

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061421\
 Data File : VL037152.D
 Acq On : 14 Jun 2021 17:09
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Manual Integrations
 APPROVED

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 6/15/2021 5:17:15 PM

Quant Time: Jun 14 19:32:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1571631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4647800	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4474140m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3292482	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	1938464	7.744	ppbv 100
3) Chlorodifluoromethane	3.00	51	2829498	9.597	ppbv 100
4) Chloromethane	3.15	50	967510	9.631	ppbv 97
5) Vinyl Chloride	3.27	62	1078066	11.093	ppbv 98
6) Bromomethane	3.48	94	632884	10.237	ppbv 98
7) Chloroethane	3.57	64	368617	9.720	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	2537169	9.487	ppbv 100
9) Propene	3.02	41	926251	9.525	ppbv 98
10) Heptane	8.14	43	2351279	10.142	ppbv 99
11) Trichlorofluoromethane	3.96	101	2812233	9.903	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	1953126	10.025	ppbv 98
13) Ethanol	3.62	45	123408	9.184	ppbv 92
14) Bromoethene	3.75	108	868920	10.308	ppbv 100
15) Acetone	3.86	43	1400234	7.446	ppbv 98
16) 1,3-Butadiene	3.33	39	1029018	10.134	ppbv 99
17) tert-Butyl alcohol	4.30	59	1779135	10.931	ppbv 100
18) 1,1-Dichloroethene	4.30	96	884245	10.061	ppbv 96
19) Isopropyl Alcohol	3.98	45	1075722	10.424	ppbv 100
20) Methylene Chloride	4.36	84	723298	8.825	ppbv 94
21) Allyl Chloride	4.42	41	1285017	10.228	ppbv 99
22) trans-1,2-Dichloroethene	4.90	96	908222	10.606	ppbv 98
23) Vinyl Acetate	5.09	43	2641548	10.696	ppbv 99
24) 1,1-Dichloroethane	5.02	63	2053113	10.359	ppbv 99
25) Ethyl Acetate	5.69	43	3730365	10.123	ppbv 99
26) Hexane	5.70	57	1765501	9.634	ppbv 99
27) Carbon Disulfide	4.56	76	2090472	11.251	ppbv 99
28) Methyl tert-Butyl Ether	5.05	73	2358243	10.274	ppbv 99
29) Chloroform	5.76	83	2901768	9.808	ppbv 100
30) Cyclohexane	7.15	84	1609243	10.072	ppbv 99
31) cis-1,2-Dichloroethene	5.56	61	1820789	10.309	ppbv 99
32) 1,1,1-Trichloroethane	6.53	97	3027425	11.144	ppbv 100
34) 2-Butanone	5.26	43	1773595	10.161	ppbv 99
35) Carbon Tetrachloride	7.03	117	3258504	11.405	ppbv 100
36) Benzene	6.91	78	3703746	10.042	ppbv 100
37) 1,2-Dichloroethane	6.32	62	2202693	10.285	ppbv 100
38) Trichloroethene	7.85	130	1609587	10.100	ppbv 98
39) 1,2-Dichloropropane	7.63	63	1435928	10.198	ppbv 99
40) 1,4-Dioxane	7.85	88	401550m	10.184	ppbv
41) Tetrahydrofuran	6.06	42	890476	10.482	ppbv 99
42) Bromodichloromethane	7.81	83	3164440	10.725	ppbv 97
43) Methyl Methacrylate	8.03	69	1391775	11.000	ppbv 99

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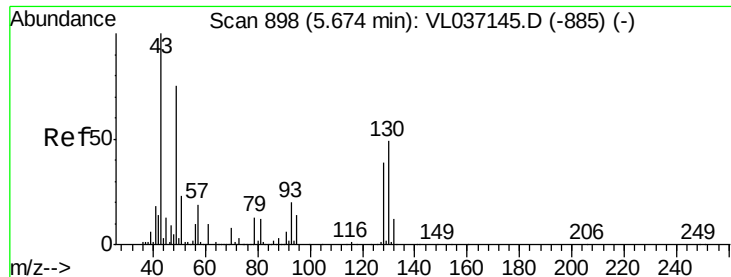
Manual Integrations
 APPROVED

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 6/15/2021 5:17:15 PM

Quant Time: Jun 14 19:32:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jun 14 2021
 QLast Update : Mon Jun 14 16:49:11 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	6111229	9.900	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1380614	12.108	ppbv	99
46) cis-1,3-Dichloropropene	8.72	75	1738679	11.429	ppbv	97
47) 1,1,2-Trichloroethane	9.49	97	1610559	10.084	ppbv	99
48) Dibromochloromethane	10.32	129	2929791	11.371	ppbv	99
49) Bromoform	13.06	173	2403246	11.940	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2703453	10.528	ppbv	99
51) 2-Hexanone	10.16	43	1414149	11.033	ppbv	98
52) Tetrachloroethene	11.24	164	1566510	10.270	ppbv	99
53) Toluene	9.83	91	4504466	10.275	ppbv	100
54) 1,2-Dibromoethane	10.63	107	2438764	10.428	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.14	131	1953266	10.010	ppbv	97
57) Chlorobenzene	12.17	112	3467127	9.671	ppbv	100
58) Ethyl Benzene	12.73	91	6016420	9.927	ppbv	99
59) m/p-Xylene	13.02	91	10122664m	19.655	ppbv	
60) o-Xylene	13.71	91	4803958	9.715	ppbv	100
61) Styrene	13.55	104	2819193	10.814	ppbv	100
62) Isopropylbenzene	14.68	105	6703977	9.511	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.70	83	3246240	10.097	ppbv	100
64) n-propylbenzene	15.58	120	1830657	10.184	ppbv	100
65) tert-Butylbenzene	16.76	119	6152914	9.632	ppbv	99
66) Benzyl Chloride	17.00	91	325984	11.692	ppbv	97
67) sec-Butylbenzene	17.31	105	8115916	9.563	ppbv	100
69) p-Isopropyltoluene	17.67	119	7058394	9.949	ppbv	100
70) n-Butylbenzene	18.57	91	6698910	10.320	ppbv	100
71) 2-Chlorotoluene	15.47	91	4939822	9.825	ppbv	99
72) 4-Ethyltoluene	15.86	105	5881183	10.238	ppbv	99
73) 1,3,5-Trimethylbenzene	16.01	105	5290206	9.710	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	5556878	10.024	ppbv	98
75) 1,3-Dichlorobenzene	17.01	146	3445459	10.094	ppbv	100
76) 1,4-Dichlorobenzene	17.16	146	3415228	10.074	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	3304717	9.819	ppbv	100
78) Hexachloro-1,3-Butadiene	23.39	225	2114737	8.863	ppbv	100
79) Naphthalene	22.22	128	4166016	12.485	ppbv	100
80) Naphthalene, 2-methyl-	24.99	142	1432859	17.749	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2428516	11.442	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.01 min

Lab File: VL037152.D

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Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 49 Resp: 1571631

Ion Ratio Lower Upper

49 100

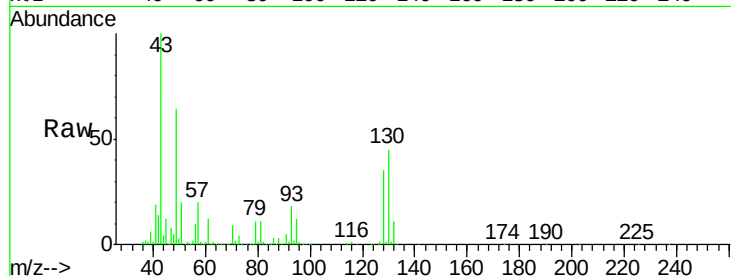
128 59.0 28.8 86.5

130 72.6 36.0 108.0

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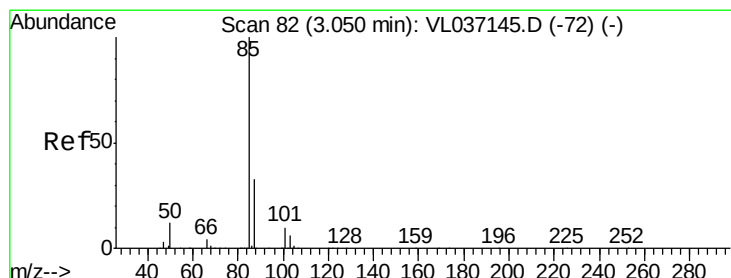
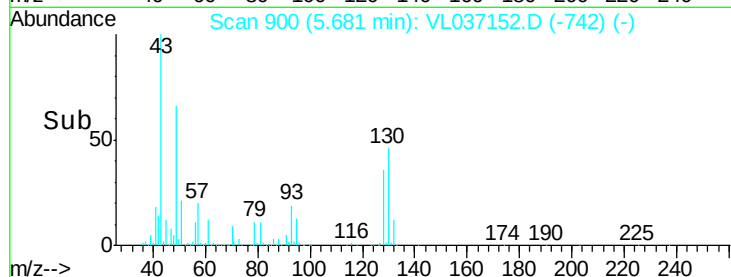
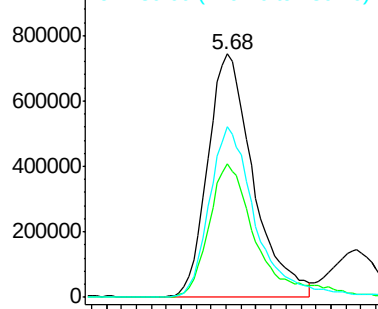
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.744 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL037152.D

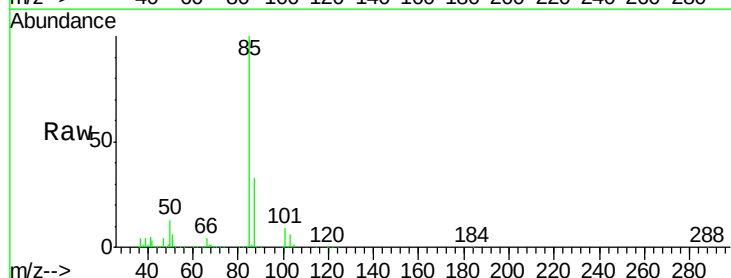
Acq: 14 Jun 2021 17:09

Tgt Ion: 85 Resp: 1938464

Ion Ratio Lower Upper

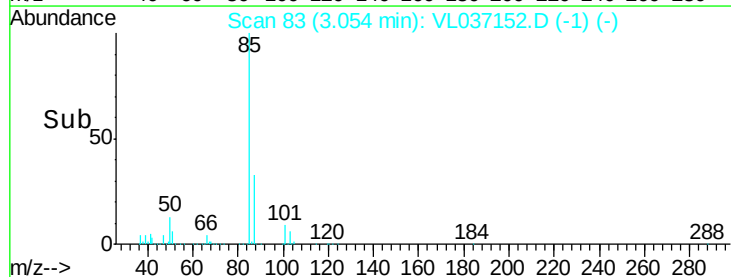
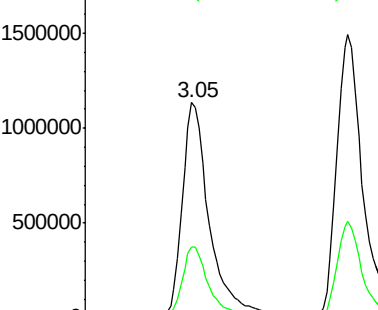
85 100

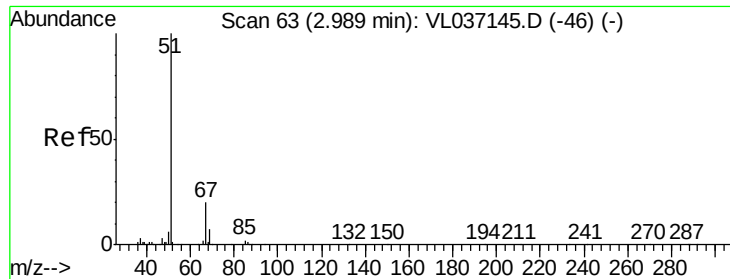
87 32.9 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





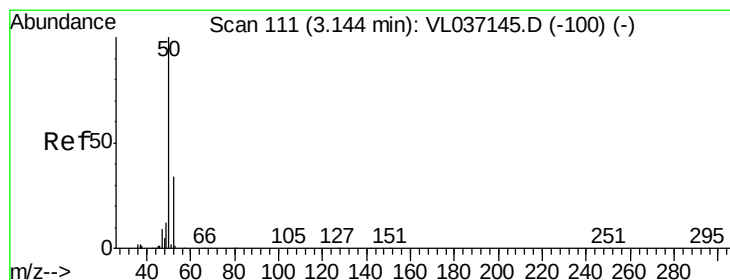
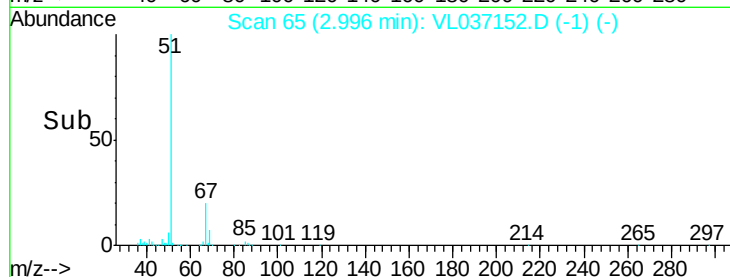
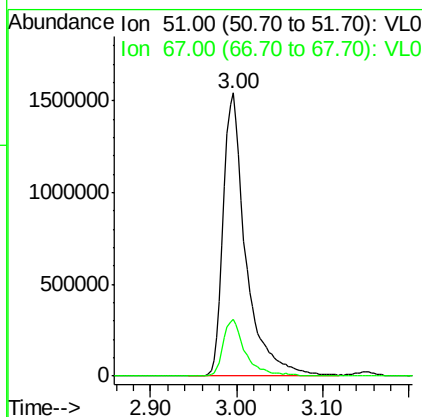
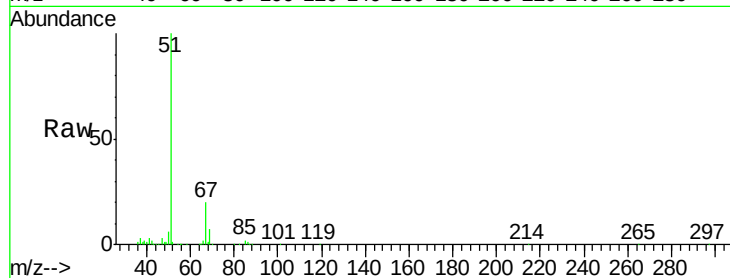
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Chlorodifluoromethane
Concen: 9.597 ppbv
RT: 3.00 min Scan# 65
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
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ClientSampleId :
ICVVL061421

Tot Ion: 51 Resp: 2829498
Ion Ratio Lower Upper
51 100
67 19.9 15.9 23.9

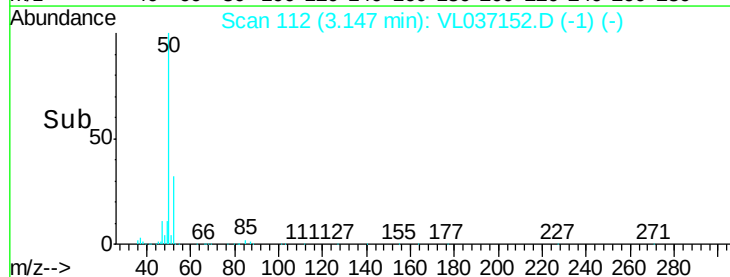
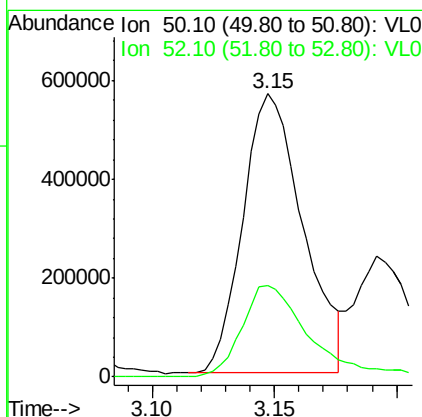
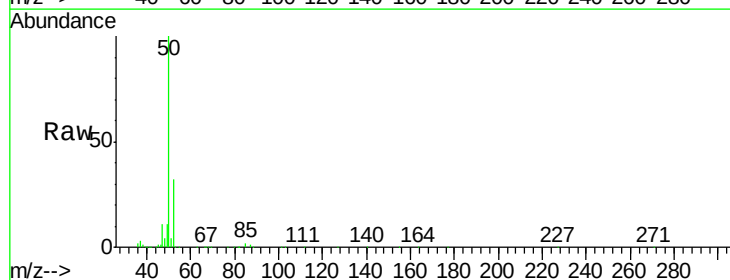
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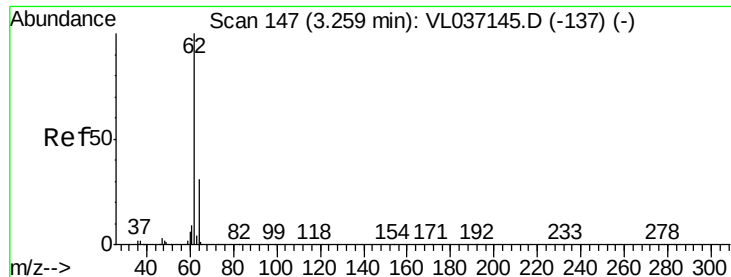
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#4
Chloromethane
Concen: 9.631 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 50 Resp: 967510
Ion Ratio Lower Upper
50 100
52 32.4 27.4 41.2





#5

Vinyl Chloride

Concen: 11.093 ppbv

RT: 3.27 min Scan# 149

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 62 Resp: 1078066

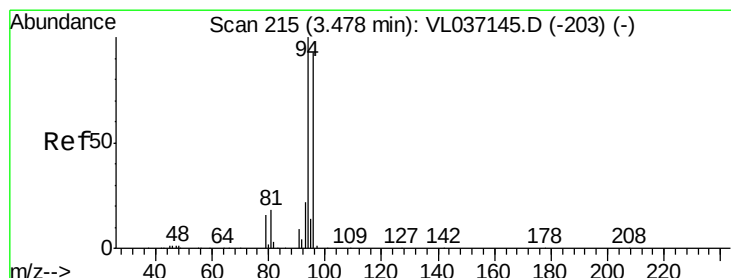
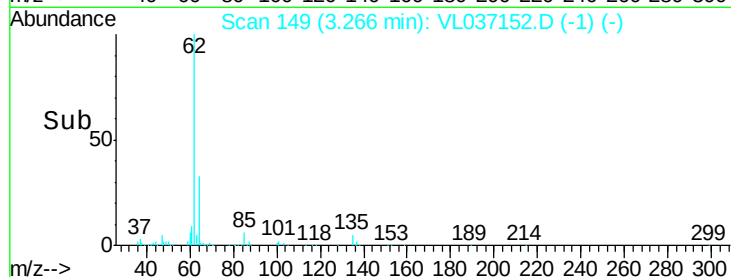
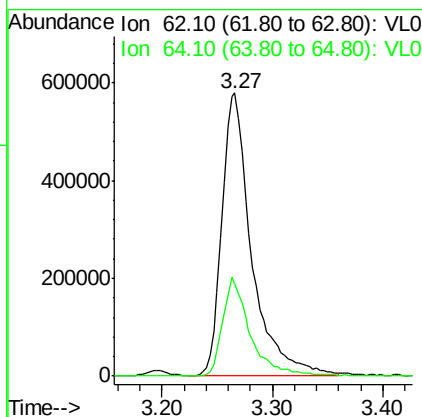
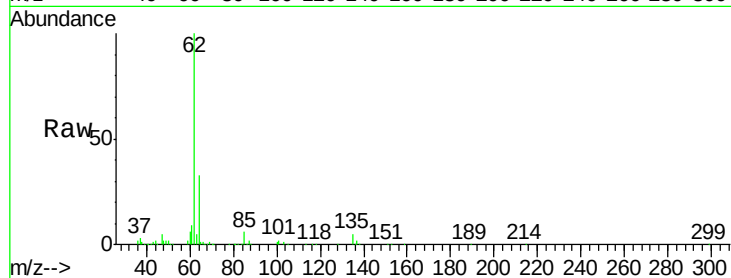
Ion Ratio Lower Upper

62 100

64 32.8 25.2 37.8

Manual Integrations
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#6

Bromomethane

Concen: 10.237 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.00 min

Lab File: VL037152.D

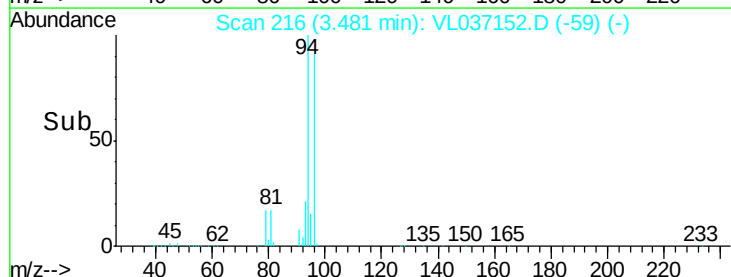
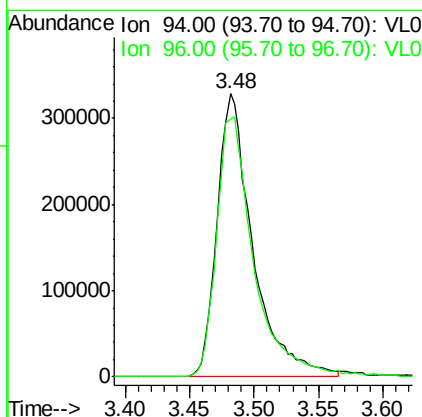
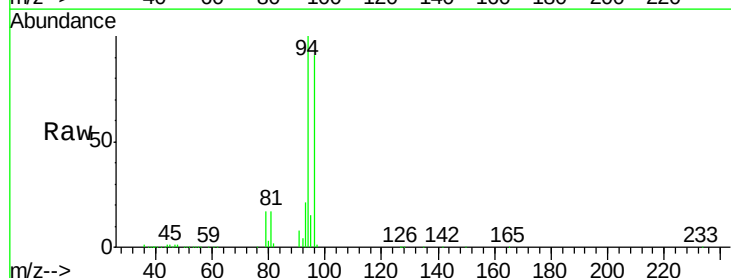
Acq: 14 Jun 2021 17:09

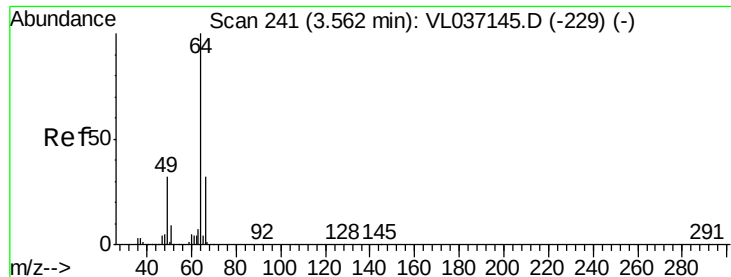
Tgt Ion: 94 Resp: 632884

Ion Ratio Lower Upper

94 100

96 90.9 74.2 111.2





#7

Chloroethane

Concen: 9.720 ppbv

RT: 3.57 min Scan# 242

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 64 Resp: 368617

Ion Ratio Lower Upper

64 100

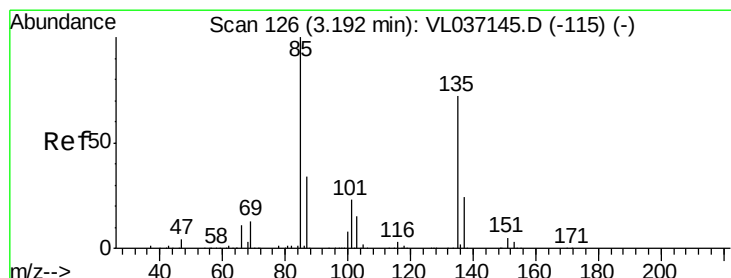
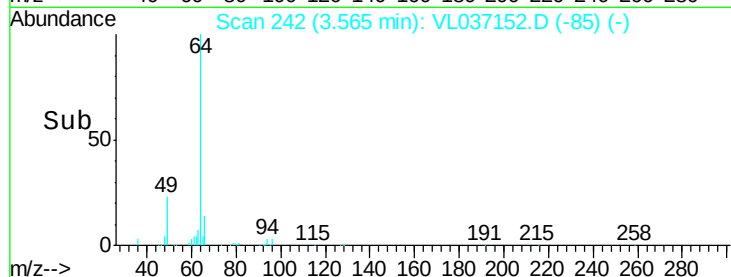
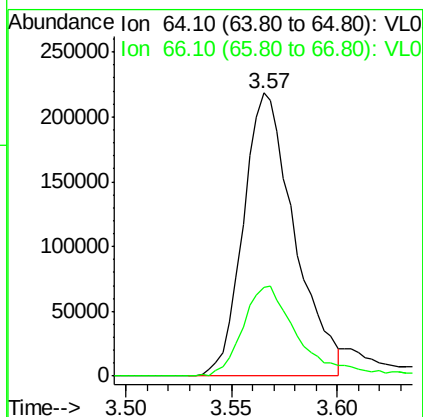
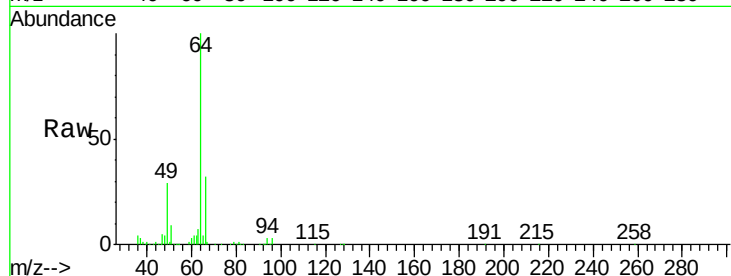
66 31.6 25.3 37.9

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.487 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.00 min

Lab File: VL037152.D

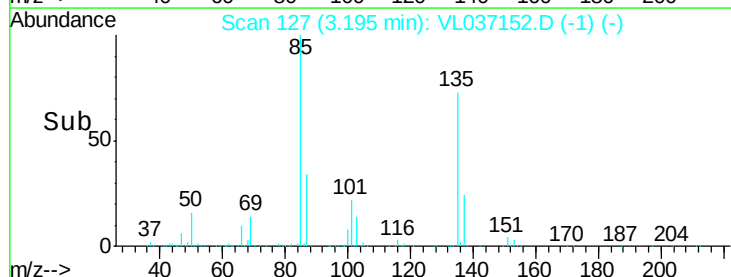
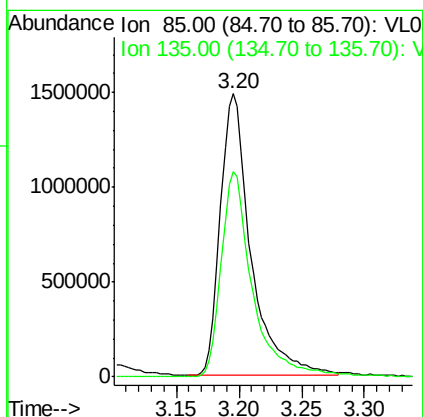
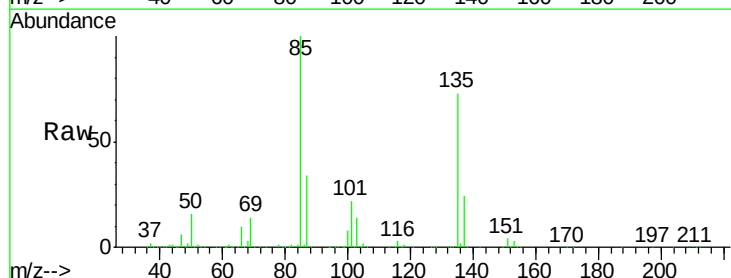
Acq: 14 Jun 2021 17:09

