

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035296.D
 Acq On : 31 Jul 2020 2:21
 Operator : SY/AP
 Sample : VL0731ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/3/2020 12:36:34 PM

Quant Time: Jul 31 06:18:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1193691	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2895350	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2865271	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	2249506	9.83	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1410131	9.891	ppbv	99
3) Chlorodifluoromethane	2.95	51	1237359	9.364	ppbv	99
4) Chloromethane	3.11	50	700357	9.419	ppbv	100
5) Vinyl Chloride	3.23	62	723581	9.342	ppbv	96
6) Bromomethane	3.44	94	460344	9.622	ppbv	97
7) Chloroethane	3.53	64	277370	9.921	ppbv	95
8) Dichlorotetrafluoroethane	3.15	85	1806702	9.988	ppbv	99
9) Propene	2.98	41	465643	10.110	ppbv	97
10) Heptane	8.14	43	1390846	11.156	ppbv	99
11) Trichlorofluoromethane	3.93	101	1940505	10.119	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1363471	10.026	ppbv	100
13) Ethanol	3.58	45	110156	5.876	ppbv	96
14) Bromoethene	3.71	108	577457	10.404	ppbv	100
15) Acetone	3.83	43	1421988	8.931	ppbv	99
16) 1,3-Butadiene	3.29	39	633035	10.192	ppbv	99
17) tert-Butyl alcohol	4.28	59	1538546	10.012	ppbv	99
18) 1,1-Dichloroethene	4.27	96	626914	10.382	ppbv	93
19) Isopropyl Alcohol	3.95	45	951333	9.059	ppbv #	98
20) Methylene Chloride	4.33	84	584243	8.061	ppbv	96
21) Allyl Chloride	4.40	41	968111	10.676	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	614075	10.583	ppbv	99
23) Vinyl Acetate	5.07	43	1701443	10.635	ppbv	97
24) 1,1-Dichloroethane	5.01	63	1477041	9.899	ppbv	100
25) Ethyl Acetate	5.68	43	2513049	10.107	ppbv	99
26) Hexane	5.69	57	1143211	10.192	ppbv	99
27) Carbon Disulfide	4.54	76	1624708	10.721	ppbv	100
28) Methyl tert-Butyl Ether	5.03	73	1739187	10.846	ppbv	98
29) Chloroform	5.76	83	1880592	9.996	ppbv	98
30) Cyclohexane	7.15	84	921847	11.498	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1089751	11.145	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1850714	9.611	ppbv	100
34) 2-Butanone	5.24	43	1463282	9.933	ppbv	99
35) Carbon Tetrachloride	7.03	117	1913096	9.868	ppbv	98
36) Benzene	6.91	78	2177399	10.821	ppbv	99
37) 1,2-Dichloroethane	6.32	62	1438953	10.230	ppbv	100
38) Trichloroethene	7.86	130	926001	11.104	ppbv	96
39) 1,2-Dichloropropane	7.63	63	853373	10.630	ppbv	99
40) 1,4-Dioxane	7.85	88	338051m	10.693	ppbv	
41) Tetrahydrofuran	6.05	42	792681	10.978	ppbv	99
42) Bromodichloromethane	7.82	83	2002600	10.667	ppbv	98
43) Methyl Methacrylate	8.04	69	1011934	11.607	ppbv	99

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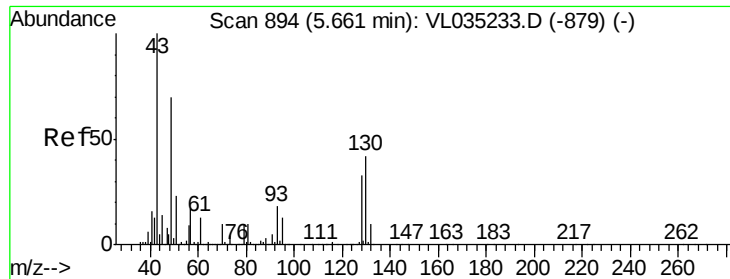
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3880309	10.945	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1112787	12.668	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1319316	12.328	ppbv	99
47) 1,1,2-Trichloroethane	9.51	97	976800	10.300	ppbv	95
48) Dibromochloromethane	10.34	129	1680795	11.253	ppbv	98
49) Bromoform	13.09	173	1517938	11.305	ppbv	100
50) 4-Methyl-2-Pentanone	8.77	43	2369998	11.101	ppbv	99
51) 2-Hexanone	10.17	43	1904673	11.765	ppbv #	99
52) Tetrachloroethene	11.27	164	841298m	10.958	ppbv	
53) Toluene	9.84	91	2629925	12.298	ppbv	100
54) 1,2-Dibromoethane	10.65	107	1479133	10.787	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.17	131	1309119	9.937	ppbv #	92
57) Chlorobenzene	12.19	112	2163217	10.034	ppbv	97
58) Ethyl Benzene	12.75	91	3632260	11.970	ppbv	100
59) m/p-Xylene	13.04	91	6213866m	21.996	ppbv	
60) o-Xylene	13.74	91	3157405	11.201	ppbv	99
61) Styrene	13.57	104	2158252	12.615	ppbv	99
62) Isopropylbenzene	14.72	105	4606754	10.981	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.73	83	2290128	9.442	ppbv	99
64) n-propylbenzene	15.62	120	1249878	11.205	ppbv	99
65) tert-Butylbenzene	16.80	119	4162902	10.953	ppbv	100
66) Benzyl Chloride	17.05	91	1593556	10.705	ppbv	99
67) sec-Butylbenzene	17.35	105	5918457	10.658	ppbv	100
69) p-Isopropyltoluene	17.71	119	4956533	10.941	ppbv	99
70) n-Butylbenzene	18.61	91	5190966	10.592	ppbv	99
71) 2-Chlorotoluene	15.51	91	3605975	11.399	ppbv	99
72) 4-Ethyltoluene	15.90	105	3710630	11.696	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3515495	11.363	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	3756521	10.430	ppbv	98
75) 1,3-Dichlorobenzene	17.05	146	2187599	9.407	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	2162433	10.280	ppbv	99
77) 1,2-Dichlorobenzene	17.88	146	2079159	9.982	ppbv	100
78) Hexachloro-1,3-Butadiene	23.44	225	1493723	8.761	ppbv	99
79) Naphthalene	22.28	128	2929536	10.228	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	862911	9.310	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	1693825	9.716	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

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ClientSampleId :

VL0731ABS01

Tot Ion: 49 Resp: 1193691

Ion Ratio Lower Upper

49 100

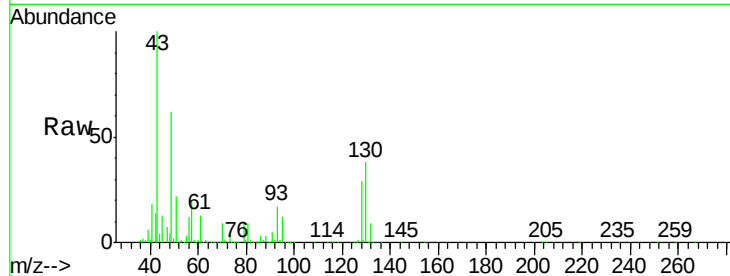
128 49.1 24.0 72.0

130 62.1 30.7 92.1

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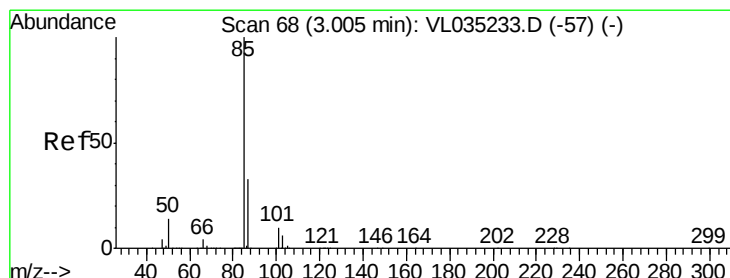
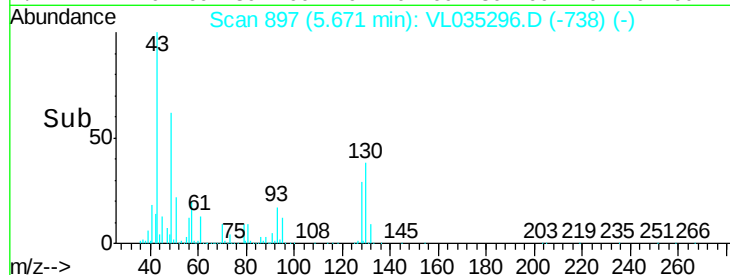
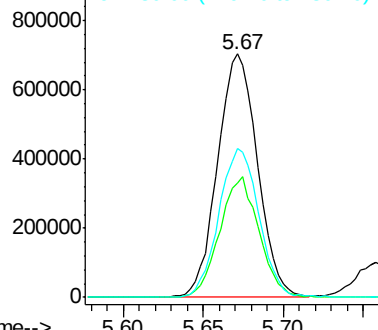
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.891 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035296.D

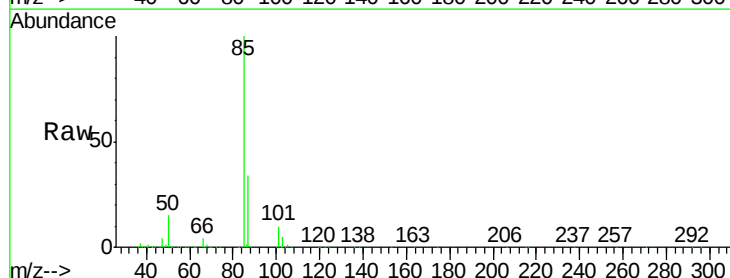
Acq: 31 Jul 2020 2:21

Tgt Ion: 85 Resp: 1410131

Ion Ratio Lower Upper

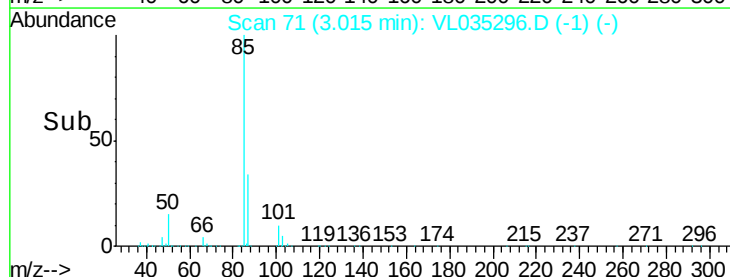
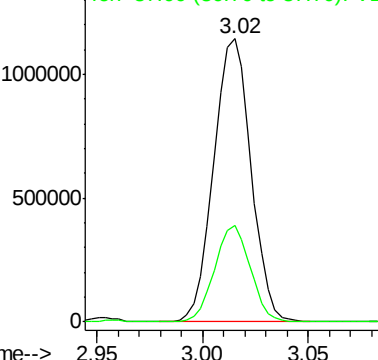
85 100

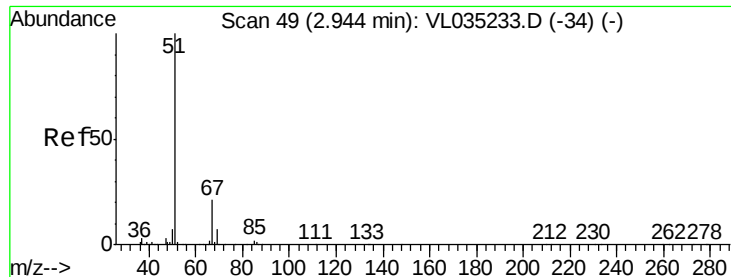
87 34.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.364 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 51 Resp: 1237359

Ion Ratio Lower Upper

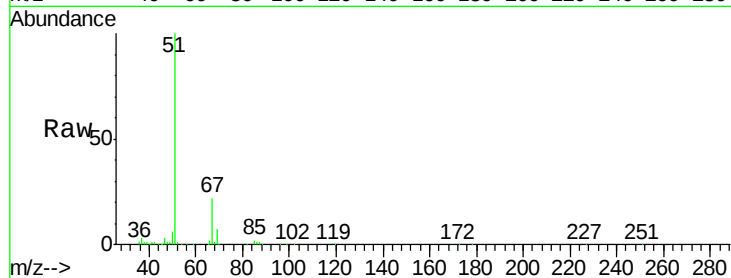
51 100

67 21.4 16.6 25.0

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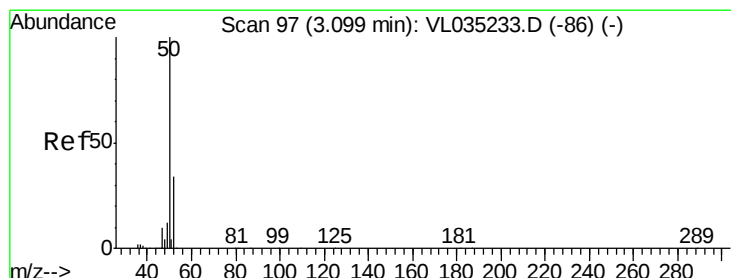
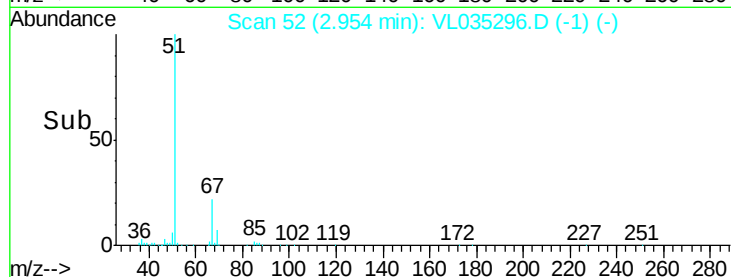
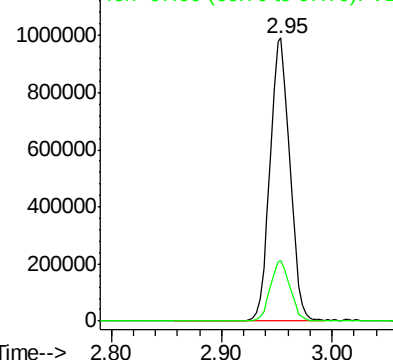
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.419 ppbv

RT: 3.11 min Scan# 99

Delta R.T. 0.01 min

Lab File: VL035296.D

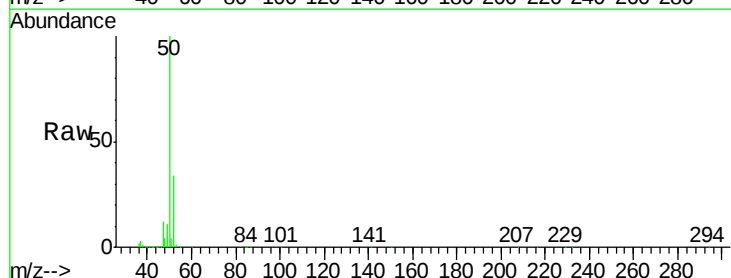
Acq: 31 Jul 2020 2:21

Tgt Ion: 50 Resp: 700357

Ion Ratio Lower Upper

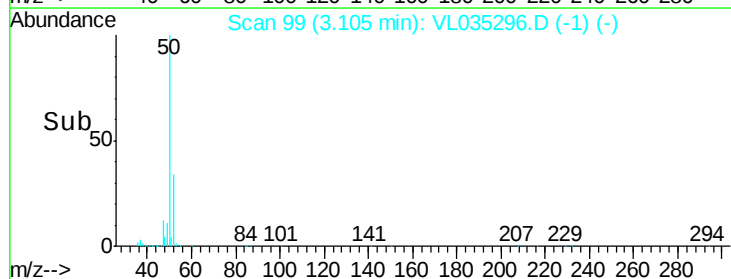
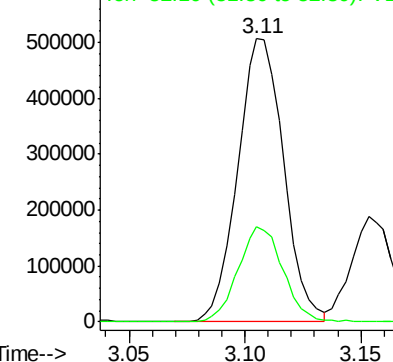
50 100

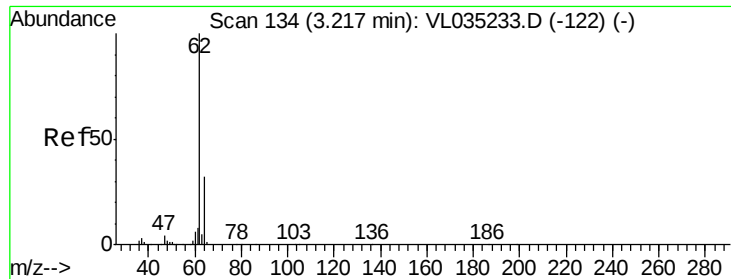
52 33.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.342 ppbv

RT: 3.23 min Scan# 137

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 62 Resp: 723581

Ion Ratio Lower Upper

62 100

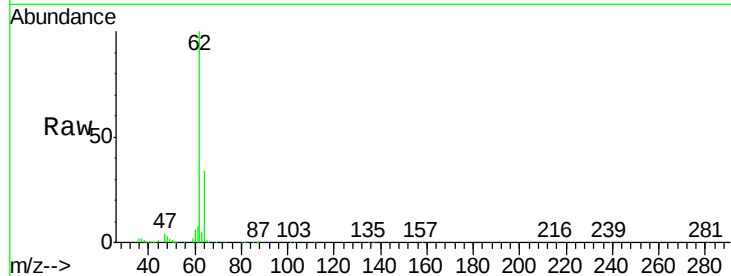
64 34.2 25.8 38.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.23

600000

500000

400000

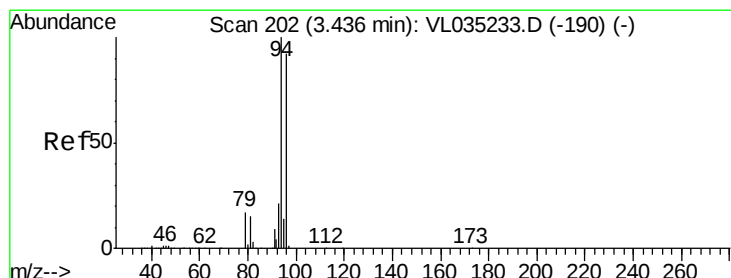
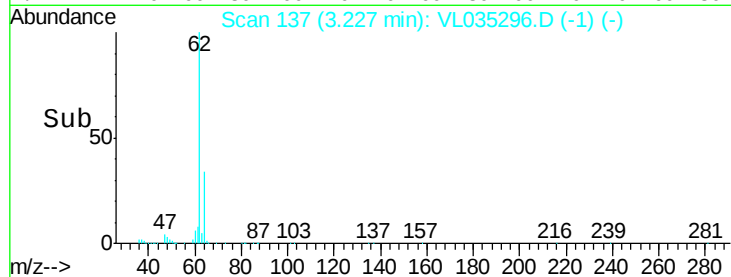
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.622 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.01 min

Lab File: VL035296.D

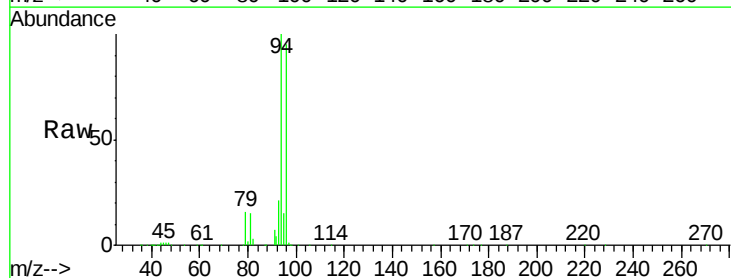
Acq: 31 Jul 2020 2:21

Tgt Ion: 94 Resp: 460344

Ion Ratio Lower Upper

94 100

96 94.7 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.44

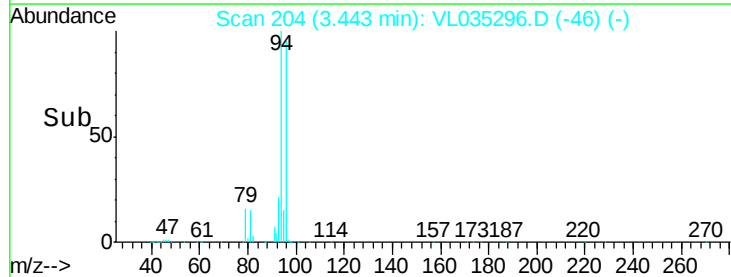
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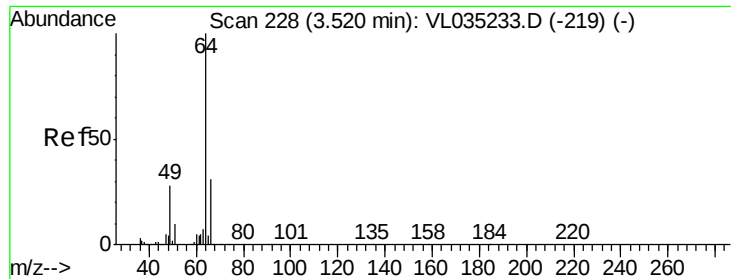
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.921 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 64 Resp: 277370

Ion Ratio Lower Upper

64 100

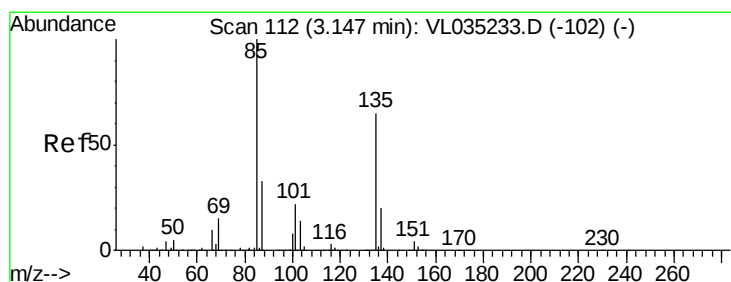
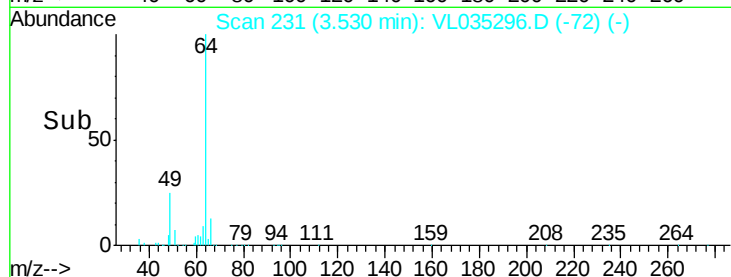
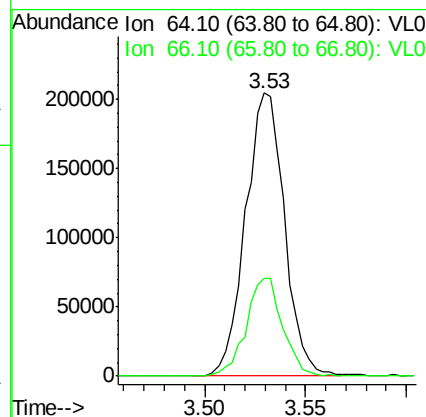
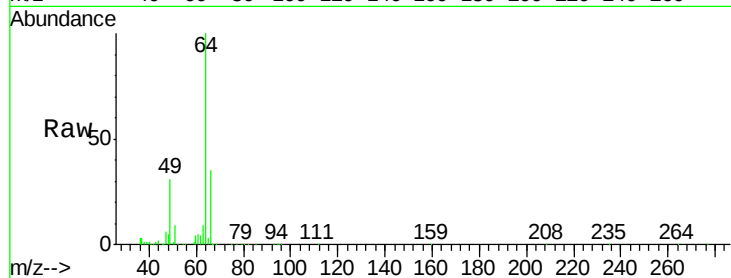
66 34.6 25.6 38.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.988 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.01 min

Lab File: VL035296.D

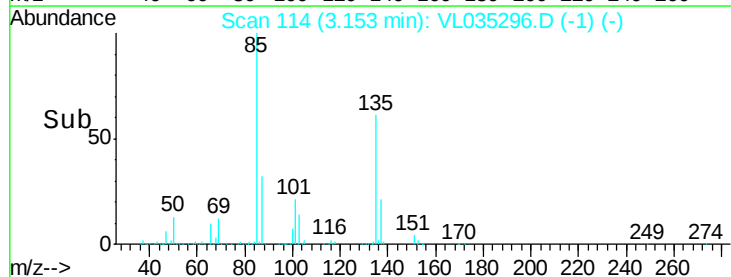
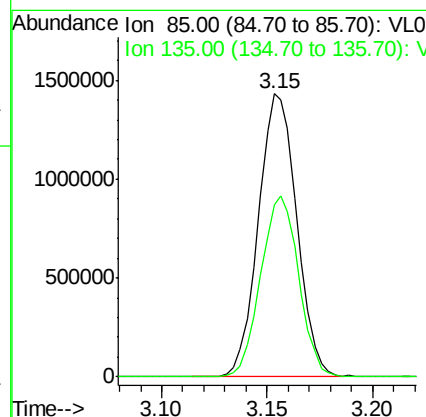
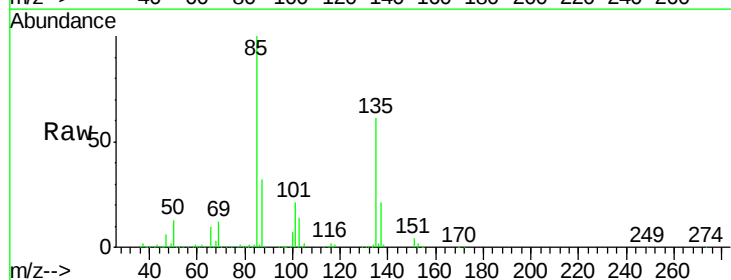
Acq: 31 Jul 2020 2:21

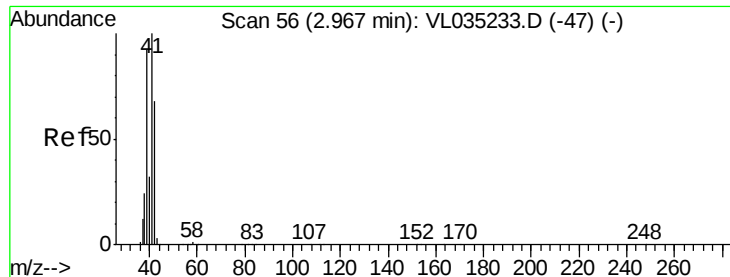
Tgt Ion: 85 Resp: 1806702

Ion Ratio Lower Upper

85 100

135 63.5 51.4 77.0





#9

Propene

Concen: 10.110 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 41 Resp: 465643

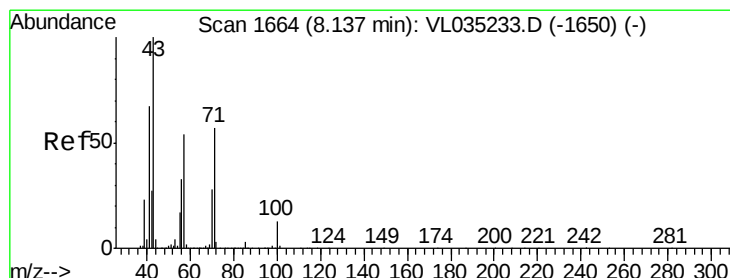
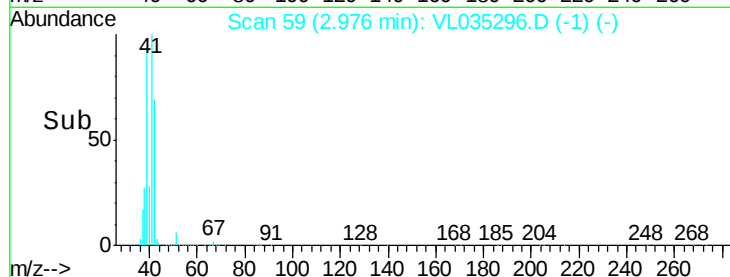
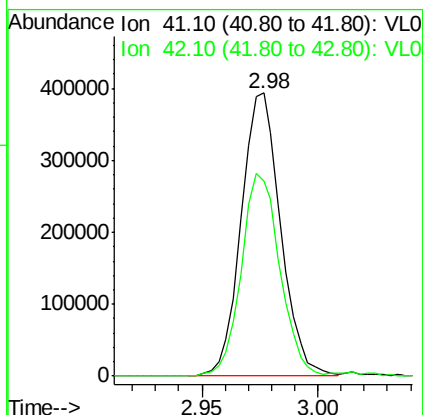
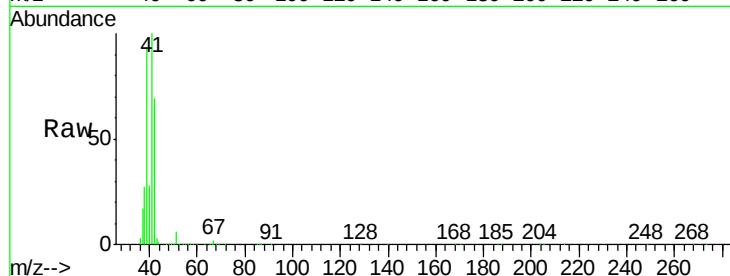
Ion Ratio Lower Upper

