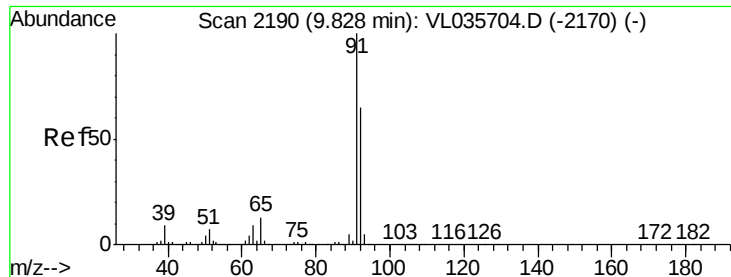
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.116 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 91 Resp: 3814985

Ion Ratio Lower Upper

91 100

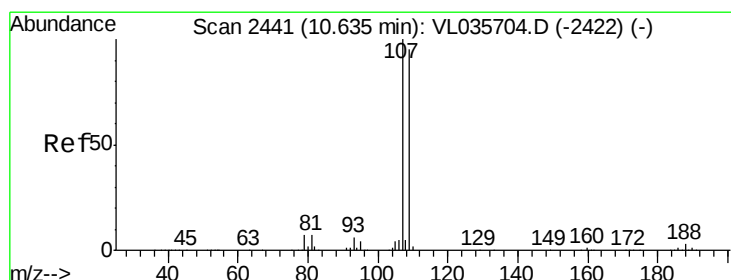
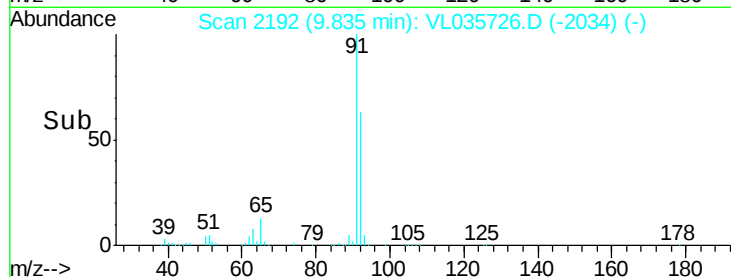
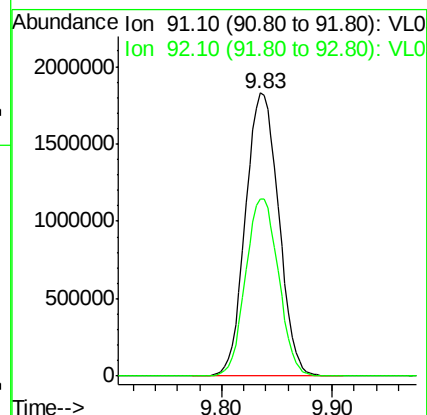
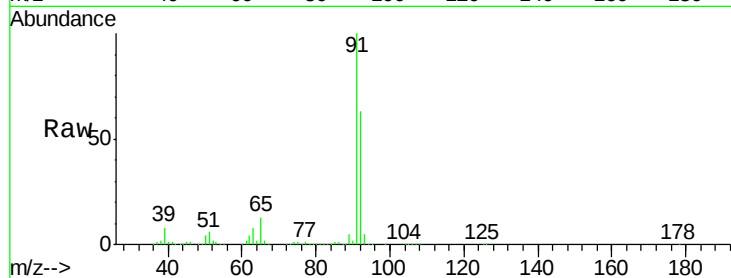
92 62.2 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 10.263 ppbv

RT: 10.65 min Scan# 2444

Delta R.T. 0.01 min

Lab File: VL035726.D

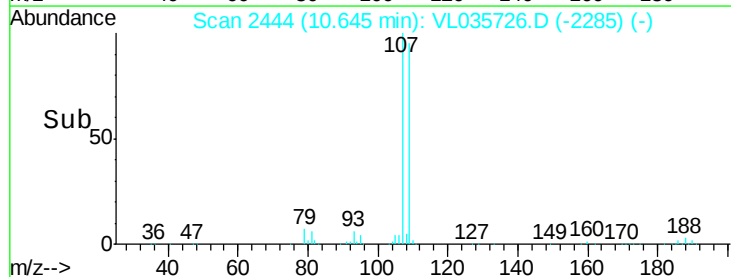
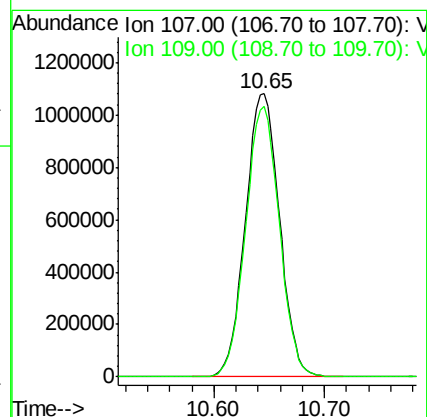
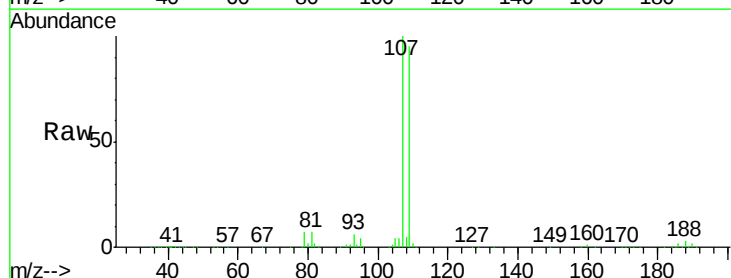
Acq: 29 Sep 2020 15:26

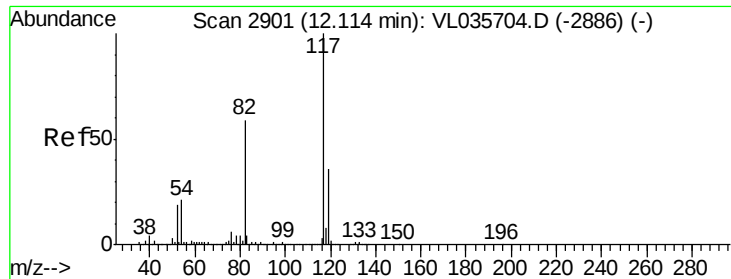
Tgt Ion:107 Resp: 2322101

Ion Ratio Lower Upper

107 100

109 95.4 76.0 114.0





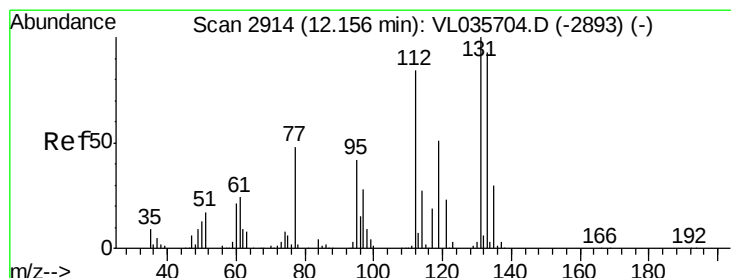
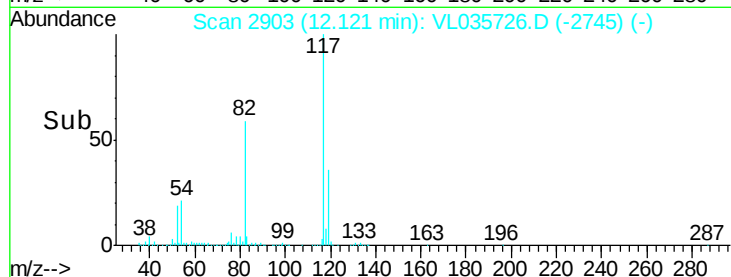
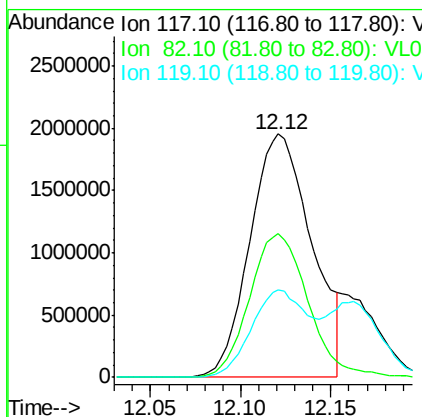
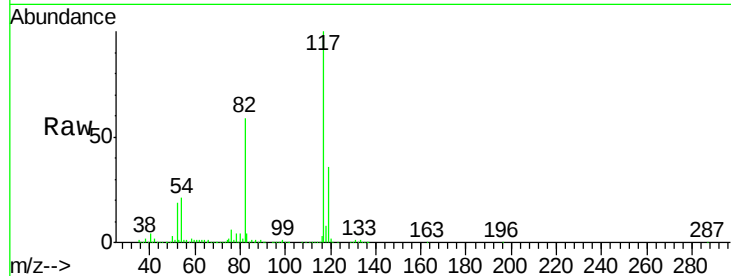
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion:117 Resp: 4637526
Ion Ratio Lower Upper
117 100
82 56.3 46.1 69.1
119 35.6 28.0 42.0

