

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035234.D
 Acq On : 29 Jul 2020 3:24
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

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 7/30/2020 6:10:20 PM

Quant Time: Jul 29 06:05:32 2020
 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
 QLast Update : Wed Jul 29 03:31:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1475802	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3551526	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	3400561	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2687108	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	353734	1.743	ppbv	93
3) Chlorodifluoromethane	2.94	51	353255	2.161	ppbv	98
4) Chloromethane	3.10	50	196245	2.127	ppbv	98
5) Vinyl Chloride	3.22	62	200347	2.030	ppbv	95
6) Bromomethane	3.44	94	122968	2.195	ppbv	98
7) Chloroethane	3.52	64	73704	2.111	ppbv	98
8) Dichlorotetrafluoroethane	3.15	85	466500	2.049	ppbv	100
9) Propene	2.97	41	125342	2.048	ppbv	95
10) Heptane	8.13	43	330740m	2.081	ppbv	
11) Trichlorofluoromethane	3.92	101	500459	2.128	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.46	101	355250	2.150	ppbv	100
13) Ethanol	3.57	45	55525m	2.763	ppbv	
14) Bromoethene	3.71	108	147879	2.179	ppbv	99
15) Acetone	3.82	43	434747	2.167	ppbv	94
16) 1,3-Butadiene	3.29	39	167946	2.185	ppbv	98
17) tert-Butyl alcohol	4.27	59	399311	2.229	ppbv	100
18) 1,1-Dichloroethene	4.26	96	159219	2.174	ppbv	89
19) Isopropyl Alcohol	3.94	45	282750	2.312	ppbv	99
20) Methylene Chloride	4.32	84	205856	2.347	ppbv	99
21) Allyl Chloride	4.38	41	246187	2.107	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	151419	2.082	ppbv	90
23) Vinyl Acetate	5.05	43	420185	1.959	ppbv #	97
24) 1,1-Dichloroethane	5.00	63	401550	2.156	ppbv	97
25) Ethyl Acetate	5.67	43	681396	2.192	ppbv	98
26) Hexane	5.67	57	314503	2.290	ppbv	98
27) Carbon Disulfide	4.53	76	389763	2.041	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	442983	2.125	ppbv	100
29) Chloroform	5.74	83	494343	2.142	ppbv	87
30) Cyclohexane	7.14	84	216269	2.132	ppbv #	79
31) cis-1,2-Dichloroethene	5.54	61	258017	1.999	ppbv	94
32) 1,1,1-Trichloroethane	6.51	97	471250	2.043	ppbv	99
34) 2-Butanone	5.23	43	400275	2.113	ppbv	99
35) Carbon Tetrachloride	7.03	117	478841	2.064	ppbv	93
36) Benzene	6.90	78	541112	2.103	ppbv	94
37) 1,2-Dichloroethane	6.30	62	372878	2.146	ppbv	99
38) Trichloroethene	7.85	130	232587	2.205	ppbv	97
39) 1,2-Dichloropropane	7.62	63	217423	2.112	ppbv	94
40) 1,4-Dioxane	7.86	88	74531	1.816	ppbv #	1
41) Tetrahydrofuran	6.05	42	202076	2.144	ppbv	96
42) Bromodichloromethane	7.80	83	491865	2.120	ppbv #	92
43) Methyl Methacrylate	8.02	69	228759	2.089	ppbv	99

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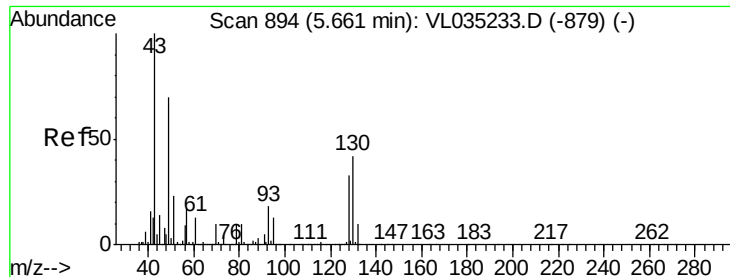
Manual Integrations
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Quant Time: Jul 29 06:05:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	999329	2.241	ppbv	99
45) t-1,3-Dichloropropene	9.30	75	215968	1.885	ppbv	96
46) cis-1,3-Dichloropropene	8.72	75	277103	2.033	ppbv	98
47) 1,1,2-Trichloroethane	9.50	97	244045	2.159	ppbv	95
48) Dibromochloromethane	10.33	129	384349	2.093	ppbv	100
49) Bromoform	13.08	173	338608	2.088	ppbv	99
50) 4-Methyl-2-Pentanone	8.76	43	588307	2.157	ppbv	97
51) 2-Hexanone	10.16	43	434401	2.080	ppbv #	98
52) Tetrachloroethene	11.25	164	195381	2.018	ppbv	92
53) Toluene	9.83	91	586220	2.149	ppbv	96
54) 1,2-Dibromoethane	10.64	107	361267	2.156	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.16	131	328808	2.153	ppbv #	1
57) Chlorobenzene	12.18	112	551961	2.168	ppbv	97
58) Ethyl Benzene	12.74	91	822611	2.163	ppbv	96
59) m/p-Xylene	13.03	91	1524283m	4.484	ppbv	
60) o-Xylene	13.73	91	764338	2.254	ppbv	98
61) Styrene	13.56	104	465524	2.223	ppbv	99
62) Isopropylbenzene	14.71	105	1132093	2.252	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.72	83	596909	2.107	ppbv	100
64) n-propylbenzene	15.61	120	300483	2.308	ppbv	89
65) tert-Butylbenzene	16.79	119	1044211	2.313	ppbv	98
66) Benzyl Chloride	17.03	91	356101	2.190	ppbv	97
67) sec-Butylbenzene	17.34	105	1539071	2.341	ppbv	98
69) p-Isopropyltoluene	17.69	119	1252641m	2.413	ppbv	
70) n-Butylbenzene	18.60	91	1357793	2.466	ppbv	96
71) 2-Chlorotoluene	15.49	91	849377	2.231	ppbv	98
72) 4-Ethyltoluene	15.88	105	861989	2.248	ppbv	98
73) 1,3,5-Trimethylbenzene	16.04	105	841559	2.281	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	969137	2.366	ppbv #	87
75) 1,3-Dichlorobenzene	17.04	146	584953	2.246	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	555906	2.300	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	537715	2.289	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	455657	2.476	ppbv	98
79) Naphthalene	22.27	128	803909	2.952	ppbv	97
80) Naphthalene, 2-methyl-	25.02	142	220974	3.406	ppbv	98
81) 1,2,4-Trichlorobenzene	22.00	180	471111	2.742	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

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Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1475802

Ion Ratio Lower Upper

49 100

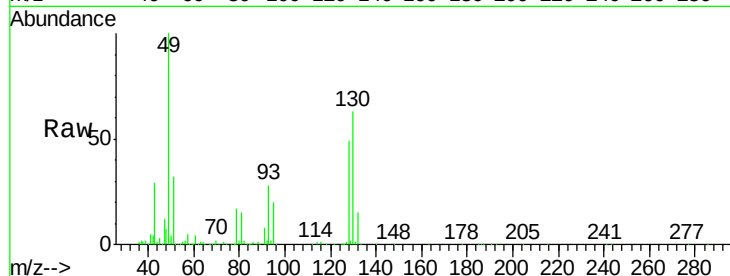
128 48.5 24.0 72.0

130 62.7 30.7 92.1

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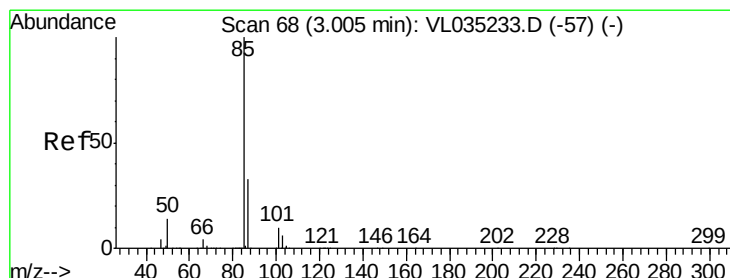
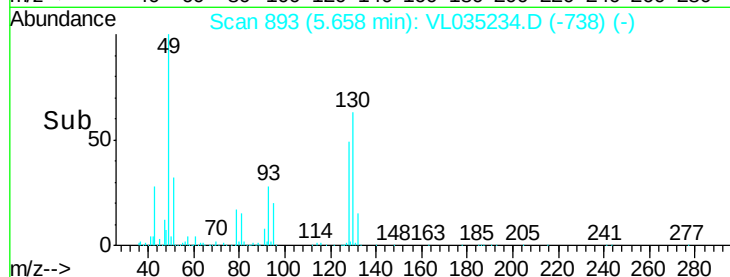
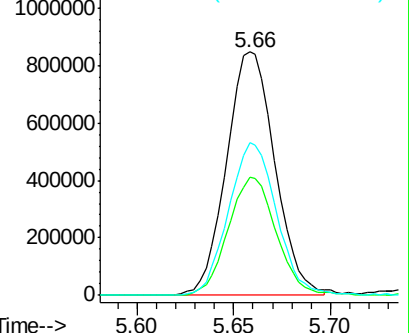
7/30/2020 6:10:20 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 1.743 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL035234.D

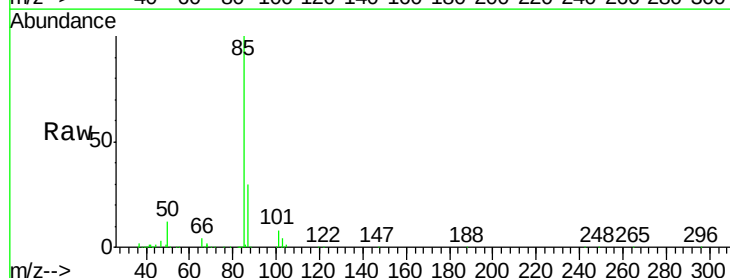
Acq: 29 Jul 2020 3:24

Tgt Ion: 85 Resp: 353734

Ion Ratio Lower Upper

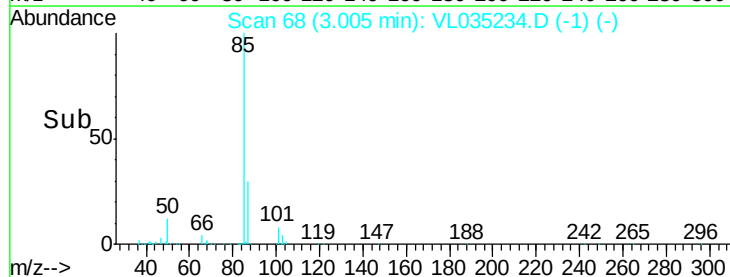
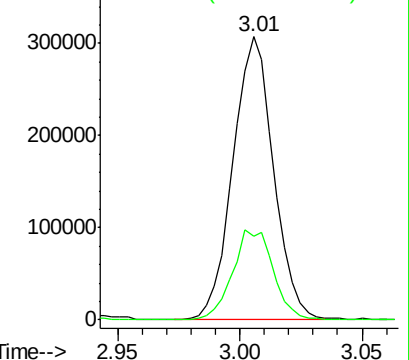
85 100

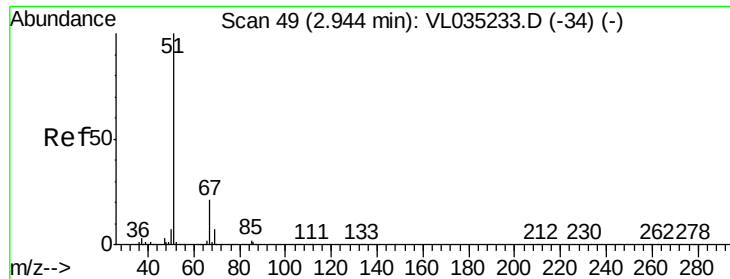
87 29.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.161 ppbv

RT: 2.94 min Scan# 49

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 353255

Ion Ratio Lower Upper

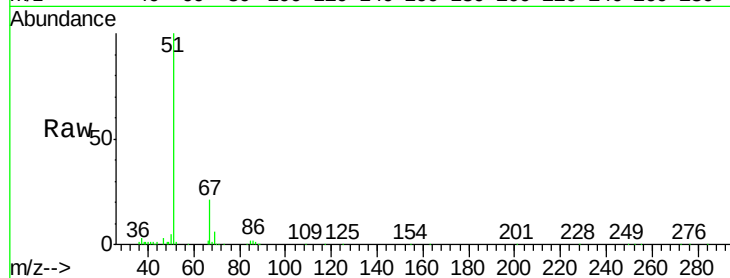
51 100

67 19.7 16.6 25.0

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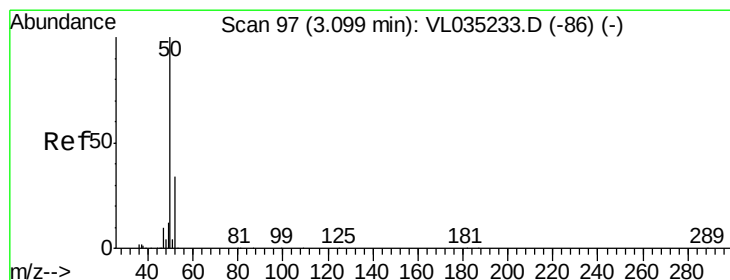
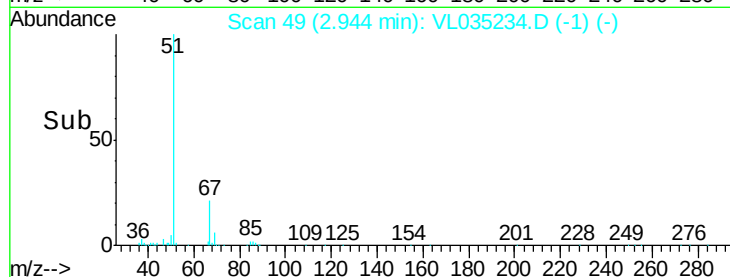
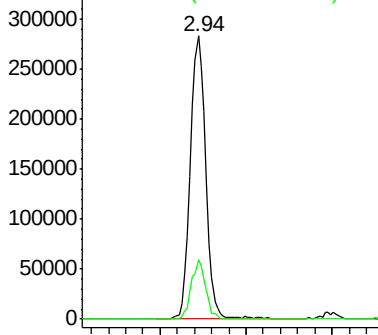
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.127 ppbv

RT: 3.10 min Scan# 97

Delta R.T. 0.00 min

Lab File: VL035234.D

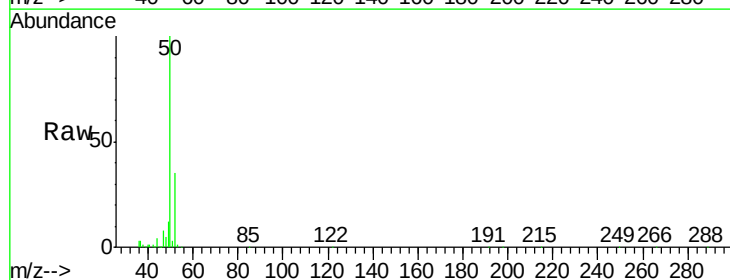
Acq: 29 Jul 2020 3:24

Tgt Ion: 50 Resp: 196245

Ion Ratio Lower Upper

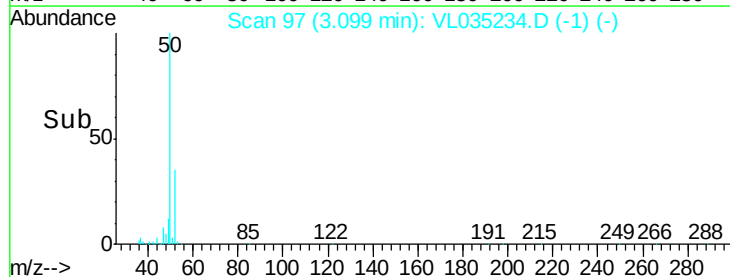
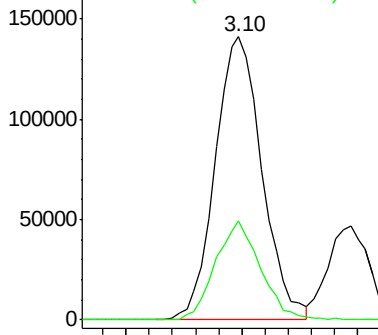
50 100

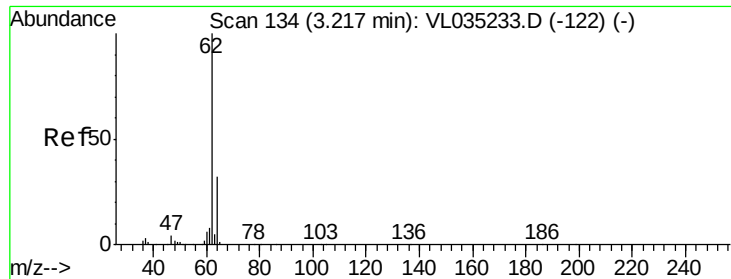
52 35.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 2.030 ppbv

RT: 3.22 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 200347

Ion Ratio Lower Upper

62 100

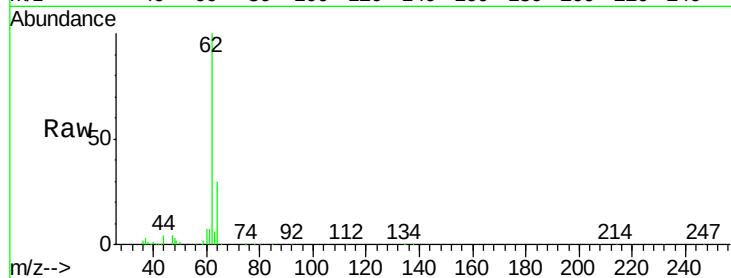
64 29.5 25.8 38.6

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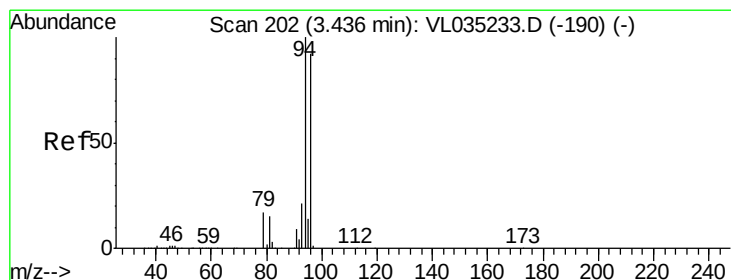
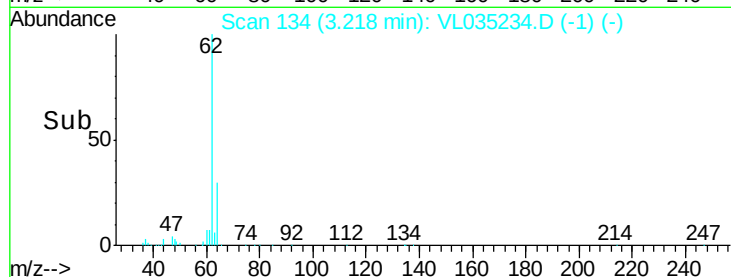
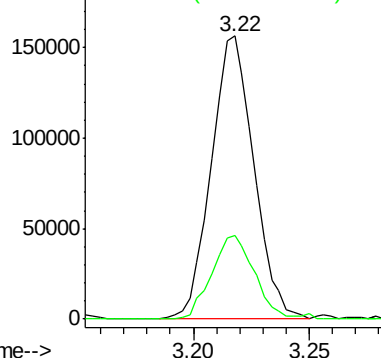
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 2.195 ppbv

RT: 3.44 min Scan# 202

Delta R.T. 0.00 min

Lab File: VL035234.D

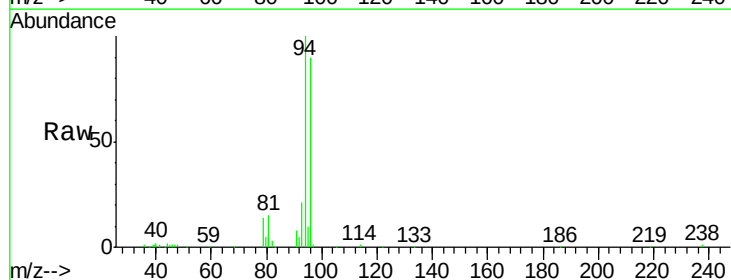
Acq: 29 Jul 2020 3:24

Tgt Ion: 94 Resp: 122968

Ion Ratio Lower Upper

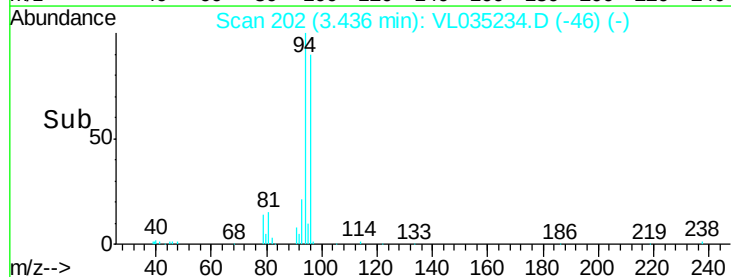
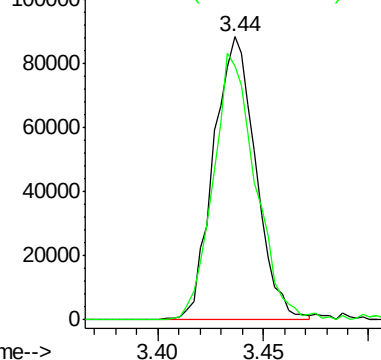
94 100

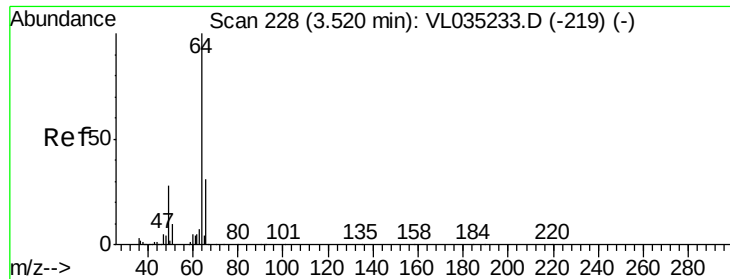
96 89.8 73.2 109.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 2.111 ppbv

RT: 3.52 min Scan# 229

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 73704

Ion Ratio Lower Upper

64 100

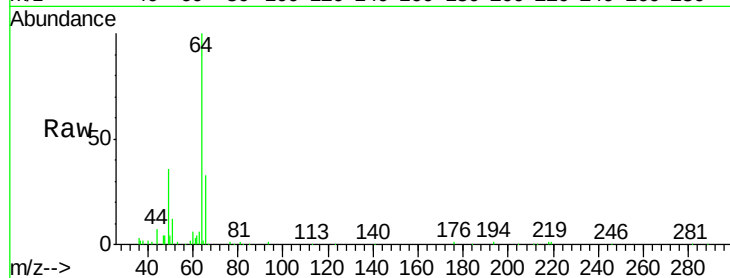
66 33.1 25.6 38.4

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

60000

50000

40000

30000

20000

10000

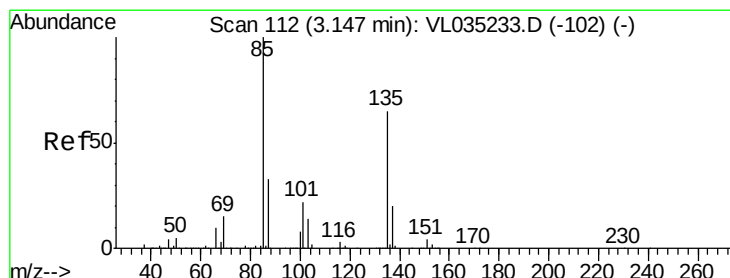
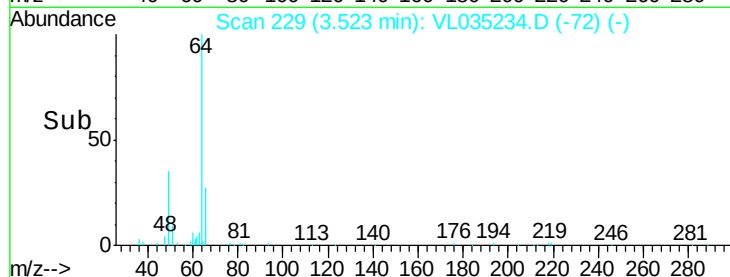
0

3.50

3.52

3.55

Time-->



#8

Dichlorotetrafluoroethane

Concen: 2.049 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL035234.D

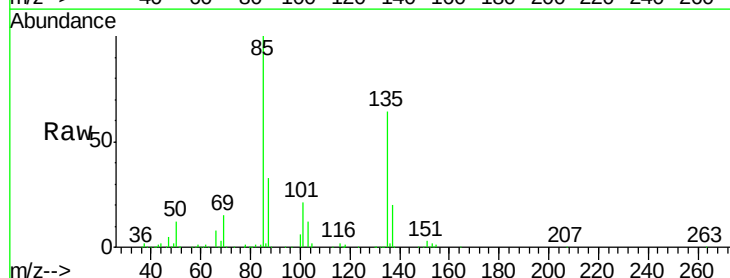
Acq: 29 Jul 2020 3:24

Tgt Ion: 85 Resp: 466500

Ion Ratio Lower Upper

85 100

135 64.1 51.4 77.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

400000

300000

200000

100000

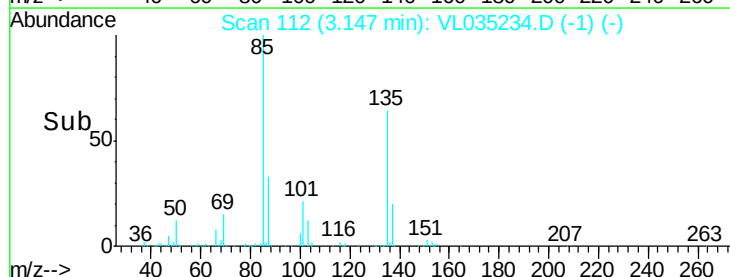
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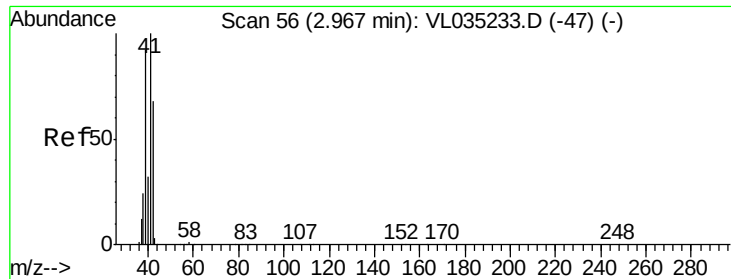
3.10

3.15

3.20

Time-->





#9

Propene

Concen: 2.048 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 125342

Ion Ratio Lower Upper

41 100

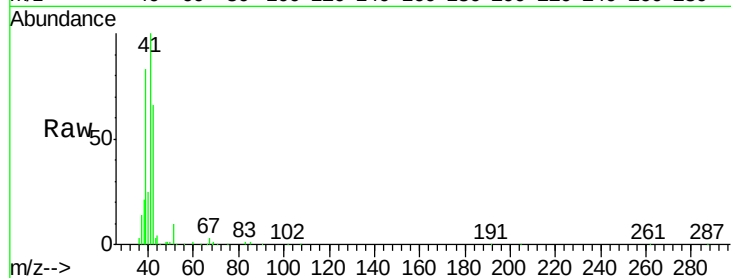
42 72.8 55.0 82.6

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.97

120000

100000

80000

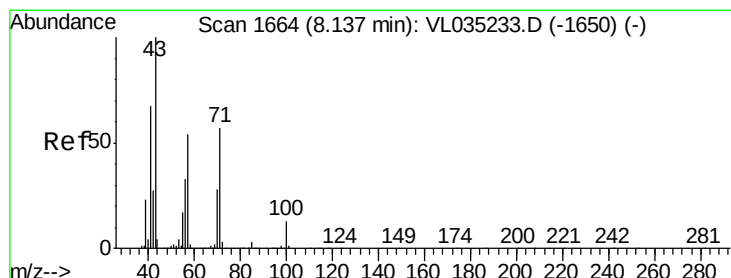
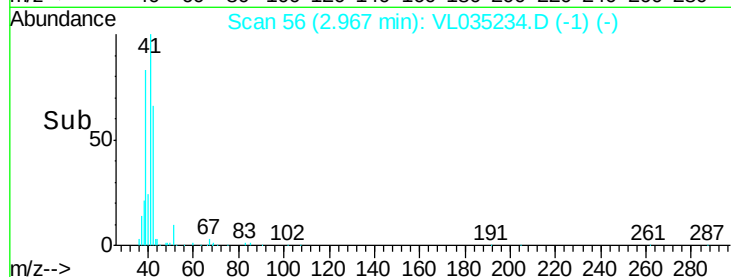
60000

