

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081320\
 Data File : VL035408.D
 Acq On : 13 Aug 2020 19:41
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:11:00 PM

Quant Time: Aug 14 05:03:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
 QLast Update : Wed Aug 12 20:32:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1402736	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	3246739	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3319960m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2660127	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1654871	9.796	ppbv	98
3) Chlorodifluoromethane	2.98	51	1569500	9.624	ppbv	97
4) Chloromethane	3.13	50	853886	9.369	ppbv	98
5) Vinyl Chloride	3.25	62	806803	8.956	ppbv	97
6) Bromomethane	3.47	94	479412	9.598	ppbv	96
7) Chloroethane	3.55	64	292067	9.192	ppbv	93
8) Dichlorotetrafluoroethane	3.18	85	1837334	9.370	ppbv	95
9) Propene	3.00	41	738135	8.737	ppbv	100
10) Heptane	8.13	43	1939679	8.864	ppbv	99
11) Trichlorofluoromethane	3.95	101	1971450	9.623	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1299851	9.324	ppbv	94
13) Ethanol	3.60	45	176951	6.387	ppbv	98
14) Bromoethene	3.74	108	585830	9.405	ppbv	99
15) Acetone	3.85	43	1462157	8.276	ppbv	99
16) 1,3-Butadiene	3.32	39	765925	8.443	ppbv	99
17) tert-Butyl alcohol	4.29	59	1692199	8.211	ppbv	99
18) 1,1-Dichloroethene	4.29	96	598198	9.366	ppbv	97
19) Isopropyl Alcohol	3.97	45	1182725	8.578	ppbv #	46
20) Methylene Chloride	4.34	84	538518	8.072	ppbv	100
21) Allyl Chloride	4.41	41	1021903	8.809	ppbv	97
22) trans-1,2-Dichloroethene	4.88	96	607513	9.468	ppbv	94
23) Vinyl Acetate	5.08	43	2456617	8.710	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1736518	9.349	ppbv	100
25) Ethyl Acetate	5.68	43	3127445	8.576	ppbv	99
26) Hexane	5.69	57	1377026	8.629	ppbv	99
27) Carbon Disulfide	4.55	76	1556051	9.134	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	2279642	8.652	ppbv	99
29) Chloroform	5.76	83	2206470	9.689	ppbv	98
30) Cyclohexane	7.14	84	1192886	9.070	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1484753	9.384	ppbv	99
32) 1,1,1-Trichloroethane	6.52	97	2174521	8.754	ppbv	99
34) 2-Butanone	5.25	43	2137368	9.238	ppbv	99
35) Carbon Tetrachloride	7.02	117	2137573	9.471	ppbv	95
36) Benzene	6.90	78	2854017	9.167	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1739721	10.067	ppbv	98
38) Trichloroethene	7.84	130	1001727	8.210	ppbv	97
39) 1,2-Dichloropropane	7.62	63	1163566	9.438	ppbv	94
40) 1,4-Dioxane	7.84	88	454512	9.052	ppbv	98
41) Tetrahydrofuran	6.05	42	1286760	9.322	ppbv	99
42) Bromodichloromethane	7.80	83	2399365	9.856	ppbv	98
43) Methyl Methacrylate	8.02	69	1311465	9.495	ppbv	99

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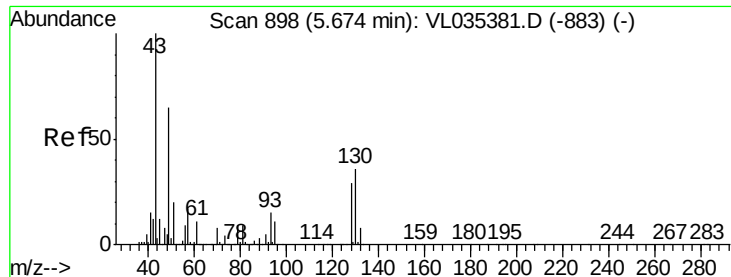
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081220AIR.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4792104	8.948	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1550537	9.675	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1756574	9.385	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1188833	9.508	ppbv	98
48) Dibromochloromethane	10.32	129	1877388	9.394	ppbv	100
49) Bromoform	13.06	173	1557668	9.507	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	3164899	9.076	ppbv	100
51) 2-Hexanone	10.15	43	2739926	9.333	ppbv #	99
52) Tetrachloroethene	11.24	164	907089	8.216	ppbv	99
53) Toluene	9.82	91	3327266	9.003	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1826146	9.222	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.14	131	1409379	8.736	ppbv	96
57) Chlorobenzene	12.16	112	2383382	8.421	ppbv	98
58) Ethyl Benzene	12.73	91	4532060	8.637	ppbv	99
59) m/p-Xylene	13.01	91	7459709m	17.048	ppbv	
60) o-Xylene	13.71	91	3635856	8.581	ppbv	99
61) Styrene	13.55	104	2725864	8.714	ppbv	98
62) Isopropylbenzene	14.69	105	5334588	8.393	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.70	83	2588366	8.375	ppbv	99
64) n-propylbenzene	15.58	120	1432848	8.546	ppbv	91
65) tert-Butylbenzene	16.77	119	4548960	8.130	ppbv	96
66) Benzyl Chloride	17.01	91	1966002	7.780	ppbv	97
67) sec-Butylbenzene	17.32	105	6703781	8.311	ppbv	98
69) p-Isopropyltoluene	17.68	119	5532076	8.228	ppbv	98
70) n-Butylbenzene	18.57	91	6288514	8.448	ppbv	99
71) 2-Chlorotoluene	15.47	91	4437288	8.673	ppbv	98
72) 4-Ethyltoluene	15.86	105	4421863	8.550	ppbv	98
73) 1,3,5-Trimethylbenzene	16.02	105	4140265	8.538	ppbv	96
74) 1,2,4-Trimethylbenzene	16.79	105	4218437	8.271	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	2301945	8.271	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2389323	8.358	ppbv	98
77) 1,2-Dichlorobenzene	17.84	146	2351387	8.380	ppbv	99
78) Hexachloro-1,3-Butadiene	23.40	225	1744503m	7.539	ppbv	
79) Naphthalene	22.23	128	4989647	7.855	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	2125186	7.184	ppbv	99
81) 1,2,4-Trichlorobenzene	21.96	180	2348407	7.811	ppbv	99

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



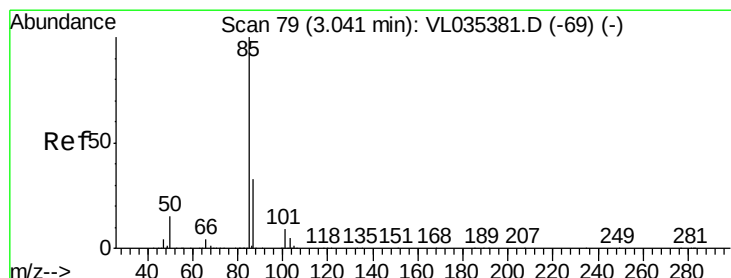
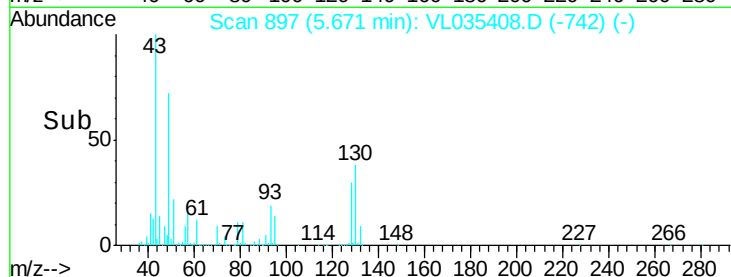
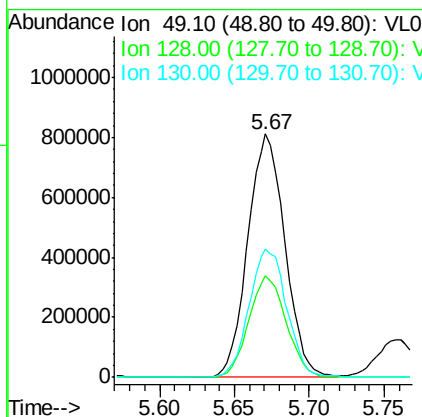
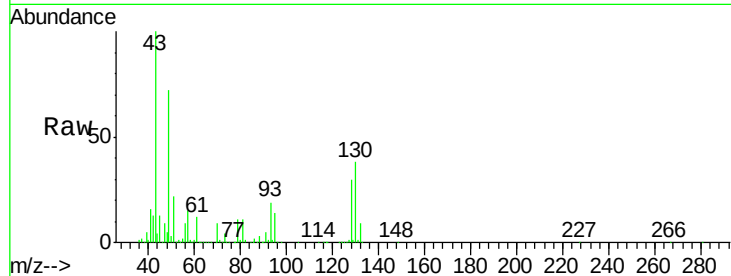
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
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ClientSampleId :
VSTDCCC010EC

Tot Ion: 49 Resp: 1402736
Ion Ratio Lower Upper
49 100
128 42.1 21.8 65.3
130 53.7 27.9 83.6

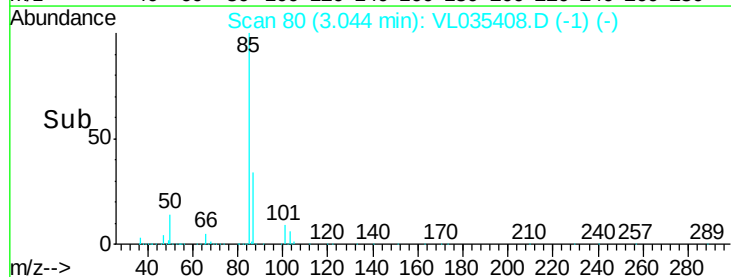
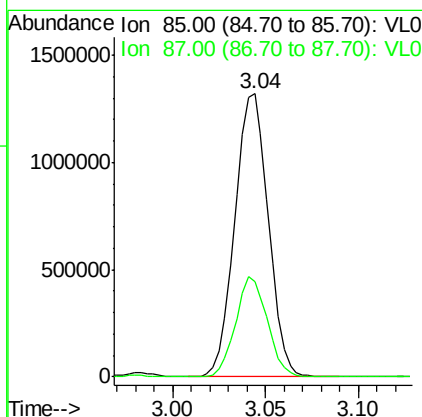
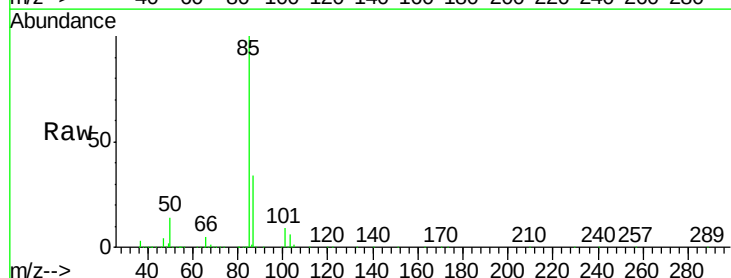
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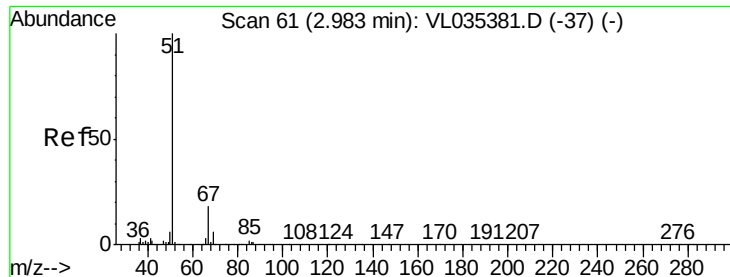
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#2
Dichlorodifluoromethane
Concen: 9.796 ppbv
RT: 3.04 min Scan# 80
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 85 Resp: 1654871
Ion Ratio Lower Upper
85 100
87 33.5 26.1 39.1





#3

Chlorodifluoromethane

Concen: 9.624 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tot Ion: 51 Resp: 1569500

Ion Ratio Lower Upper

51 100

67 18.8 14.1 21.1

Instrument :

MSVOA_L

ClientSampleId :

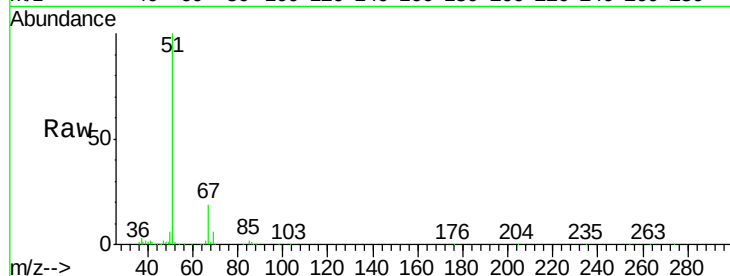
VSTDCCC010EC

Manual Integrations

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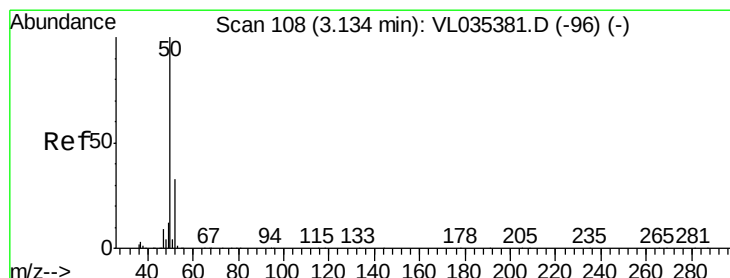
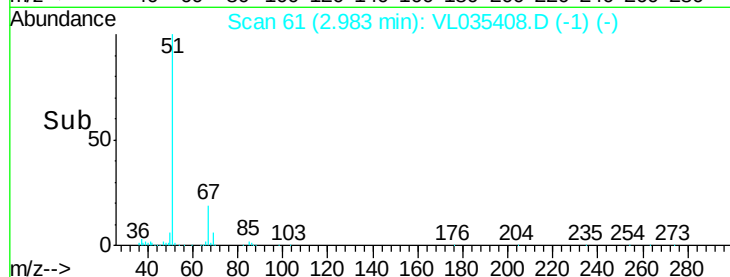
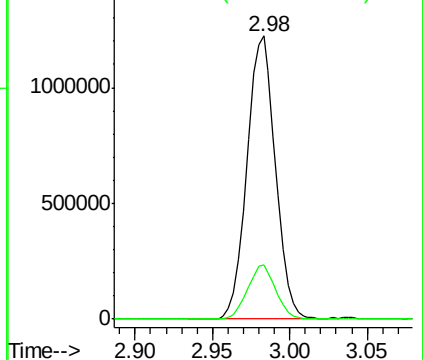
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.369 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.00 min

Lab File: VL035408.D

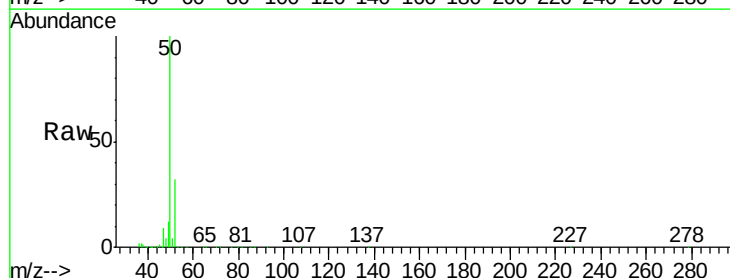
Acq: 13 Aug 2020 19:41

Tgt Ion: 50 Resp: 853886

Ion Ratio Lower Upper

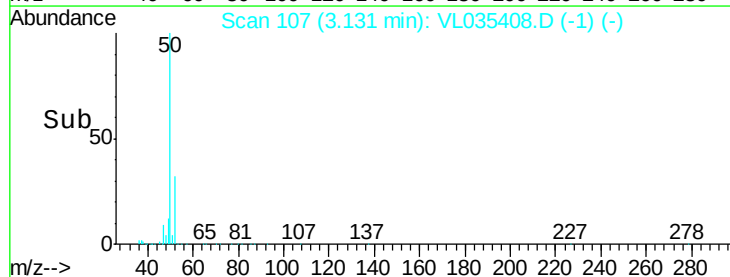
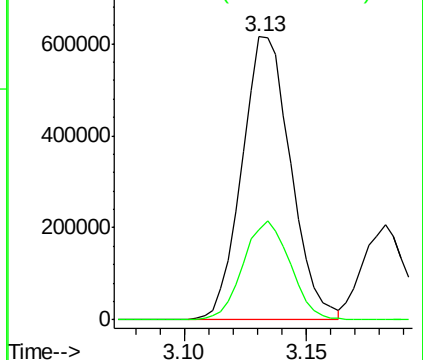
50 100

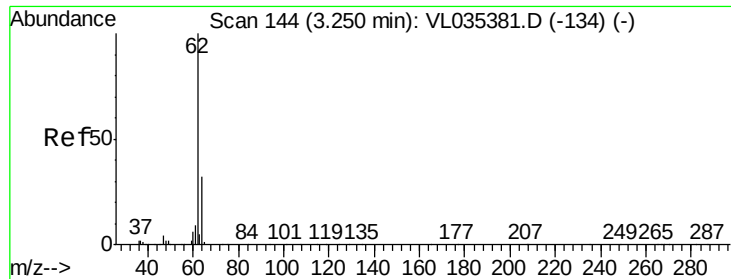
52 31.9 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.956 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 806803

Ion Ratio Lower Upper

62 100

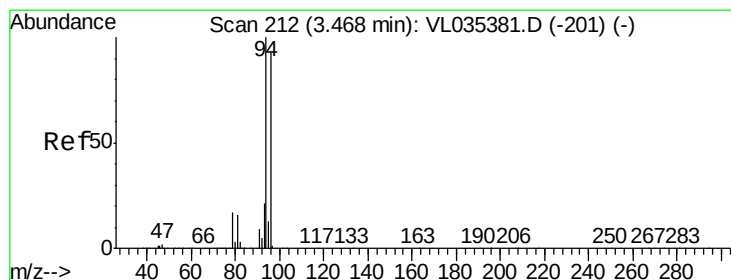
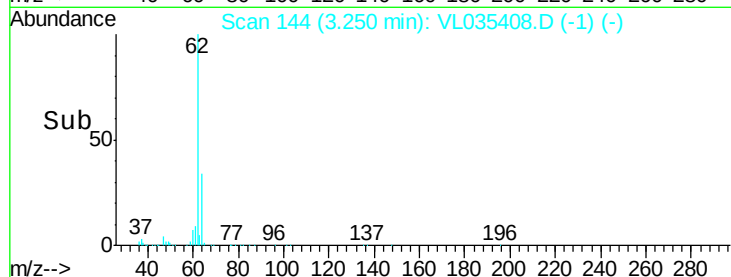
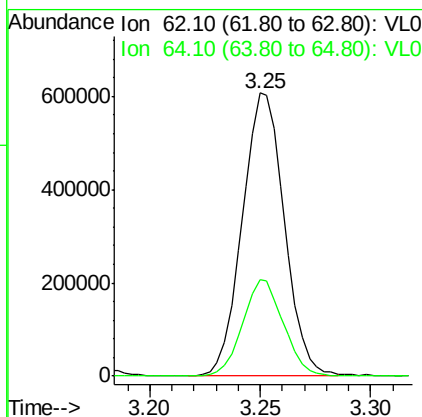
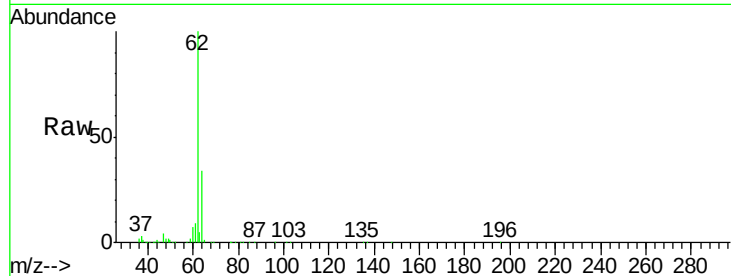
64 34.0 25.7 38.5