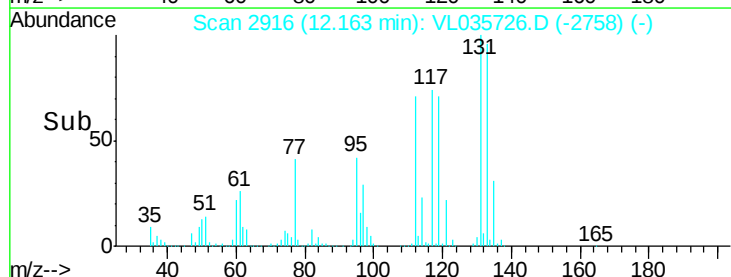
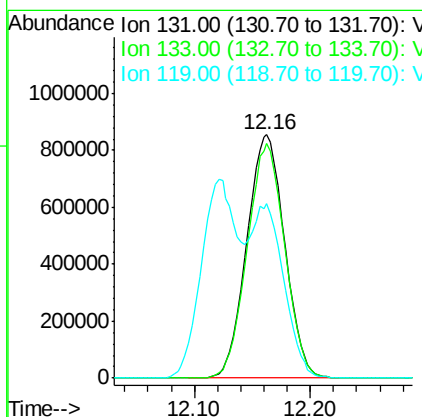
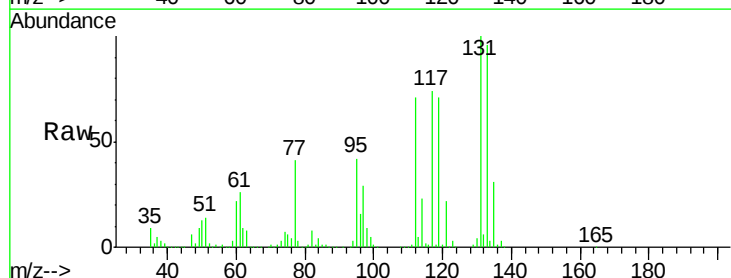
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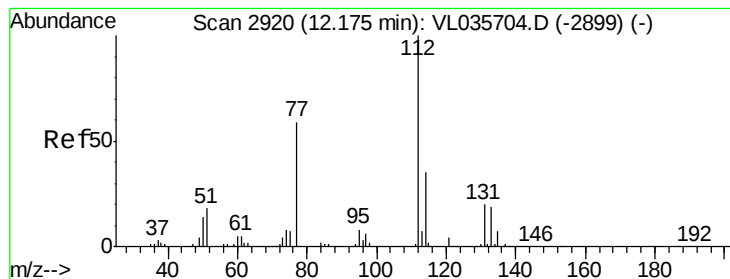
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.982 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion:131 Resp: 1941110
Ion Ratio Lower Upper
131 100
133 95.8 76.2 114.4
119 63.4 52.4 78.6





#57

Chlorobenzene

Concen: 9.238 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 112 Resp: 3235809

Ion Ratio Lower Upper

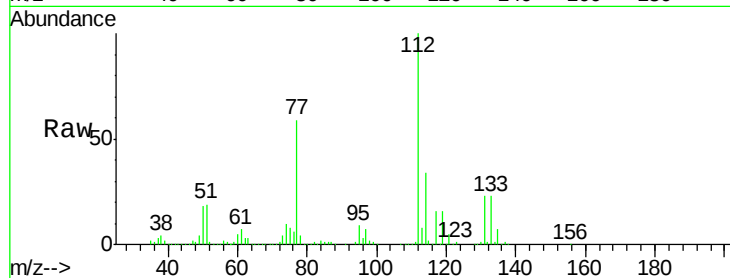
112 100

77 58.5 48.2 72.2

114 34.4 31.9 39.1

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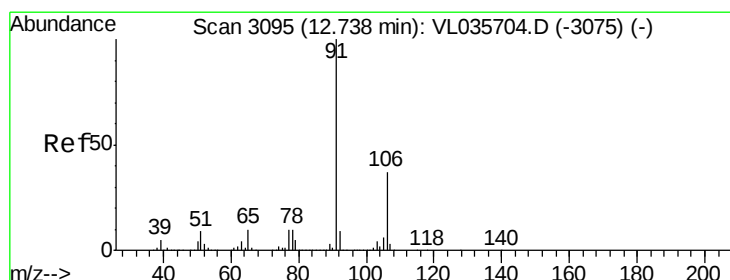
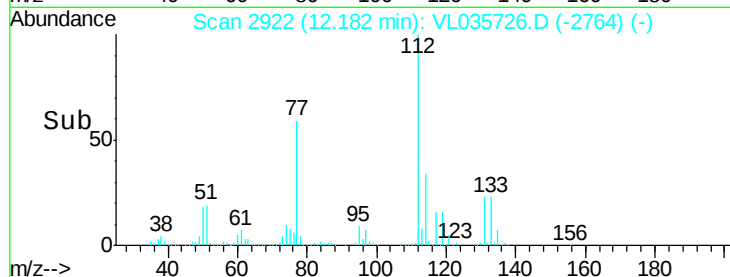
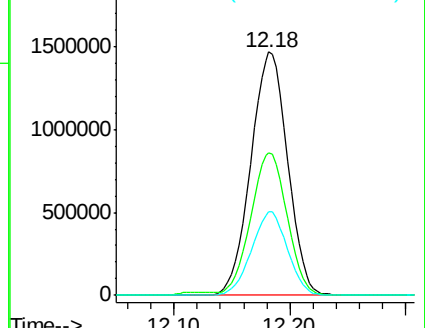
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.659 ppbv

RT: 12.74 min Scan# 3097

Delta R.T. 0.01 min

Lab File: VL035726.D

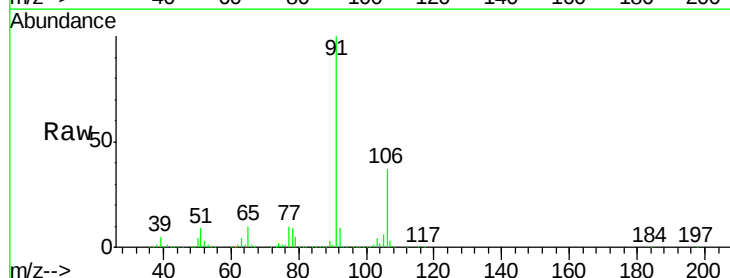
Acq: 29 Sep 2020 15:26

Tgt Ion: 91 Resp: 4961230

Ion Ratio Lower Upper

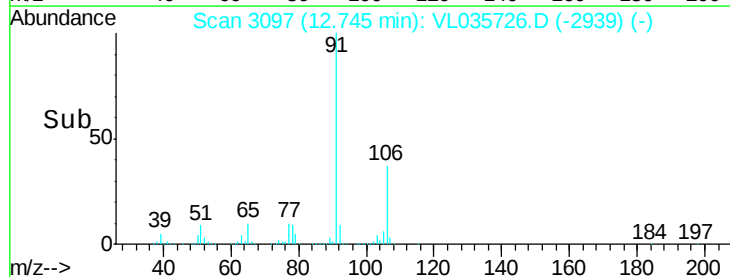
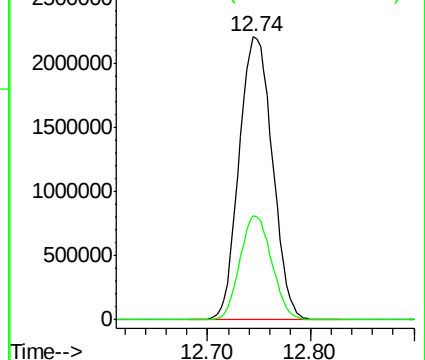
91 100

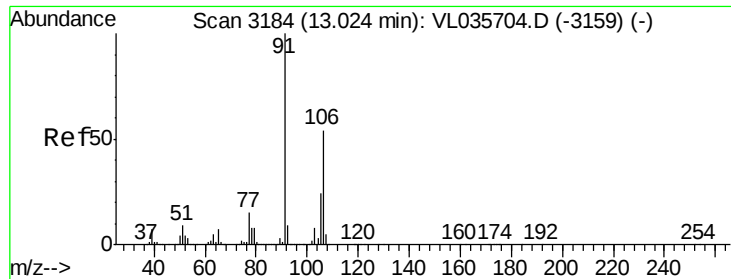
106 36.7 29.7 44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





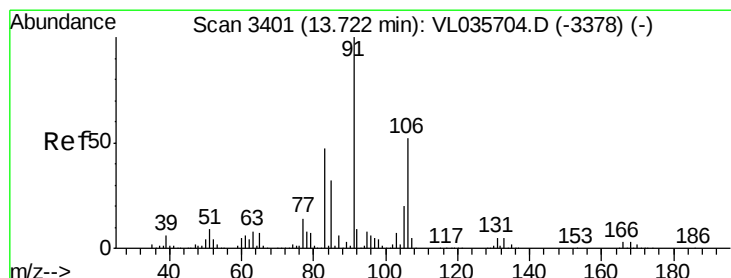
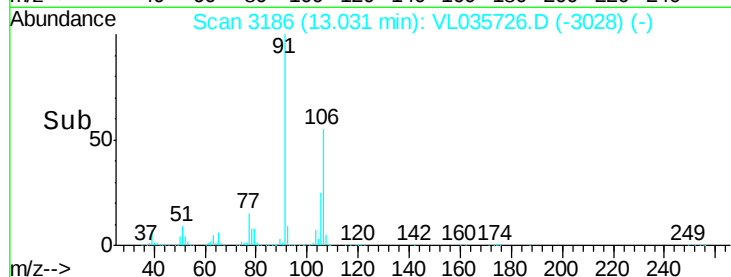
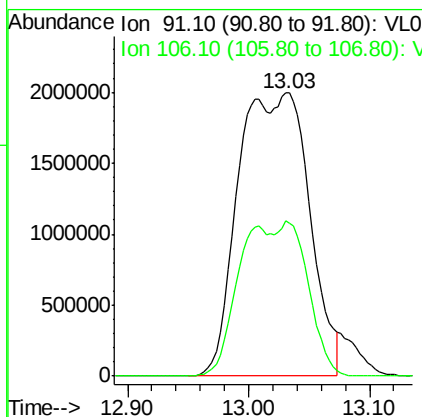
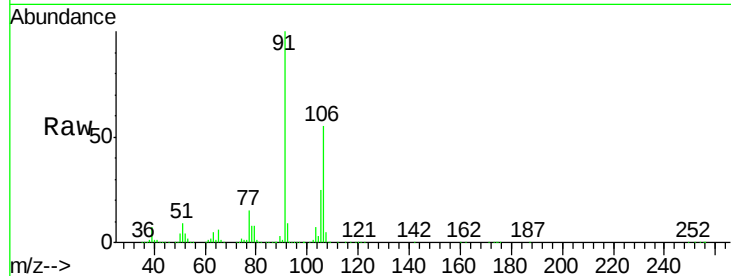
#59
m/p-Xylene
Concen: 20.136 ppbv m
RT: 13.03 min Scan# 3186
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion: 91 Resp: 8184949
Ion Ratio Lower Upper
91 100
106 52.0 41.4 62.0