40000

20000

0

Time-->



#10

Heptane

Concen: 2.081 ppbv m

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035234.D

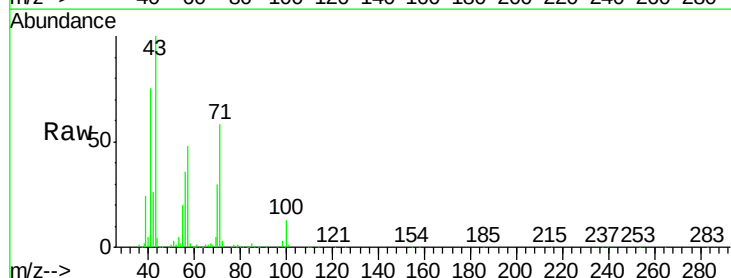
Acq: 29 Jul 2020 3:24

Tgt Ion: 43 Resp: 330740

Ion Ratio Lower Upper

43 100

57 52.3 43.0 64.4



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

8.13

200000

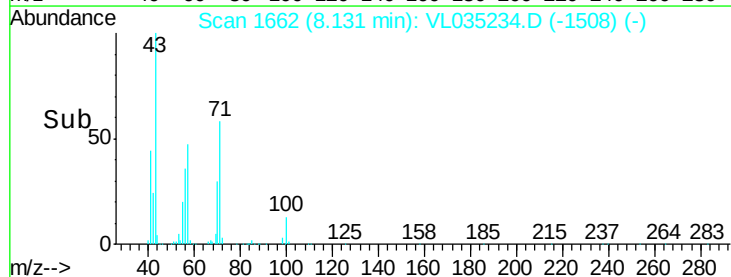
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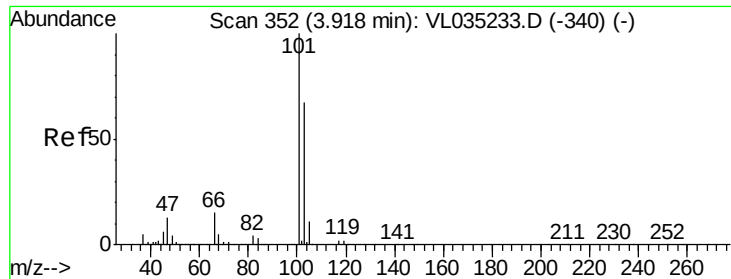
100000

50000

0

Time-->





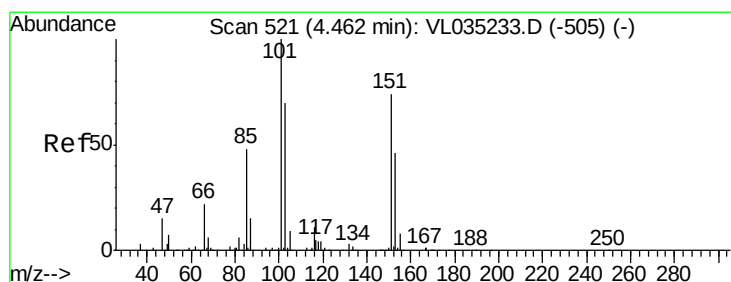
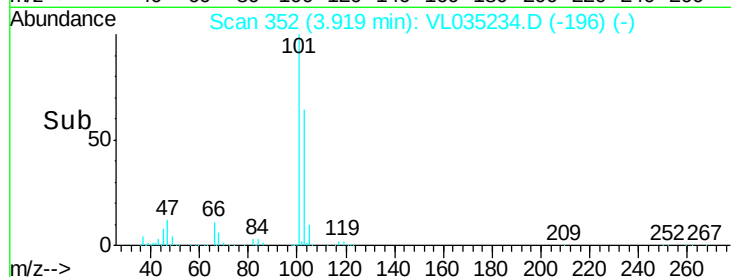
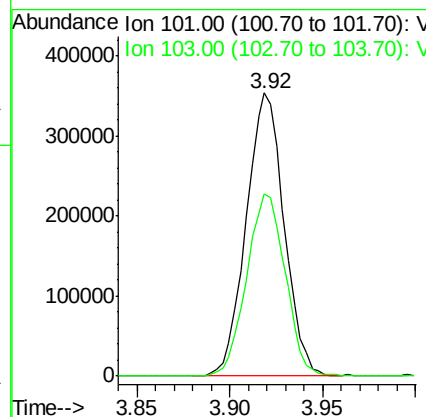
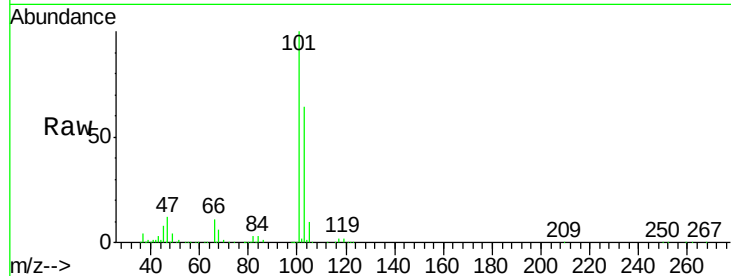
#11
 Trichlorofluoromethane
 Concen: 2.128 ppbv
 RT: 3.92 min Scan# 352
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	53.4	80.0

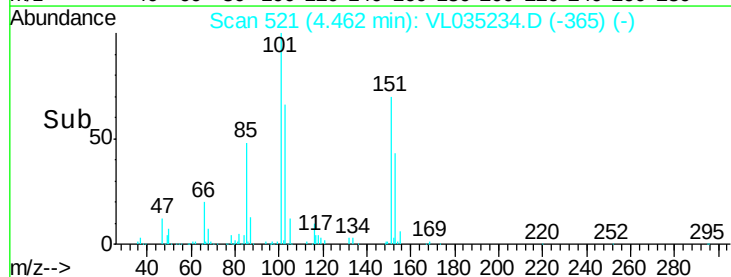
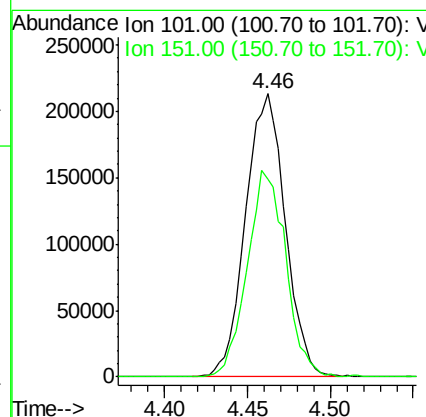
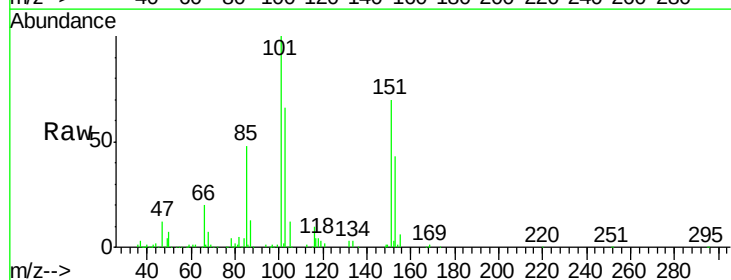
Manual Integrations
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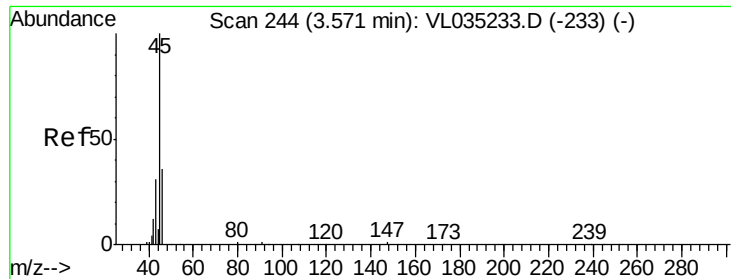
MMDadoda
 7/30/2020 6:10:20 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.150 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
101	100		
151	70.8	56.6	85.0





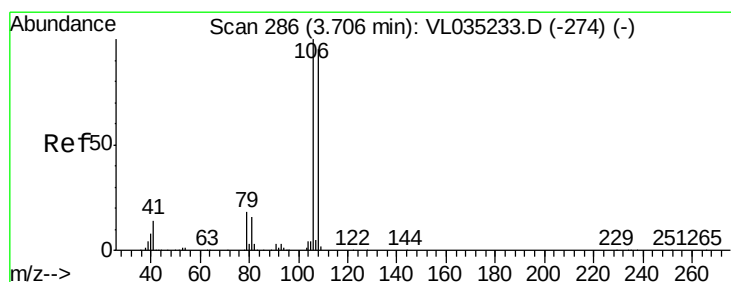
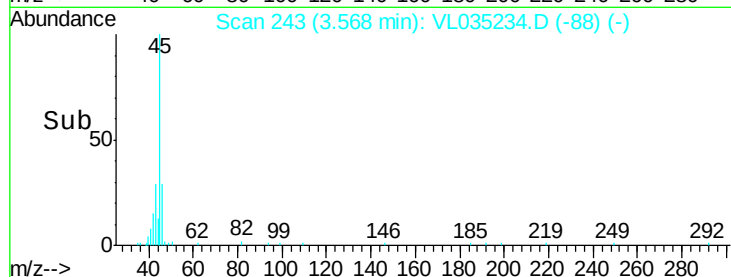
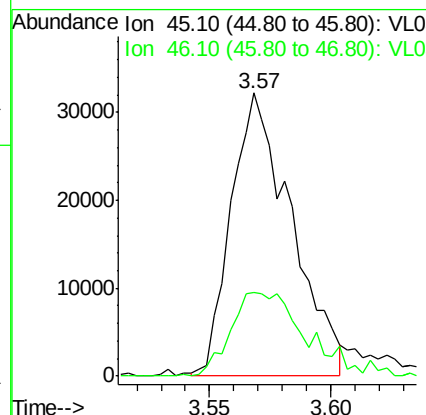
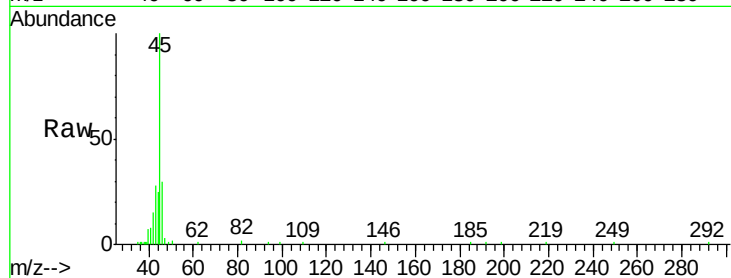
#13
Ethanol
Concen: 2.763 ppbv m
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
46	37.2	15.8	63.4

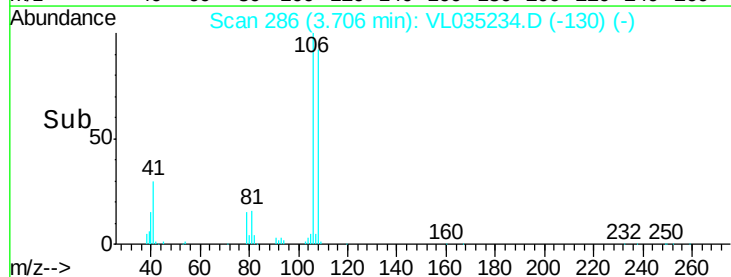
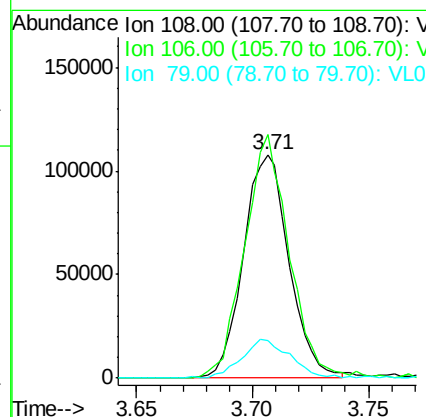
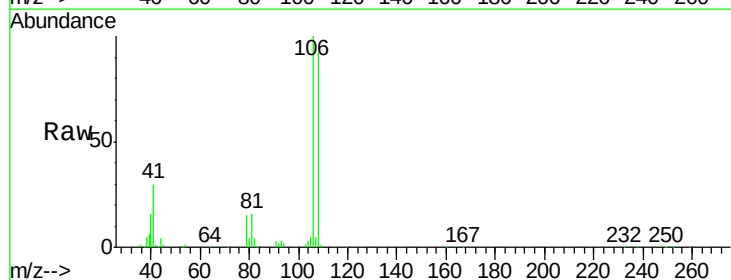
Manual Integrations
APPROVED

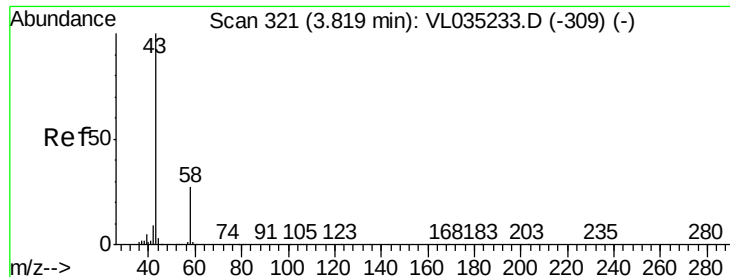
MMDadoda
7/30/2020 6:10:20 PM



#14
Bromoethene
Concen: 2.179 ppbv
RT: 3.71 min Scan# 286
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.2	85.0	127.6
79	18.9	15.4	23.2





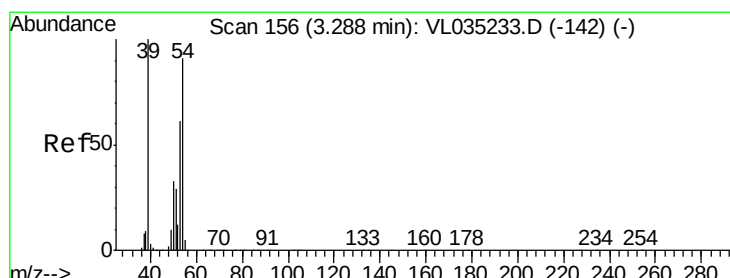
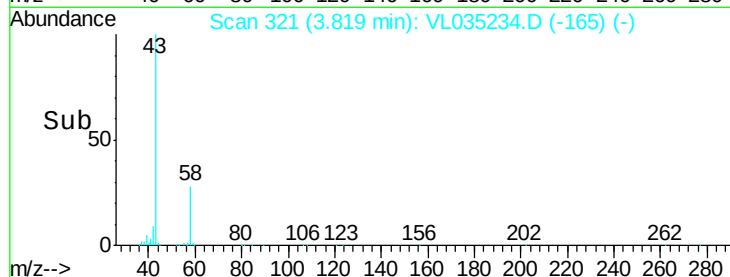
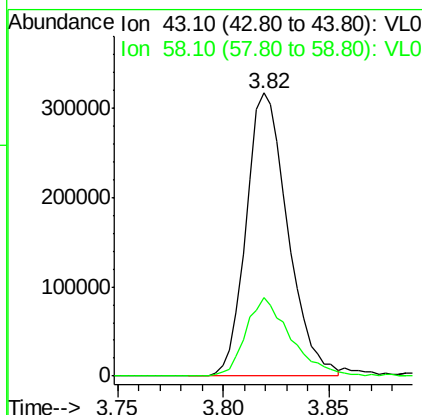
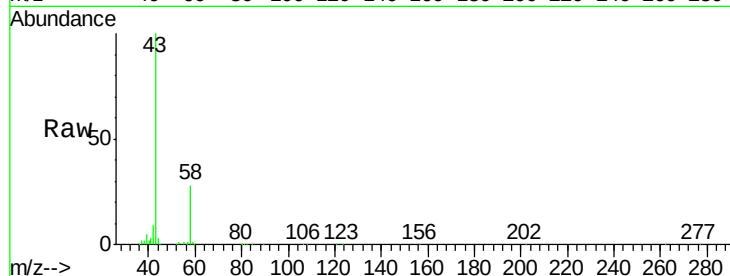
#15
Acetone
Concen: 2.167 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 43 Resp: 434747
Ion Ratio Lower Upper
43 100
58 30.5 21.8 32.6

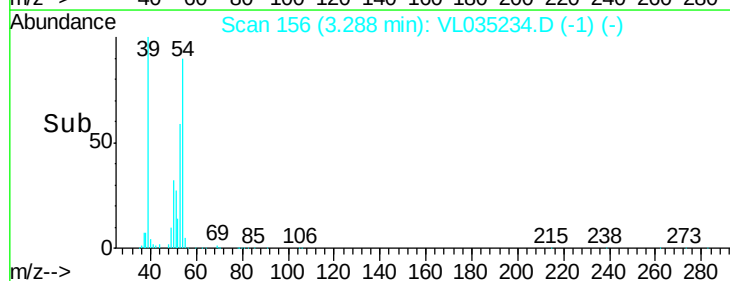
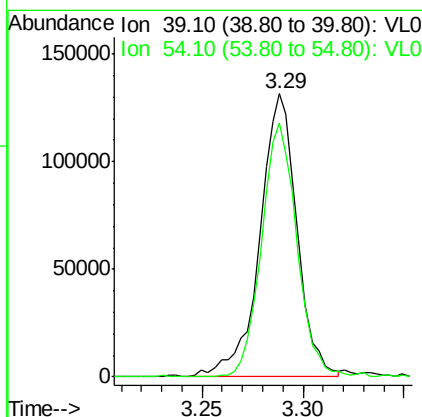
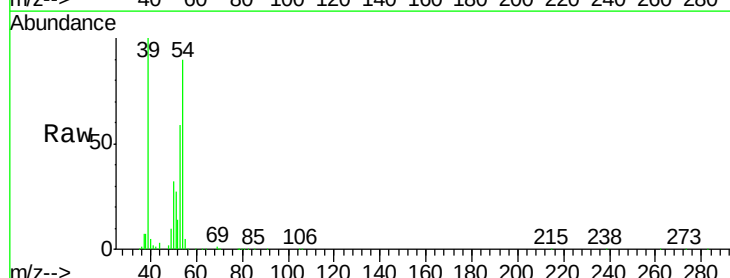
Manual Integrations
APPROVED

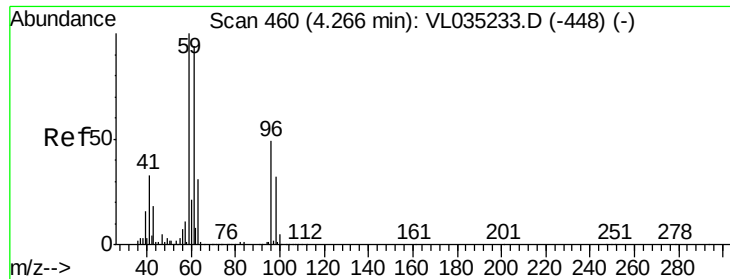
MMDadoda
7/30/2020 6:10:20 PM



#16
1,3-Butadiene
Concen: 2.185 ppbv
RT: 3.29 min Scan# 156
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion: 39 Resp: 167946
Ion Ratio Lower Upper
39 100
54 86.8 68.2 102.2





#17

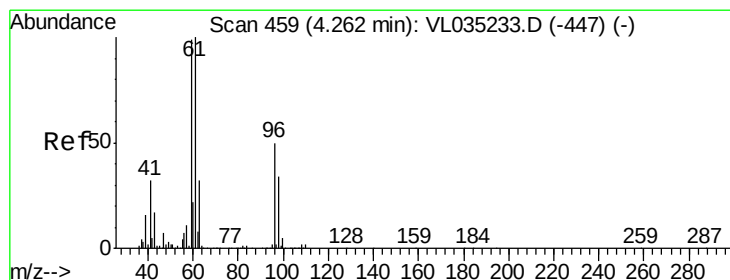
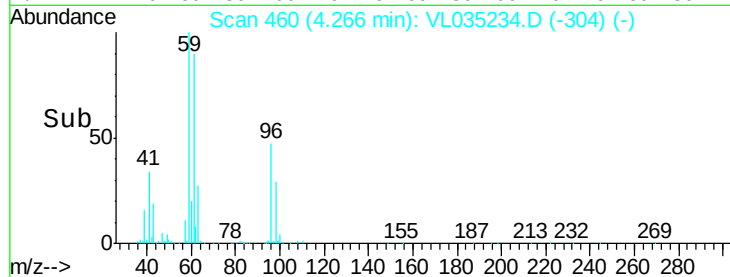
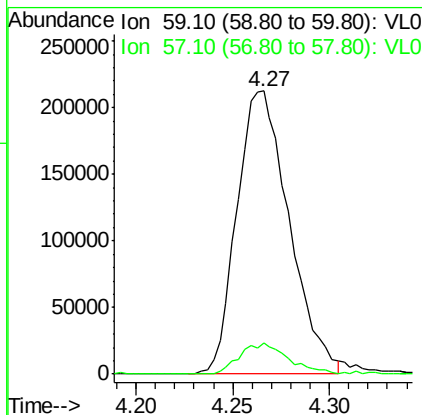
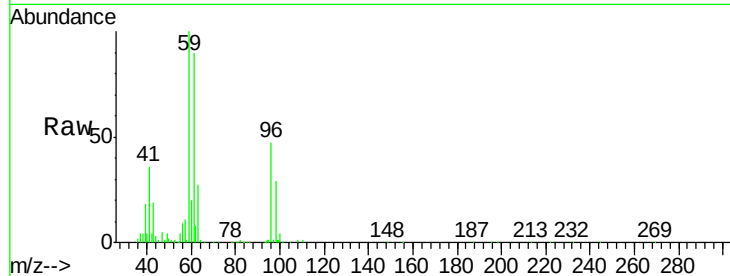
tert-Butyl alcohol
Concen: 2.229 ppbv
RT: 4.27 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.6	12.8

Manual Integrations
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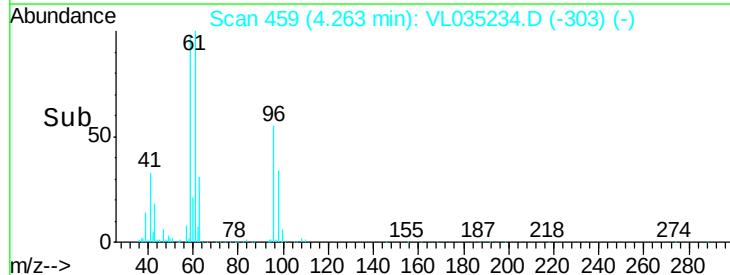
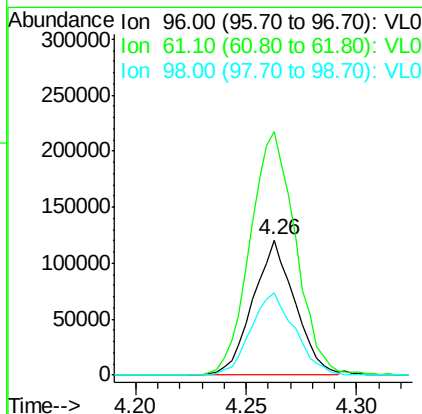
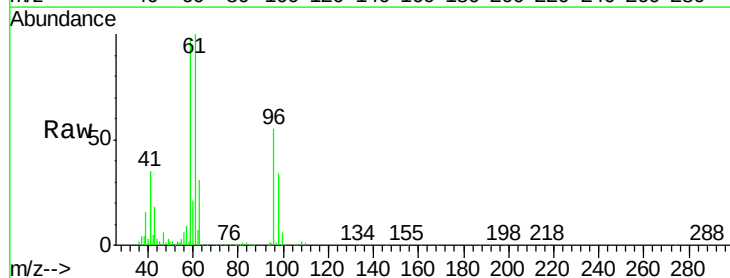
MMDadoda
7/30/2020 6:10:20 PM

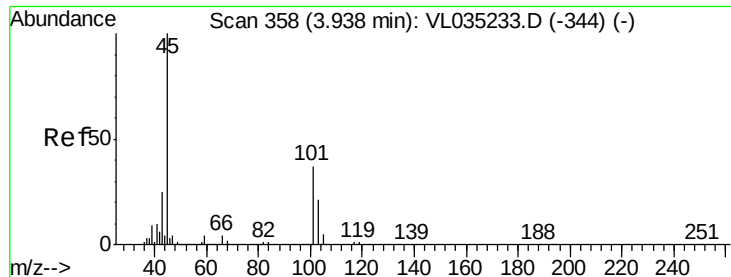


#18

1,1-Dichloroethene
Concen: 2.174 ppbv
RT: 4.26 min Scan# 459
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.3	159.4	239.2
98	61.2	53.9	80.9





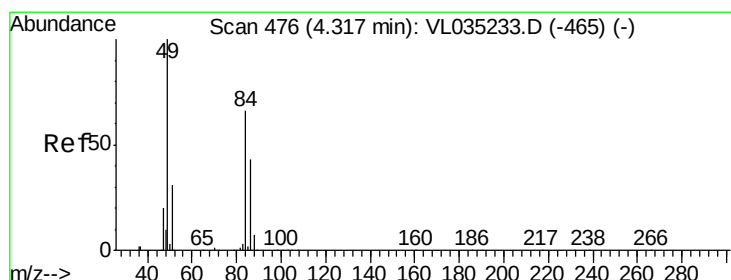
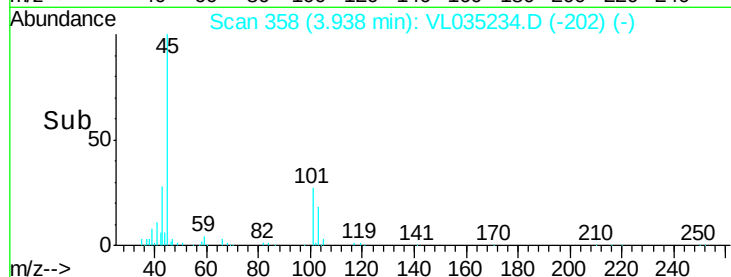
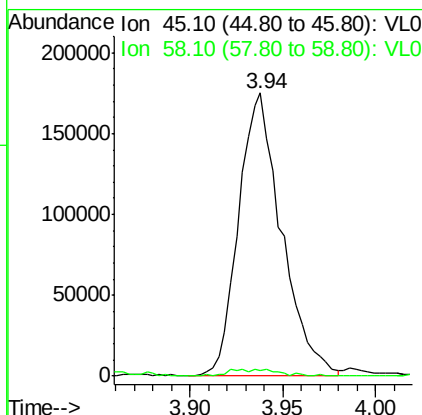
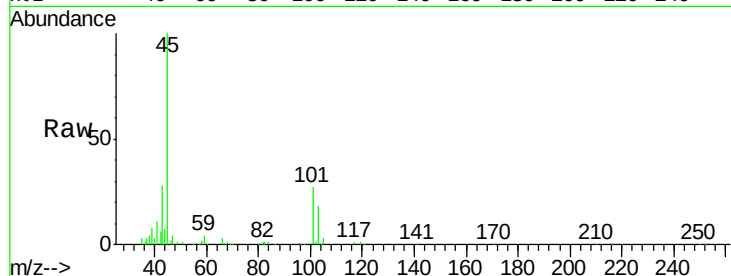
#19
Isopropyl Alcohol
Concen: 2.312 ppbv
RT: 3.94 min Scan# 358
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.8	1.9	2.9