Manual Integrations

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#6

Bromomethane

Concen: 9.598 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL035408.D

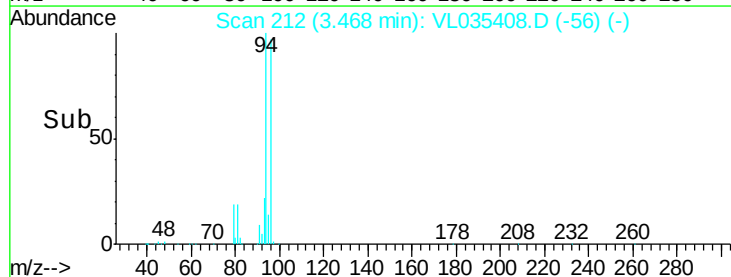
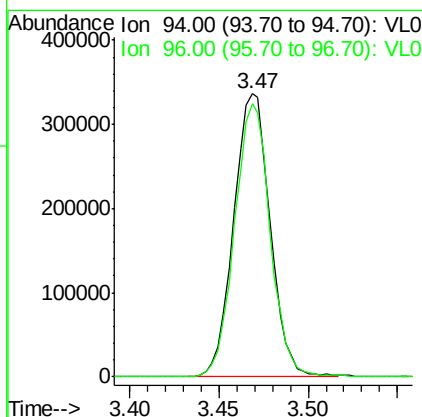
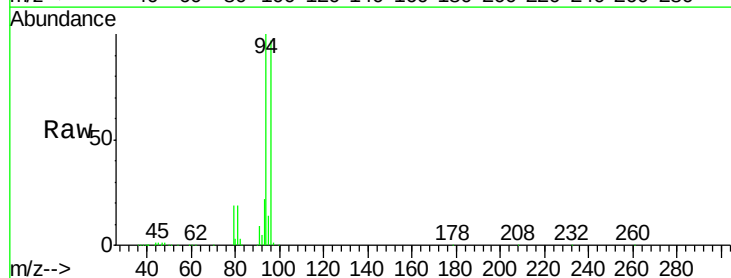
Acq: 13 Aug 2020 19:41

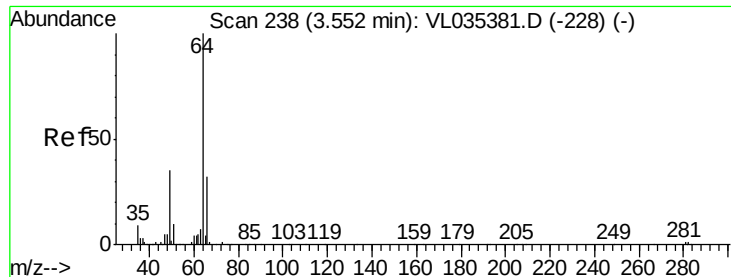
Tgt Ion: 94 Resp: 479412

Ion Ratio Lower Upper

94 100

96 96.6 74.4 111.6





#7

Chloroethane

Concen: 9.192 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 292067

Ion Ratio Lower Upper

64 100

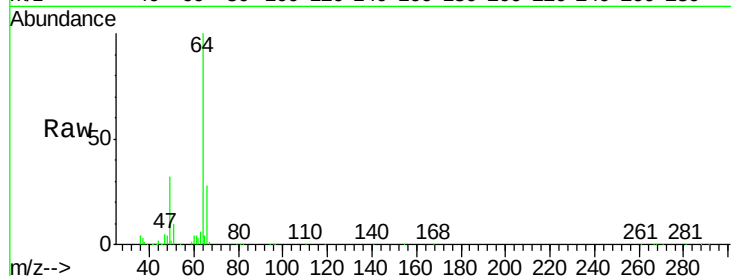
66 28.4 25.7 38.5

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

0

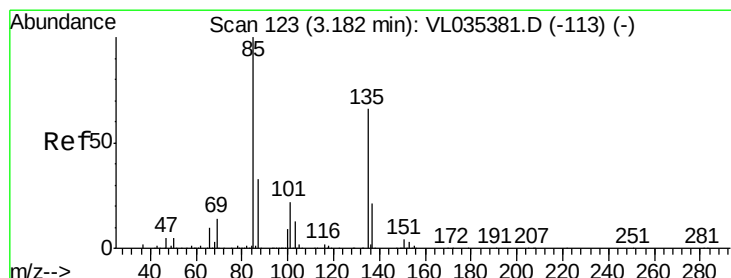
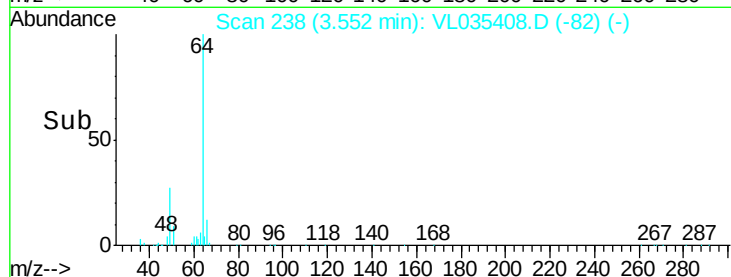
3.55

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.370 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL035408.D

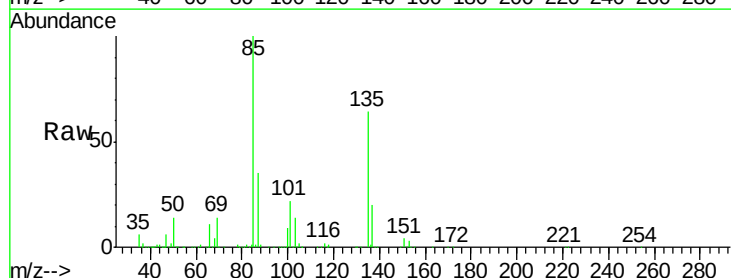
Acq: 13 Aug 2020 19:41

Tgt Ion: 85 Resp: 1837334

Ion Ratio Lower Upper

85 100

135 61.3 52.5 78.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1500000

1000000

500000

0

3.18

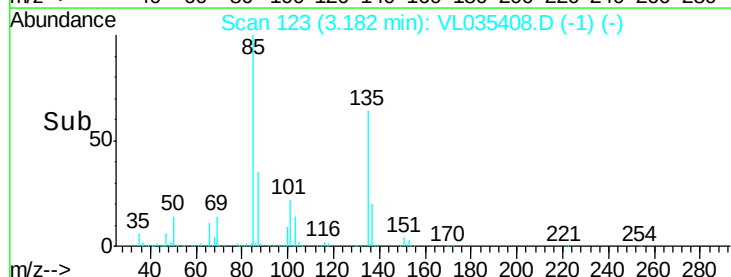
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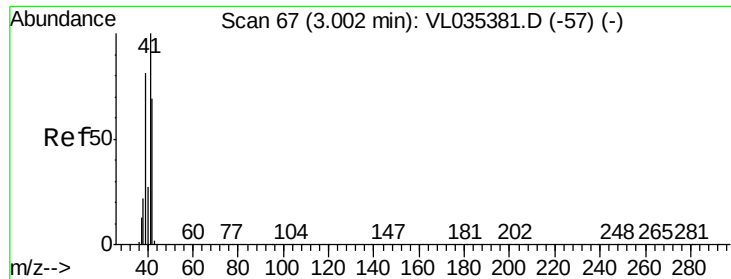
3.15

3.20

3.25

Time-->





#9

Propene

Concen: 8.737 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

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ClientSampleId :

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Tot Ion: 41 Resp: 738135

Ion Ratio Lower Upper

41 100

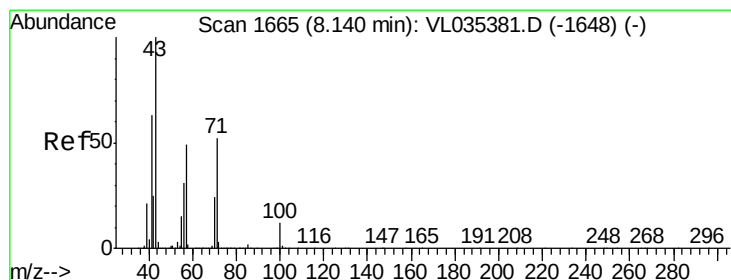
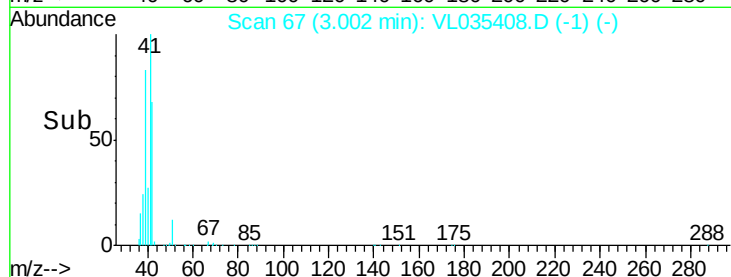
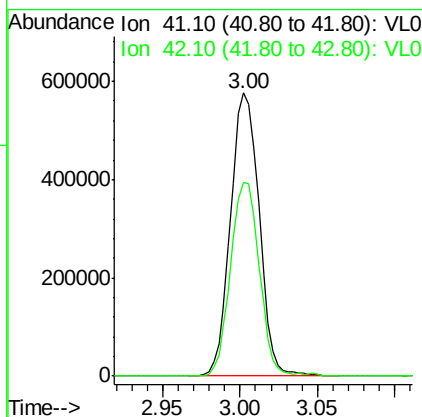
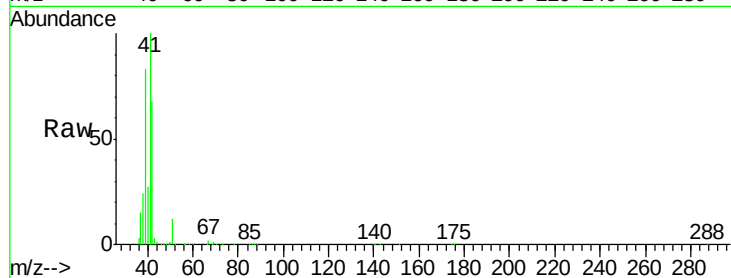
42 69.3 55.4 83.2

Manual Integrations

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#10

Heptane

Concen: 8.864 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.01 min

Lab File: VL035408.D

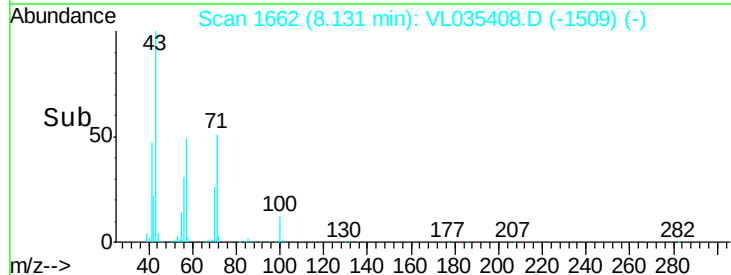
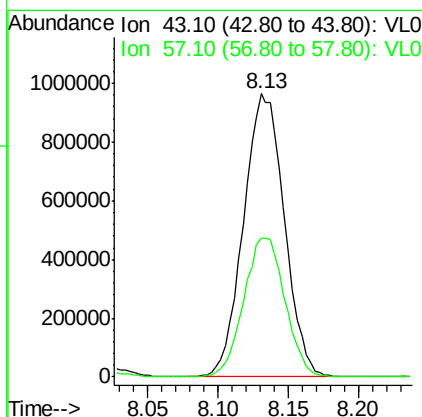
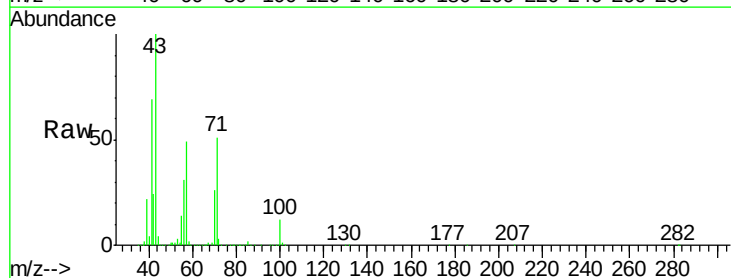
Acq: 13 Aug 2020 19:41

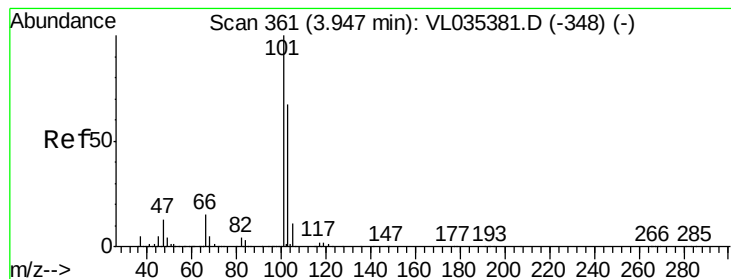
Tgt Ion: 43 Resp: 1939679

Ion Ratio Lower Upper

43 100

57 49.8 39.4 59.2





#11

Trichlorofluoromethane

Concen: 9.623 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1971450

Ion Ratio Lower Upper

101 100

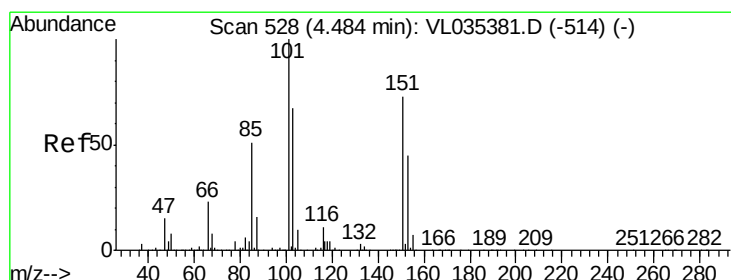
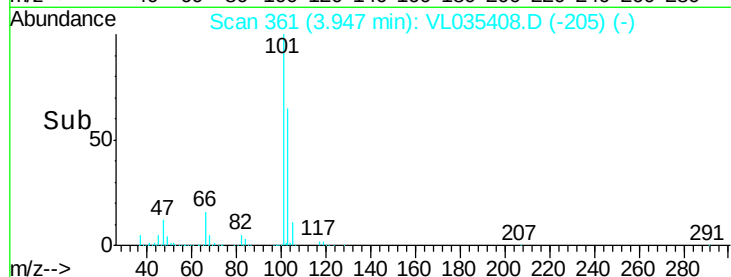
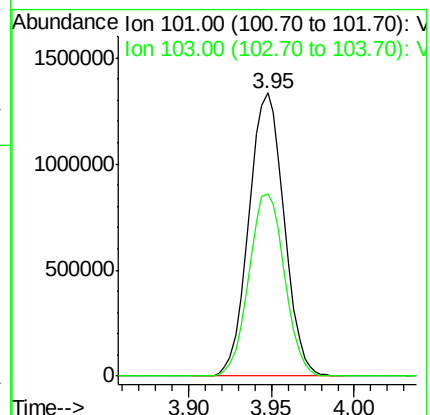
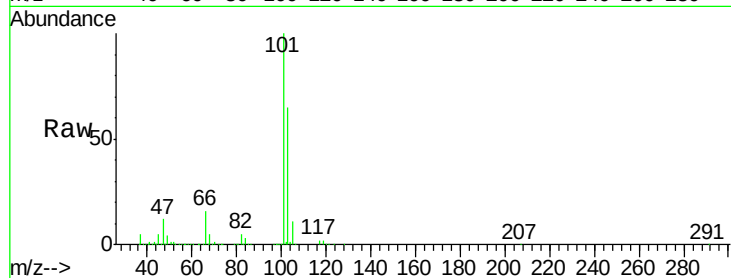
103 64.6 53.3 79.9

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.324 ppbv

RT: 4.48 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL035408.D

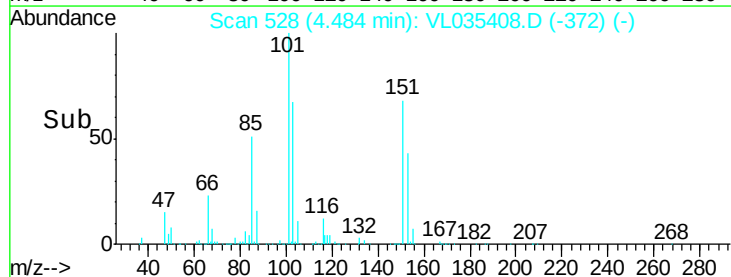
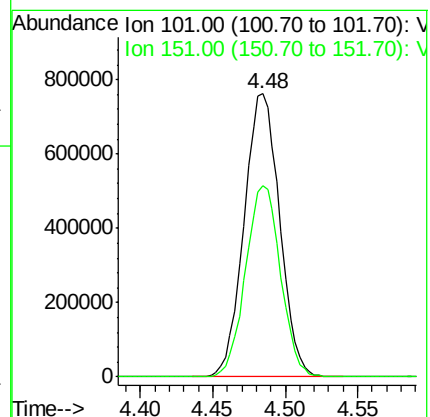
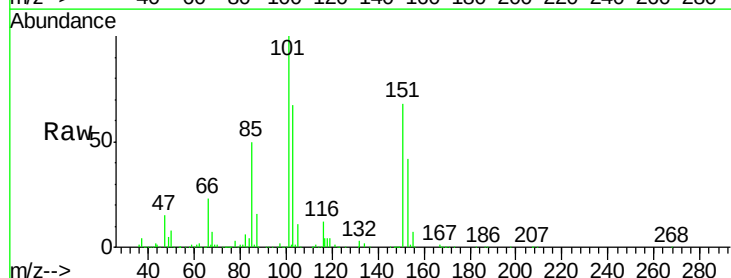
Acq: 13 Aug 2020 19:41