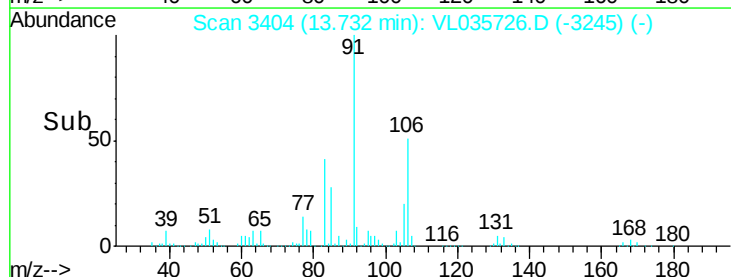
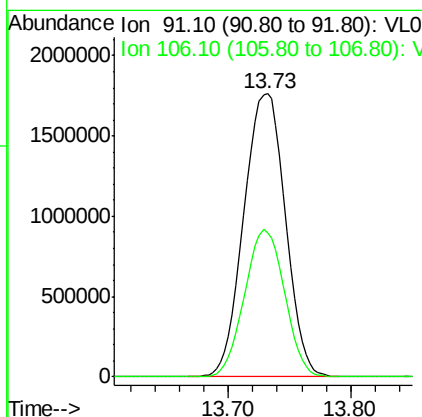
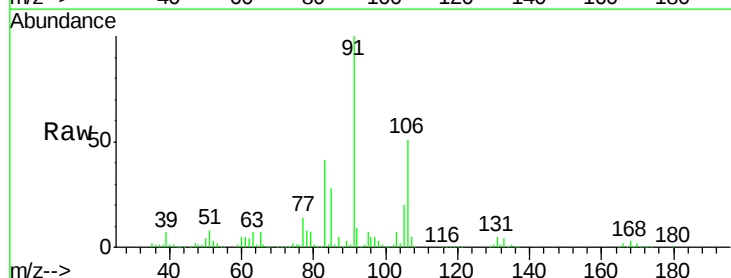
Manual Integrations
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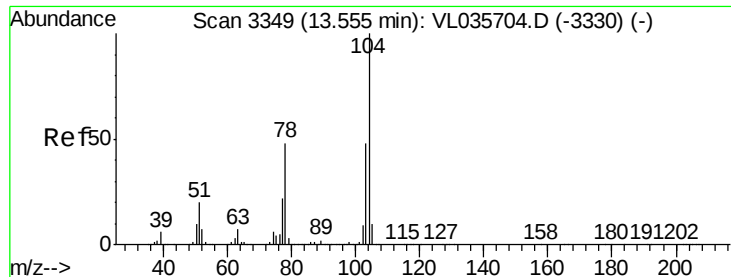
MMDadoda
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#60
o-Xylene
Concen: 10.114 ppbv
RT: 13.73 min Scan# 3404
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 91 Resp: 4158937
Ion Ratio Lower Upper
91 100
106 50.1 25.0 75.0





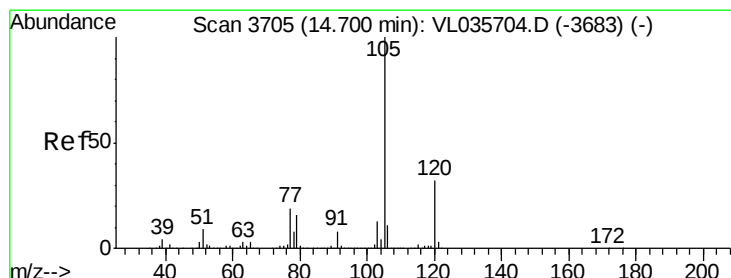
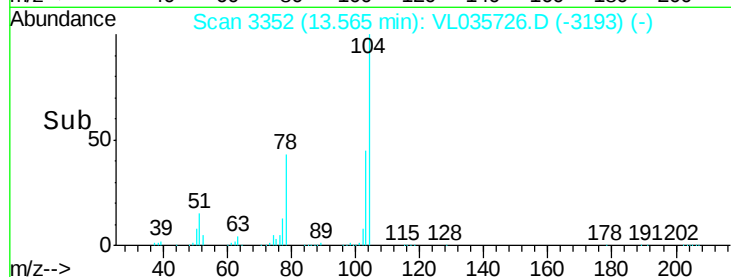
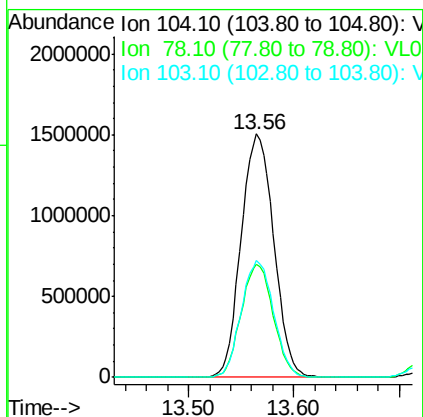
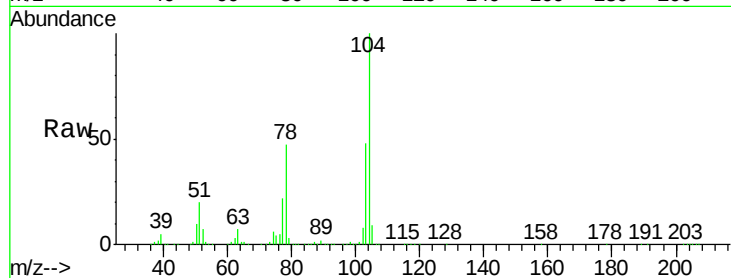
#61
Stvrene
Concen: 11.448 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.9	37.2	55.8
103	47.6	38.2	57.2

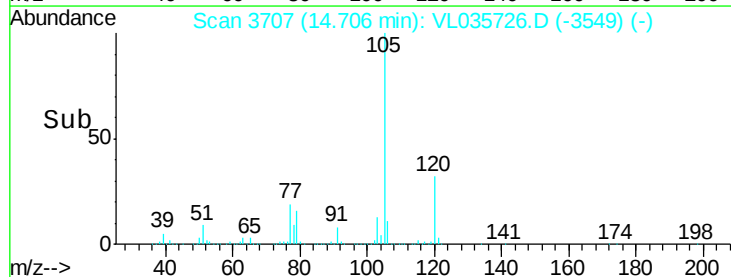
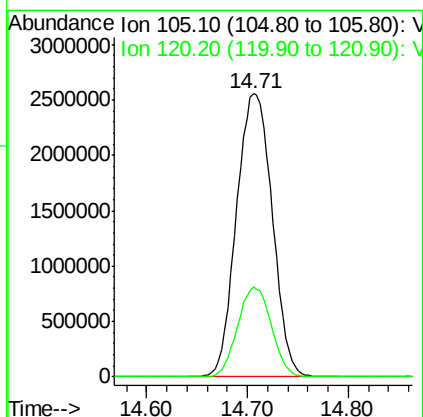
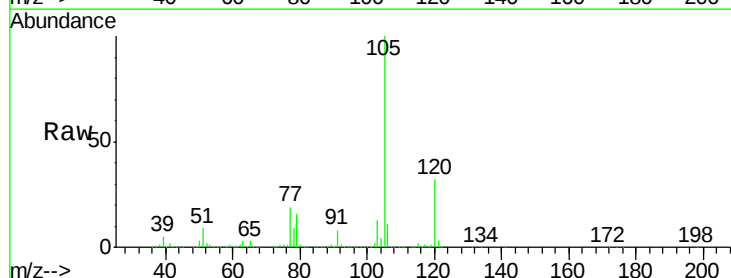
Manual Integrations
APPROVED

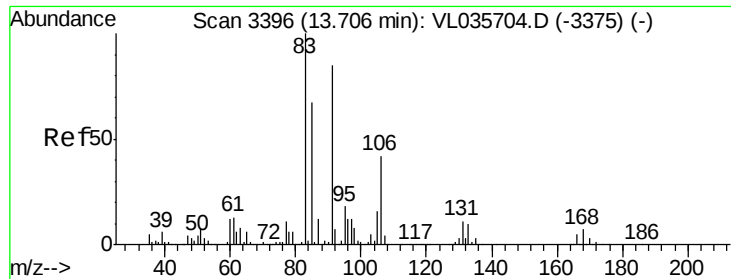
MMDadoda
9/30/2020 5:32:12 PM



#62
Isopropylbenzene
Concen: 9.849 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.0	24.1	36.1