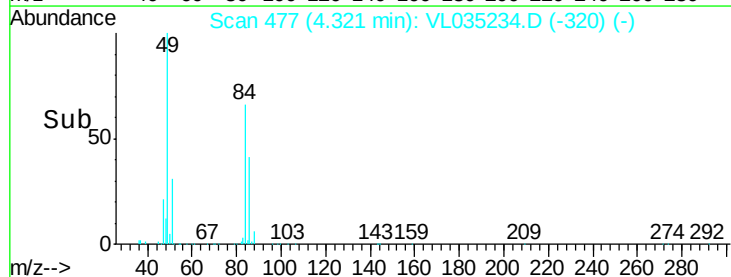
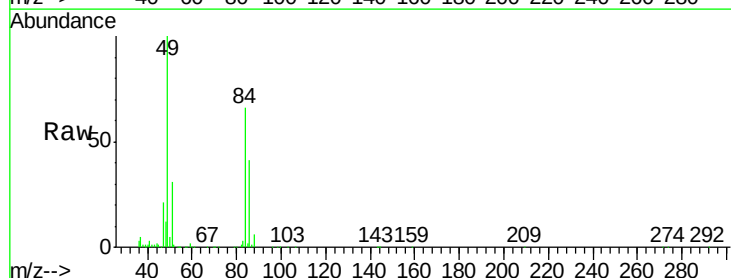
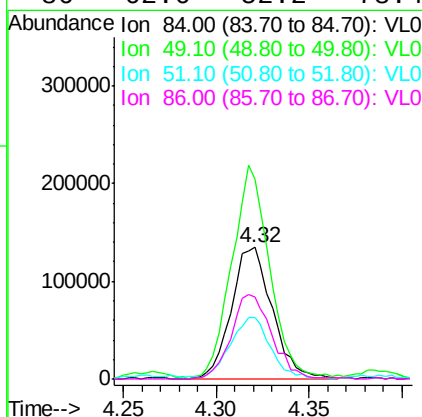
Manual Integrations
APPROVED

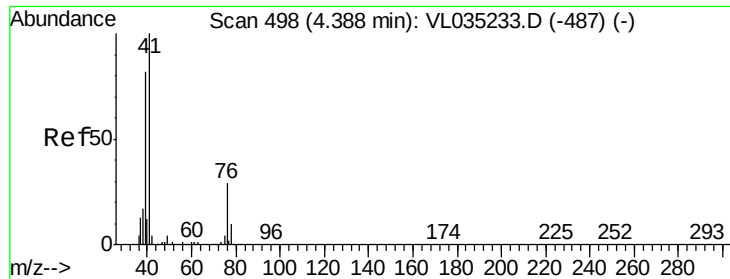
MMDadoda
7/30/2020 6:10:20 PM



#20
Methylene Chloride
Concen: 2.347 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.9	121.0	181.4
51	46.5	37.7	56.5
86	62.6	52.2	78.4





#21

Allvl Chloride

Concen: 2.107 ppbv

RT: 4.38 min Scan# 497

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

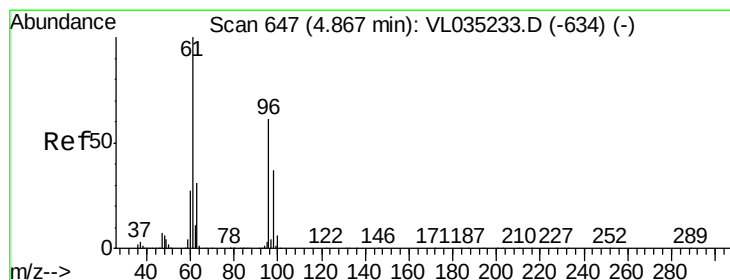
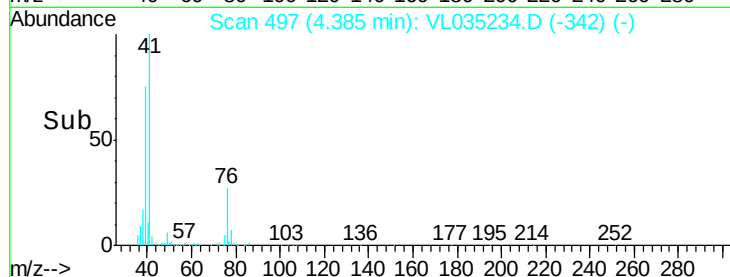
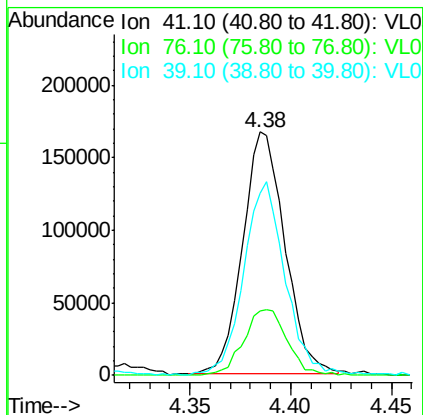
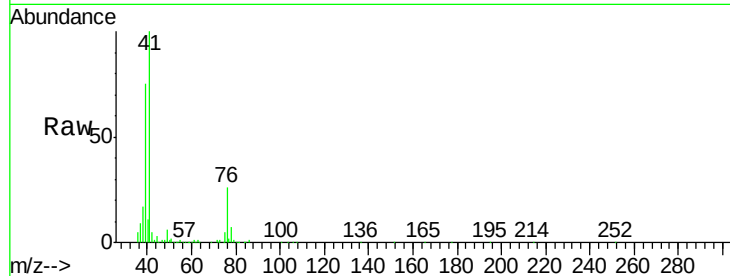
ClientSampleId :

VSTDIC002

Tot Ion:	41	Resp:	246187
Ion Ratio		Lower	Upper
41	100		
76	28.1	24.4	36.6
39	77.7	63.8	95.8

Manual Integrations
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7/30/2020 6:10:20 PM



#22

trans-1,2-Dichloroethene

Concen: 2.082 ppbv

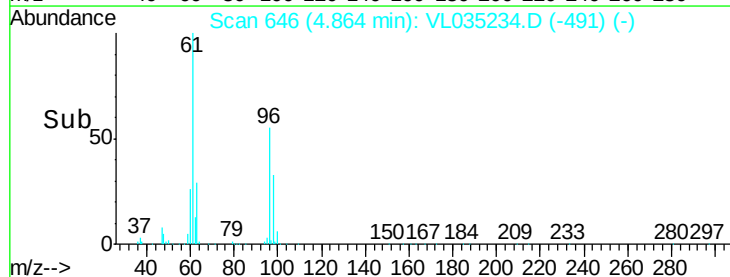
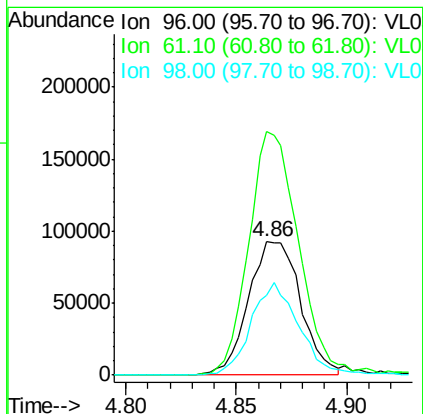
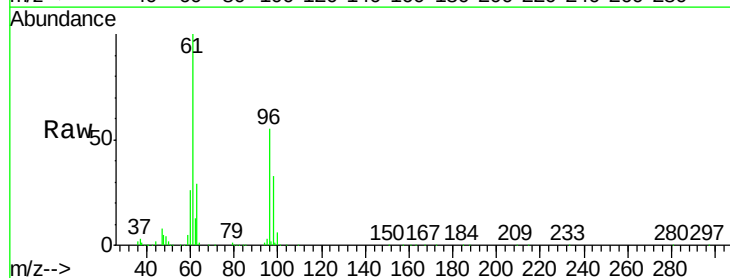
RT: 4.86 min Scan# 646

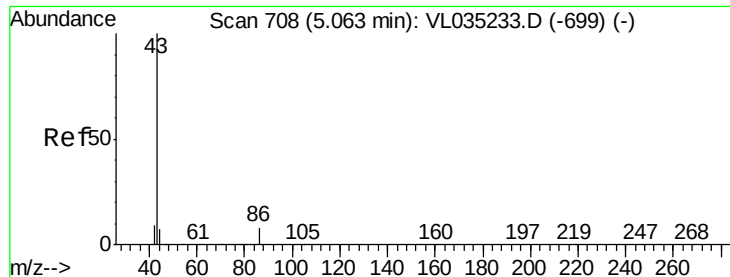
Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion:	96	Resp:	151419
Ion Ratio		Lower	Upper
96	100		
61	182.7	131.6	197.4
98	60.1	49.0	73.4





#23

Vinyl Acetate

Concen: 1.959 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.01 min

Lab File: VL035234.D

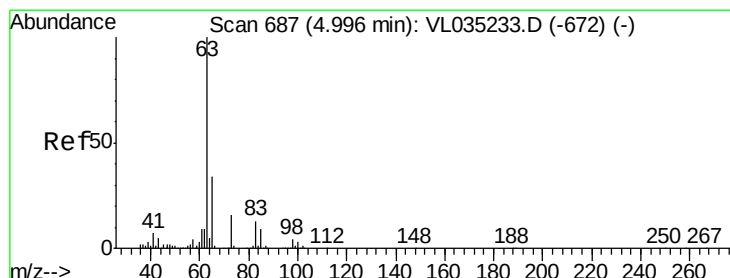
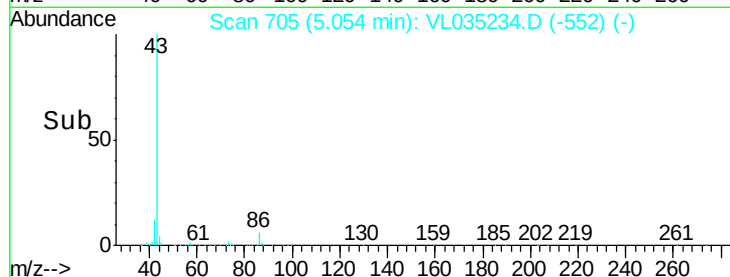
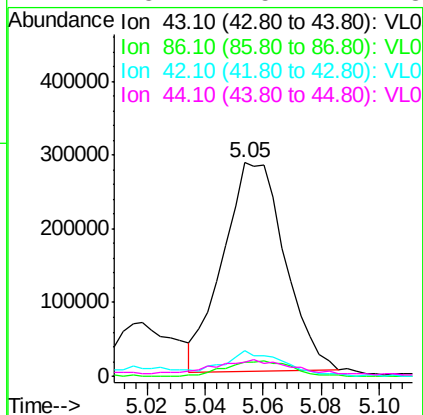
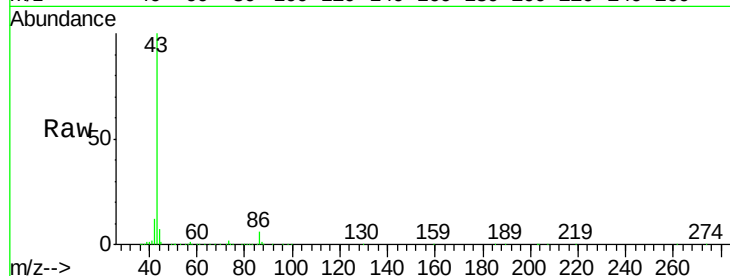
Acq: 29 Jul 2020 3:24

Tot Ion	43	Resp	420185
Ion Ratio	Lower	Upper	
43	100		
86	6.1	6.2	9.2#
42	11.2	8.0	12.0
44	5.7	5.2	7.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 2.156 ppbv

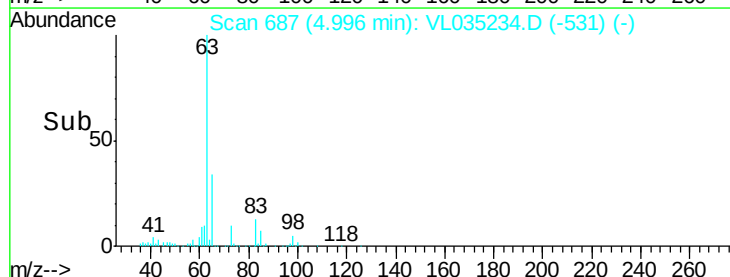
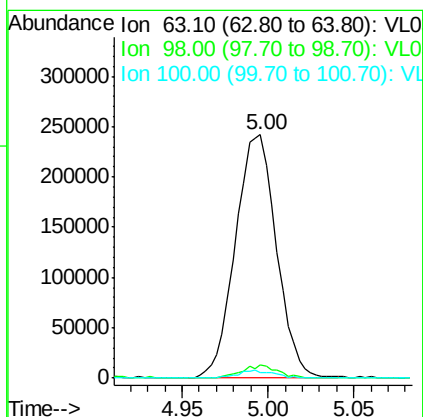
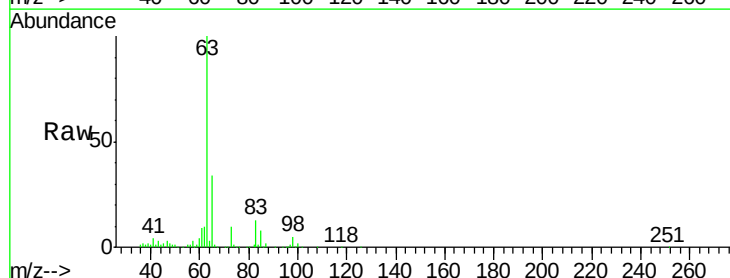
RT: 5.00 min Scan# 687

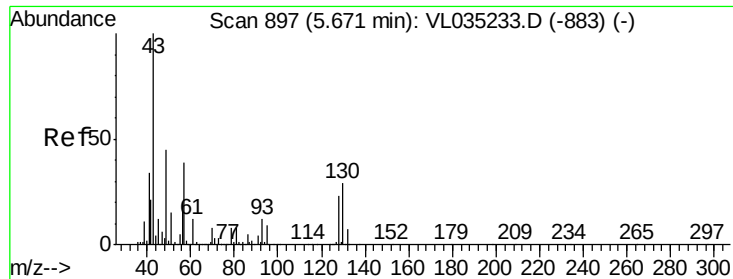
Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion	63	Resp	401550
Ion Ratio	Lower	Upper	
63	100		
98	5.2	1.9	5.7
100	2.4	1.4	4.2





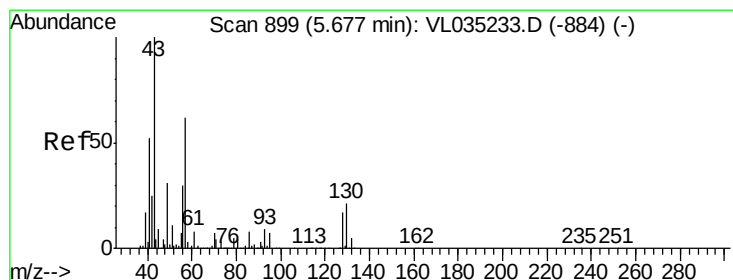
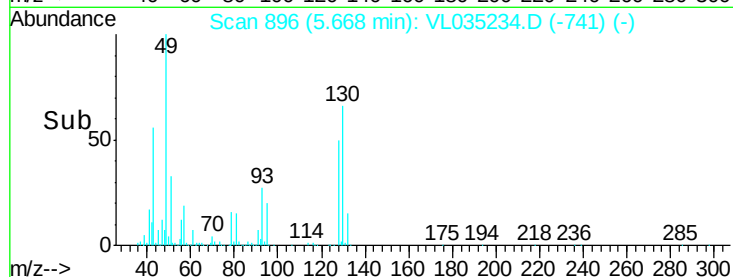
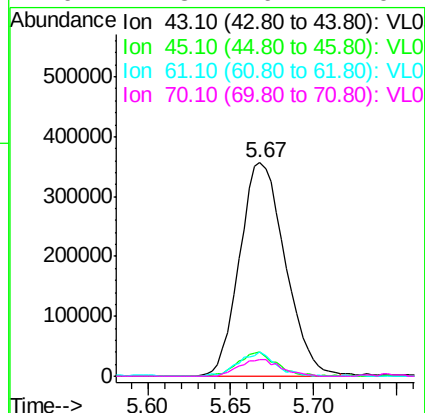
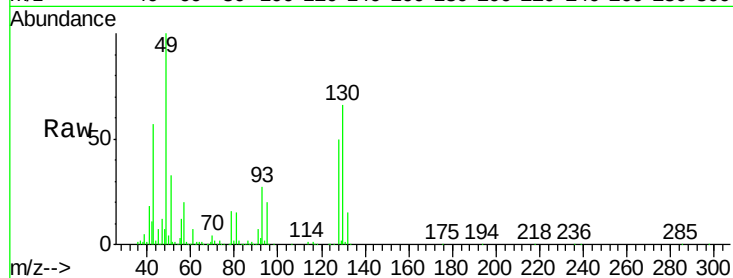
#25
Ethyl Acetate
Concen: 2.192 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
45	10.0		8.5	12.7	
61	9.3		8.1	12.1	
70	7.3		6.2	9.4	

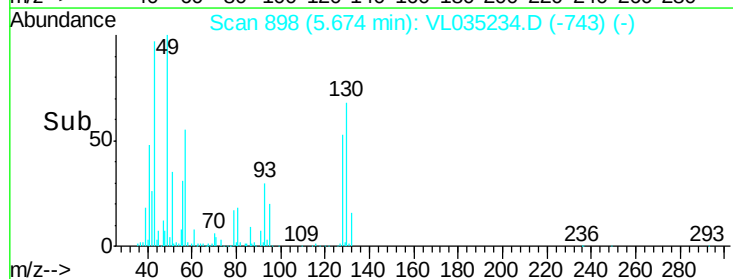
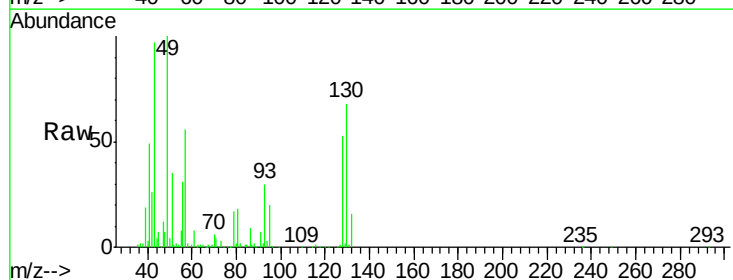
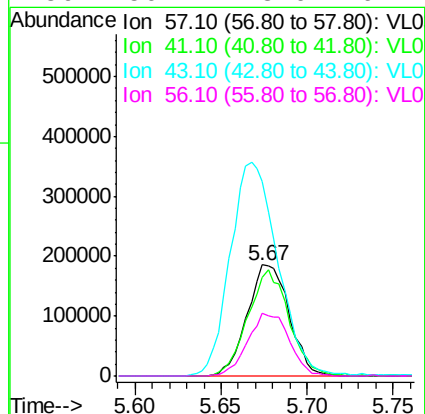
Manual Integrations
APPROVED

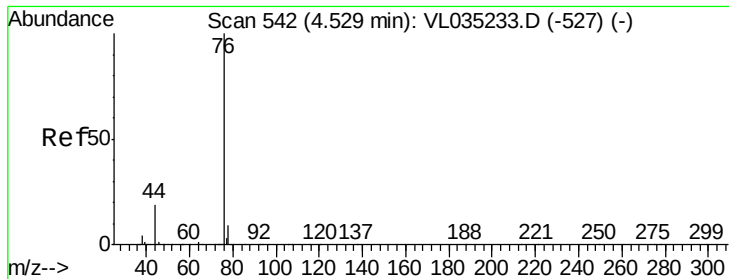
MMDadoda
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#26
Hexane
Concen: 2.290 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	94.9		73.9	110.9	
43	220.2		177.6	266.4	
56	56.1		43.0	64.4	





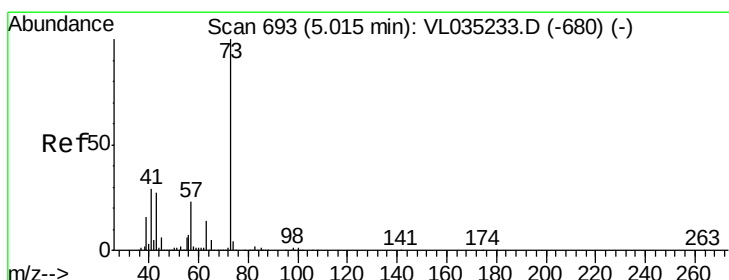
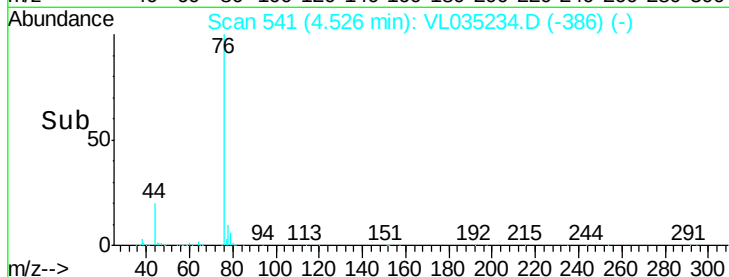
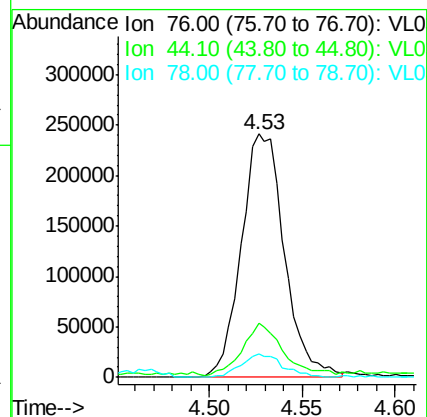
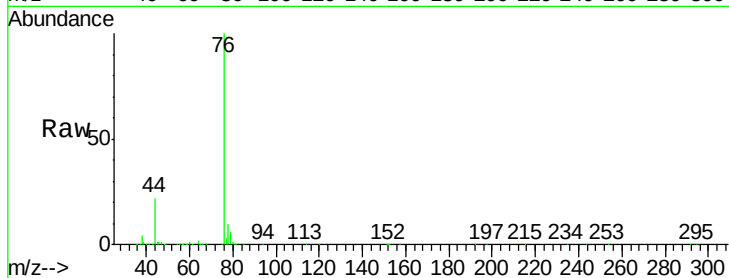
#27
Carbon Disulfide
Concen: 2.041 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.2	14.7	22.1
78	9.5	7.6	11.4

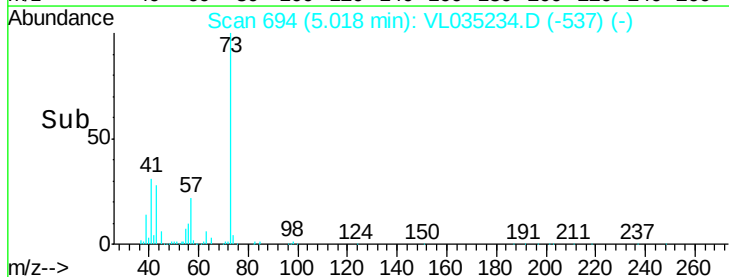
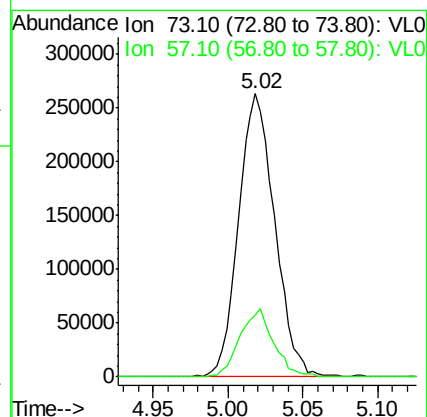
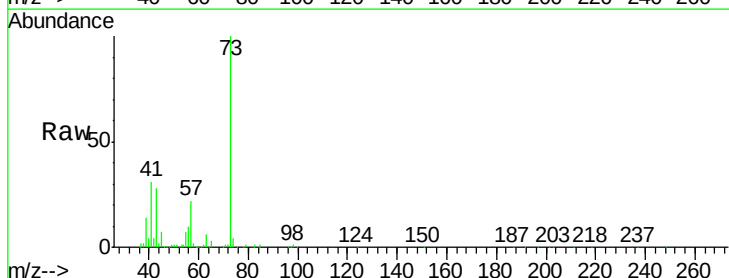
Manual Integrations
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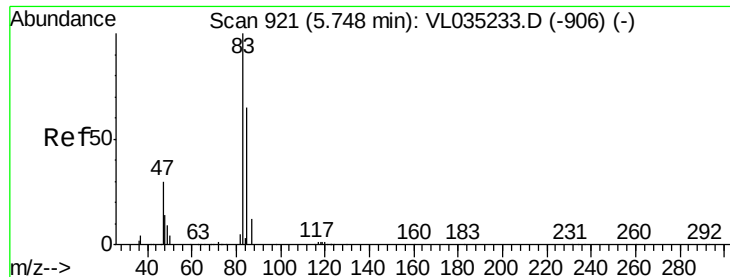
MMDadoda
7/30/2020 6:10:20 PM



#28
Methyl tert-Butyl Ether
Concen: 2.125 ppbv
RT: 5.02 min Scan# 694
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.6	18.2	27.4





#29

Chloroform

Concen: 2.142 ppbv

RT: 5.74 min Scan# 919

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 494343

Ion Ratio Lower Upper

83 100

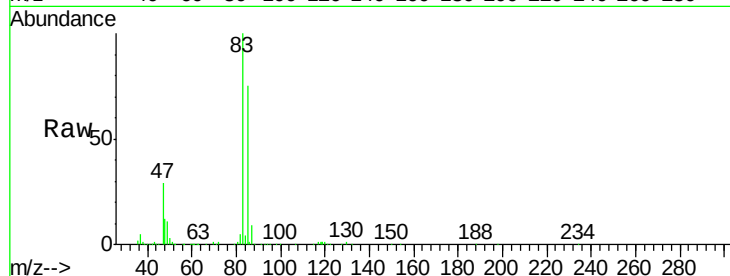
85 74.8 51.7 77.5

Manual Integrations

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MMDadoda

7/30/2020 6:10:20 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

5.74

300000

250000

200000

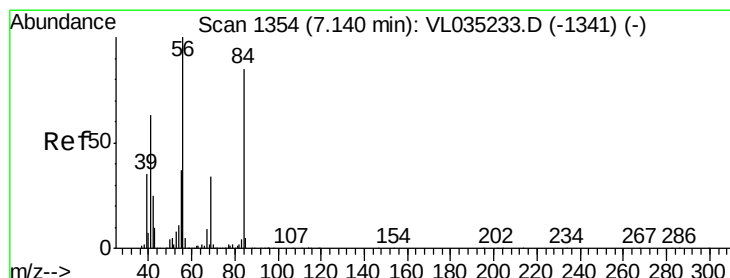
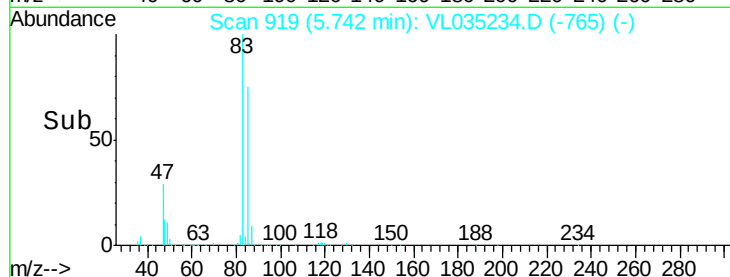
150000