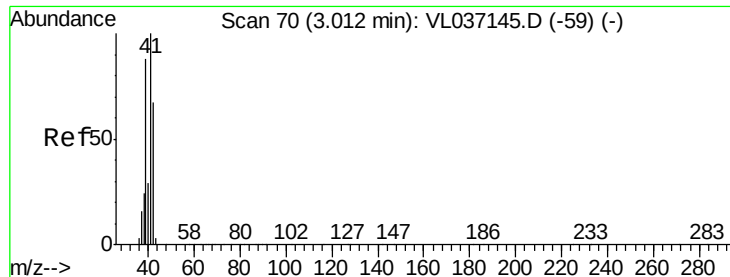
Tgt Ion: 85 Resp: 2537169

Ion Ratio Lower Upper

85 100

135 75.2 60.3 90.5





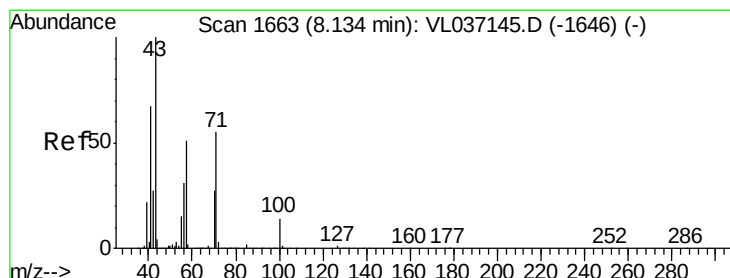
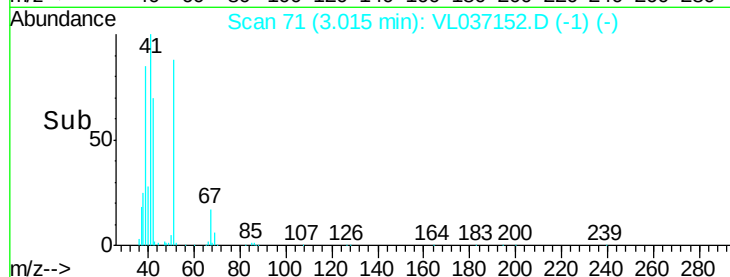
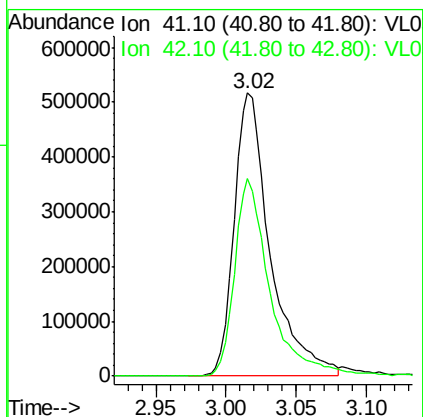
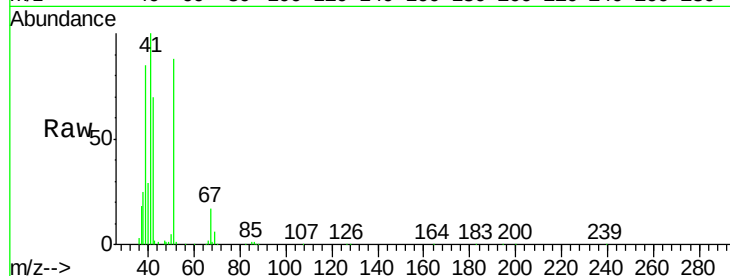
#9
 Propene
 Concen: 9.525 ppbv
 RT: 3.02 min Scan# 71
 Delta R.T. 0.00 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Tot Ion	Ratio	Lower	Upper
41	100		
42	69.1	53.8	80.8

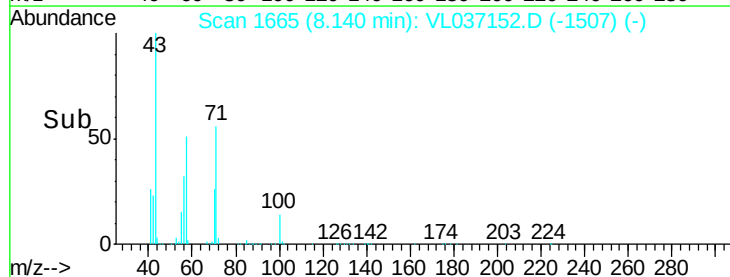
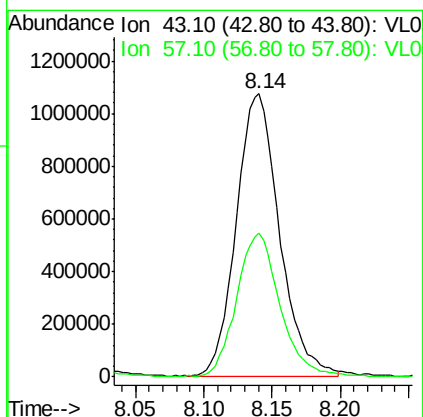
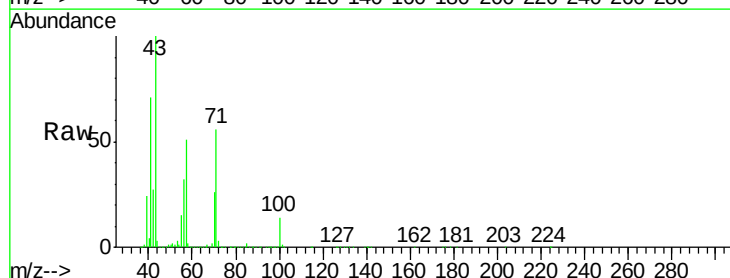
Manual Integrations
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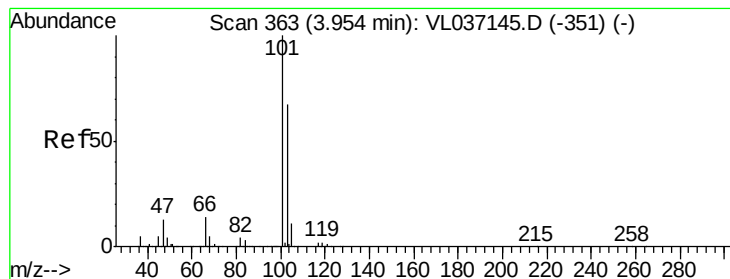
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#10
 Heptane
 Concen: 10.142 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion	Ratio	Lower	Upper
43	100		
57	51.1	40.5	60.7





#11

Trichlorofluoromethane

Concen: 9.903 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion:101 Resp: 2812233

Ion Ratio Lower Upper

101 100

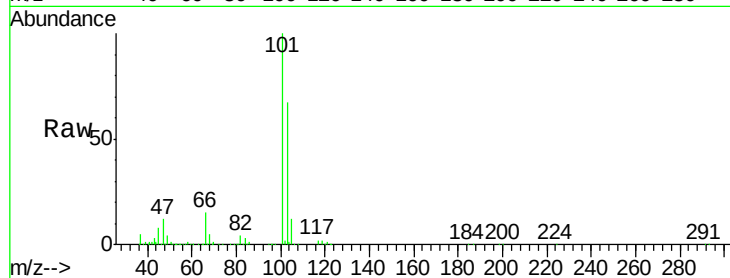
103 66.6 53.6 80.4

Manual Integrations

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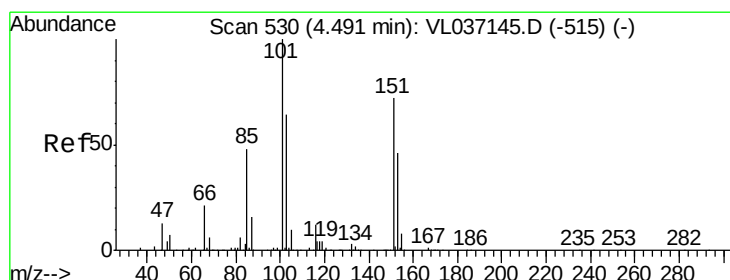
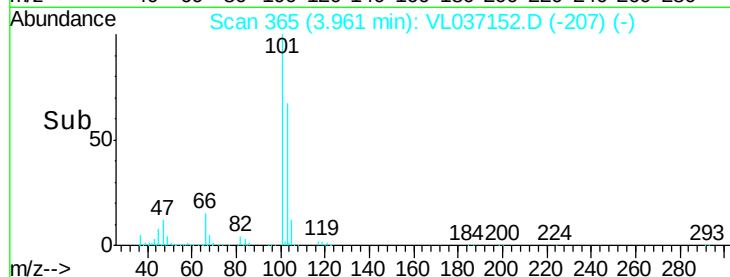
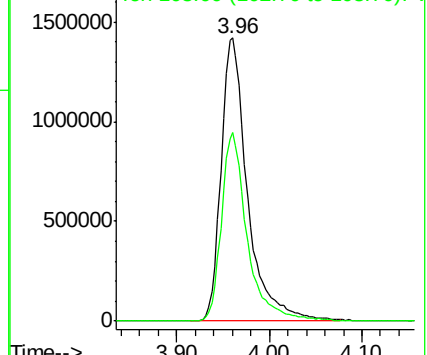
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.025 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL037152.D

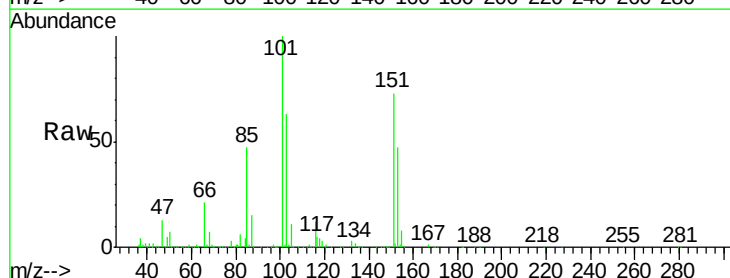
Acq: 14 Jun 2021 17:09

Tgt Ion:101 Resp: 1953126

Ion Ratio Lower Upper

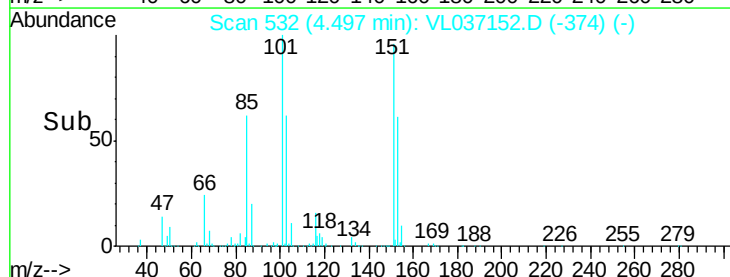
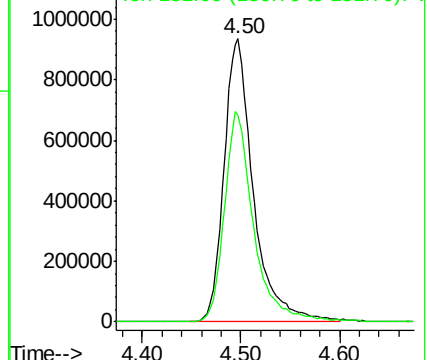
101 100

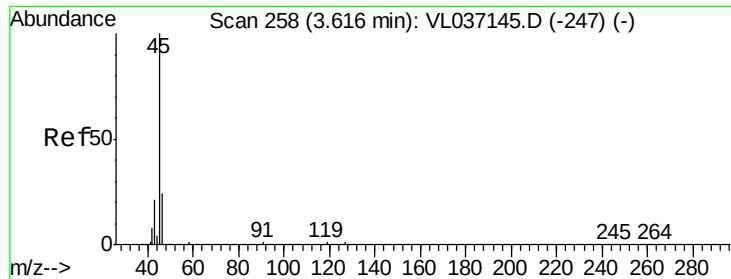
151 74.2 60.5 90.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





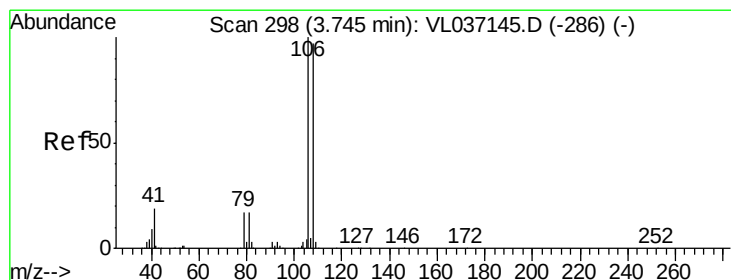
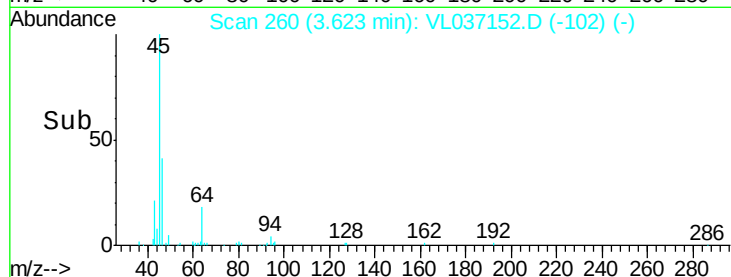
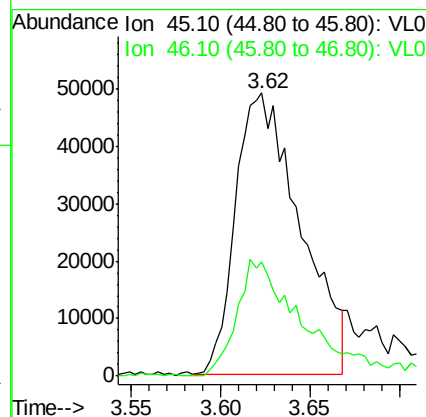
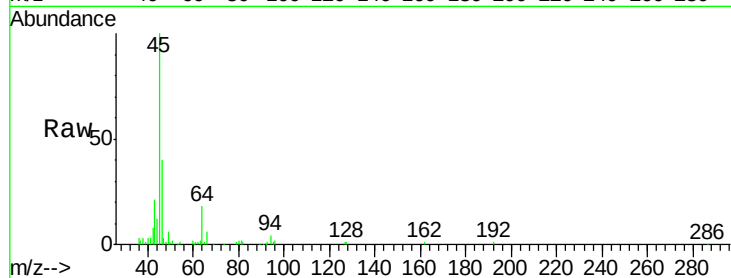
#13
Ethanol
Concen: 9.184 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion	Ratio	Lower	Upper
45	100		
46	43.2	15.4	61.8

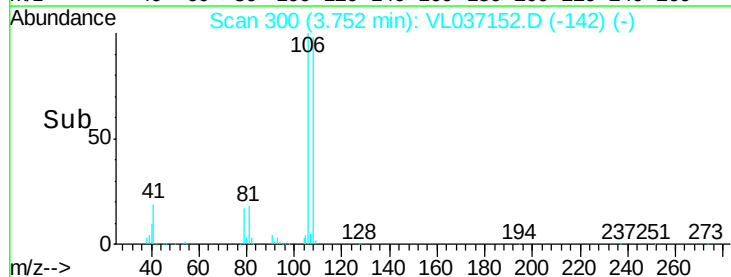
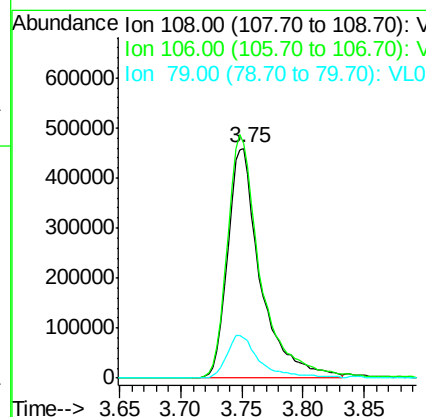
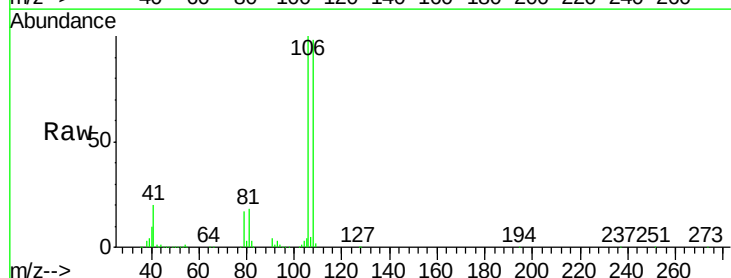
Manual Integrations
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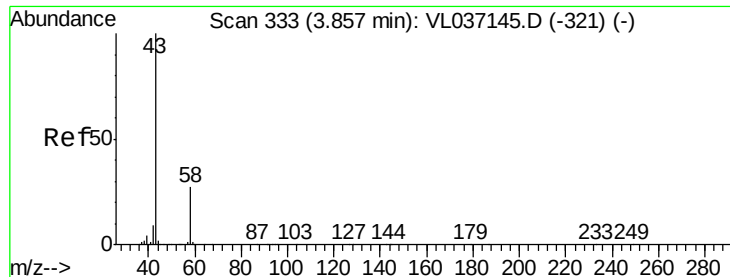
MMDadoda
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#14
Bromoethene
Concen: 10.308 ppbv
RT: 3.75 min Scan# 300
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.7	86.5	129.7
79	19.0	15.4	23.2





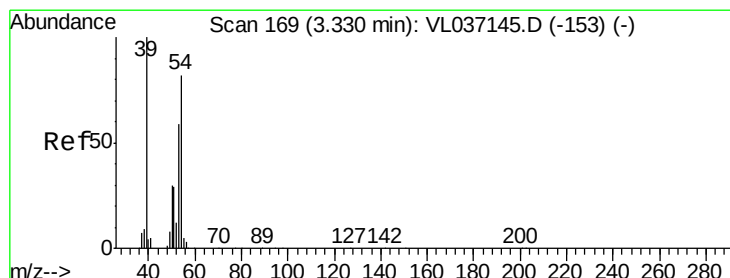
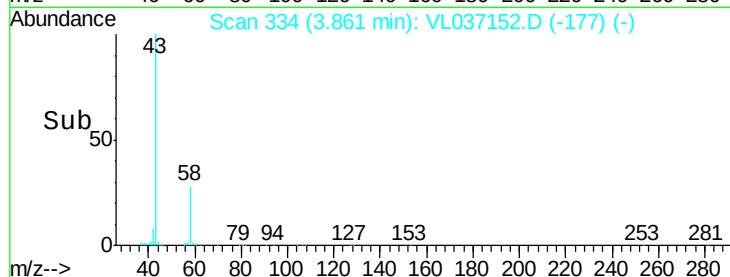
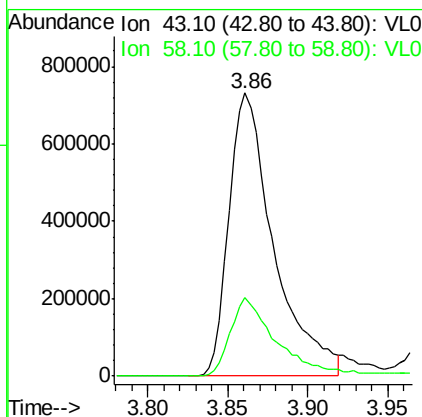
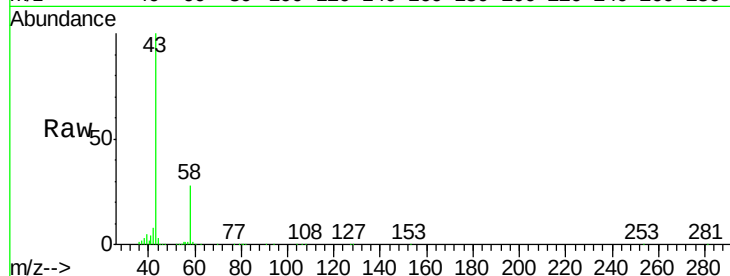
#15
Acetone
Concen: 7.446 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion: 43 Resp: 1400234
Ion Ratio Lower Upper
43 100
58 29.7 23.0 34.6

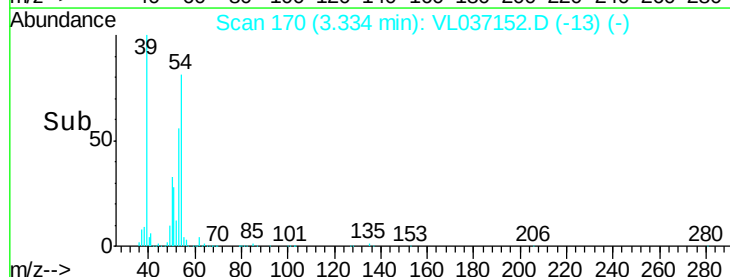
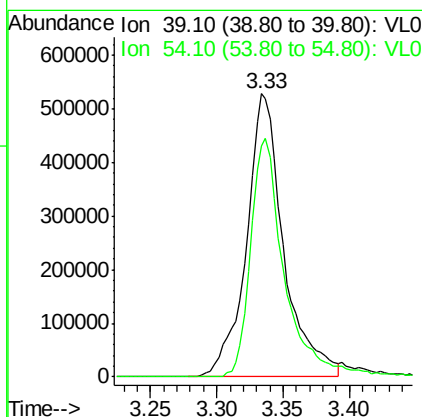
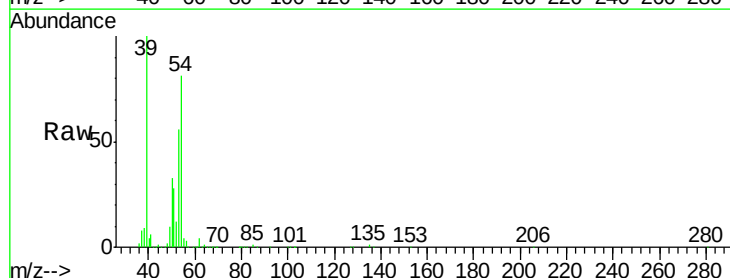
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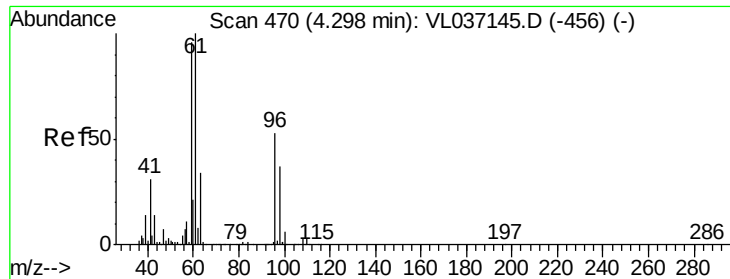
MMDadoda
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#16
1,3-Butadiene
Concen: 10.134 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 39 Resp: 1029018
Ion Ratio Lower Upper
39 100
54 77.8 61.8 92.6





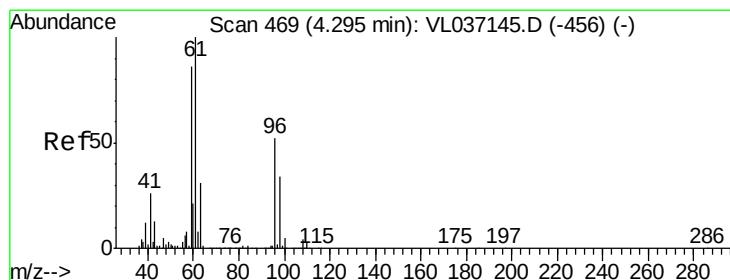
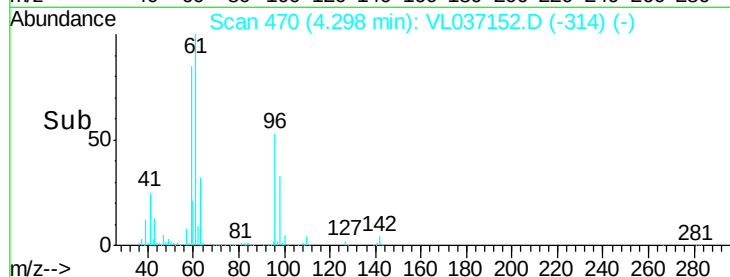
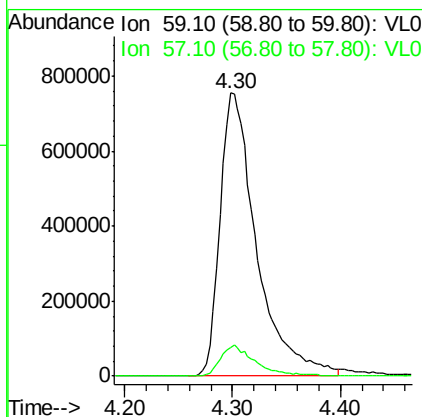
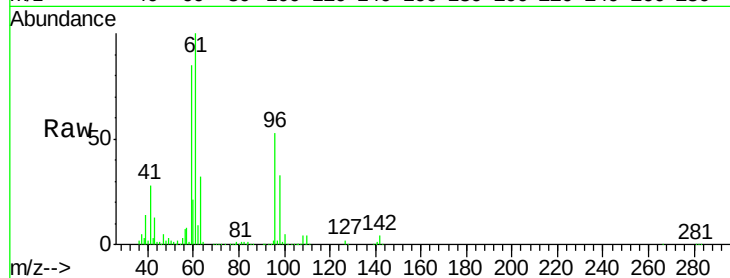
#17
 tert-Butyl alcohol
 Concen: 10.931 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Tot Ion: 59 Resp: 1779135
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.8 13.2

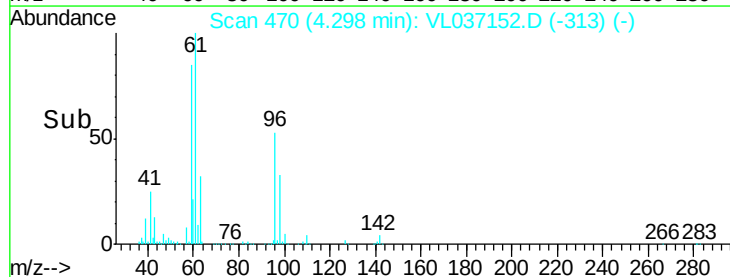
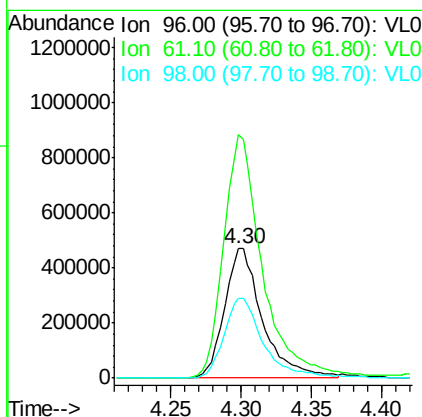
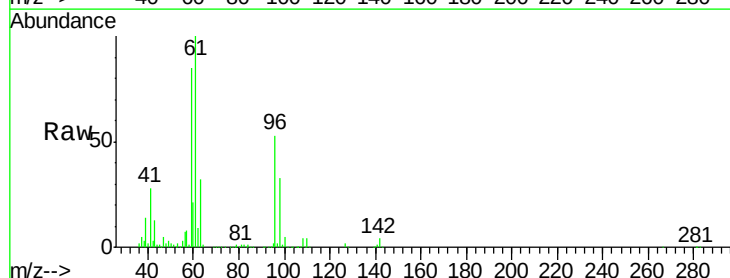
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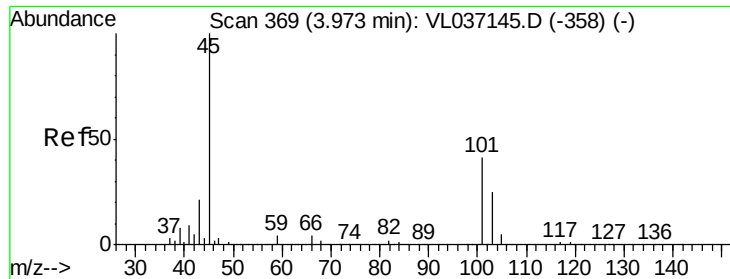
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 10.061 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion: 96 Resp: 884245
 Ion Ratio Lower Upper
 96 100
 61 187.7 154.0 231.0
 98 61.5 52.3 78.5





#19

Isopropyl Alcohol

Concen: 10.424 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 45 Resp: 1075722