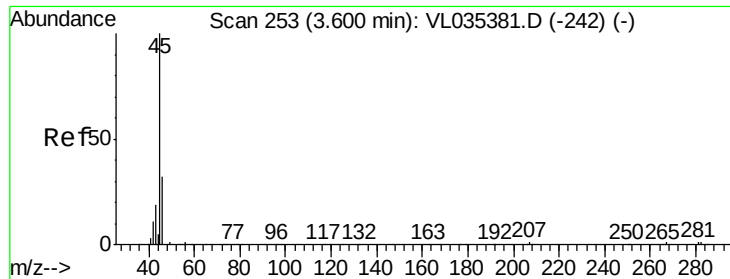
Tgt Ion:101 Resp: 1299851

Ion Ratio Lower Upper

101 100

151 66.7 57.0 85.6





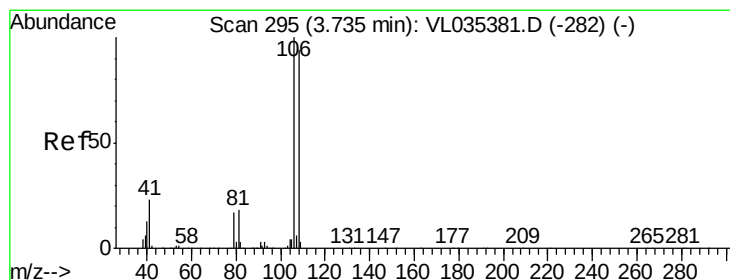
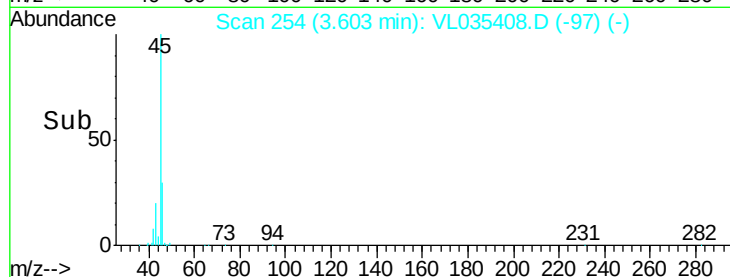
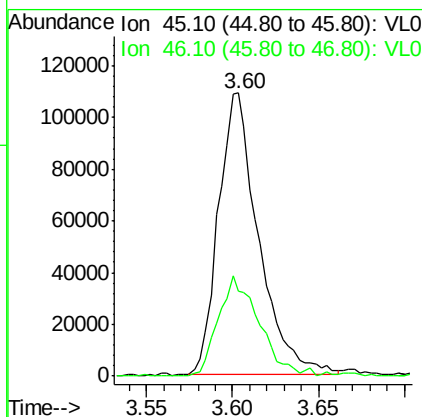
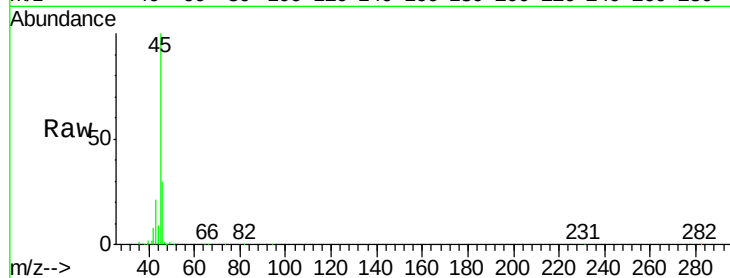
#13
Ethanol
Concen: 6.387 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.1	56.3

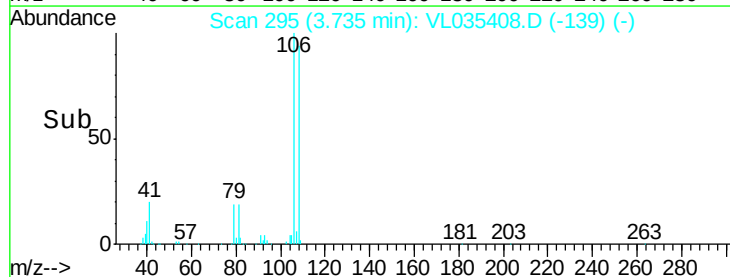
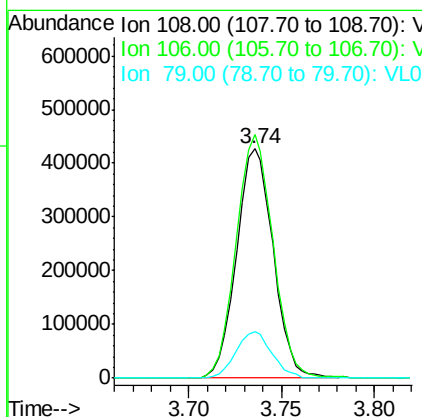
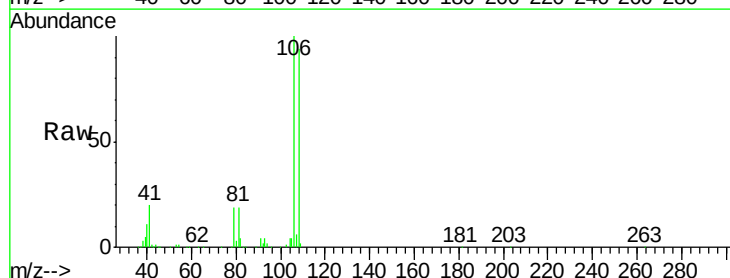
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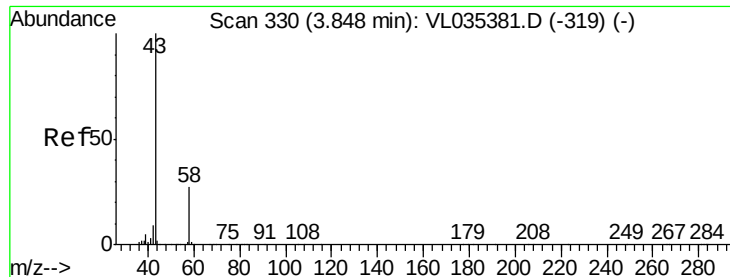
MMDadoda
8/17/2020 9:11:00 PM



#14
Bromoethene
Concen: 9.405 ppbv
RT: 3.74 min Scan# 295
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
108	100		
106	107.1	84.9	127.3
79	20.3	15.8	23.8





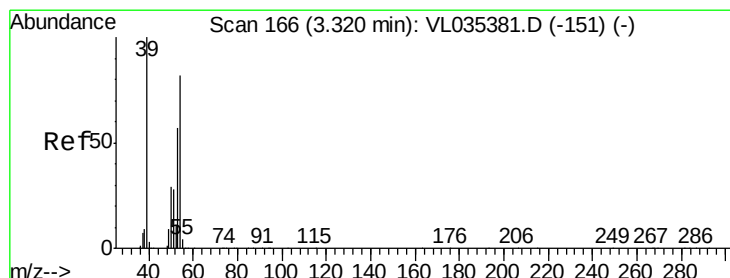
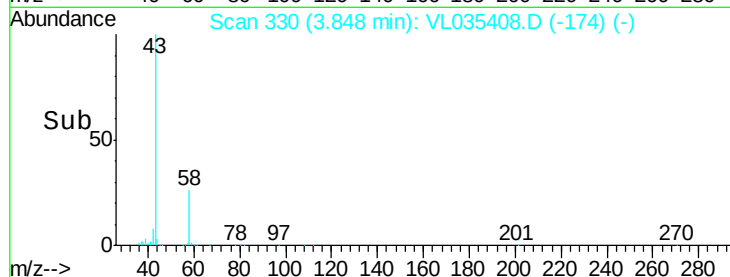
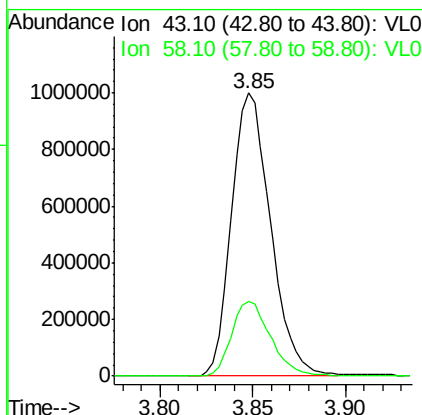
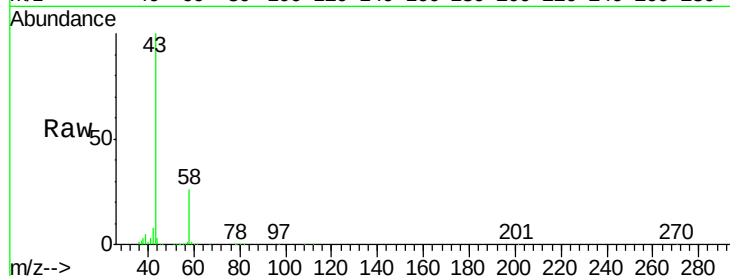
#15
Acetone
Concen: 8.276 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1462157
Ion Ratio Lower Upper
43 100
58 26.6 21.7 32.5

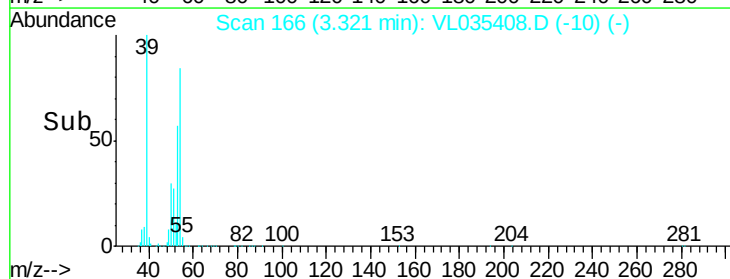
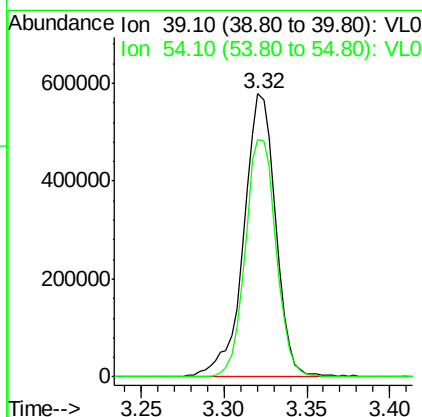
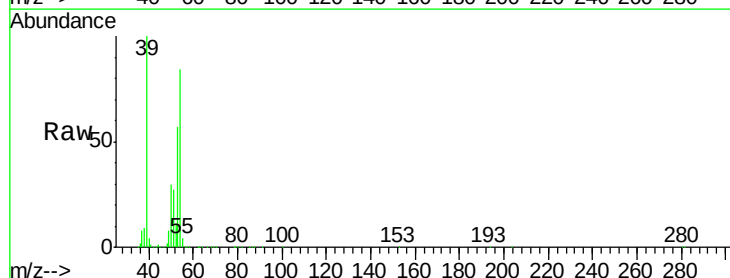
Manual Integrations
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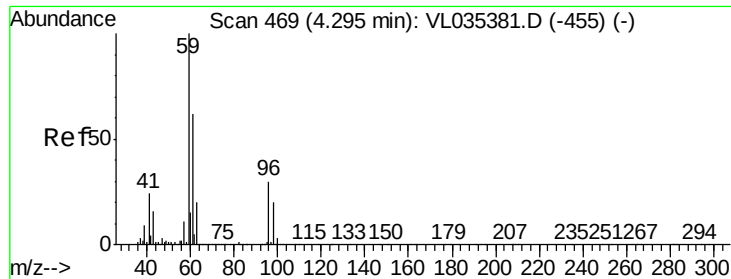
MMDadoda
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#16
1,3-Butadiene
Concen: 8.443 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 39 Resp: 765925
Ion Ratio Lower Upper
39 100
54 82.2 64.9 97.3





#17

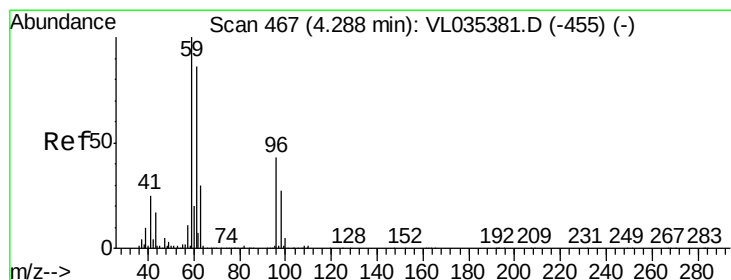
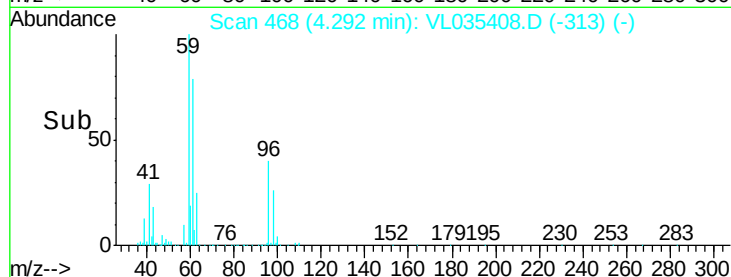
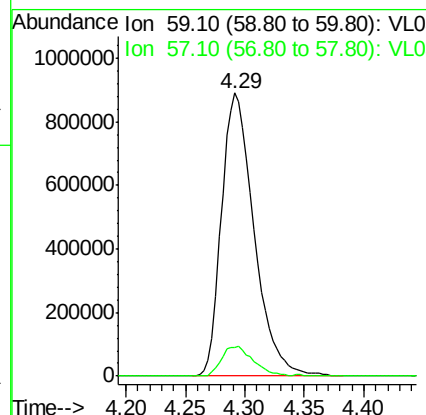
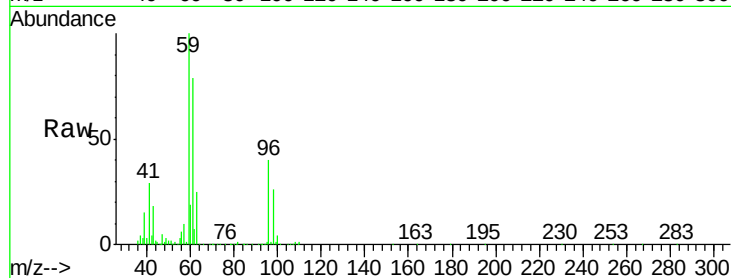
tert-Butyl alcohol
Concen: 8.211 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1692199
Ion Ratio Lower Upper
59 100
57 10.6 8.6 13.0

Manual Integrations
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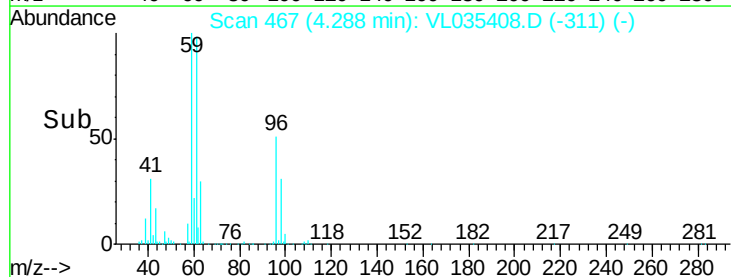
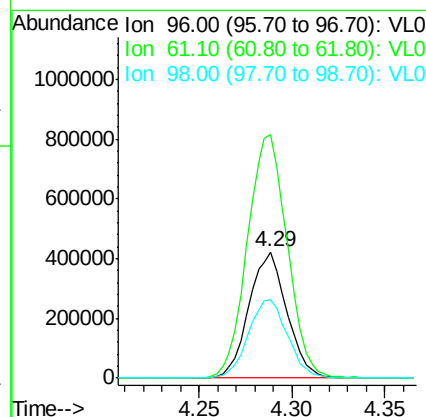
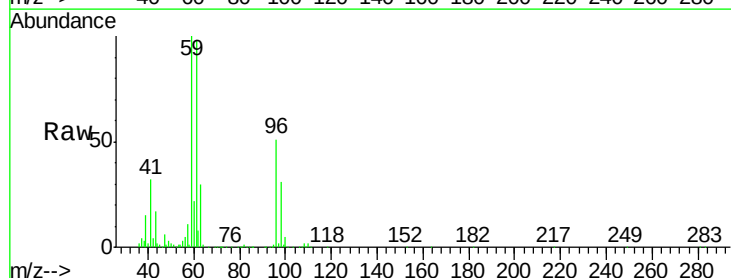
MMDadoda
8/17/2020 9:11:00 PM

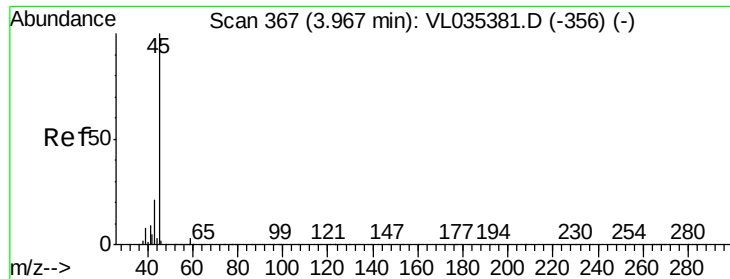


#18

1,1-Dichloroethene
Concen: 9.366 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 96 Resp: 598198
Ion Ratio Lower Upper
96 100
61 193.1 159.0 238.4
98 62.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.578 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 1182725

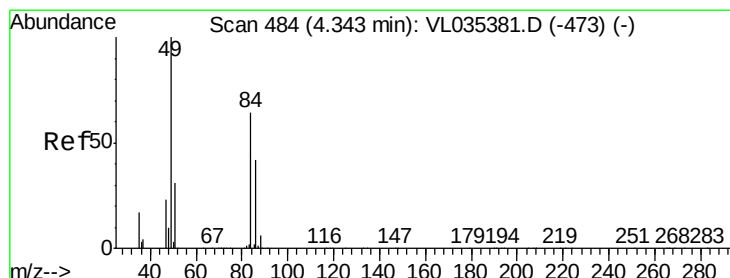
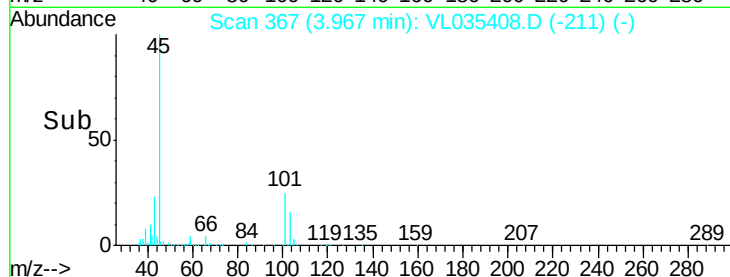
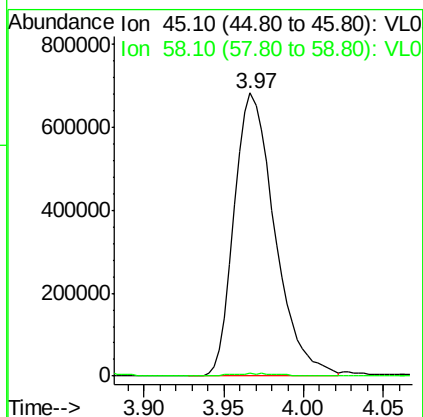
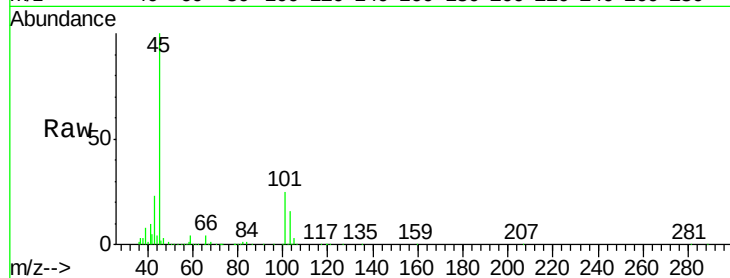
Ion Ratio Lower Upper

45 100

58 1.4 24.9 37.3#

Manual Integrations
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#20

Methylene Chloride

Concen: 8.072 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion: 84 Resp: 538518