41 100

42 71.3 55.0 82.6

Manual Integrations
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#10

Heptane

Concen: 11.156 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.01 min

Lab File: VL035296.D

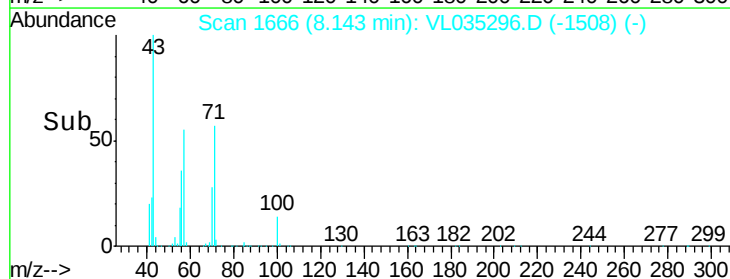
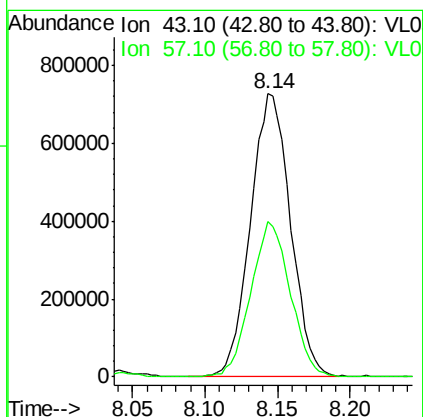
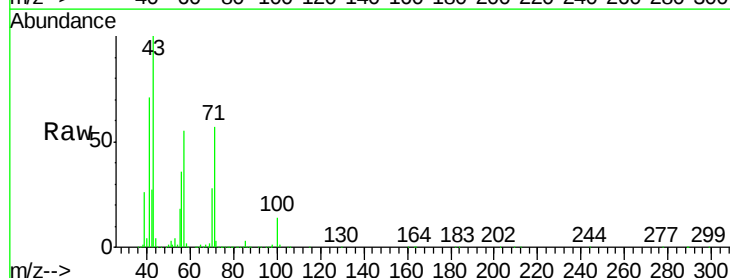
Acq: 31 Jul 2020 2:21

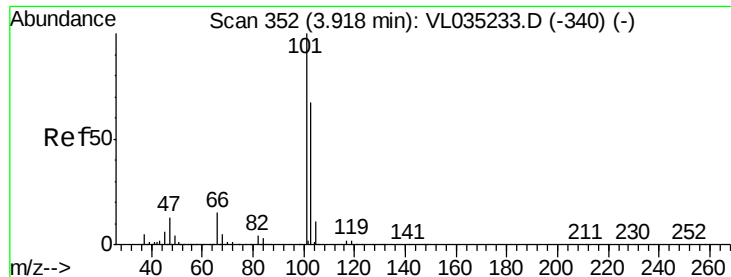
Tgt Ion: 43 Resp: 1390846

Ion Ratio Lower Upper

43 100

57 54.1 43.0 64.4





#11

Trichlorofluoromethane

Concen: 10.119 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion:101 Resp: 1940505

Ion Ratio Lower Upper

101 100

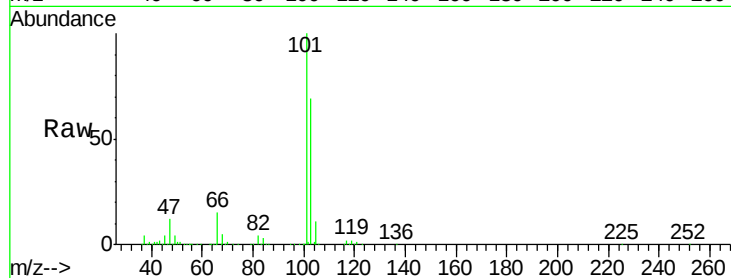
103 68.9 53.4 80.0

Manual Integrations

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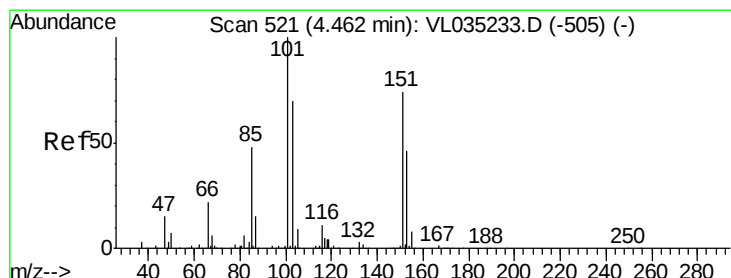
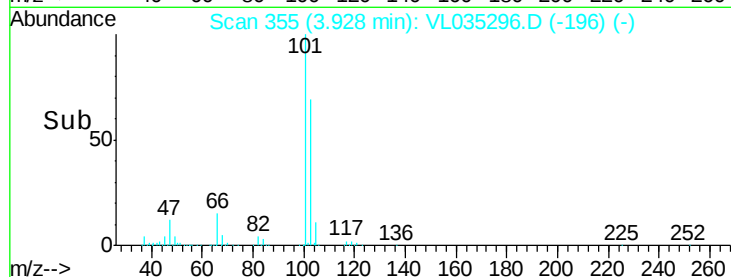
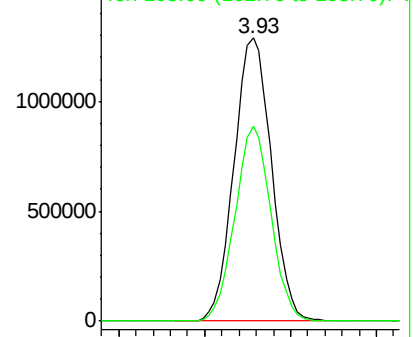
MMDadoda

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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: 10.026 ppbv

RT: 4.47 min Scan# 524

Delta R.T. 0.01 min

Lab File: VL035296.D

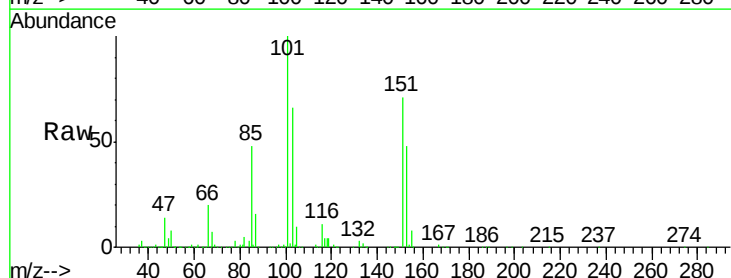
Acq: 31 Jul 2020 2:21

Tgt Ion:101 Resp: 1363471

Ion Ratio Lower Upper

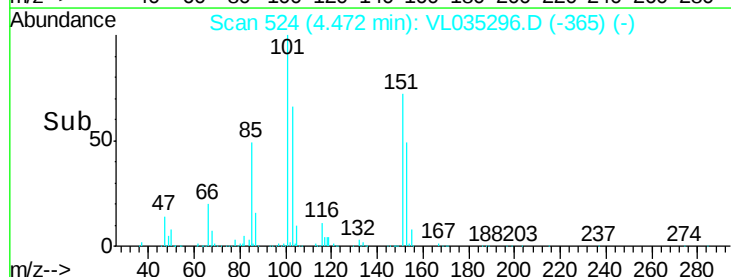
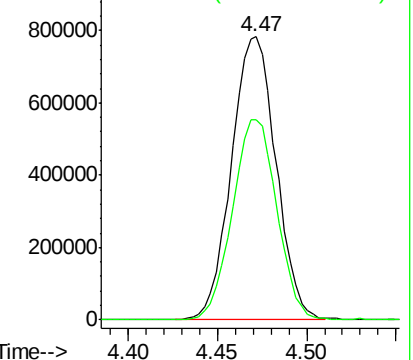
101 100

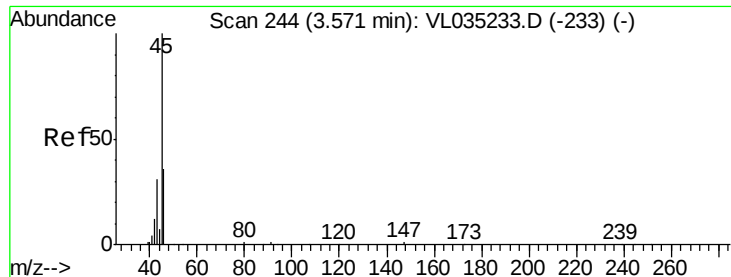
151 70.9 56.6 85.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





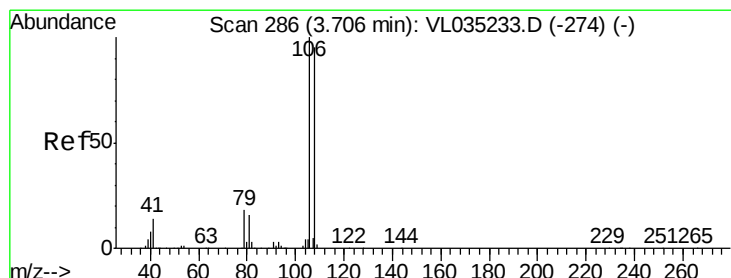
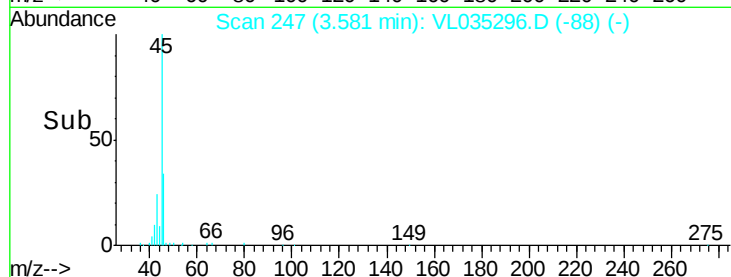
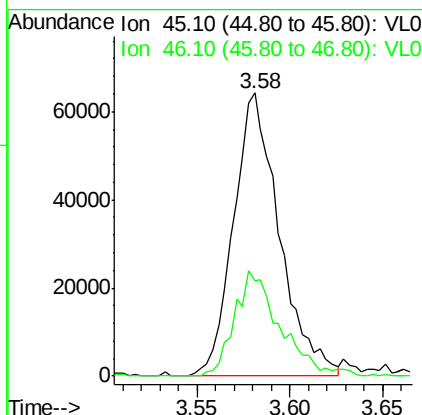
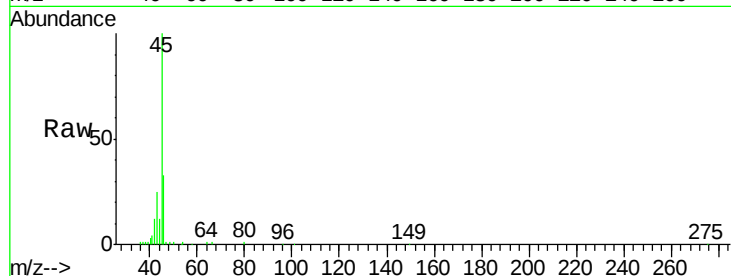
#13
Ethanol
Concen: 5.876 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.8	63.4

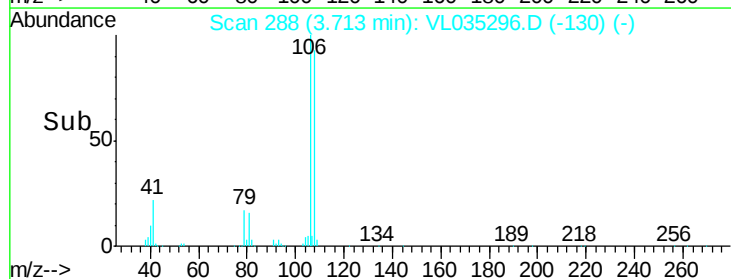
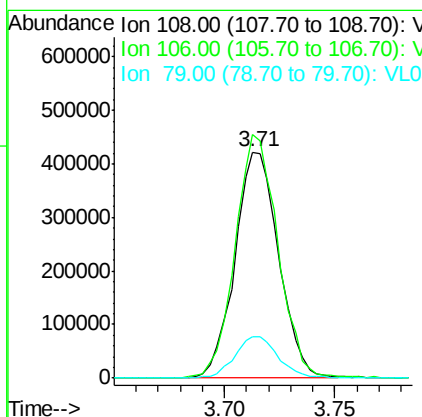
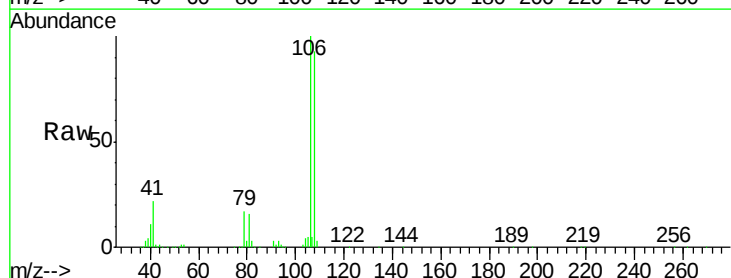
Manual Integrations
APPROVED

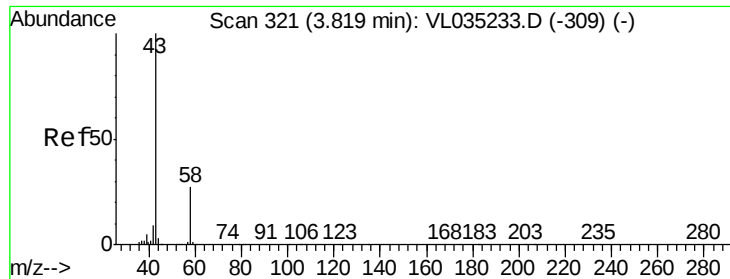
MMDadoda
8/3/2020 12:36:34 PM



#14
Bromoethene
Concen: 10.404 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.4	85.0	127.6
79	18.3	15.4	23.2





#15

Acetone

Concen: 8.931 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tot Ion: 43 Resp: 1421988

Ion Ratio Lower Upper

43 100

58 26.9 21.8 32.6

Instrument :

MSVOA_L

ClientSampleId :

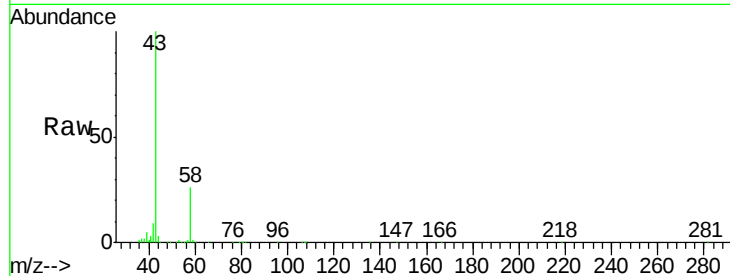
VL0731ABS01

Manual Integrations

APPROVED

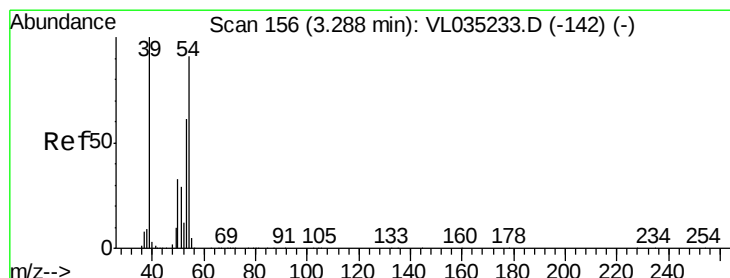
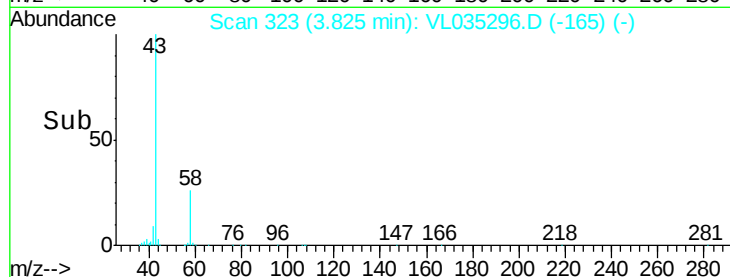
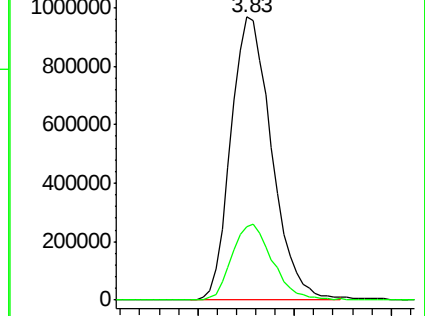
MMDadoda

8/3/2020 12:36:34 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.192 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.01 min

Lab File: VL035296.D

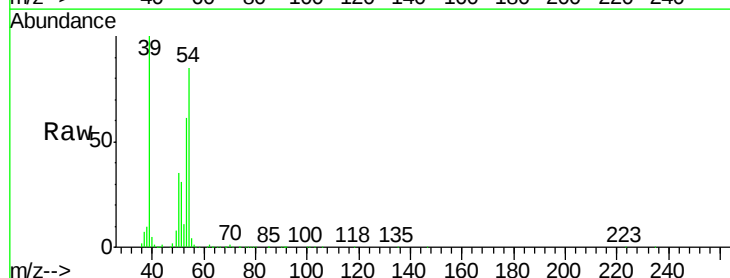
Acq: 31 Jul 2020 2:21

Tgt Ion: 39 Resp: 633035

Ion Ratio Lower Upper

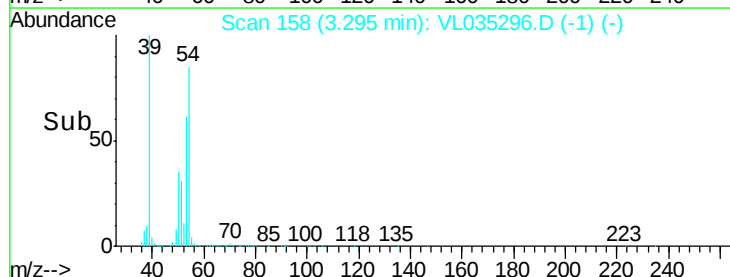
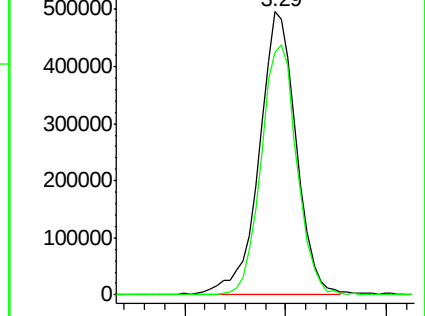
39 100

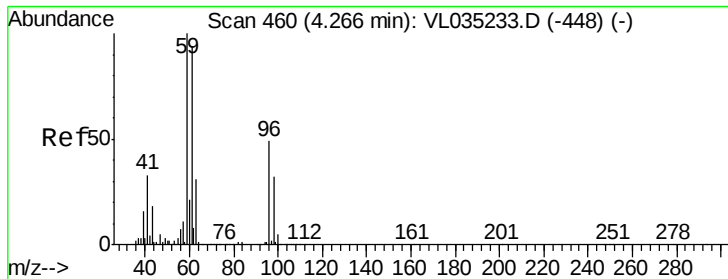
54 86.0 68.2 102.2



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

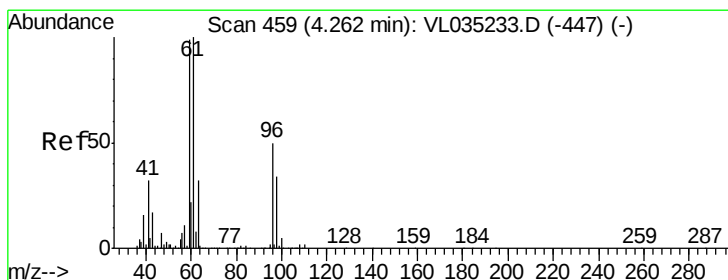
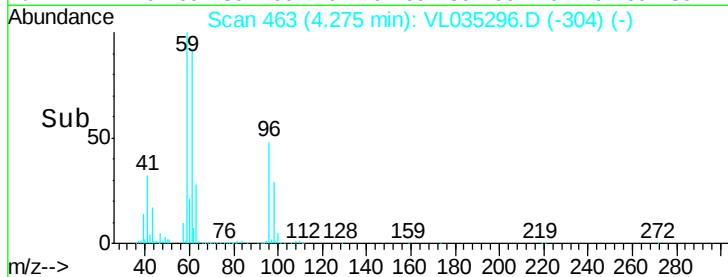
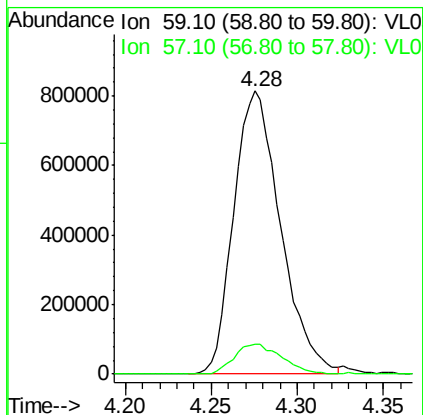
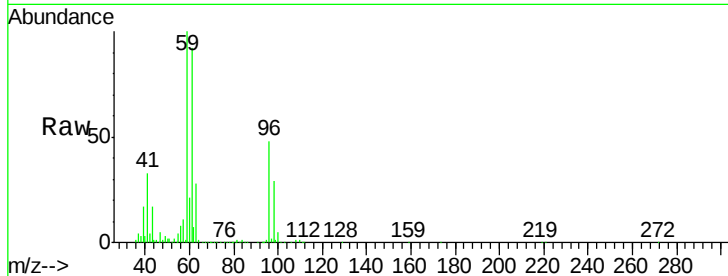
tert-Butyl alcohol
Concen: 10.012 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion: 59 Resp: 1538546
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8

Manual Integrations
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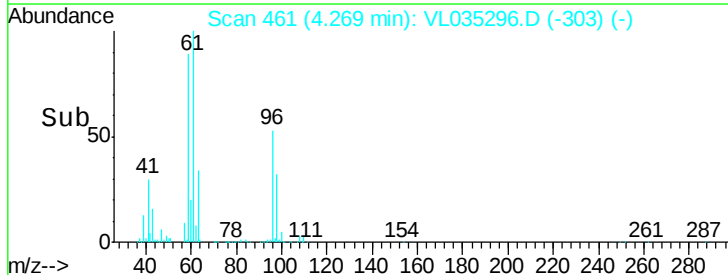
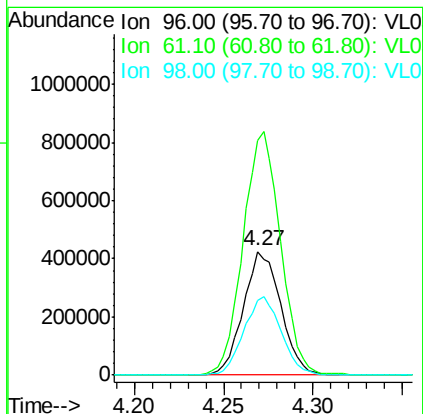
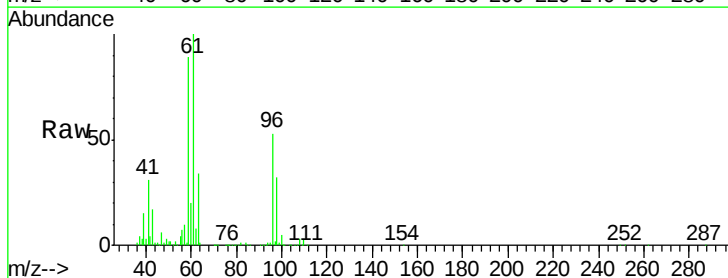
MMDadoda
8/3/2020 12:36:34 PM

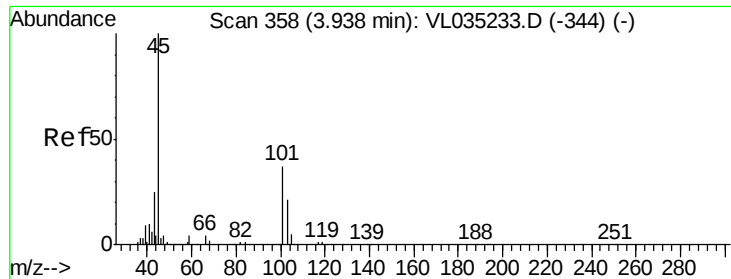


#18

1,1-Dichloroethene
Concen: 10.382 ppbv
RT: 4.27 min Scan# 461
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 96 Resp: 626914
Ion Ratio Lower Upper
96 100
61 189.7 159.4 239.2
98 60.0 53.9 80.9





#19

Isopropyl Alcohol

Concen: 9.059 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 45 Resp: 951333

Ion Ratio Lower Upper

45 100

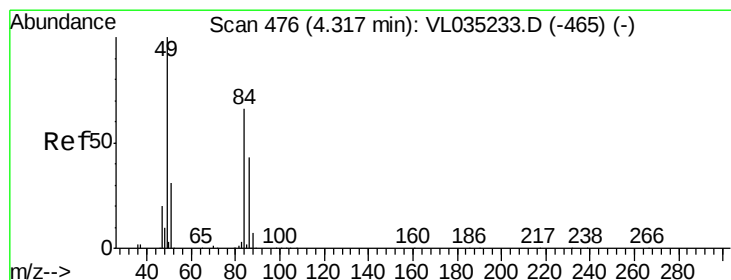
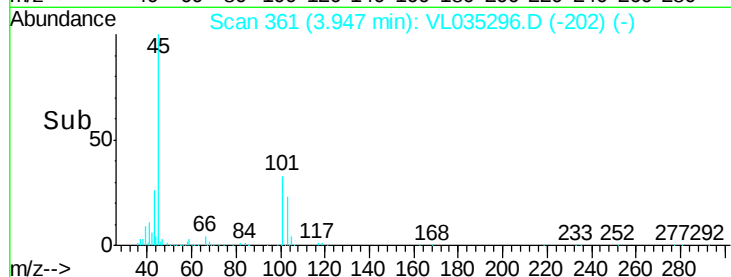
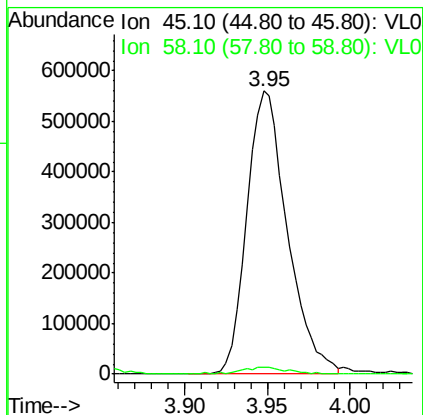
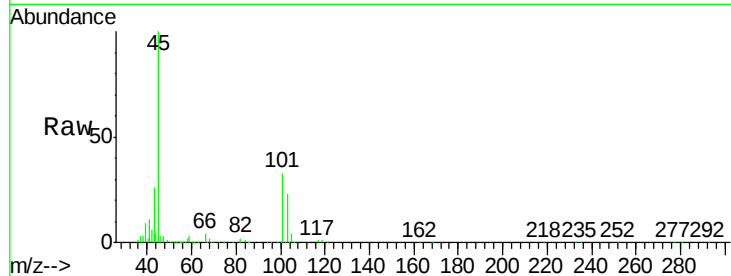
58 3.2 1.9 2.9#