Ion Ratio Lower Upper

45 100

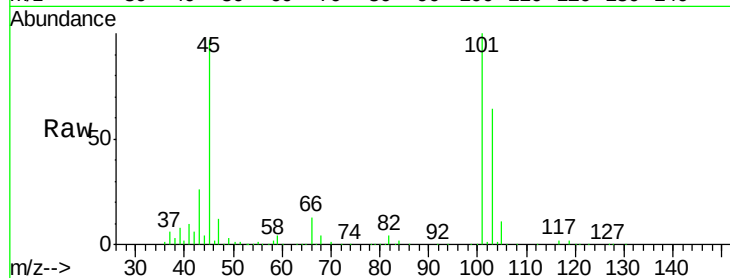
58 2.0 1.4 2.2

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

500000

400000

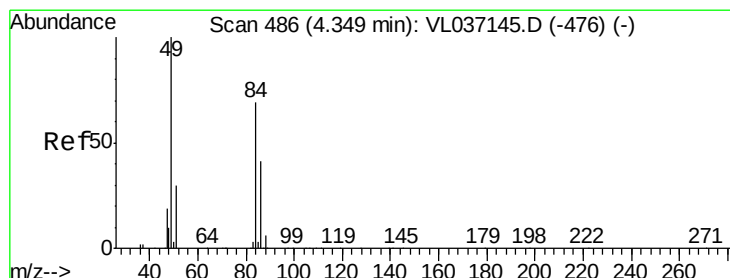
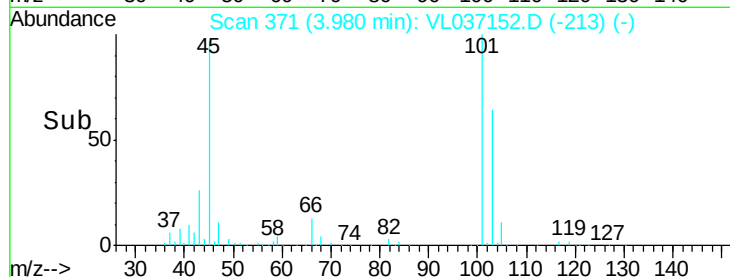
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.825 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 84 Resp: 723298

Ion Ratio Lower Upper

84 100

49 149.8 115.3 172.9

51 46.5 34.2 51.4

86 66.1 47.8 71.6

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

800000

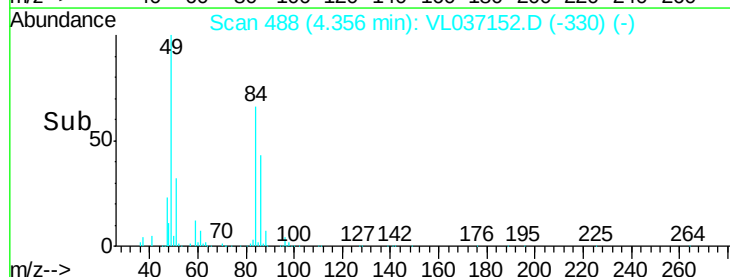
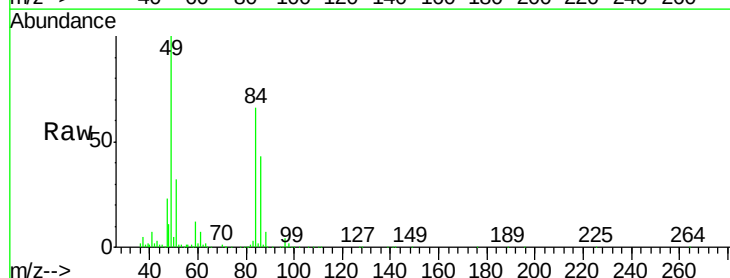
600000

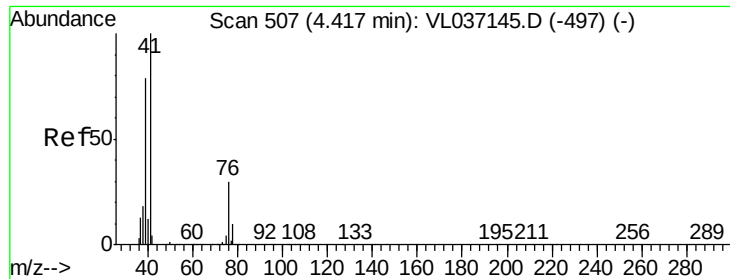
400000

200000

0

Time-->





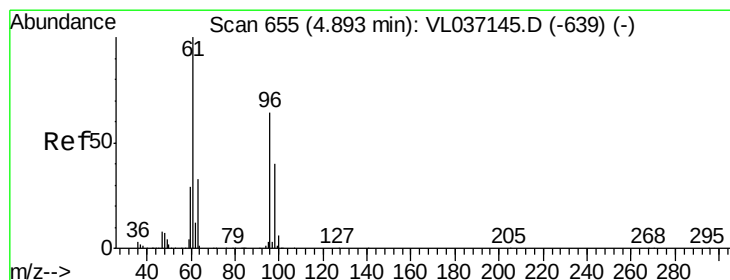
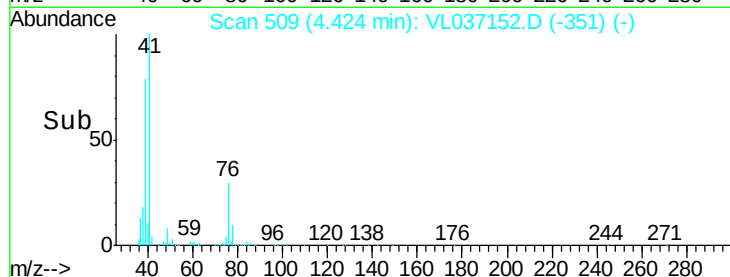
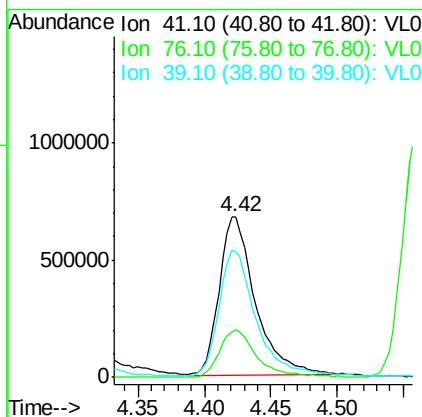
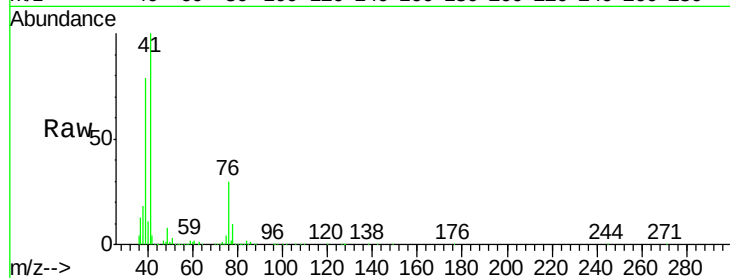
#21
Allvl Chloride
Concen: 10.228 ppbv
RT: 4.42 min Scan# 509
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampled :
ICVVL061421

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.3	25.2	37.8
39	82.0	66.2	99.2

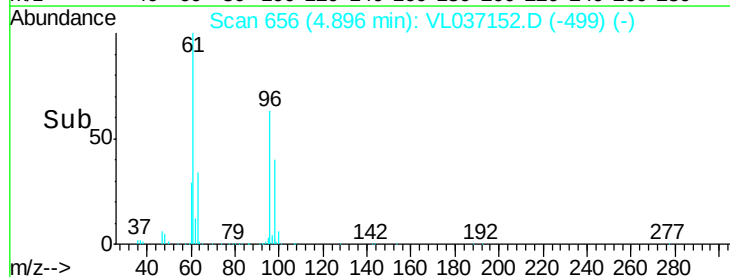
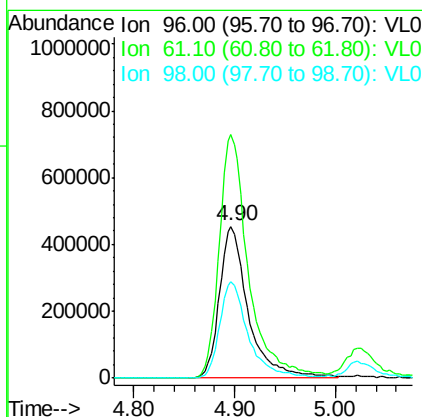
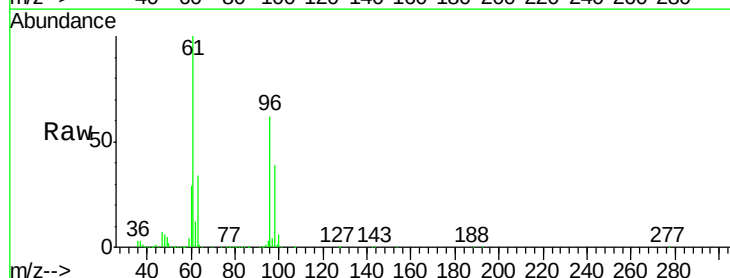
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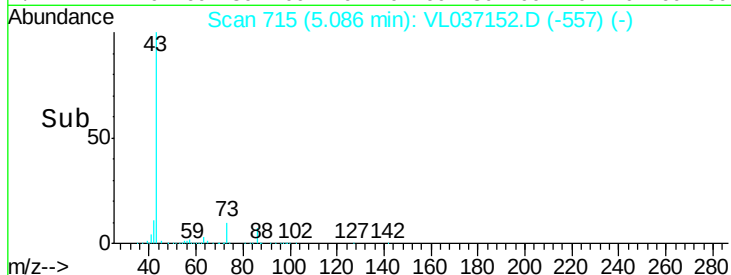
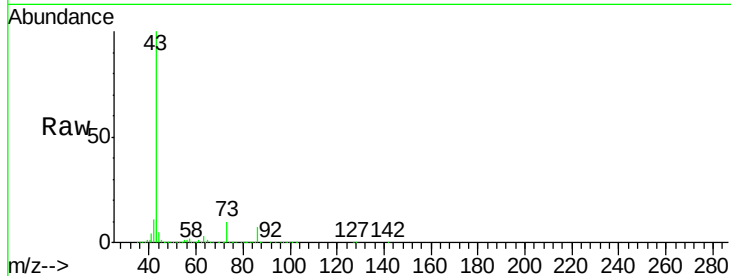
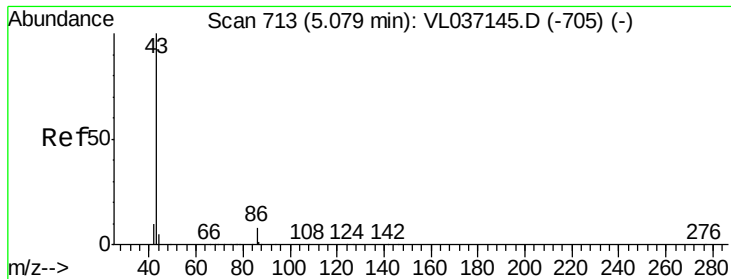
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.606 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	125.3	187.9
98	63.3	50.3	75.5





#23

Vinyl Acetate

Concen: 10.696 ppbv

RT: 5.09 min Scan# 715

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tot Ion: 43 Resp: 2641548

Ion Ratio Lower Upper

43 100

86 7.3 5.4 8.2

42 10.8 8.6 12.8

44 4.7 3.8 5.6

Instrument :

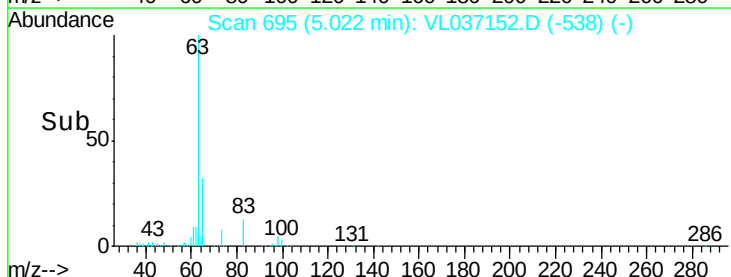
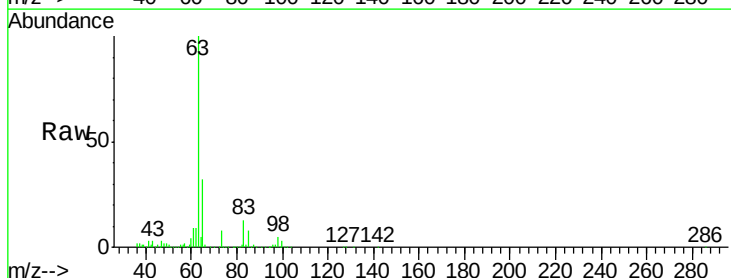
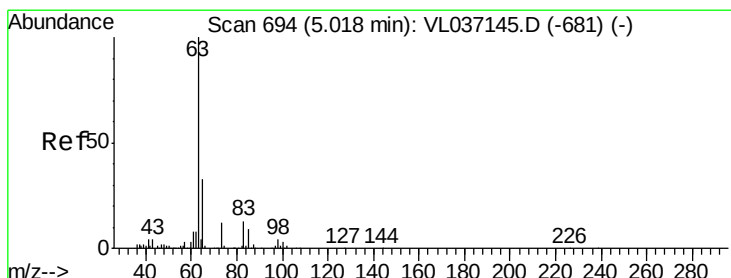
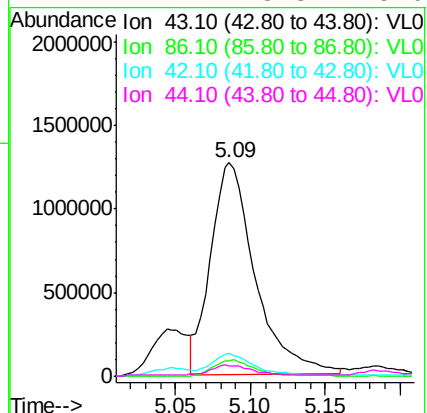
MSVOA_L

ClientSampleId :

ICVVL061421

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 10.359 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

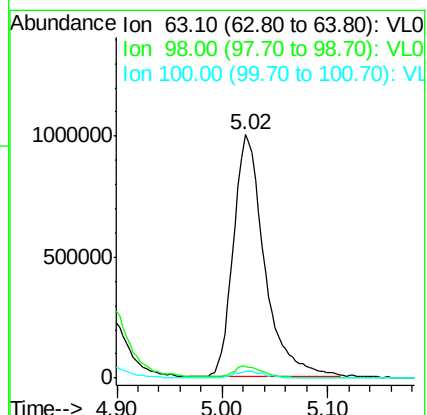
Tgt Ion: 63 Resp: 2053113

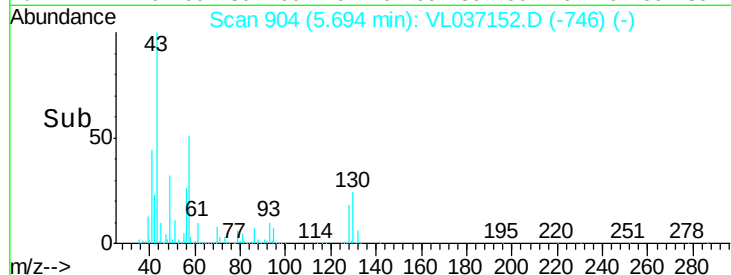
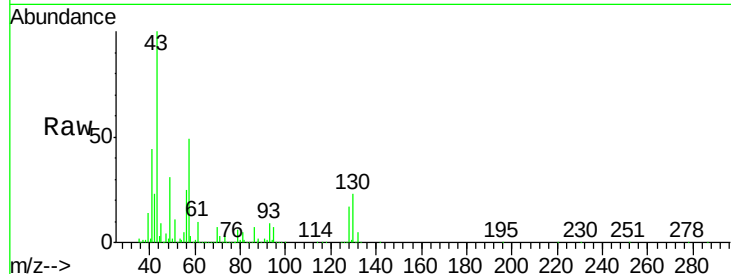
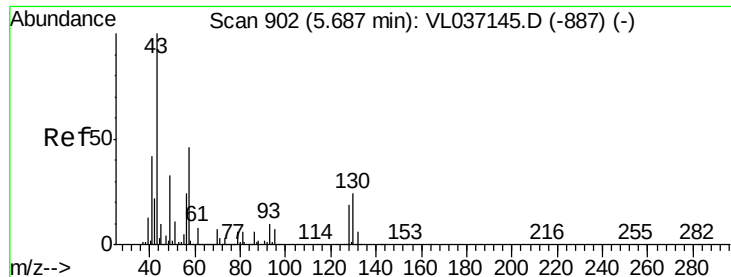
Ion Ratio Lower Upper

63 100

98 5.1 2.4 7.1

100 2.8 1.6 4.8





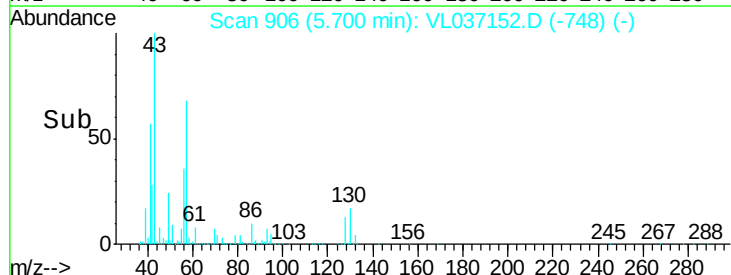
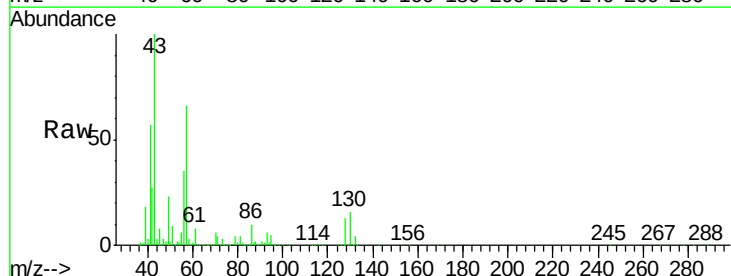
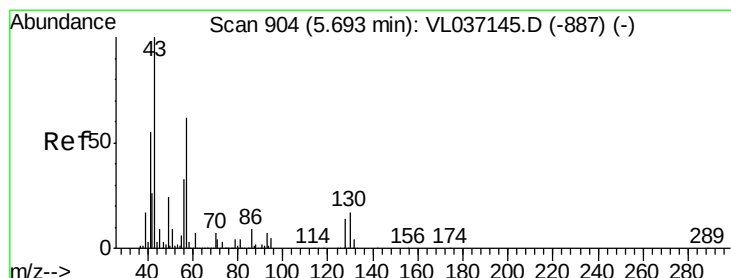
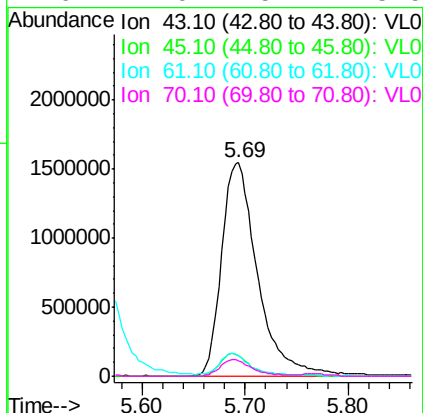
#25
Ethyl Acetate
Concen: 10.123 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tot Ion	43	Resp	3730365
Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.8
61	9.9	7.5	11.3
70	7.0	5.7	8.5

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

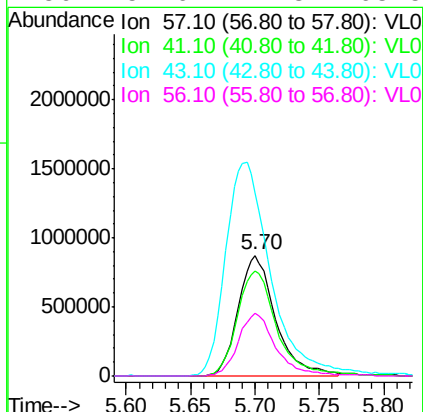
Manual Integrations
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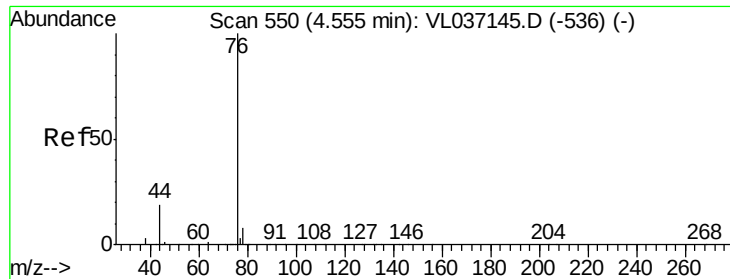
MMDadoda
6/15/2021 5:17:15 PM



#26
Hexane
Concen: 9.634 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion	57	Resp	1765501
Ion	Ratio	Lower	Upper
57	100		
41	92.9	73.6	110.4
43	214.0	168.8	253.2
56	52.6	42.3	63.5





#27

Carbon Disulfide

Concen: 11.251 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 76 Resp: 2090472

Ion Ratio Lower Upper

76 100

44 19.0 15.6 23.4

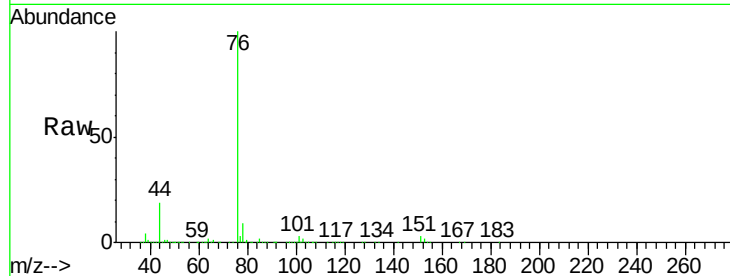
78 10.0 7.6 11.4

Manual Integrations

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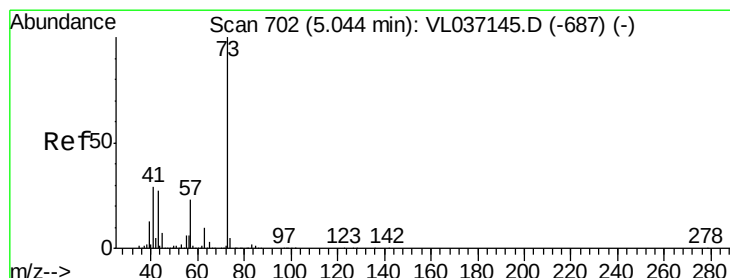
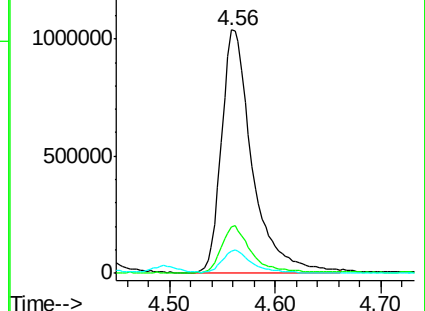
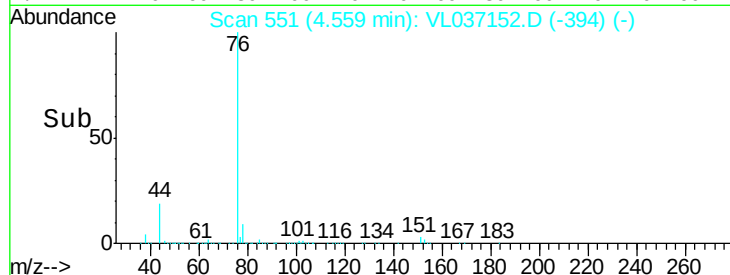
6/15/2021 5:17:15 PM



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: 10.274 ppbv

RT: 5.05 min Scan# 703

Delta R.T. 0.00 min

Lab File: VL037152.D

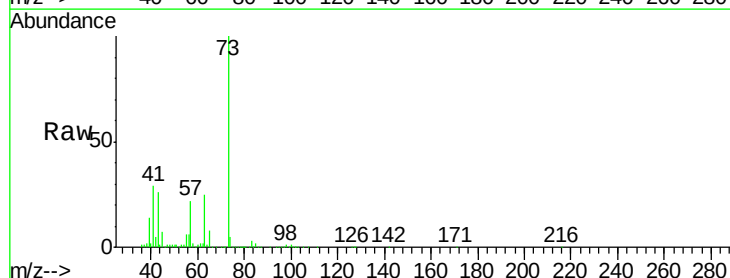
Acq: 14 Jun 2021 17:09

Tgt Ion: 73 Resp: 2358243

Ion Ratio Lower Upper

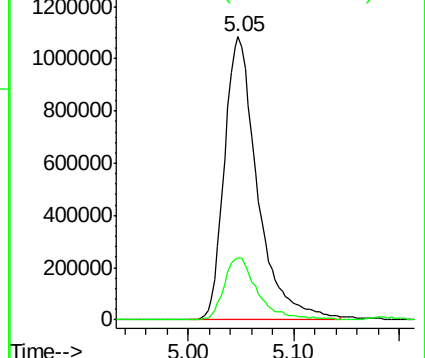
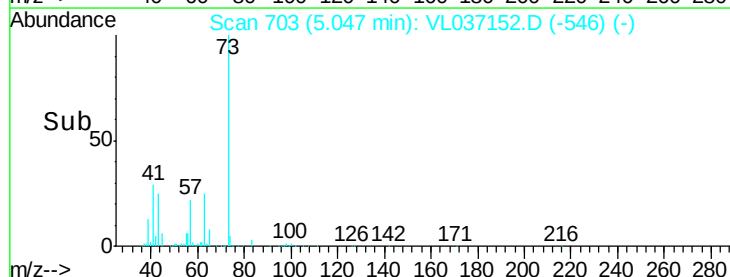
73 100

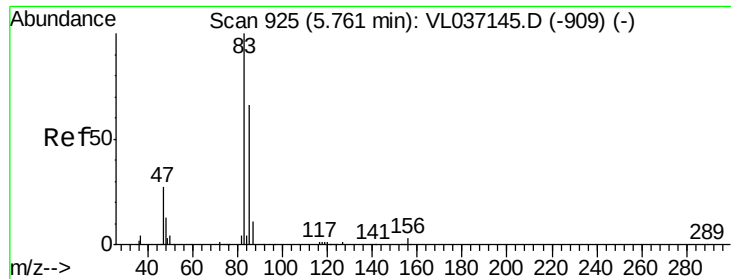
57 22.4 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





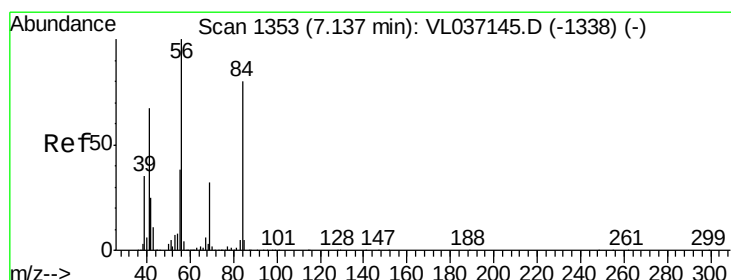
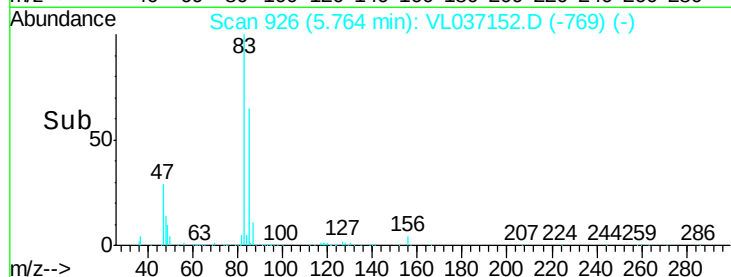
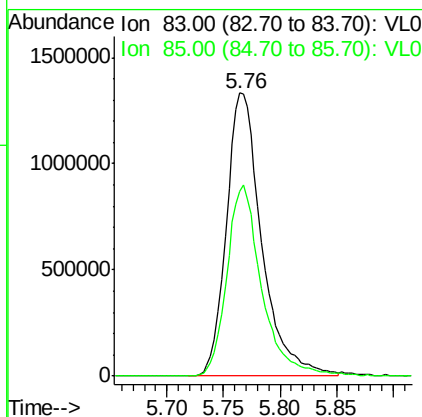
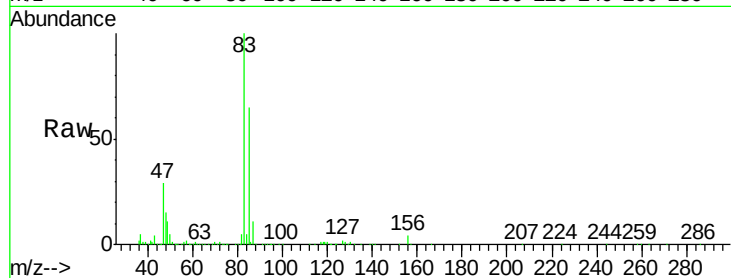
#29
Chloroform
Concen: 9.808 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion: 83 Resp: 2901768
Ion Ratio Lower Upper
83 100
85 65.3 52.6 78.8