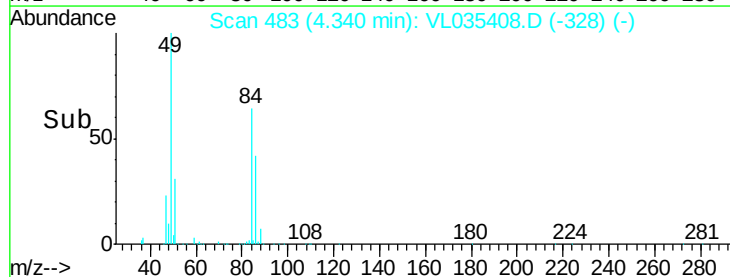
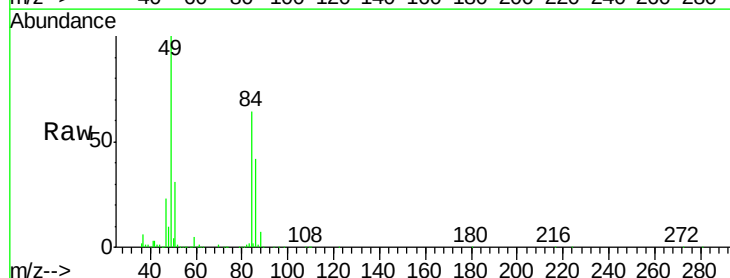
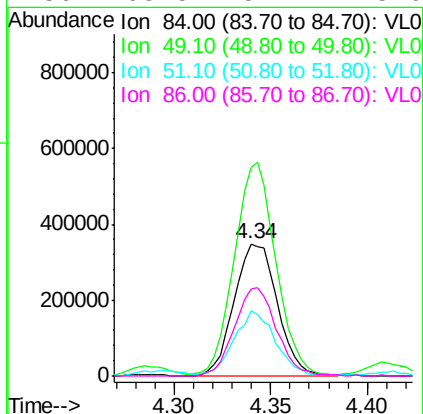
Ion Ratio Lower Upper

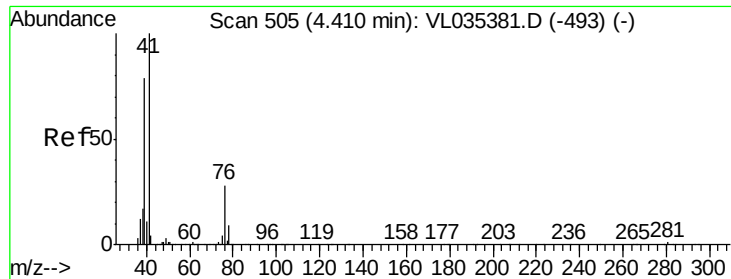
84 100

49 156.5 125.7 188.5

51 48.6 38.5 57.7

86 65.5 52.4 78.6





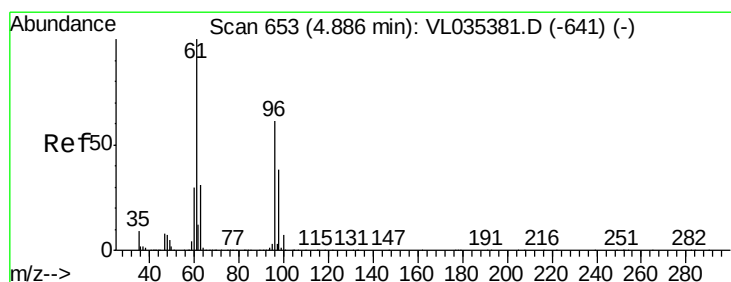
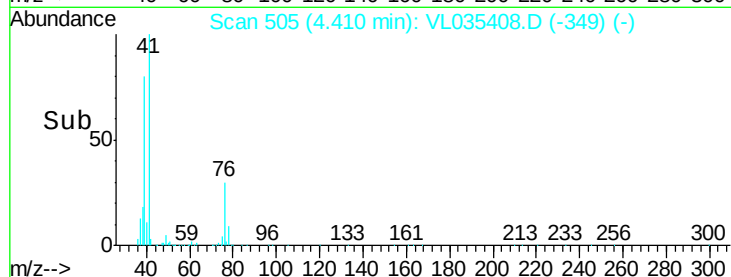
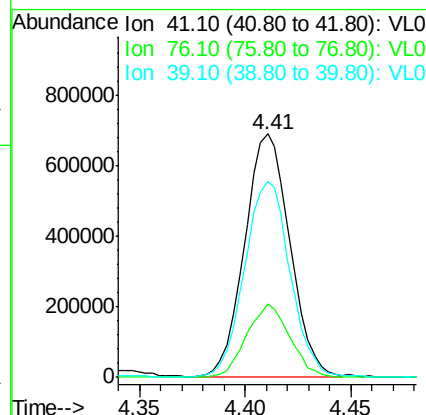
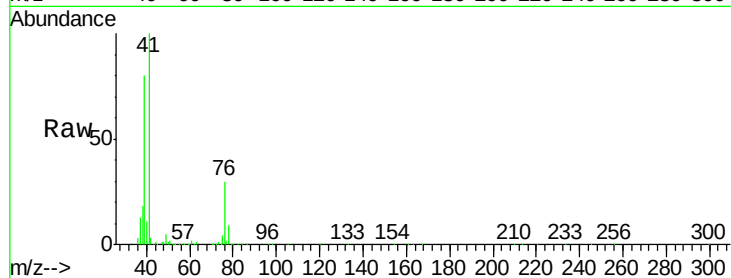
#21
Allvl Chloride
Concen: 8.809 ppbv
RT: 4.41 min Scan# 505
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1021903
Ion Ratio Lower Upper
41 100
76 28.9 22.4 33.6
39 81.7 63.0 94.4

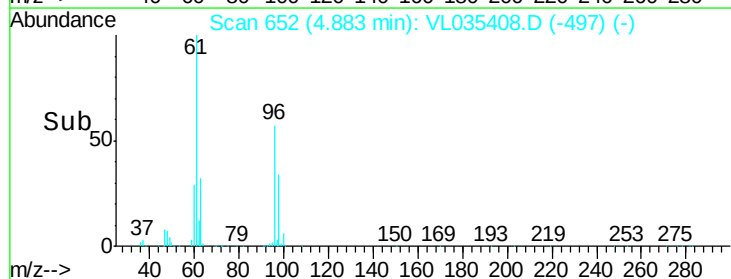
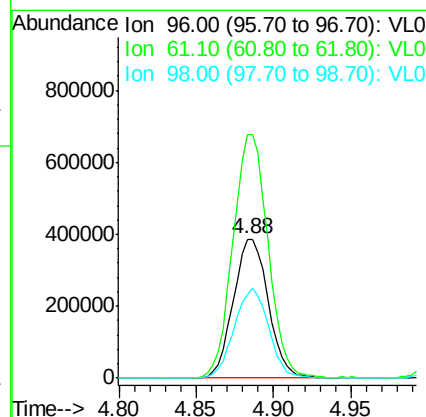
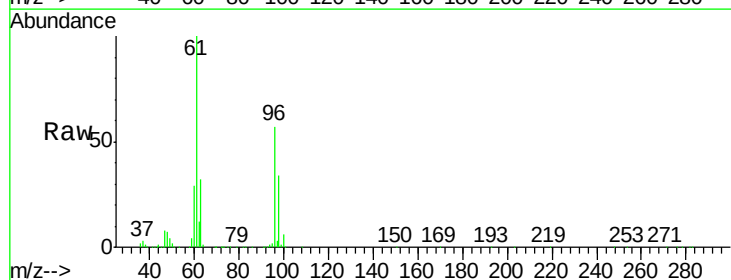
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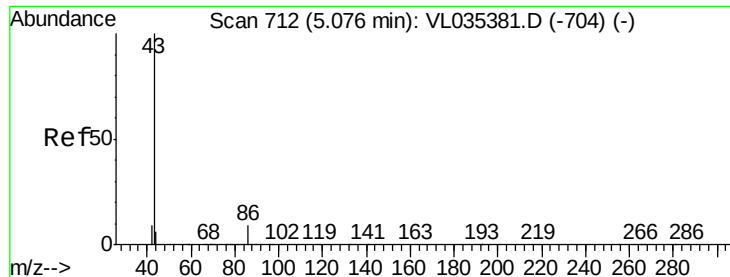
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.468 ppbv
RT: 4.88 min Scan# 652
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 96 Resp: 607513
Ion Ratio Lower Upper
96 100
61 175.0 131.8 197.6
98 60.2 49.6 74.4





#23

Vinyl Acetate

Concen: 8.710 ppbv

RT: 5.08 min Scan# 712

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2456617

Ion Ratio Lower Upper

43 100

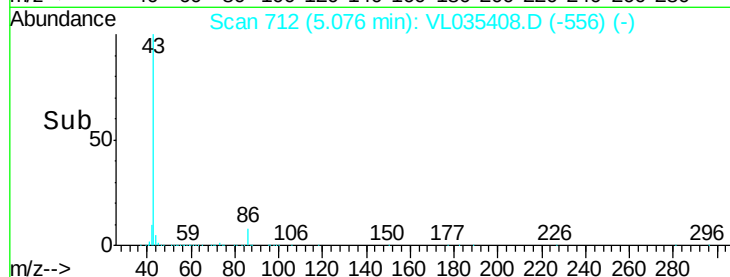
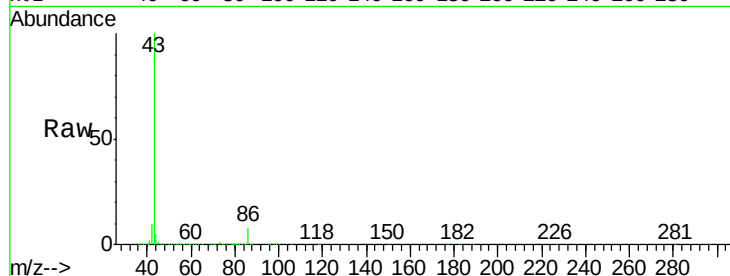
86 8.1 5.8 8.8

42 10.2 8.0 12.0

44 5.2 4.2 6.2

Manual Integrations
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8/17/2020 9:11:00 PM

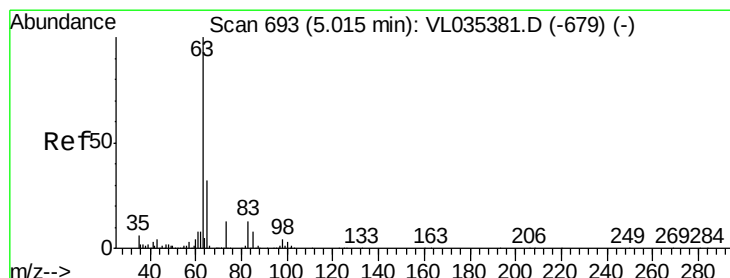
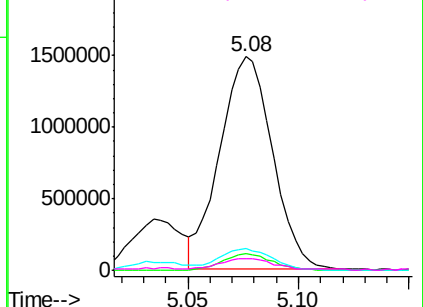


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.349 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

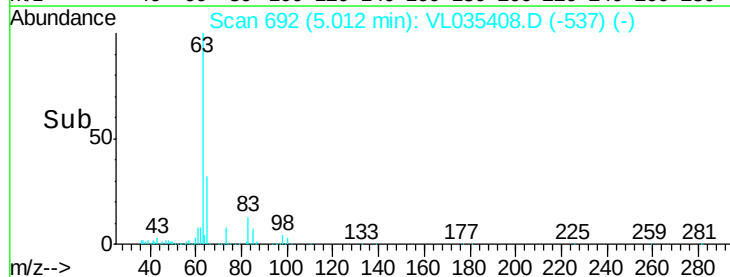
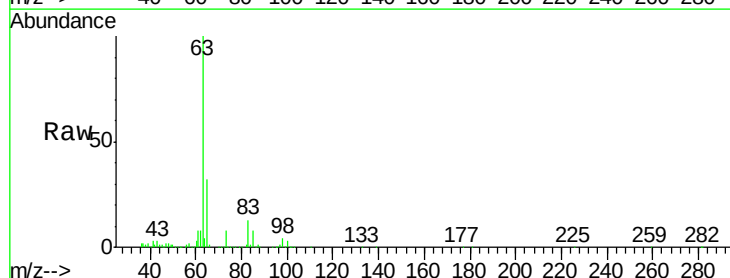
Tgt Ion: 63 Resp: 1736518

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

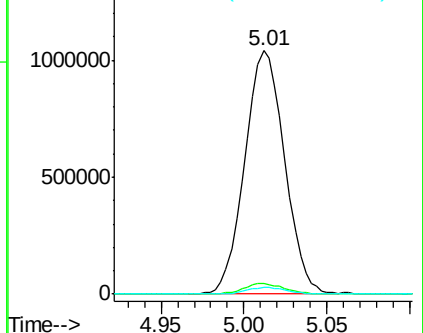
100 2.9 1.4 4.0

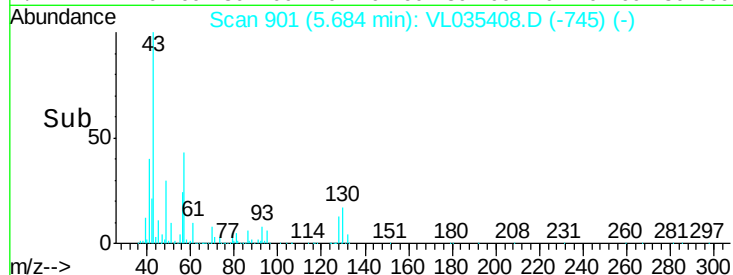
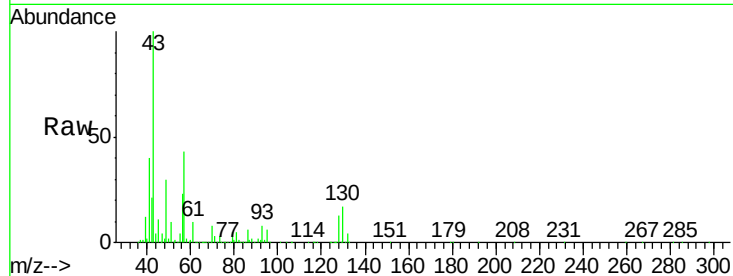
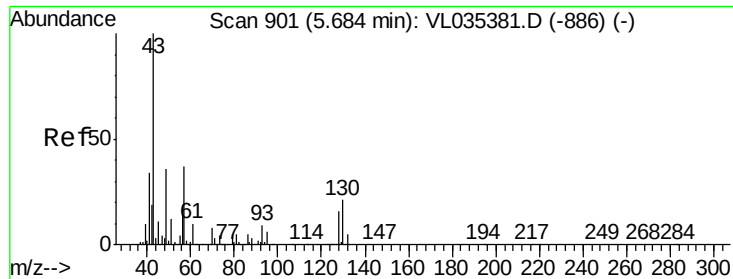


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





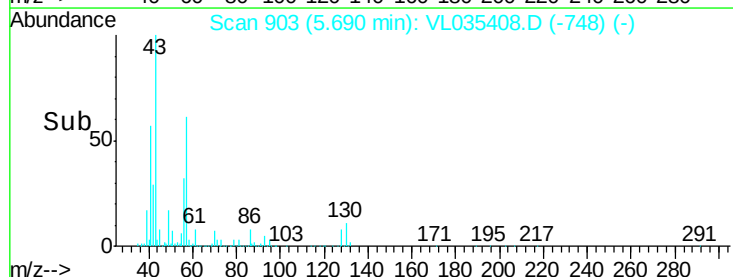
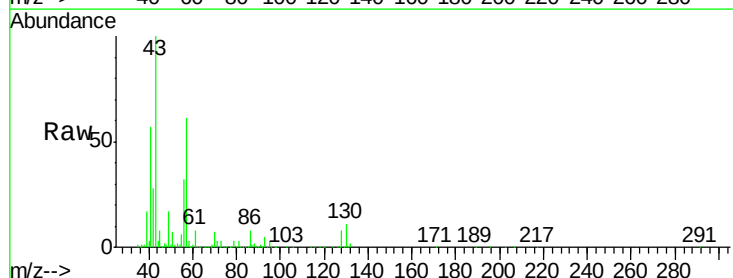
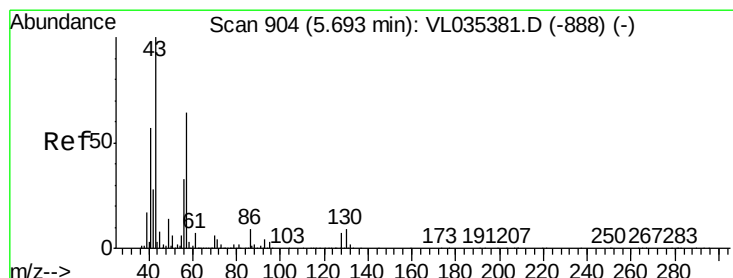
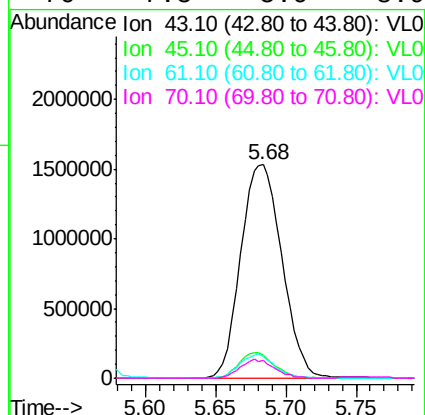
#25
Ethyl Acetate
Concen: 8.576 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.3	8.0	12.0	
61	9.5	7.4	11.2	
70	7.5	5.9	8.9	

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

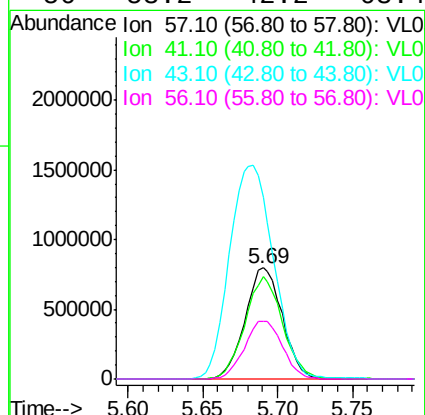
Manual Integrations
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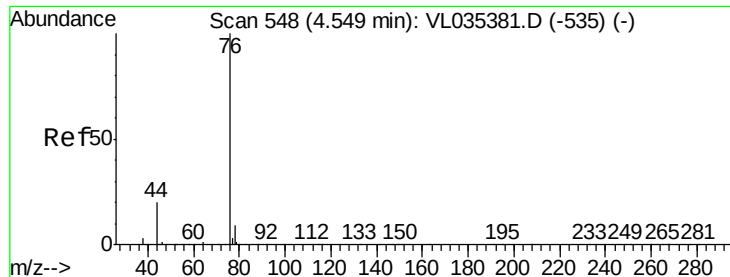
MMDadoda
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#26
Hexane
Concen: 8.629 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	94.0	75.4	113.2	
43	228.4	184.1	276.1	
56	53.2	42.2	63.4	