100000

50000

0

Time--> 5.65 5.70 5.75 5.80



#30

Cyclohexane

Concen: 2.132 ppbv

RT: 7.14 min Scan# 1353

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

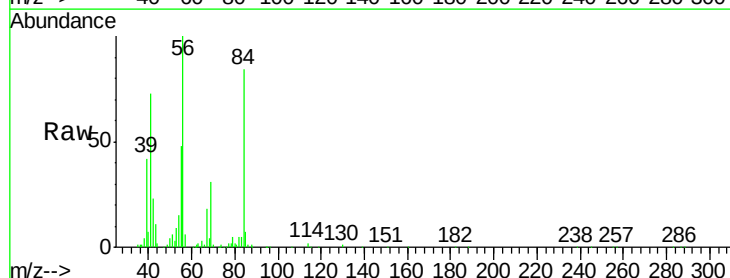
Tgt Ion: 84 Resp: 216269

Ion Ratio Lower Upper

84 100

56 165.3 104.2 156.2#

41 84.1 63.7 95.5



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

200000

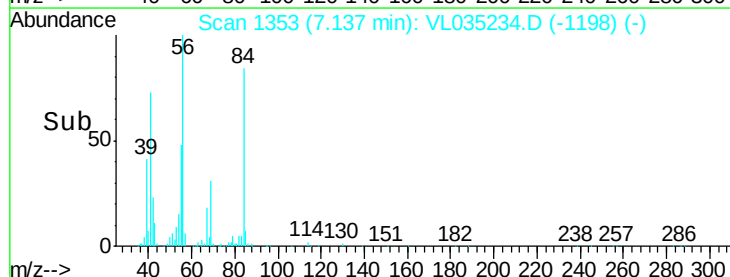
150000

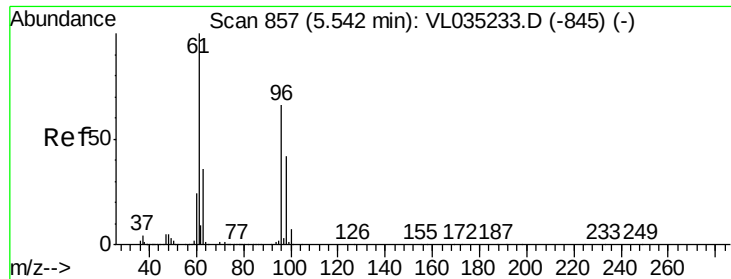
100000

50000

0

Time--> 7.10 7.15 7.20





#31

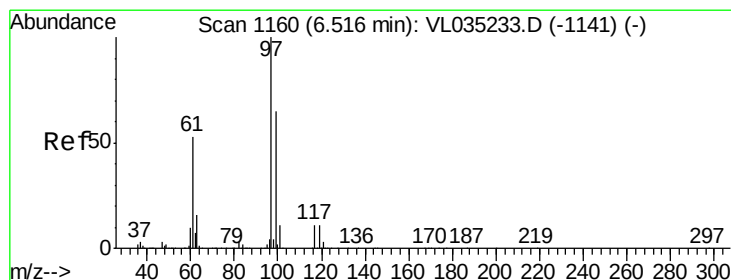
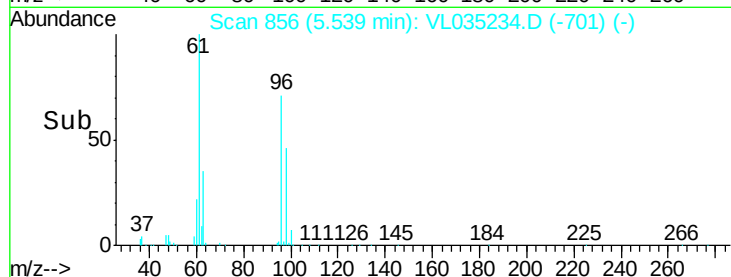
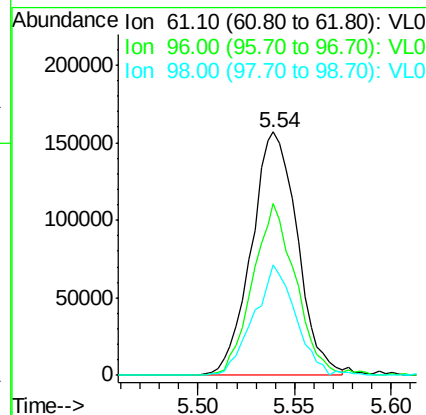
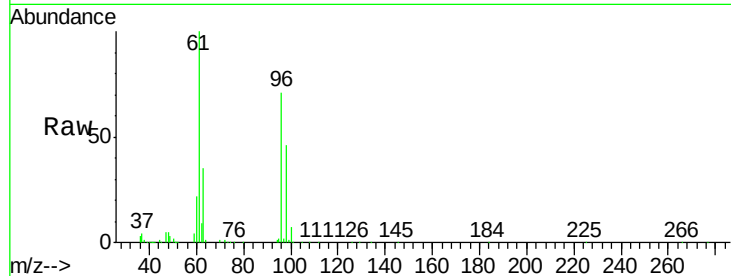
cis-1,2-Dichloroethene
Concen: 1.999 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
61	100		258017		
96	70.7	52.6	78.8		
98	45.2	33.7	50.5		

Manual Integrations
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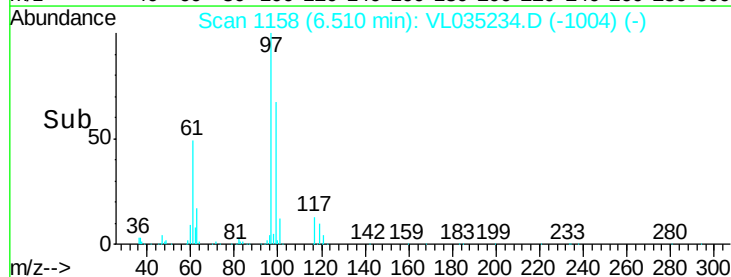
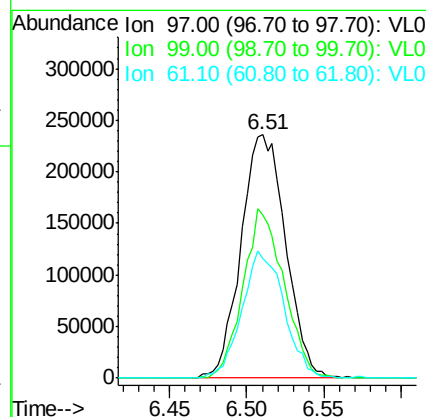
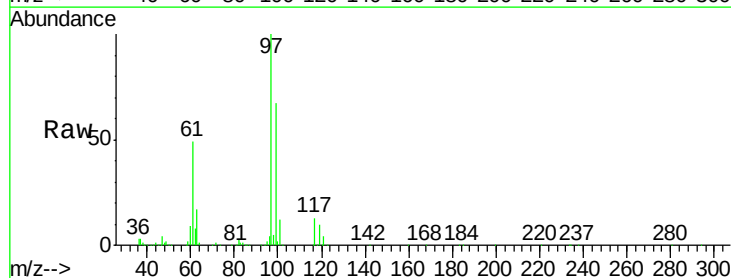
MMDadoda
7/30/2020 6:10:20 PM

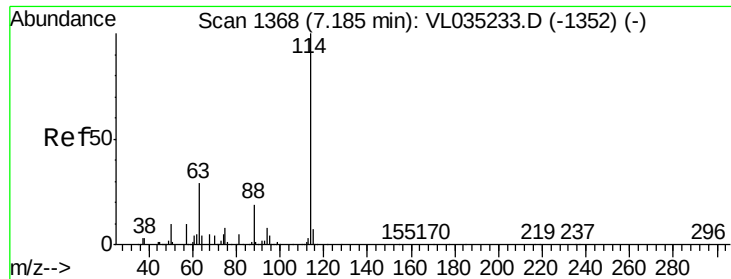


#32

1,1,1-Trichloroethane
Concen: 2.043 ppbv
RT: 6.51 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		471250		
99	64.0	51.4	77.0		
61	49.6	40.4	60.6		





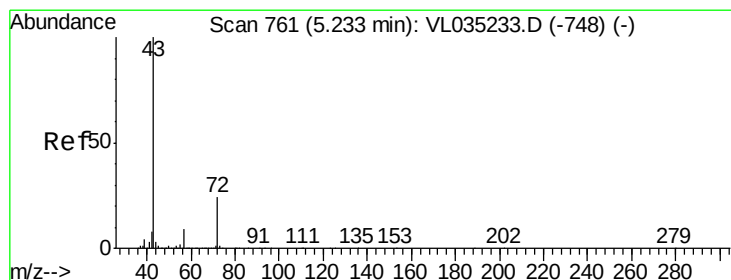
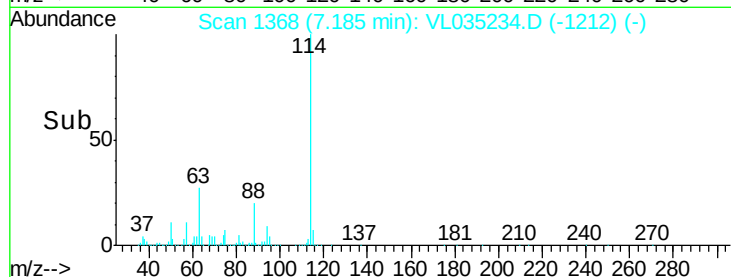
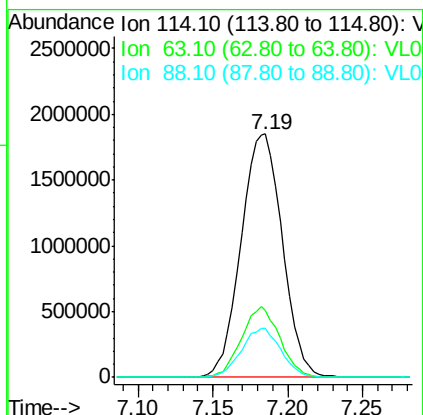
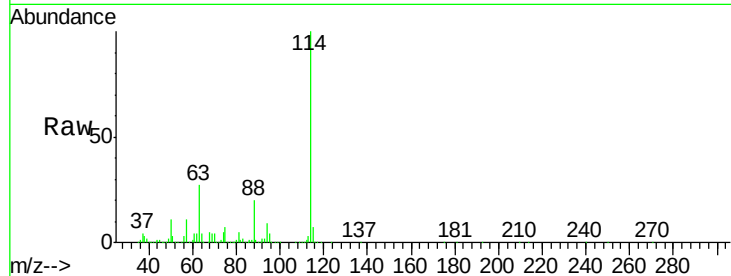
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.2
88	19.5	15.4	23.0

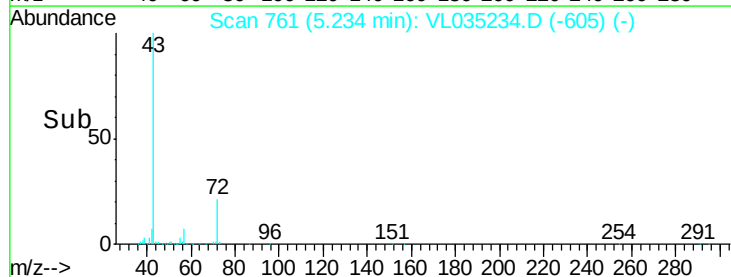
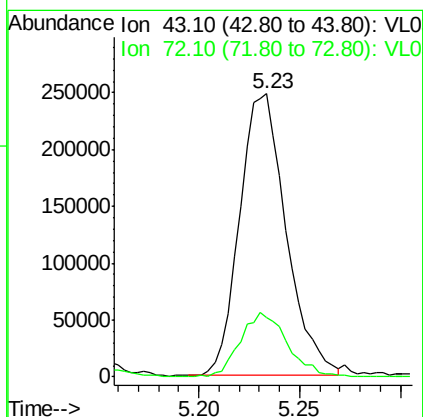
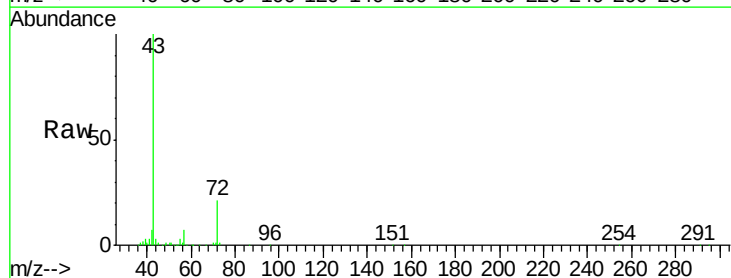
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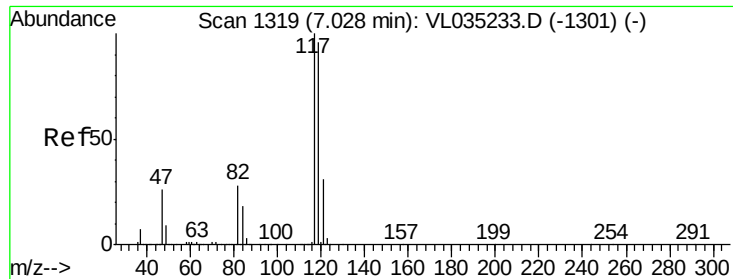
MMDadoda
 7/30/2020 6:10:20 PM



#34
 2-Butanone
 Concen: 2.113 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.2	28.8





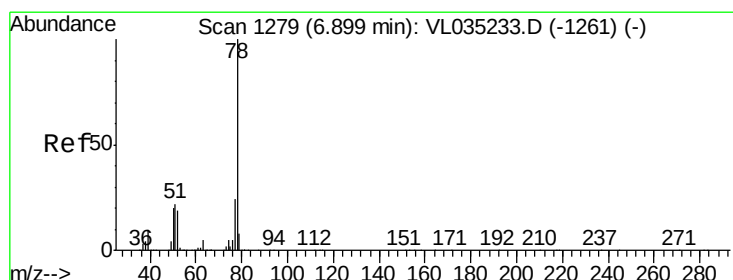
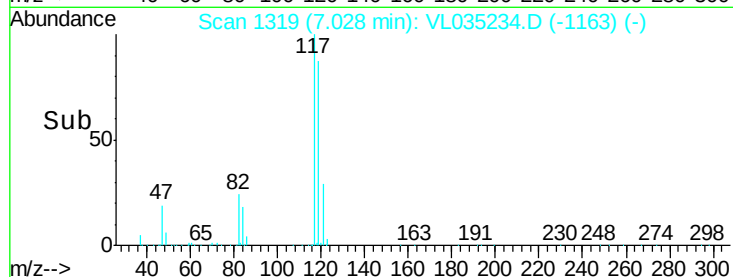
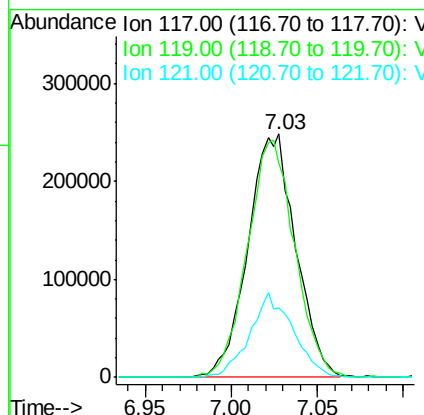
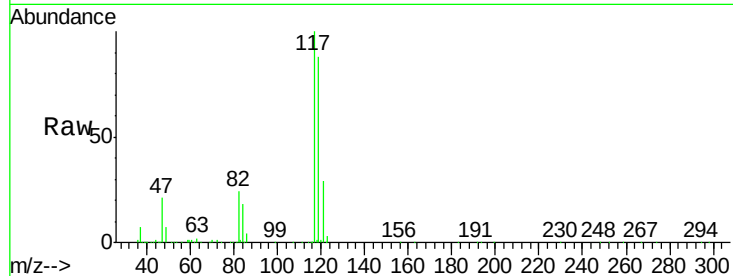
#35
Carbon Tetrachloride
Concen: 2.064 ppbv
RT: 7.03 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.8	76.8	115.2
121	28.6	24.5	36.7

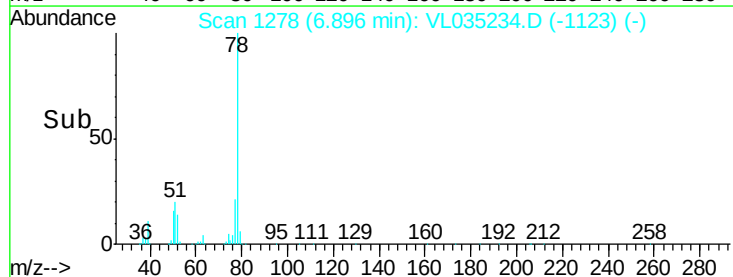
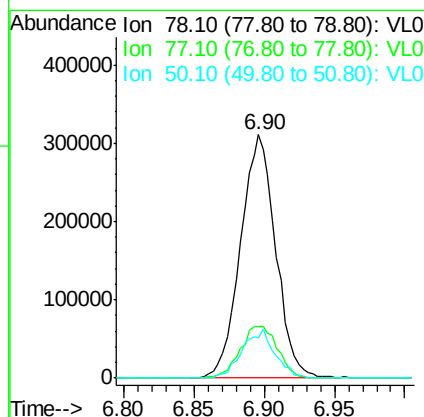
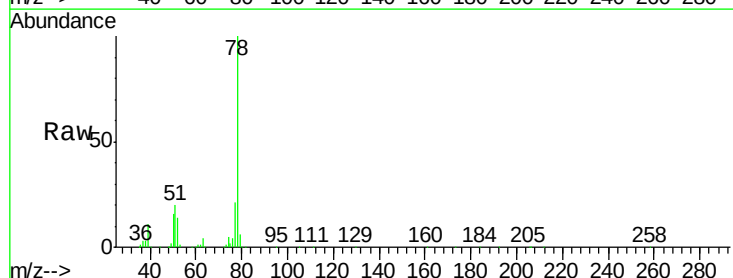
Manual Integrations
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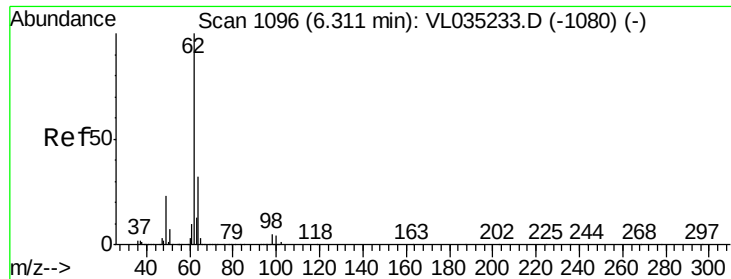
MMDadoda
7/30/2020 6:10:20 PM



#36
Benzene
Concen: 2.103 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.2	18.9	28.3
50	16.3	16.1	24.1





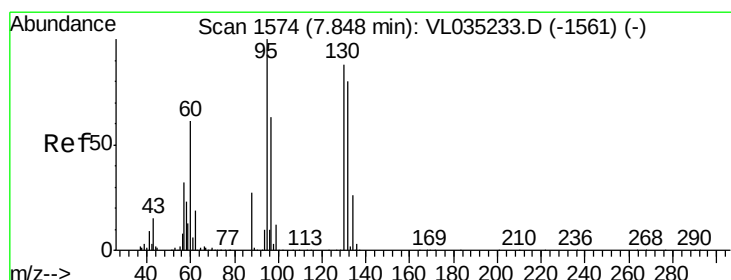
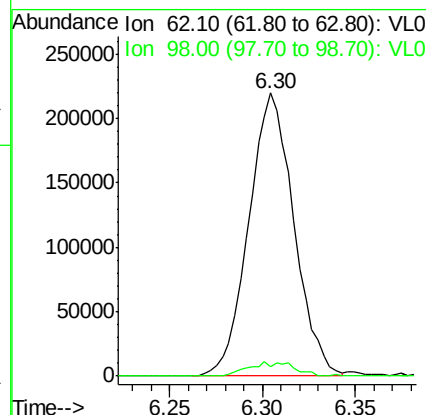
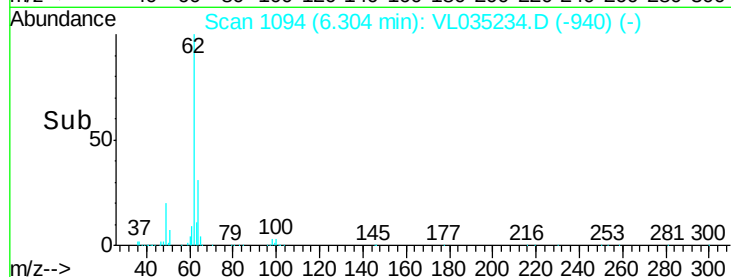
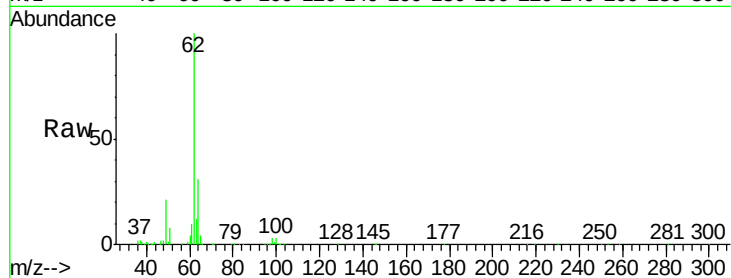
#37
 1,2-Dichloroethane
 Concen: 2.146 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.3	4.5	6.7

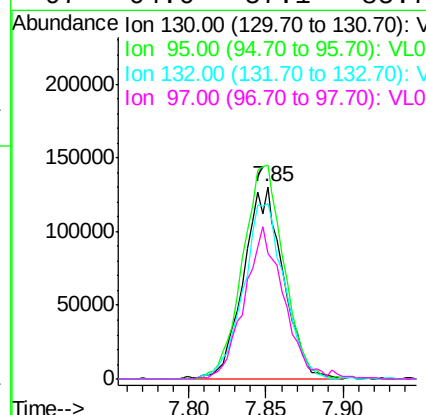
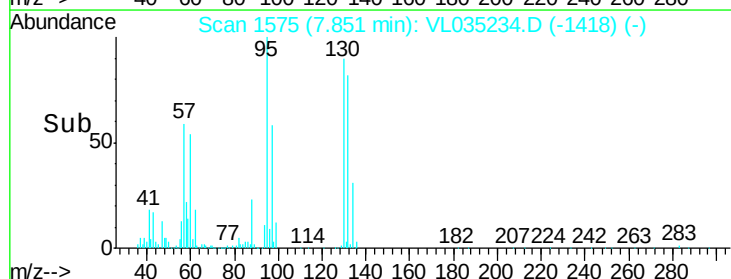
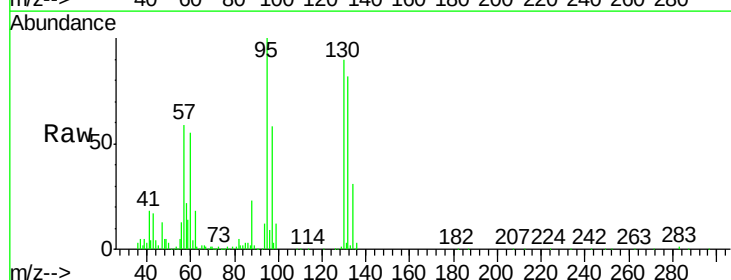
Manual Integrations
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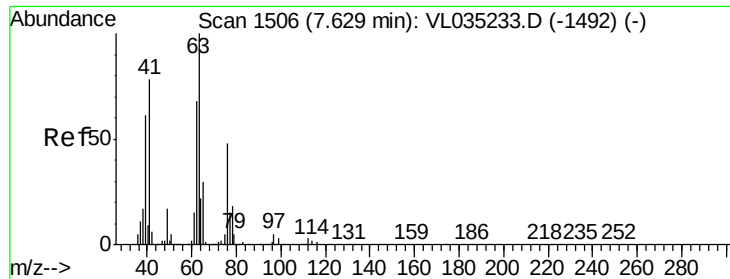
MMDadoda
 7/30/2020 6:10:20 PM



#38
 Trichloroethene
 Concen: 2.205 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.6	90.7	136.1
132	91.1	72.9	109.3
97	64.6	57.1	85.7





#39

1,2-Dichloropropane

Concen: 2.112 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

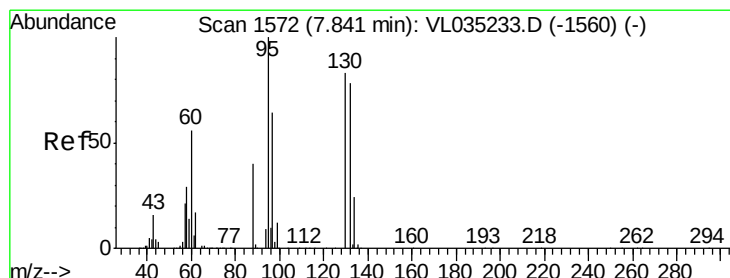
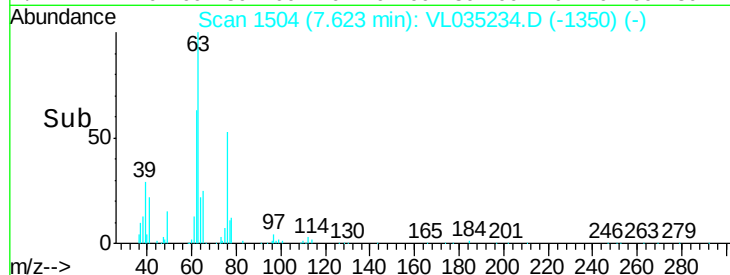
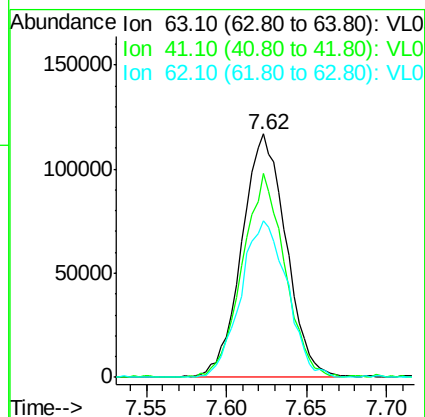
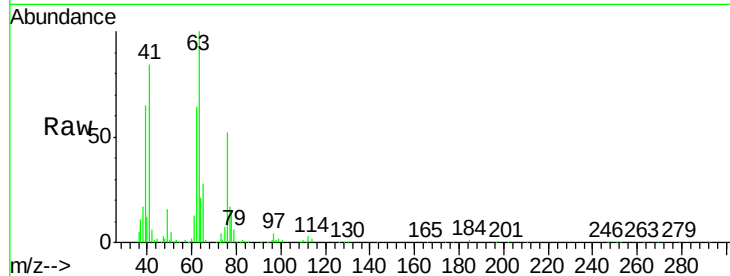
ClientSampleId :

VSTDIC002

Tot Ion:	63	Resp:	217423
Ion Ratio	Lower	Upper	
63	100		
41	83.7	62.2	93.4
62	64.4	54.2	81.2

Manual Integrations
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7/30/2020 6:10:20 PM



#40

1,4-Dioxane

Concen: 1.816 ppbv

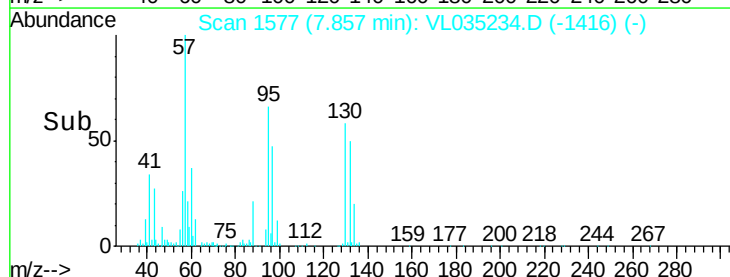
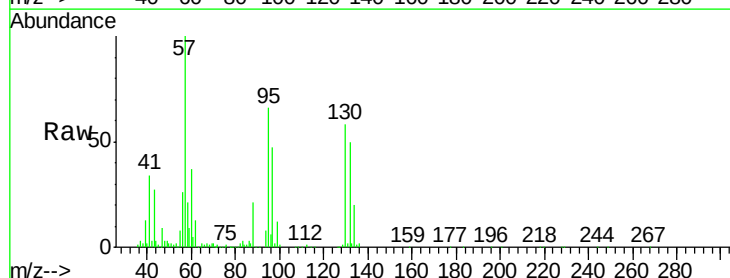
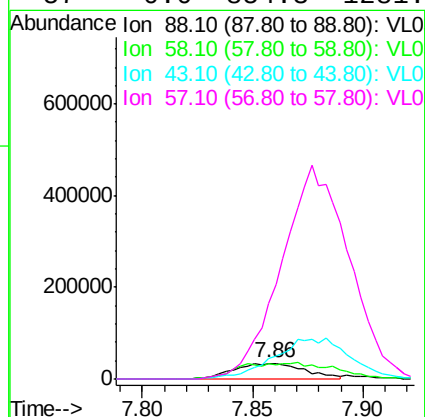
RT: 7.86 min Scan# 1577

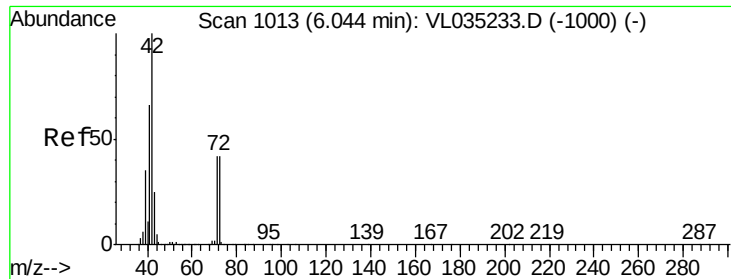
Delta R.T. 0.02 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion:	88	Resp:	74531
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#