Manual Integrations

APPROVED

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8/3/2020 12:36:34 PM



#20

Methylene Chloride

Concen: 8.061 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion: 84 Resp: 584243

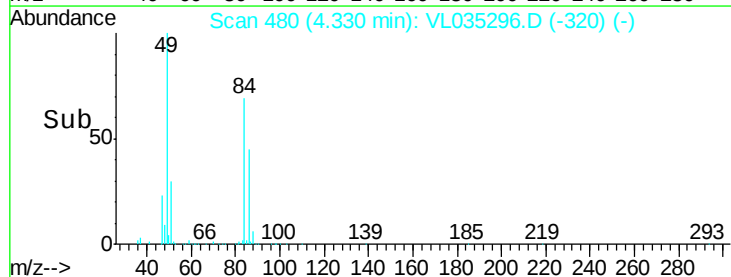
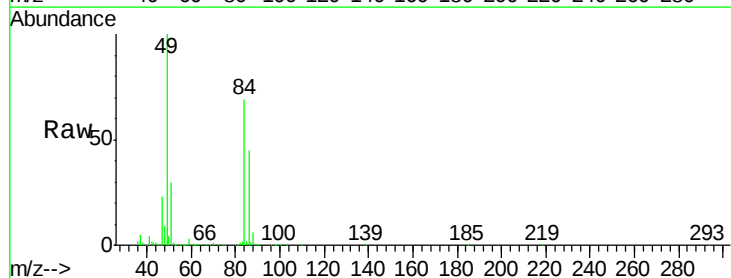
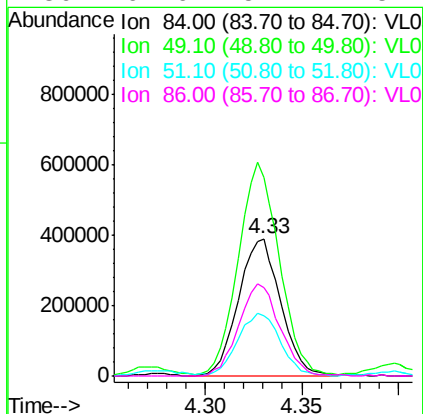
Ion Ratio Lower Upper

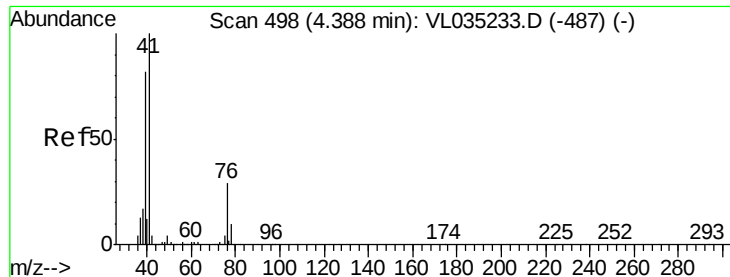
84 100

49 144.0 121.0 181.4

51 44.0 37.7 56.5

86 64.6 52.2 78.4





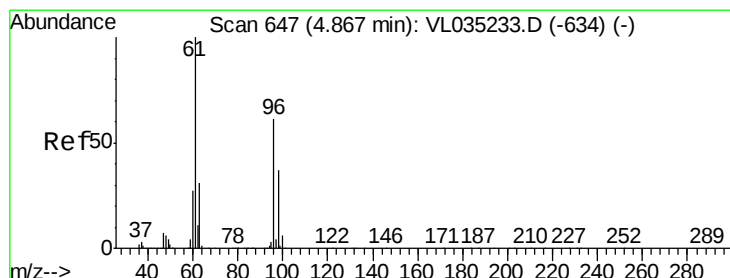
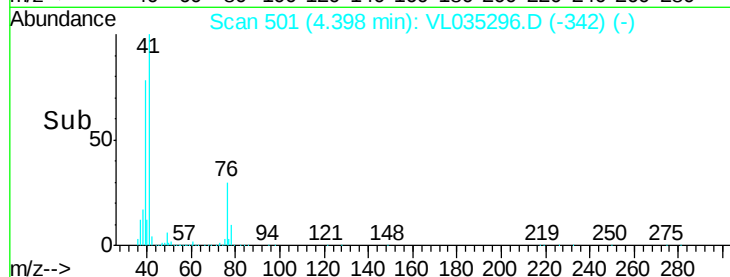
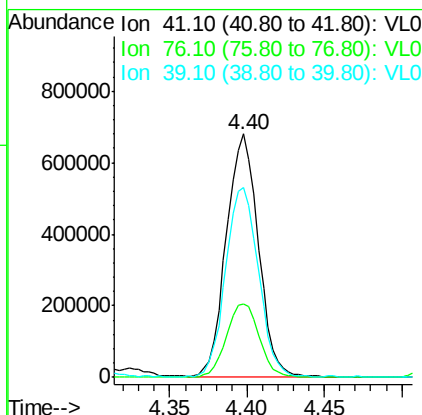
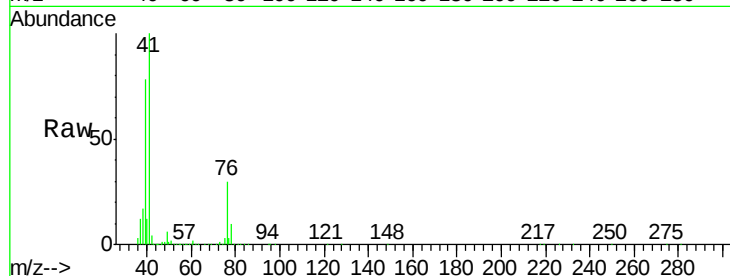
#21
Allvl Chloride
Concen: 10.676 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	31.2	24.4	36.6
39	80.2	63.8	95.8

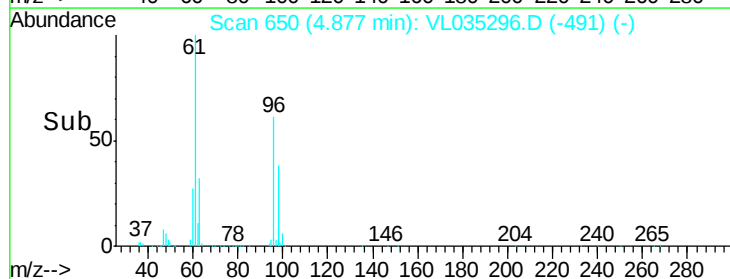
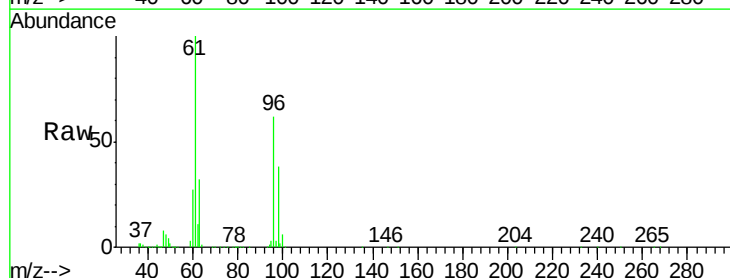
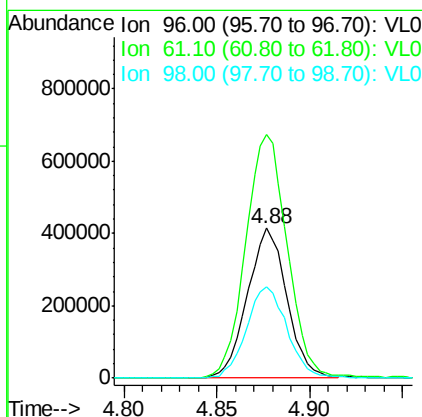
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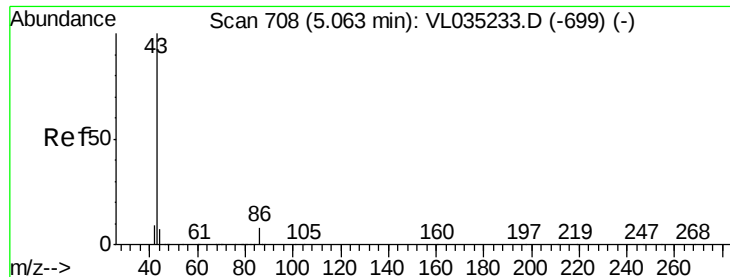
MMDadoda
8/3/2020 12:36:34 PM



#22
trans-1,2-Dichloroethene
Concen: 10.583 ppbv
RT: 4.88 min Scan# 650
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	131.6	197.4
98	61.2	49.0	73.4





#23

Vinyl Acetate

Concen: 10.635 ppbv

RT: 5.07 min Scan# 709

Delta R.T. 0.00 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 43 Resp: 1701443

Ion Ratio Lower Upper

43 100

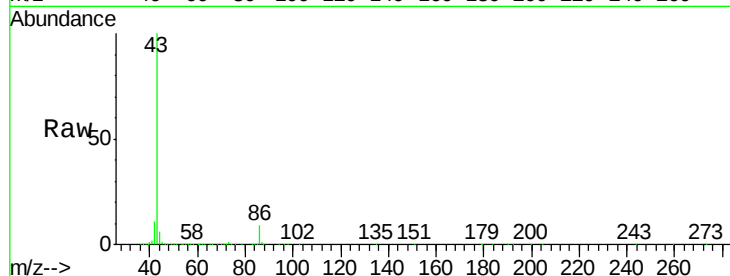
86 9.1 6.2 9.2

42 11.3 8.0 12.0

44 5.7 5.2 7.8

Manual Integrations
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8/3/2020 12:36:34 PM

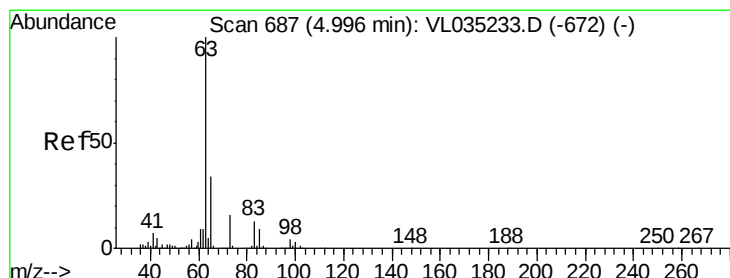
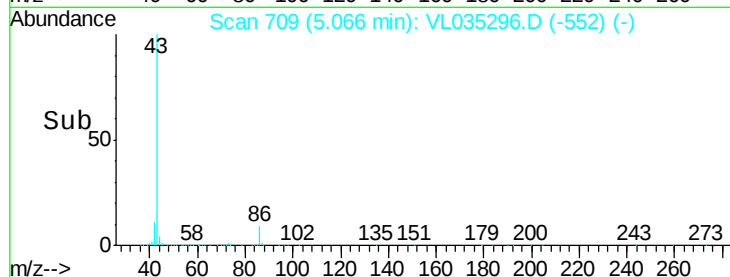
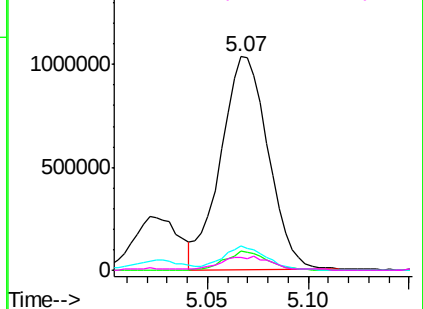


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.899 ppbv

RT: 5.01 min Scan# 690

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

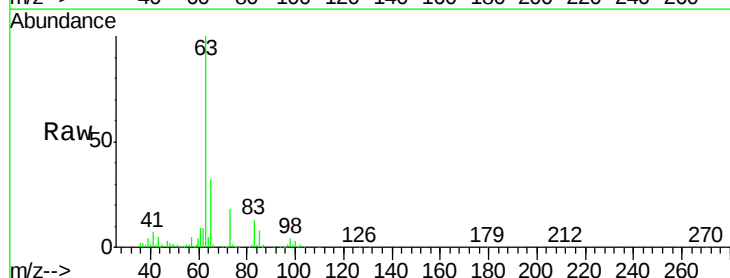
Tgt Ion: 63 Resp: 1477041

Ion Ratio Lower Upper

63 100

98 3.9 1.9 5.7

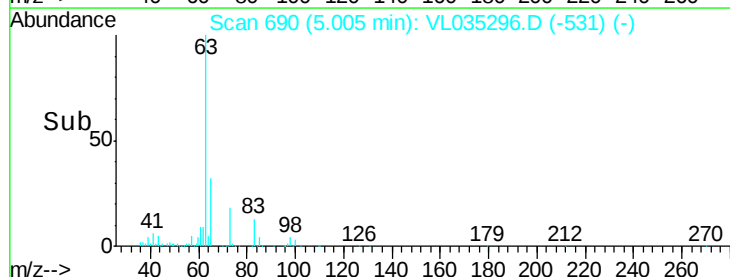
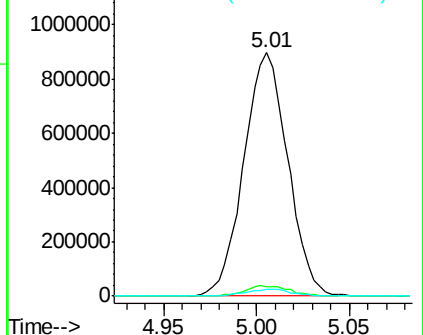
100 3.0 1.4 4.2

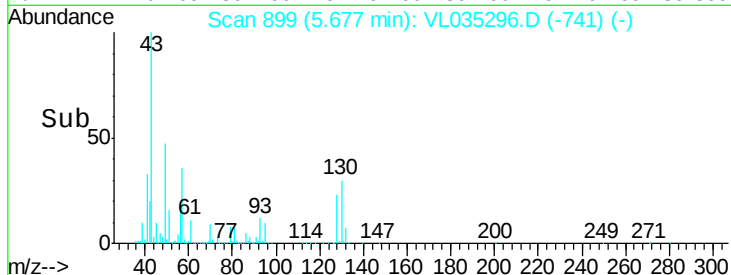
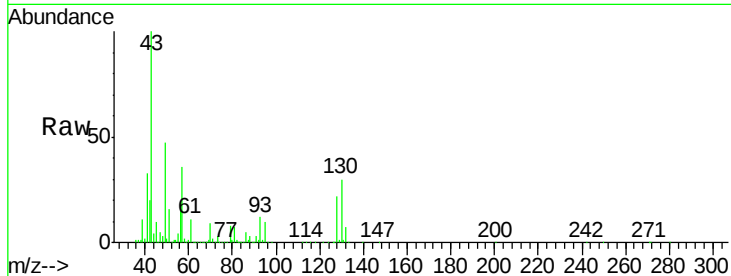
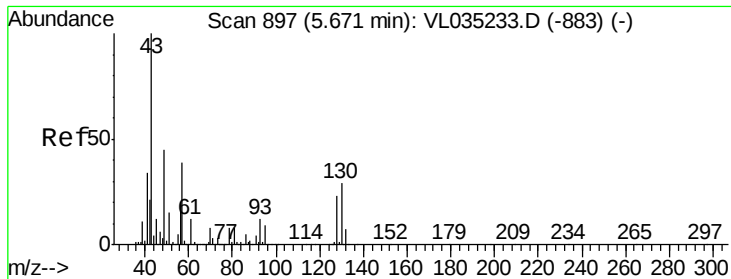


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

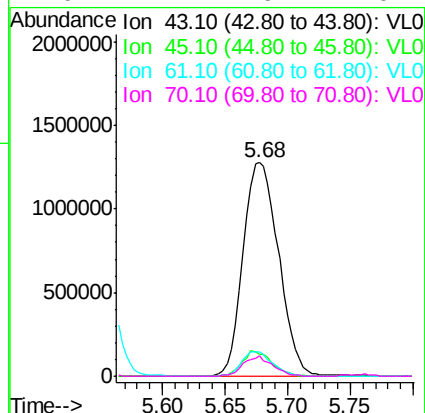
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 10.107 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

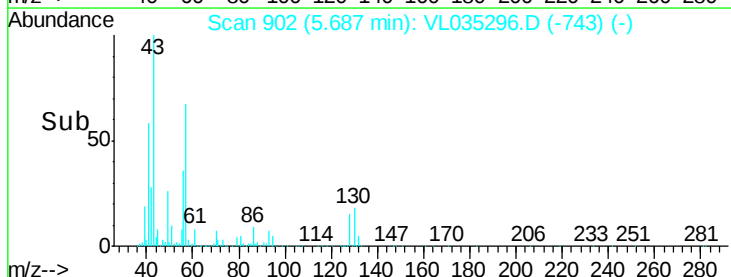
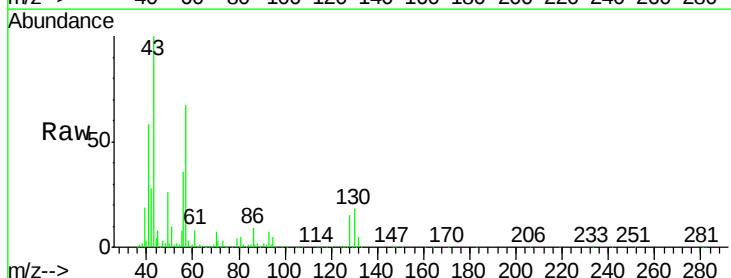
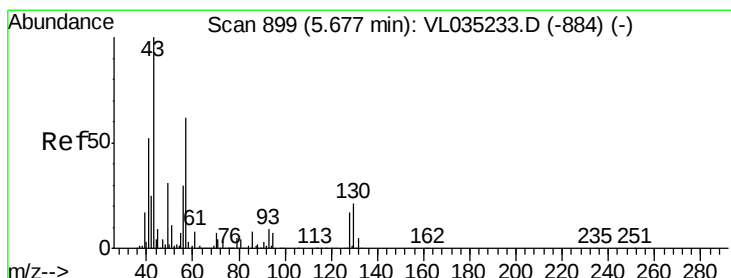
Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	10.0	8.5	12.7
61	61	10.2	8.1	12.1
70	70	7.7	6.2	9.4



Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

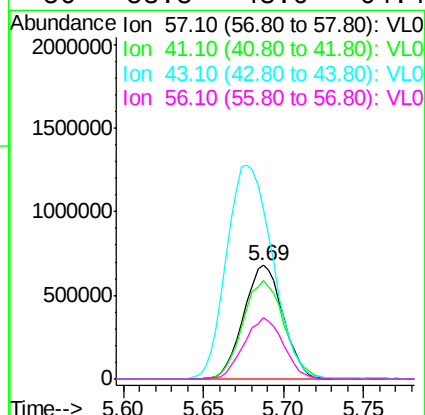
Manual Integrations
APPROVED

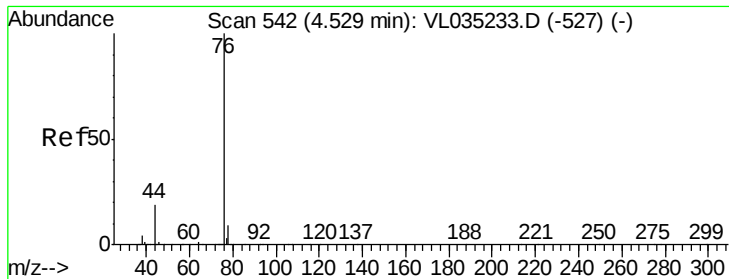
MMDadoda
8/3/2020 12:36:34 PM



#26
Hexane
Concen: 10.192 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	91.6	73.9	110.9
43	43	220.4	177.6	266.4
56	56	53.8	43.0	64.4





#27

Carbon Disulfide

Concen: 10.721 ppbv

RT: 4.54 min Scan# 544

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 76 Resp: 1624708

Ion Ratio Lower Upper

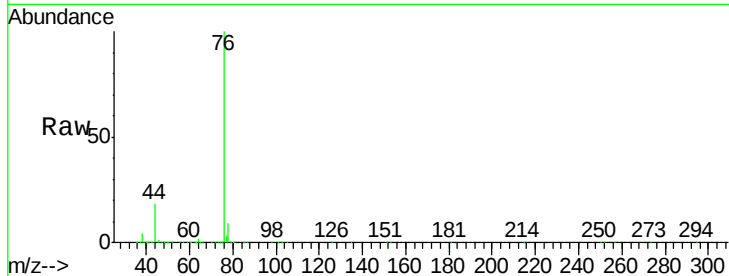
76 100

44 18.3 14.7 22.1

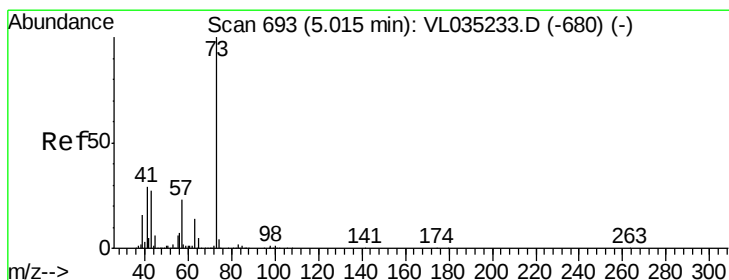
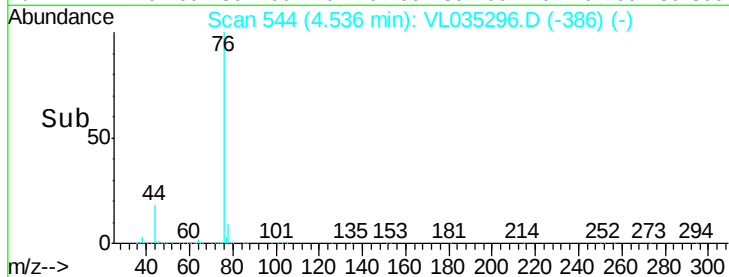
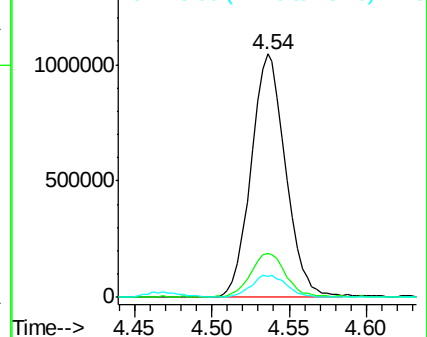
78 9.2 7.6 11.4

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.846 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL035296.D

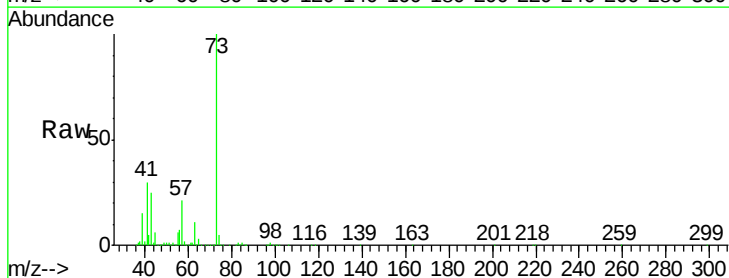
Acq: 31 Jul 2020 2:21

Tgt Ion: 73 Resp: 1739187

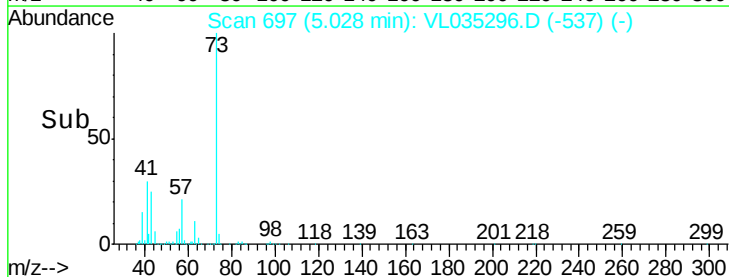
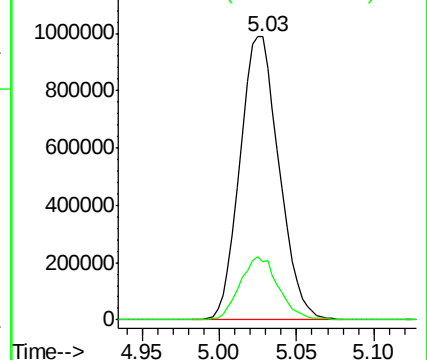
Ion Ratio Lower Upper

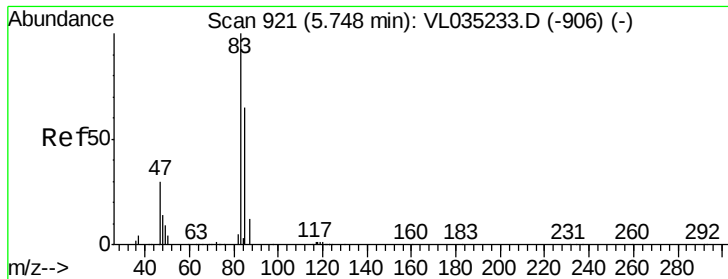
73 100

57 22.0 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





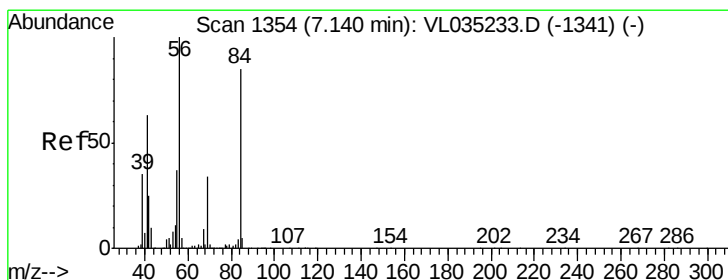
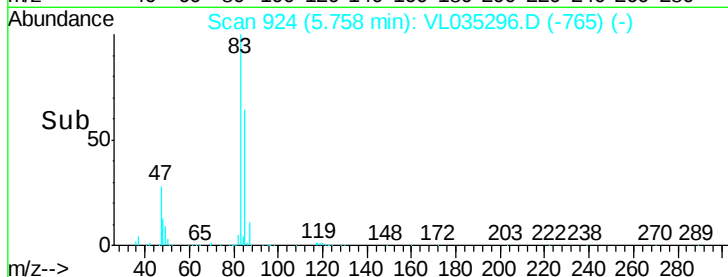
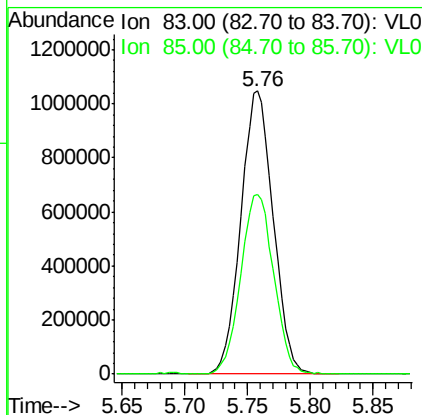
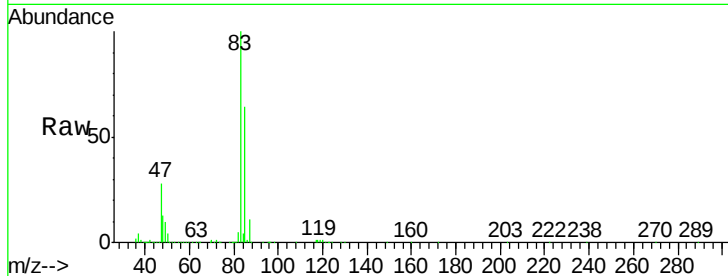
#29
Chloroform
Concen: 9.996 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion: 83 Resp: 1880592
Ion Ratio Lower Upper
83 100
85 63.3 51.7 77.5