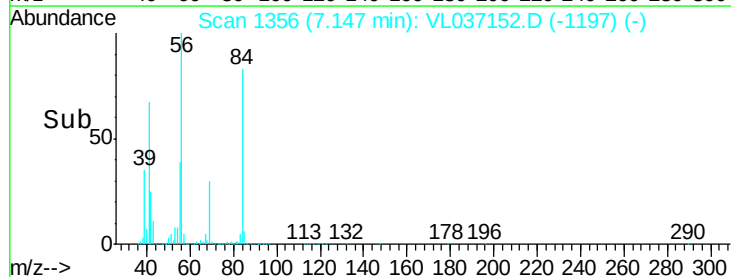
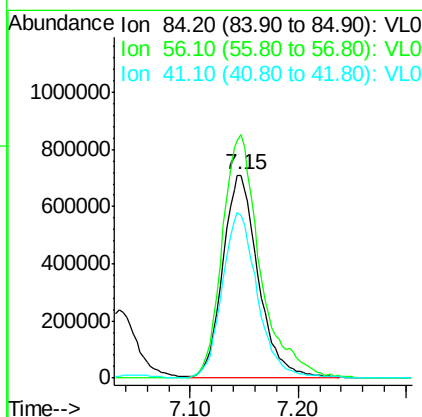
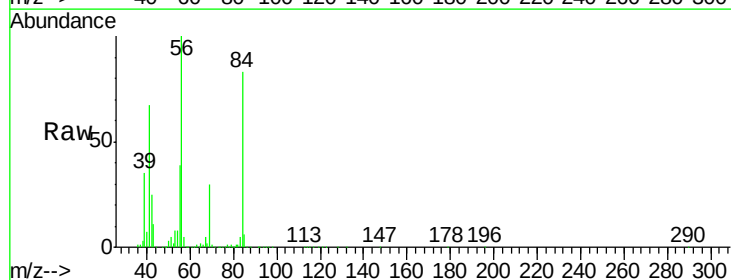
Manual Integrations
APPROVED

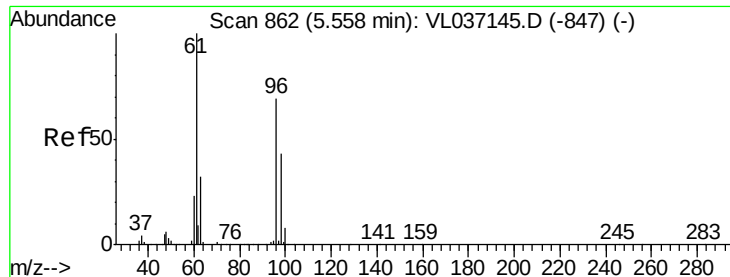
MMDadoda
6/15/2021 5:17:15 PM



#30
Cyclohexane
Concen: 10.072 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 84 Resp: 1609243
Ion Ratio Lower Upper
84 100
56 129.7 103.9 155.9
41 81.6 66.5 99.7





#31

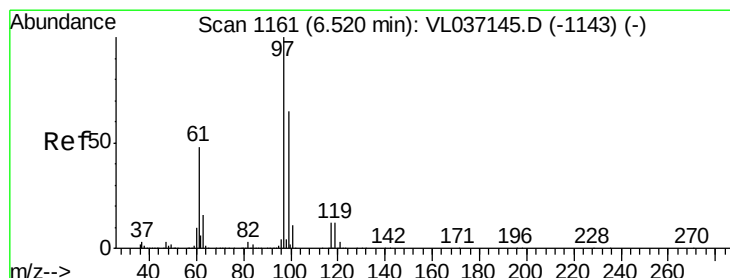
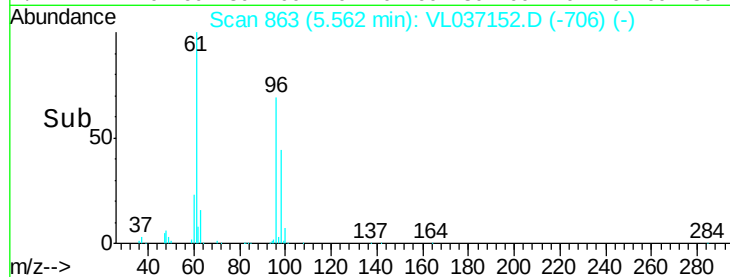
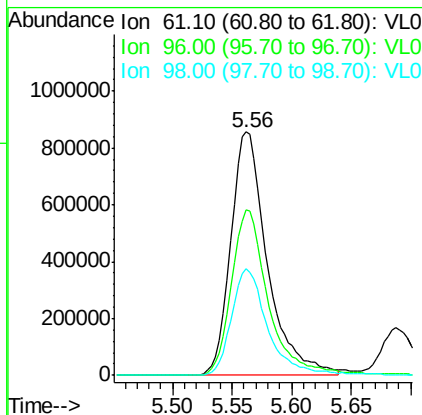
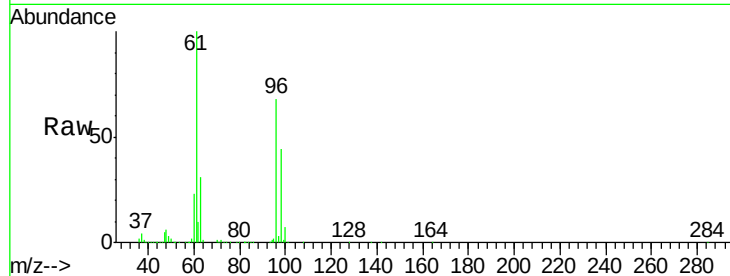
cis-1,2-Dichloroethene
Concen: 10.309 ppbv
RT: 5.56 min Scan# 863
Delta R.T. 0.00 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.9	55.3	82.9
98	44.1	34.7	52.1

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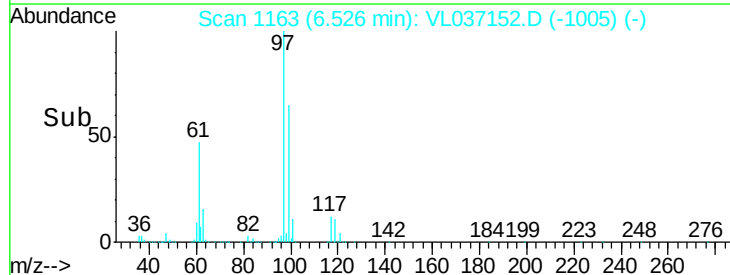
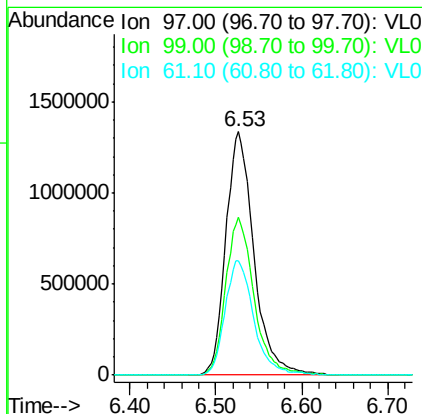
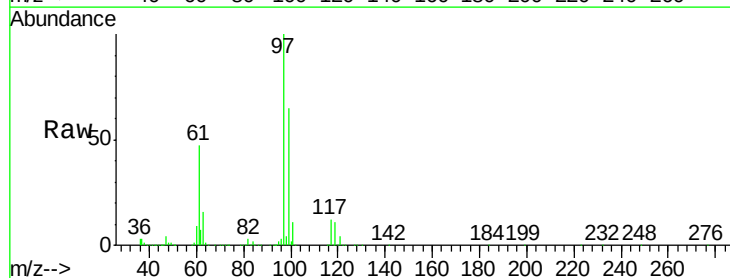
MMDadoda
6/15/2021 5:17:15 PM

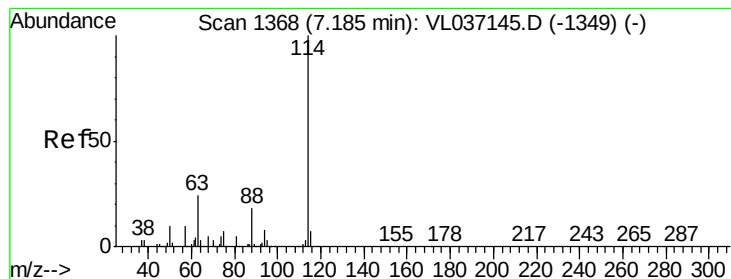


#32

1,1,1-Trichloroethane
Concen: 11.144 ppbv
RT: 6.53 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.4	78.6
61	48.0	38.5	57.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion:114 Resp: 4647800

Ion Ratio Lower Upper

114 100

63 24.5 19.8 29.6

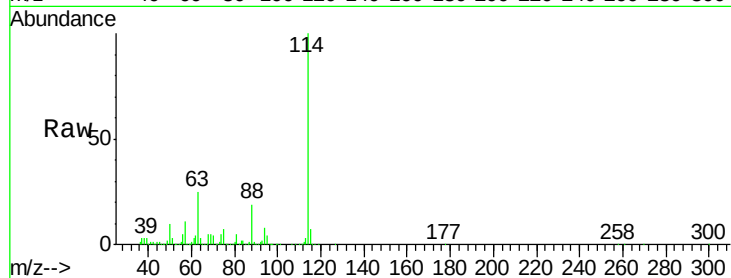
88 18.1 14.3 21.5

Manual Integrations

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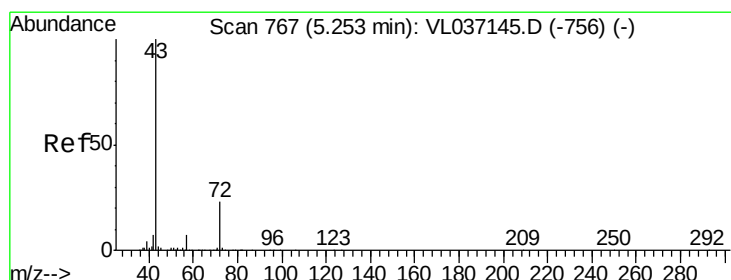
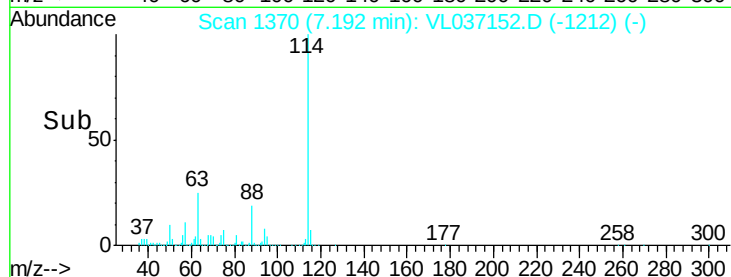
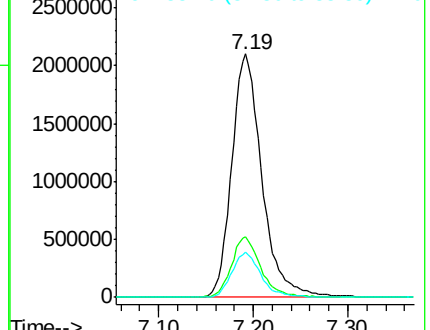
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.161 ppbv

RT: 5.26 min Scan# 769

Delta R.T. 0.01 min

Lab File: VL037152.D

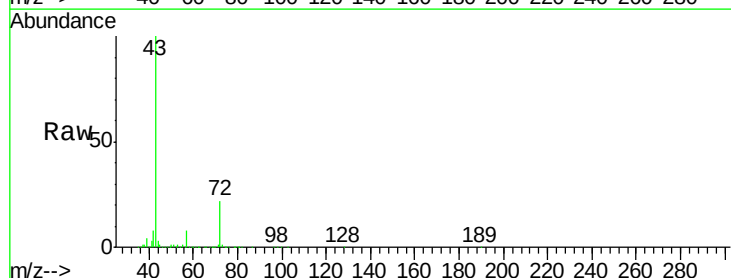
Acq: 14 Jun 2021 17:09

Tgt Ion: 43 Resp: 1773595

Ion Ratio Lower Upper

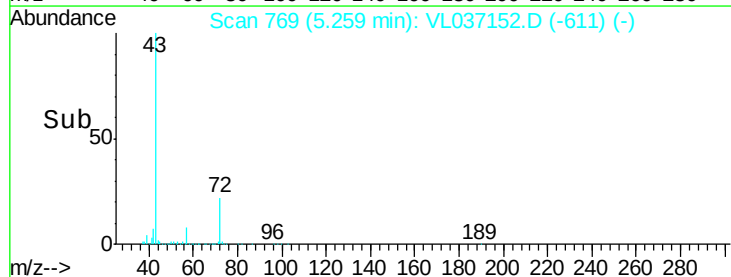
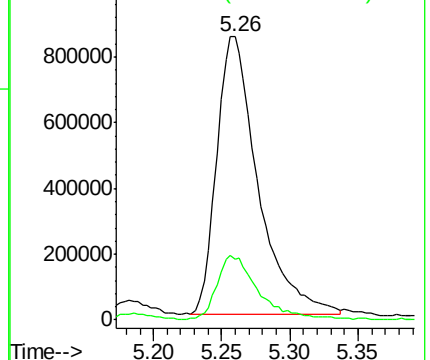
43 100

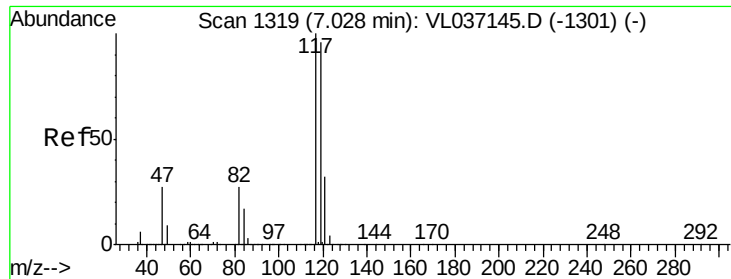
72 23.6 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 11.405 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion:117 Resp: 3258504

Ion Ratio Lower Upper

117 100

119 95.9 77.0 115.4

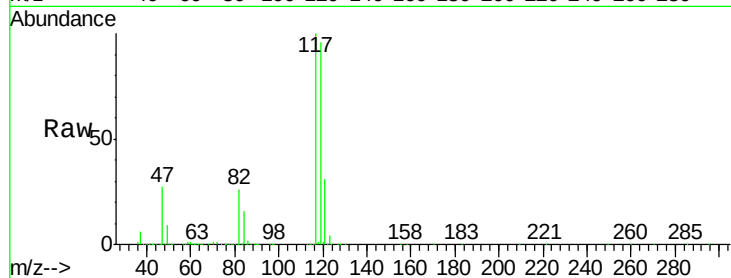
121 31.3 25.4 38.0

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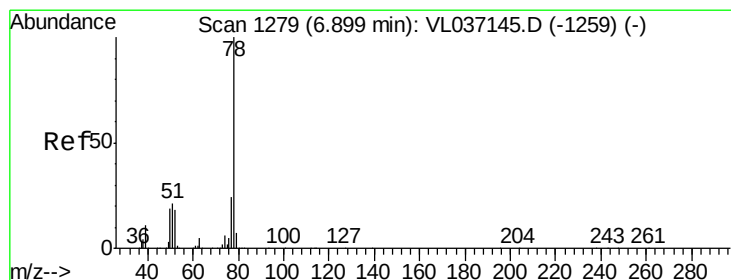
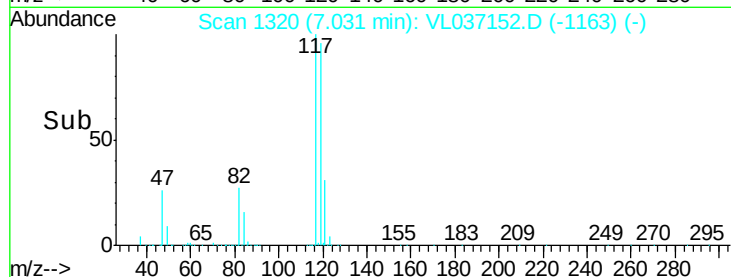
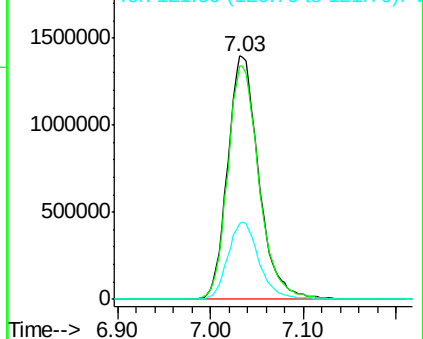
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.042 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

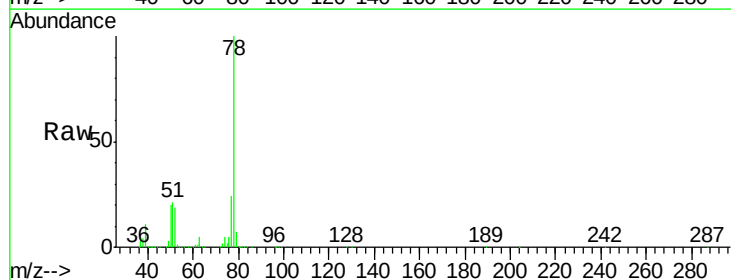
Tgt Ion: 78 Resp: 3703746

Ion Ratio Lower Upper

78 100

77 24.2 19.5 29.3

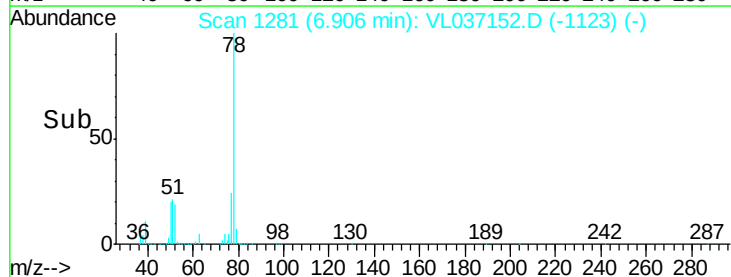
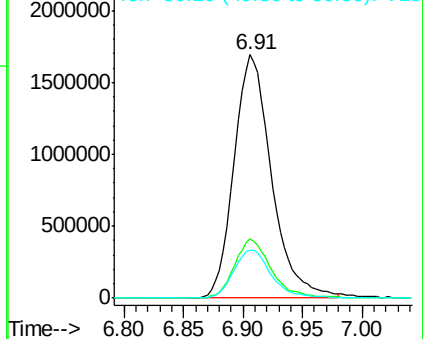
50 19.5 15.5 23.3

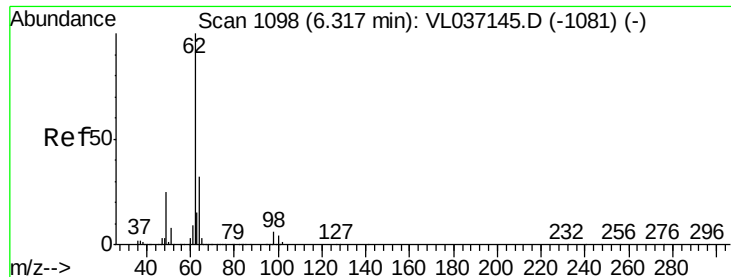


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.285 ppbv

RT: 6.32 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 62 Resp: 2202693

Ion Ratio Lower Upper

62 100

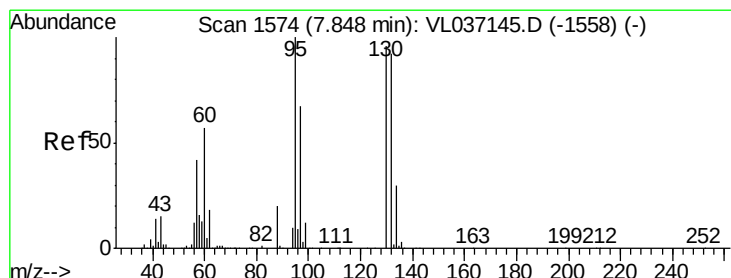
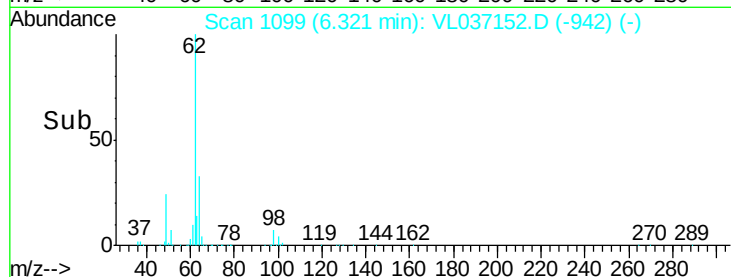
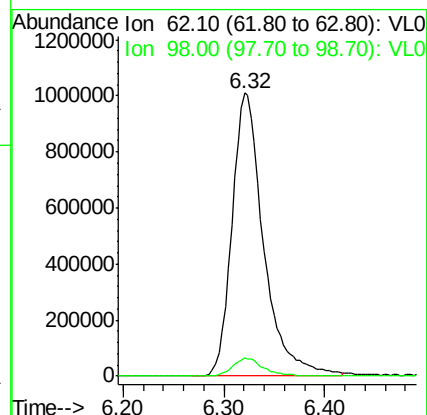
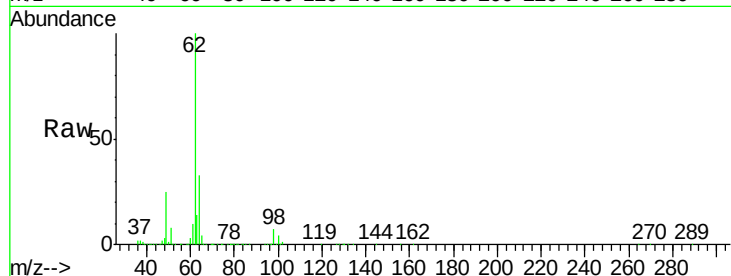
98 6.5 5.1 7.7

Manual Integrations

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#38

Trichloroethene

Concen: 10.100 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion:130 Resp: 1609587

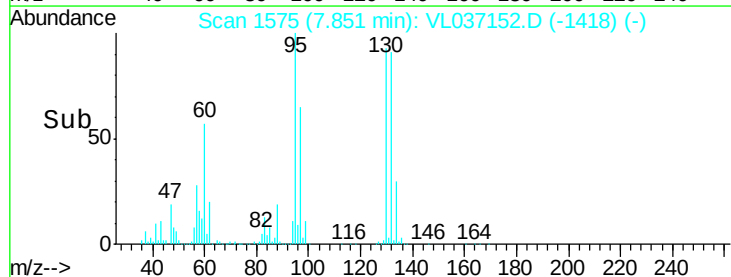
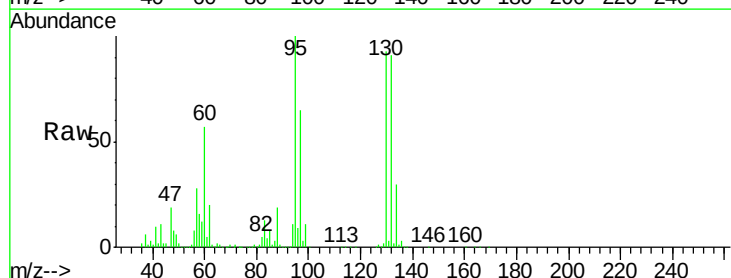
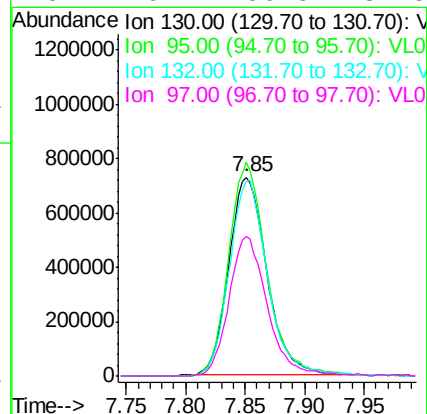
Ion Ratio Lower Upper

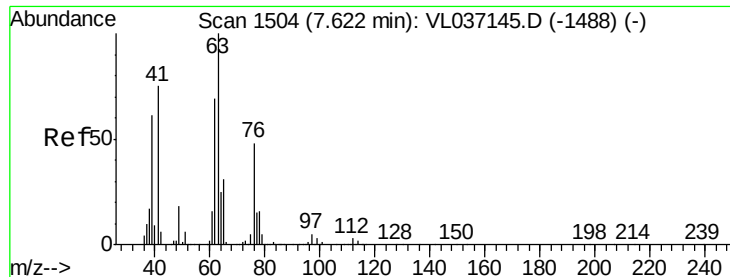
130 100

95 108.0 83.5 125.3

132 98.4 76.8 115.2

97 70.7 56.3 84.5





#39

1,2-Dichloropropane

Concen: 10.198 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 63 Resp: 1435928

Ion Ratio Lower Upper

63 100

41 75.7 60.0 90.0

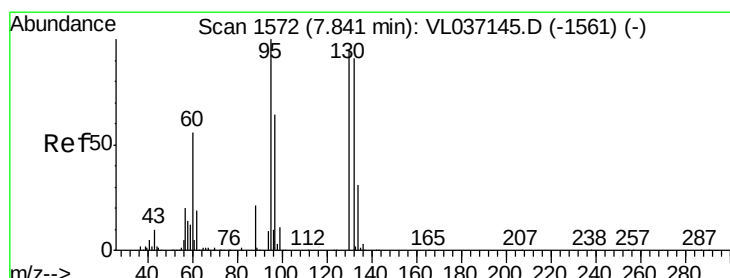
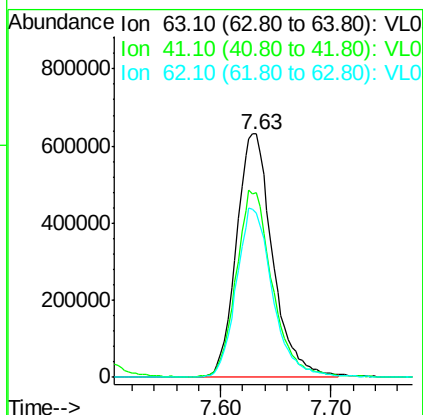
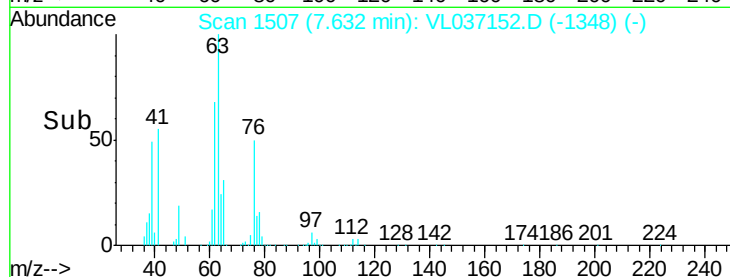
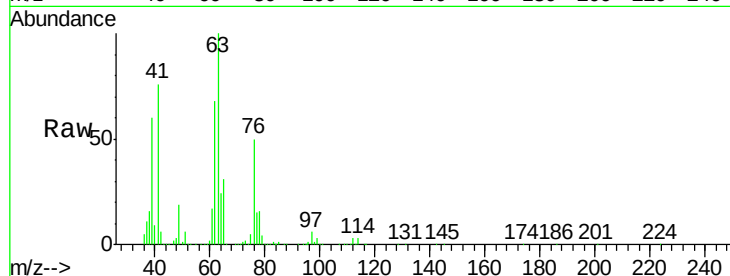
62 67.6 55.4 83.0