#27

Carbon Disulfide

Concen: 9.134 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1556051

Ion Ratio Lower Upper

76 100

44 20.8 17.0 25.4

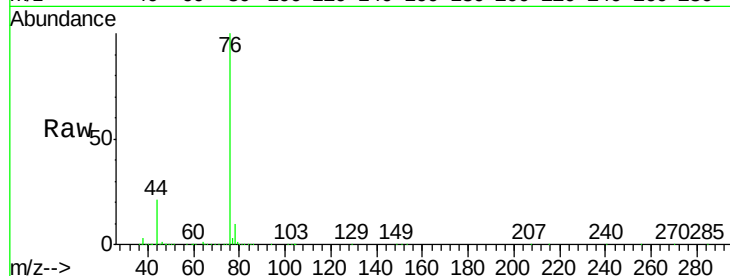
78 9.4 7.5 11.3

Manual Integrations

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MMDadoda

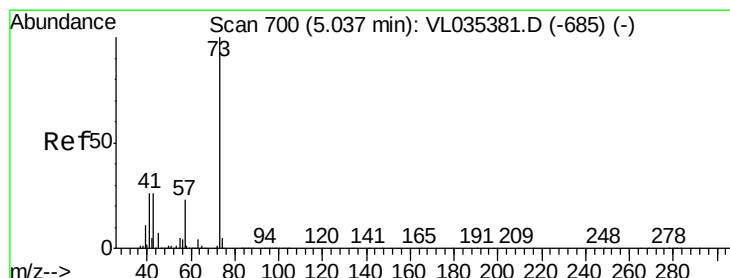
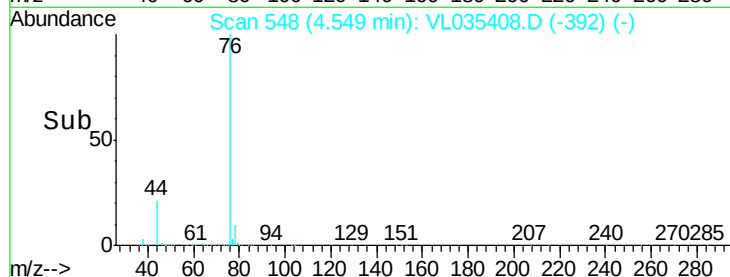
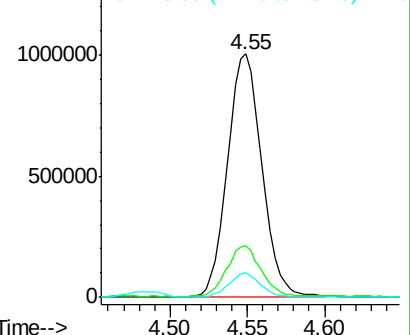
8/17/2020 9:11:00 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 8.652 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.00 min

Lab File: VL035408.D

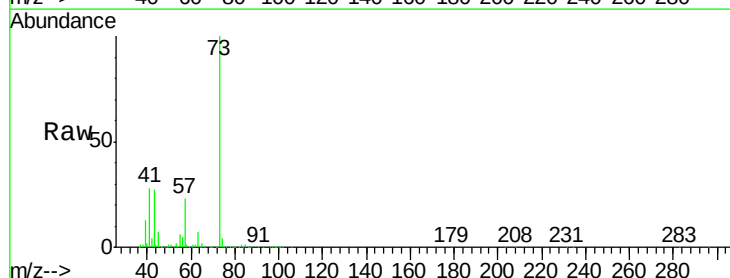
Acq: 13 Aug 2020 19:41

Tgt Ion: 73 Resp: 2279642

Ion Ratio Lower Upper

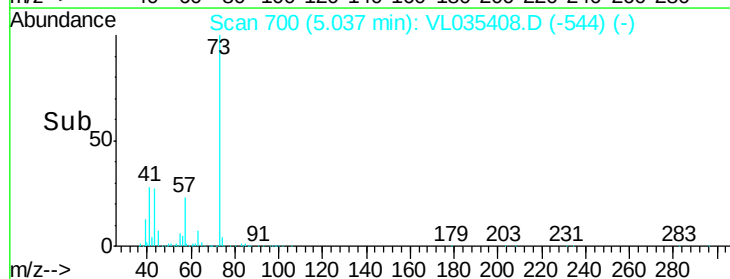
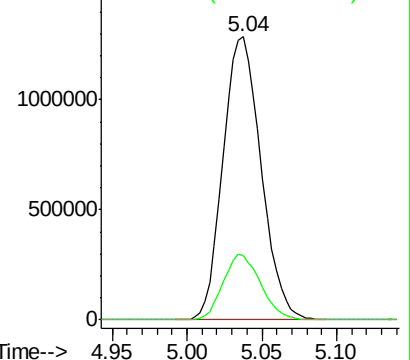
73 100

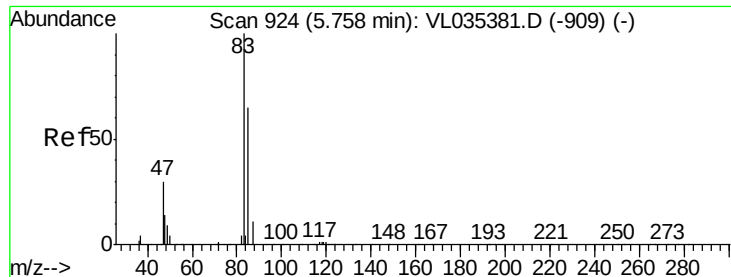
57 23.0 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





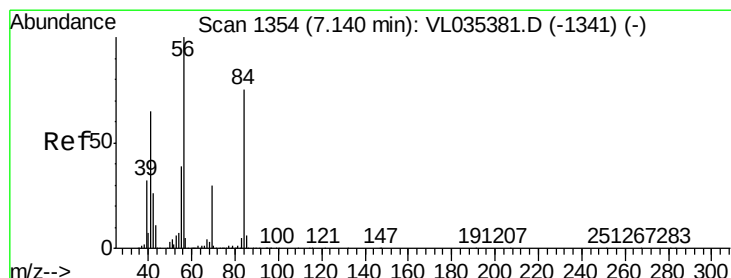
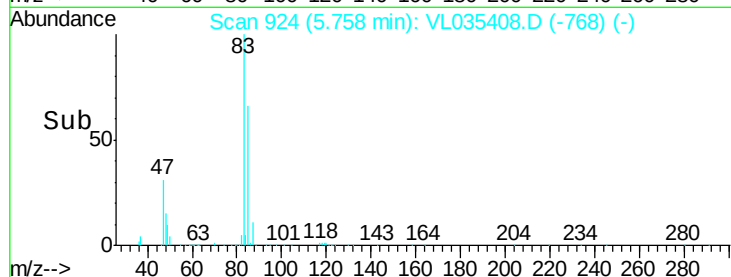
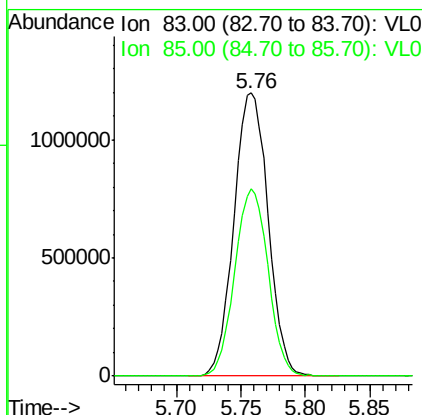
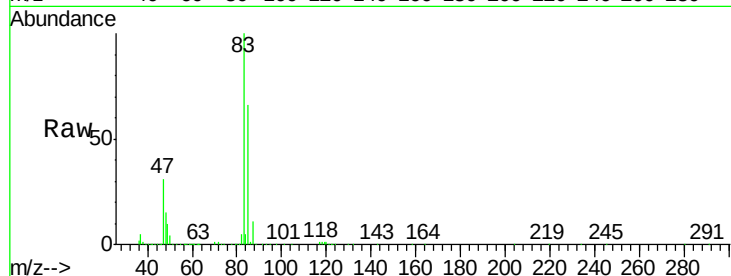
#29
Chloroform
Concen: 9.689 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2206470
Ion Ratio Lower Upper
83 100
85 66.3 51.7 77.5

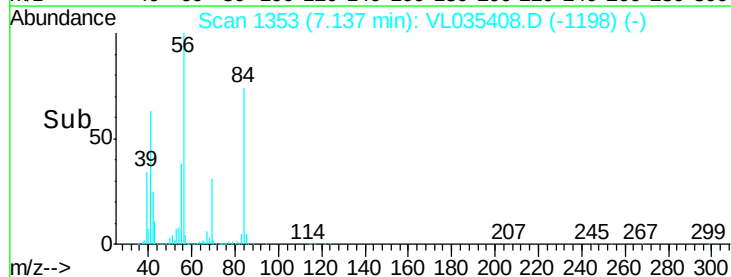
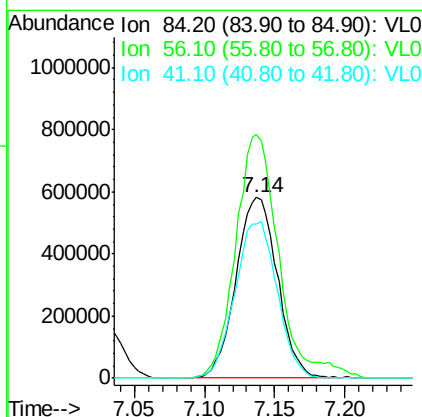
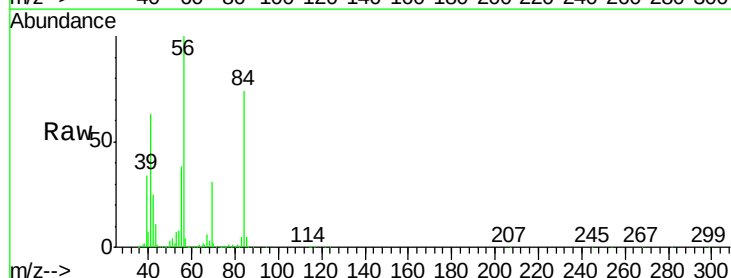
Manual Integrations
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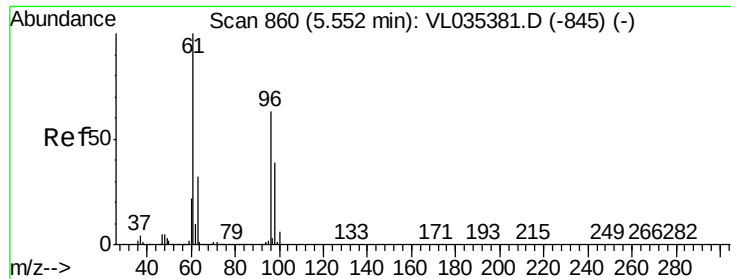
MMDadoda
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#30
Cyclohexane
Concen: 9.070 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 84 Resp: 1192886
Ion Ratio Lower Upper
84 100
56 141.0 115.8 173.6
41 88.2 71.4 107.0





#31

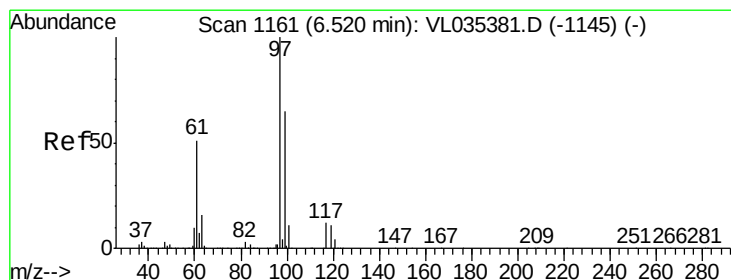
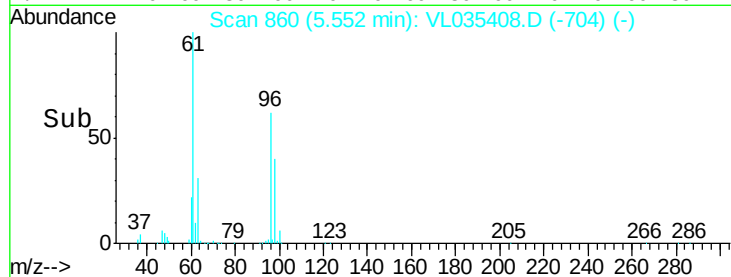
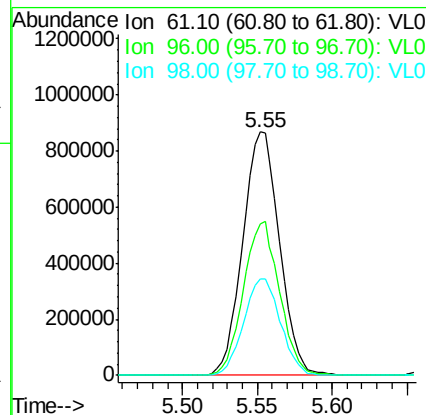
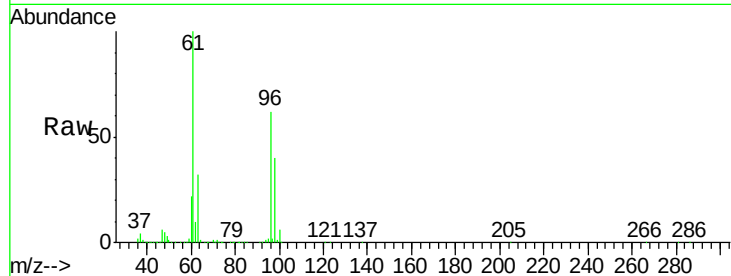
cis-1,2-Dichloroethene
Concen: 9.384 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.4	50.5	75.7
98	39.6	31.5	47.3

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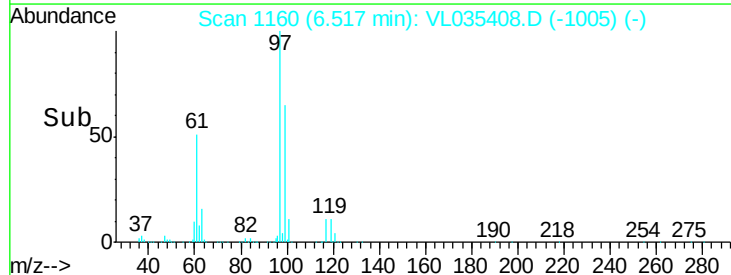
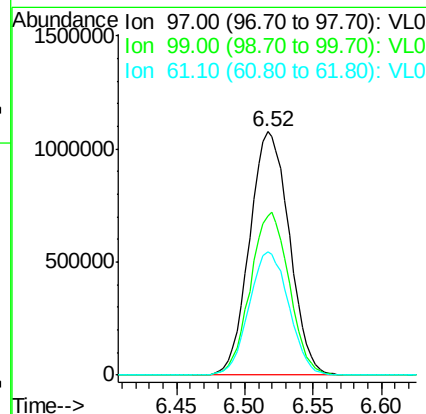
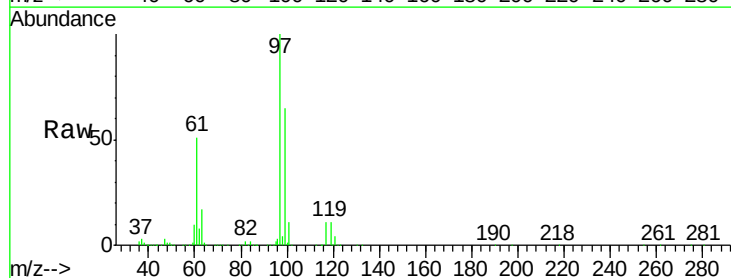
MMDadoda
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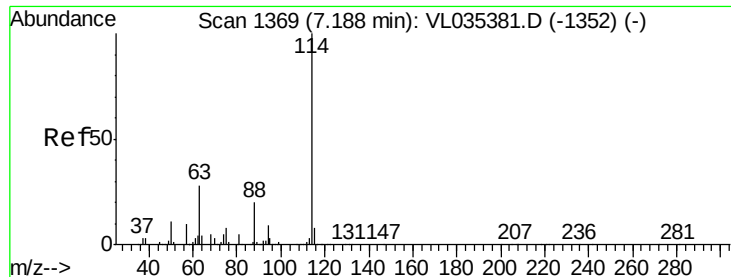


#32

1,1,1-Trichloroethane
Concen: 8.754 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.8	77.8
61	50.7	39.6	59.4





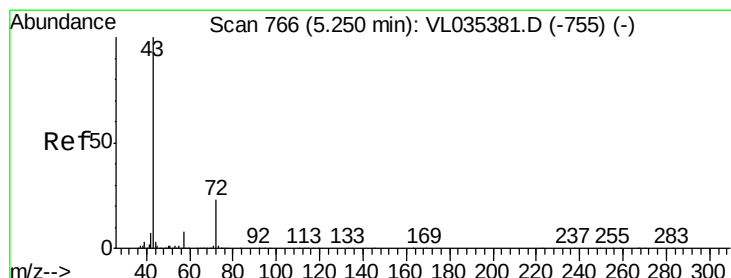
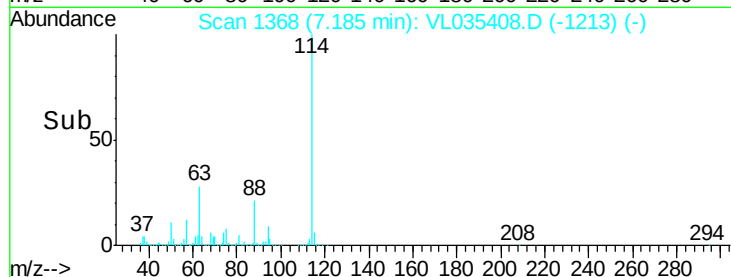
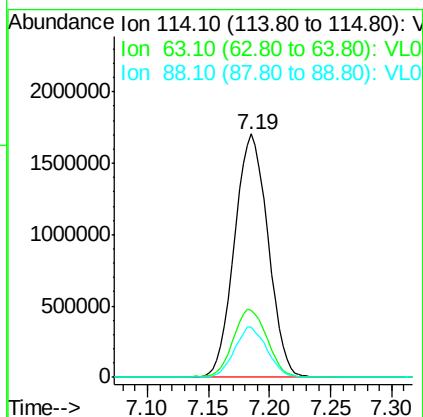
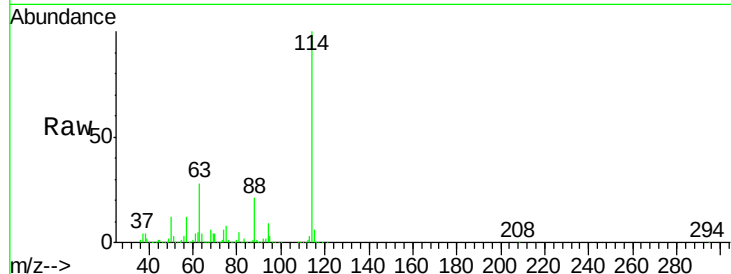
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	21.5	32.3
88	20.0	15.6	23.4