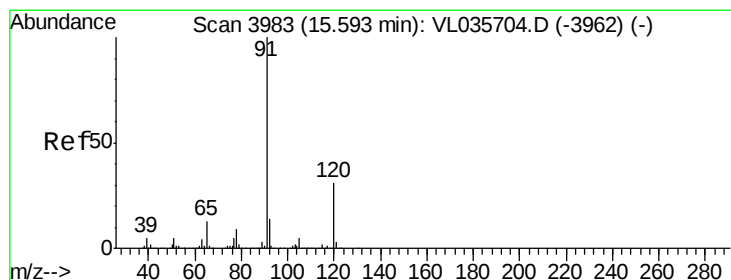
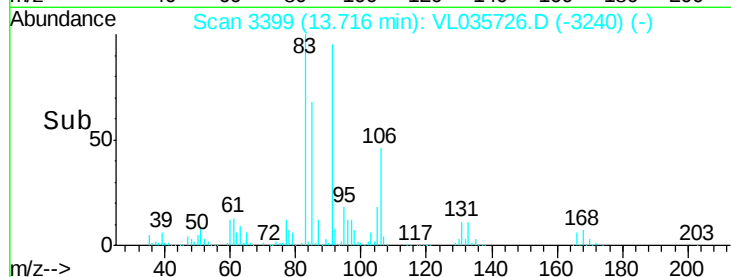
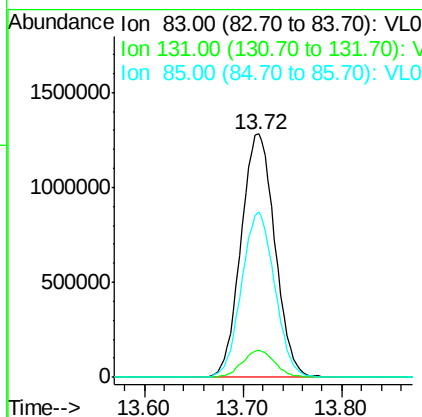
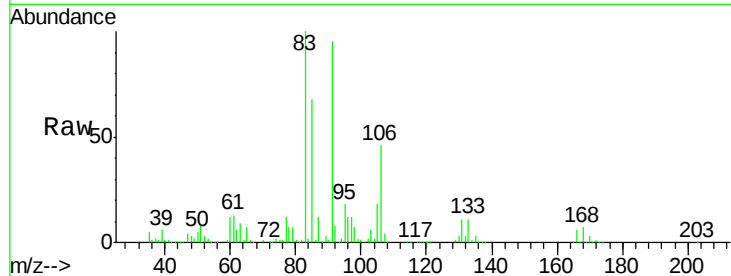
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.023 ppbv
 RT: 13.72 min Scan# 3399
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion: 83 Resp: 3042463
 Ion Ratio Lower Upper
 83 100
 131 10.7 5.3 16.1
 85 66.5 33.4 100.2

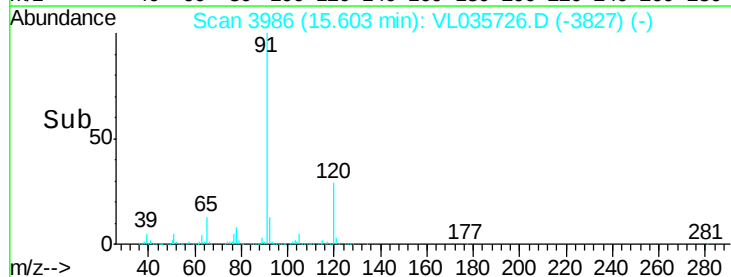
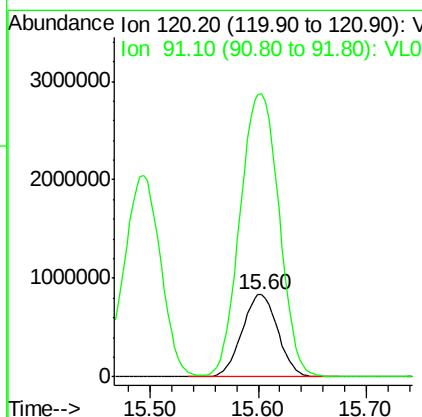
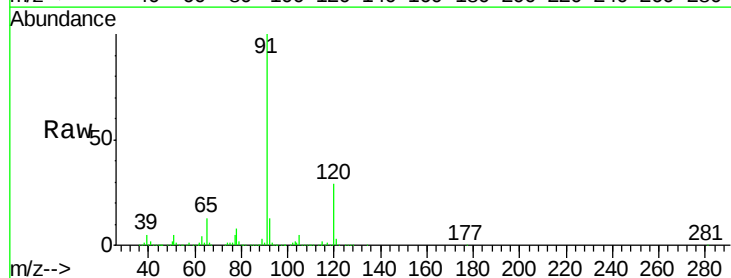
Manual Integrations
 APPROVED

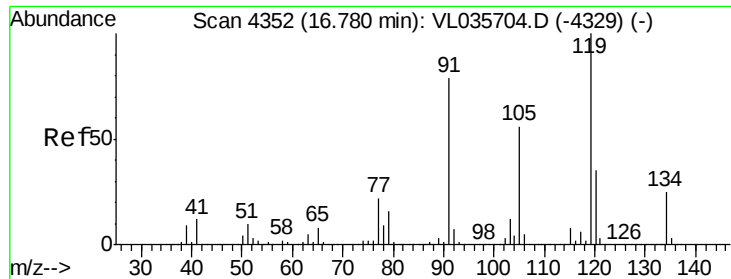
MMDadoda
 9/30/2020 5:32:12 PM



#64
 n-propylbenzene
 Concen: 10.326 ppbv
 RT: 15.60 min Scan# 3986
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion: 120 Resp: 1927471
 Ion Ratio Lower Upper
 120 100
 91 376.2 300.4 450.6





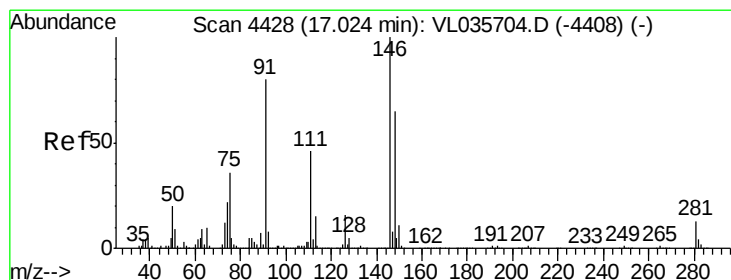
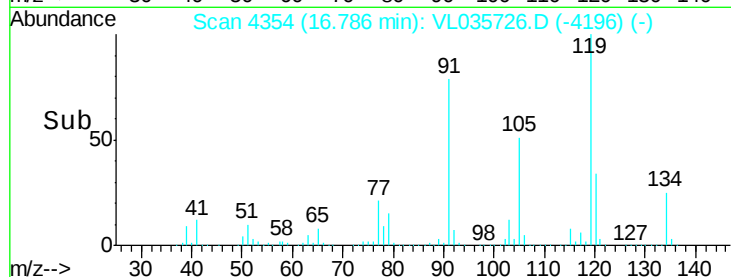
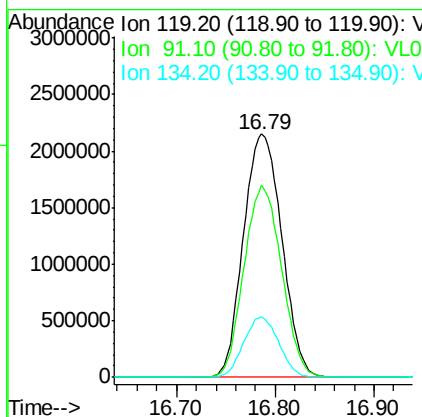
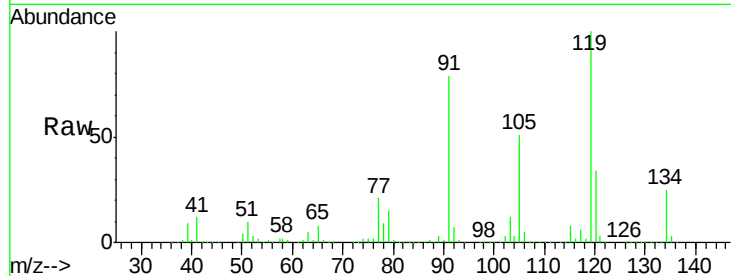
#65
tert-Butylbenzene
Concen: 10.001 ppbv
RT: 16.79 min Scan# 4354
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion:119 Resp: 5799488
Ion Ratio Lower Upper
119 100
91 77.0 62.4 93.6
134 22.6 18.2 27.2

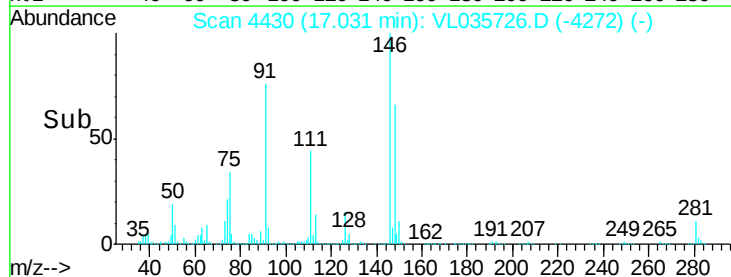
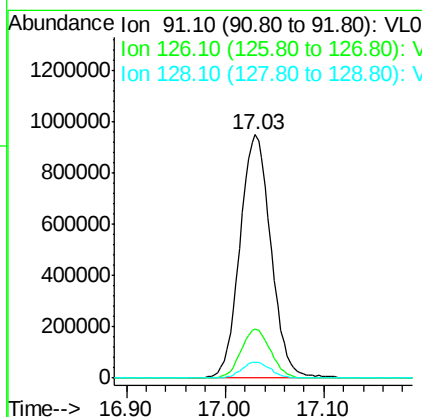
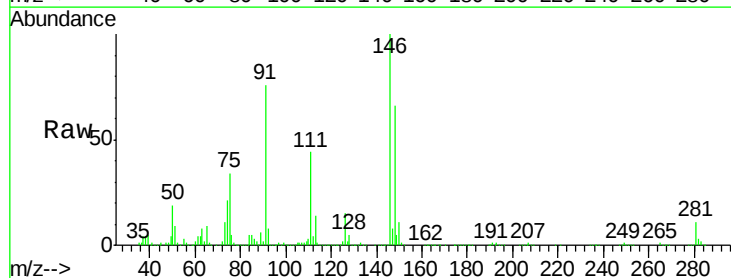
Manual Integrations
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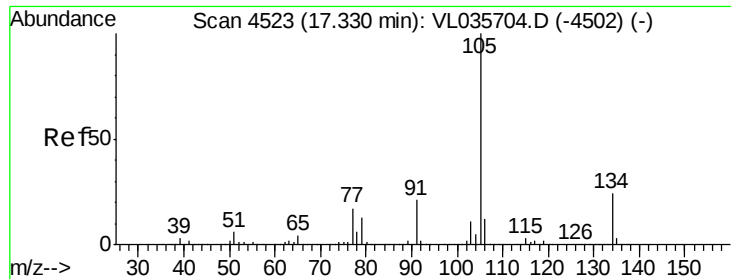
MMDadoda
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#66
Benzyl Chloride
Concen: 11.733 ppbv
RT: 17.03 min Scan# 4430
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion: 91 Resp: 2061297
Ion Ratio Lower Upper
91 100
126 19.3 15.3 22.9
128 6.3 5.0 7.4