Manual Integrations

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#40

1,4-Dioxane

Concen: 10.184 ppbv m

RT: 7.85 min Scan# 1574

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 88 Resp: 401550

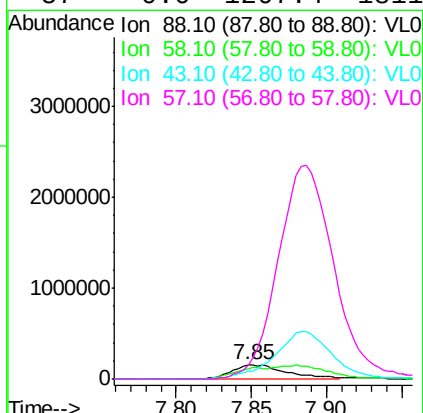
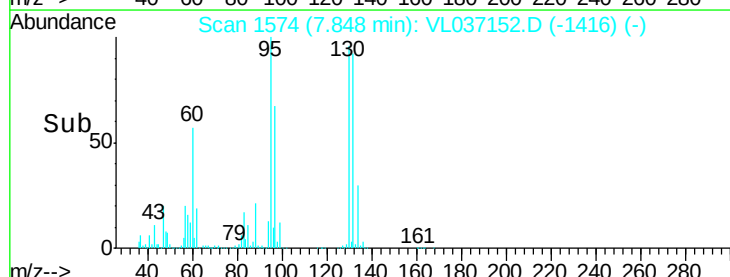
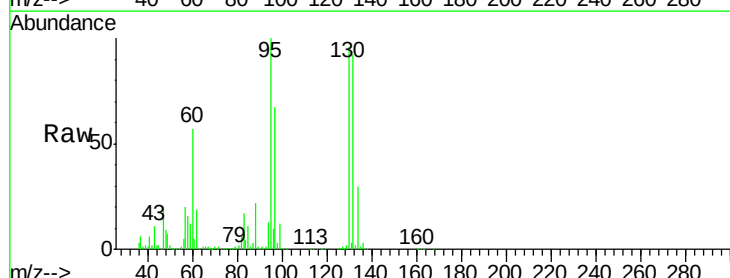
Ion Ratio Lower Upper

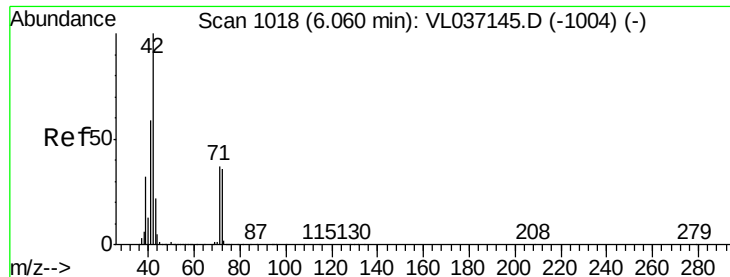
88 100

58 0.0 115.6 173.4#

43 0.0 278.3 417.5#

57 0.0 1207.4 1811.0#





#41

Tetrahydrofuran

Concen: 10.482 ppbv

RT: 6.06 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

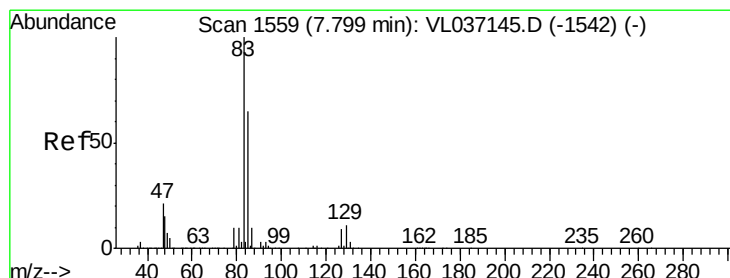
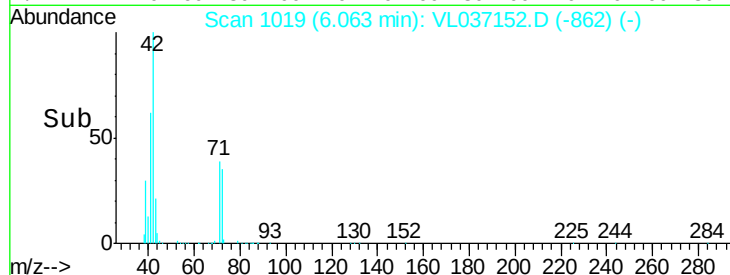
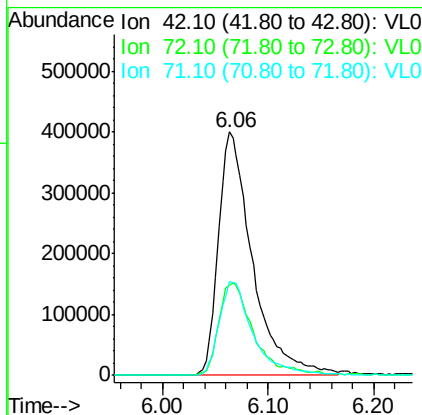
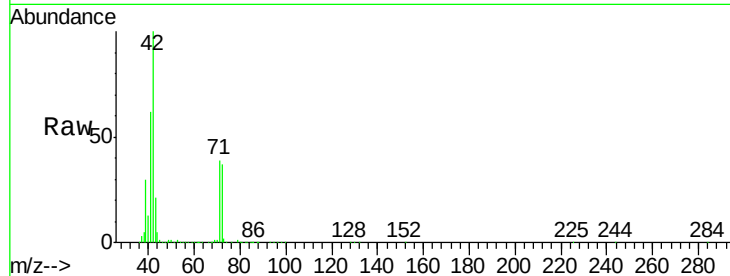
ClientSampleId :

ICVVL061421

Tot Ion:	42	Resp:	890476
Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.7	47.5
71	39.0	31.0	46.6

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.725 ppbv

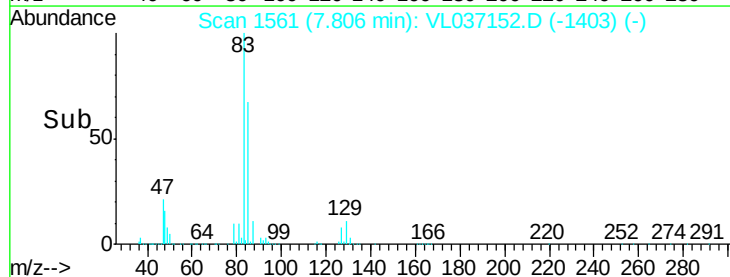
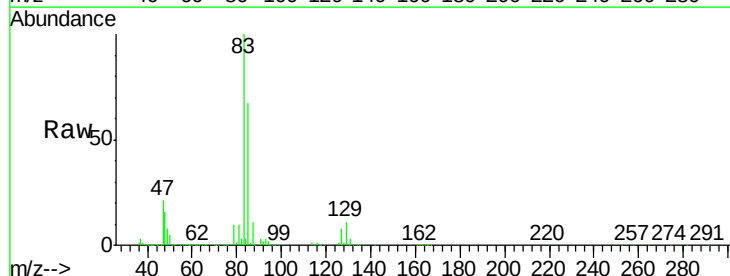
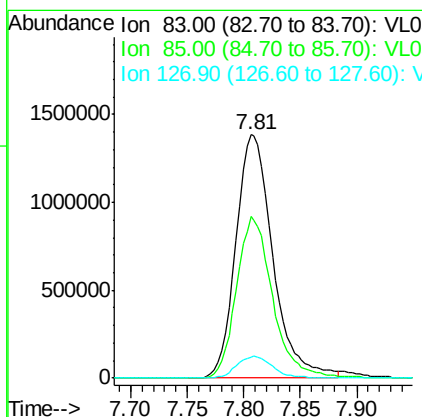
RT: 7.81 min Scan# 1561

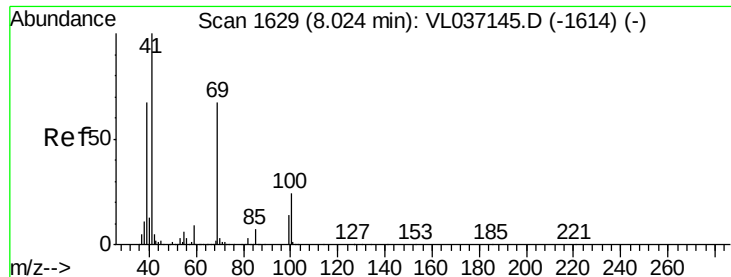
Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion:	83	Resp:	3164440
Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.7	77.5
127	8.4	7.4	11.0





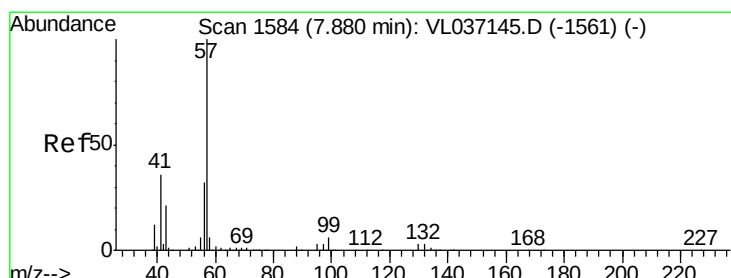
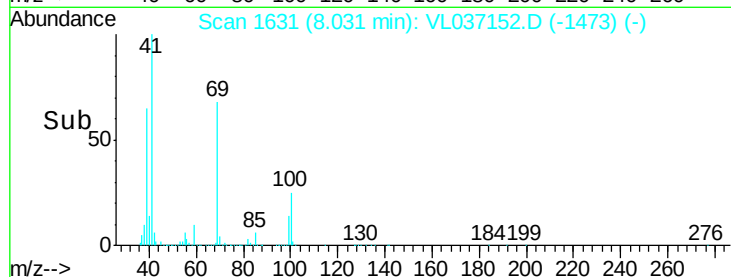
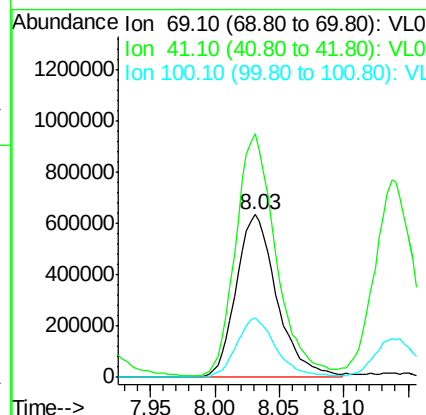
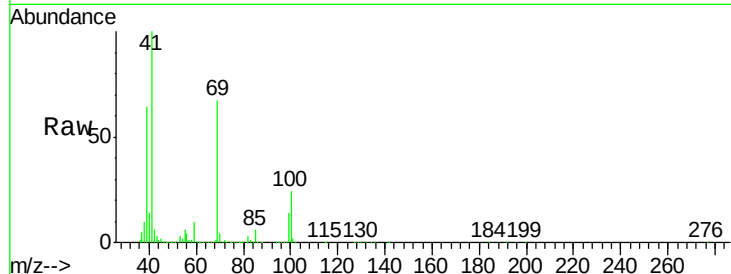
#43
Methyl Methacrylate
Concen: 11.000 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion: 69 Resp: 1391775
Ion Ratio Lower Upper
69 100
41 148.6 117.7 176.5
100 35.5 27.9 41.9

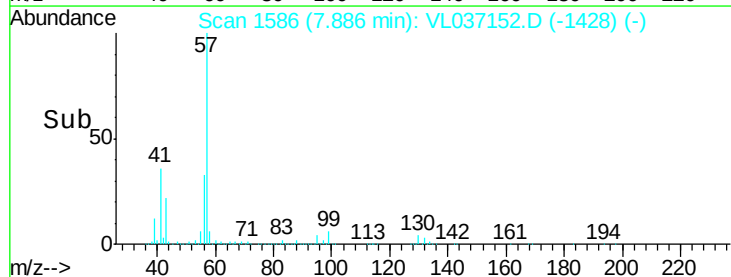
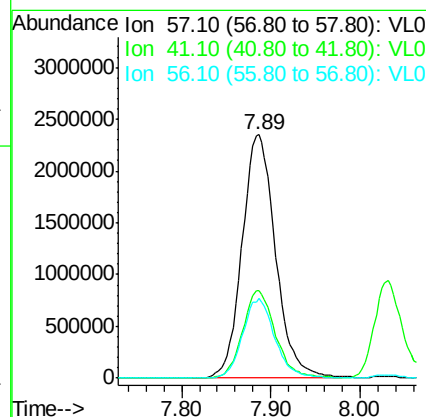
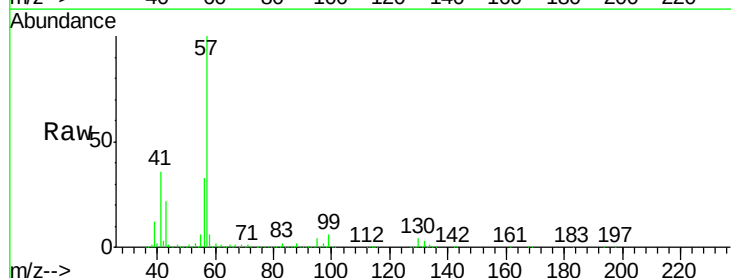
Manual Integrations
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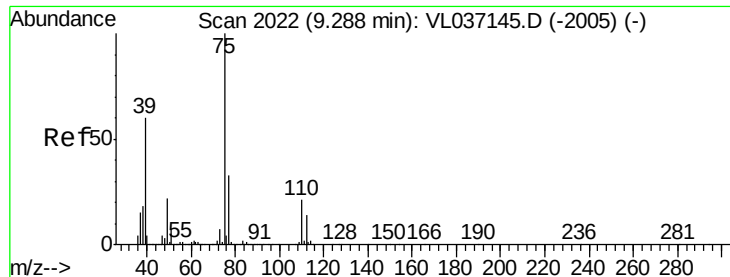
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#44
2,2,4-Trimethylpentane
Concen: 9.900 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 57 Resp: 6111229
Ion Ratio Lower Upper
57 100
41 35.2 28.1 42.1
56 31.4 25.4 38.2





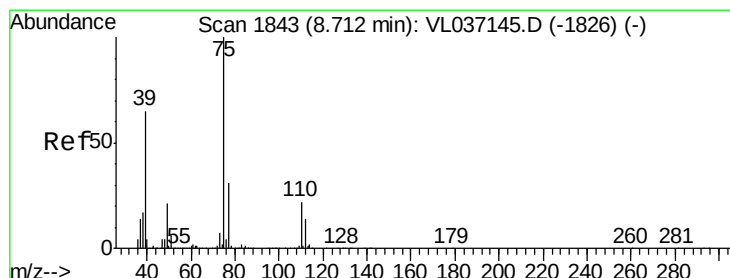
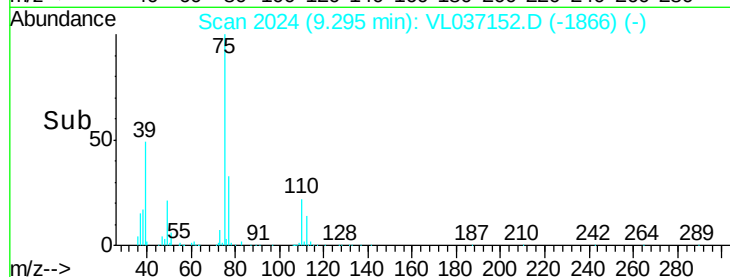
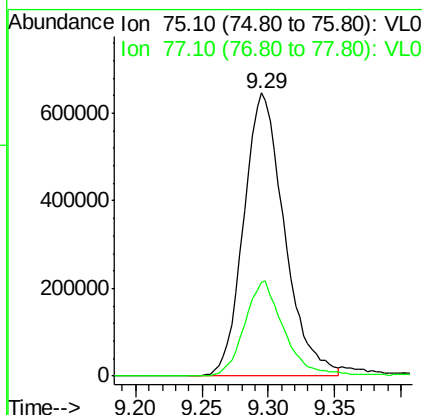
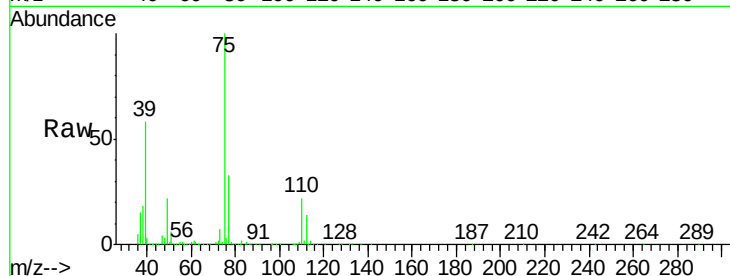
#45
t-1,3-Dichloropropene
Concen: 12.108 ppbv
RT: 9.29 min Scan# 2024
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion: 75 Resp: 1380614
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2

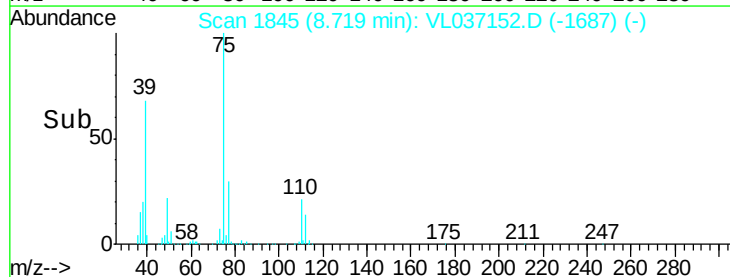
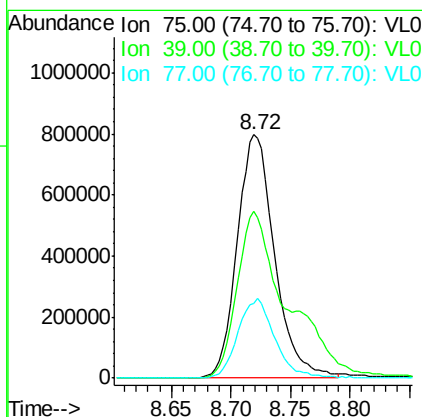
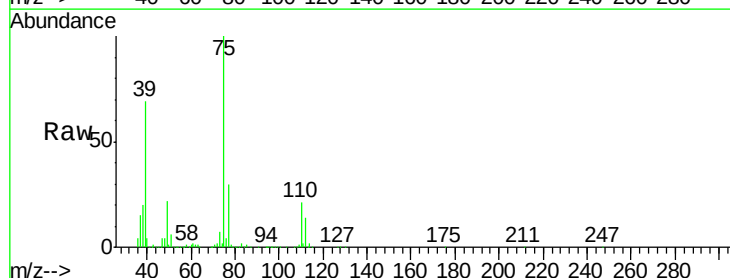
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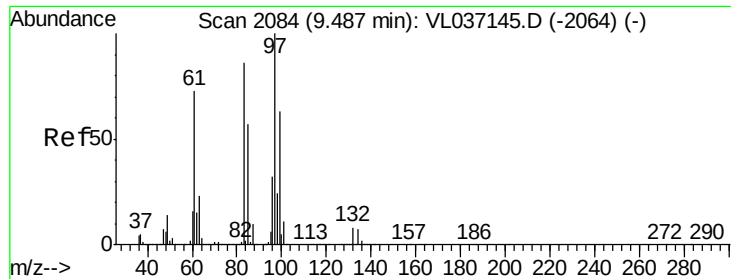
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 11.429 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 75 Resp: 1738679
Ion Ratio Lower Upper
75 100
39 68.4 52.2 78.4
77 30.4 24.5 36.7





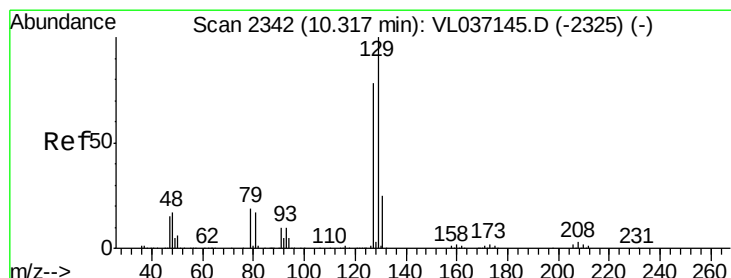
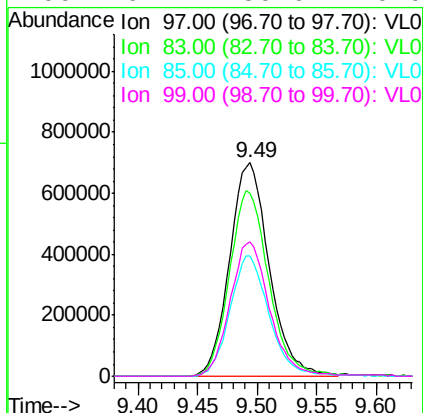
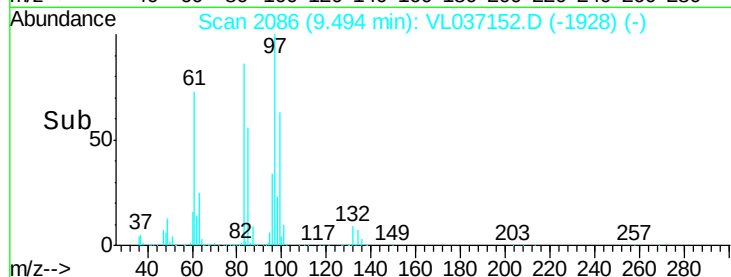
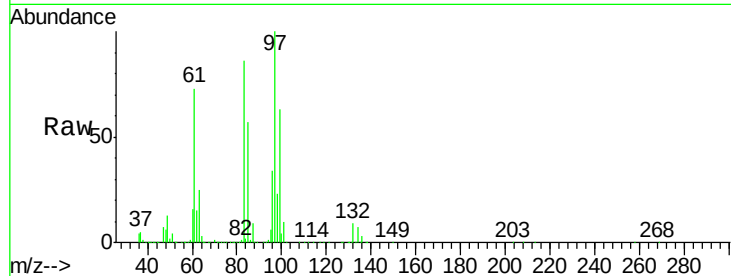
#47
 1,1,2-Trichloroethane
 Concen: 10.084 ppbv
 RT: 9.49 min Scan# 2086
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.0	69.0	103.4	
85	56.5	45.7	68.5	
99	62.7	50.6	76.0	

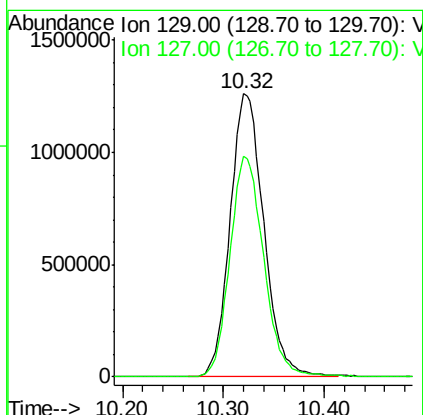
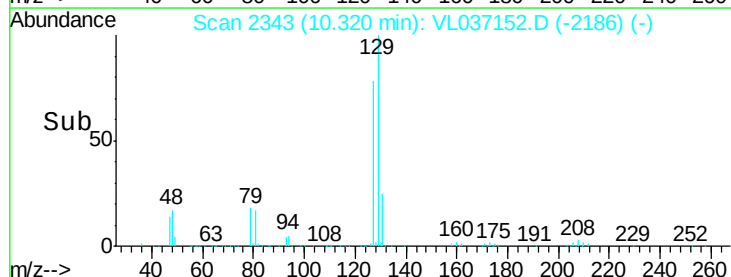
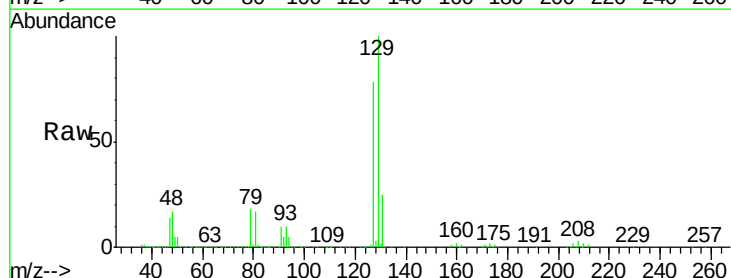
Manual Integrations
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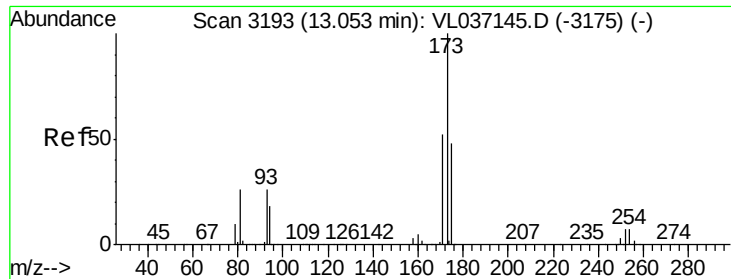
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.371 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	39.4	118.2	





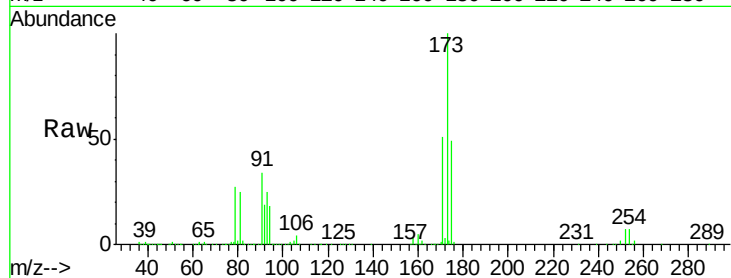
#49
Bromoform
Concen: 11.940 ppbv
RT: 13.06 min Scan# 3196
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

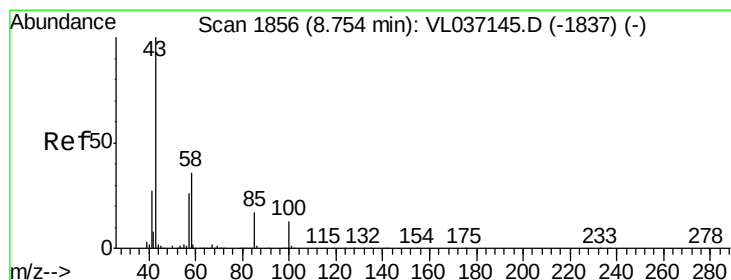
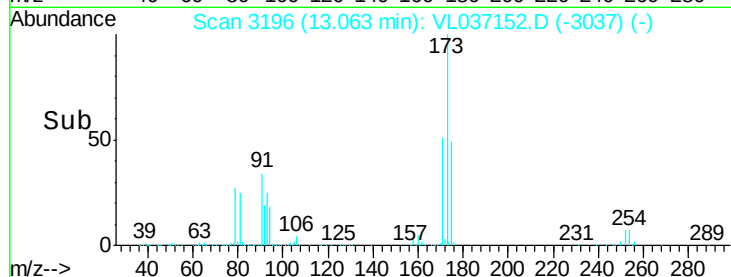
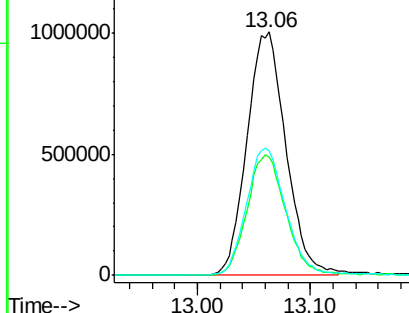
Tot Ion:173 Resp: 2403246
Ion Ratio Lower Upper
173 100
175 50.1 39.8 59.6
171 53.4 42.5 63.7

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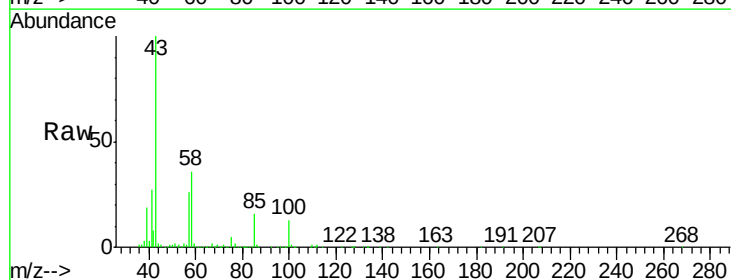