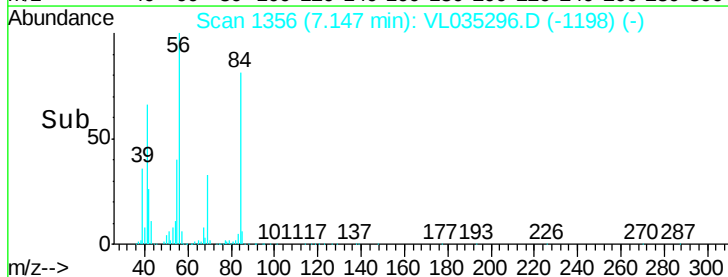
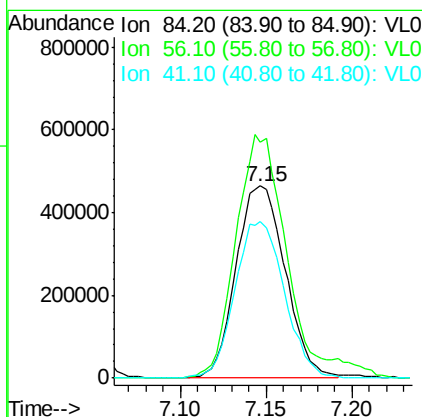
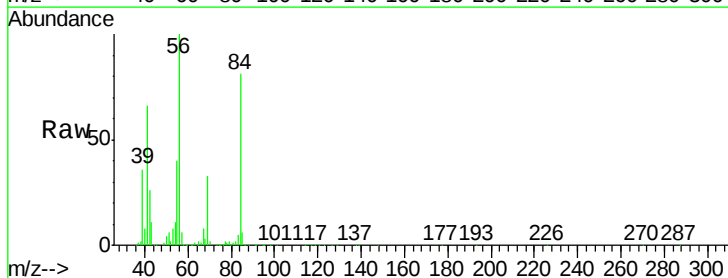
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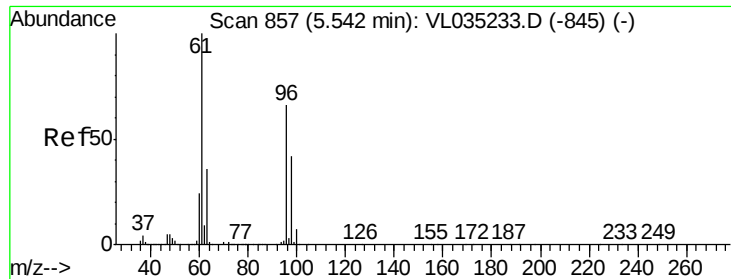
MMDadoda
8/3/2020 12:36:34 PM



#30
Cyclohexane
Concen: 11.498 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 84 Resp: 921847
Ion Ratio Lower Upper
84 100
56 133.3 104.2 156.2
41 82.1 63.7 95.5





#31

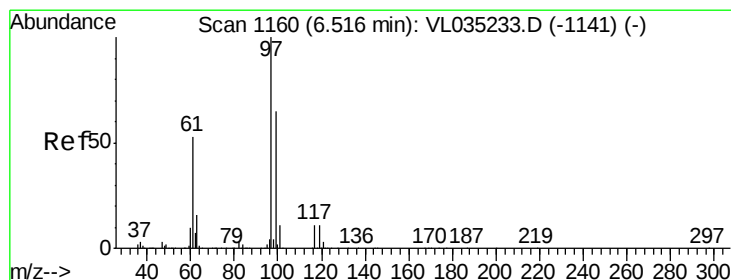
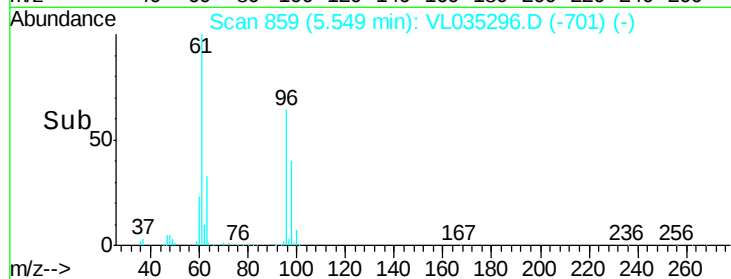
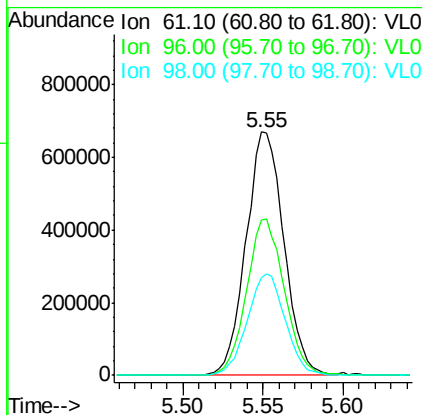
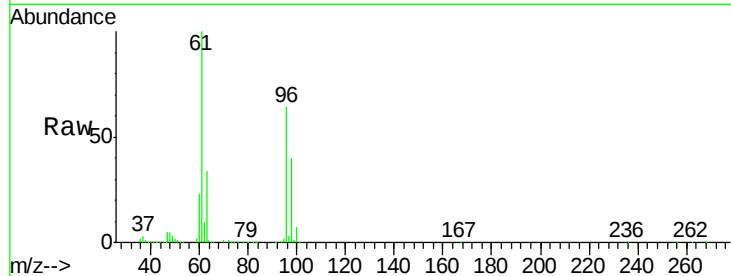
cis-1,2-Dichloroethene
 Concen: 11.145 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	63.6	52.6	78.8
98	40.2	33.7	50.5

Manual Integrations
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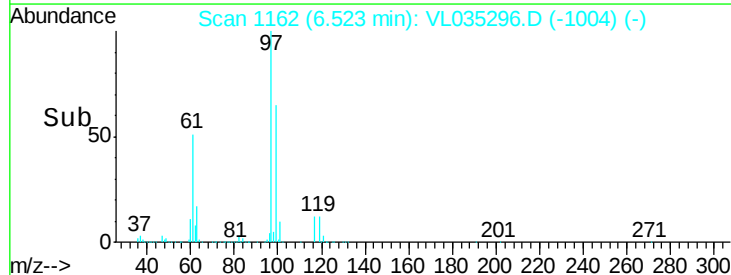
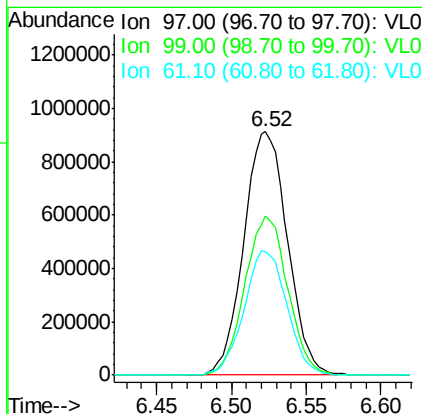
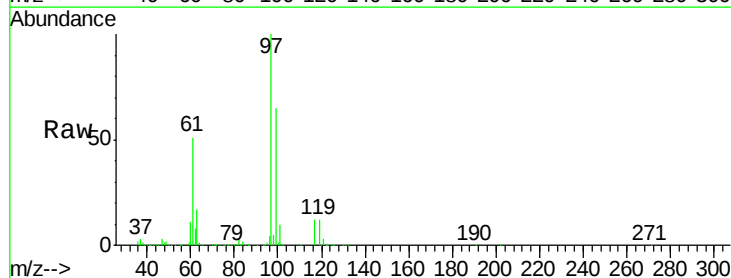
MMDadoda
 8/3/2020 12:36:34 PM

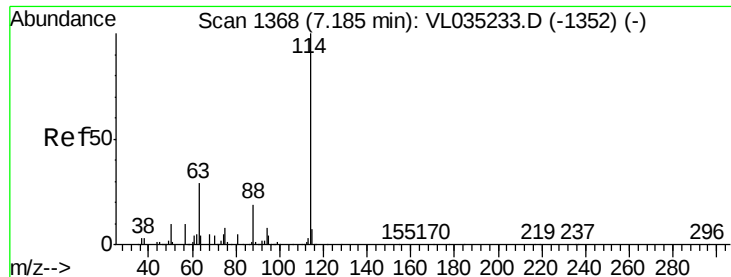


#32

1,1,1-Trichloroethane
 Concen: 9.611 ppbv
 RT: 6.52 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.0
61	50.3	40.4	60.6





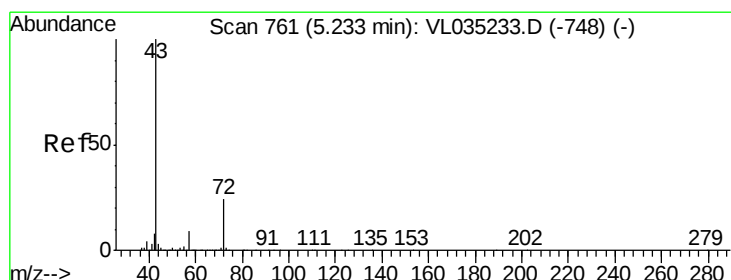
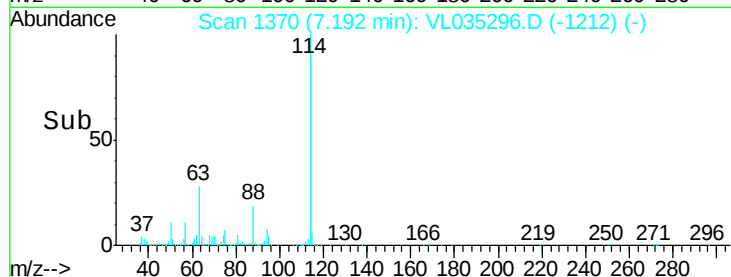
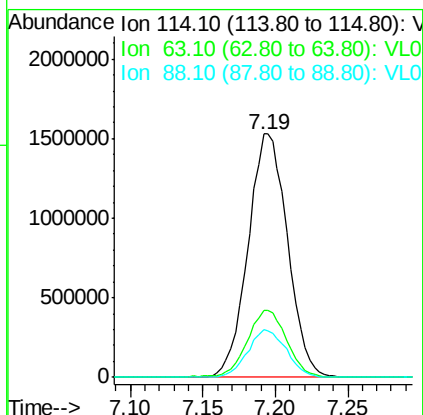
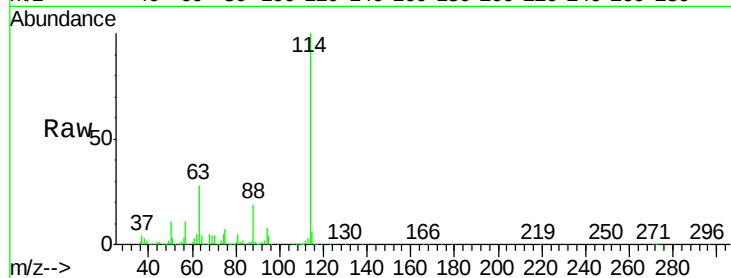
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.2	33.2
88	19.3	15.4	23.0

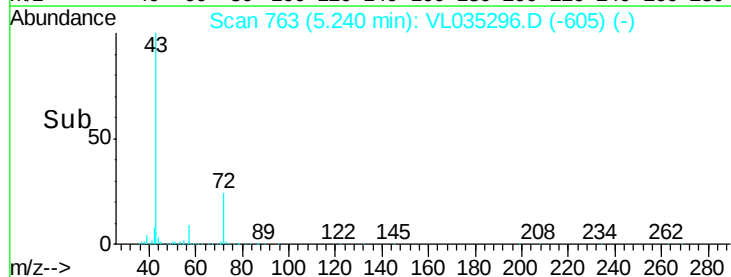
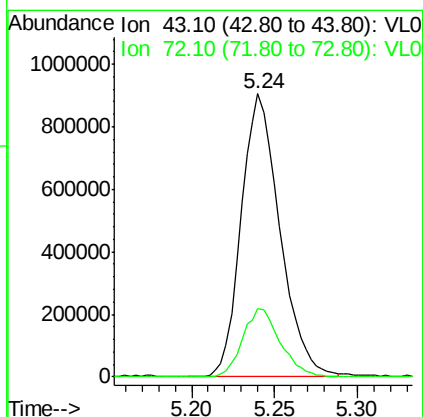
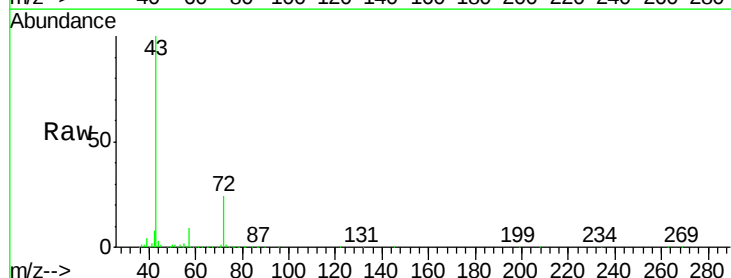
Manual Integrations
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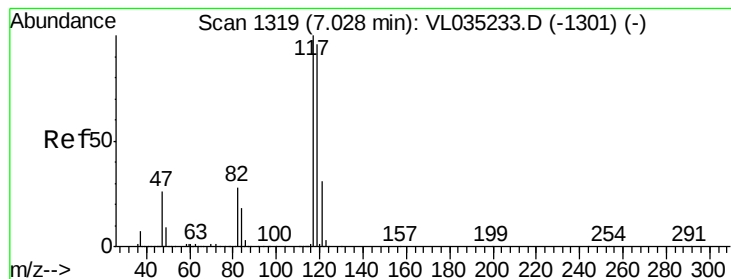
MMDadoda
 8/3/2020 12:36:34 PM



#34
 2-Butanone
 Concen: 9.933 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	19.2	28.8





#35

Carbon Tetrachloride

Concen: 9.868 ppbv

RT: 7.03 min Scan# 1321

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion:117 Resp: 1913096

Ion Ratio Lower Upper

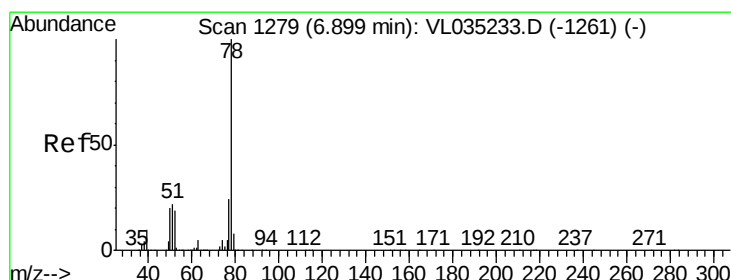
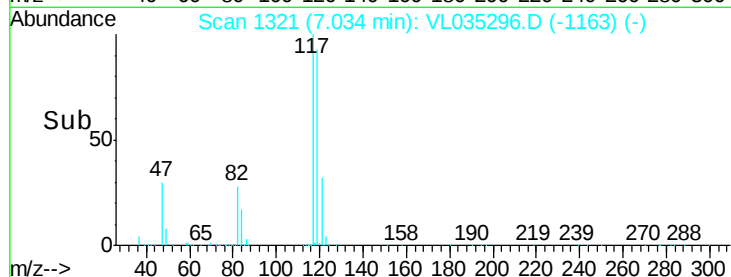
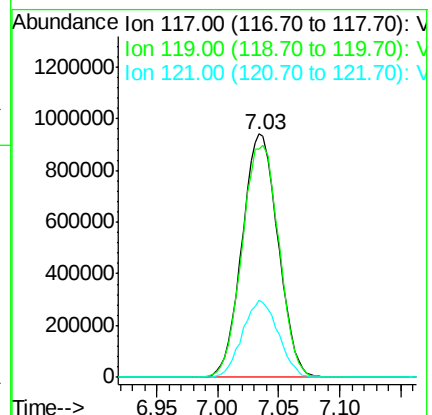
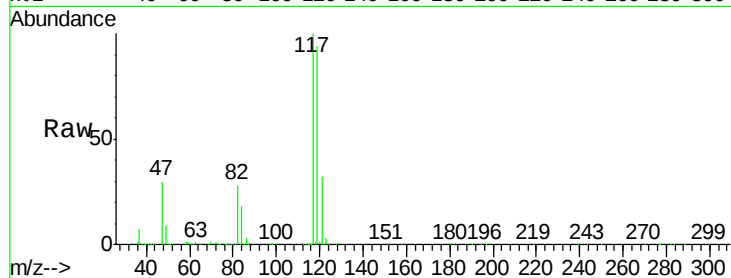
117 100

119 93.9 76.8 115.2

121 31.9 24.5 36.7

Manual Integrations
APPROVED

MMDadoda
8/3/2020 12:36:34 PM



#36

Benzene

Concen: 10.821 ppbv

RT: 6.91 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

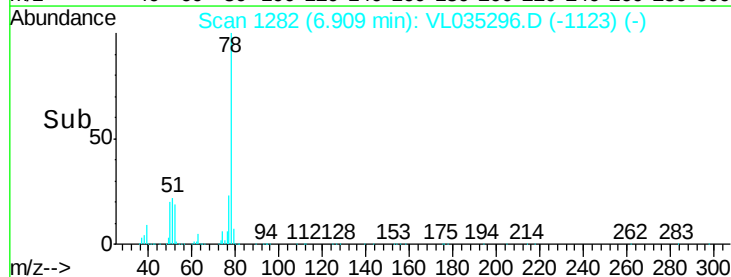
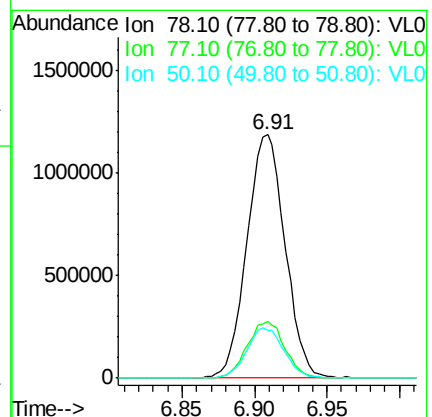
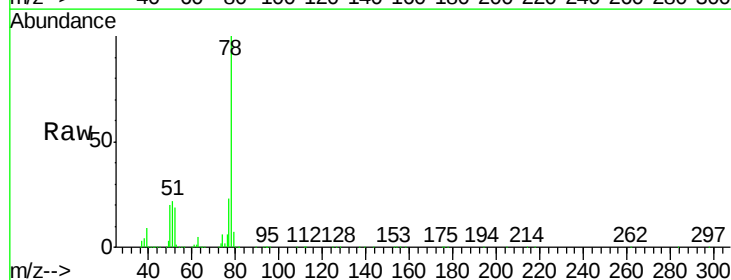
Tgt Ion: 78 Resp: 2177399

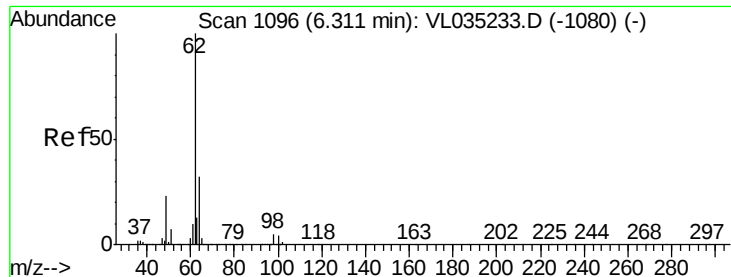
Ion Ratio Lower Upper

78 100

77 23.2 18.9 28.3

50 19.5 16.1 24.1





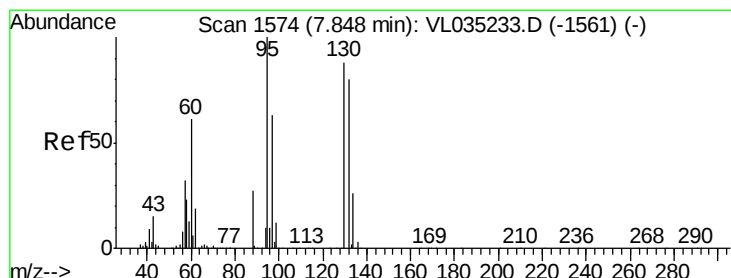
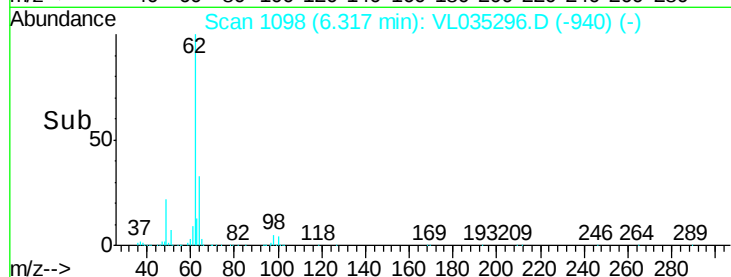
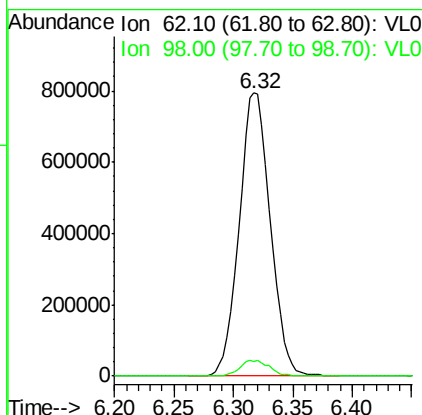
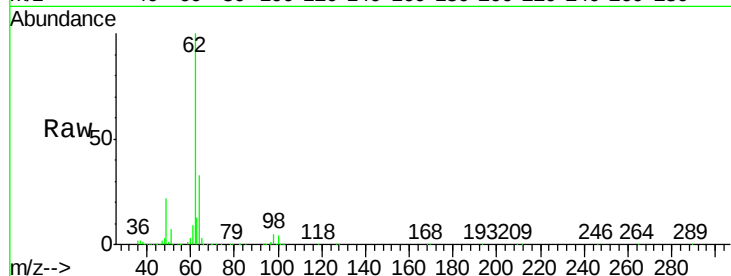
#37
 1,2-Dichloroethane
 Concen: 10.230 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.5	6.7

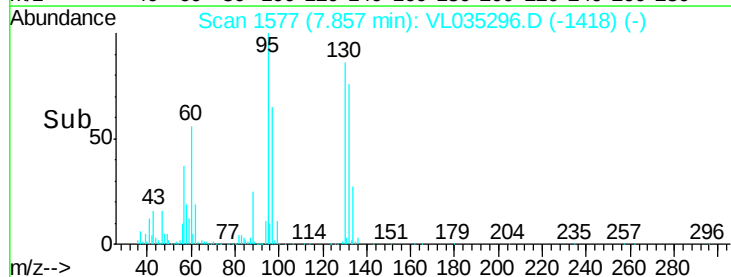
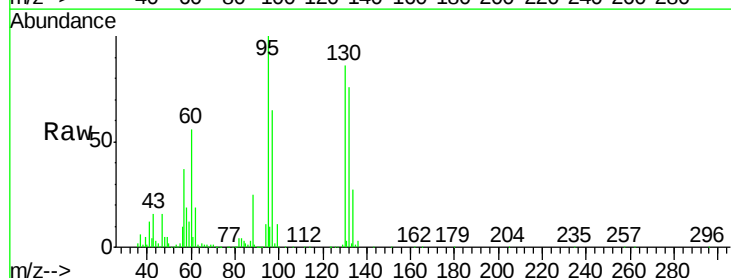
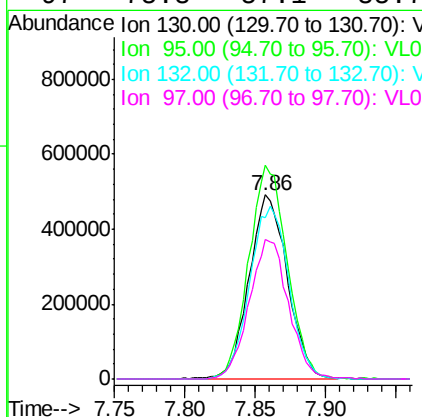
Manual Integrations
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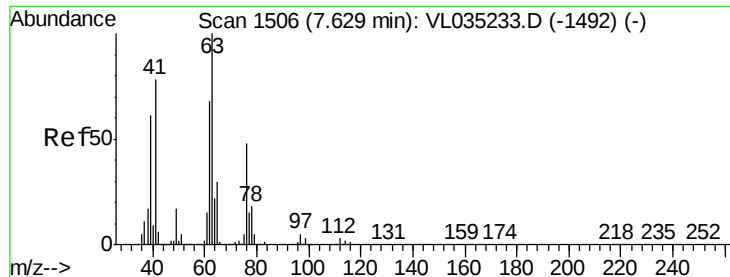
MMDadoda
 8/3/2020 12:36:34 PM



#38
 Trichloroethene
 Concen: 11.104 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.3	90.7	136.1
132	87.9	72.9	109.3
97	75.8	57.1	85.7





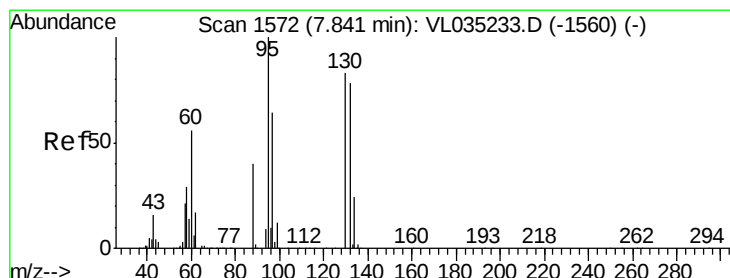
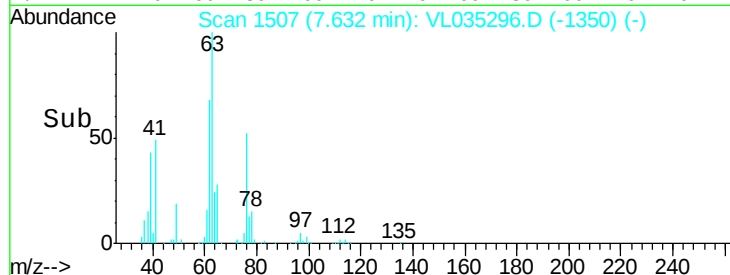
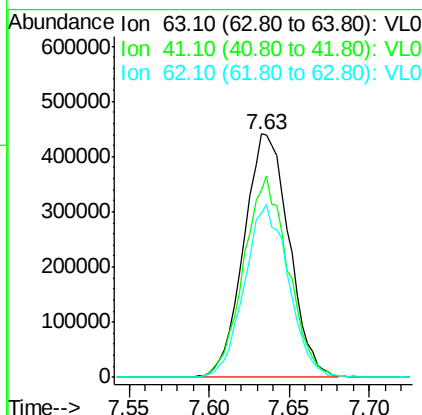
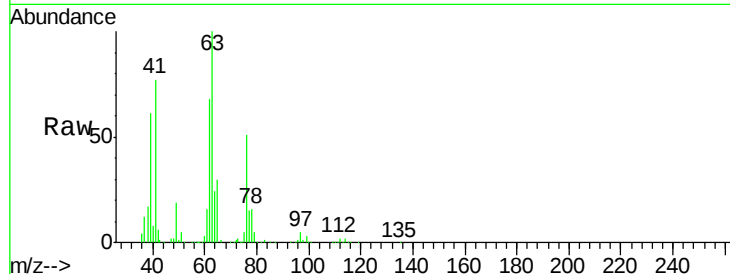
#39
 1,2-Dichloropropane
 Concen: 10.630 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	76.9	62.2	93.4
62	67.4	54.2	81.2

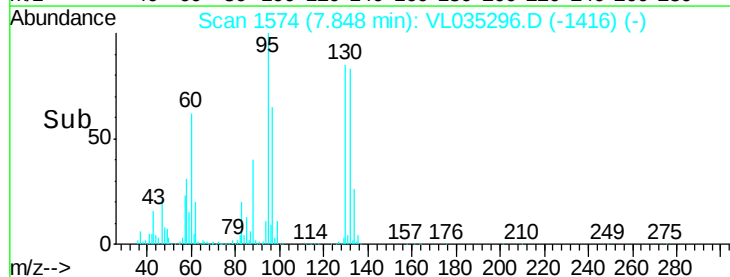
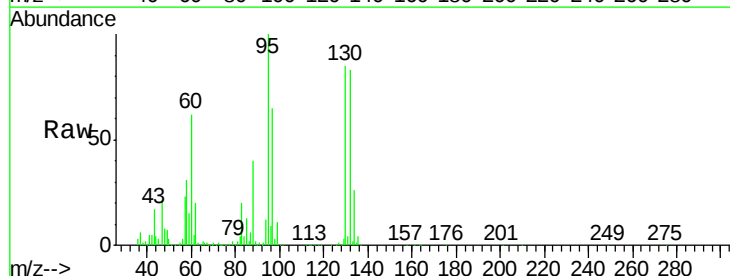
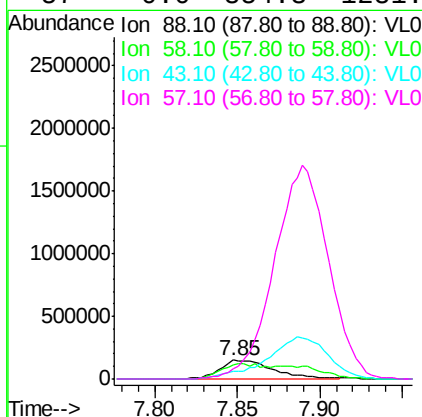
Manual Integrations
 APPROVED