#67

sec-Butylbenzene

Concen: 9.676 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion:105 Resp: 7748078

Ion Ratio Lower Upper

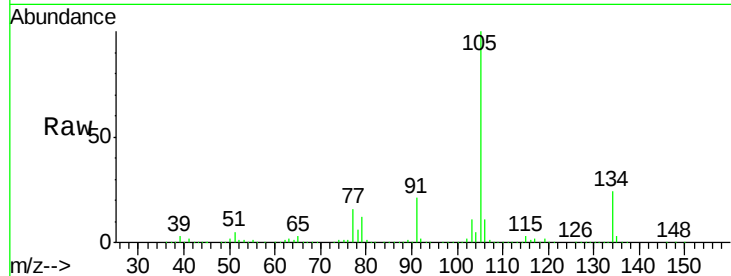
105 100

134 21.9 17.6 26.4

Manual Integrations
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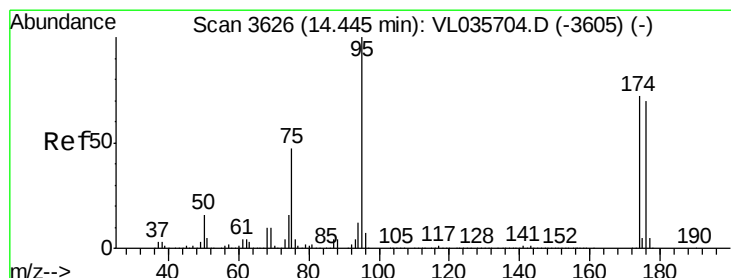
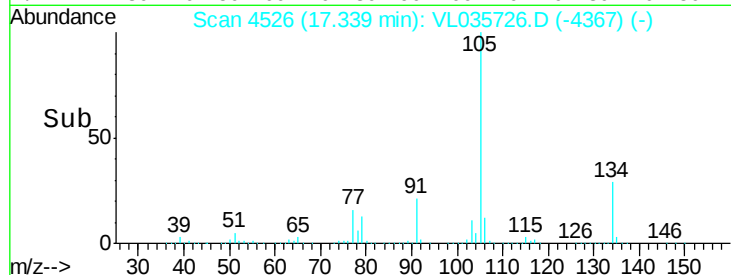
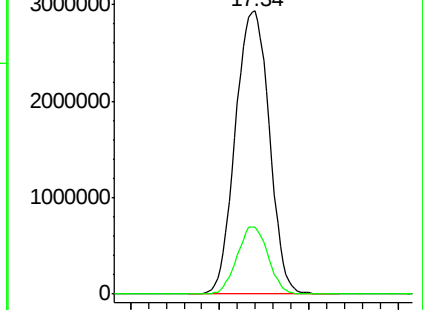
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.770 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

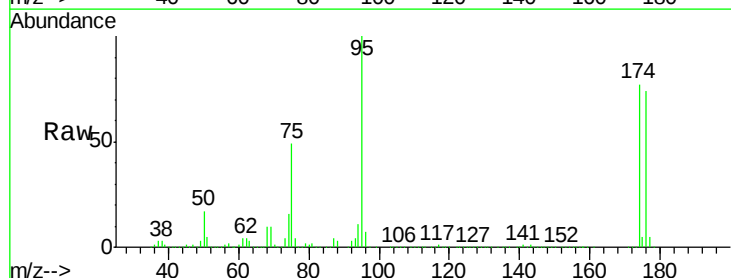
Tgt Ion: 95 Resp: 3395095

Ion Ratio Lower Upper

95 100

174 76.5 59.6 89.4

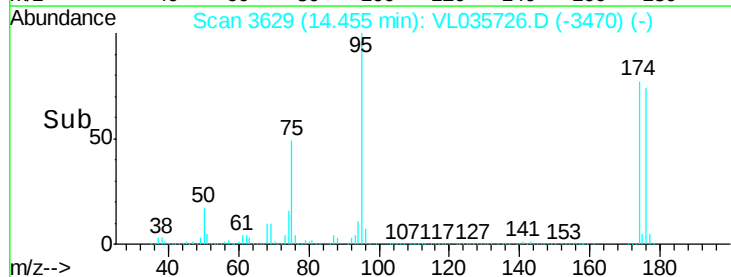
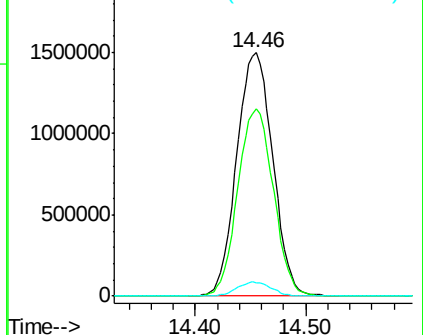
175 5.5 4.2 6.4

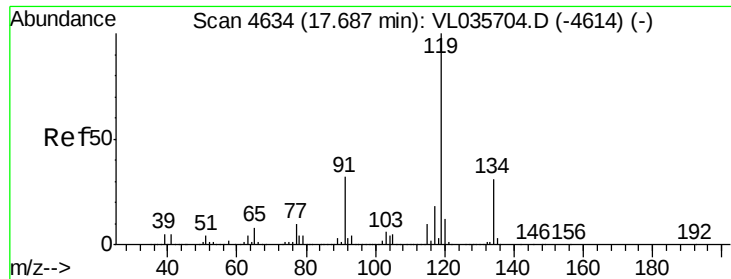


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





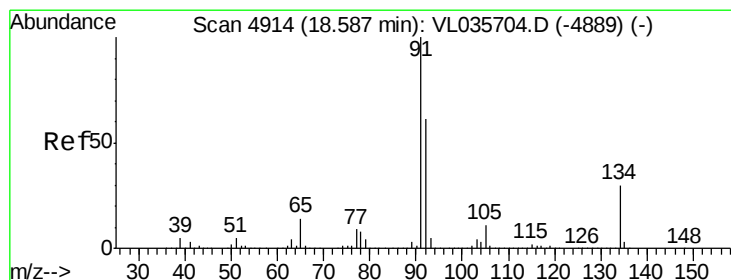
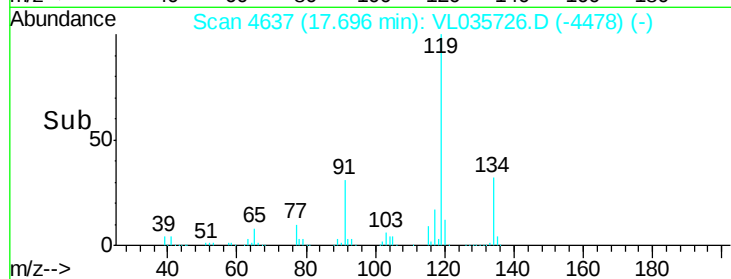
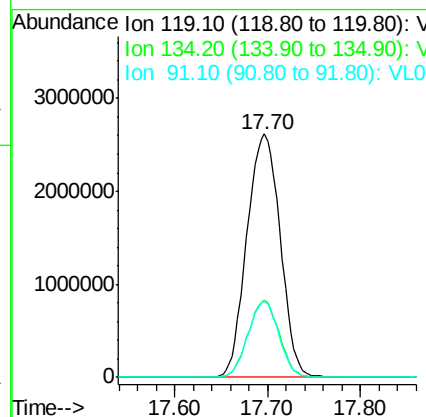
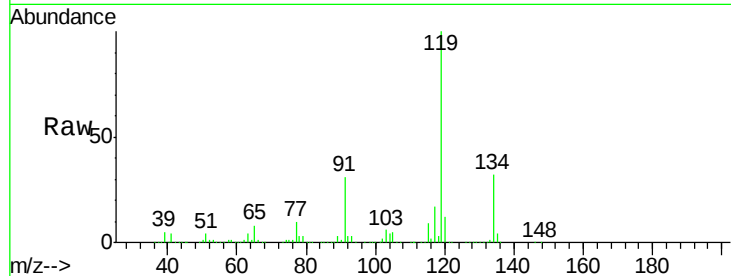
#69
p-Isopropyltoluene
Concen: 10.016 ppbv
RT: 17.70 min Scan# 4637
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.6	23.9	35.9
91	29.0	23.8	35.6

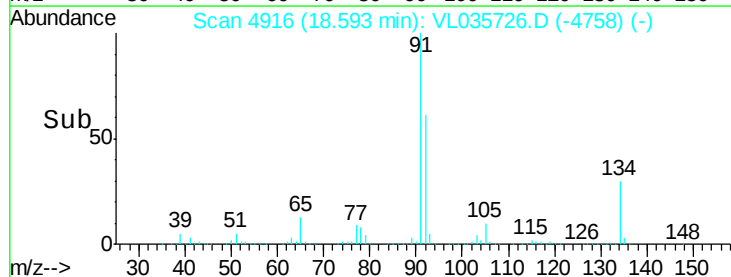
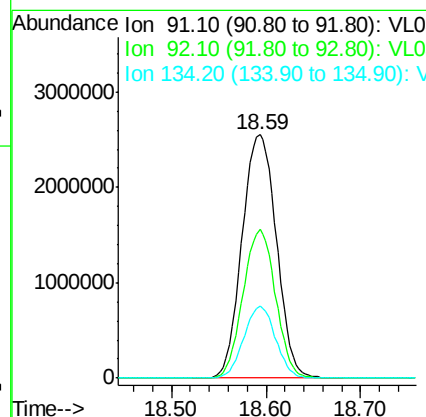
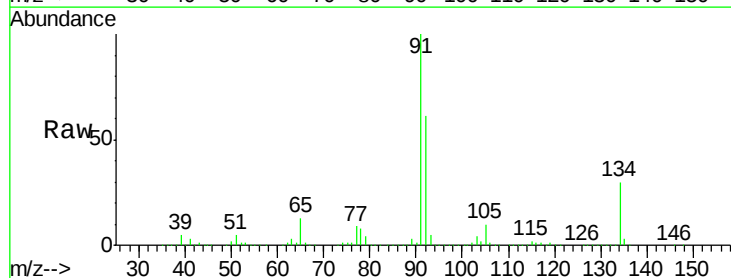
Manual Integrations
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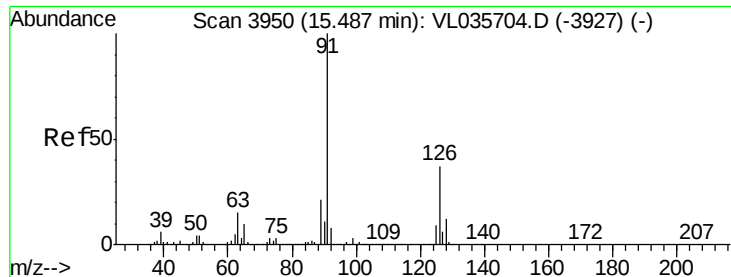
MMDadoda
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#70
n-Butylbenzene
Concen: 9.604 ppbv
RT: 18.59 min Scan# 4916
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.8	47.0	70.4
134	27.4	21.9	32.9