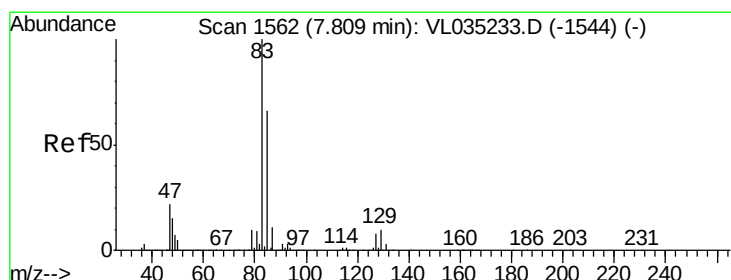
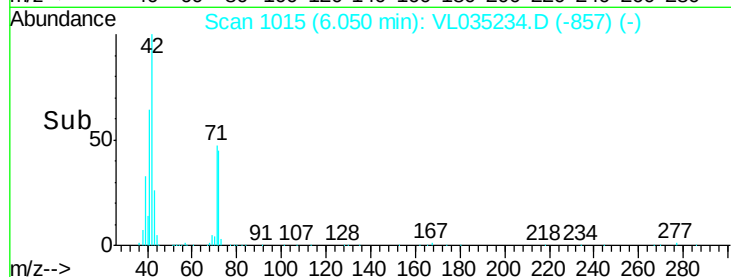
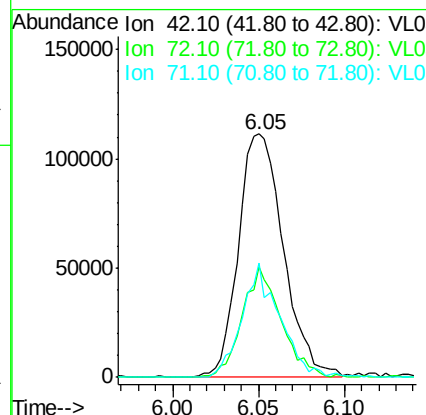
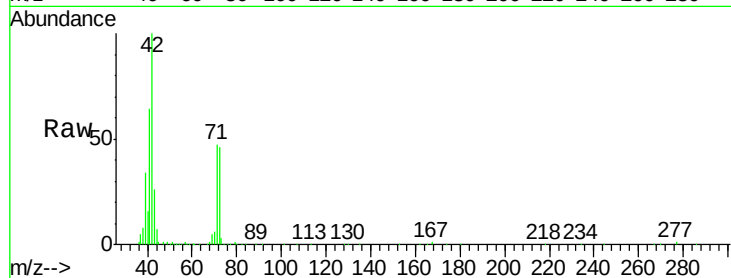
#41
Tetrahydrofuran
Concen: 2.144 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	34.2	51.2
71	39.7	33.2	49.8

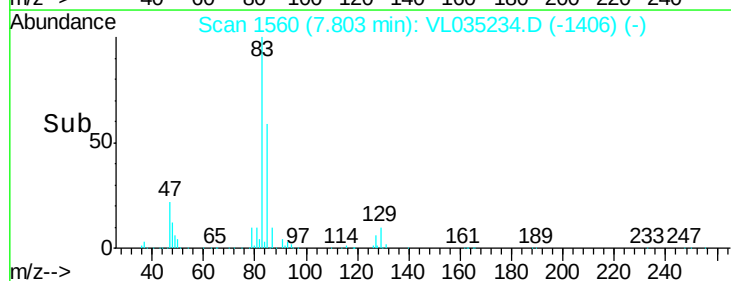
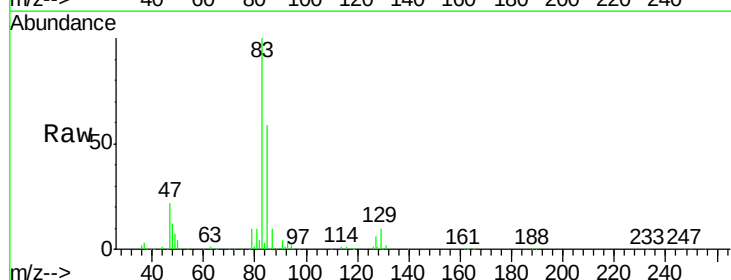
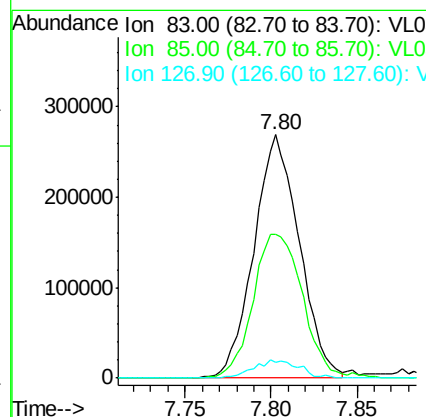
Manual Integrations
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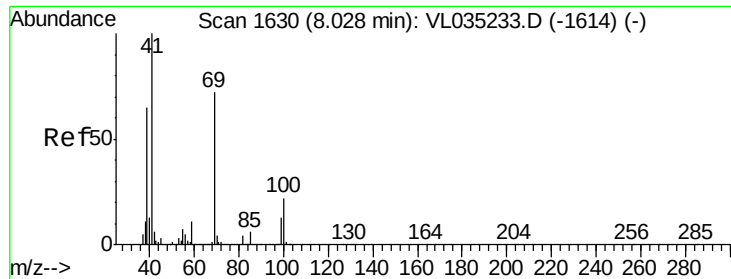
MMDadoda
7/30/2020 6:10:20 PM



#42
Bromodichloromethane
Concen: 2.120 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.3	52.9	79.3
127	6.5	6.5	9.7#





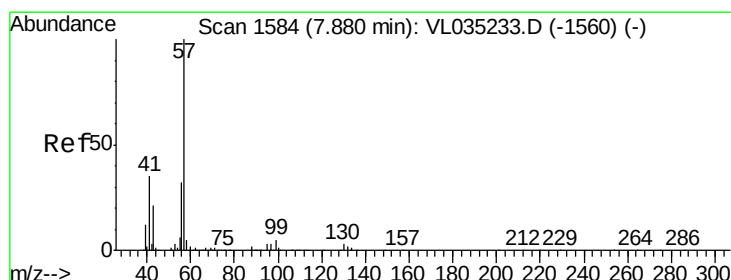
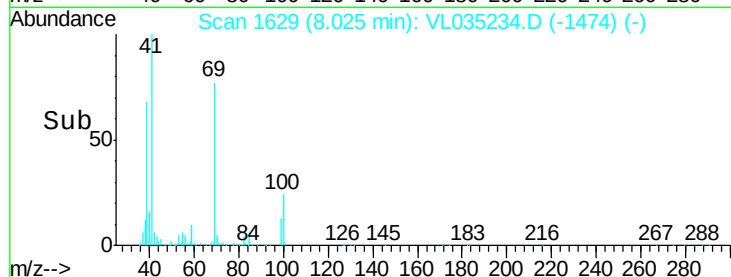
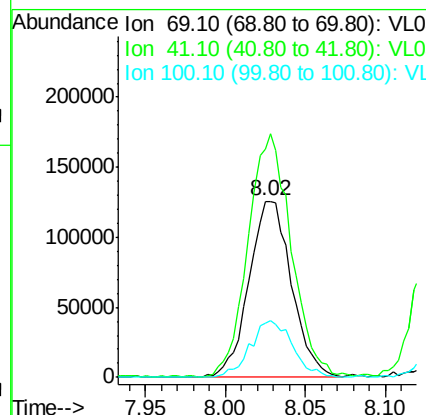
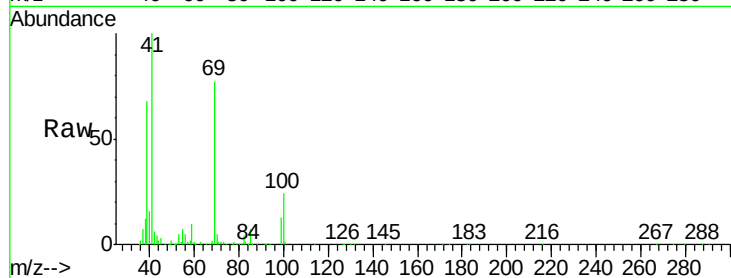
#43
Methvl Methacrylate
Concen: 2.089 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	140.6	113.0	169.4	
100	32.2	25.3	37.9	

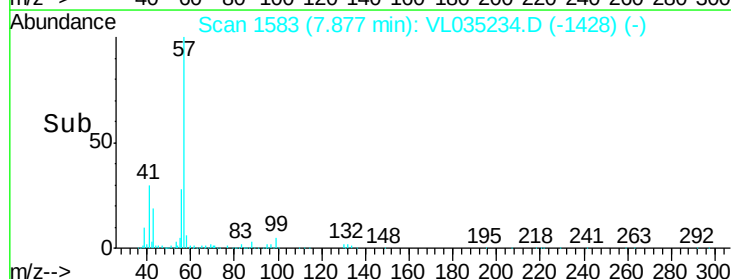
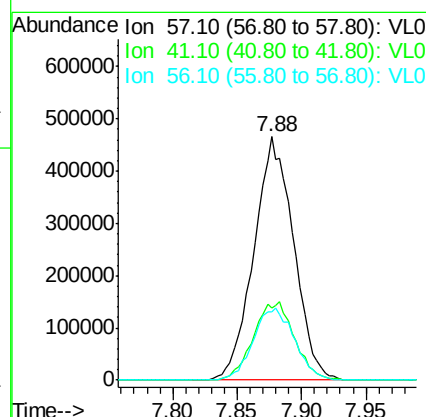
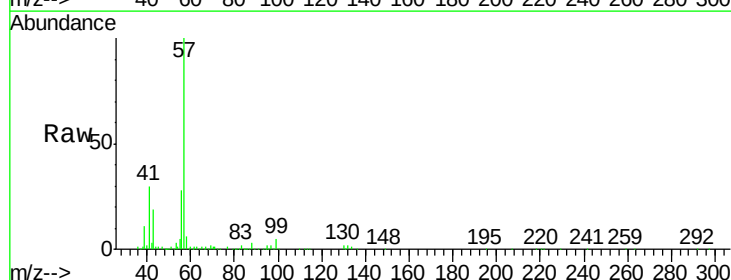
Manual Integrations
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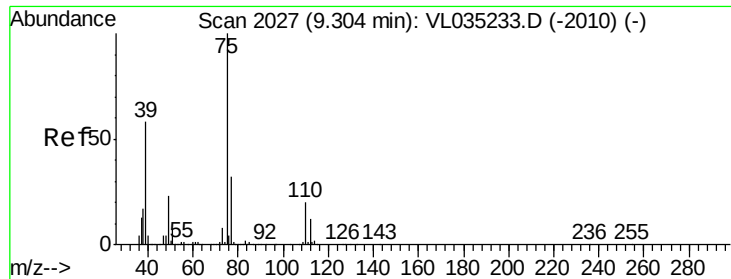
MMDadoda
7/30/2020 6:10:20 PM



#44
2,2,4-Trimethylpentane
Concen: 2.241 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.6	27.0	40.4	
56	30.9	25.6	38.4	





#45

t-1,3-Dichloropropene

Concen: 1.885 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 215968

Ion Ratio Lower Upper

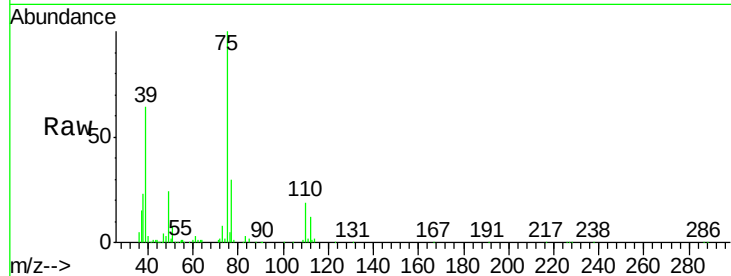
75 100

77 29.8 25.6 38.4

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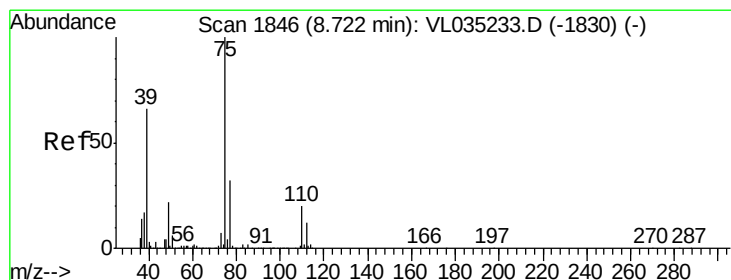
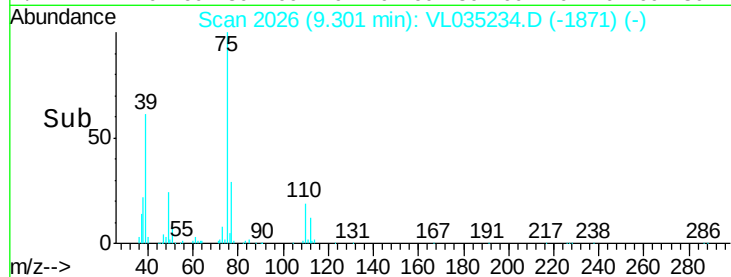
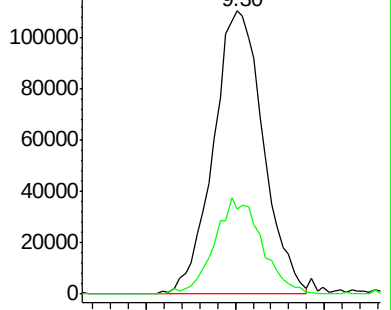
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 2.033 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

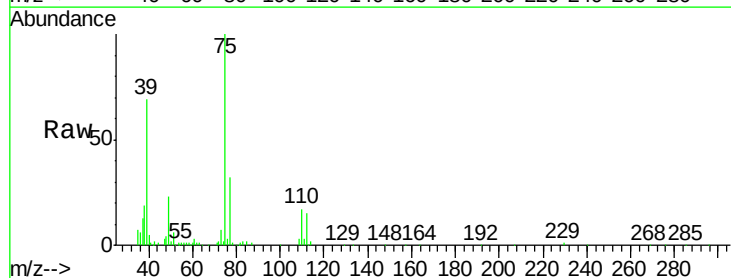
Tgt Ion: 75 Resp: 277103

Ion Ratio Lower Upper

75 100

39 68.6 53.0 79.4

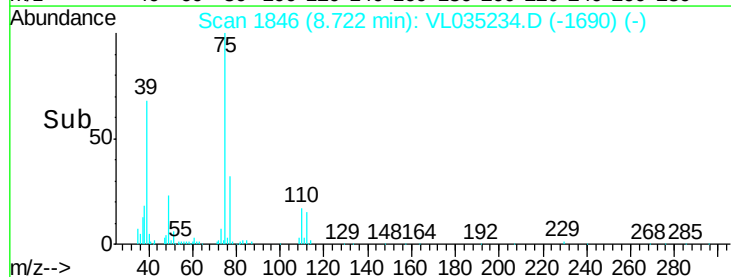
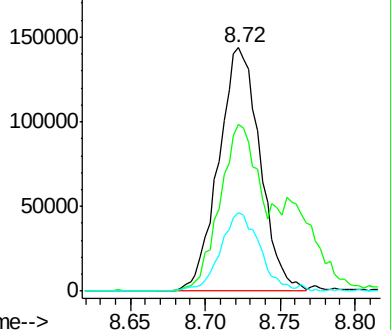
77 32.4 25.8 38.8

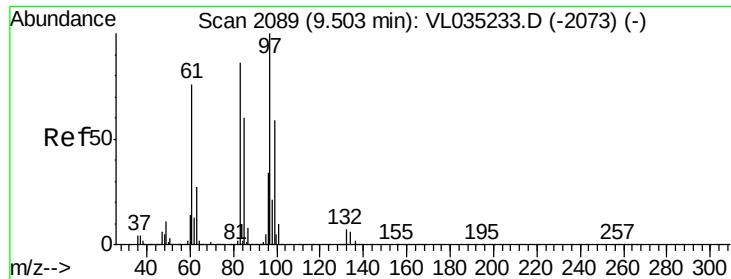


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





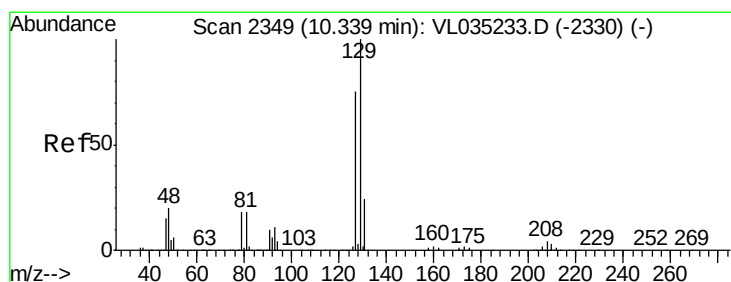
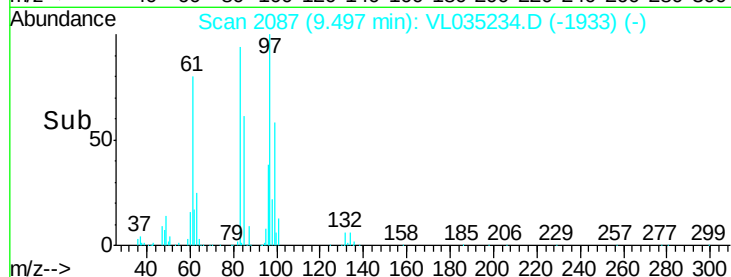
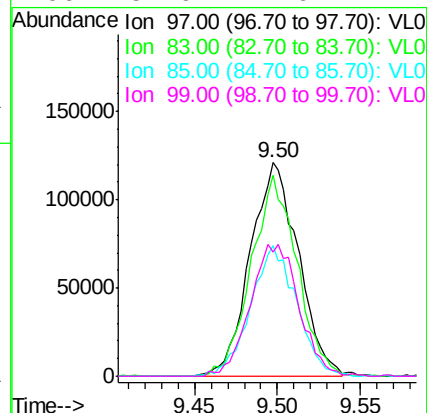
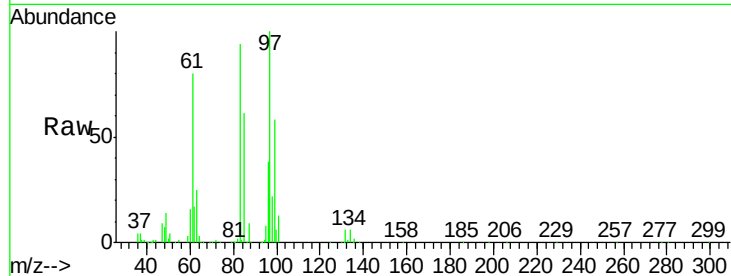
#47
 1,1,2-Trichloroethane
 Concen: 2.159 ppbv
 RT: 9.50 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion:	97	Resp:	244045
Ion Ratio	Lower	Upper	
97	100		
83	93.9	69.0	103.4
85	61.0	47.8	71.8
99	57.9	47.6	71.4

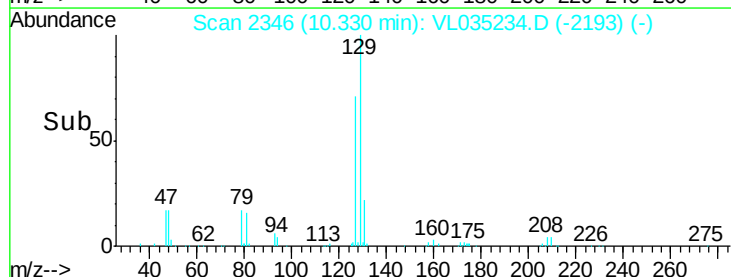
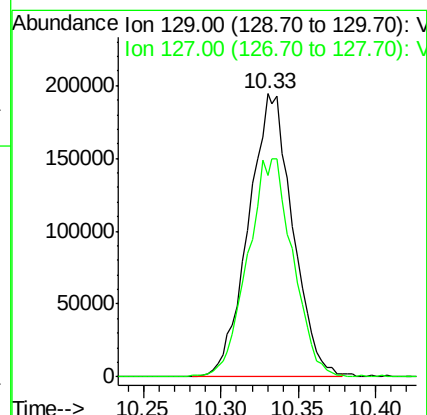
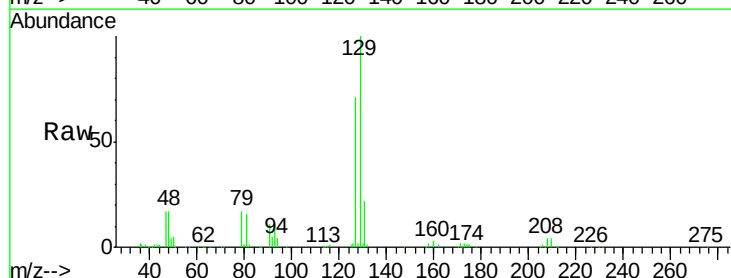
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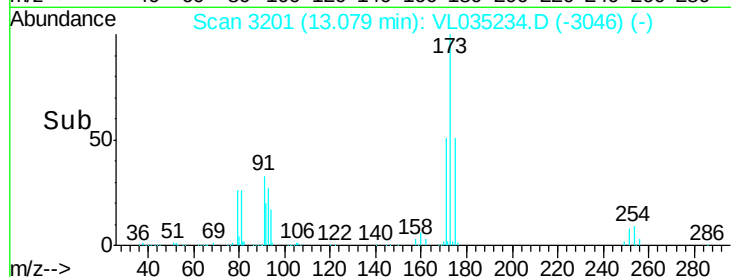
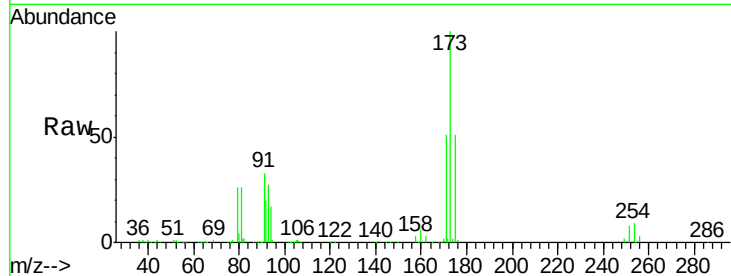
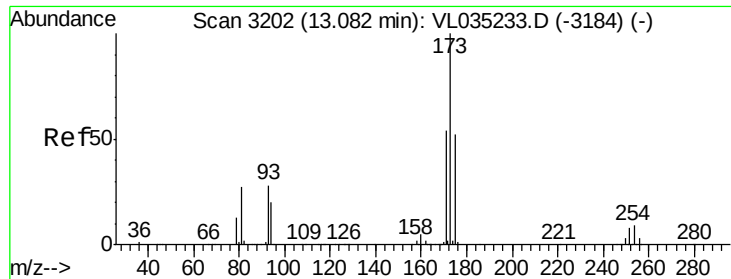
MMDadoda
 7/30/2020 6:10:20 PM



#48
 Dibromochloromethane
 Concen: 2.093 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion:	129	Resp:	384349
Ion Ratio	Lower	Upper	
129	100		
127	79.6	39.6	119.0





#49

Bromoform

Concen: 2.088 ppbv

RT: 13.08 min Scan# 3201

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tot Ion:	173	Resp:	338608
Ion Ratio	Lower	Upper	
173	100		
175	50.5	40.0	60.0
171	51.7	41.8	62.8

Instrument :

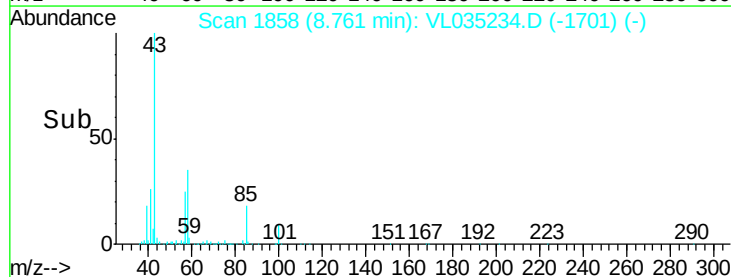
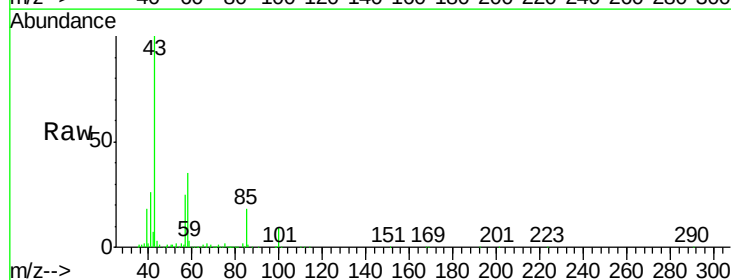
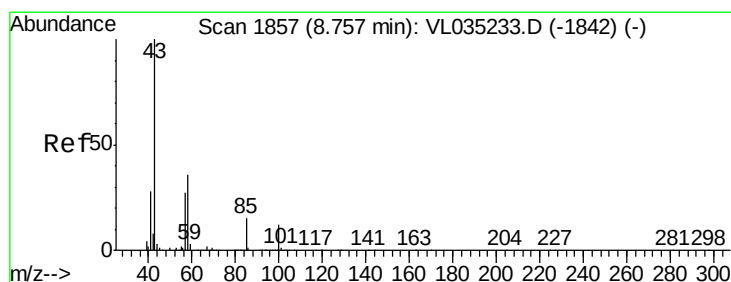
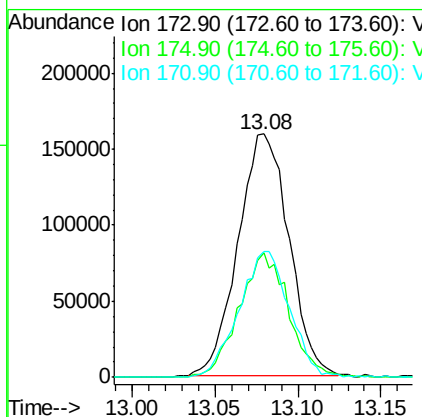
MSVOA_L

ClientSampleId :

VSTDIC002

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#50

4-Methyl-2-Pentanone

Concen: 2.157 ppbv

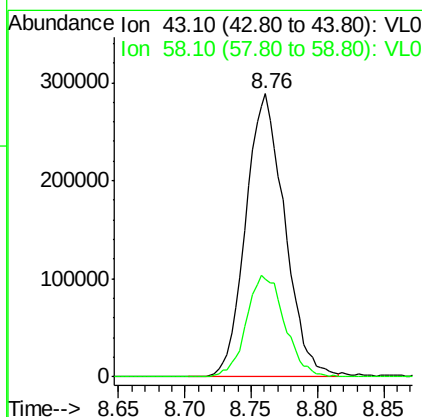
RT: 8.76 min Scan# 1858

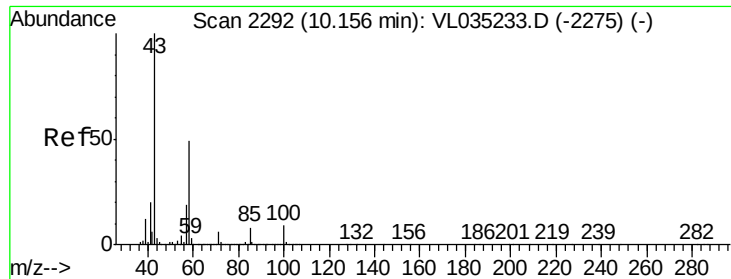
Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion:	43	Resp:	588307
Ion Ratio	Lower	Upper	
43	100		
58	35.6	30.0	45.0