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

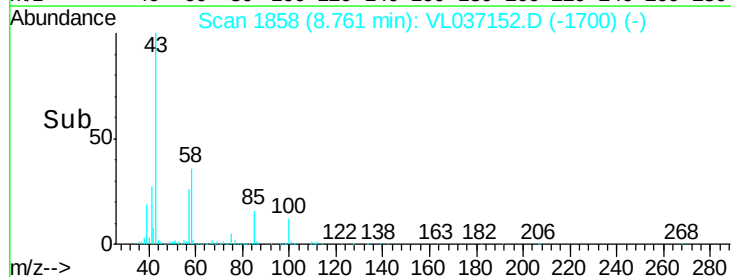
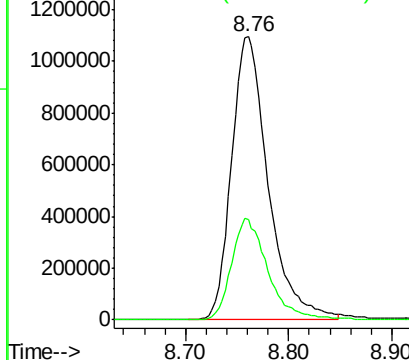


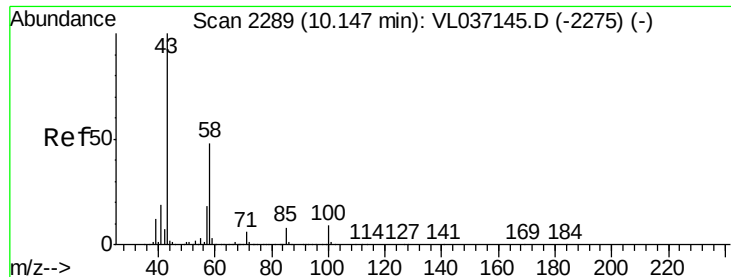
#50
4-Methyl-2-Pentanone
Concen: 10.528 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 43 Resp: 2703453
Ion Ratio Lower Upper
43 100
58 36.0 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.033 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 43 Resp: 1414149

Ion Ratio Lower Upper

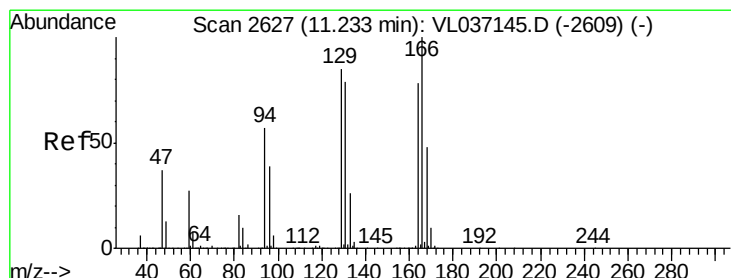
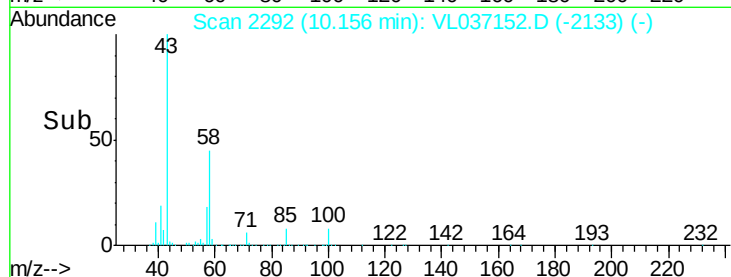
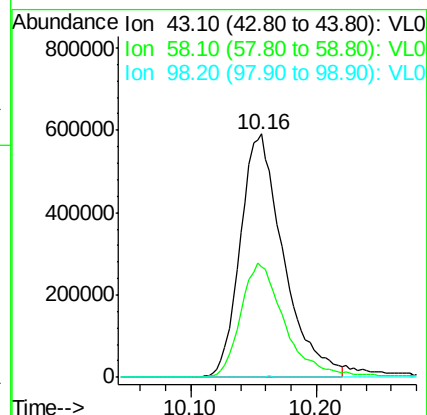
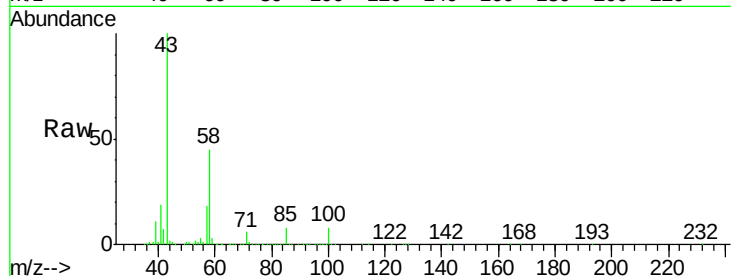
43 100

58 49.0 40.1 60.1

98 0.3 0.2 0.4

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#52

Tetrachloroethene

Concen: 10.270 ppbv

RT: 11.24 min Scan# 2629

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion: 164 Resp: 1566510

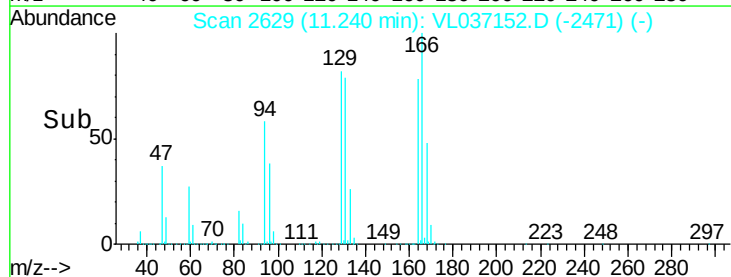
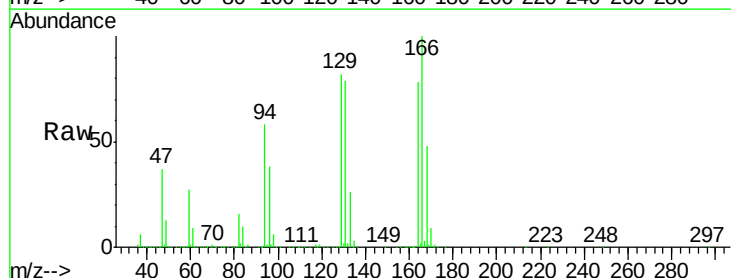
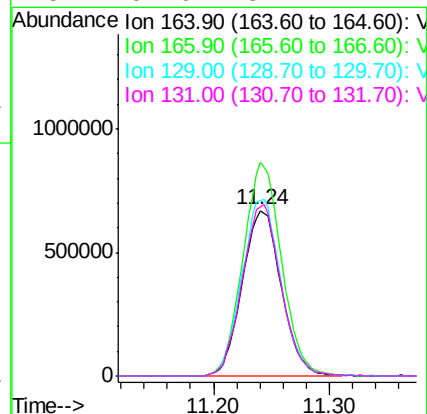
Ion Ratio Lower Upper

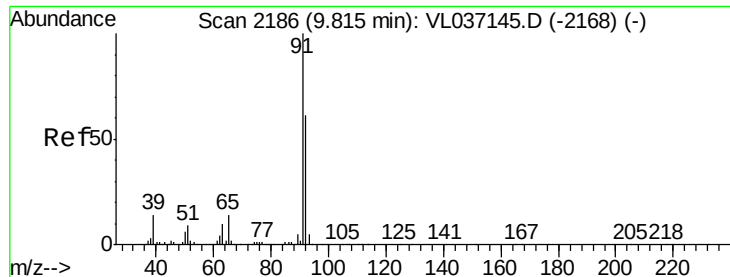
164 100

166 128.9 102.6 154.0

129 105.6 87.4 131.2

131 101.9 81.4 122.2





#53

Toluene

Concen: 10.275 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 91 Resp: 4504466

Ion Ratio Lower Upper

91 100

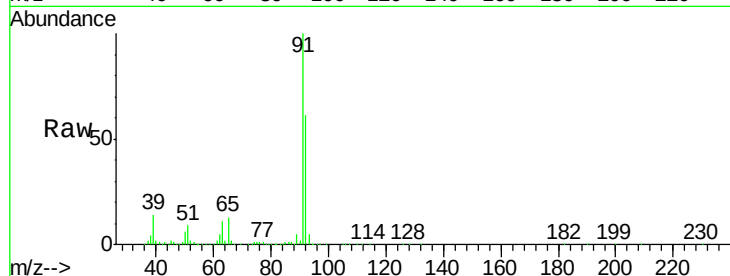
92 60.8 48.6 73.0

Manual Integrations

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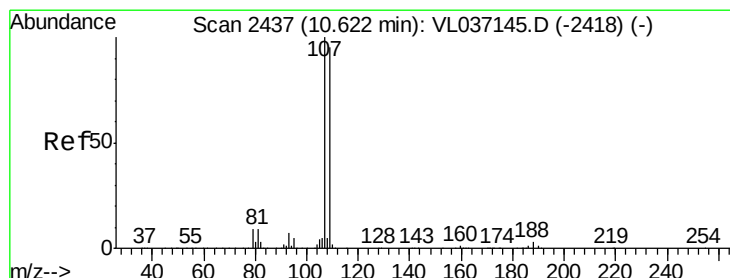
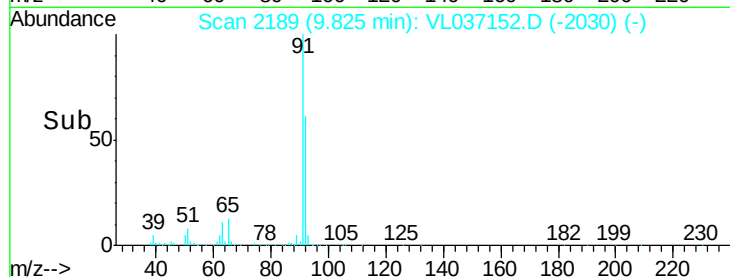
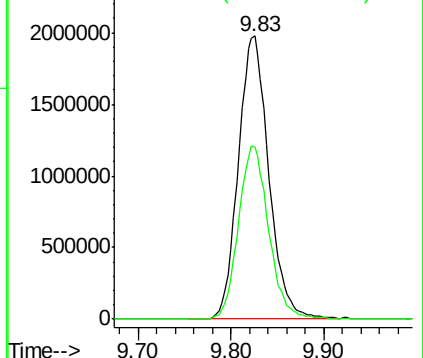
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.428 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.01 min

Lab File: VL037152.D

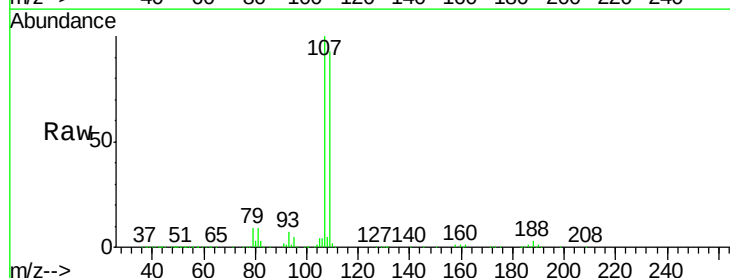
Acq: 14 Jun 2021 17:09

Tgt Ion: 107 Resp: 2438764

Ion Ratio Lower Upper

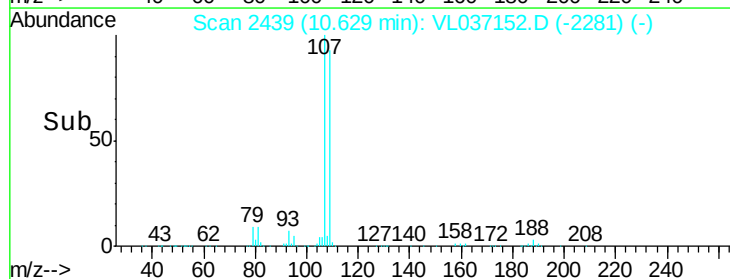
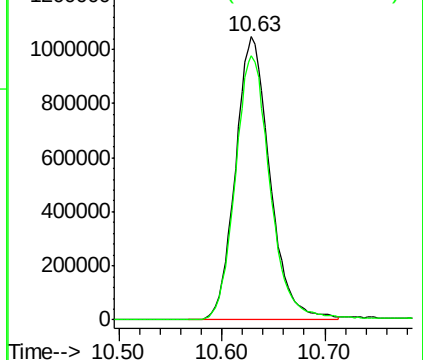
107 100

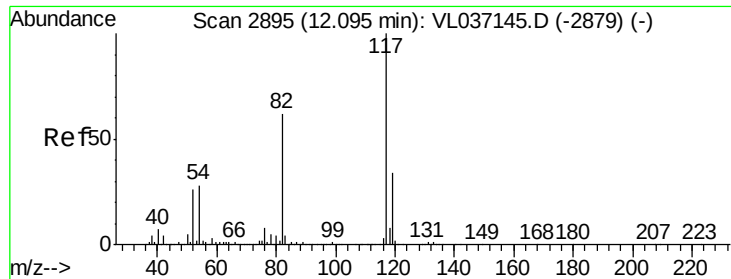
109 93.1 75.6 113.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





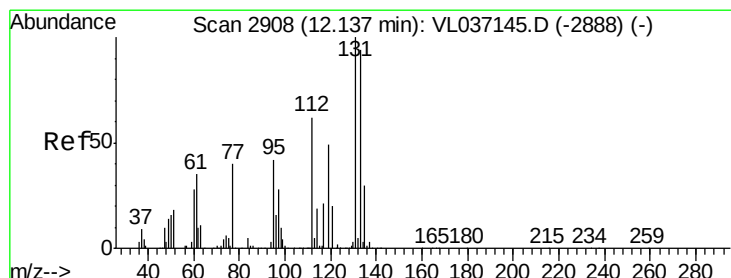
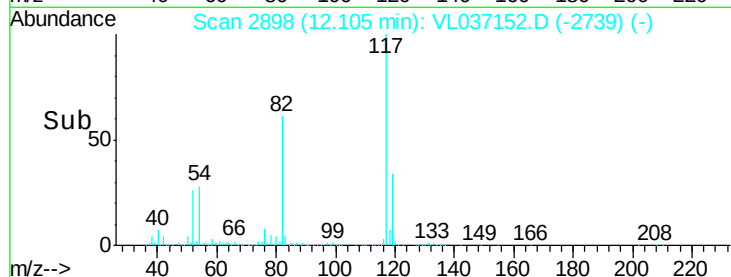
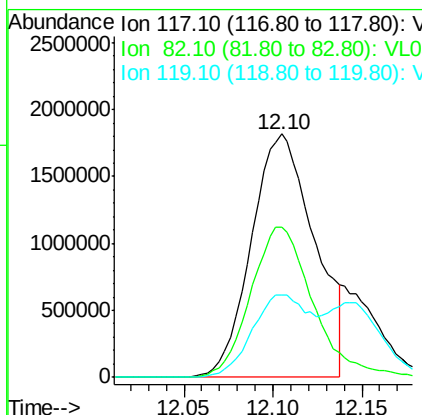
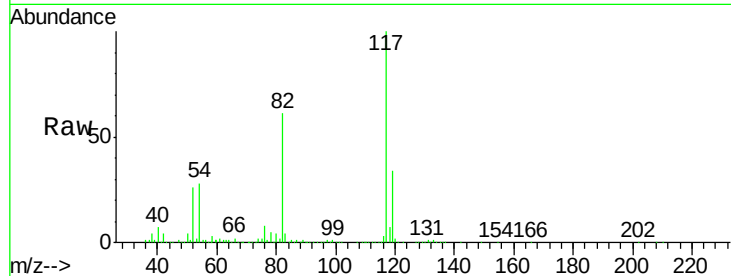
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2898
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion:117 Resp: 4474140
Ion Ratio Lower Upper
117 100
82 62.0 50.6 76.0
119 32.5 27.1 40.7

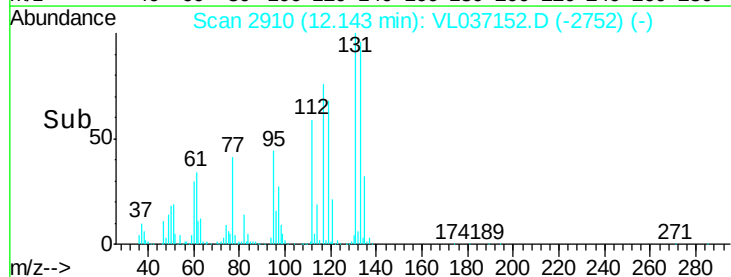
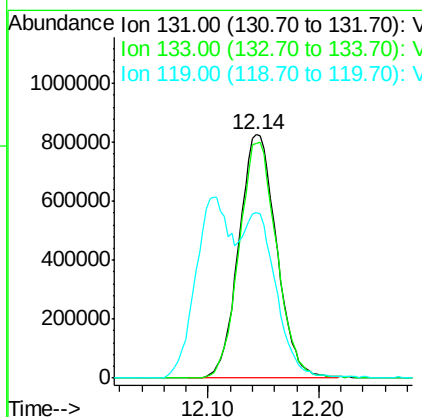
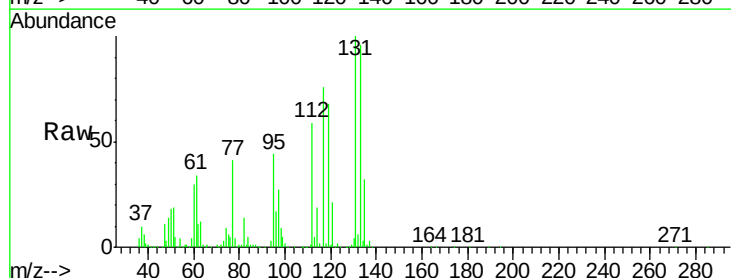
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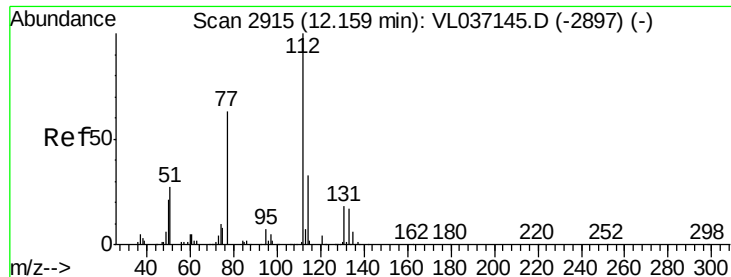
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.010 ppbv
RT: 12.14 min Scan# 2910
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion:131 Resp: 1953266
Ion Ratio Lower Upper
131 100
133 96.7 76.7 115.1
119 59.2 50.7 76.1





#57

Chlorobenzene

Concen: 9.671 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 112 Resp: 3467127

Ion Ratio Lower Upper

112 100

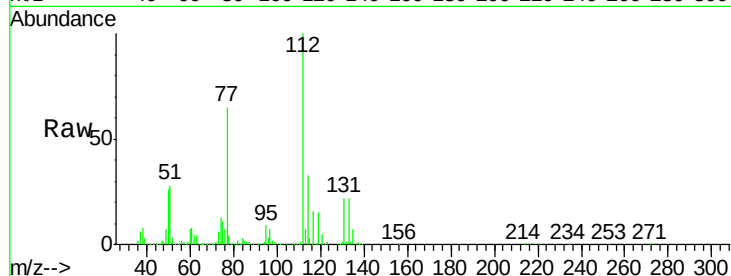
77 64.2 51.4 77.2

114 32.6 29.7 36.3

Manual Integrations
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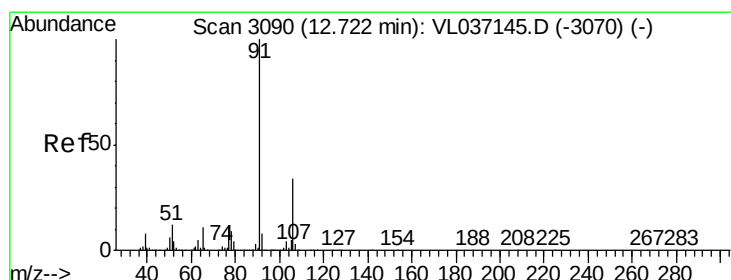
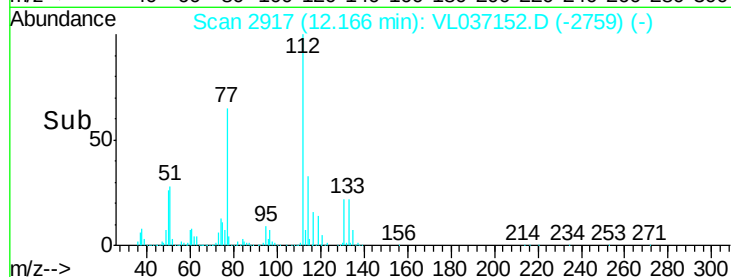
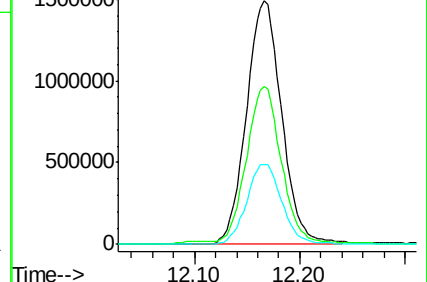
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.927 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. 0.01 min

Lab File: VL037152.D

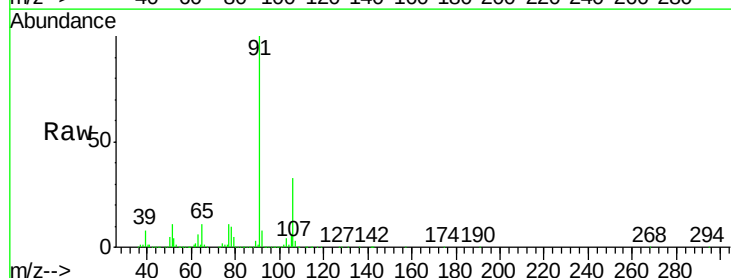
Acq: 14 Jun 2021 17:09

Tgt Ion: 91 Resp: 6016420

Ion Ratio Lower Upper

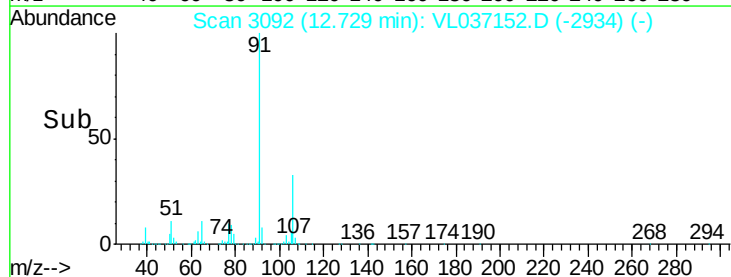
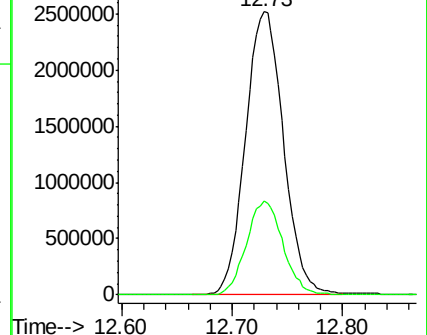
91 100

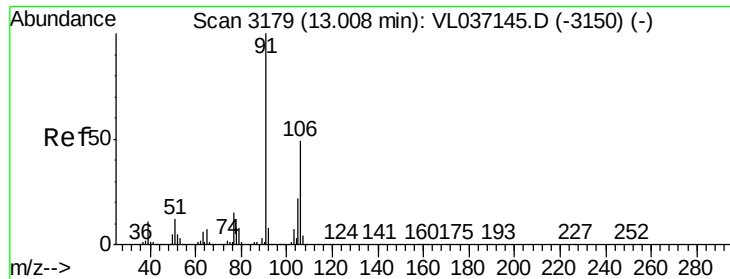
106 33.0 26.8 40.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





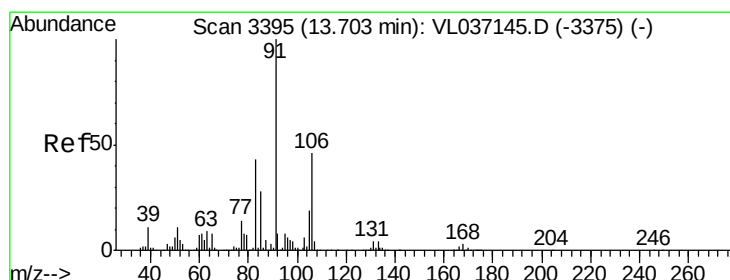
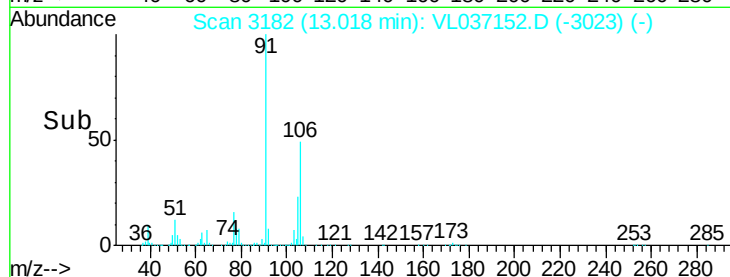
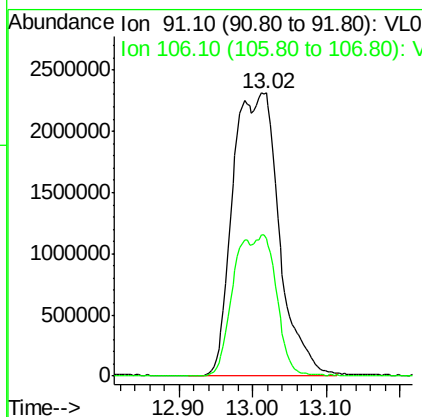
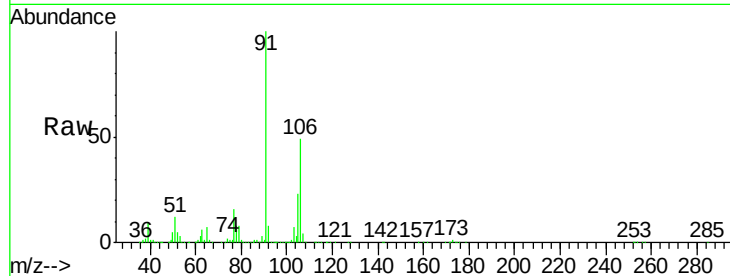
#59
m/p-Xylene
Concen: 19.655 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion: 91 Resp: 10122664
Ion Ratio Lower Upper
91 100
106 46.1 36.9 55.3

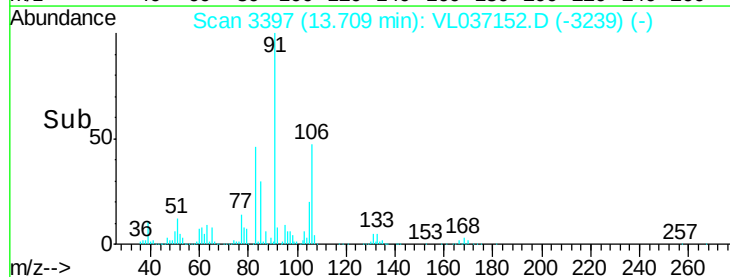
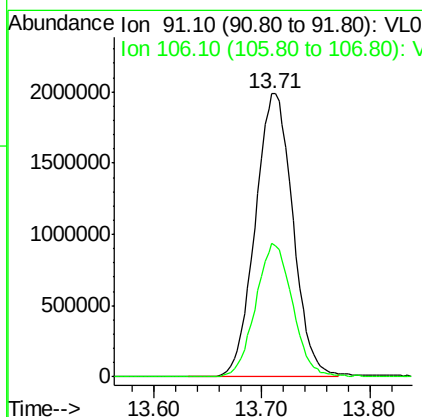
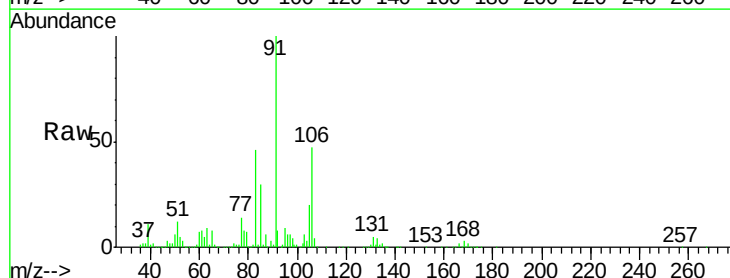
Manual Integrations
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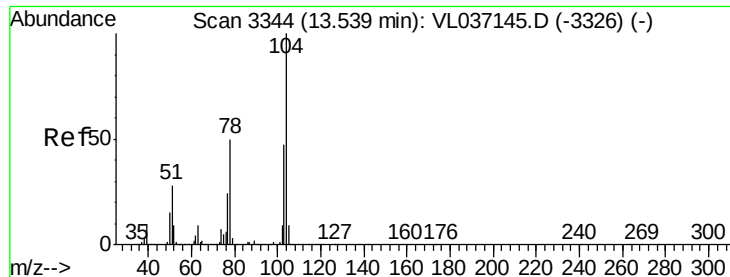
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#60
o-Xylene
Concen: 9.715 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion: 91 Resp: 4803958
Ion Ratio Lower Upper
91 100
106 46.4 23.1 69.3