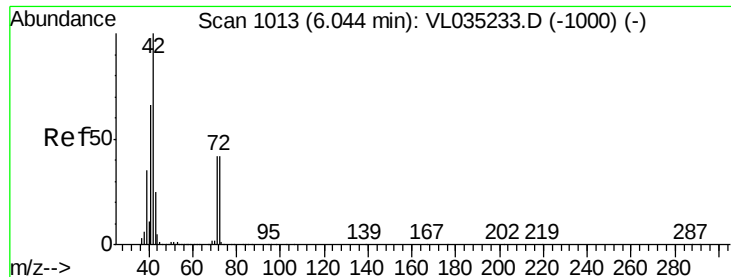
MMDadoda
 8/3/2020 12:36:34 PM



#40
 1,4-Dioxane
 Concen: 10.693 ppbv m
 RT: 7.85 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	99.3	148.9#
43	0.0	195.6	293.4#
57	0.0	854.3	1281.5#





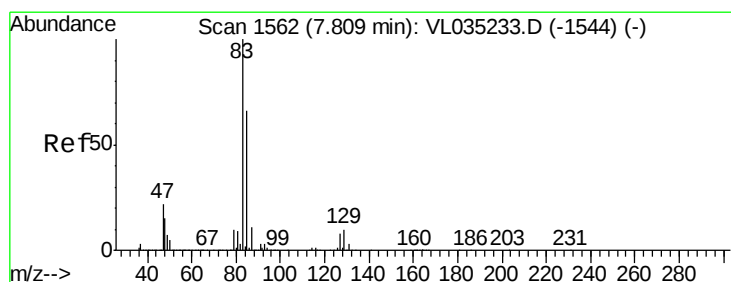
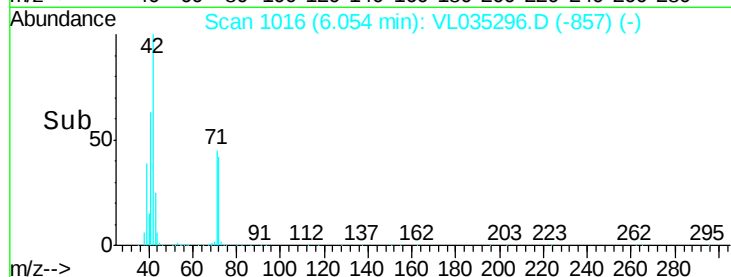
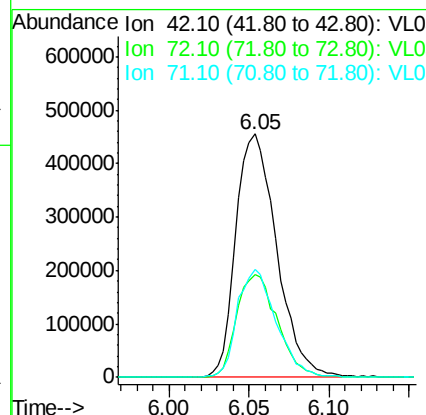
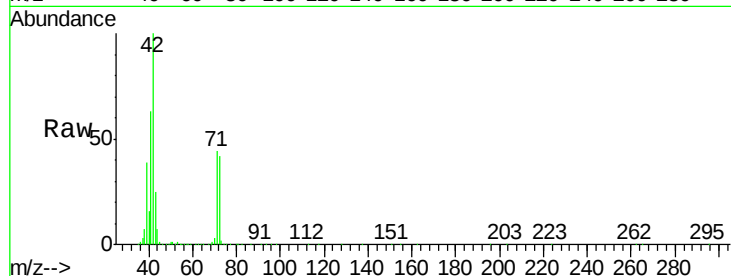
#41
Tetrahydrofuran
Concen: 10.978 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.2	51.2
71	42.2	33.2	49.8

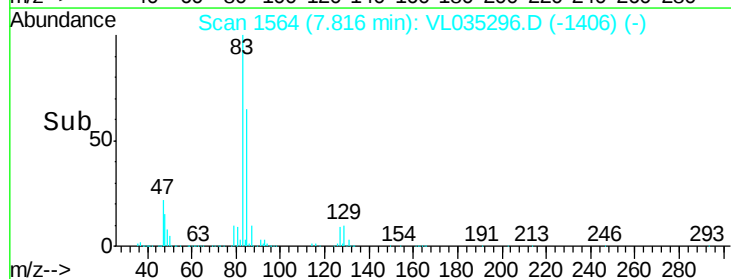
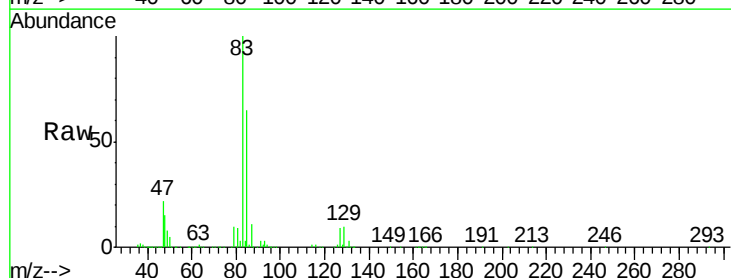
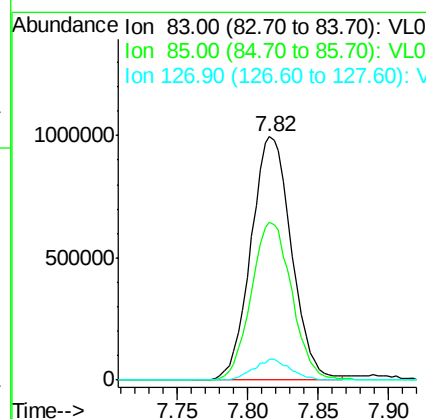
Manual Integrations
APPROVED

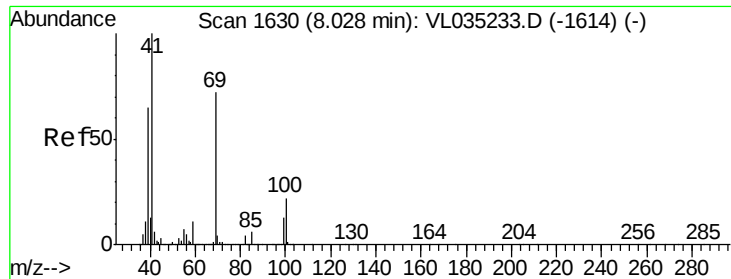
MMDadoda
8/3/2020 12:36:34 PM



#42
Bromodichloromethane
Concen: 10.667 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.9	79.3
127	8.8	6.5	9.7





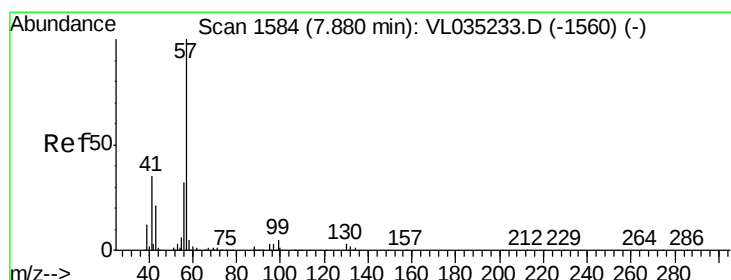
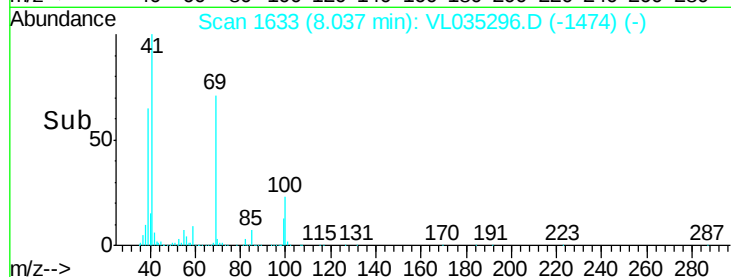
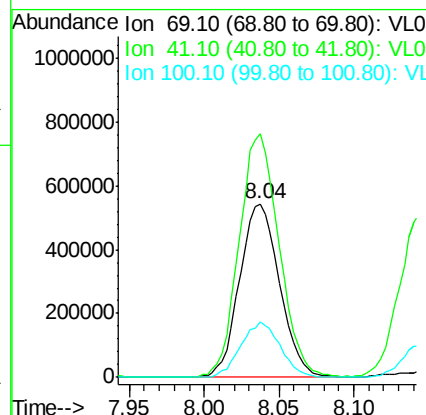
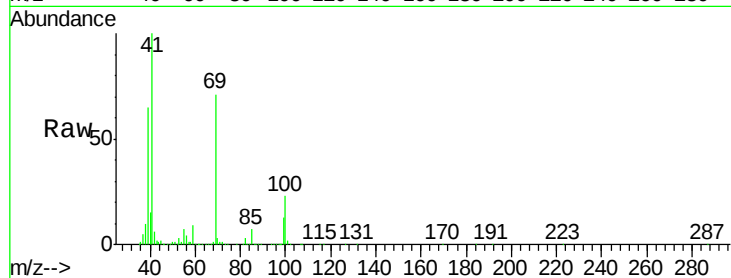
#43
Methvl Methacrvlate
Concen: 11.607 ppbv
RT: 8.04 min Scan# 1633
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion: 69 Resp: 1011934
Ion Ratio Lower Upper
69 100
41 139.9 113.0 169.4
100 31.6 25.3 37.9

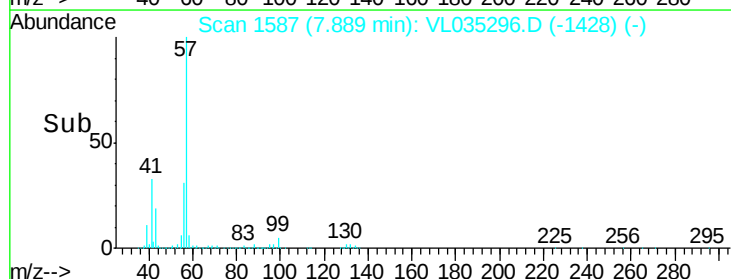
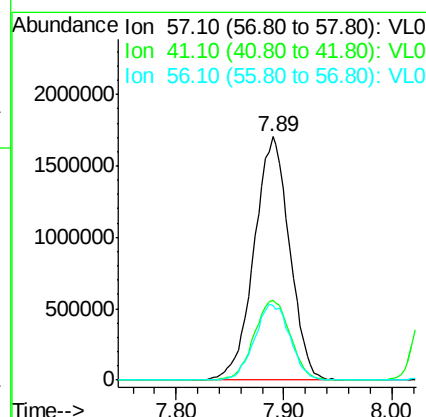
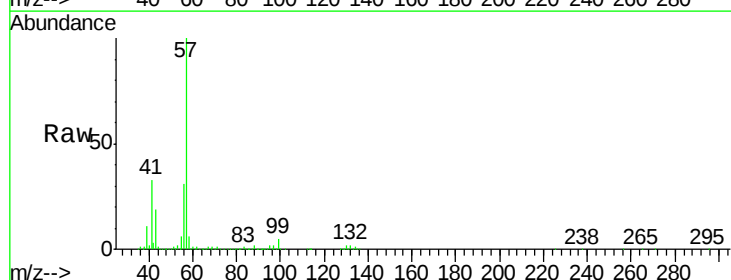
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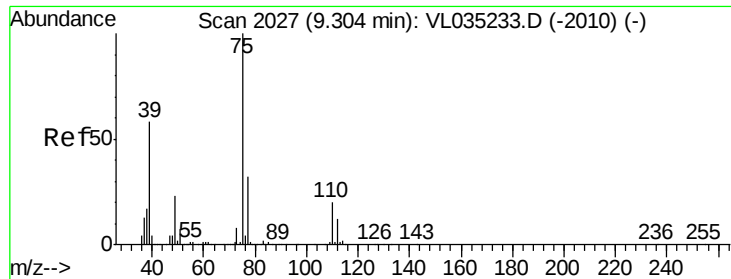
MMDadoda
8/3/2020 12:36:34 PM



#44
2,2,4-Trimethylpentane
Concen: 10.945 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 57 Resp: 3880309
Ion Ratio Lower Upper
57 100
41 33.6 27.0 40.4
56 31.2 25.6 38.4





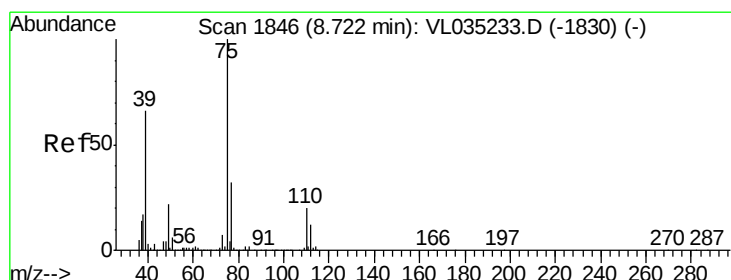
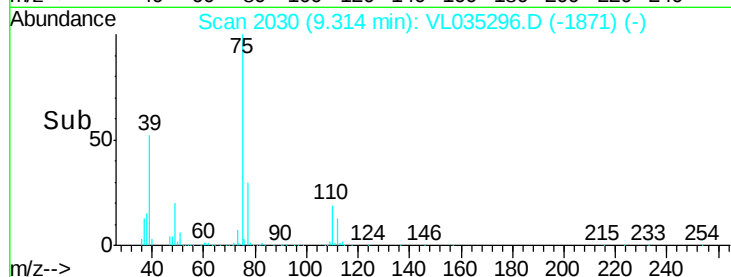
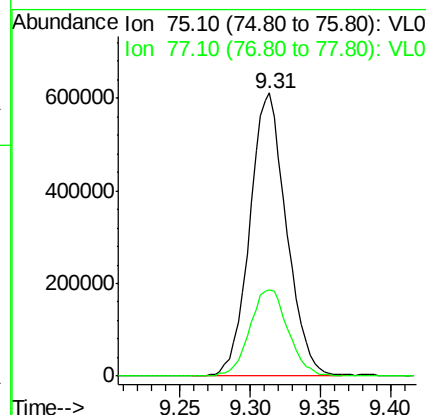
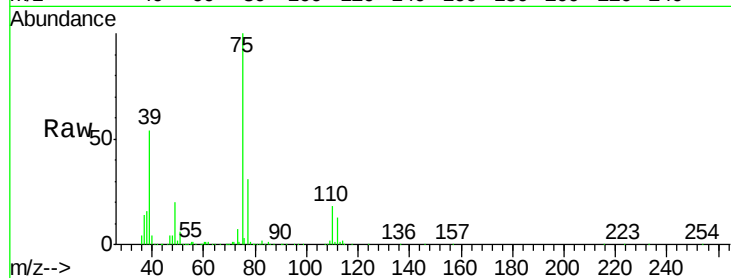
#45
 t-1,3-Dichloropropene
 Concen: 12.668 ppbv
 RT: 9.31 min Scan# 2030
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion: 75 Resp: 1112787
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.6 38.4

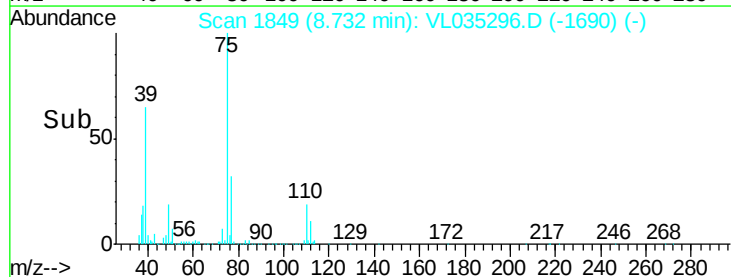
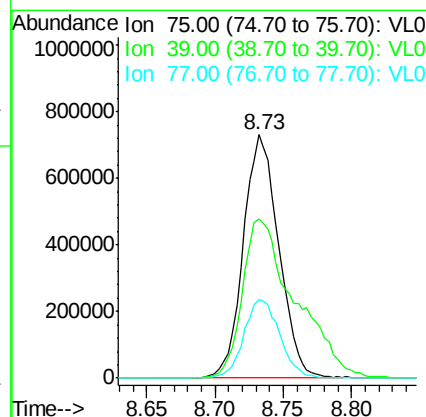
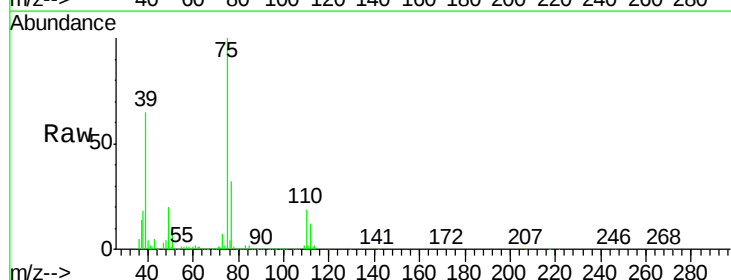
Manual Integrations
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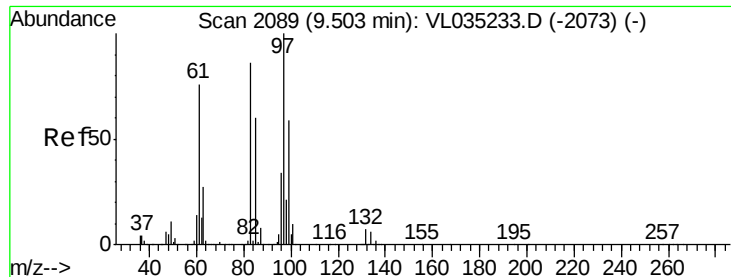
MMDadoda
 8/3/2020 12:36:34 PM



#46
 cis-1,3-Dichloropropene
 Concen: 12.328 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 75 Resp: 1319316
 Ion Ratio Lower Upper
 75 100
 39 65.4 53.0 79.4
 77 32.1 25.8 38.8





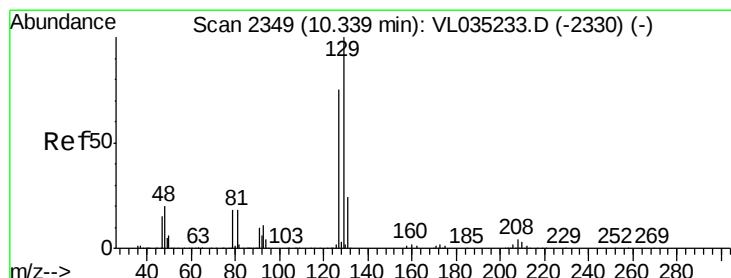
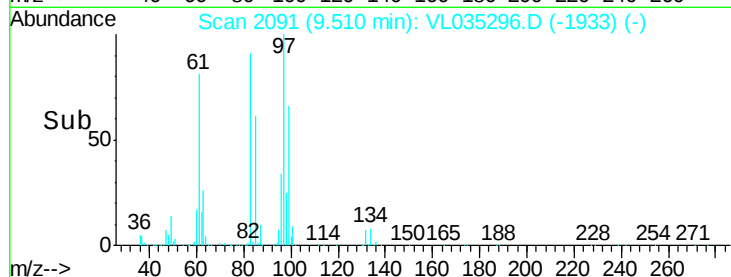
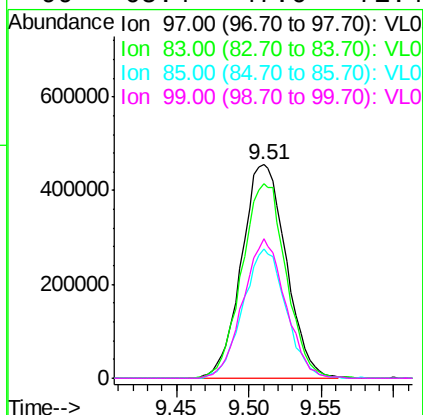
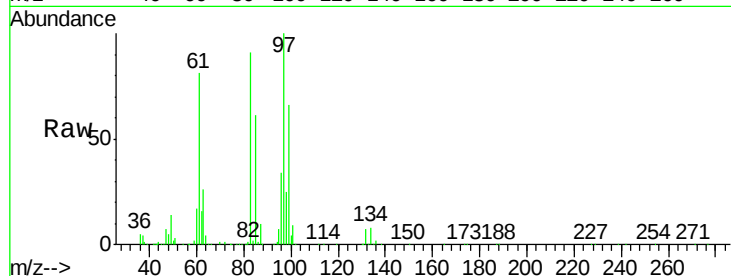
#47
 1,1,2-Trichloroethane
 Concen: 10.300 ppbv
 RT: 9.51 min Scan# 2091
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		976800		
83	90.6	69.0	103.4		
85	60.5	47.8	71.8		
99	65.4	47.6	71.4		

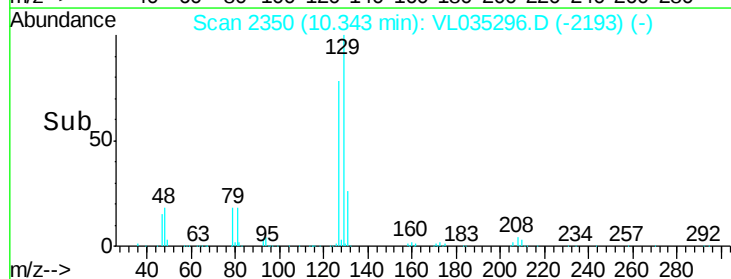
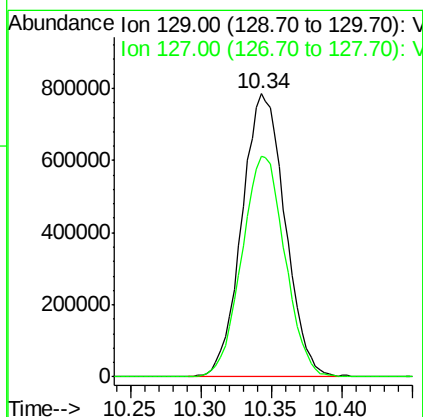
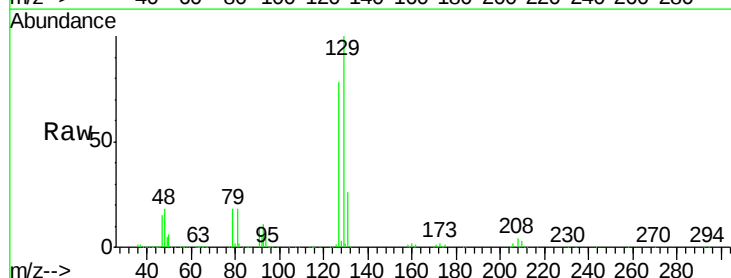
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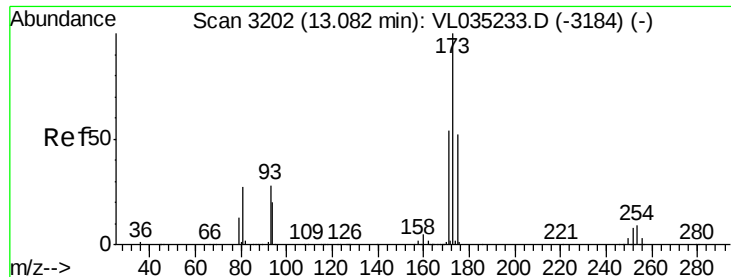
MMDadoda
 8/3/2020 12:36:34 PM



#48
 Dibromochloromethane
 Concen: 11.253 ppbv
 RT: 10.34 min Scan# 2350
 Delta R.T. 0.00 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1680795		
127	78.0	39.6	119.0		





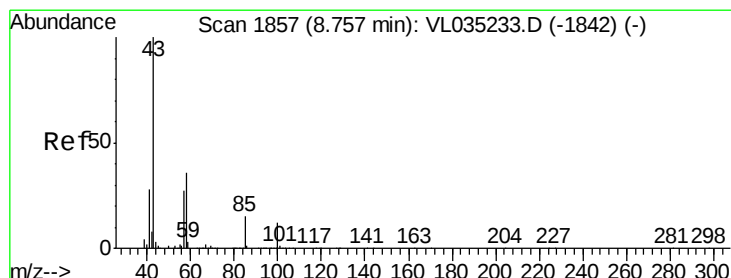
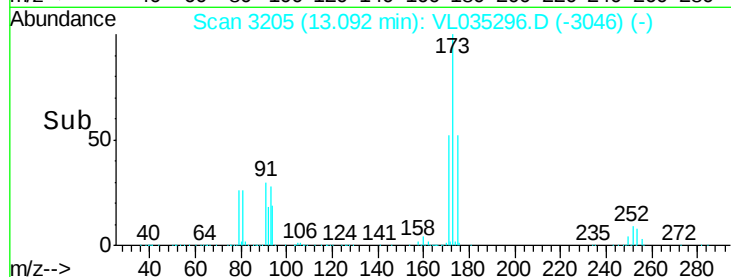
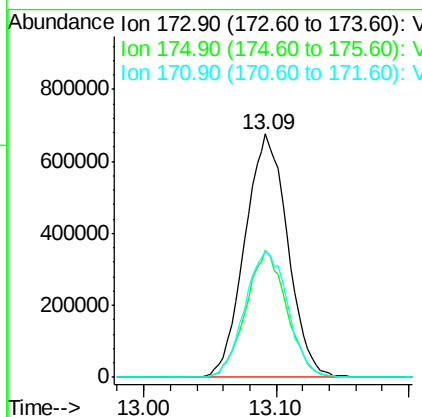
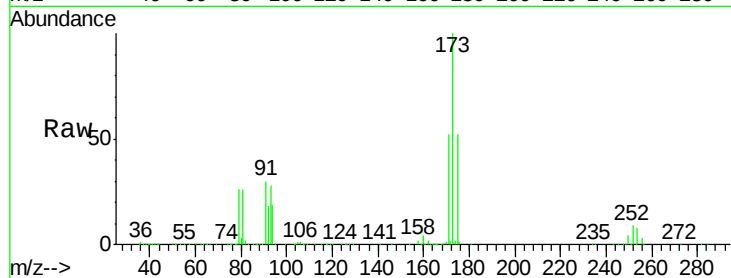
#49
Bromoform
Concen: 11.305 ppbv
RT: 13.09 min Scan# 3205
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion:173 Resp: 1517938
Ion Ratio Lower Upper
173 100
175 50.0 40.0 60.0
171 52.7 41.8 62.8