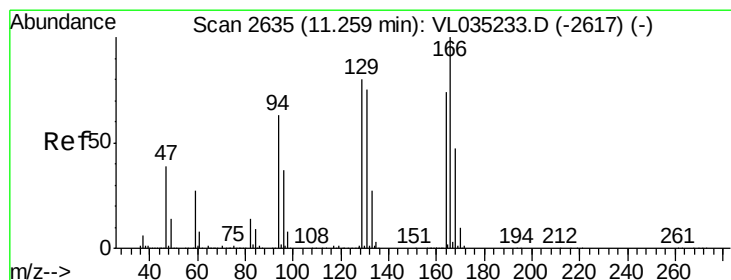
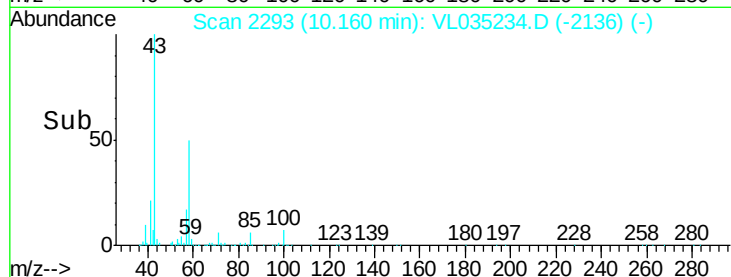
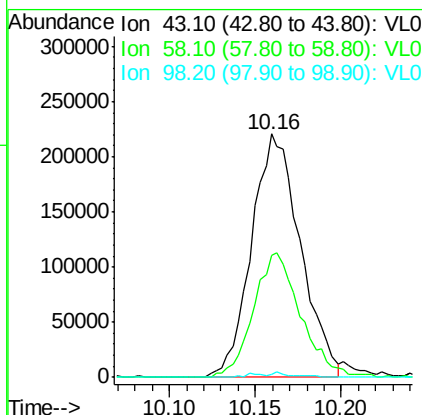
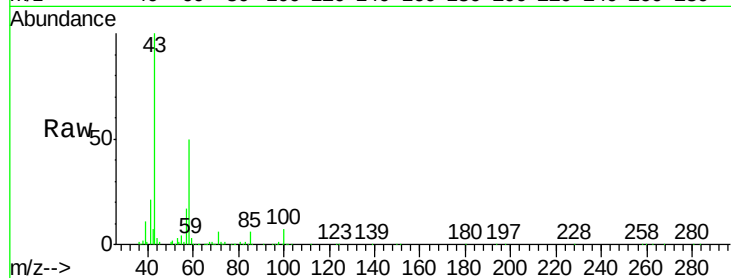
#51
2-Hexanone
Concen: 2.080 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.1	38.8	58.2
98	1.6	0.6	0.8

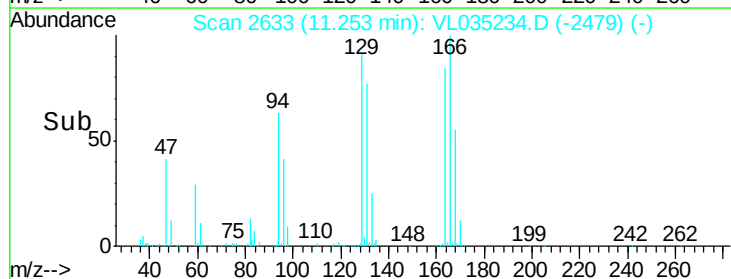
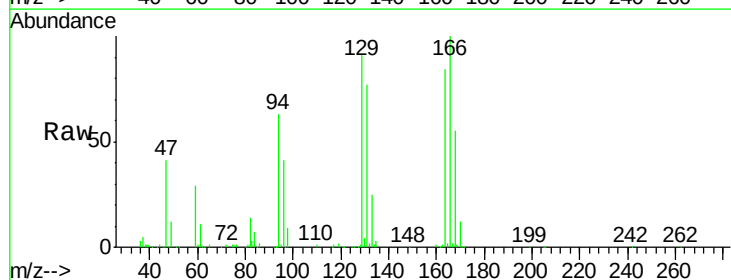
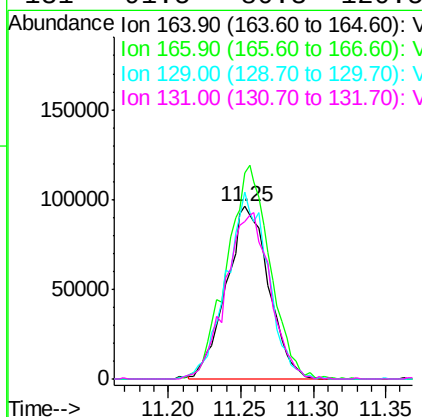
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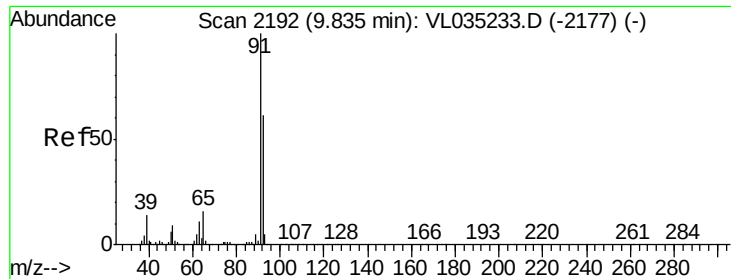
MMDadoda
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#52
Tetrachloroethene
Concen: 2.018 ppbv
RT: 11.25 min Scan# 2633
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.2	107.5	161.3
129	108.6	86.0	129.0
131	91.5	80.3	120.5





#53

Toluene

Concen: 2.149 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 91 Resp: 586220

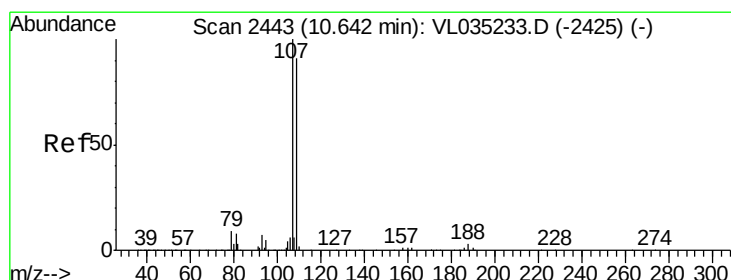
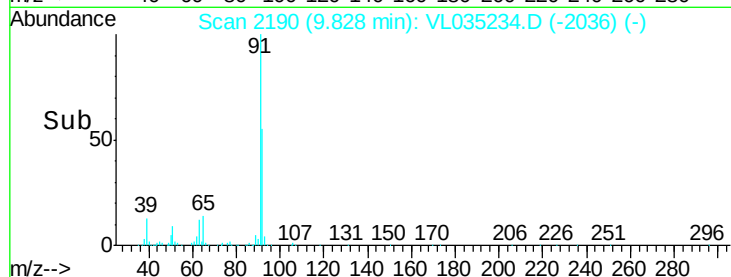
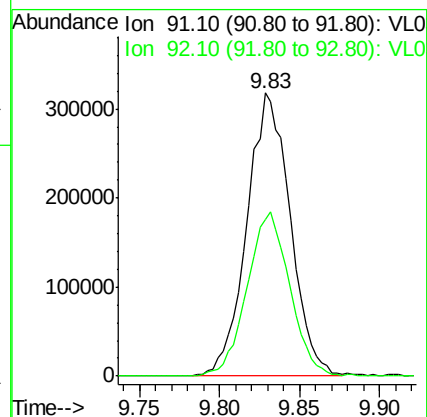
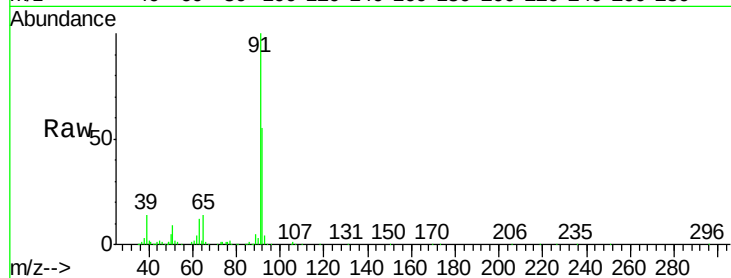
Ion Ratio Lower Upper

91 100

92 57.5 48.5 72.7

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 2.156 ppbv

RT: 10.64 min Scan# 2443

Delta R.T. 0.00 min

Lab File: VL035234.D

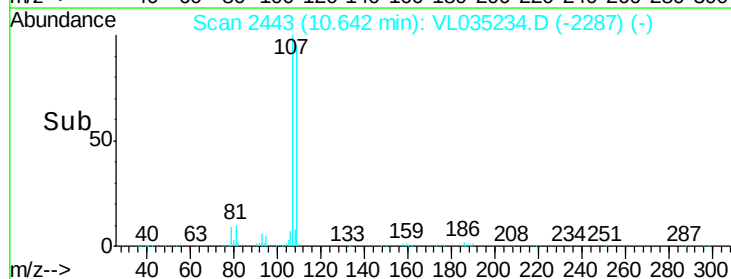
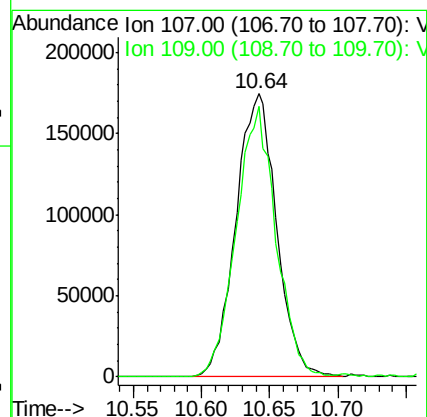
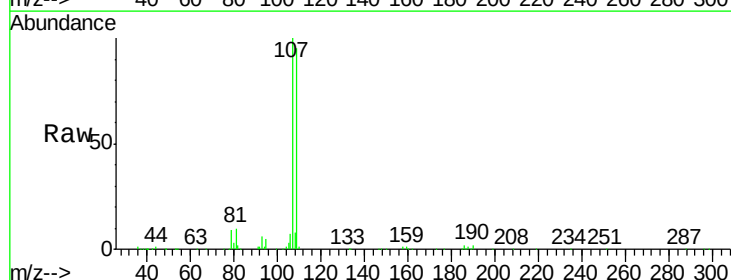
Acq: 29 Jul 2020 3:24

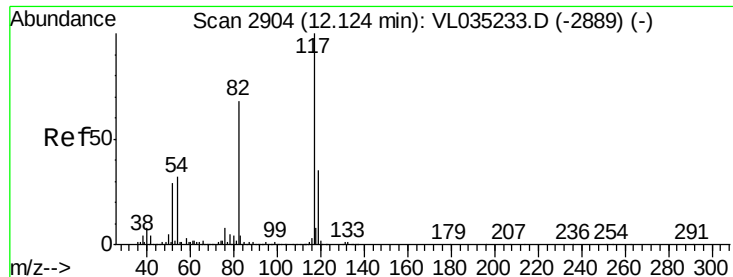
Tgt Ion: 107 Resp: 361267

Ion Ratio Lower Upper

107 100

109 95.1 73.0 109.6





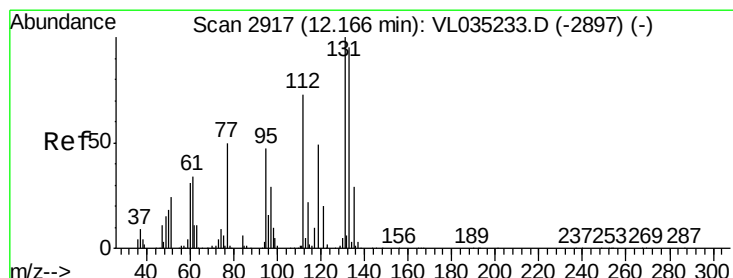
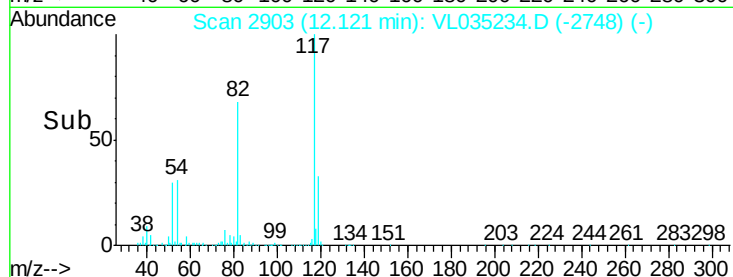
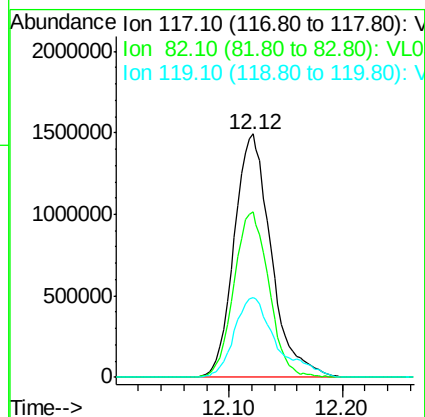
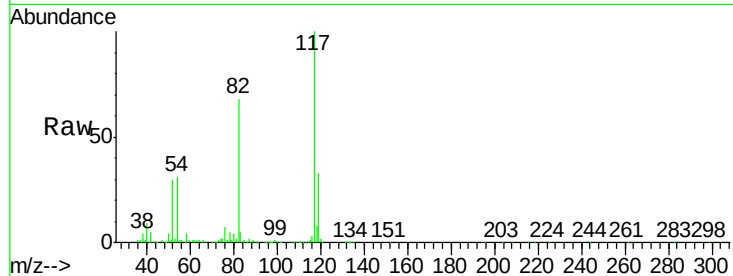
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:117 Resp: 3400561
Ion Ratio Lower Upper
117 100
82 64.5 52.4 78.6
119 37.2 24.6 36.8#

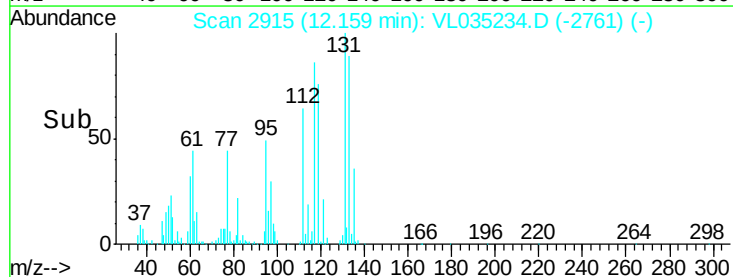
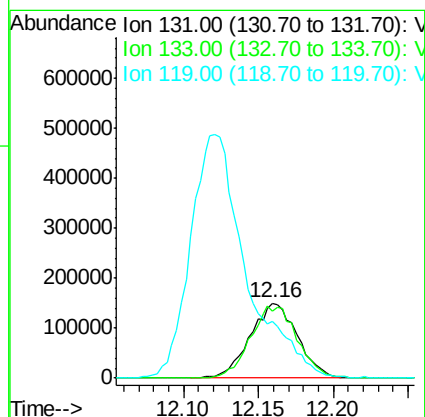
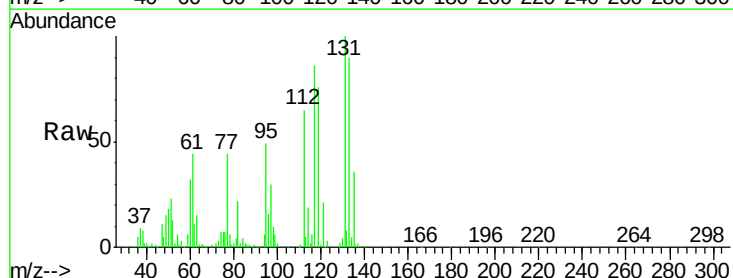
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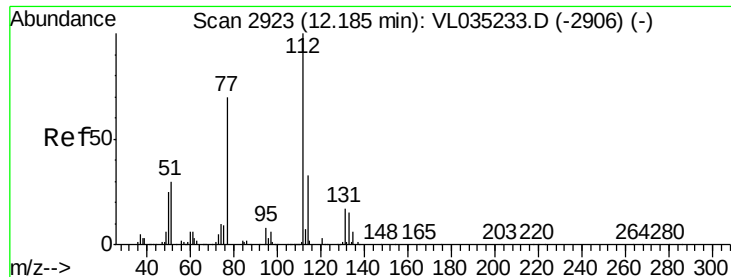
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#56
1,1,1,2-Tetrachloroethane
Concen: 2.153 ppbv
RT: 12.16 min Scan# 2915
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion:131 Resp: 328808
Ion Ratio Lower Upper
131 100
133 95.5 76.1 114.1
119 384.4 44.3 66.5#





#57

Chlorobenzene

Concen: 2.168 ppbv

RT: 12.18 min Scan# 2922

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

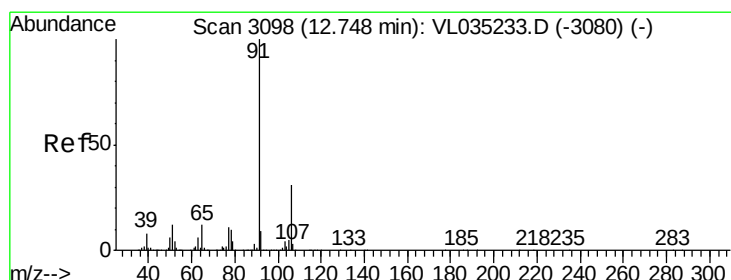
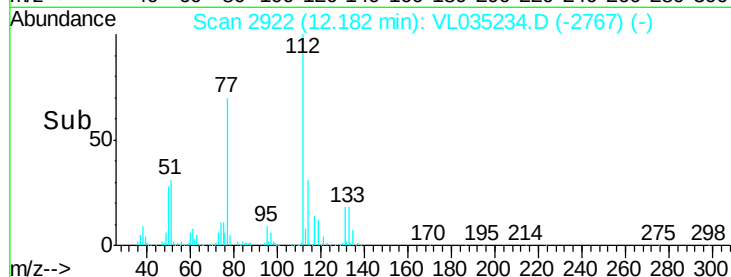
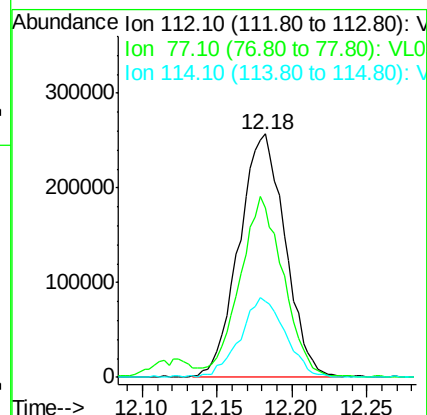
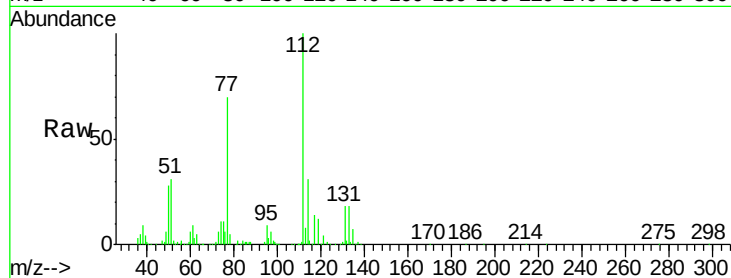
ClientSampleId :

VSTDIC002

Tot Ion:	112	Resp:	551961
Ion Ratio	Lower	Upper	
112	100		
77	69.1	57.3	85.9
114	31.2	29.3	35.8

Manual Integrations
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#58

Ethyl Benzene

Concen: 2.163 ppbv

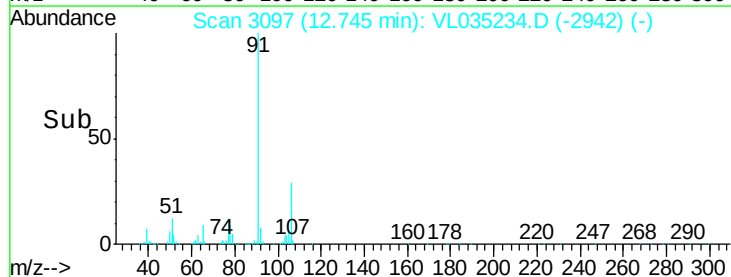
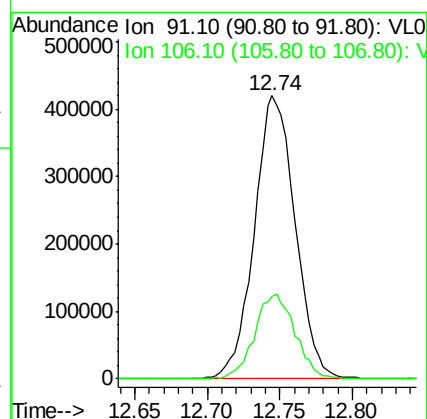
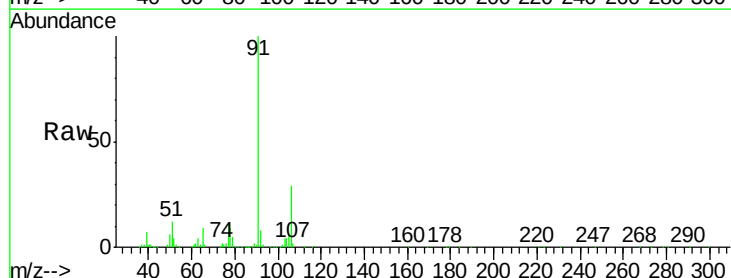
RT: 12.74 min Scan# 3097

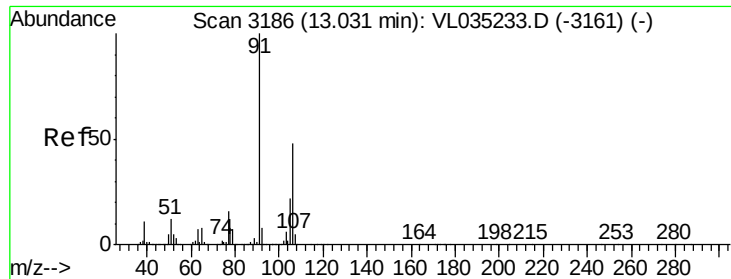
Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Tgt Ion:	91	Resp:	822611
Ion Ratio	Lower	Upper	
91	100		
106	28.9	25.0	37.6





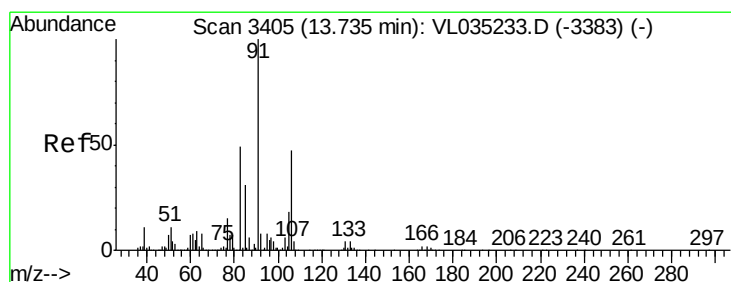
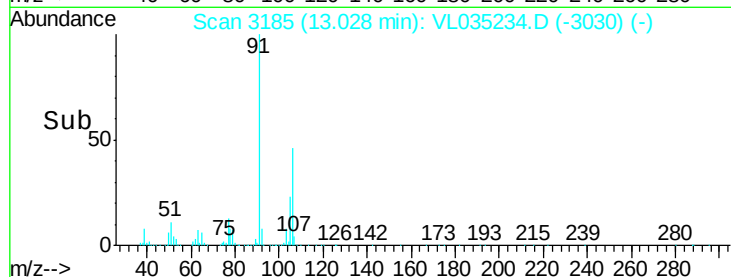
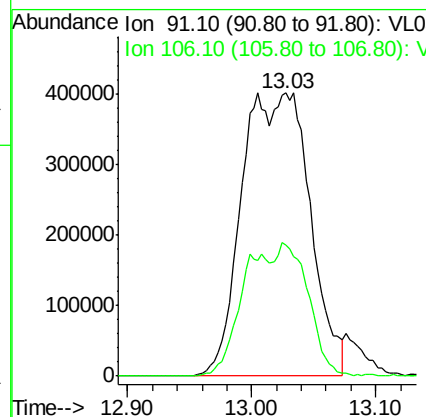
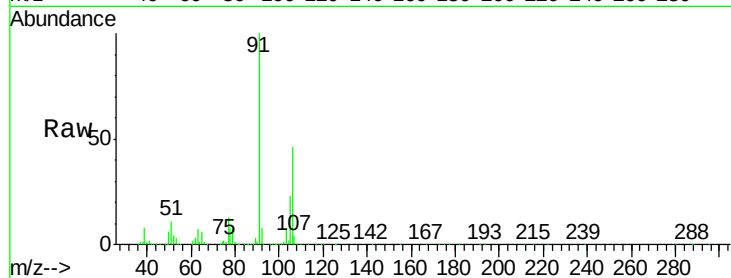
#59
m/p-Xylene
Concen: 4.484 ppbv m
RT: 13.03 min Scan# 3185
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1524283
Ion Ratio Lower Upper
91 100
106 43.8 37.2 55.8

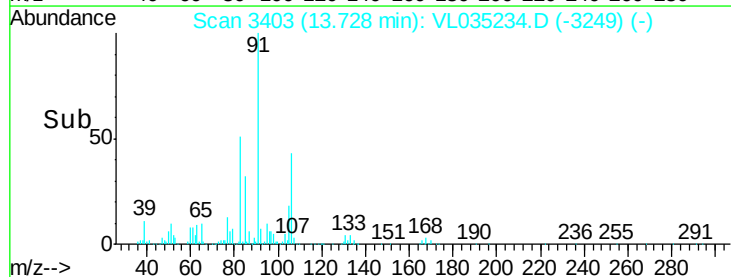
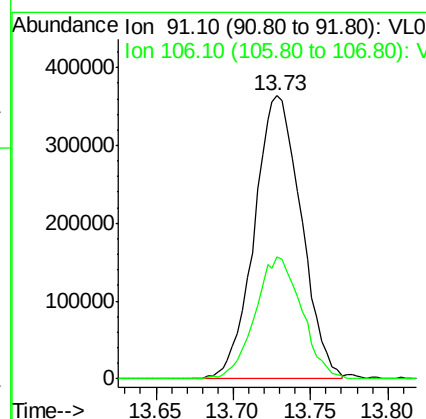
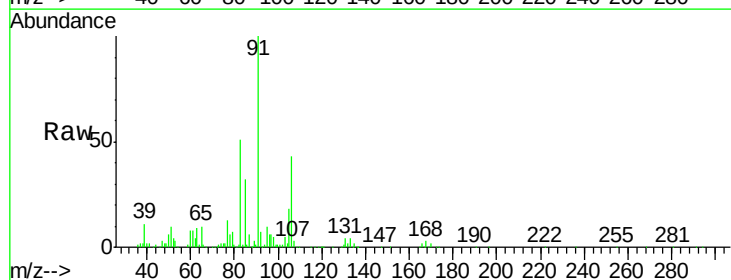
Manual Integrations
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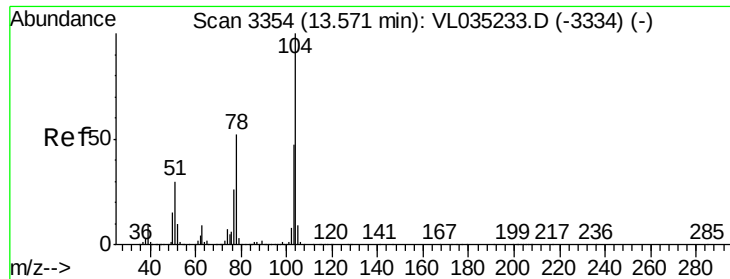
MMDadoda
7/30/2020 6:10:20 PM



#60
o-Xylene
Concen: 2.254 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion: 91 Resp: 764338
Ion Ratio Lower Upper
91 100
106 43.2 22.4 67.0