#71

2-Chlorotoluene

Concen: 10.277 ppbv

RT: 15.49 min Scan# 3952

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion: 91 Resp: 4781139

Ion Ratio Lower Upper

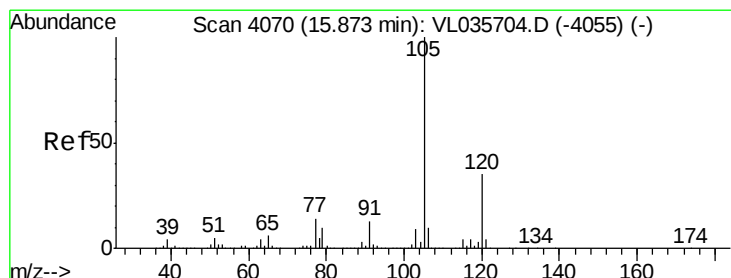
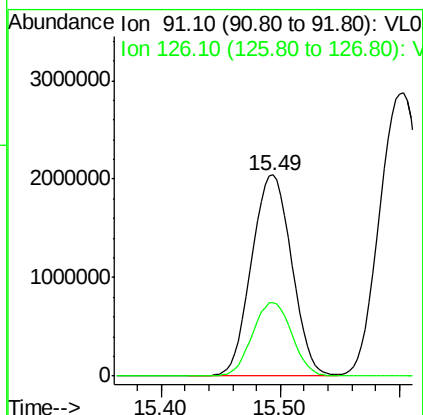
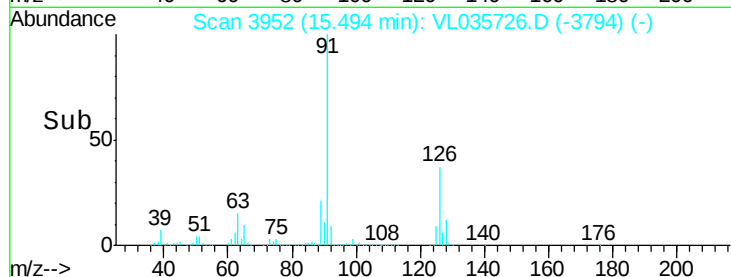
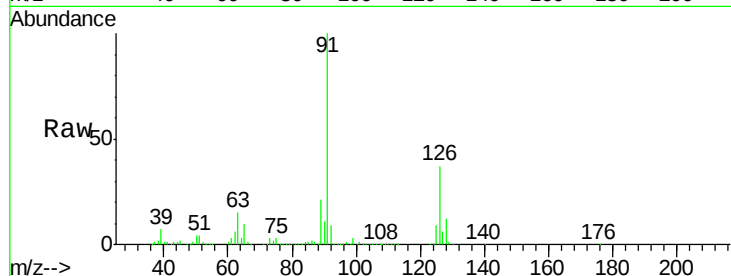
91 100

126 36.1 14.4 57.4

Manual Integrations
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#72

4-Ethyltoluene

Concen: 10.449 ppbv

RT: 15.88 min Scan# 4072

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion:105 Resp: 5089950

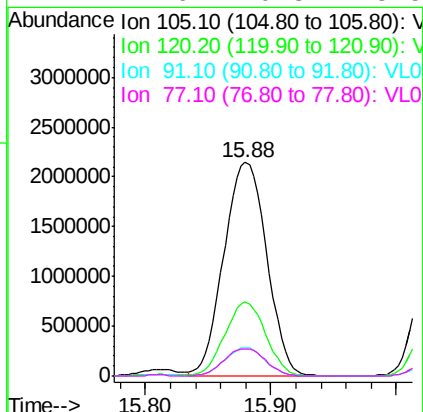
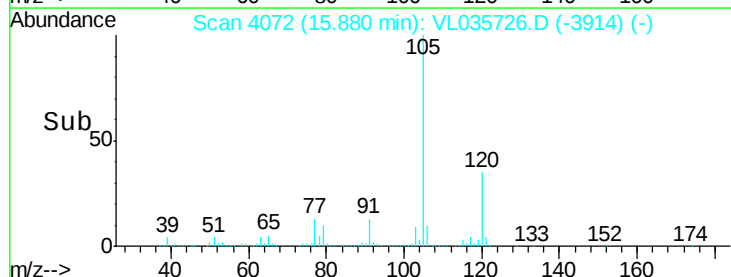
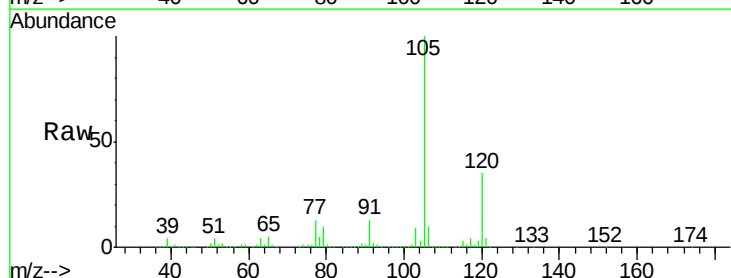
Ion Ratio Lower Upper

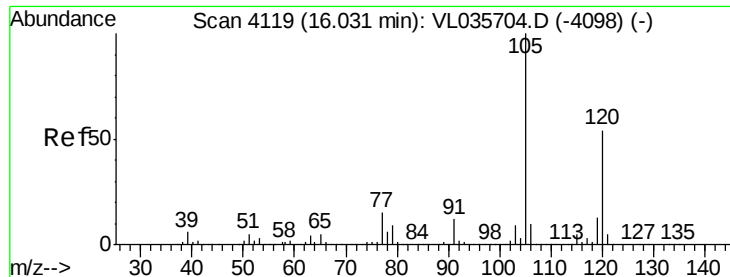
105 100

120 33.3 26.5 39.7

91 12.6 10.2 15.2

77 12.6 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 10.262 ppbv

RT: 16.04 min Scan# 4121

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion:105 Resp: 4723491

Ion Ratio Lower Upper

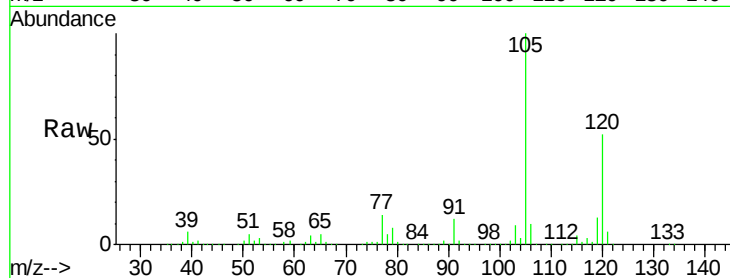
105 100

120 51.6 43.0 64.4

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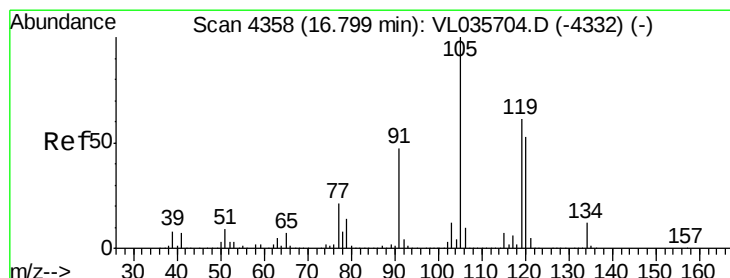
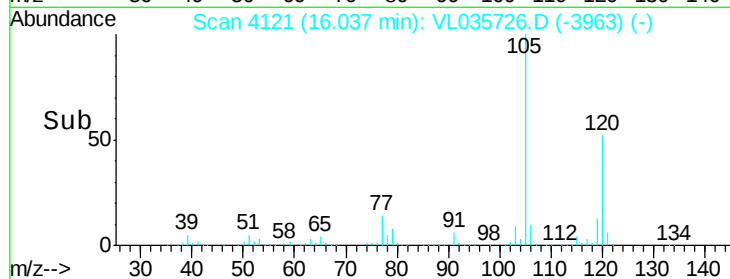
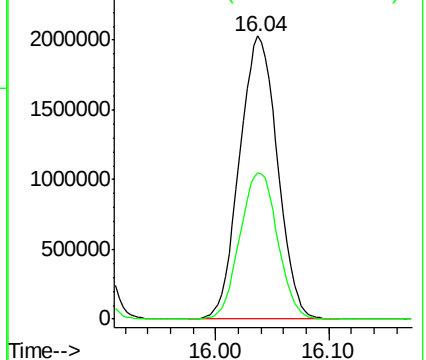
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.499 ppbv