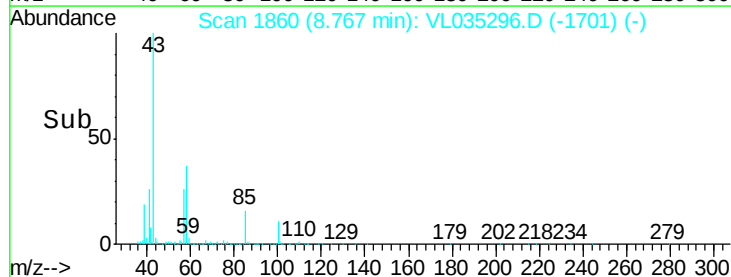
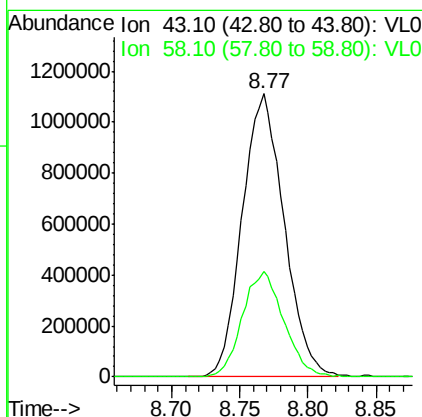
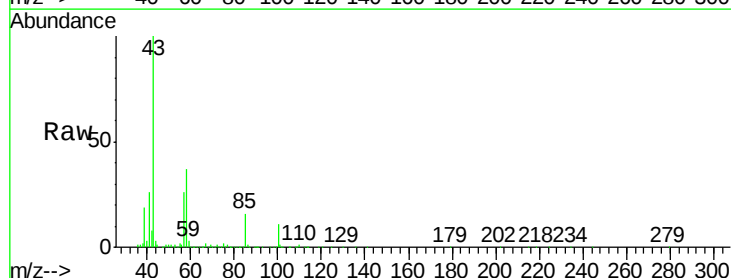
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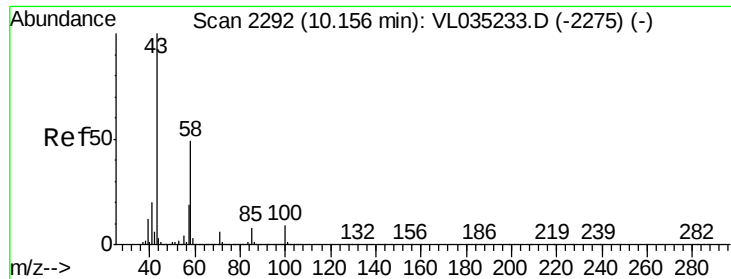
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 11.101 ppbv
RT: 8.77 min Scan# 1860
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 43 Resp: 2369998
Ion Ratio Lower Upper
43 100
58 36.9 30.0 45.0





#51

2-Hexanone

Concen: 11.765 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 43 Resp: 1904673

Ion Ratio Lower Upper

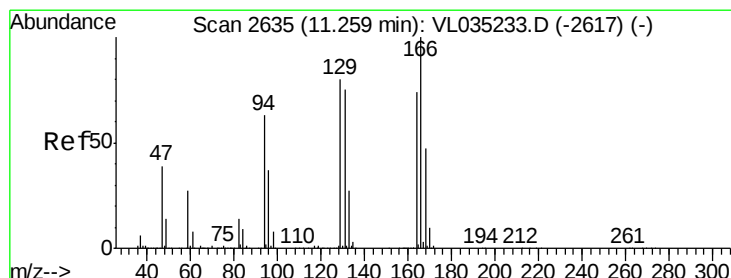
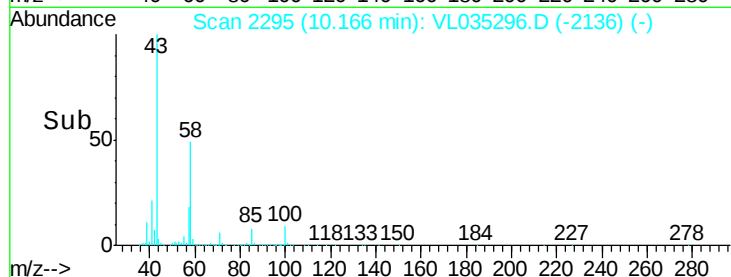
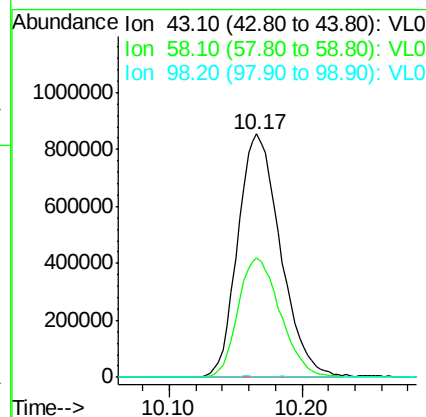
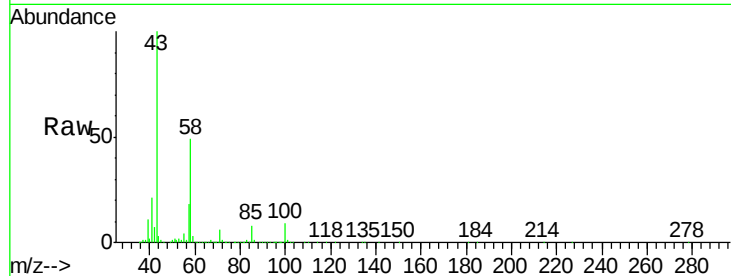
43 100

58 48.9 38.8 58.2

98 0.3 0.6 0.8#

Manual Integrations
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#52

Tetrachloroethene

Concen: 10.958 ppbv m

RT: 11.27 min Scan# 2638

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion: 164 Resp: 841298

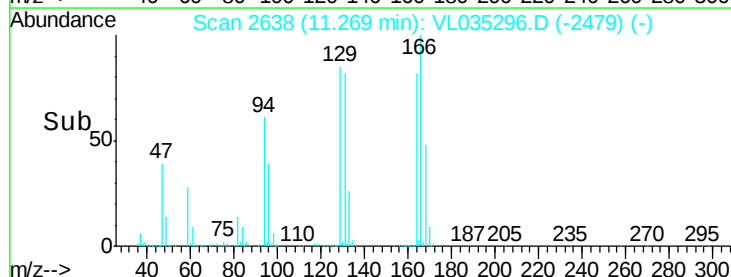
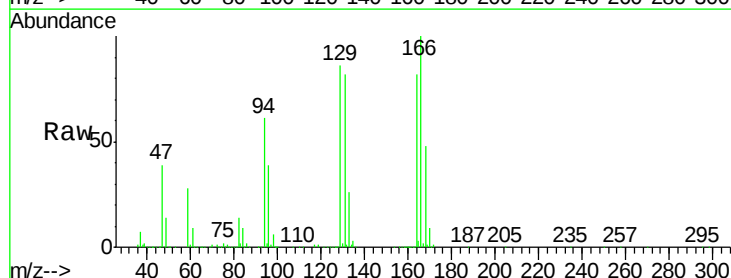
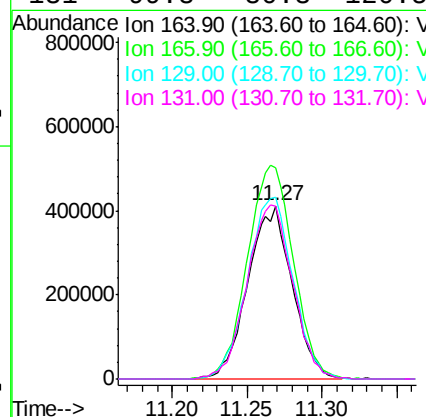
Ion Ratio Lower Upper

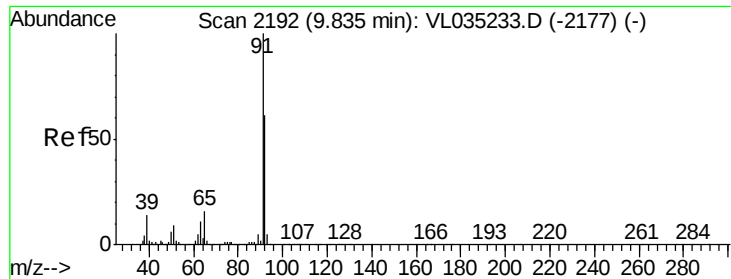
164 100

166 122.2 107.5 161.3

129 104.6 86.0 129.0

131 99.8 80.3 120.5





#53

Toluene

Concen: 12.298 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 91 Resp: 2629925

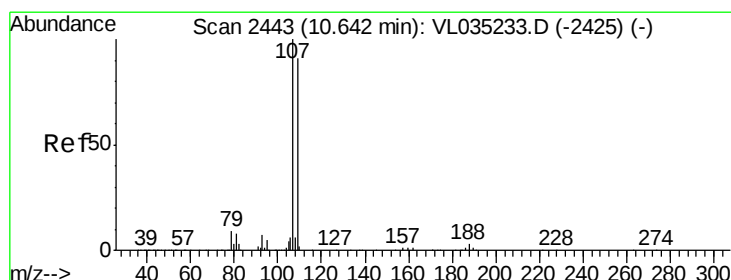
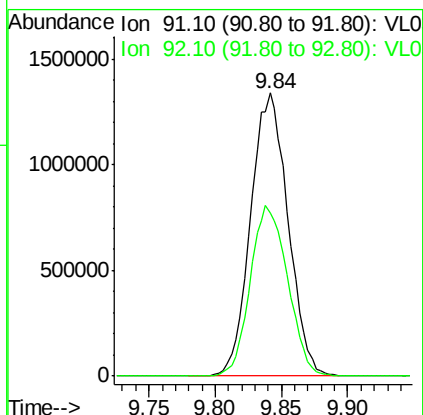
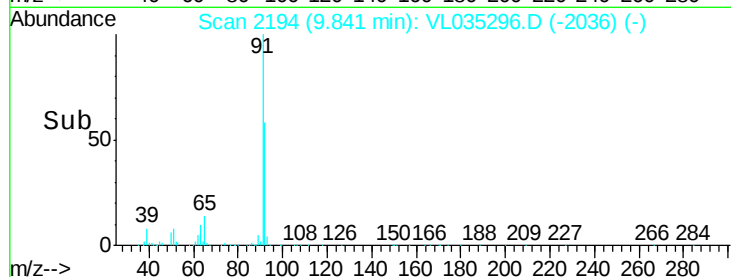
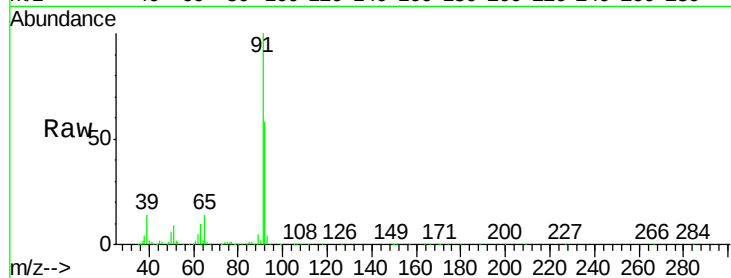
Ion Ratio Lower Upper

91 100

92 60.3 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 10.787 ppbv

RT: 10.65 min Scan# 2446

Delta R.T. 0.01 min

Lab File: VL035296.D

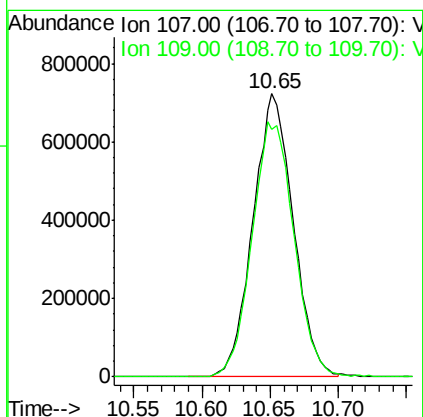
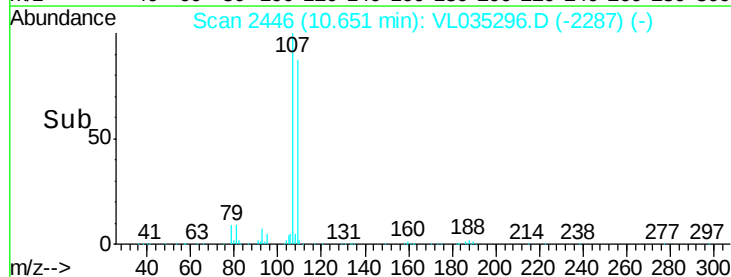
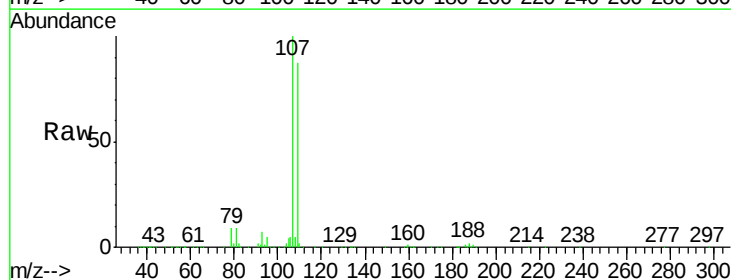
Acq: 31 Jul 2020 2:21

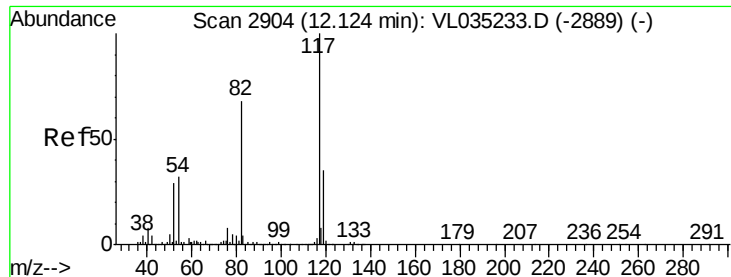
Tgt Ion: 107 Resp: 1479133

Ion Ratio Lower Upper

107 100

109 87.3 73.0 109.6





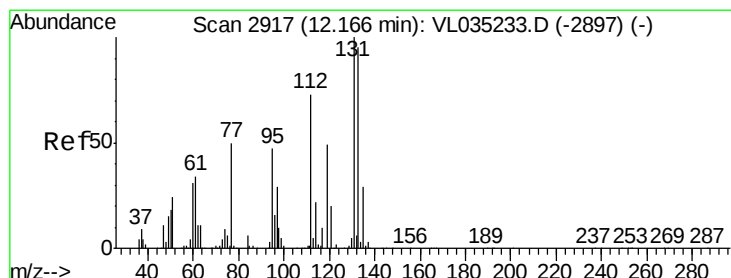
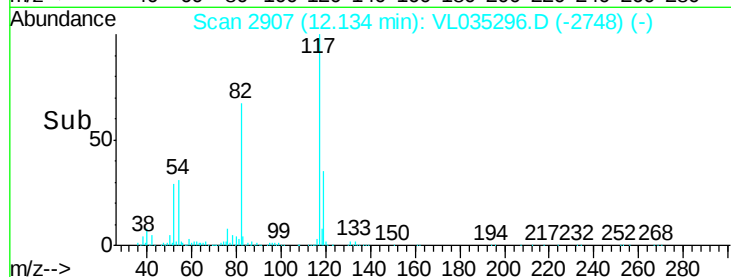
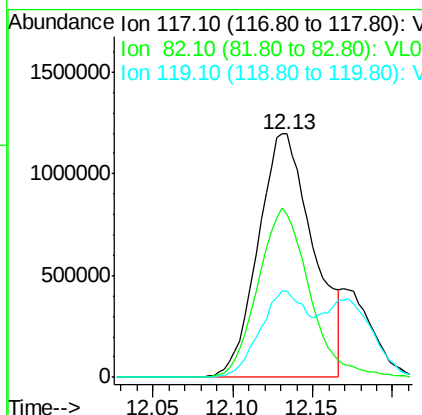
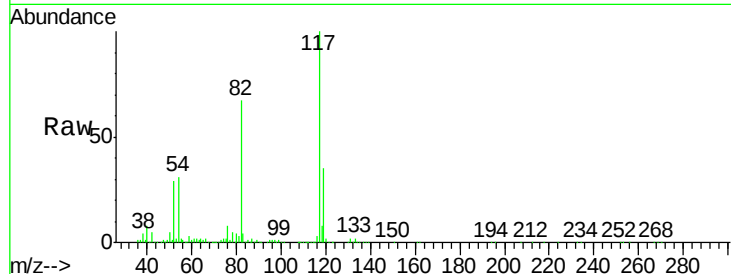
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.8	52.4	78.6
119	27.8	24.6	36.8

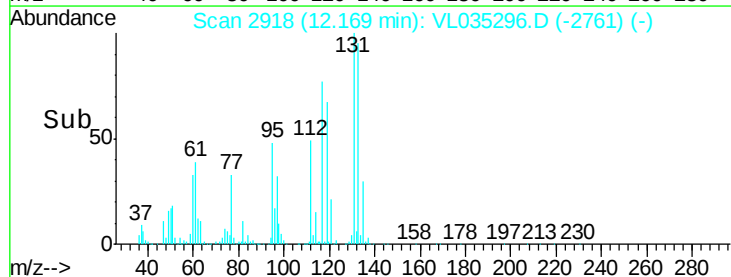
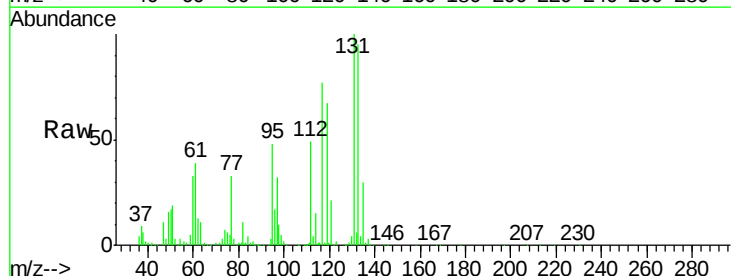
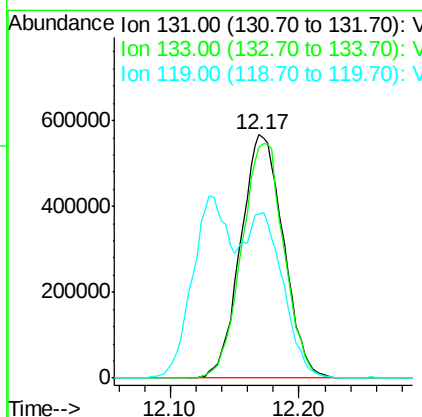
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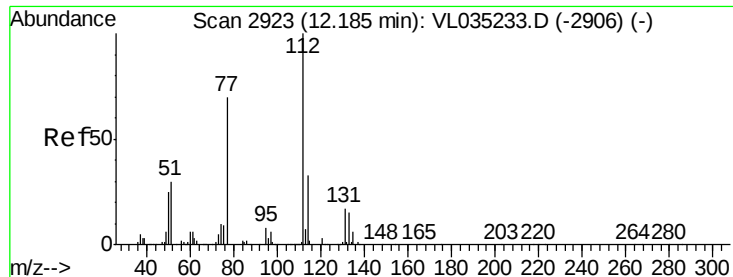
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.937 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	76.1	114.1
119	69.6	44.3	66.5#





#57

Chlorobenzene

Concen: 10.034 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

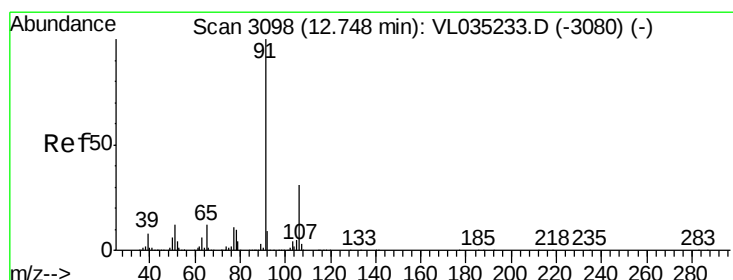
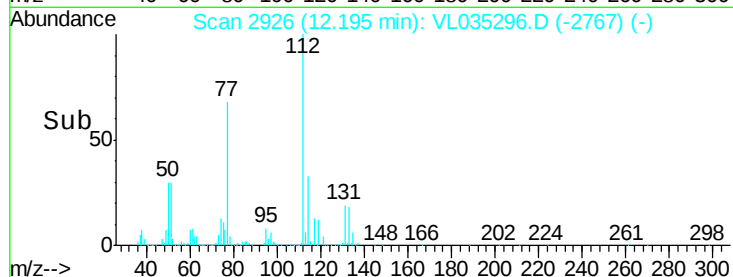
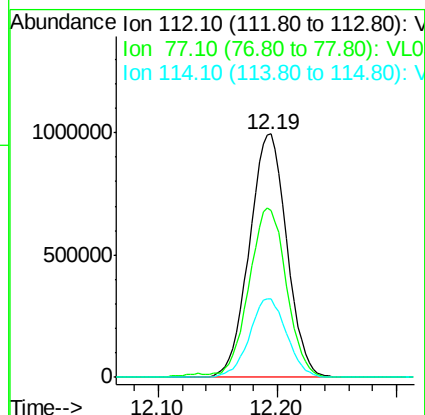
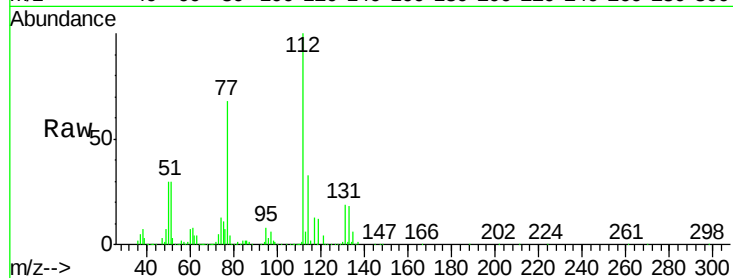
ClientSampleId :

VL0731ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.2	57.3	85.9
114	32.5	29.3	35.8

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#58

Ethyl Benzene

Concen: 11.970 ppbv

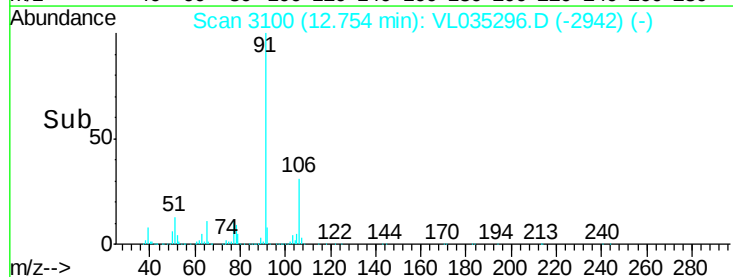
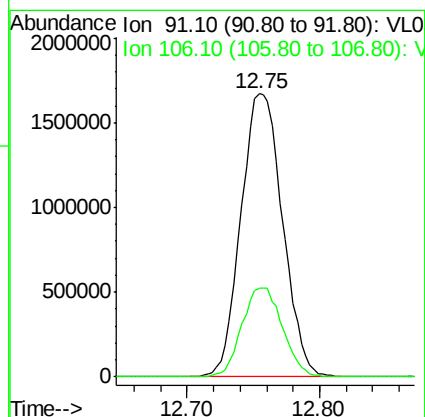
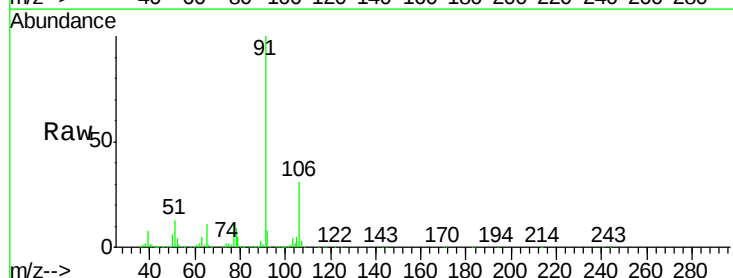
RT: 12.75 min Scan# 3100

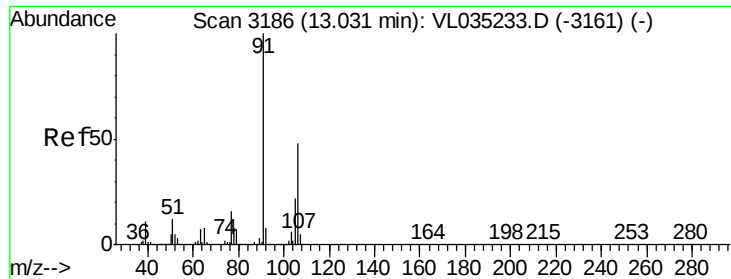
Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.0	37.6





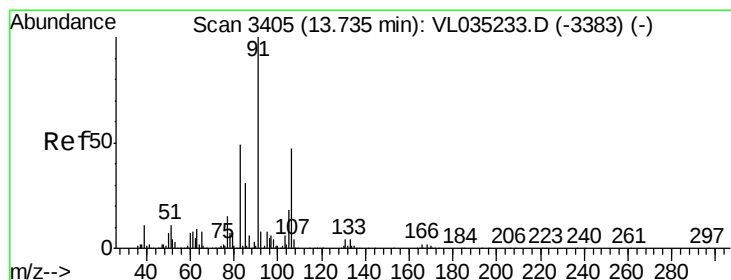
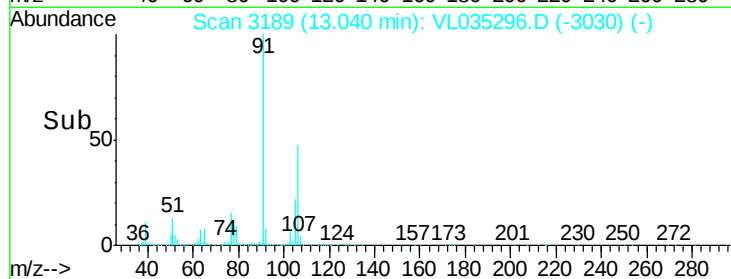
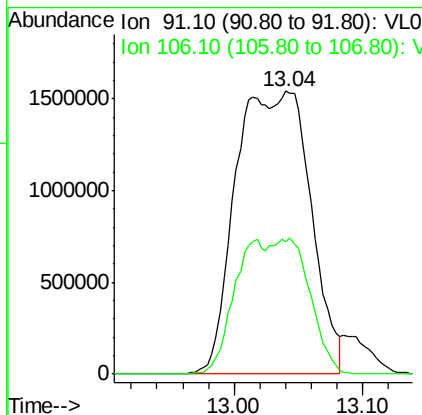
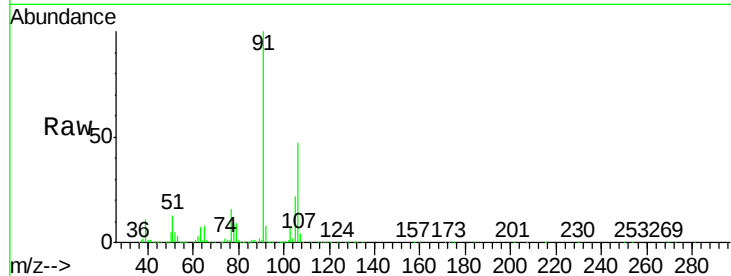
#59
m/p-Xylene
Concen: 21.996 ppbv m
RT: 13.04 min Scan# 3189
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Instrument :
MSVOA_L
ClientSampleId :
VL0731ABS01

Tot Ion: 91 Resp: 6213866
Ion Ratio Lower Upper
91 100
106 46.2 37.2 55.8

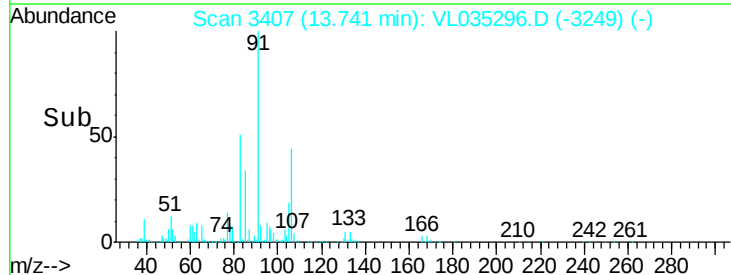
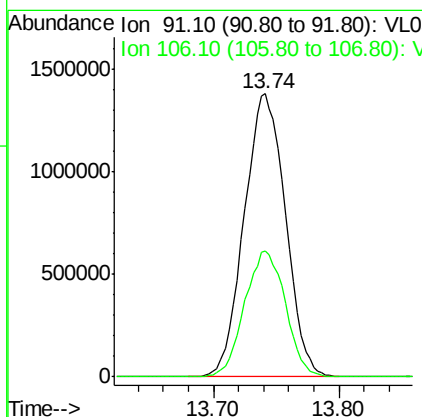
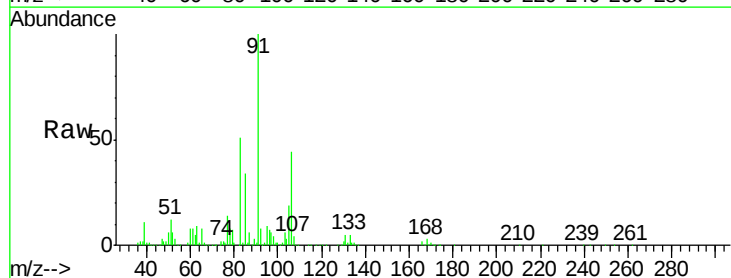
Manual Integrations
APPROVED