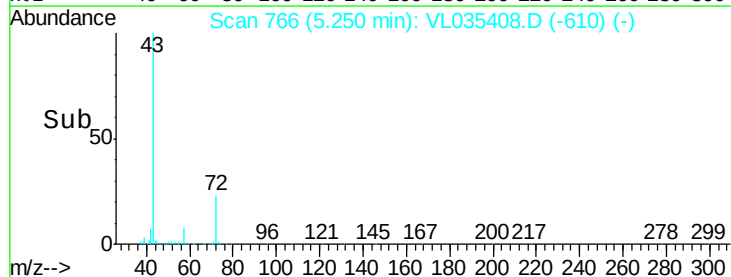
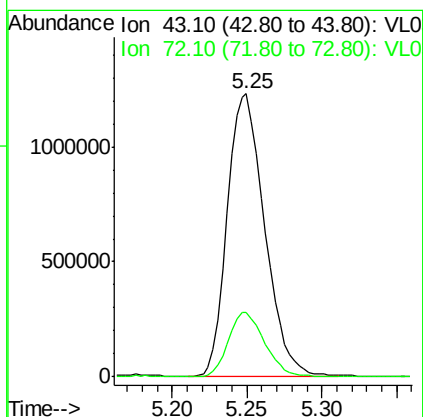
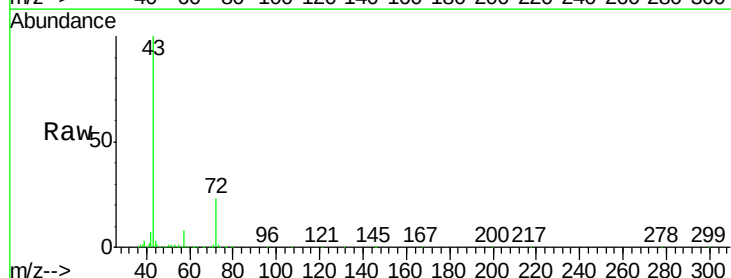
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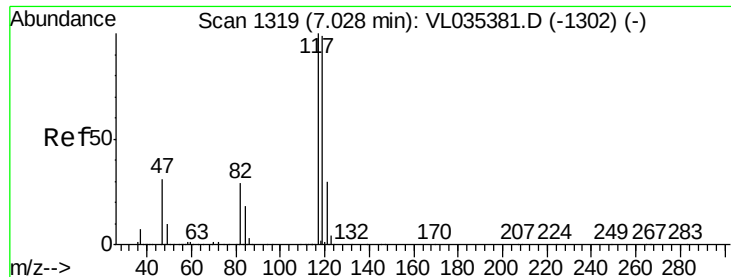
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#34
 2-Butanone
 Concen: 9.238 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.5	17.7	26.5





#35

Carbon Tetrachloride

Concen: 9.471 ppbv

RT: 7.02 min Scan# 1318

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2137573

Ion Ratio Lower Upper

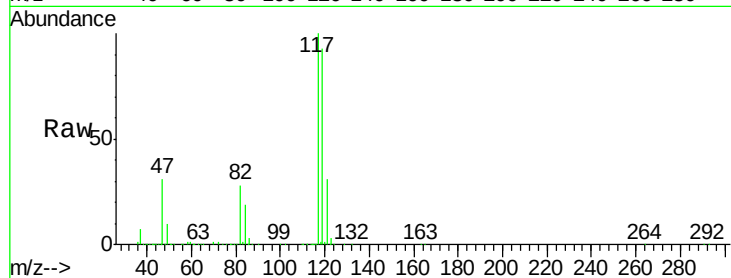
117 100

119 92.9 79.4 119.0

121 31.1 24.3 36.5

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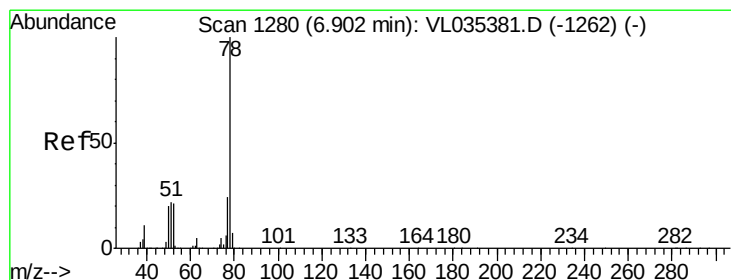
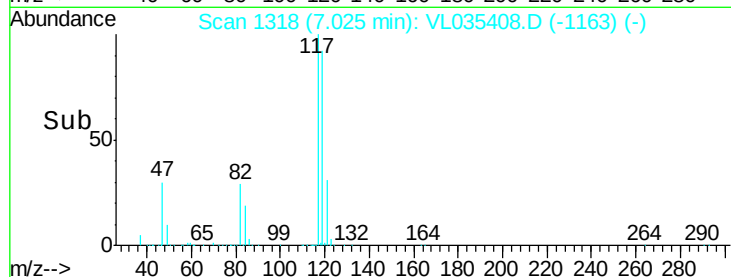
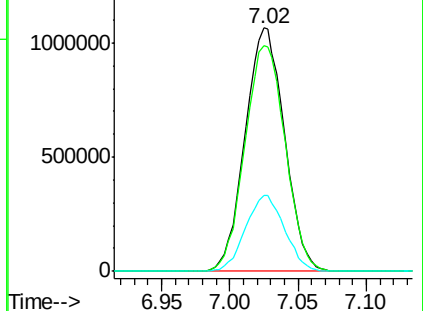
MMDadoda
8/17/2020 9:11:00 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.167 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

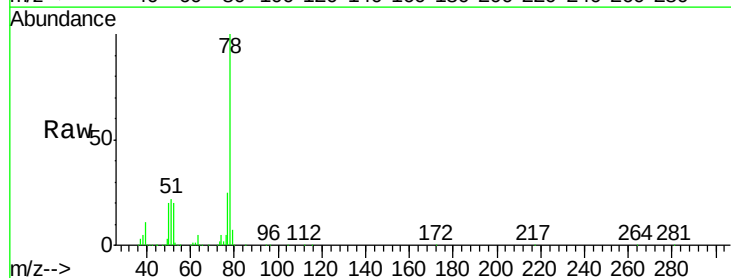
Tgt Ion: 78 Resp: 2854017

Ion Ratio Lower Upper

78 100

77 24.7 19.1 28.7

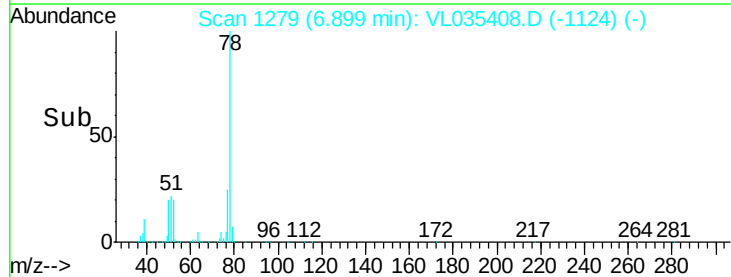
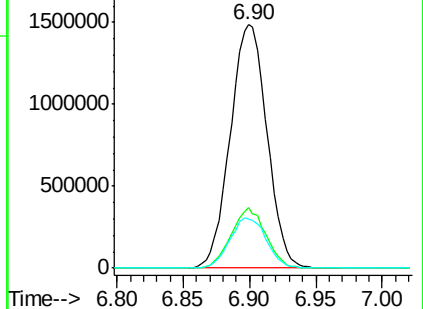
50 20.3 15.8 23.6

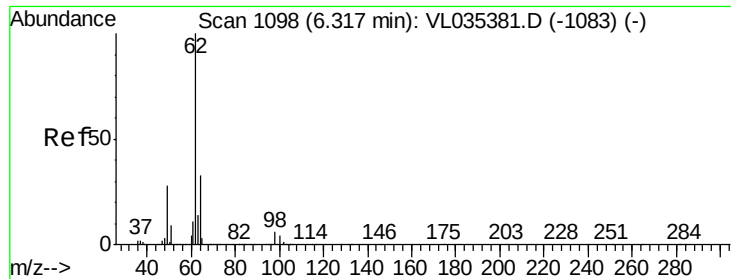


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#37

1,2-Dichloroethane

Concen: 10.067 ppbv

RT: 6.31 min Scan# 1097

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1739721

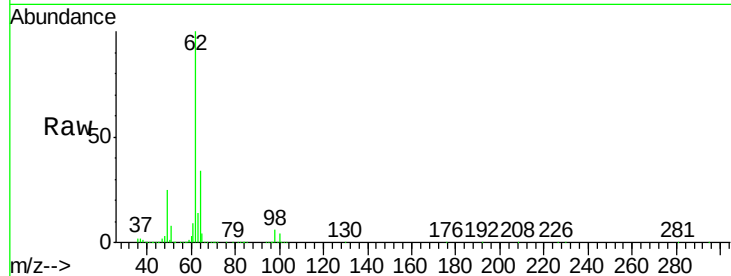
Ion Ratio Lower Upper

62 100

98 5.8 5.1 7.7

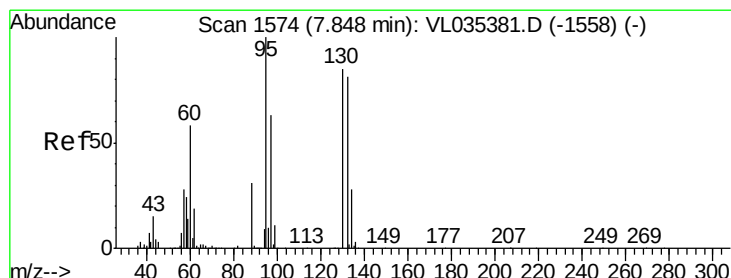
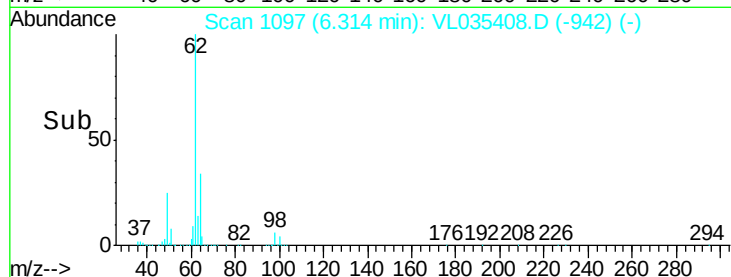
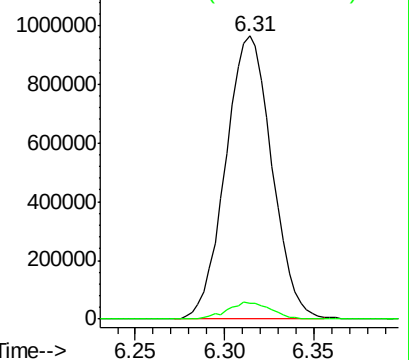
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#38

Trichloroethene

Concen: 8.210 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion: 130 Resp: 1001727

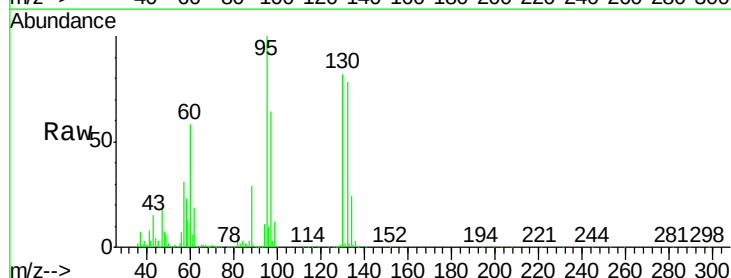
Ion Ratio Lower Upper

130 100

95 121.3 94.2 141.4

132 95.0 76.6 114.8

97 78.0 59.3 88.9

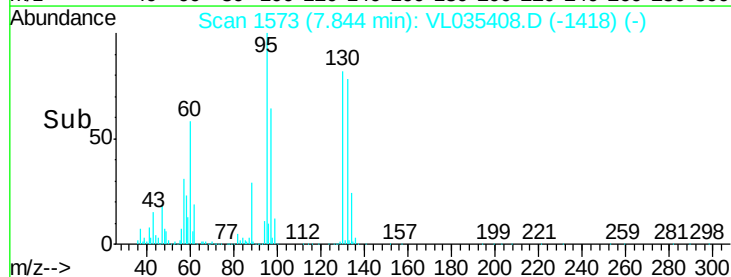
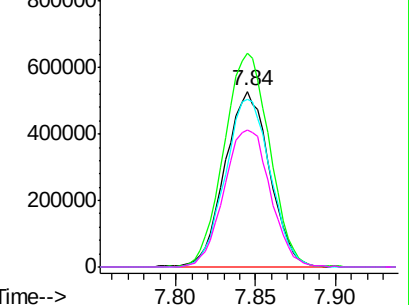


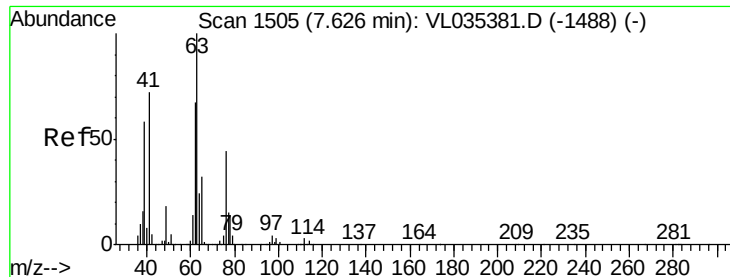
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#39

1,2-Dichloropropane

Concen: 9.438 ppbv

RT: 7.62 min Scan# 1504

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1163566

Ion Ratio Lower Upper

63 100

41 78.0 57.4 86.2

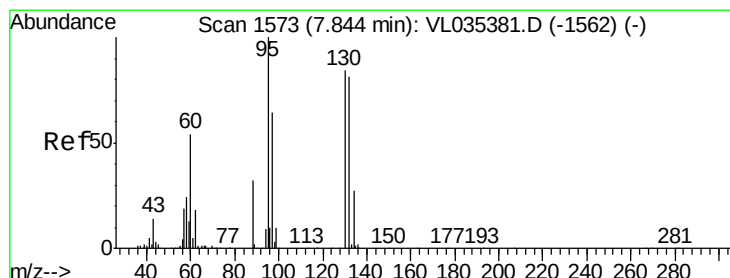
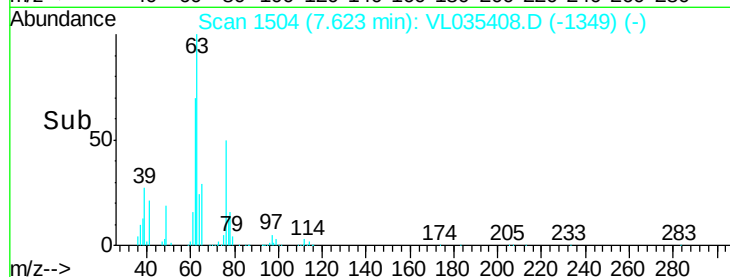
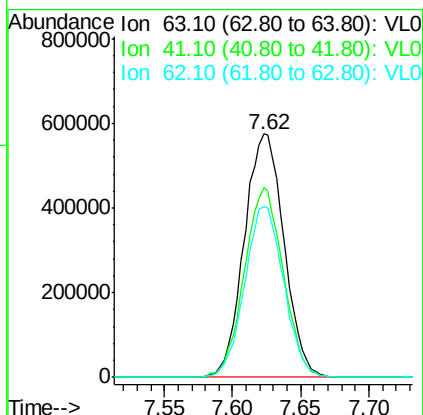
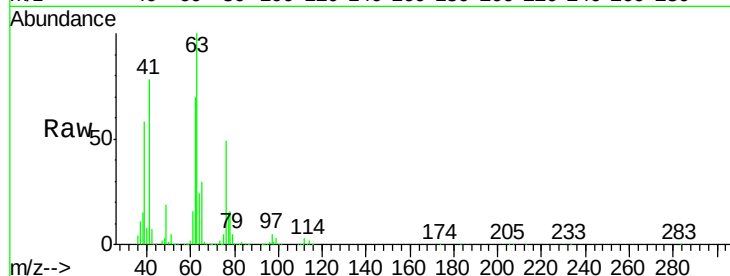
62 70.2 53.6 80.4

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#40

1,4-Dioxane

Concen: 9.052 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion: 88 Resp: 454512

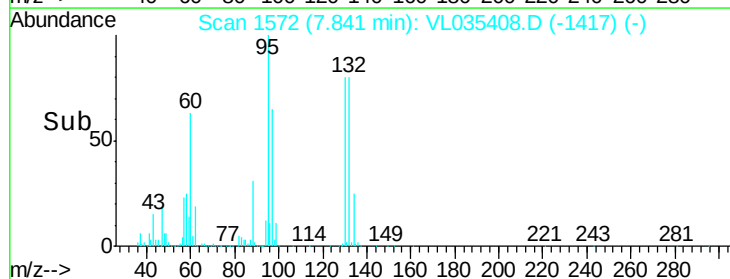
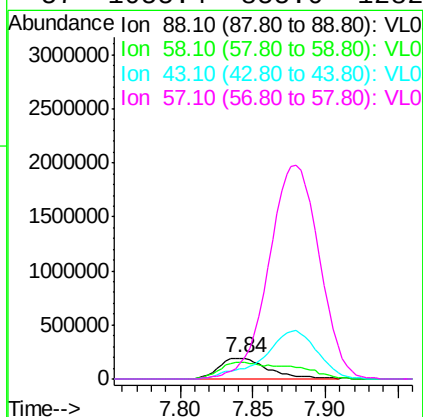
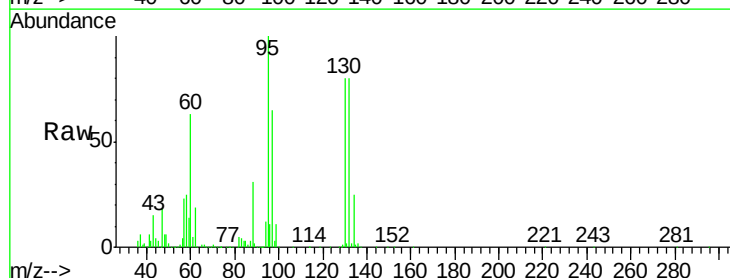
Ion Ratio Lower Upper

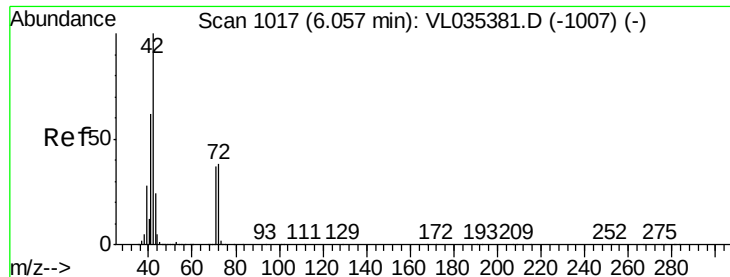
88 100

58 127.7 105.0 157.6

43 256.4 204.2 306.2

57 1055.4 855.0 1282.4





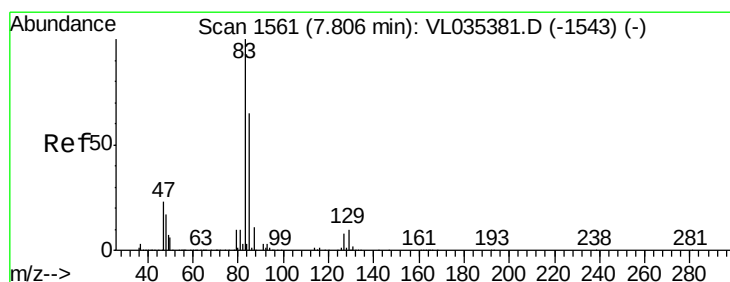
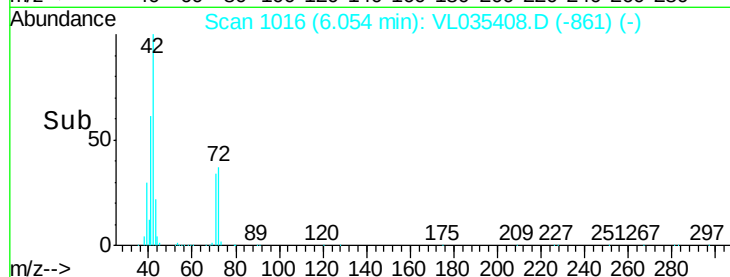
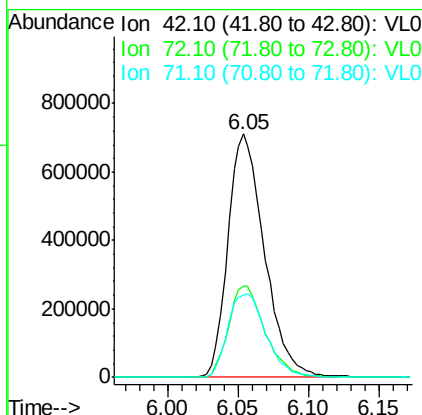
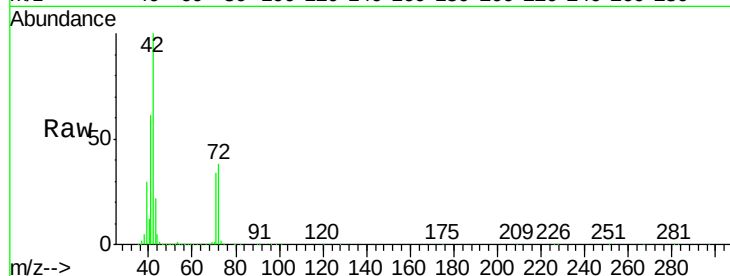
#41
Tetrahydrofuran
Concen: 9.322 ppbv
RT: 6.05 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.2	45.2
71	36.3	28.6	42.8