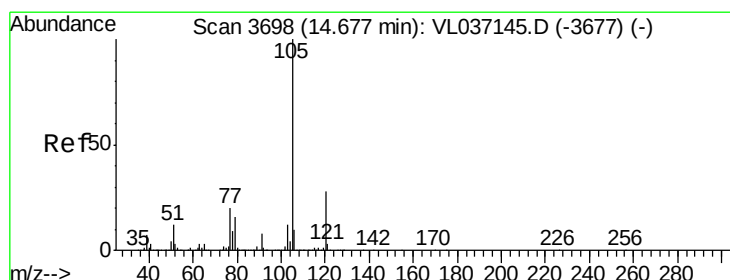
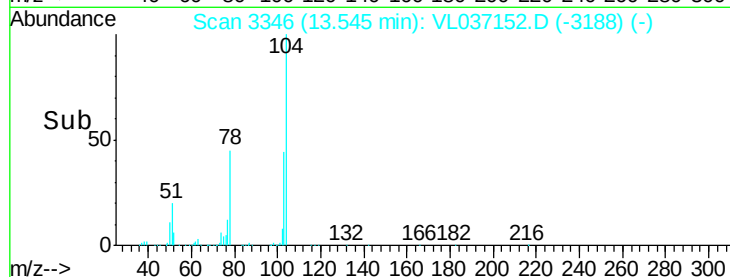
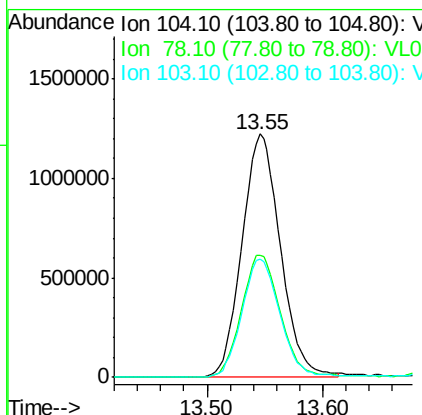
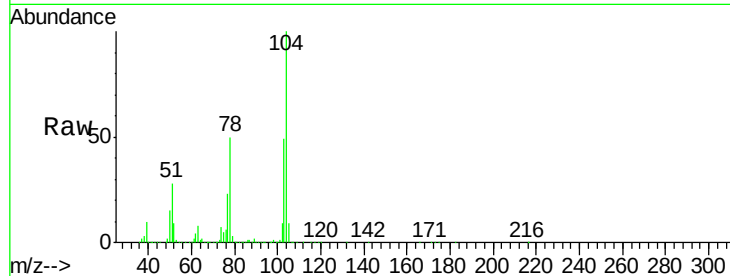
#61
Stvrene
Concen: 10.814 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	40.9	61.3
103	48.8	38.6	58.0

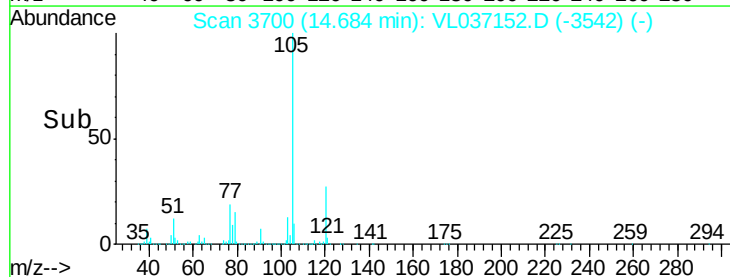
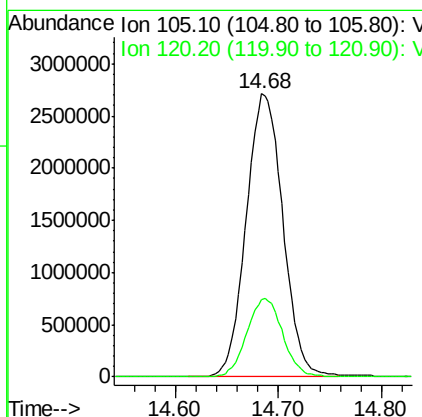
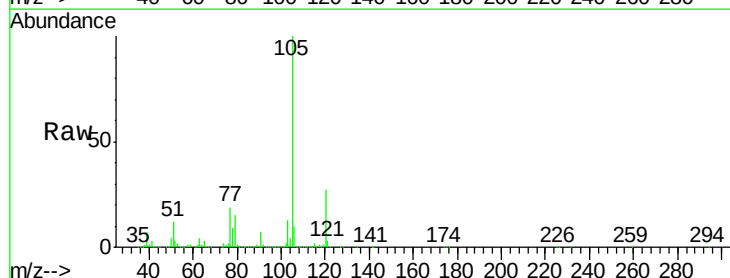
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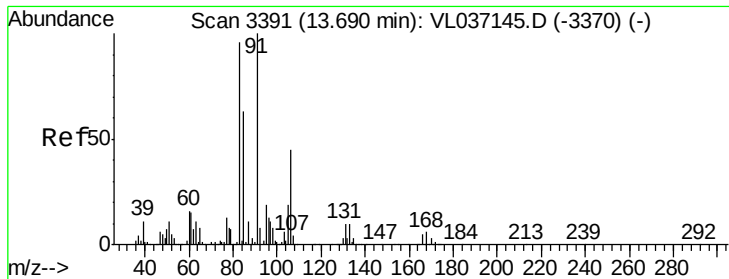
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#62
Isopropylbenzene
Concen: 9.511 ppbv
RT: 14.68 min Scan# 3700
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.3	21.8	32.6





#63

1,1,2,2-Tetrachloroethane

Concen: 10.097 ppbv

RT: 13.70 min Scan# 3393

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 83 Resp: 3246240

Ion Ratio Lower Upper

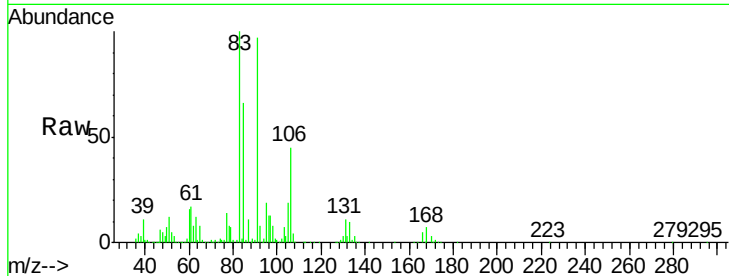
83 100

131 10.9 5.4 16.2

85 66.6 33.3 99.9

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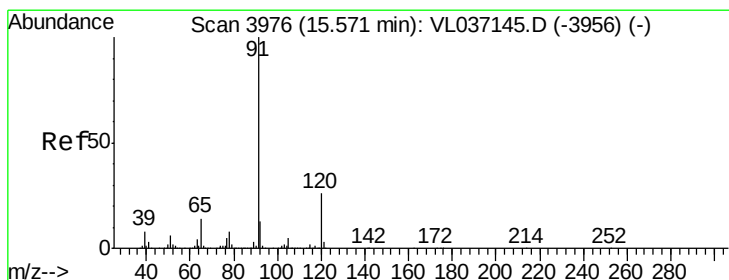
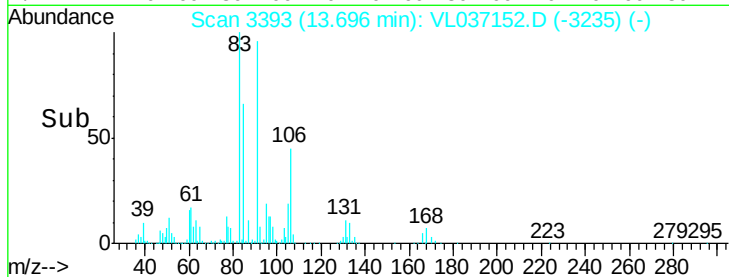
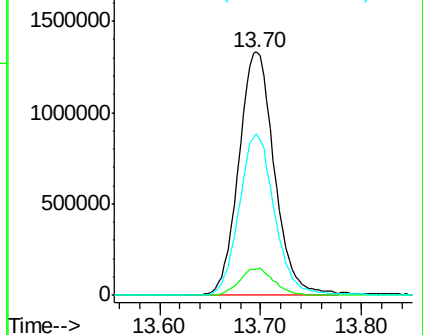
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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.184 ppbv

RT: 15.58 min Scan# 3979

Delta R.T. 0.01 min

Lab File: VL037152.D

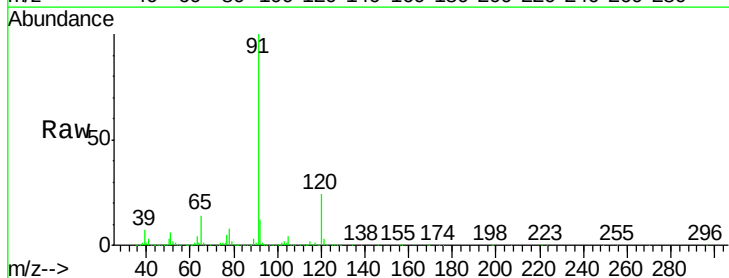
Acq: 14 Jun 2021 17:09

Tgt Ion:120 Resp: 1830657

Ion Ratio Lower Upper

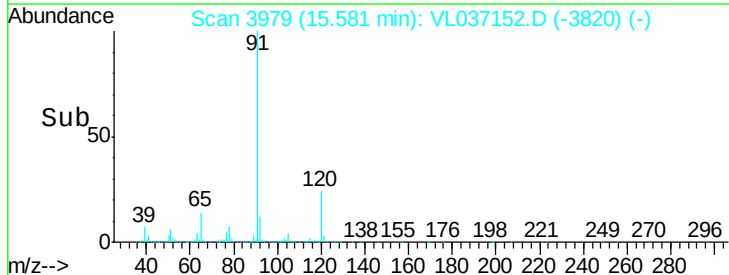
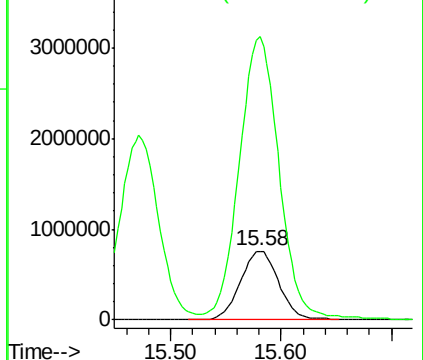
120 100

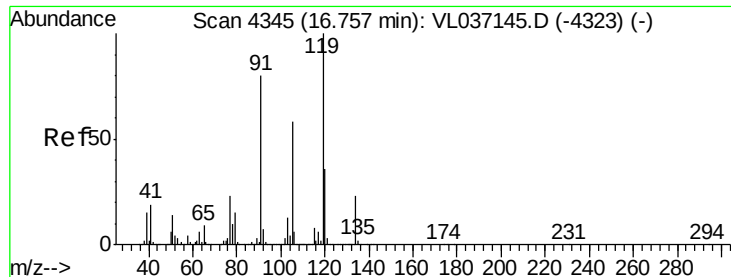
91 428.8 342.2 513.4



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 9.632 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion:119 Resp: 6152914

Ion Ratio Lower Upper

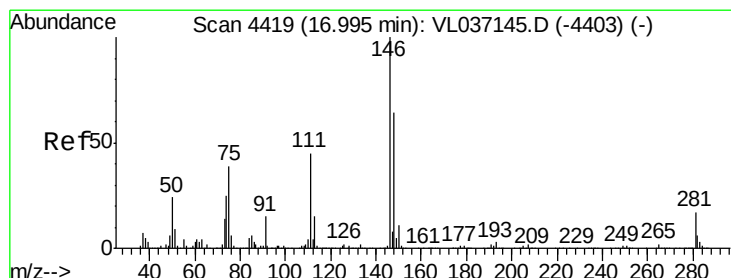
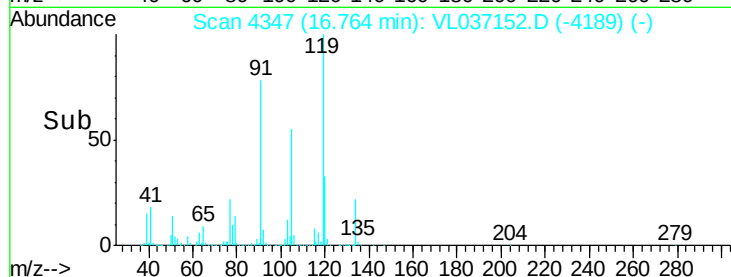
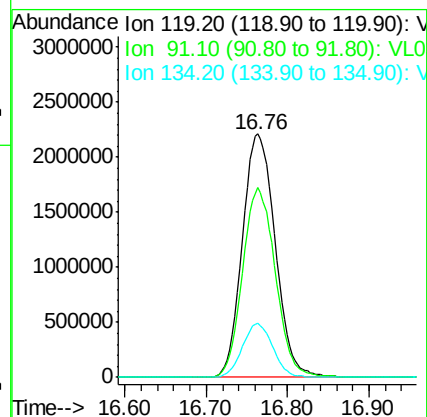
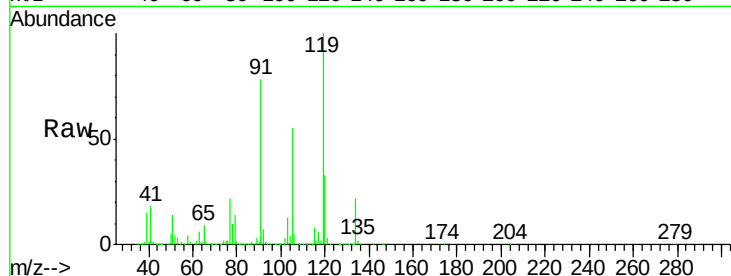
119 100

91 77.6 62.8 94.2

134 20.5 16.5 24.7

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#66

Benzyl Chloride

Concen: 11.692 ppbv

RT: 17.00 min Scan# 4422

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

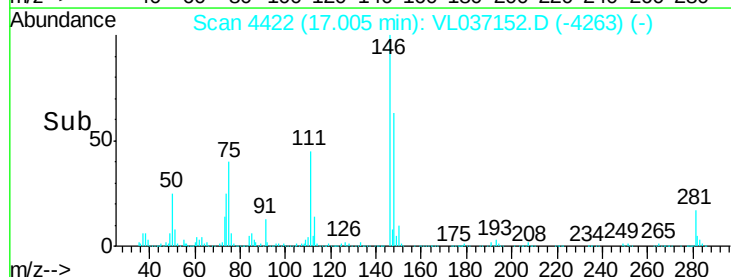
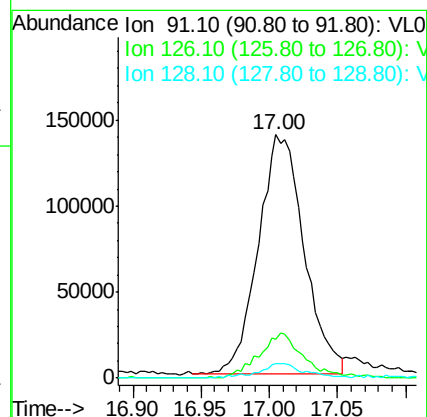
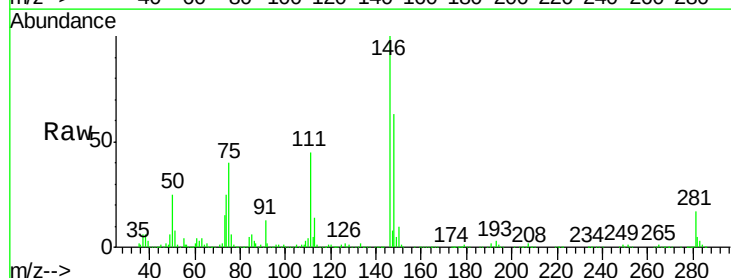
Tgt Ion: 91 Resp: 325984

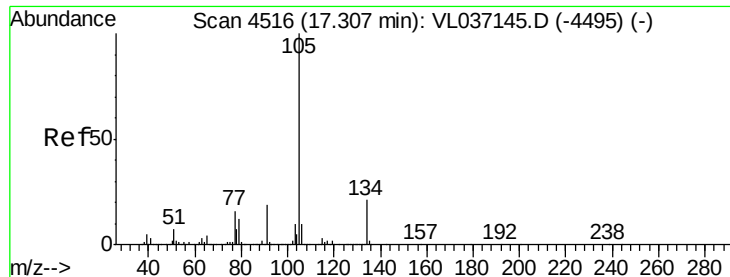
Ion Ratio Lower Upper

91 100

126 18.8 16.4 24.6

128 6.5 5.7 8.5





#67

sec-Butylbenzene

Concen: 9.563 ppbv

RT: 17.31 min Scan# 4518

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 105 Resp: 8115916

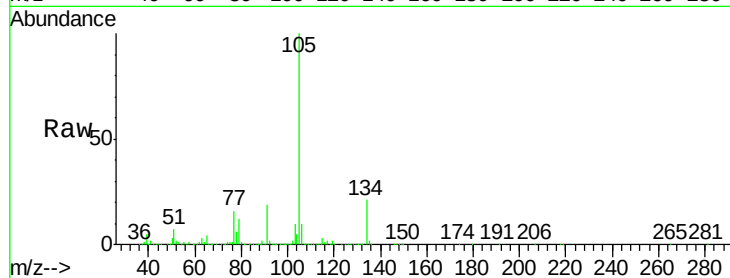
Ion Ratio Lower Upper

105 100

134 20.0 16.0 24.0

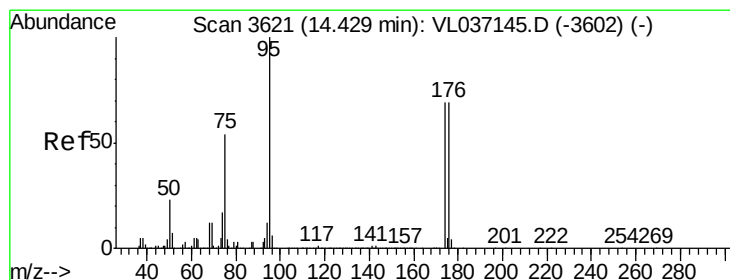
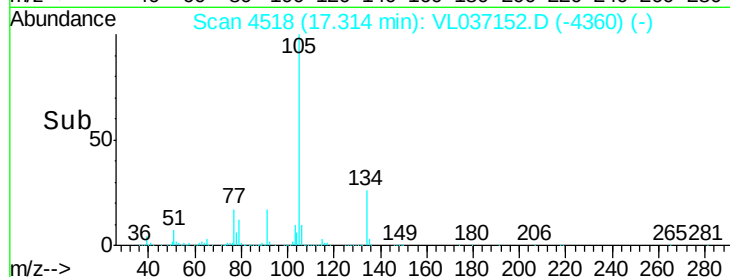
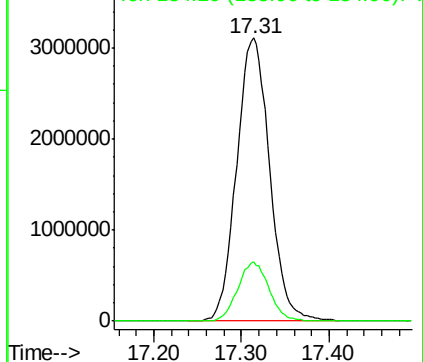
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.991 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.00 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

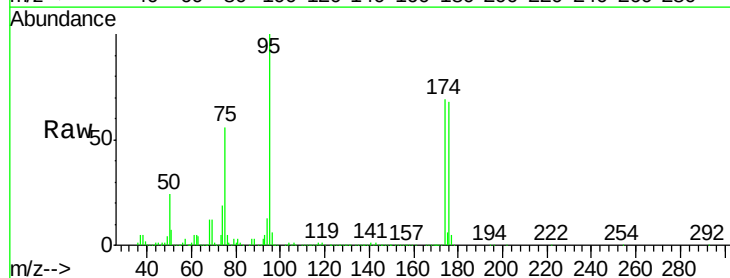
Tgt Ion: 95 Resp: 3292482

Ion Ratio Lower Upper

95 100

174 71.5 57.6 86.4

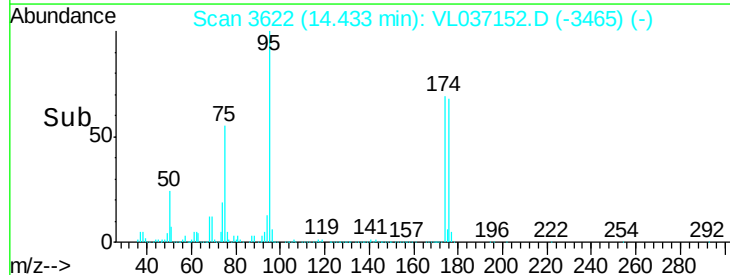
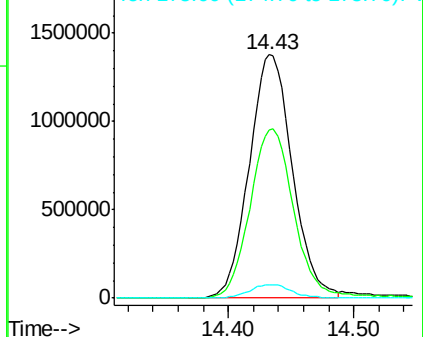
175 5.6 4.4 6.6

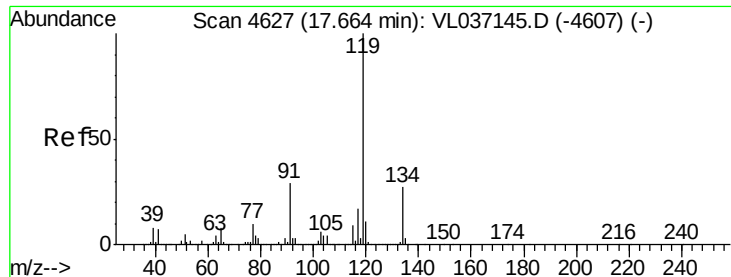


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





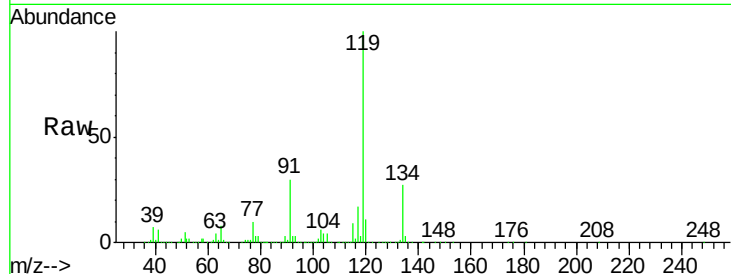
#69
 p-Isopropyltoluene
 Concen: 9.949 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

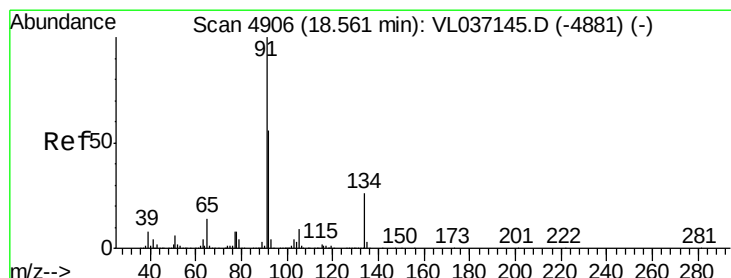
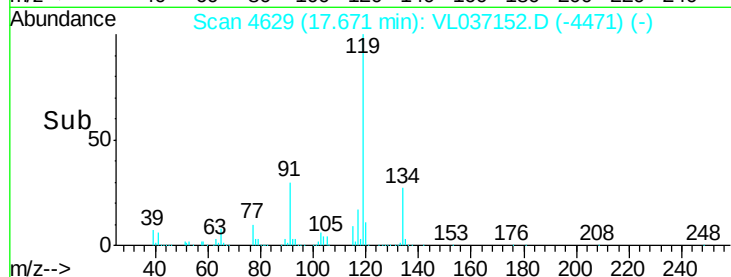
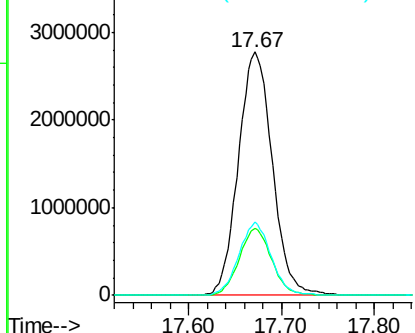
Tot Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	28.7	22.9	34.3

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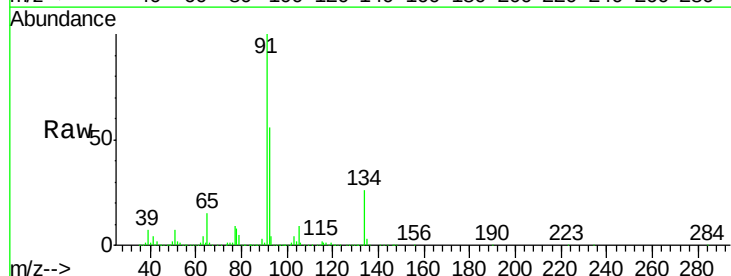


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

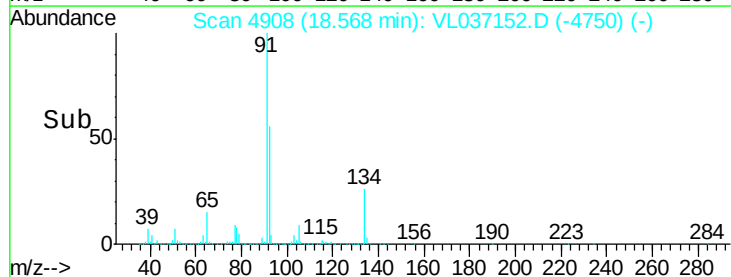
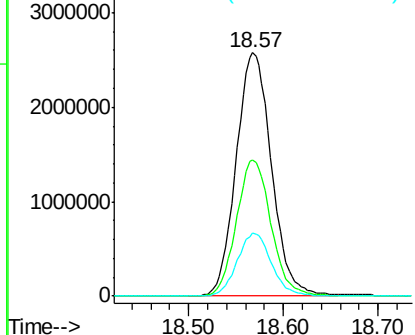


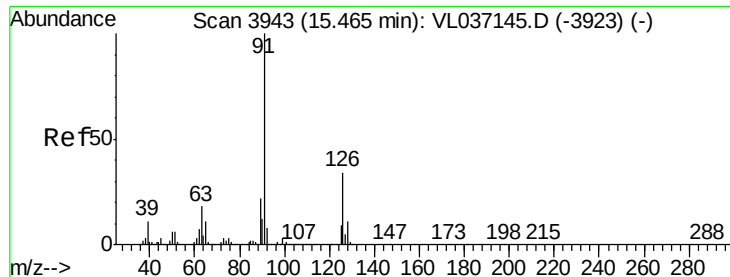
#70
 n-Butylbenzene
 Concen: 10.320 ppbv
 RT: 18.57 min Scan# 4908
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.0	66.0
134	25.3	20.4	30.6