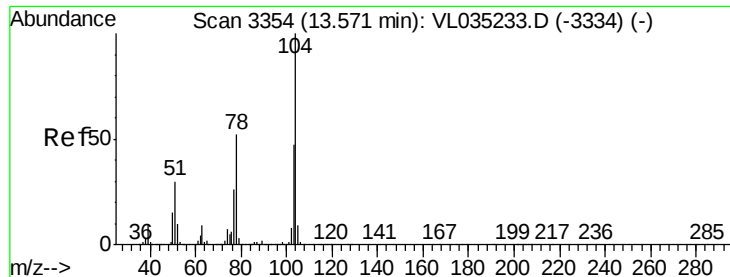
MMDadoda
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#60
o-Xylene
Concen: 11.201 ppbv
RT: 13.74 min Scan# 3407
Delta R.T. 0.01 min
Lab File: VL035296.D
Acq: 31 Jul 2020 2:21

Tgt Ion: 91 Resp: 3157405
Ion Ratio Lower Upper
91 100
106 43.9 22.4 67.0





#61

Stvrene

Concen: 12.615 ppbv

RT: 13.57 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion:104 Resp: 2158252

Ion Ratio Lower Upper

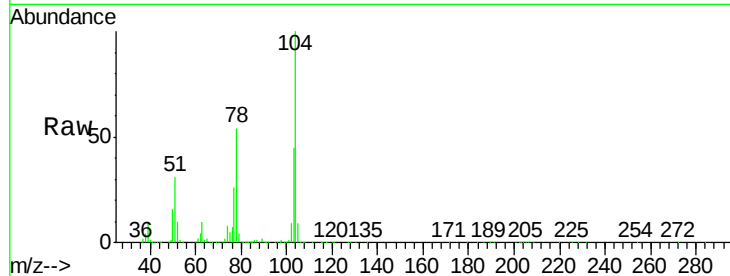
104 100

78 54.8 43.3 64.9

103 47.4 38.2 57.2

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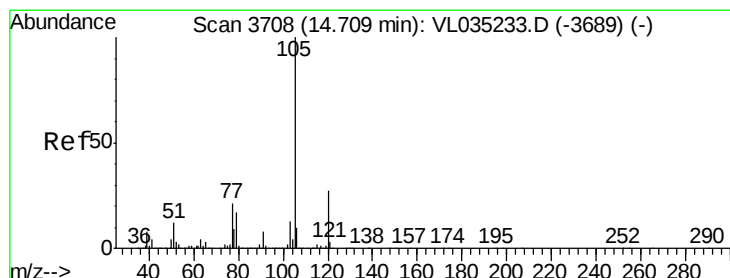
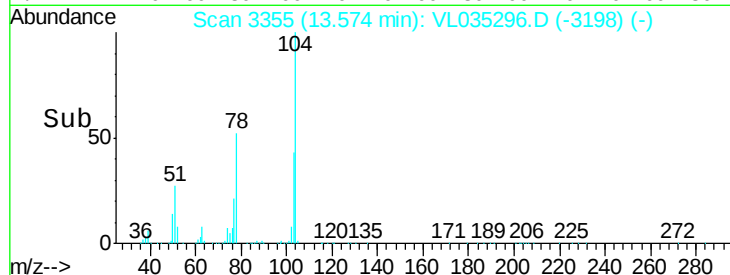
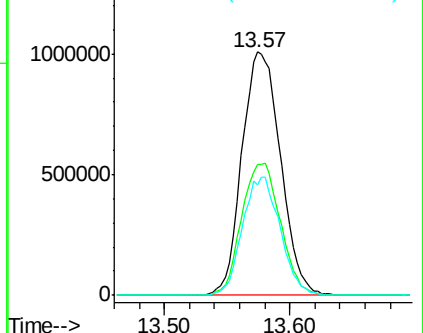
MMDadoda
8/3/2020 12:36:34 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.981 ppbv

RT: 14.72 min Scan# 3711

Delta R.T. 0.01 min

Lab File: VL035296.D

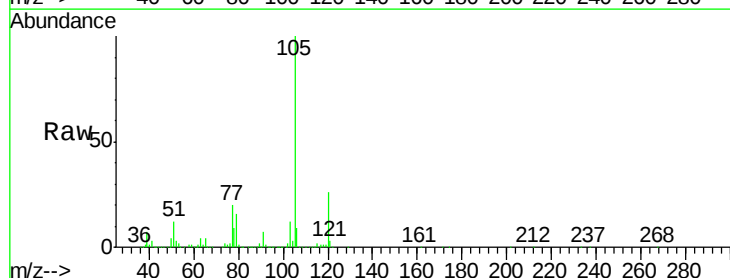
Acq: 31 Jul 2020 2:21

Tgt Ion:105 Resp: 4606754

Ion Ratio Lower Upper

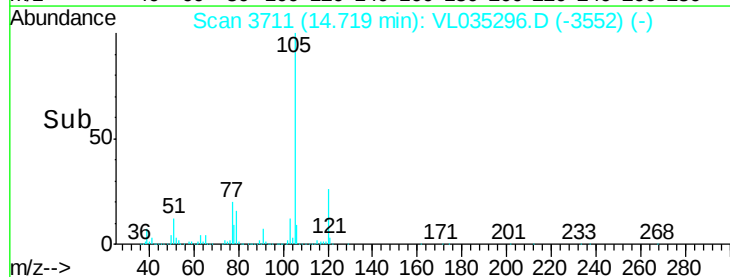
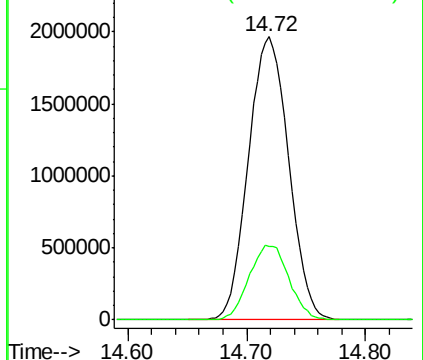
105 100

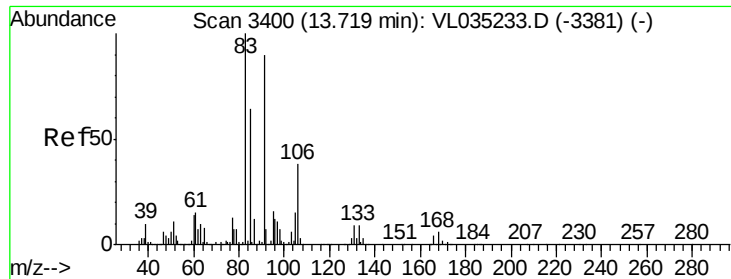
120 26.1 20.8 31.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





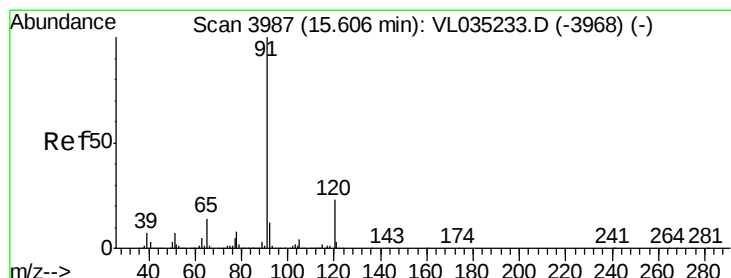
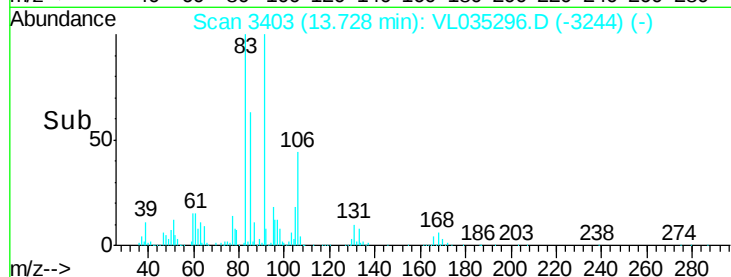
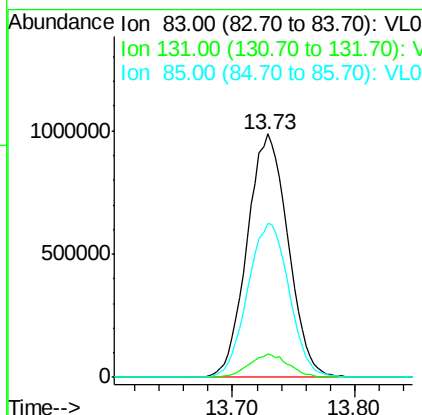
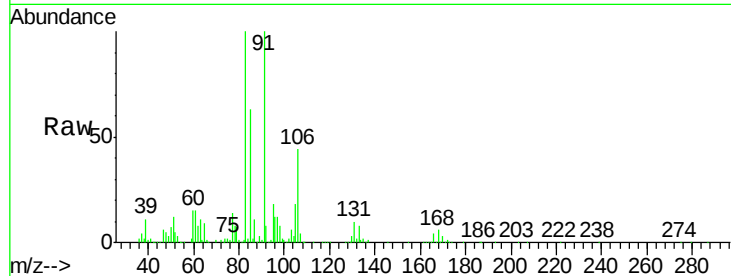
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.442 ppbv
 RT: 13.73 min Scan# 3403
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	9.3	4.6	13.8
85	64.4	32.7	98.1

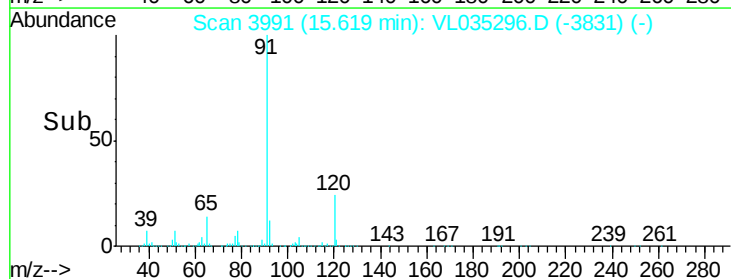
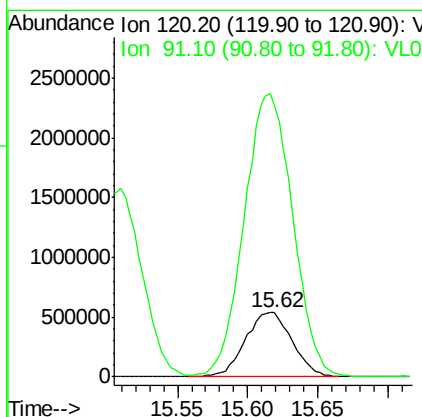
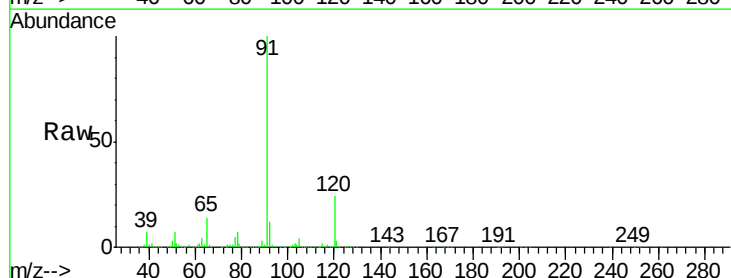
Manual Integrations
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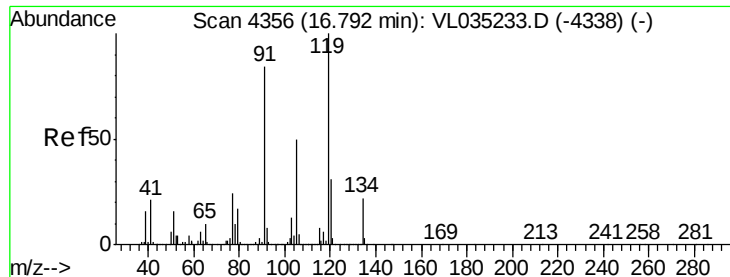
MMDadoda
 8/3/2020 12:36:34 PM



#64
 n-propylbenzene
 Concen: 11.205 ppbv
 RT: 15.62 min Scan# 3991
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
120	100		
91	456.9	367.5	551.3





#65

tert-Butylbenzene

Concen: 10.953 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 119 Resp: 4162902

Ion Ratio Lower Upper

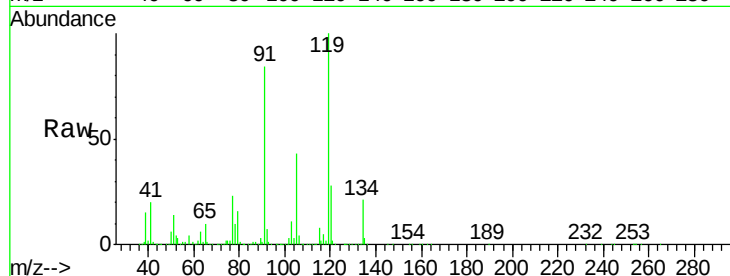
119 100

91 85.0 68.0 102.0

134 20.0 16.3 24.5

Manual Integrations
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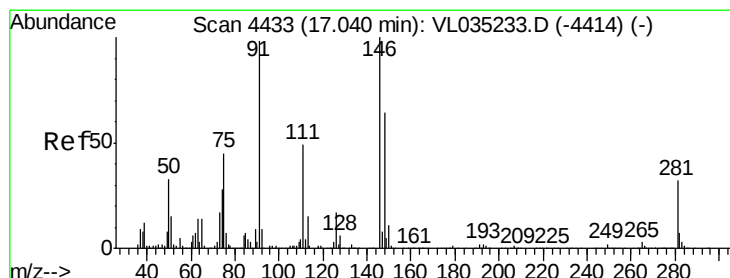
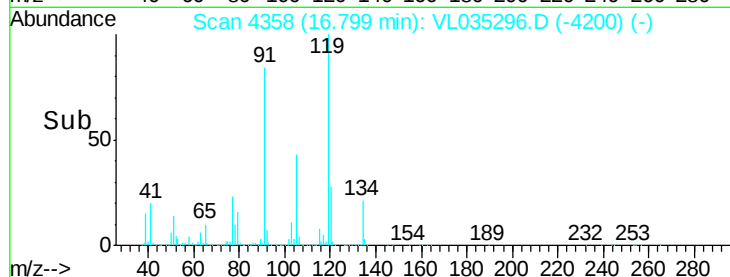
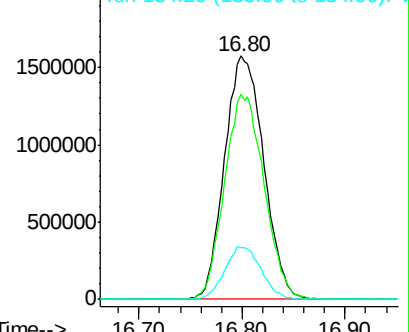
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 10.705 ppbv

RT: 17.05 min Scan# 4435

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

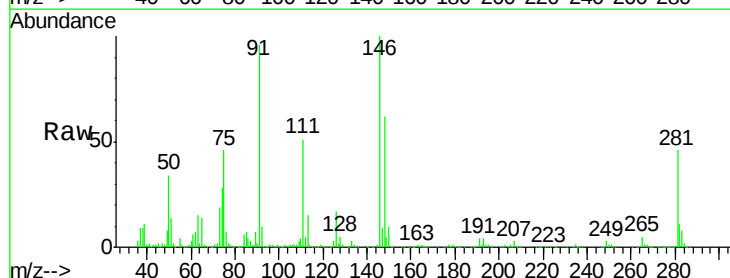
Tgt Ion: 91 Resp: 1593556

Ion Ratio Lower Upper

91 100

126 17.9 14.1 21.1

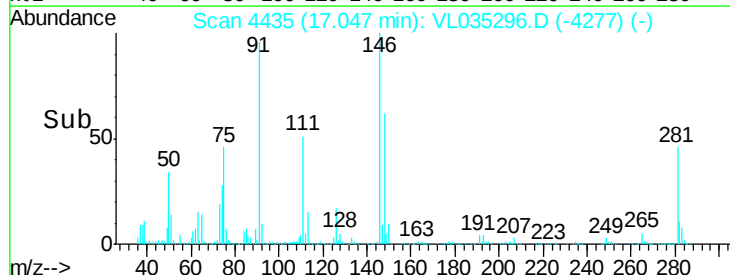
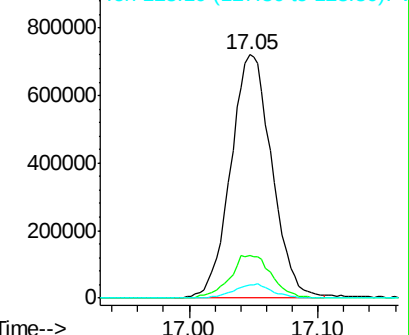
128 5.4 4.4 6.6

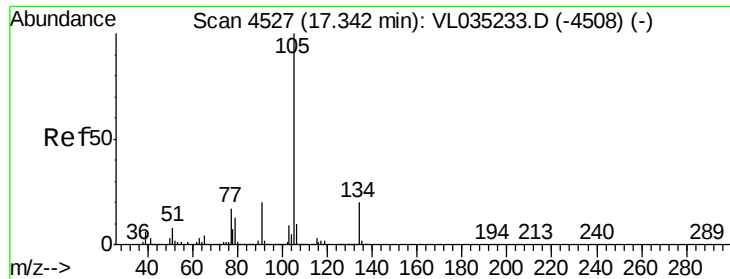


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





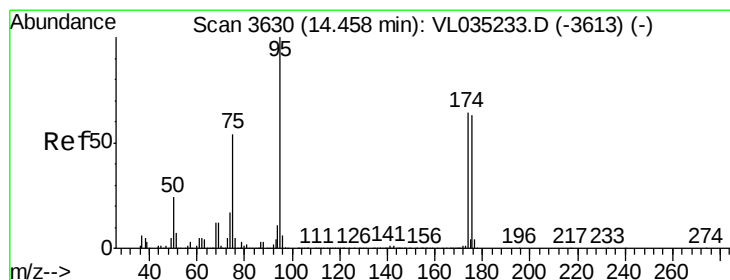
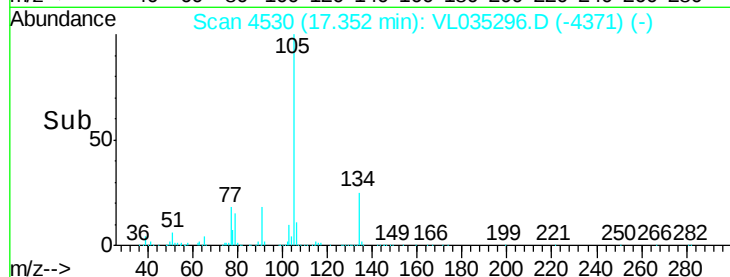
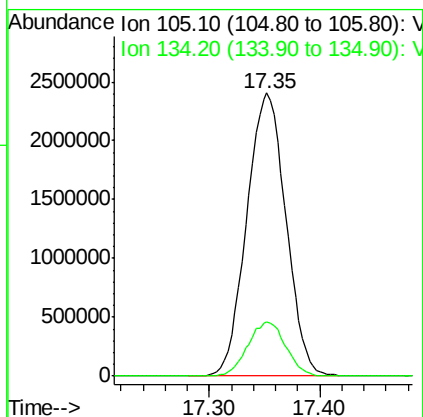
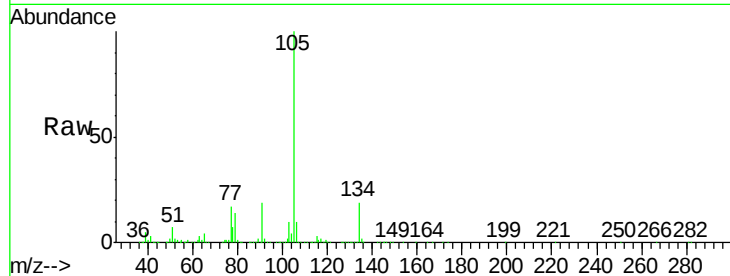
#67
 sec-Butylbenzene
 Concen: 10.658 ppbv
 RT: 17.35 min Scan# 4530
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0731ABS01

Tot Ion: 105 Resp: 5918457
 Ion Ratio Lower Upper
 105 100
 134 18.6 15.0 22.4

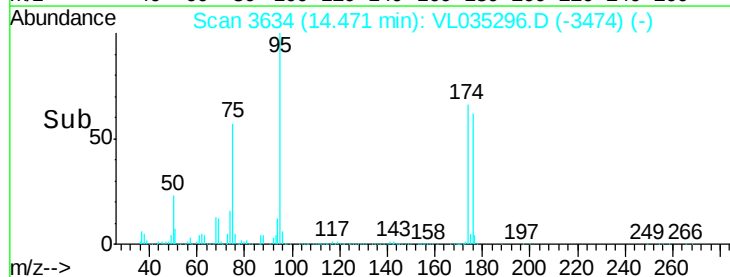
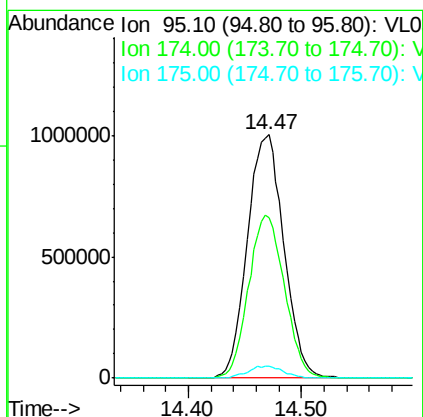
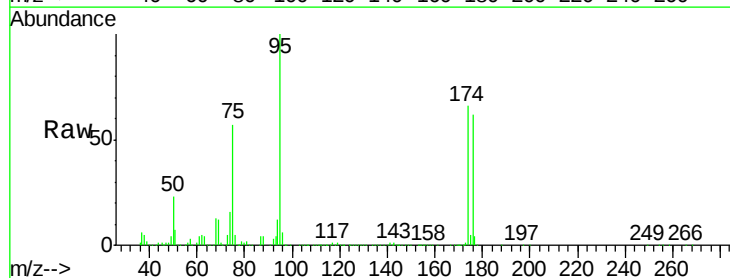
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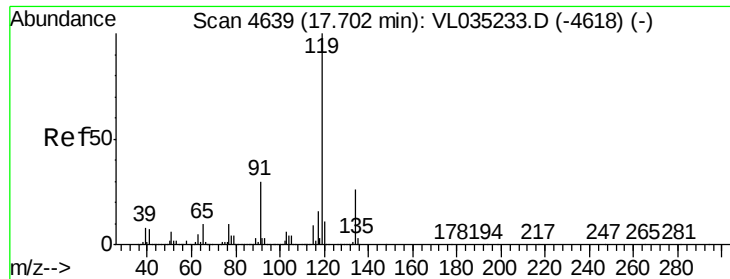
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.825 ppbv
 RT: 14.47 min Scan# 3634
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion: 95 Resp: 2249506
 Ion Ratio Lower Upper
 95 100
 174 65.8 52.7 79.1
 175 4.8 3.9 5.9





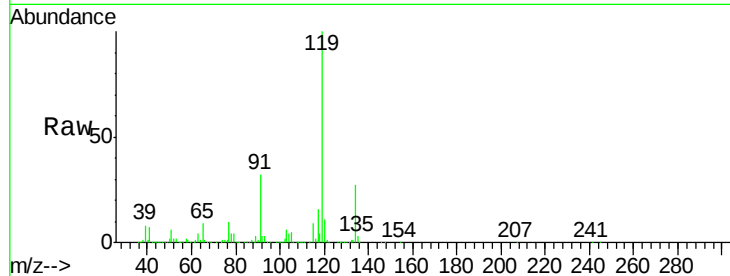
#69
 p-Isopropyltoluene
 Concen: 10.941 ppbv
 RT: 17.71 min Scan# 4641
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0731ABS01

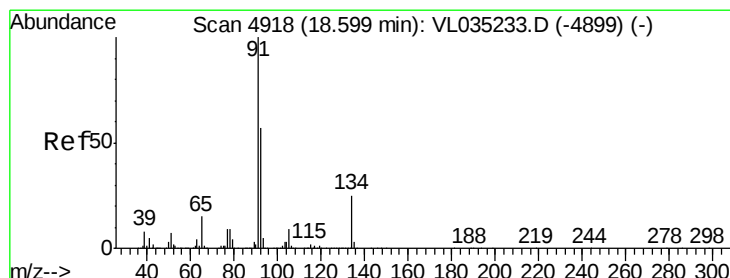
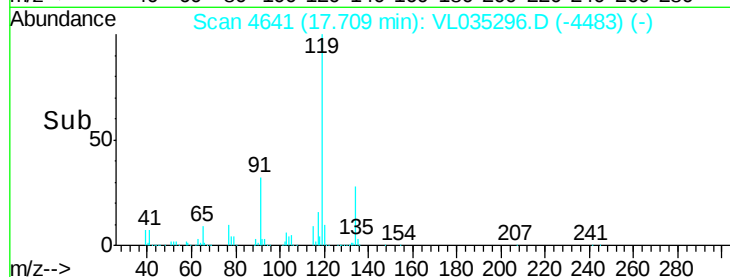
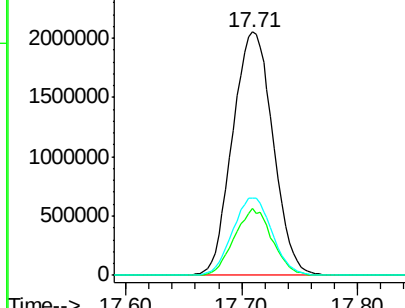
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.8	31.2
91	31.4	24.7	37.1

Manual Integrations
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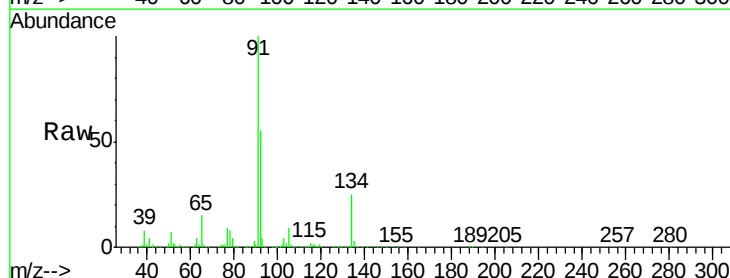


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

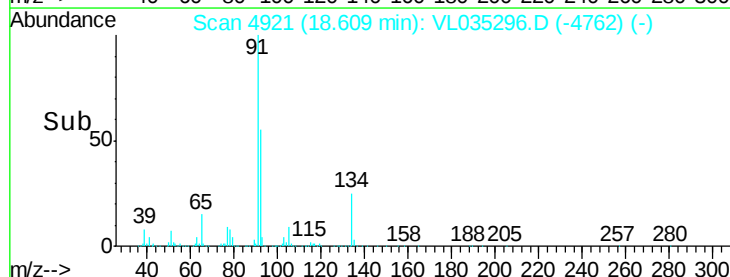
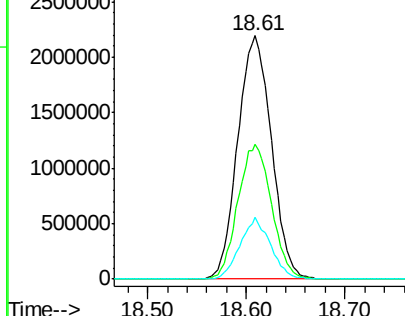


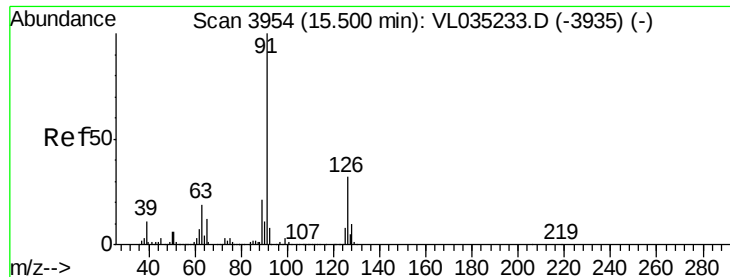
#70
 n-Butylbenzene
 Concen: 10.592 ppbv
 RT: 18.61 min Scan# 4921
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.1	44.9	67.3
134	23.0	18.6	28.0