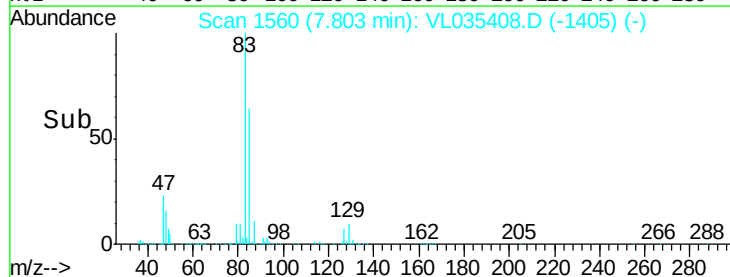
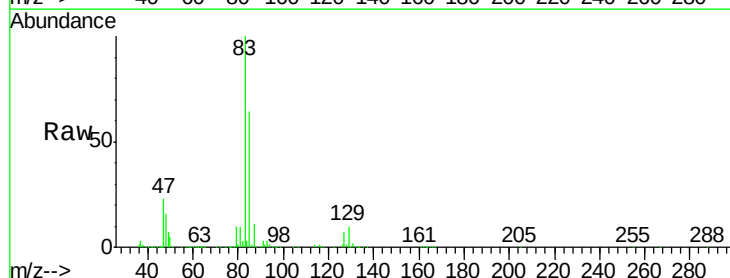
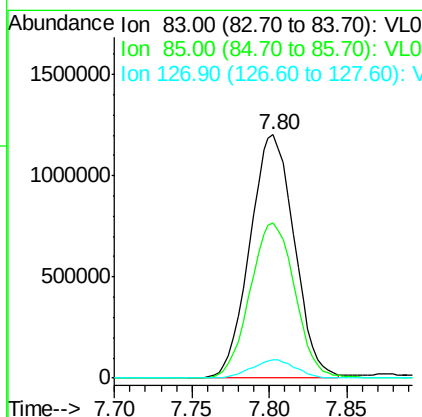
Manual Integrations
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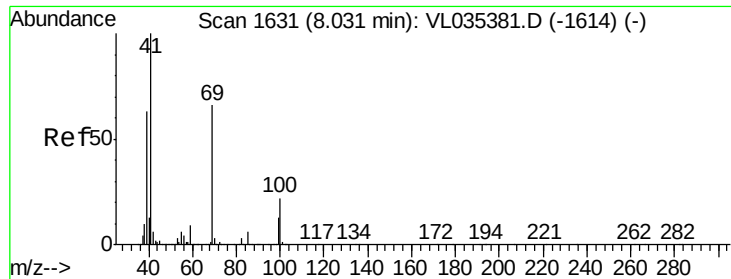
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#42
Bromodichloromethane
Concen: 9.856 ppbv
RT: 7.80 min Scan# 1560
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.2	78.4
127	7.4	6.3	9.5





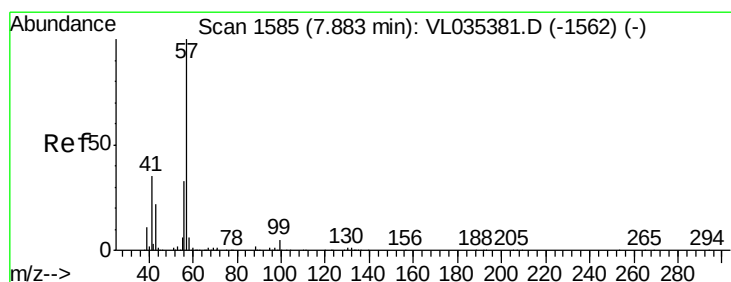
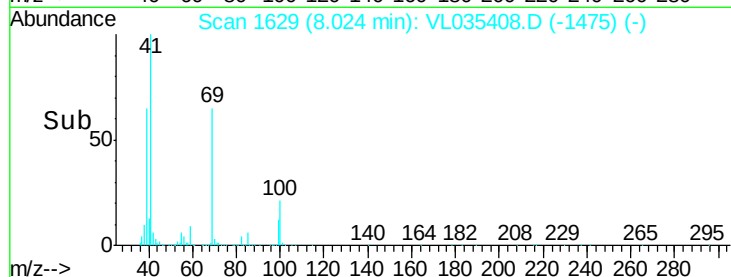
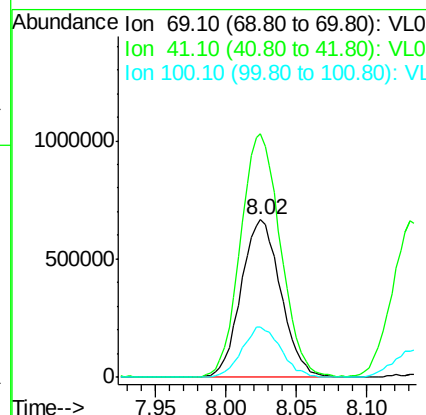
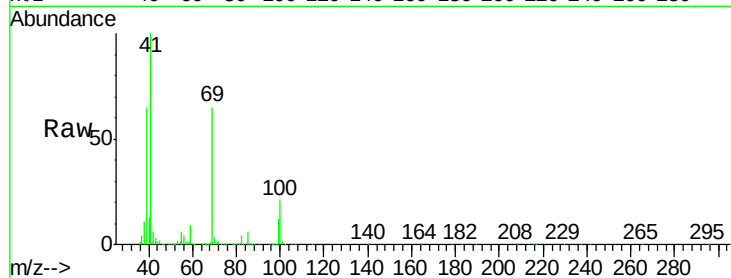
#43
Methvl Methacrylate
Concen: 9.495 ppbv
RT: 8.02 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1311465
Ion Ratio Lower Upper
69 100
41 155.6 123.4 185.2
100 31.5 26.7 40.1

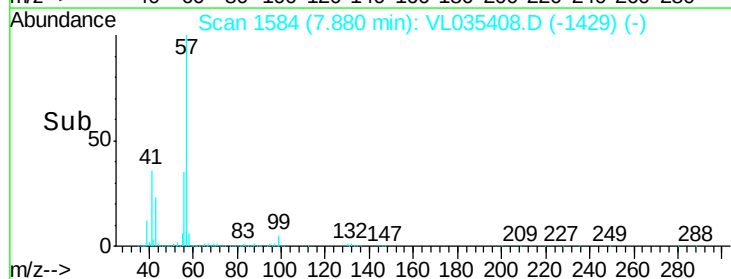
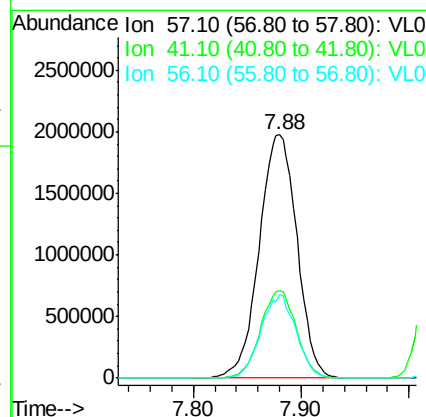
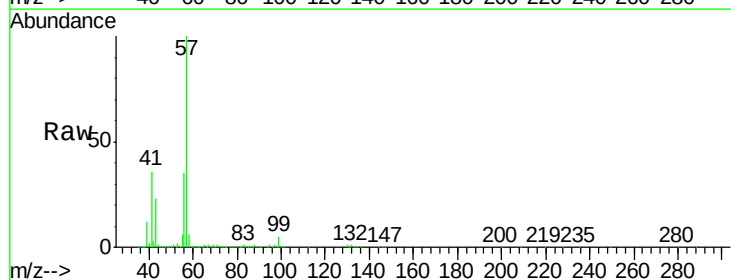
Manual Integrations
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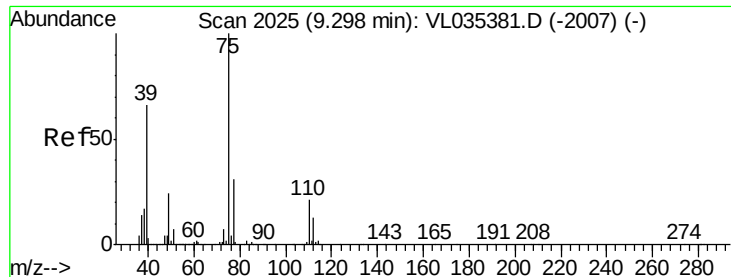
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 8.948 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 57 Resp: 4792104
Ion Ratio Lower Upper
57 100
41 34.1 26.9 40.3
56 31.9 25.6 38.4





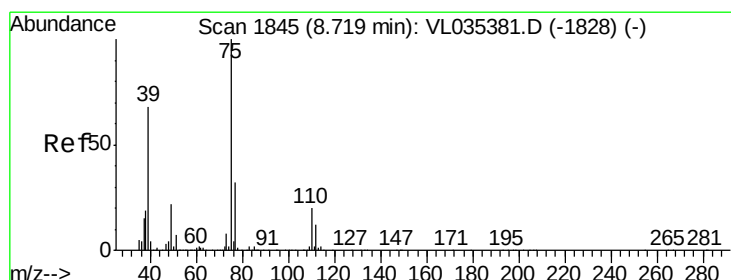
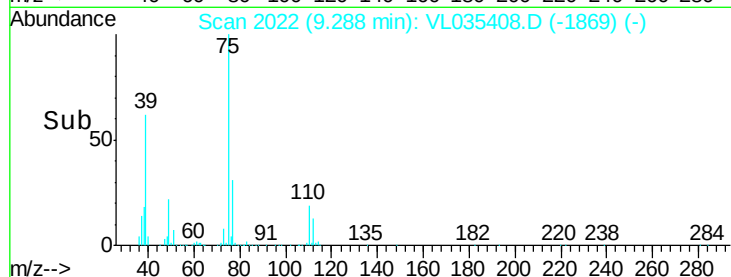
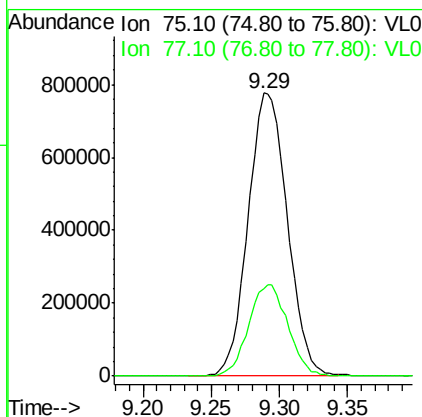
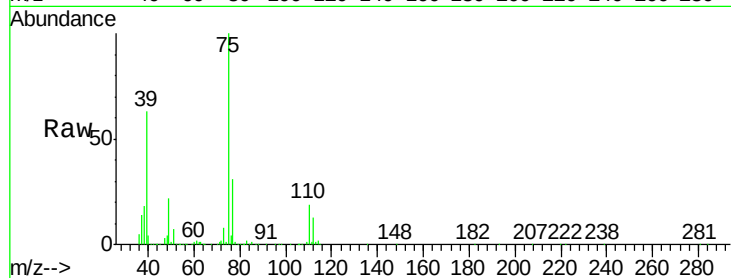
#45
t-1,3-Dichloropropene
Concen: 9.675 ppbv
RT: 9.29 min Scan# 2022
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1550537
Ion Ratio Lower Upper
75 100
77 30.7 25.2 37.8

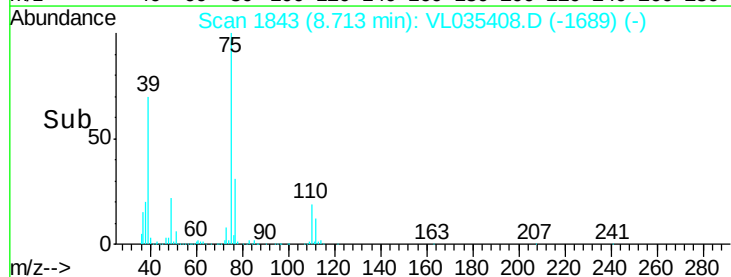
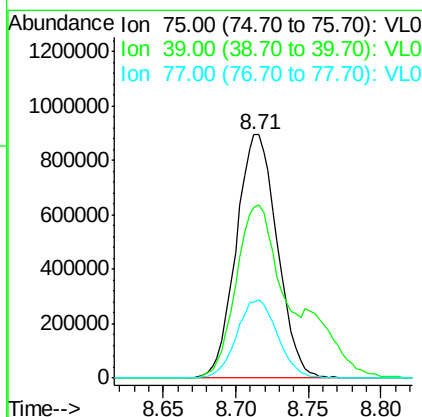
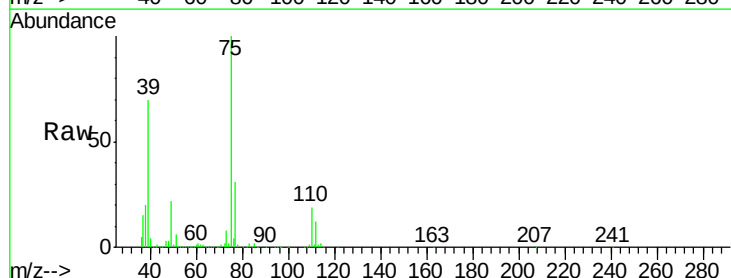
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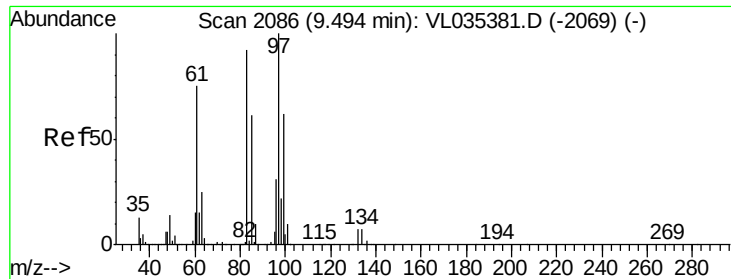
MMDadoda
8/17/2020 9:11:00 PM



#46
cis-1,3-Dichloropropene
Concen: 9.385 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 75 Resp: 1756574
Ion Ratio Lower Upper
75 100
39 70.1 54.2 81.2
77 31.4 25.7 38.5





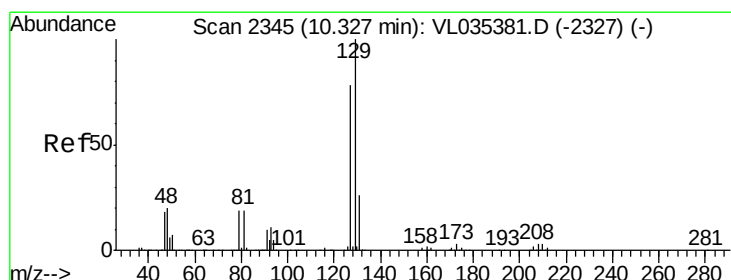
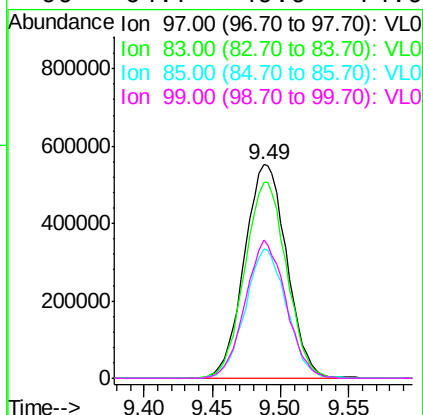
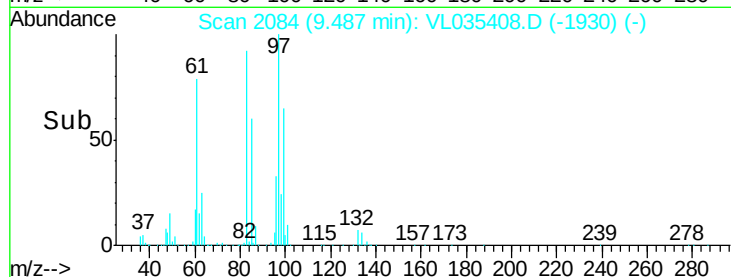
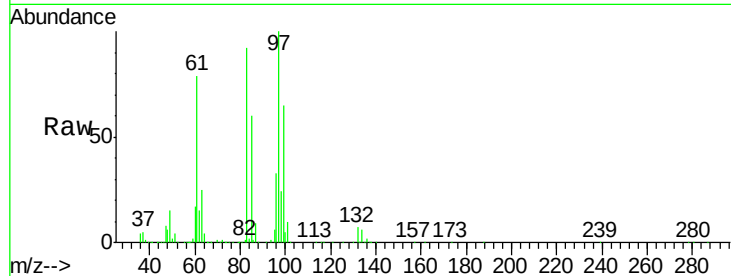
#47
 1,1,2-Trichloroethane
 Concen: 9.508 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.4	73.9	110.9	
85	60.4	49.0	73.6	
99	64.7	49.9	74.9	

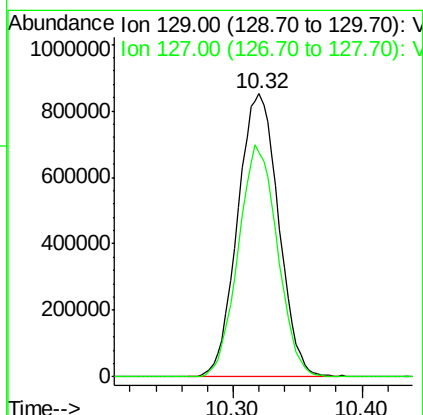
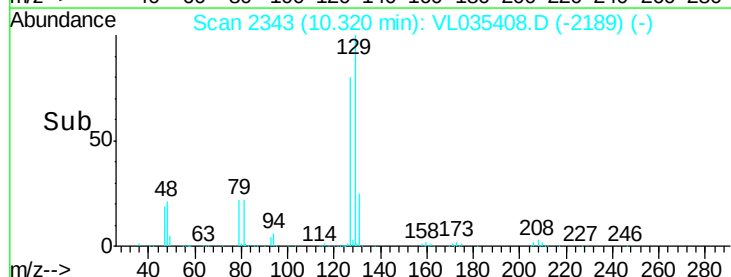
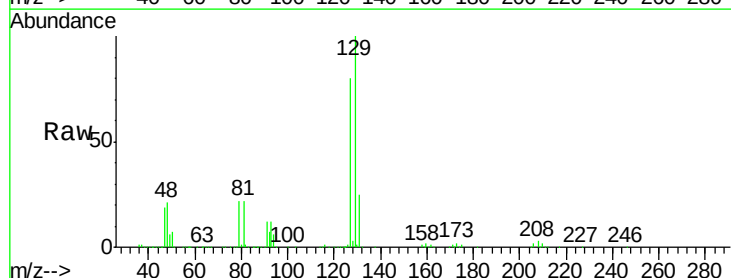
Manual Integrations
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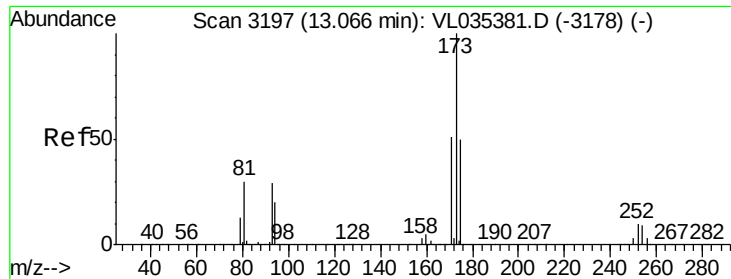
MMDadoda
 8/17/2020 9:11:00 PM