RT: 16.81 min Scan# 4360

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Tgt Ion:105 Resp: 4929022

Ion Ratio Lower Upper

105 100

120 53.5 42.5 63.7

91 49.1 37.7 56.5

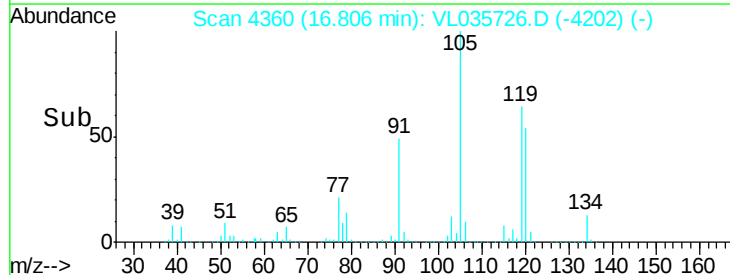
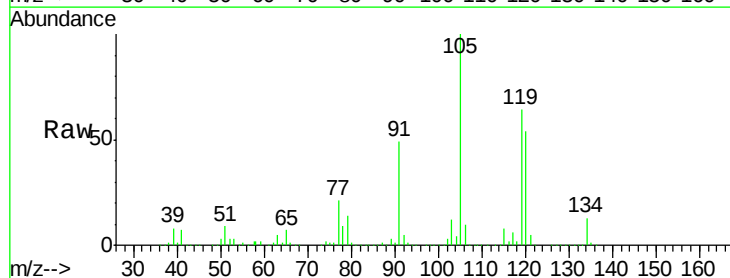
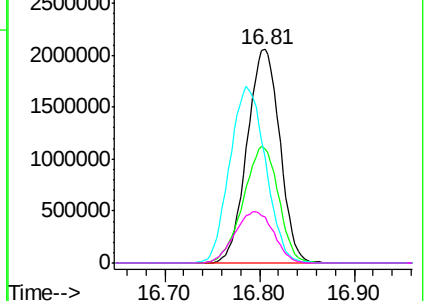
77 21.3 16.7 25.1

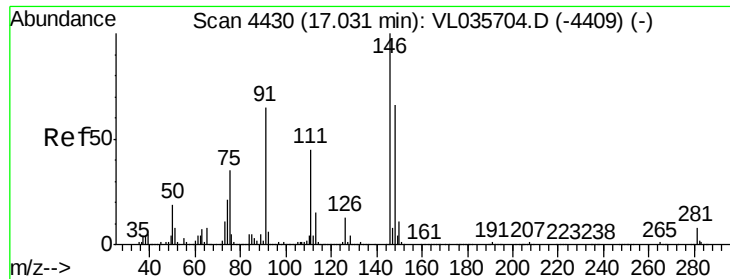
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





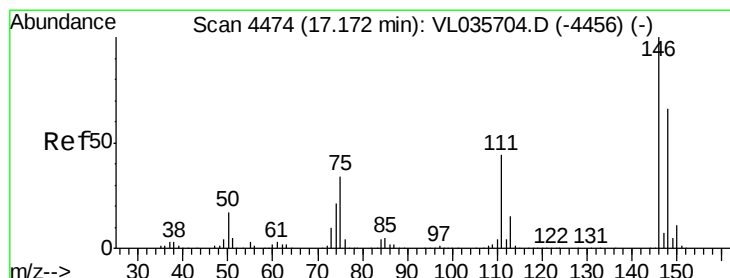
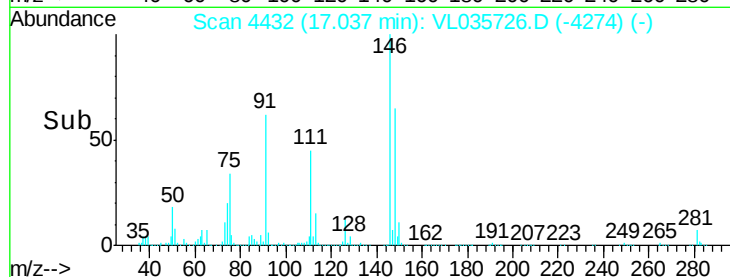
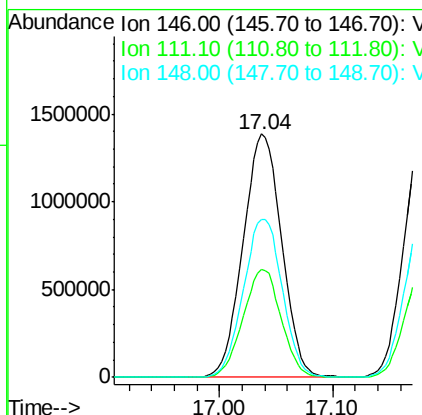
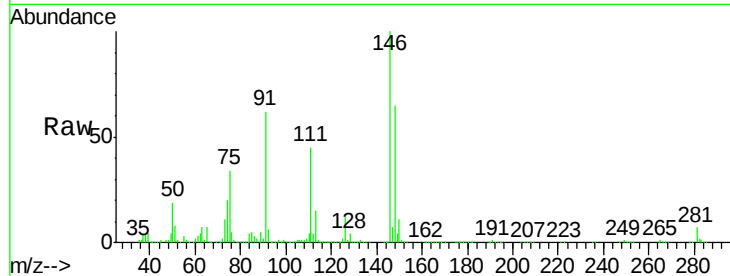
#75
 1,3-Dichlorobenzene
 Concen: 9.278 ppbv
 RT: 17.04 min Scan# 4432
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0929ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	22.4	67.0
148	65.6	33.0	99.0

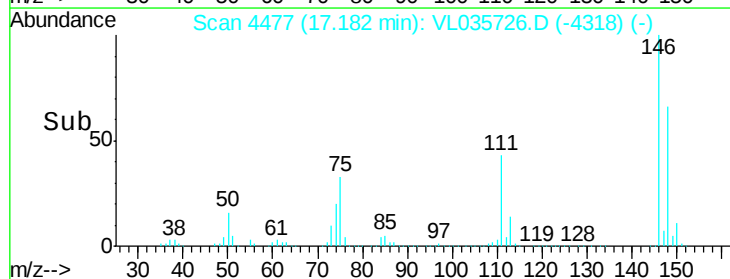
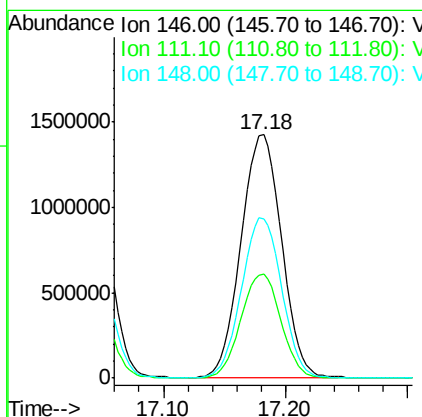
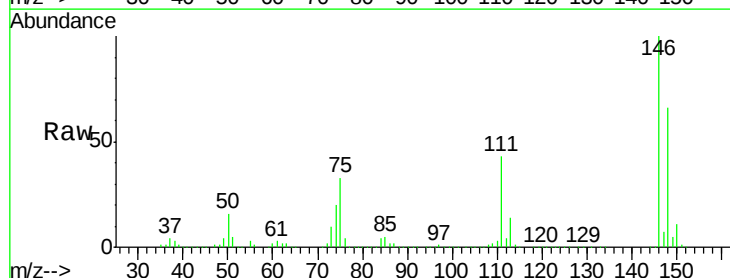
Manual Integrations
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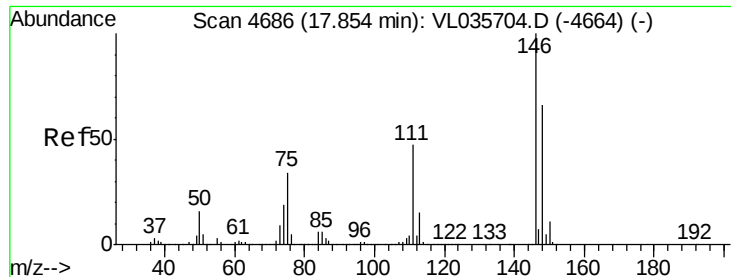
MMDadoda
 9/30/2020 5:32:12 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.646 ppbv
 RT: 17.18 min Scan# 4477
 Delta R.T. 0.01 min
 Lab File: VL035726.D
 Acq: 29 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.4	64.3
148	65.7	32.6	98.0





#77

1,2-Dichlorobenzene

Concen: 9.553 ppbv

RT: 17.86 min Scan# 4688

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion:146 Resp: 3196559

Ion Ratio Lower Upper

146 100

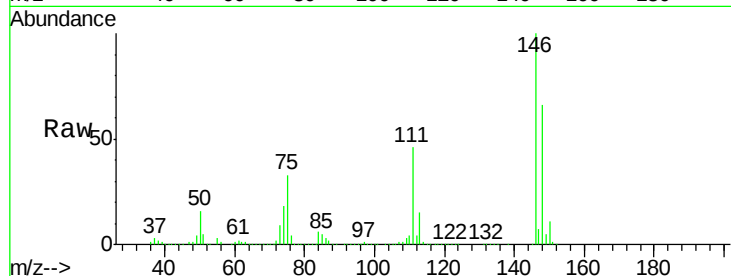
111 45.0 22.9 68.5

148 65.0 32.6 98.0

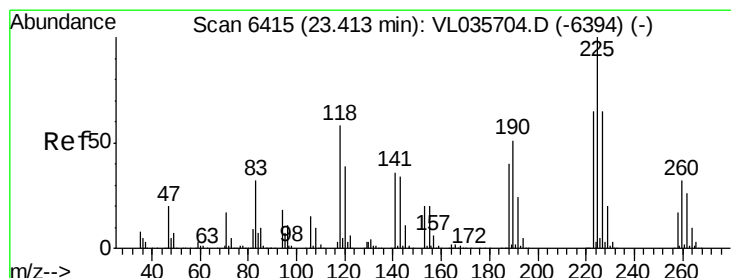
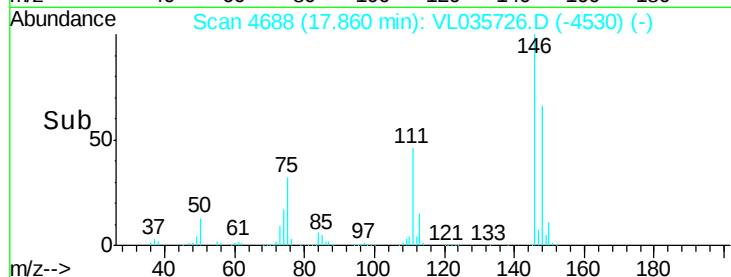
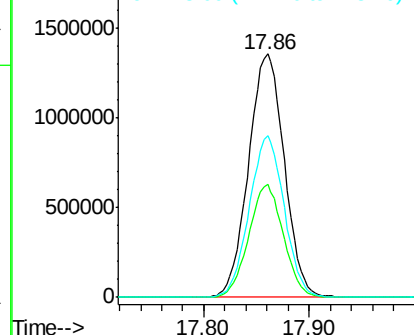
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.464 ppbv