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: 9.825 ppbv

RT: 15.47 min Scan# 3945

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion: 91 Resp: 4939822

Ion Ratio Lower Upper

91 100

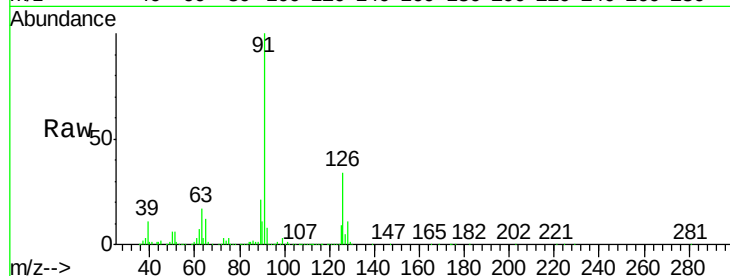
126 34.0 13.4 53.6

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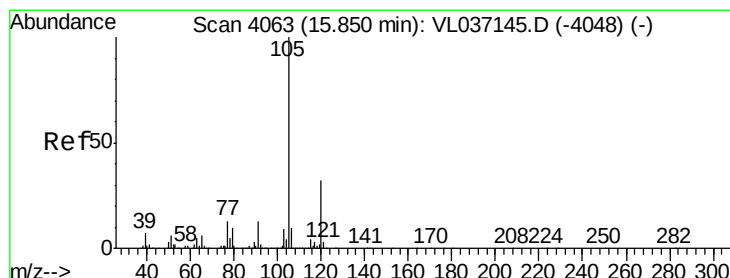
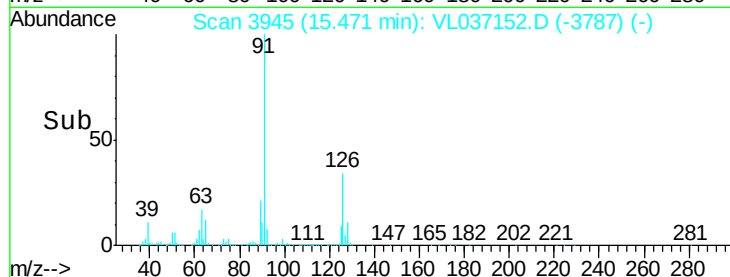
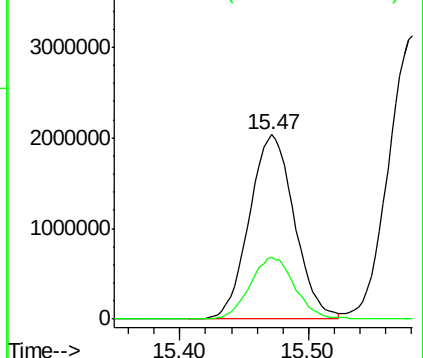
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.238 ppbv

RT: 15.86 min Scan# 4065

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion:105 Resp: 5881183

Ion Ratio Lower Upper

105 100

120 30.8 25.1 37.7

91 12.9 10.3 15.5

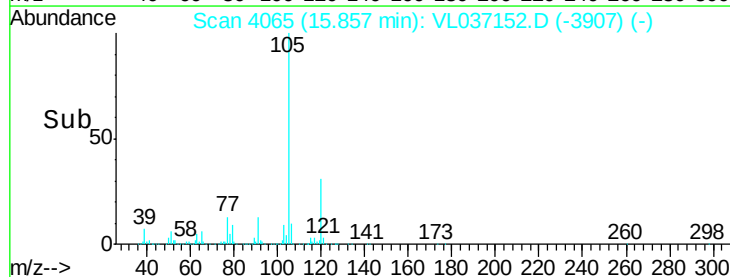
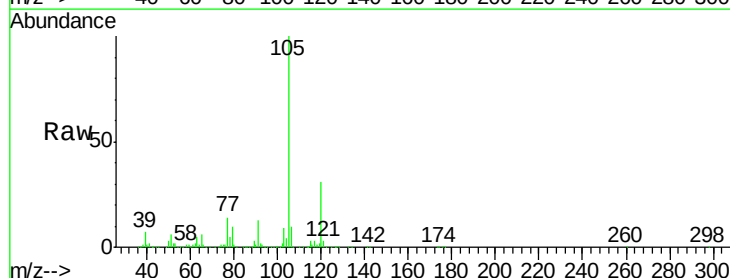
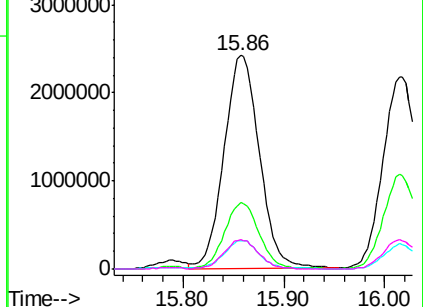
77 13.6 11.0 16.6

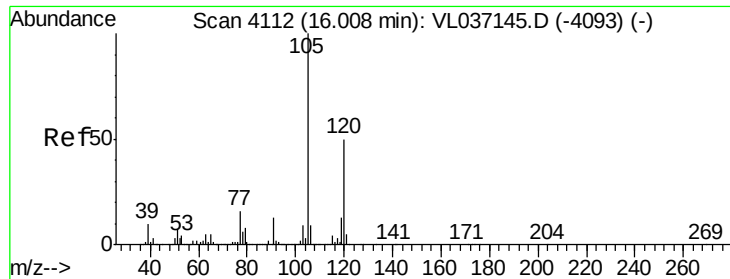
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 9.710 ppbv

RT: 16.01 min Scan# 4114

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Instrument :

MSVOA_L

ClientSampleId :

ICVVL061421

Tot Ion:105 Resp: 5290206

Ion Ratio Lower Upper

105 100

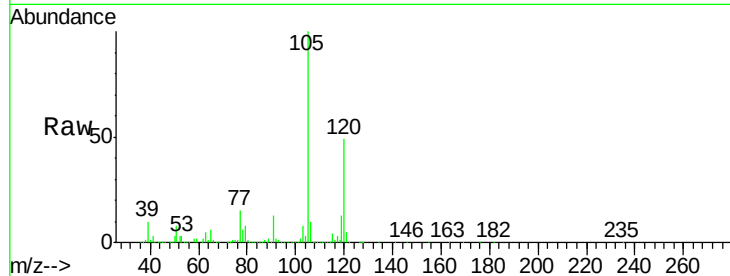
120 49.3 39.7 59.5

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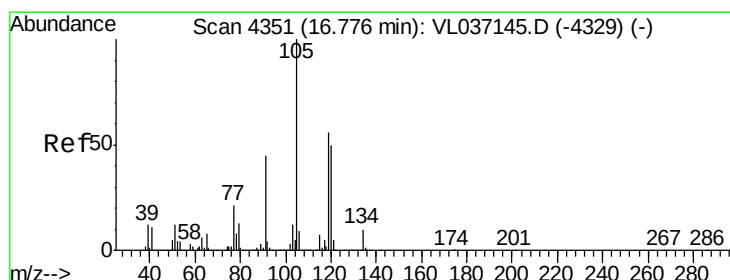
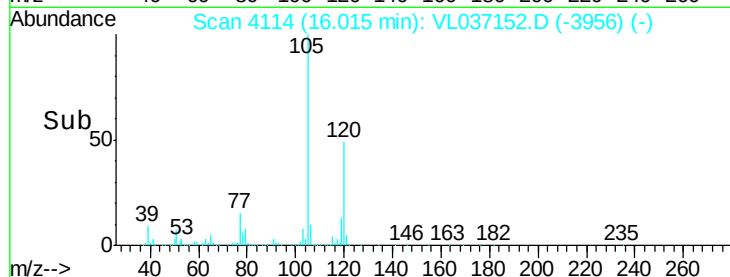
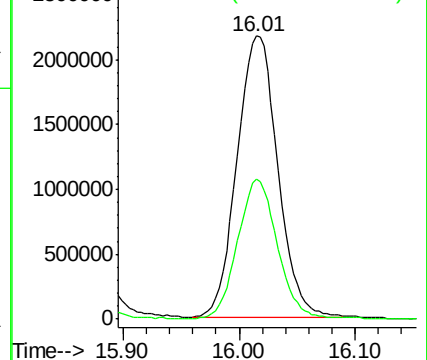
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.024 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL037152.D

Acq: 14 Jun 2021 17:09

Tgt Ion:105 Resp: 5556878

Ion Ratio Lower Upper

105 100

120 47.3 39.7 59.5

91 45.0 35.8 53.8

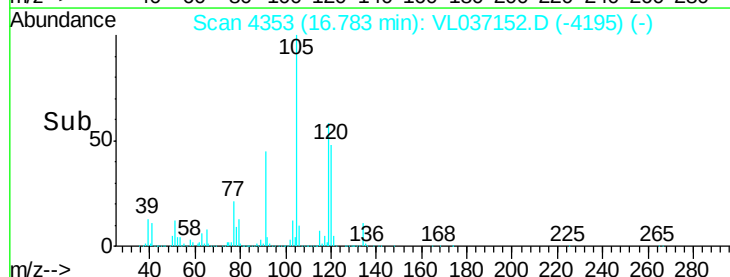
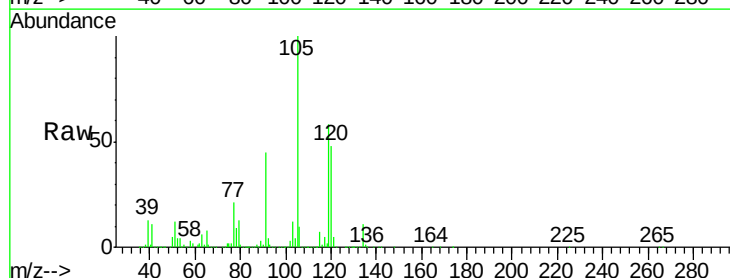
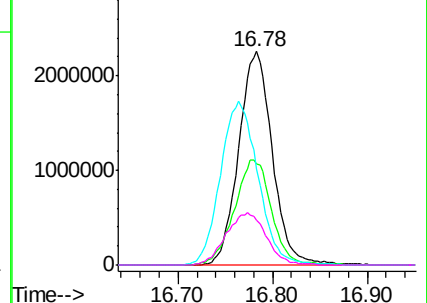
77 20.9 16.7 25.1

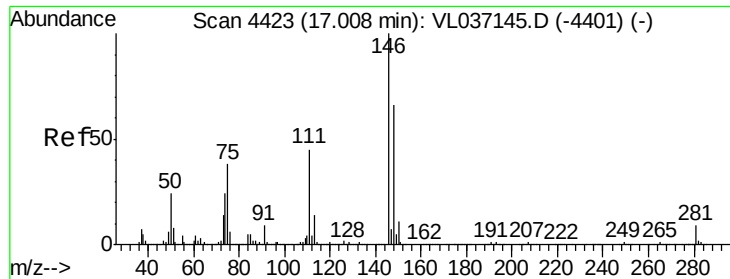
Abundance Ion 105.10 (104.80 to 105.80): V

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





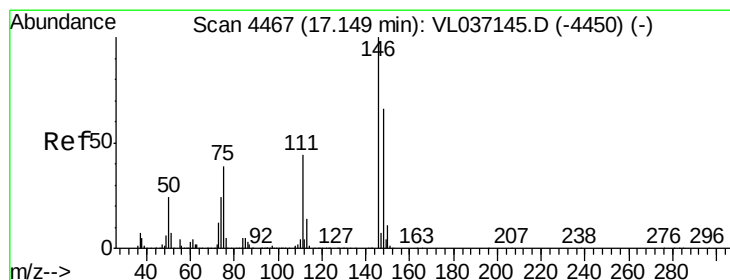
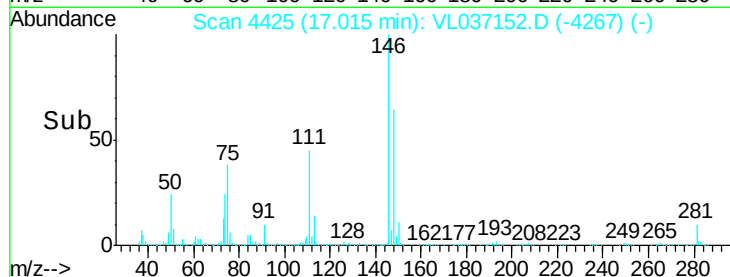
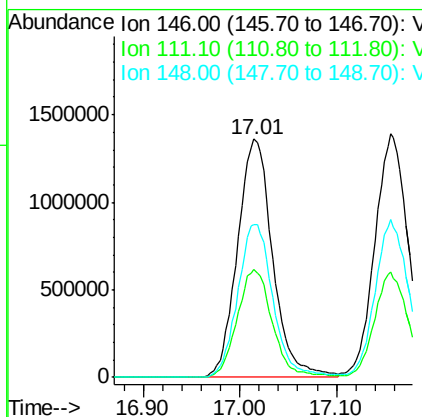
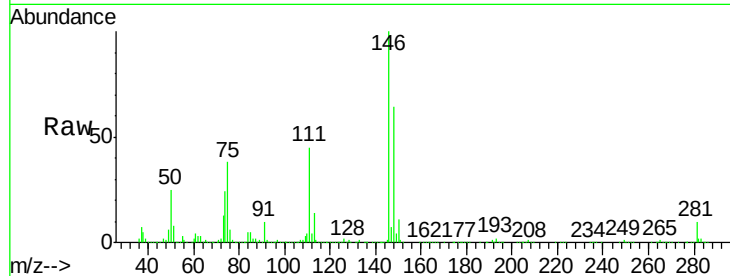
#75
 1,3-Dichlorobenzene
 Concen: 10.094 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Tot Ion:146 Resp: 3445459
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.4 67.2
 148 64.4 32.3 96.9

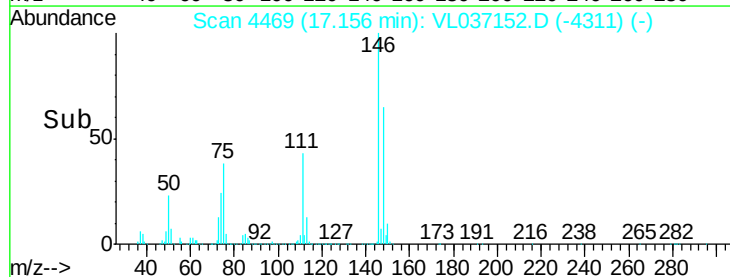
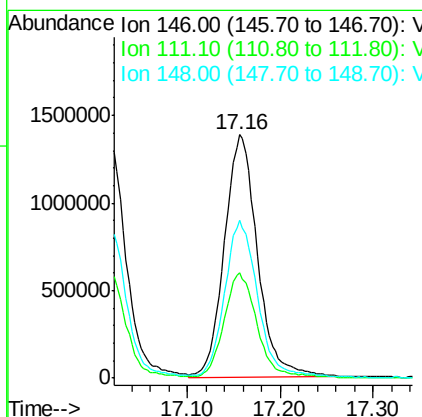
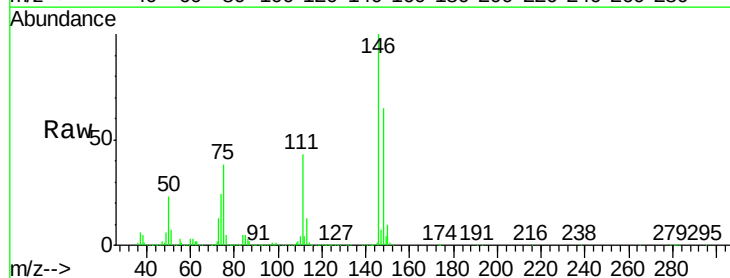
Manual Integrations
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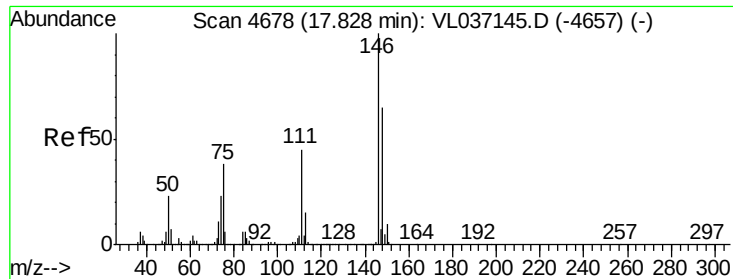
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#76
 1,4-Dichlorobenzene
 Concen: 10.074 ppbv
 RT: 17.16 min Scan# 4469
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion:146 Resp: 3415228
 Ion Ratio Lower Upper
 146 100
 111 44.2 21.9 65.5
 148 65.3 32.4 97.0





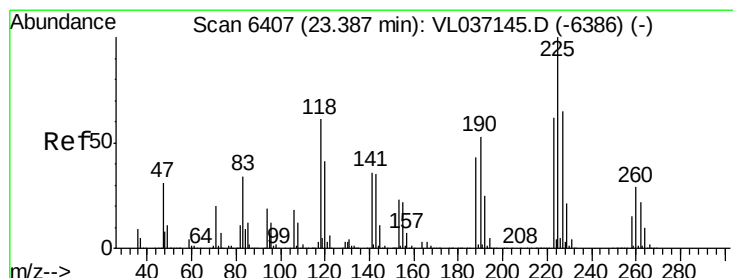
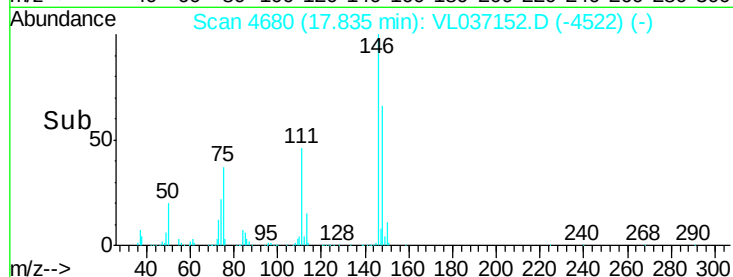
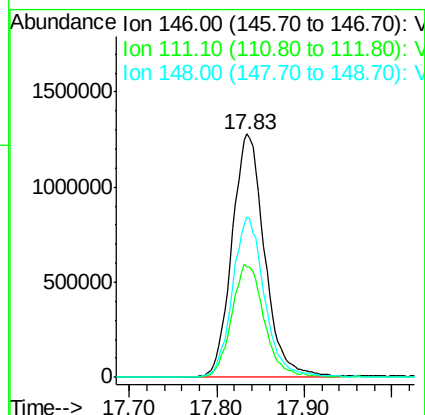
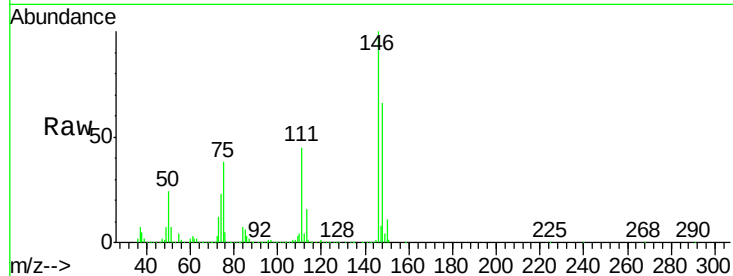
#77
 1,2-Dichlorobenzene
 Concen: 9.819 ppbv
 RT: 17.83 min Scan# 4680
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Tot Ion:146 Resp: 3304717
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.1 69.3
 148 64.8 32.5 97.5

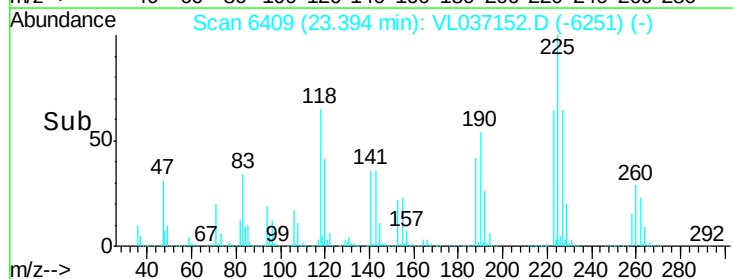
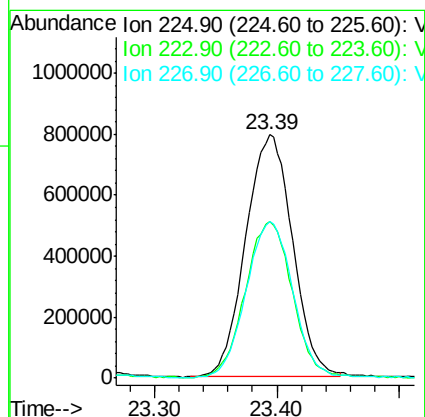
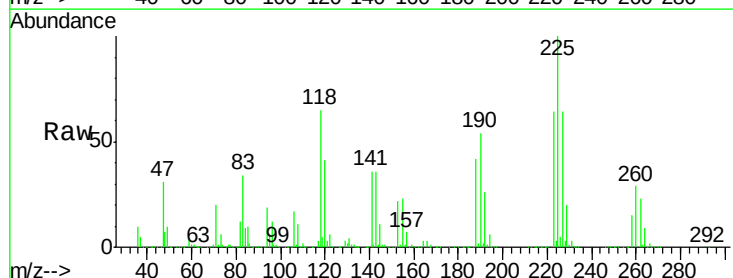
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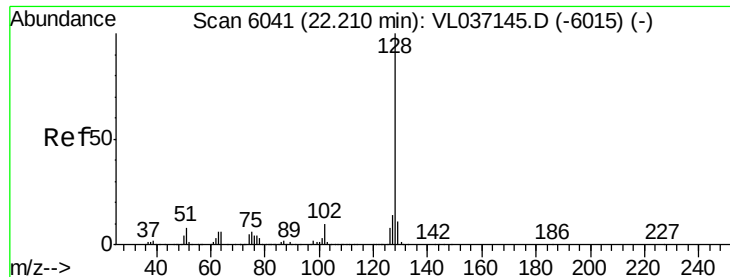
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.863 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Tgt Ion:225 Resp: 2114737
 Ion Ratio Lower Upper
 225 100
 223 64.8 52.2 78.2
 227 64.7 51.5 77.3





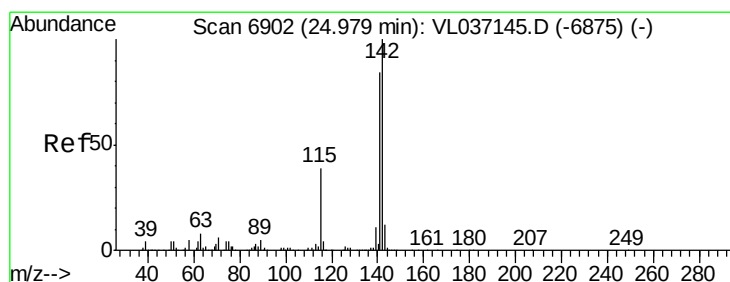
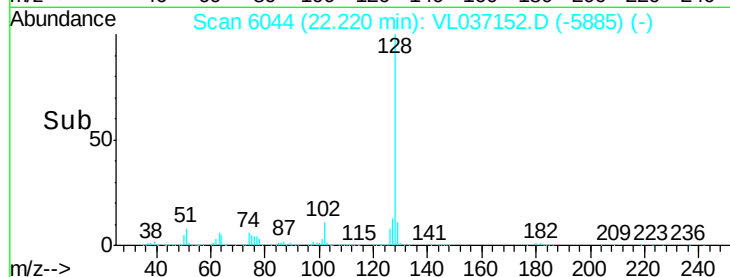
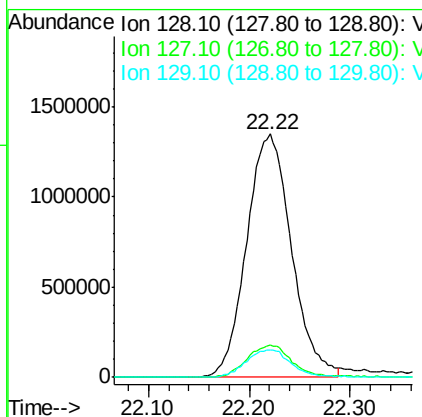
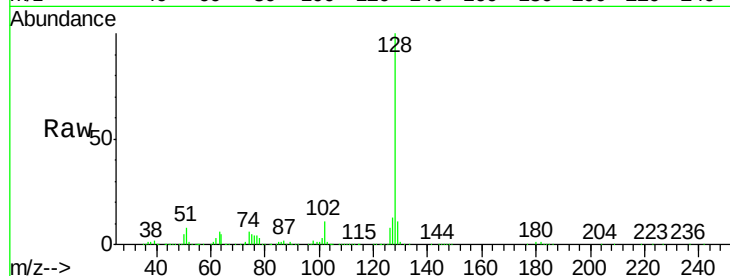
#79
Naphthalene
Concen: 12.485 ppbv
RT: 22.22 min Scan# 6044
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Instrument :
MSVOA_L
ClientSampleId :
ICVVL061421

Tot Ion:128 Resp: 4166016
Ion Ratio Lower Upper
128 100
127 13.4 10.9 16.3
129 11.2 9.0 13.4

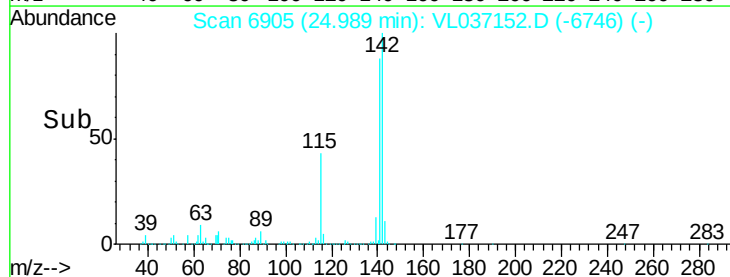
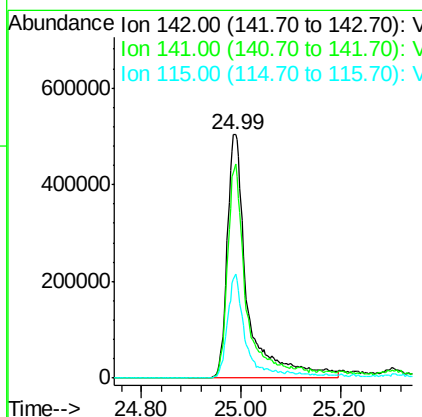
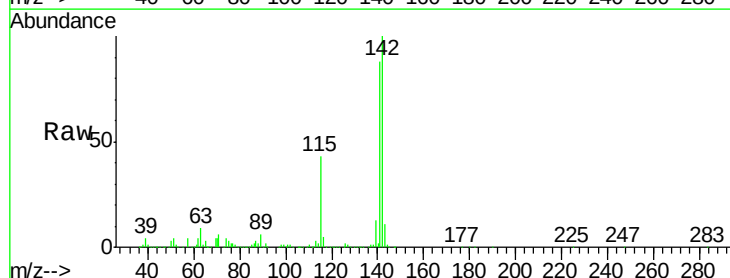
Manual Integrations
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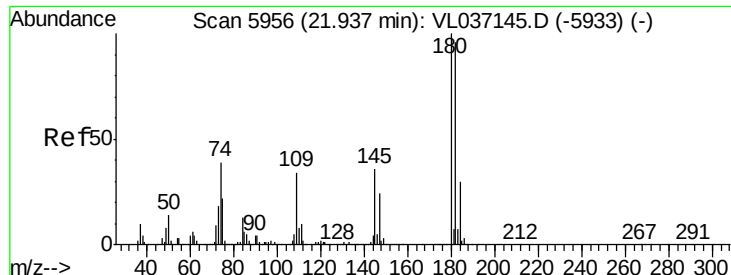
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#80
Naphthalene, 2-methyl-
Concen: 17.749 ppbv
RT: 24.99 min Scan# 6905
Delta R.T. 0.01 min
Lab File: VL037152.D
Acq: 14 Jun 2021 17:09

Tgt Ion:142 Resp: 1432859
Ion Ratio Lower Upper
142 100
141 81.5 66.7 100.1
115 40.1 32.2 48.2





#81
 1,2,4-Trichlorobenzene
 Concen: 11.442 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. 0.01 min
 Lab File: VL037152.D
 Acq: 14 Jun 2021 17:09

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL061421

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.4	79.8	119.6
184	31.1	25.1	37.7

Manual Integrations
 APPROVED

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