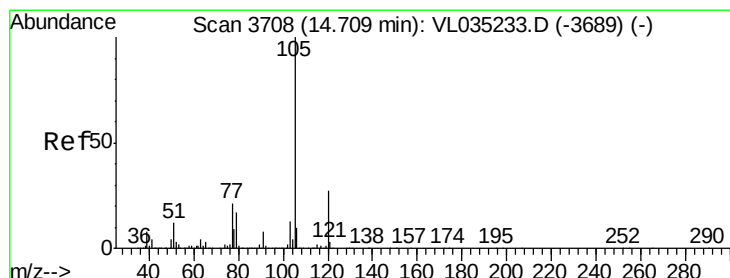
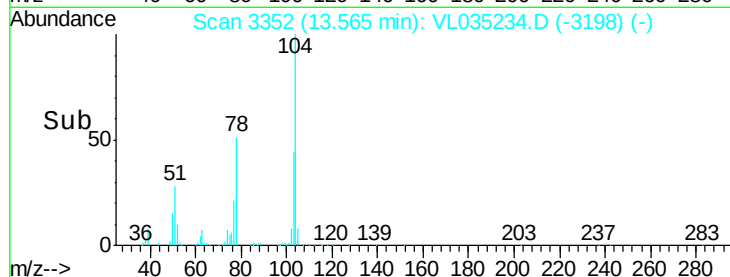
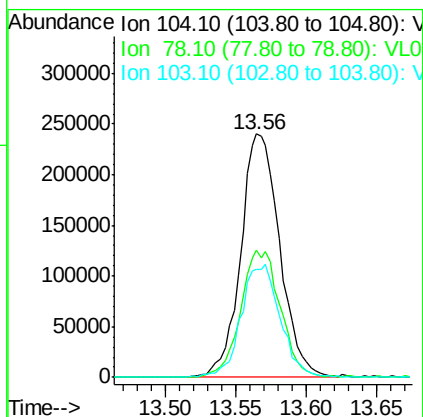
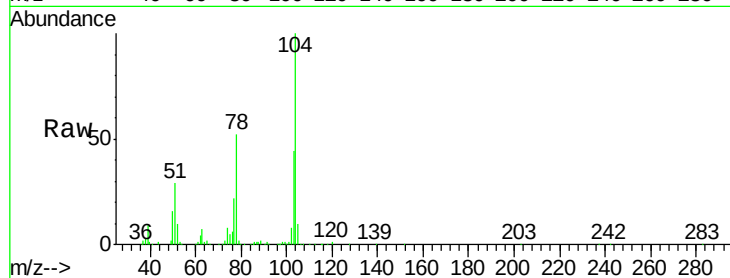
#61
Stvrene
Concen: 2.223 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. -0.01 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.6	43.3	64.9
103	46.4	38.2	57.2

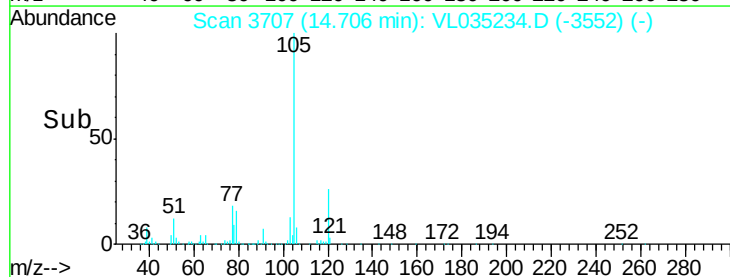
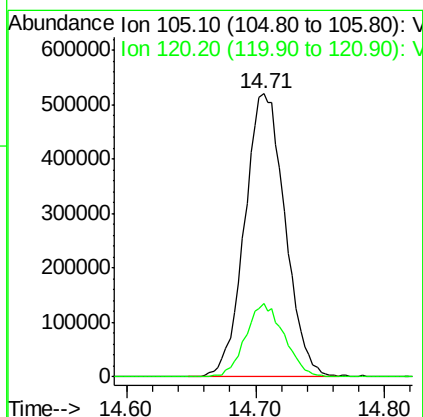
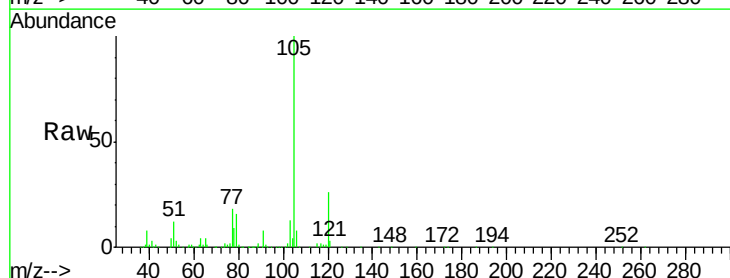
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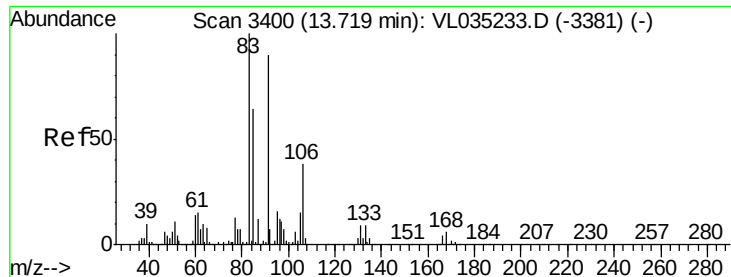
MMDadoda
7/30/2020 6:10:20 PM



#62
Isopropylbenzene
Concen: 2.252 ppbv
RT: 14.71 min Scan# 3707
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.8	31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 2.107 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 83 Resp: 596909

Ion Ratio Lower Upper

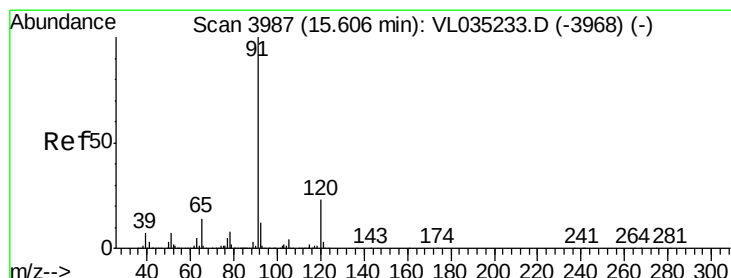
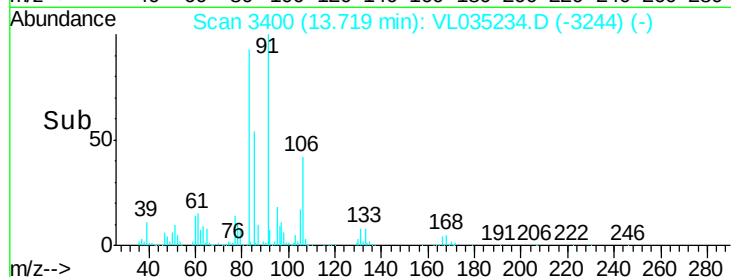
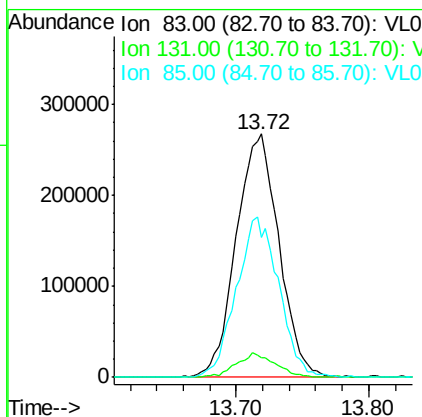
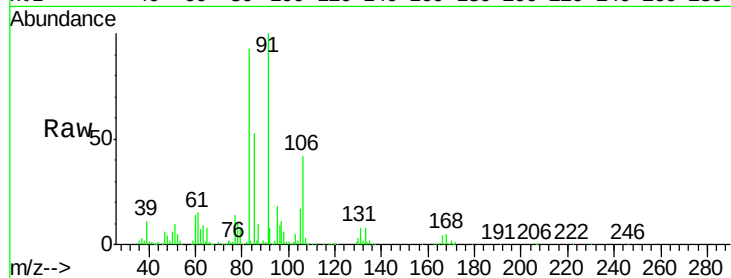
83 100

131 9.3 4.6 13.8

85 65.7 32.7 98.1

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#64

n-propylbenzene

Concen: 2.308 ppbv

RT: 15.61 min Scan# 3987

Delta R.T. 0.00 min

Lab File: VL035234.D

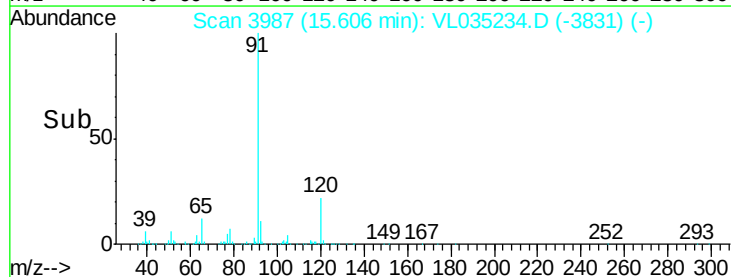
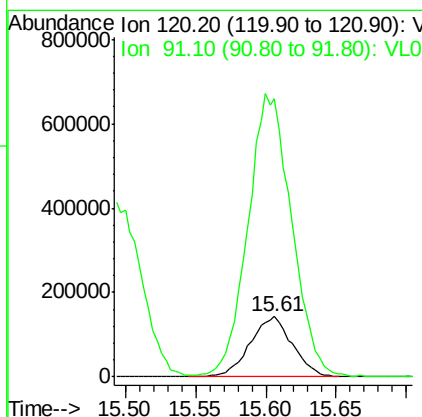
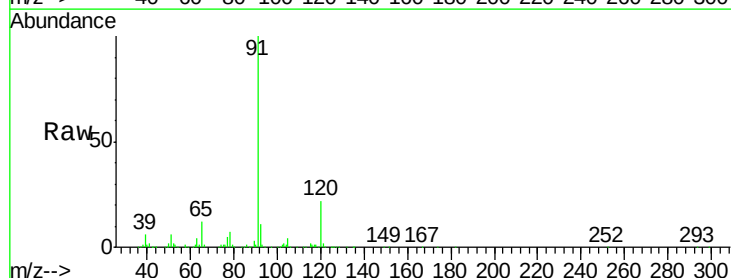
Acq: 29 Jul 2020 3:24

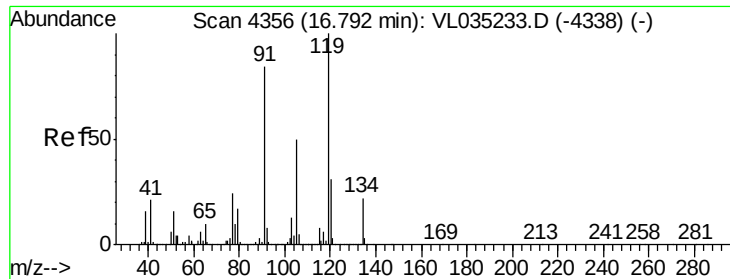
Tgt Ion: 120 Resp: 300483

Ion Ratio Lower Upper

120 100

91 487.0 367.5 551.3





#65

tert-Butylbenzene

Concen: 2.313 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 119 Resp: 1044211

Ion Ratio Lower Upper

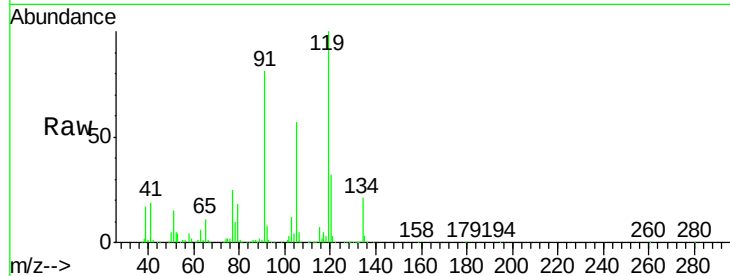
119 100

91 87.1 68.0 102.0

134 19.7 16.3 24.5

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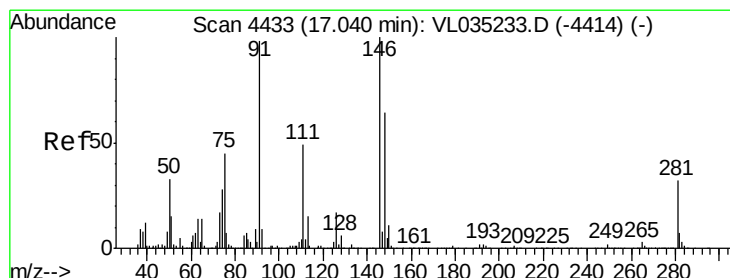
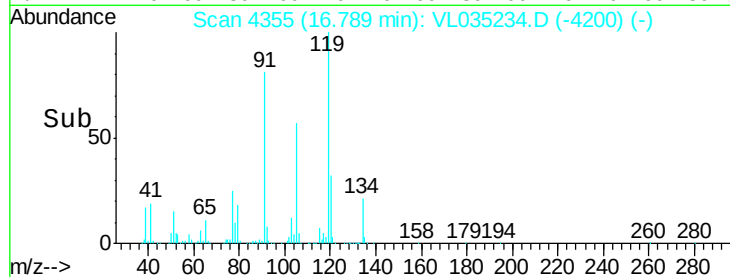
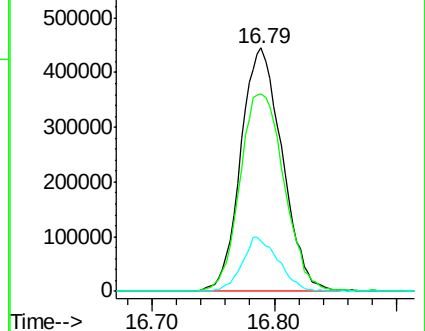
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 2.190 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

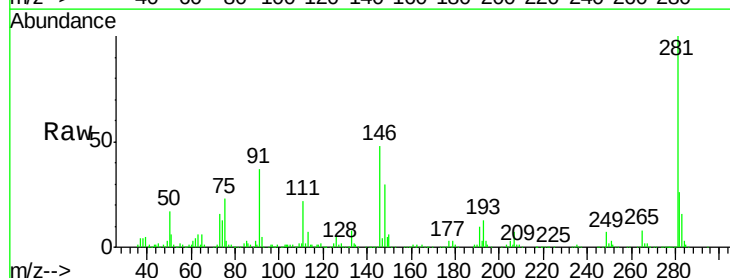
Tgt Ion: 91 Resp: 356101

Ion Ratio Lower Upper

91 100

126 19.4 14.1 21.1

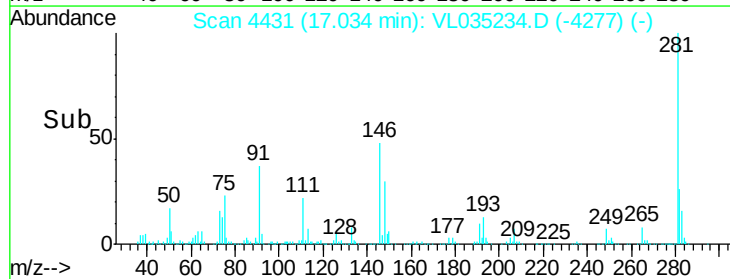
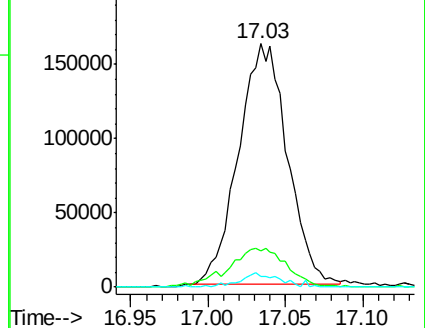
128 5.1 4.4 6.6

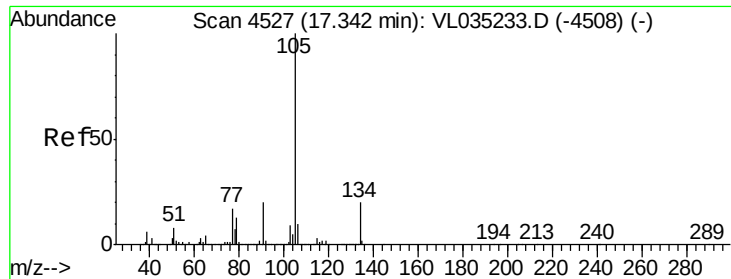


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.341 ppbv

RT: 17.34 min Scan# 4526

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1539071

Ion Ratio Lower Upper

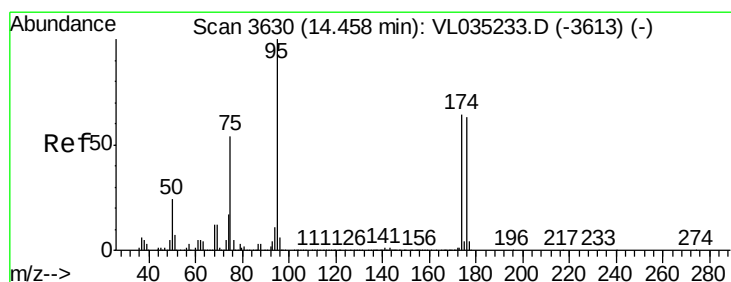
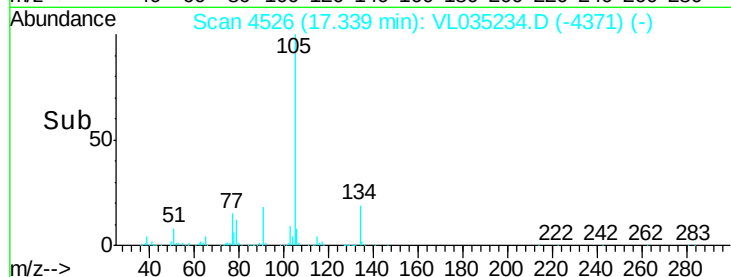
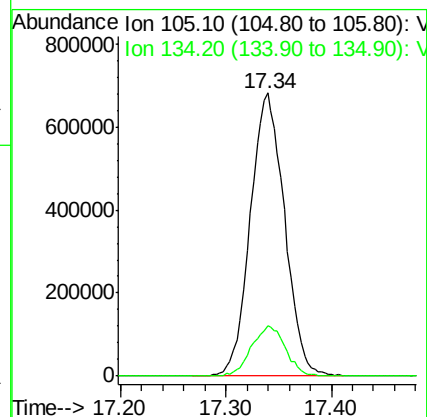
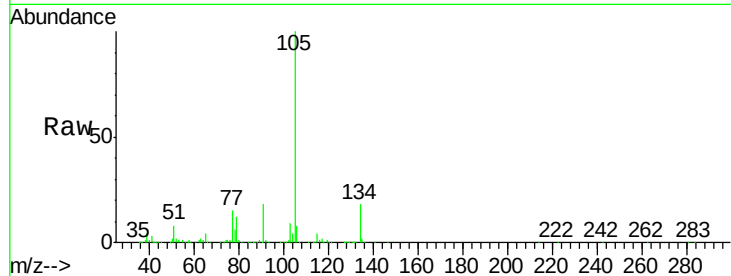
105 100

134 17.7 15.0 22.4

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 9.707 ppbv

RT: 14.46 min Scan# 3629

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

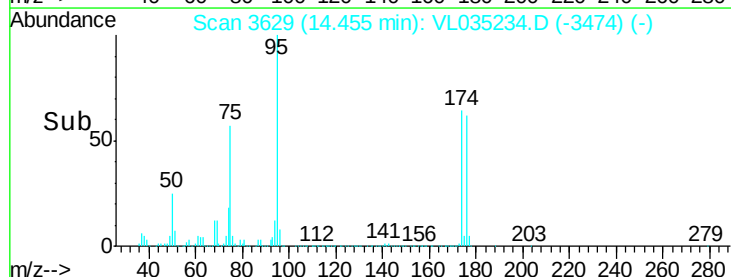
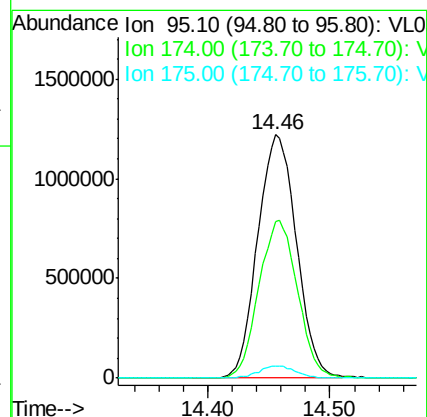
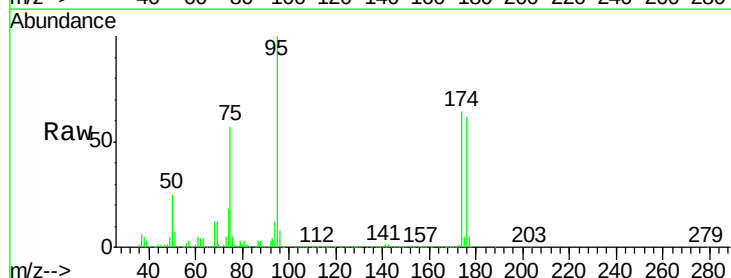
Tgt Ion: 95 Resp: 2687108

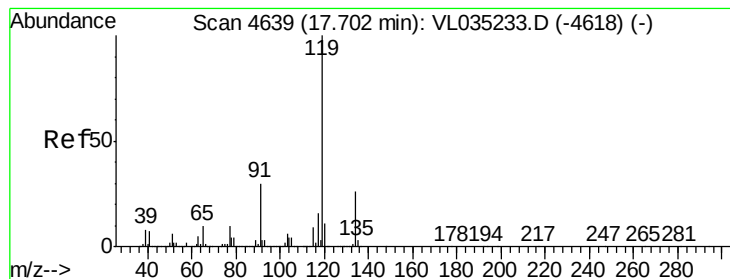
Ion Ratio Lower Upper

95 100

174 64.6 52.7 79.1

175 4.8 3.9 5.9





#69

p-Isopropyltoluene

Concen: 2.413 ppbv m

RT: 17.69 min Scan# 4636

Delta R.T. -0.01 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 119 Resp: 1252641

Ion Ratio Lower Upper

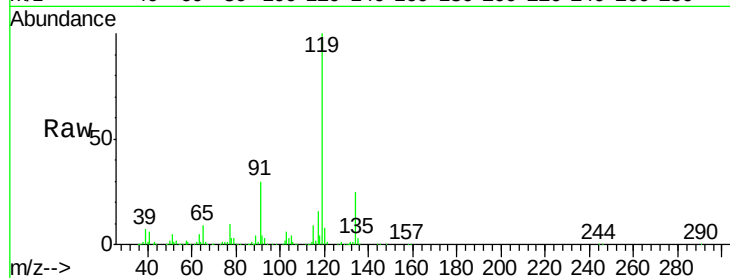
119 100

134 24.4 20.8 31.2

91 31.0 24.7 37.1

Manual Integrations
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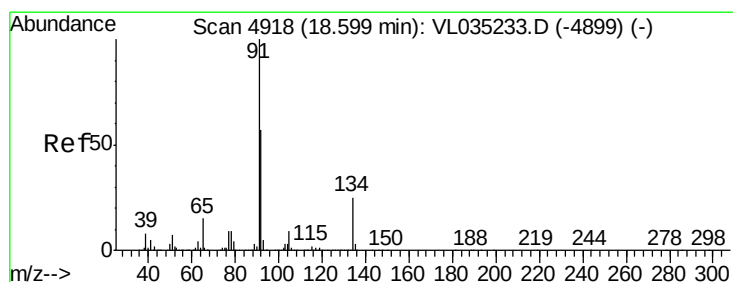
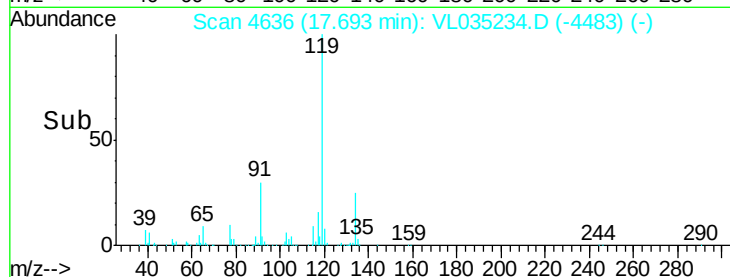
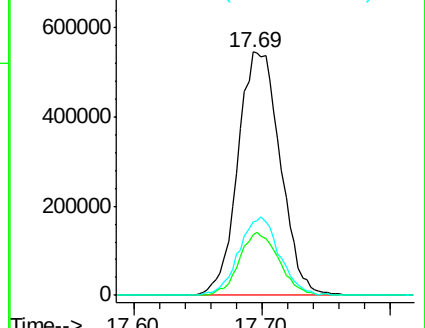
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Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70

n-Butylbenzene

Concen: 2.466 ppbv

RT: 18.60 min Scan# 4917

Delta R.T. -0.00 min

Lab File: VL035234.D

Acq: 29 Jul 2020 3:24

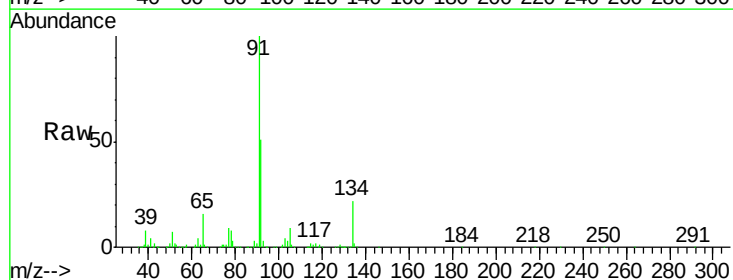
Tgt Ion: 91 Resp: 1357793

Ion Ratio Lower Upper

91 100

92 53.4 44.9 67.3

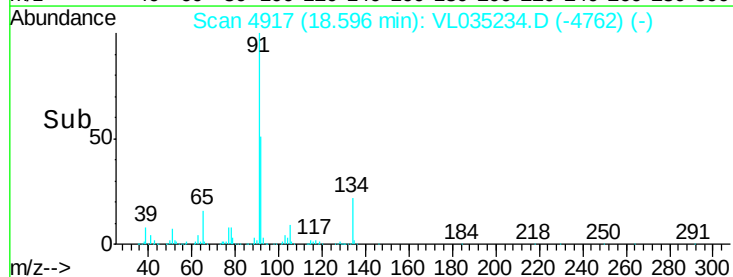
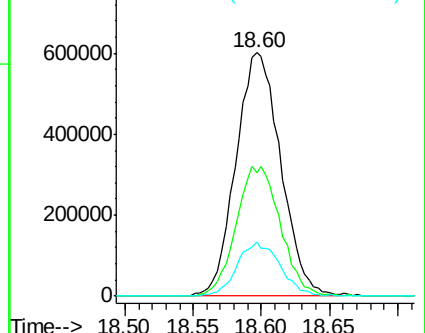
134 21.5 18.6 28.0

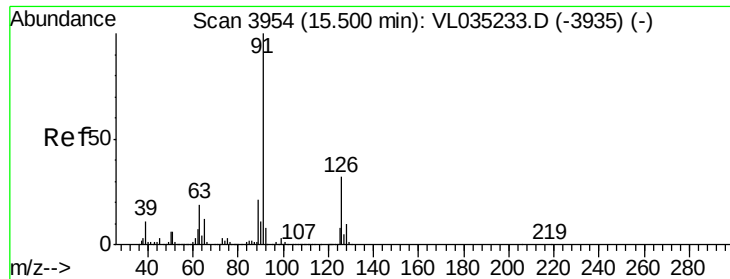


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V





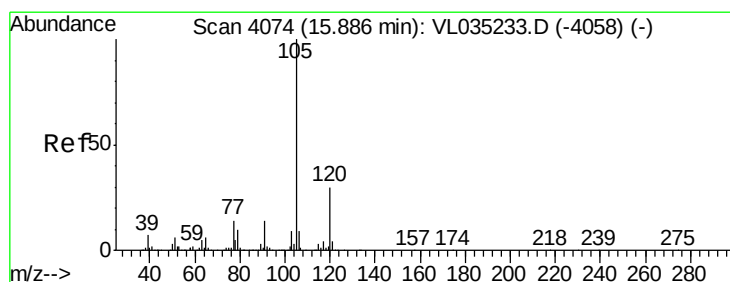
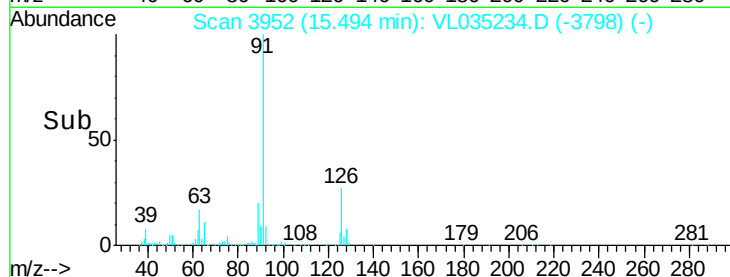
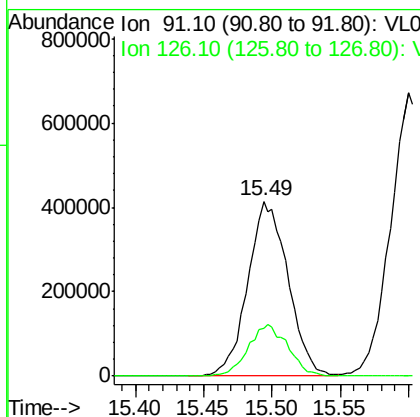
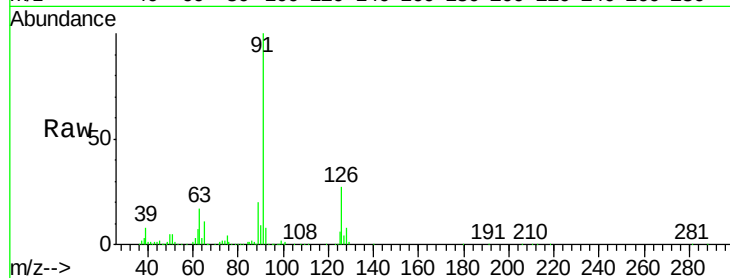
#71
 2-Chlorotoluene
 Concen: 2.231 ppbv
 RT: 15.49 min Scan# 3952
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
91	100		
126	29.4	12.3	49.1