RT: 23.42 min Scan# 6417

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

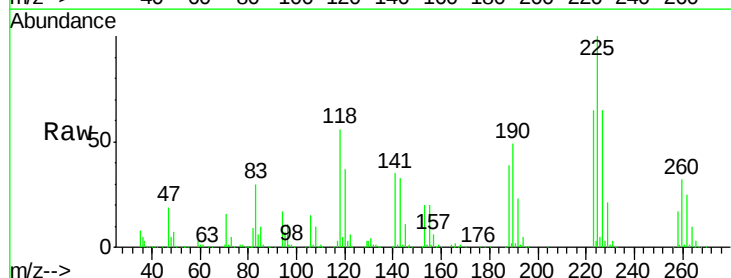
Tgt Ion:225 Resp: 1747130

Ion Ratio Lower Upper

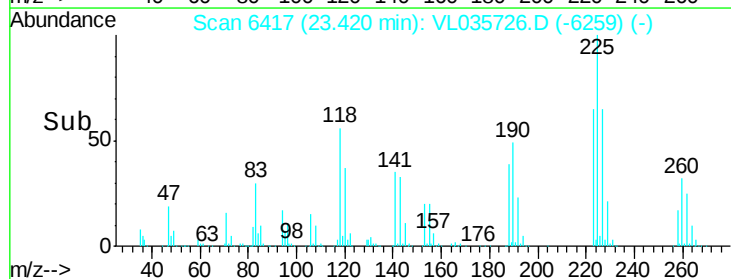
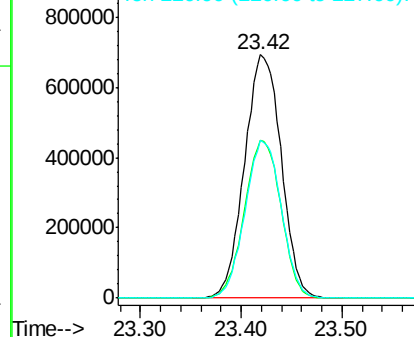
225 100

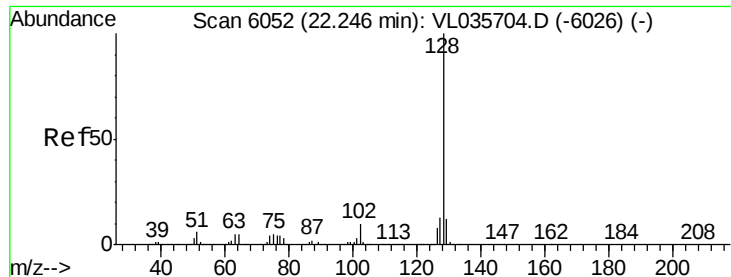
223 64.4 51.3 76.9

227 63.9 51.6 77.4



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





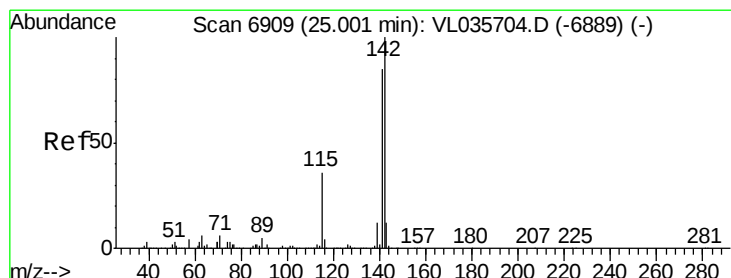
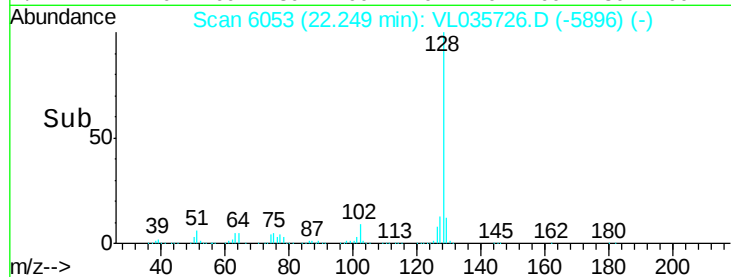
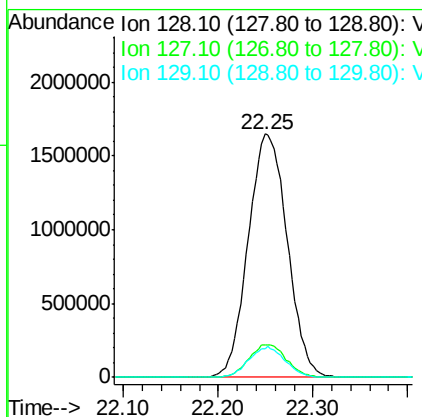
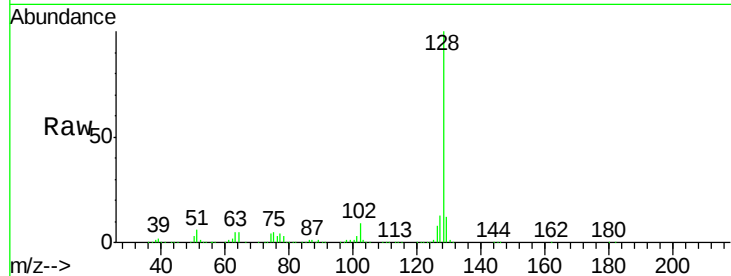
#79
Naphthalene
Concen: 9.527 ppbv
RT: 22.25 min Scan# 6053
Delta R.T. 0.00 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
VL0929ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.8	9.4	14.0

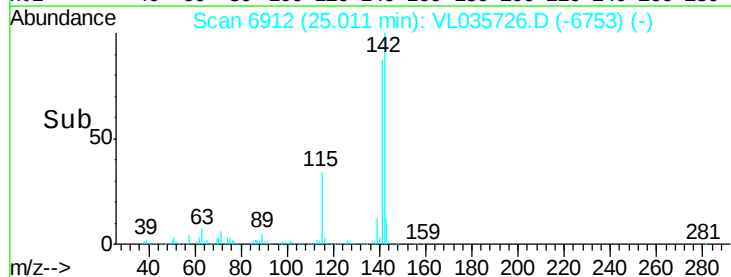
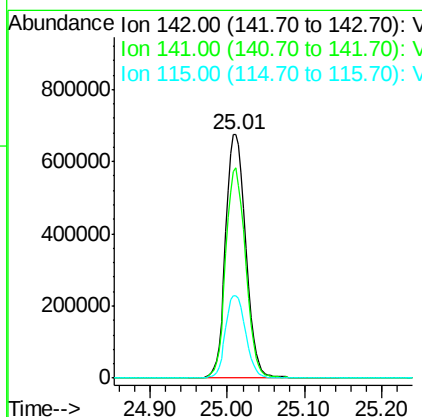
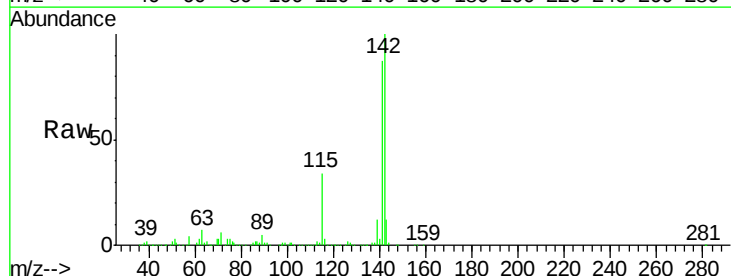
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#80
Naphthalene, 2-methyl-
Concen: 10.430 ppbv
RT: 25.01 min Scan# 6912
Delta R.T. 0.01 min
Lab File: VL035726.D
Acq: 29 Sep 2020 15:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.2	102.4
115	34.1	27.8	41.6





#81

1,2,4-Trichlorobenzene

Concen: 9.731 ppbv

RT: 21.98 min Scan# 5970

Delta R.T. 0.01 min

Lab File: VL035726.D

Acq: 29 Sep 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

VL0929ABS01

Tot Ion:180 Resp: 2495922

Ion Ratio Lower Upper

180 100

182 94.9 76.2 114.2

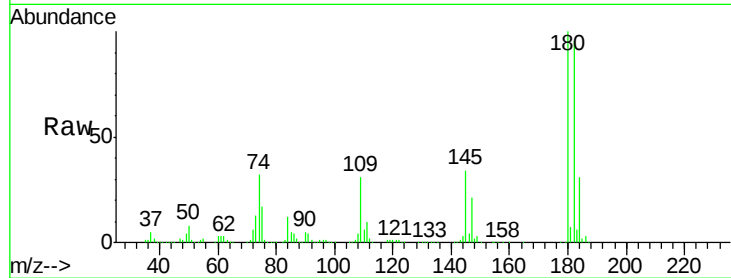
184 31.1 24.6 37.0

Manual Integrations

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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