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: 11.399 ppbv

RT: 15.51 min Scan# 3957

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion: 91 Resp: 3605975

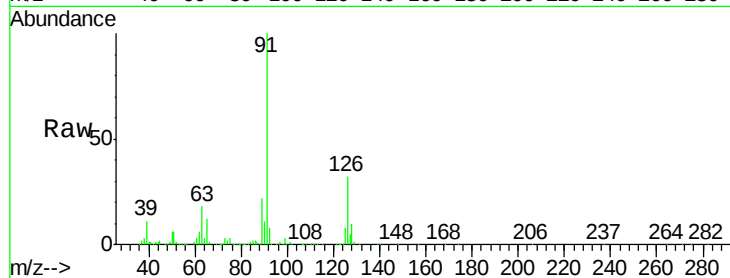
Ion Ratio Lower Upper

91 100

126 30.2 12.3 49.1

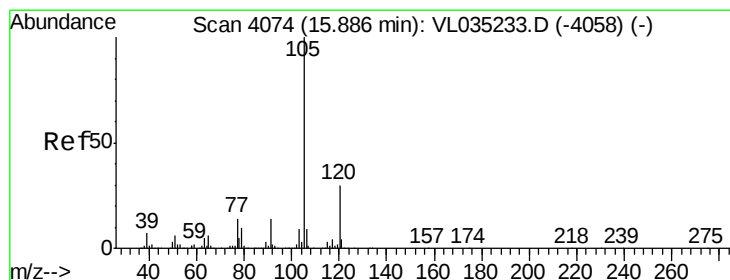
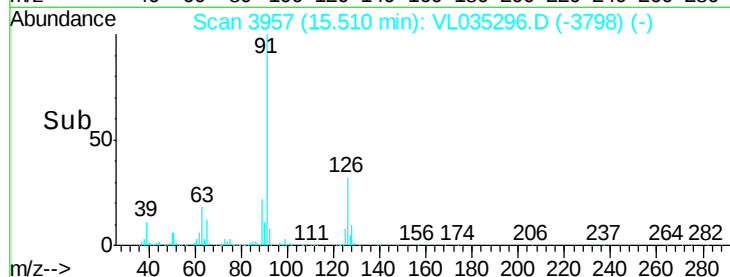
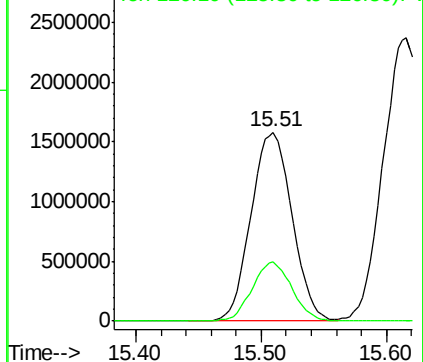
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.696 ppbv

RT: 15.90 min Scan# 4077

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Tgt Ion: 105 Resp: 3710630

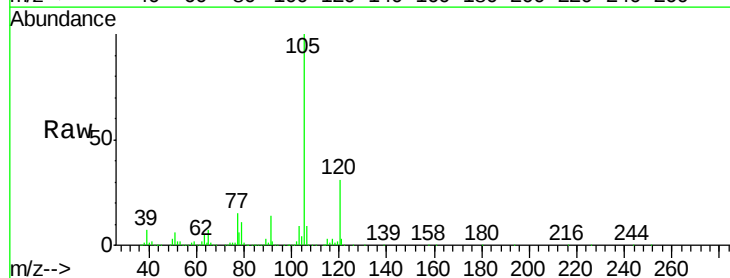
Ion Ratio Lower Upper

105 100

120 30.2 23.6 35.4

91 13.7 11.0 16.6

77 15.1 11.7 17.5

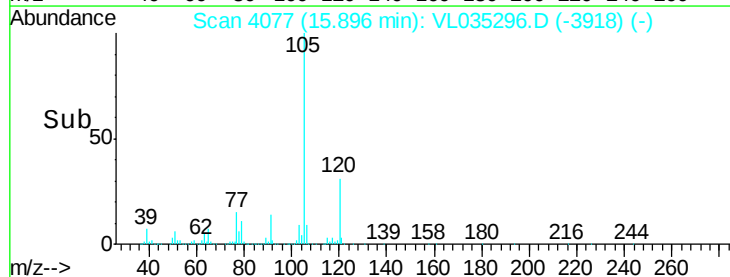
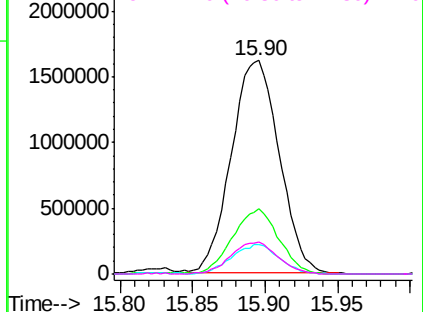


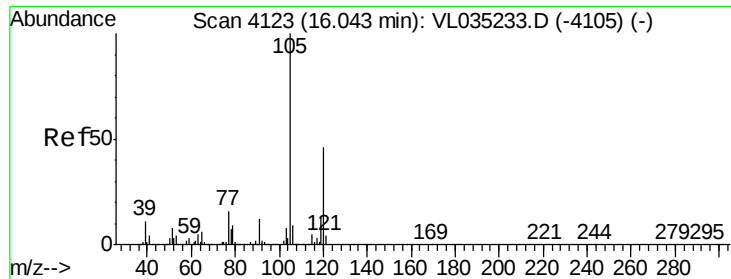
Abundance Ion 105.10 (104.80 to 105.80): V

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





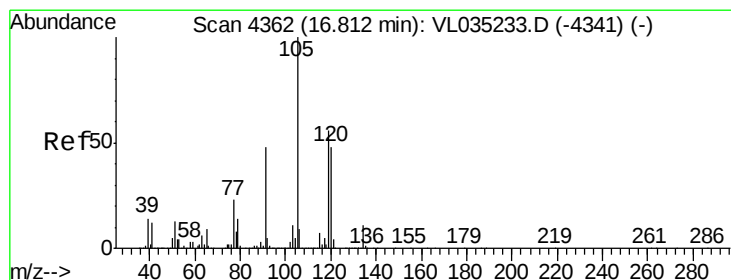
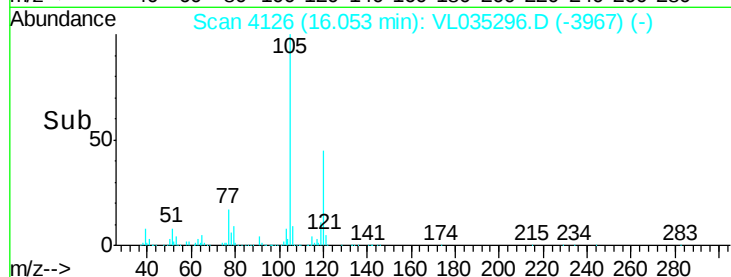
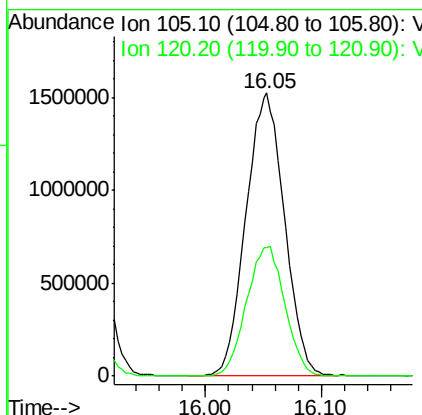
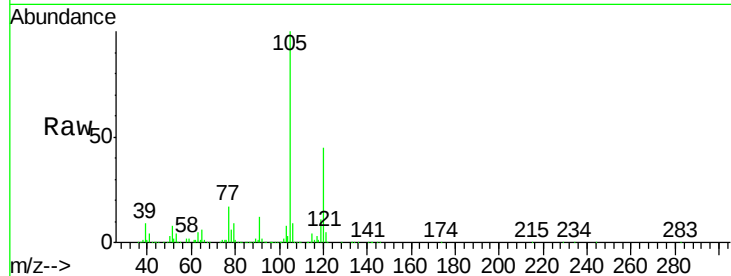
#73
 1,3,5-Trimethylbenzene
 Concen: 11.363 ppbv
 RT: 16.05 min Scan# 4126
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion:105 Resp: 3515495
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.8 55.2

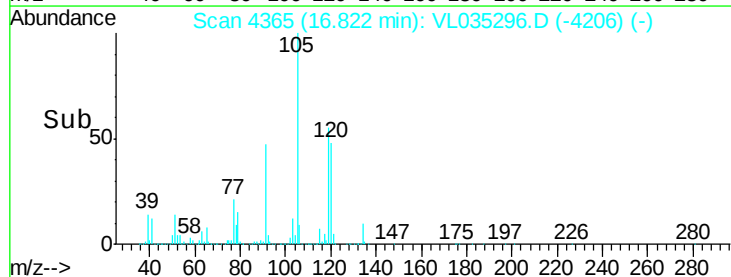
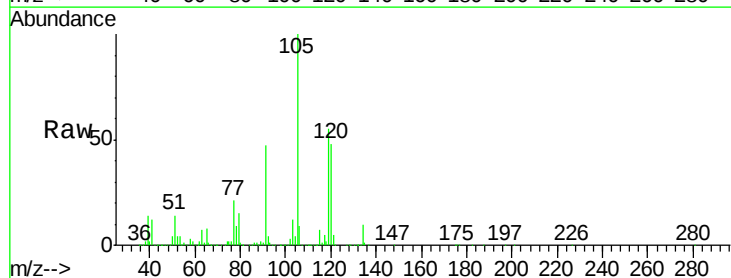
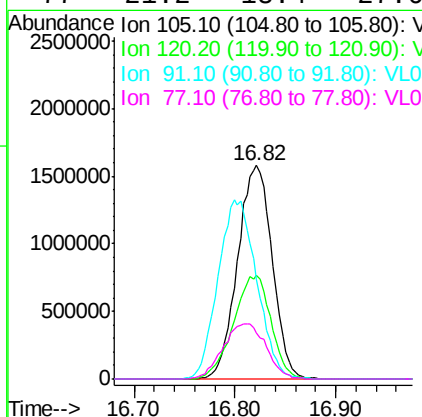
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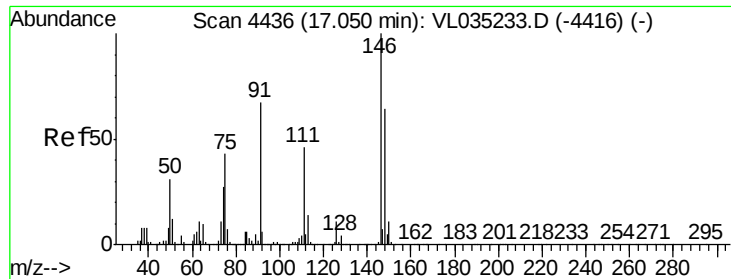
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.430 ppbv
 RT: 16.82 min Scan# 4365
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion:105 Resp: 3756521
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.8 58.2
 91 46.8 38.9 58.3
 77 21.2 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 9.407 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. 0.00 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

ClientSampleId :

VL0731ABS01

Tot Ion:146 Resp: 2187599

Ion Ratio Lower Upper

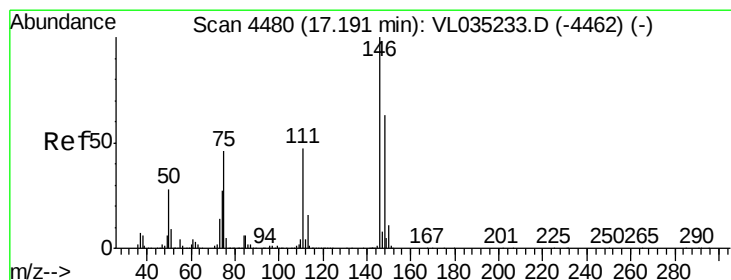
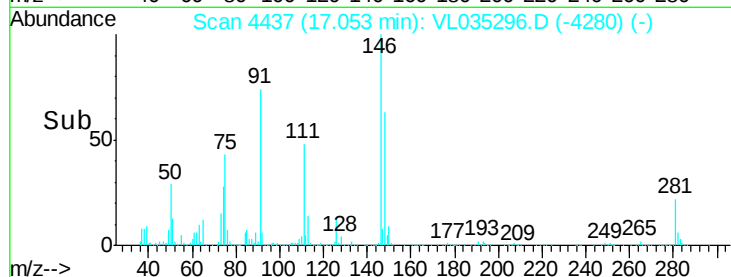
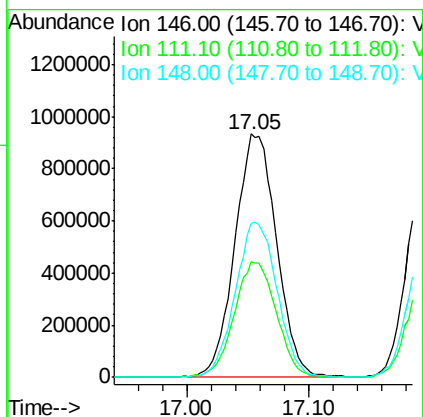
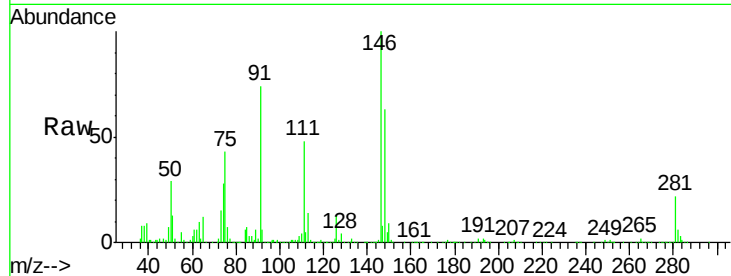
146 100

111 48.6 24.4 73.4

148 64.7 32.1 96.5

Manual Integrations
APPROVED

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8/3/2020 12:36:34 PM



#76

1,4-Dichlorobenzene

Concen: 10.280 ppbv

RT: 17.20 min Scan# 4482

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

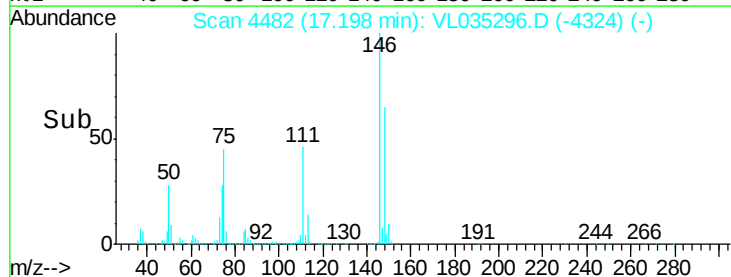
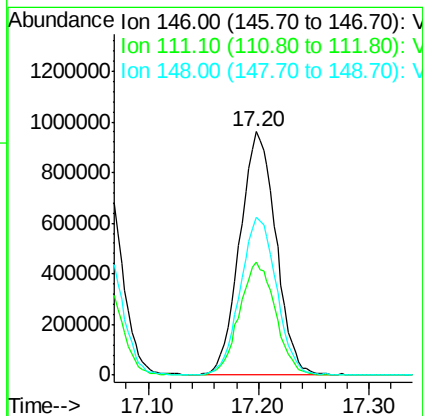
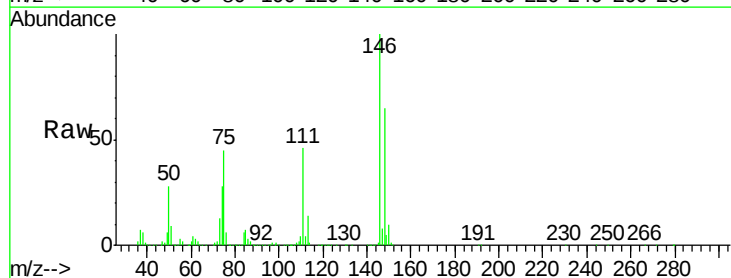
Tgt Ion:146 Resp: 2162433

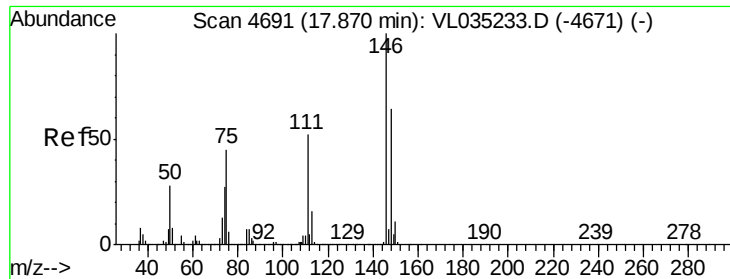
Ion Ratio Lower Upper

146 100

111 46.7 23.4 70.2

148 65.7 32.2 96.6





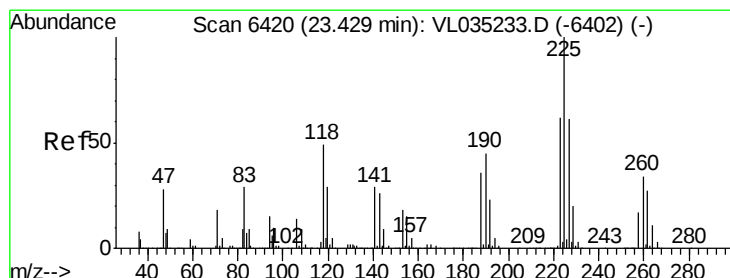
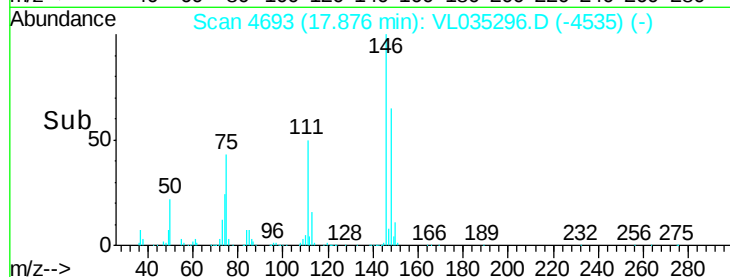
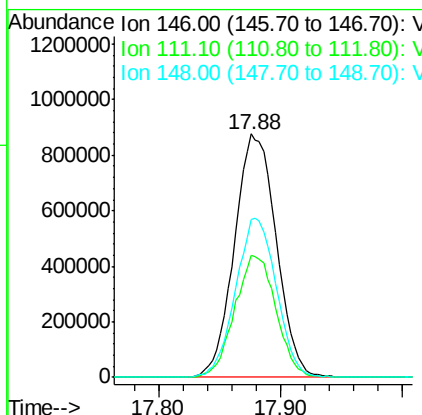
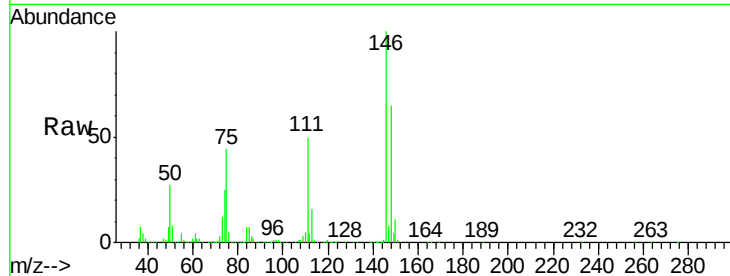
#77
 1,2-Dichlorobenzene
 Concen: 9.982 ppbv
 RT: 17.88 min Scan# 4693
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.3	24.6	73.8
148	63.9	32.0	96.0

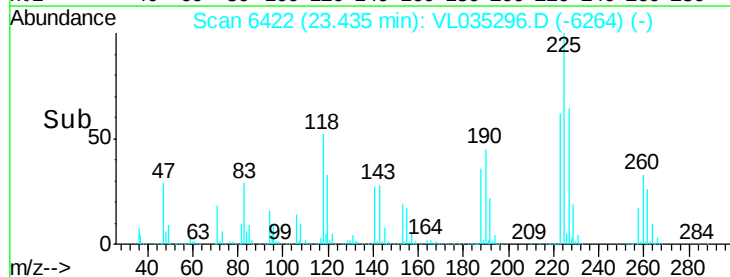
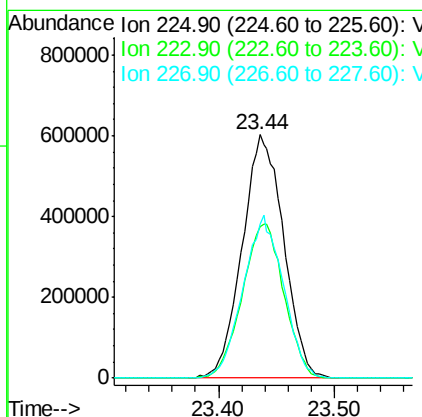
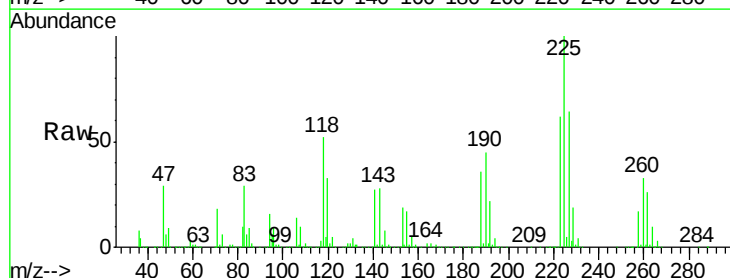
Manual Integrations
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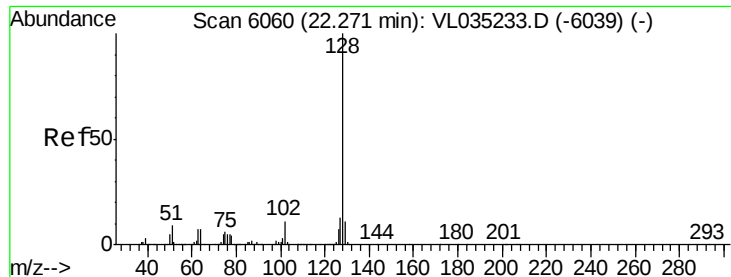
MMDadoda
 8/3/2020 12:36:34 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.761 ppbv
 RT: 23.44 min Scan# 6422
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.3	76.9
227	65.0	51.4	77.2





#79

Naphthalene

Concen: 10.228 ppbv

RT: 22.28 min Scan# 6062

Delta R.T. 0.01 min

Lab File: VL035296.D

Acq: 31 Jul 2020 2:21

Instrument :

MSVOA_L

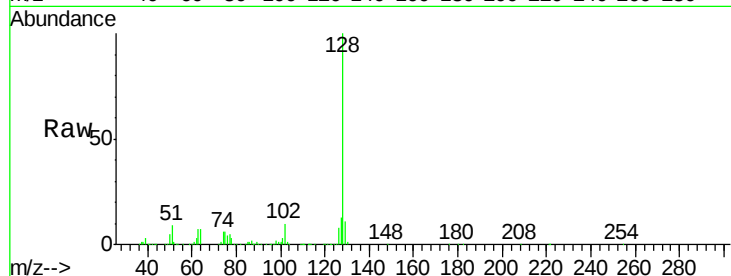
ClientSampleId :

VL0731ABS01

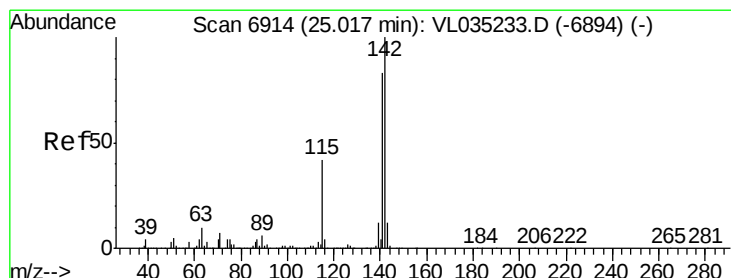
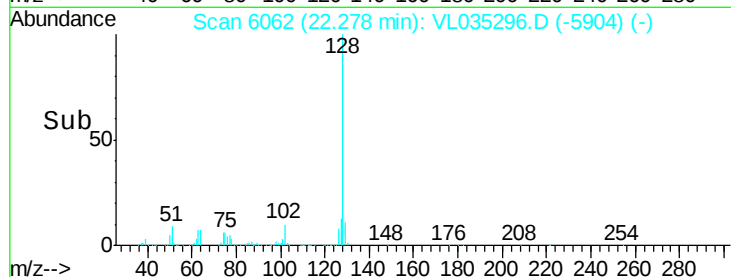
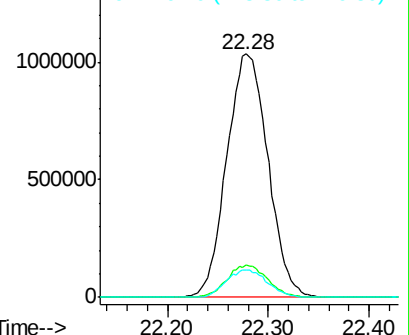
Tot Ion:	128	Resp:	2929536
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.4	8.5	12.7

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Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.310 ppbv

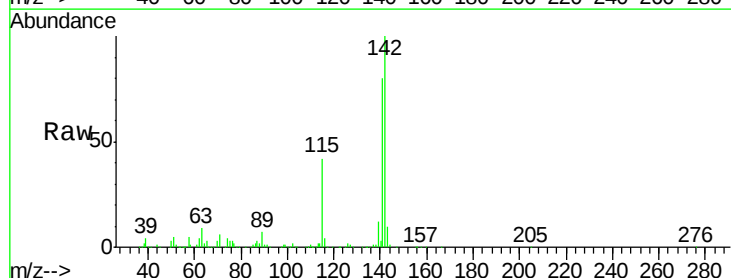
RT: 25.02 min Scan# 6916

Delta R.T. 0.01 min

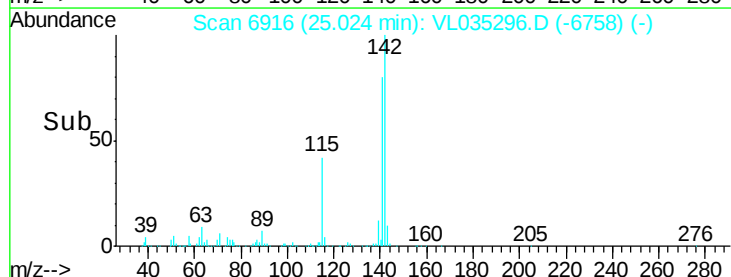
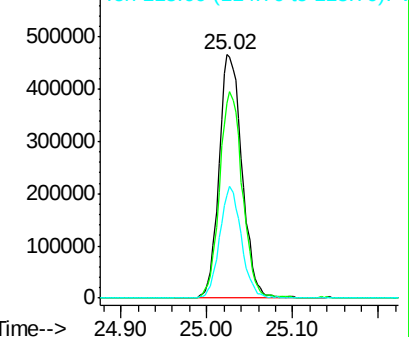
Lab File: VL035296.D

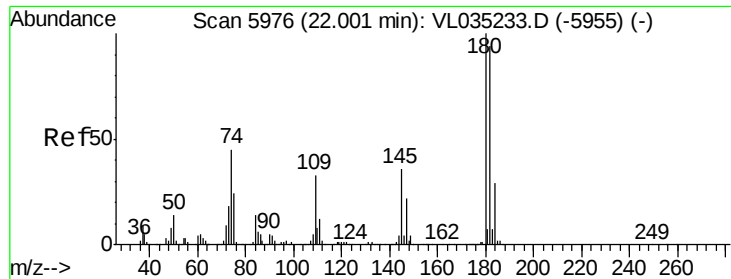
Acq: 31 Jul 2020 2:21

Tgt Ion:	142	Resp:	862911
Ion	Ratio	Lower	Upper
142	100		
141	84.8	68.6	103.0
115	43.3	34.5	51.7



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





#81
 1,2,4-Trichlorobenzene
 Concen: 9.716 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.01 min
 Lab File: VL035296.D
 Acq: 31 Jul 2020 2:21

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0731ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.7	115.1
184	31.2	24.7	37.1

Manual Integrations
 APPROVED

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 8/3/2020 12:36:34 PM