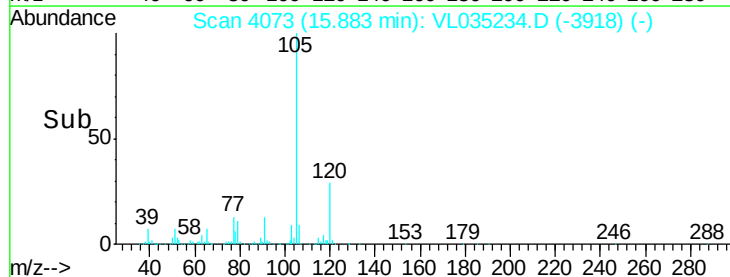
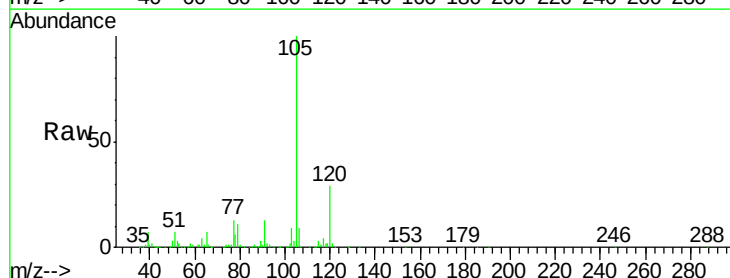
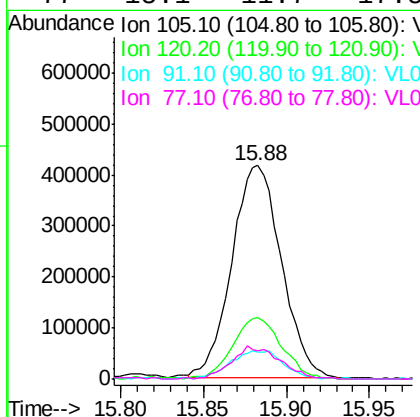
Manual Integrations
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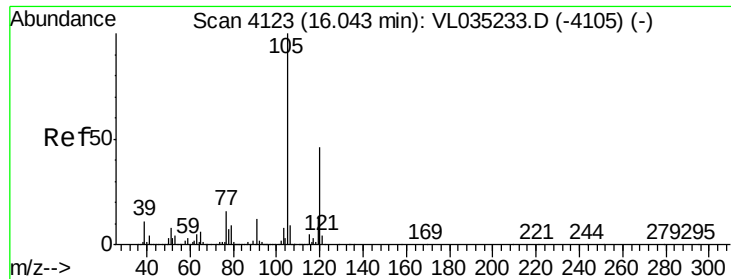
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 7/30/2020 6:10:20 PM



#72
 4-Ethyltoluene
 Concen: 2.248 ppbv
 RT: 15.88 min Scan# 4073
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.8	23.6	35.4
91	14.9	11.0	16.6
77	15.1	11.7	17.5





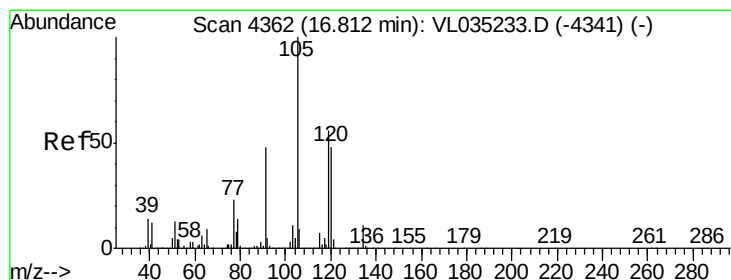
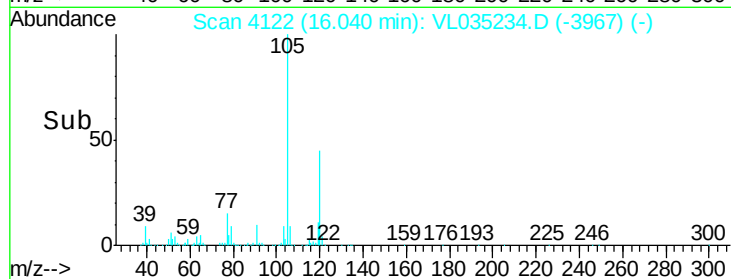
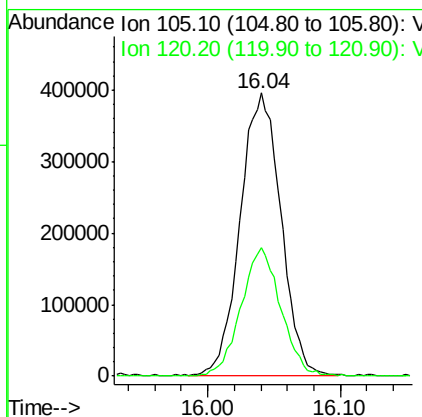
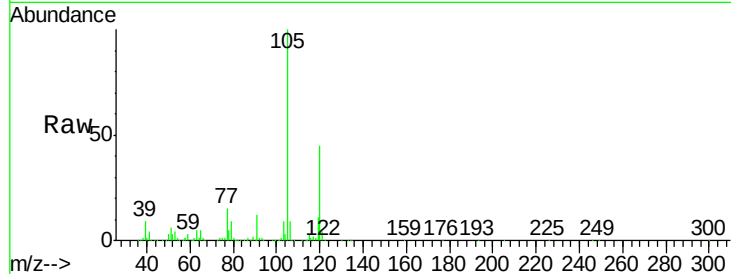
#73
 1,3,5-Trimethylbenzene
 Concen: 2.281 ppbv
 RT: 16.04 min Scan# 4122
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.4	36.8	55.2

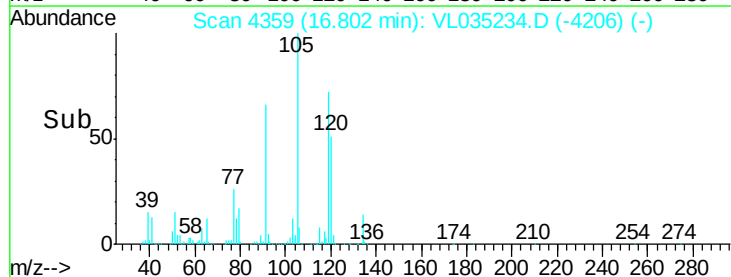
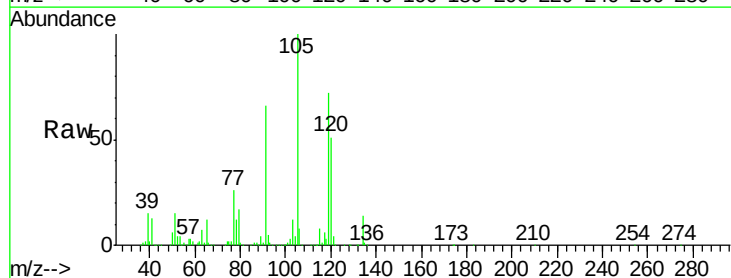
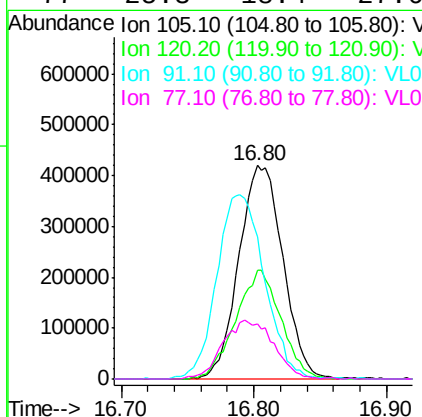
Manual Integrations
 APPROVED

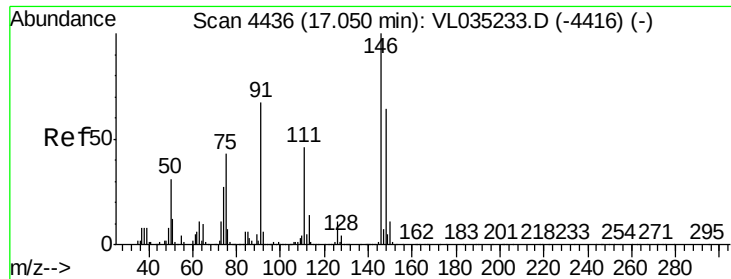
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#74
 1,2,4-Trimethylbenzene
 Concen: 2.366 ppbv
 RT: 16.80 min Scan# 4359
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	38.8	58.2
91	66.2	38.9	58.3#
77	25.3	18.4	27.6





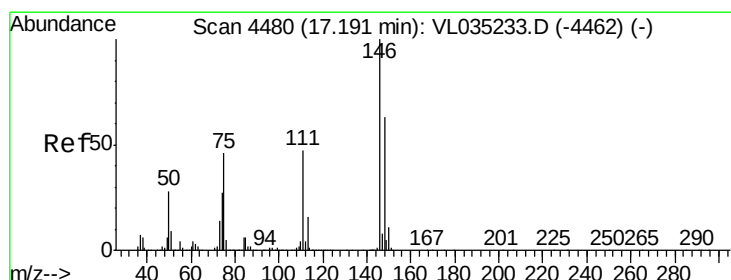
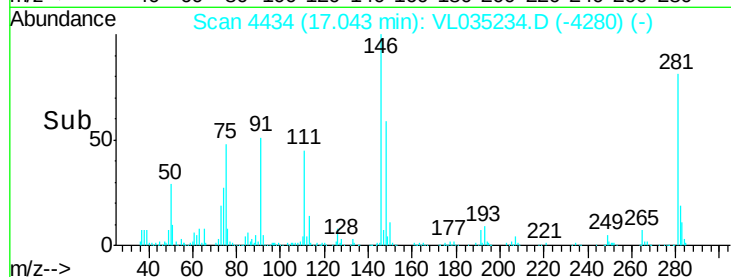
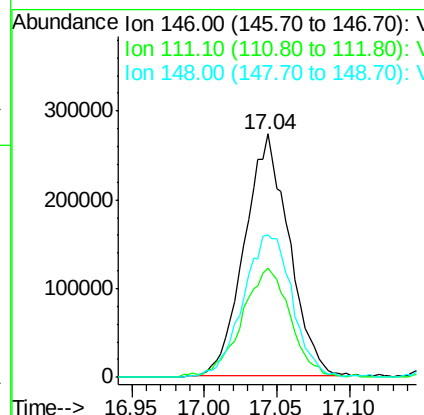
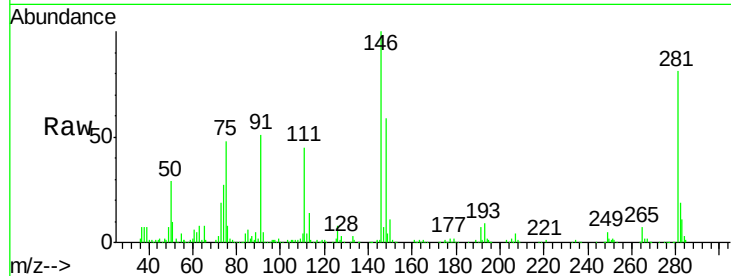
#75
 1,3-Dichlorobenzene
 Concen: 2.246 ppbv
 RT: 17.04 min Scan# 4434
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.4	73.4
148	64.8	32.1	96.5

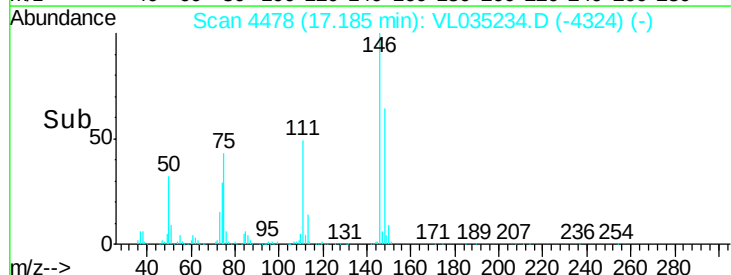
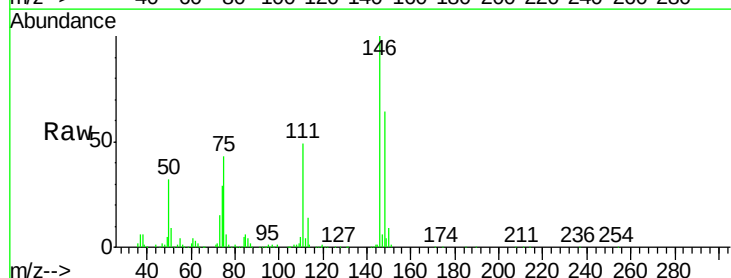
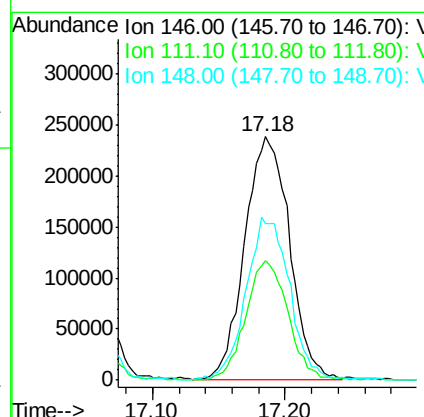
Manual Integrations
 APPROVED

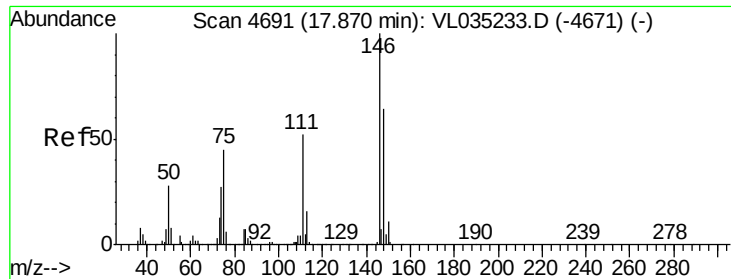
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#76
 1,4-Dichlorobenzene
 Concen: 2.300 ppbv
 RT: 17.18 min Scan# 4478
 Delta R.T. -0.01 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.4	70.2
148	65.8	32.2	96.6





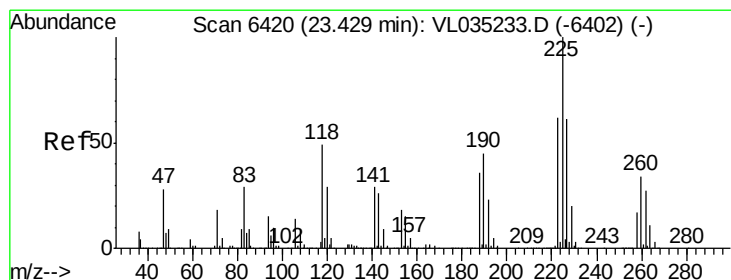
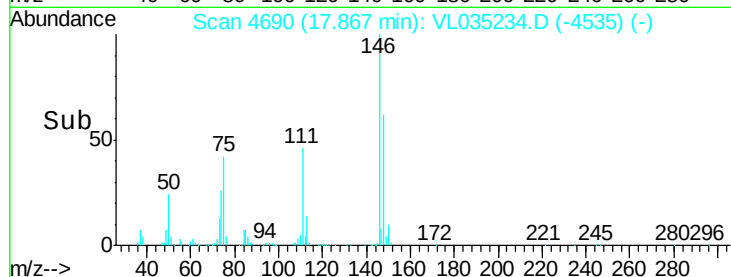
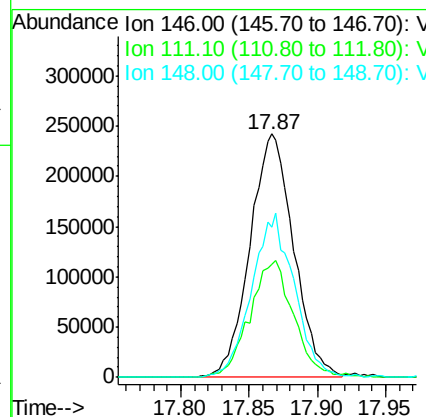
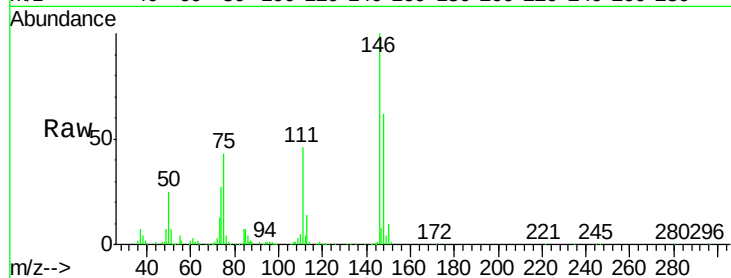
#77
 1,2-Dichlorobenzene
 Concen: 2.289 ppbv
 RT: 17.87 min Scan# 4690
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.7	24.6	73.8
148	65.7	32.0	96.0

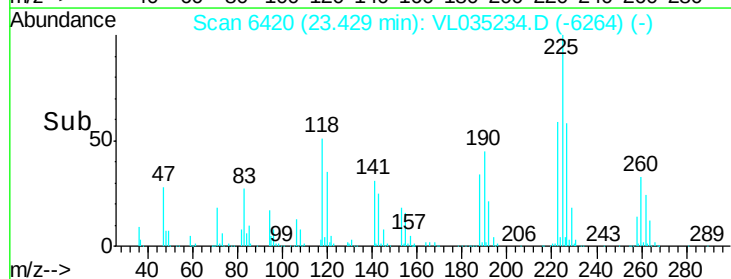
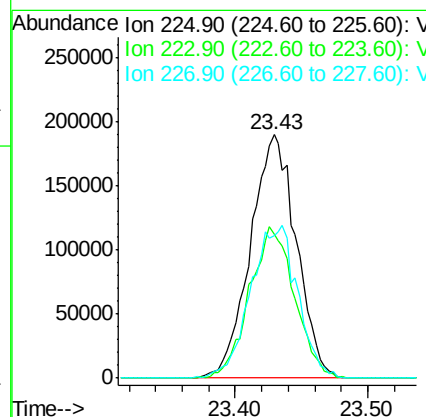
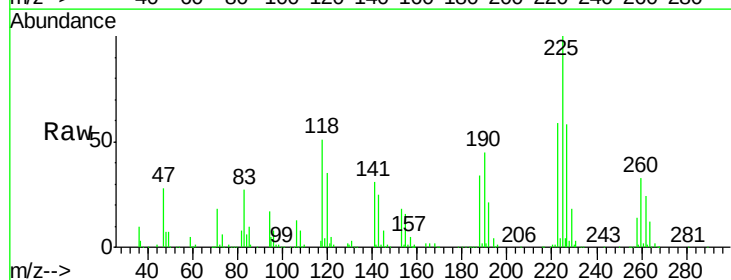
Manual Integrations
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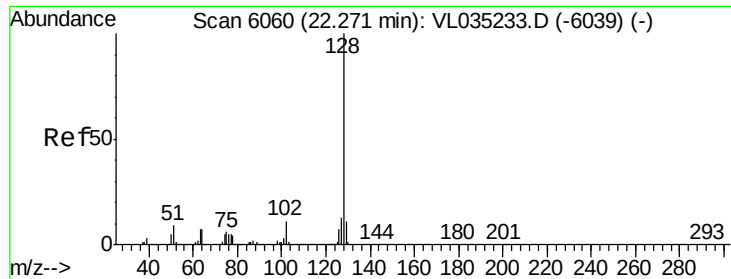
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#78
 Hexachloro-1,3-Butadiene
 Concen: 2.476 ppbv
 RT: 23.43 min Scan# 6420
 Delta R.T. 0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	51.3	76.9
227	64.5	51.4	77.2





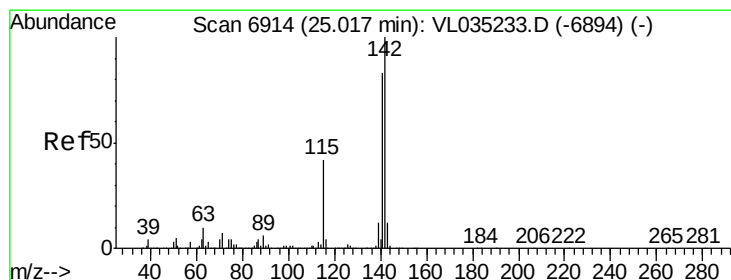
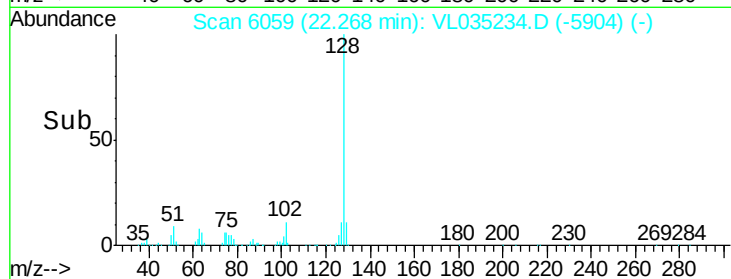
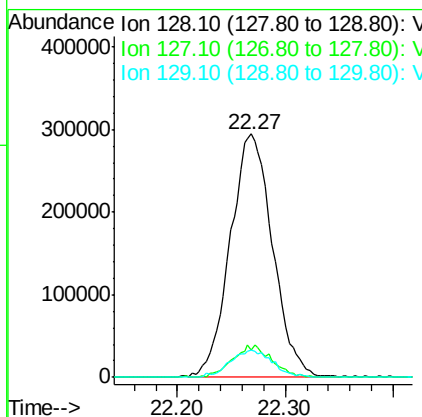
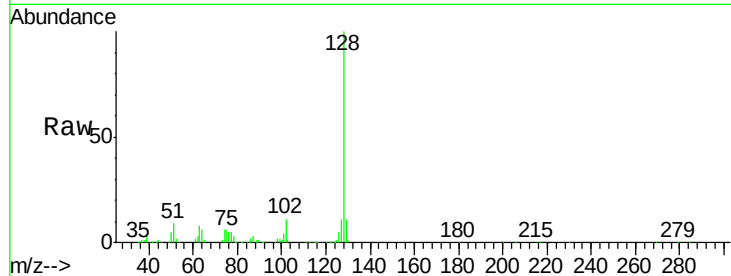
#79
Naphthalene
Concen: 2.952 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. -0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion:	128	Resp:	803909
Ion Ratio	Lower	Upper	
128	100		
127	11.0	10.4	15.6
129	11.1	8.5	12.7

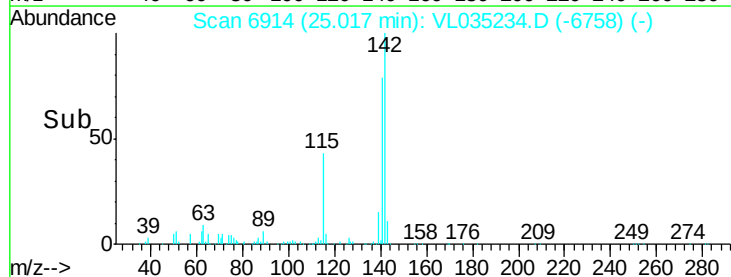
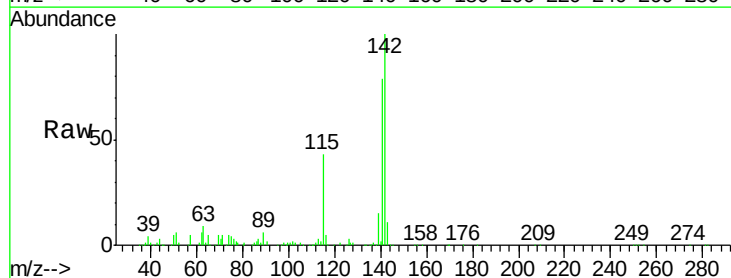
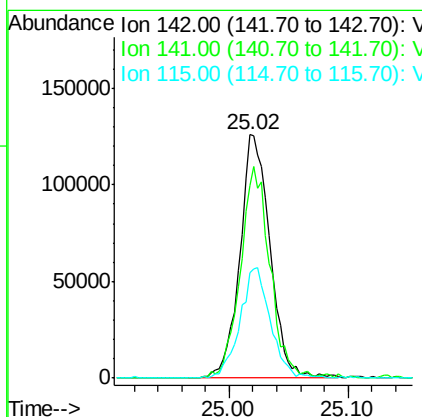
Manual Integrations
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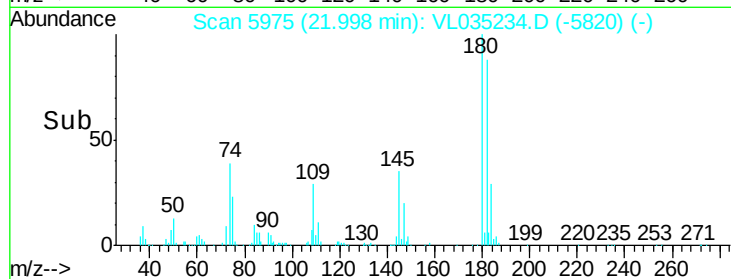
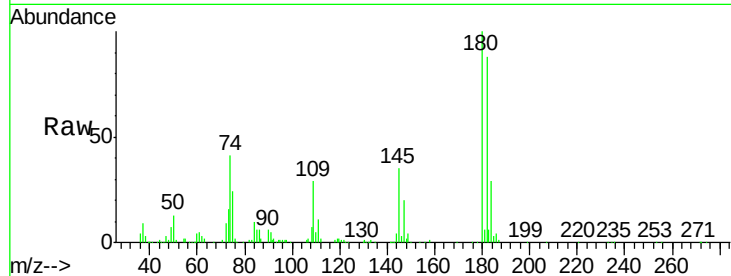
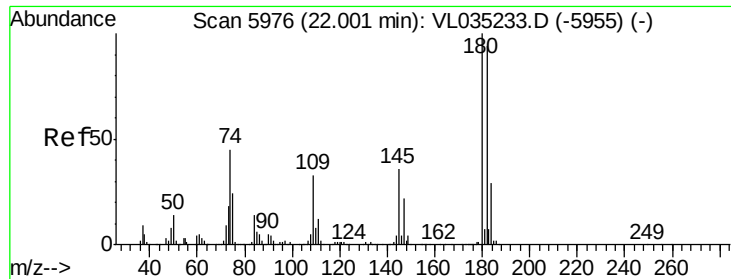
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#80
Naphthalene, 2-methyl-
Concen: 3.406 ppbv
RT: 25.02 min Scan# 6914
Delta R.T. 0.00 min
Lab File: VL035234.D
Acq: 29 Jul 2020 3:24

Tgt Ion:	142	Resp:	220974
Ion Ratio	Lower	Upper	
142	100		
141	85.2	68.6	103.0
115	45.9	34.5	51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 2.742 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. -0.00 min
 Lab File: VL035234.D
 Acq: 29 Jul 2020 3:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ion	Ratio	Resp	Lower	Upper
180	100		471111		
182	95.5	76.7	115.1		
184	30.5	24.7	37.1		

Manual Integrations
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