#48
 Dibromochloromethane
 Concen: 9.394 ppbv
 RT: 10.32 min Scan# 2343
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.9	39.3	117.8	





#49

Bromoform

Concen: 9.507 ppbv

RT: 13.06 min Scan# 3195

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1557668

Ion Ratio Lower Upper

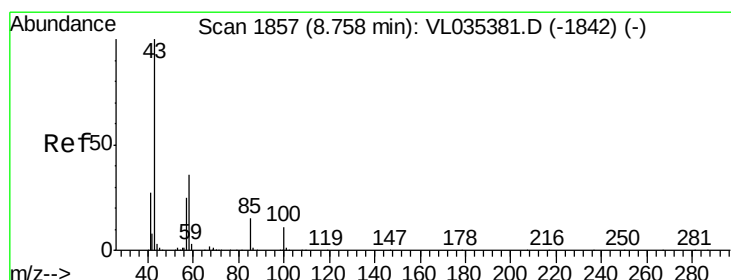
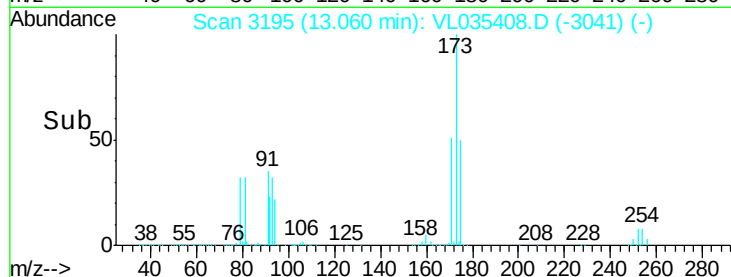
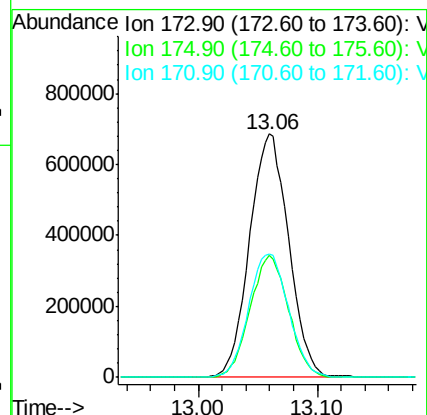
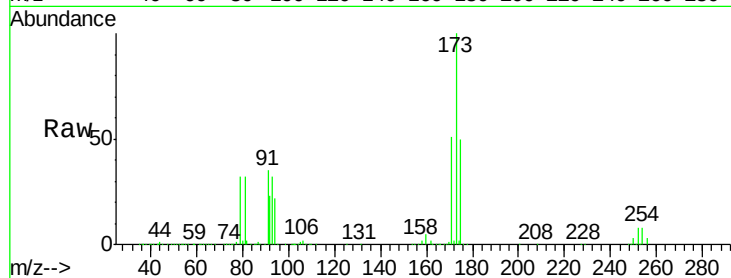
173 100

175 49.3 39.9 59.9

171 51.9 41.8 62.8

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 9.076 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. -0.01 min

Lab File: VL035408.D

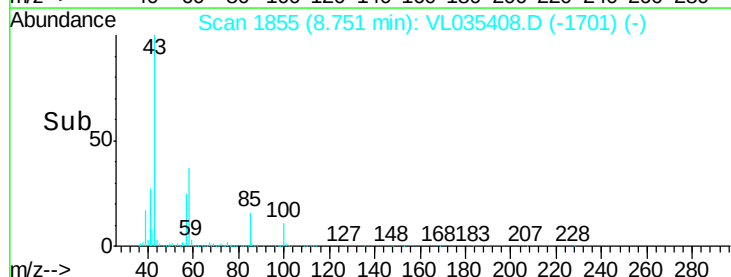
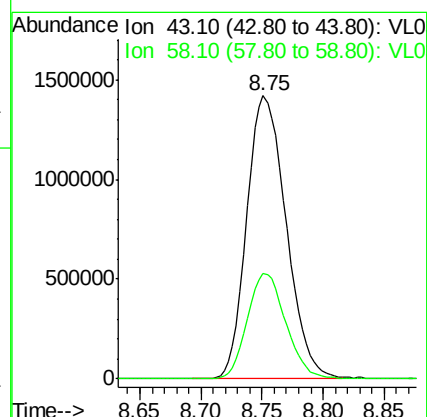
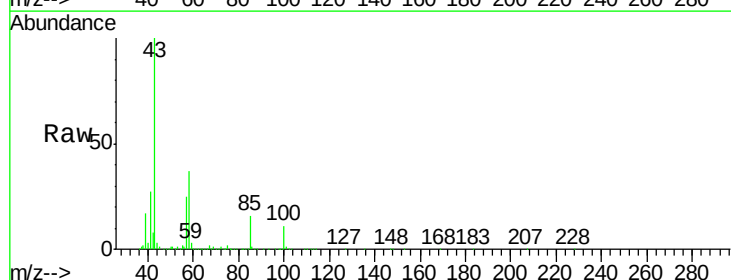
Acq: 13 Aug 2020 19:41

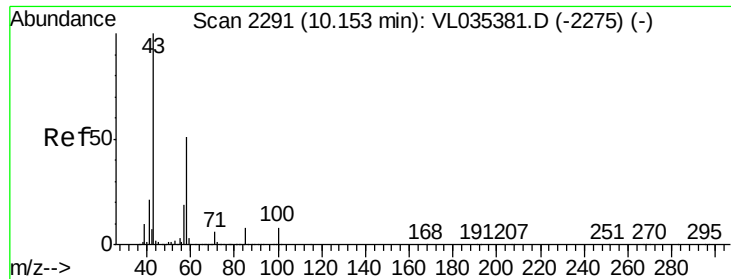
Tgt Ion: 43 Resp: 3164899

Ion Ratio Lower Upper

43 100

58 36.5 29.0 43.6





#51

2-Hexanone

Concen: 9.333 ppbv

RT: 10.15 min Scan# 2289

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2739926

Ion Ratio Lower Upper

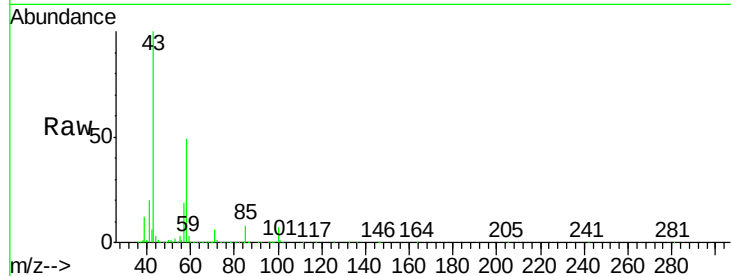
43 100

58 48.5 39.5 59.3

98 0.2 0.1 0.1#

Manual Integrations
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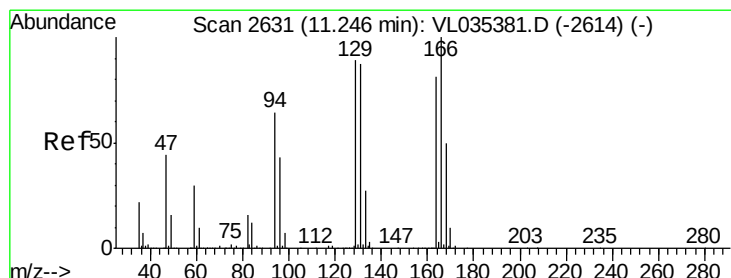
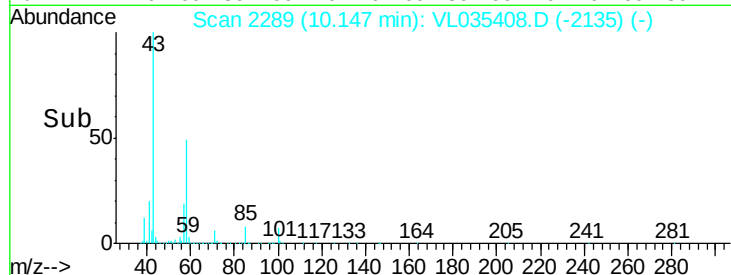
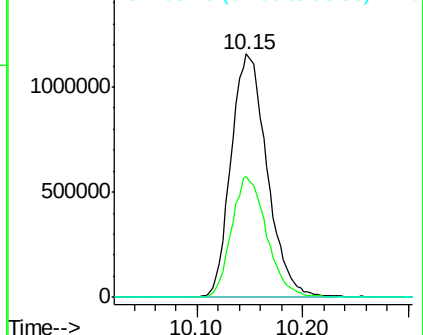


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 8.216 ppbv

RT: 11.24 min Scan# 2628

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Tgt Ion: 164 Resp: 907089

Ion Ratio Lower Upper

164 100

166 124.6 98.2 147.2

129 109.6 87.3 130.9

131 104.9 85.7 128.5

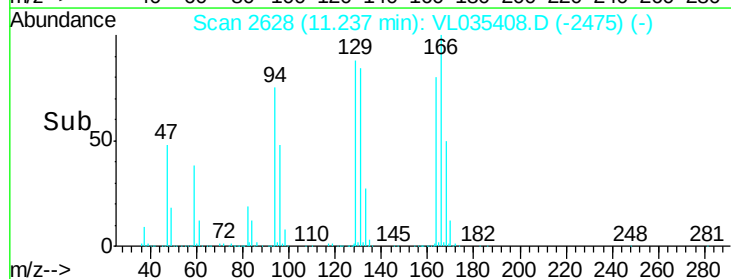
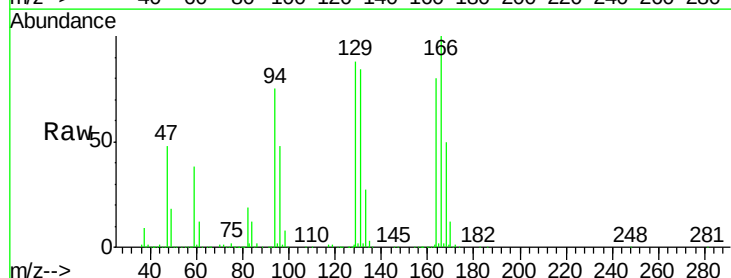
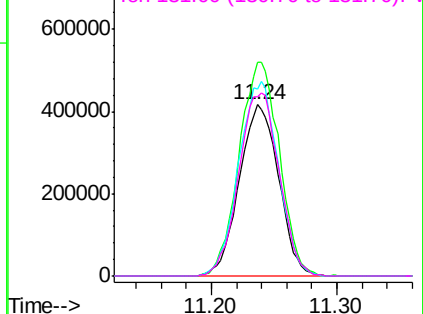
Abundance

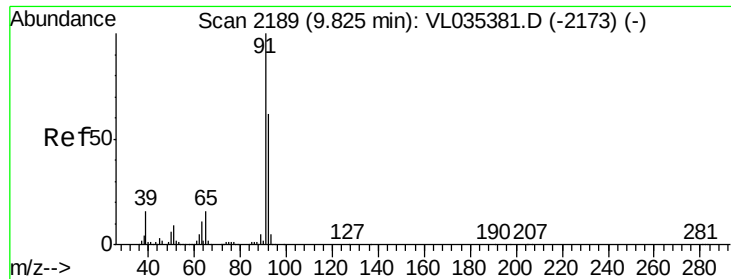
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.003 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3327266

Ion Ratio Lower Upper

91 100

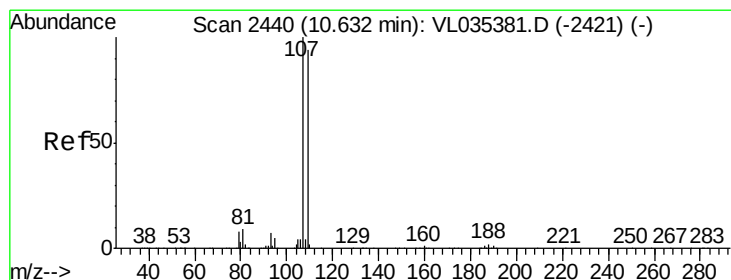
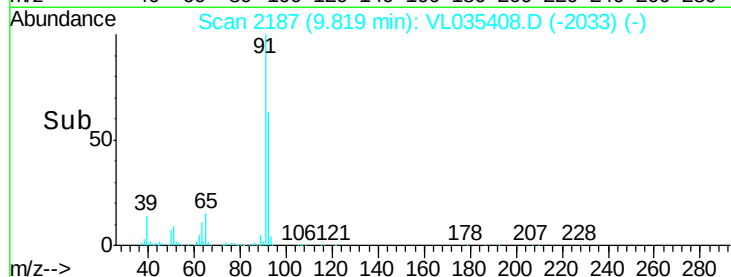
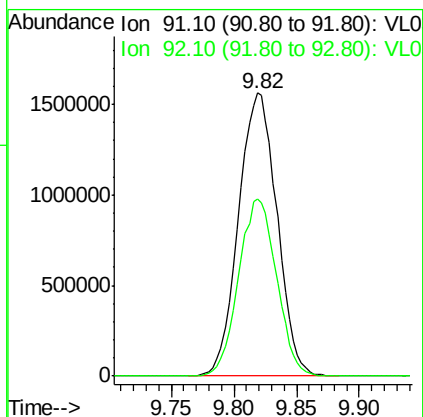
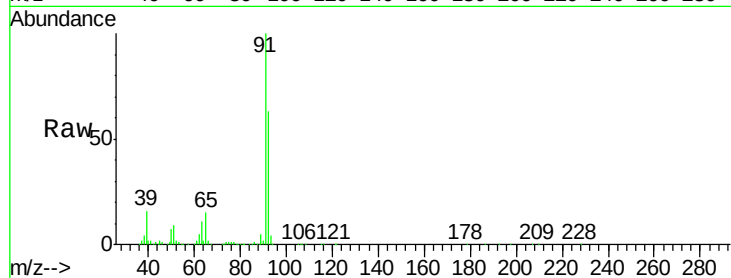
92 61.8 49.1 73.7

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#54

1,2-Dibromoethane

Concen: 9.222 ppbv

RT: 10.63 min Scan# 2438

Delta R.T. -0.01 min

Lab File: VL035408.D

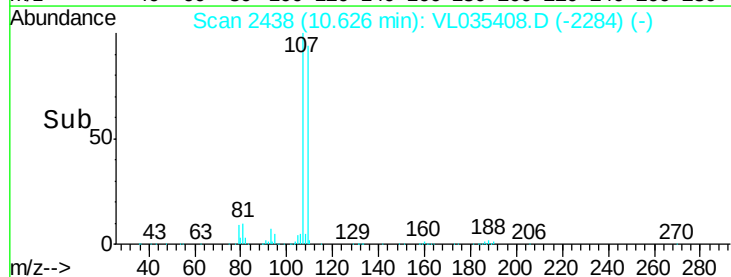
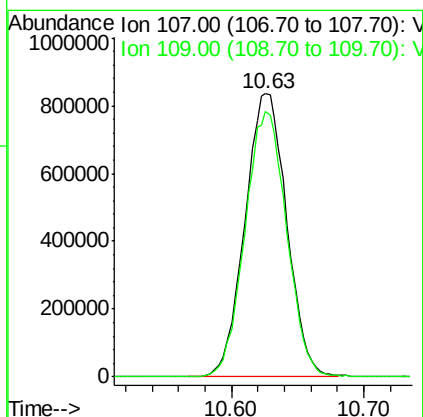
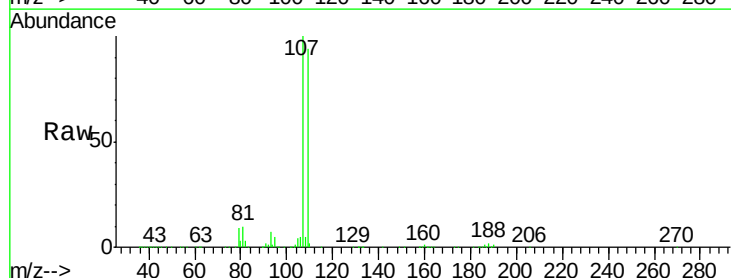
Acq: 13 Aug 2020 19:41

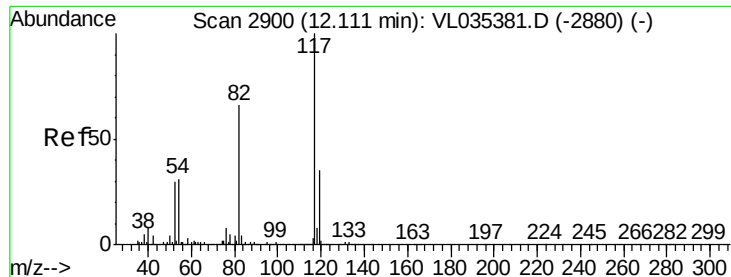
Tgt Ion: 107 Resp: 1826146

Ion Ratio Lower Upper

107 100

109 93.7 75.2 112.8





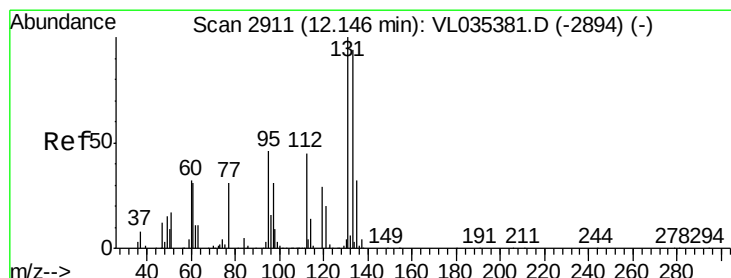
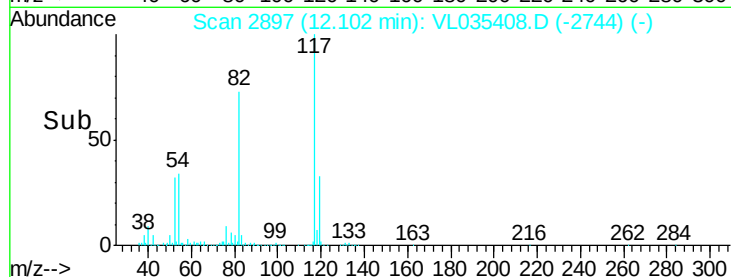
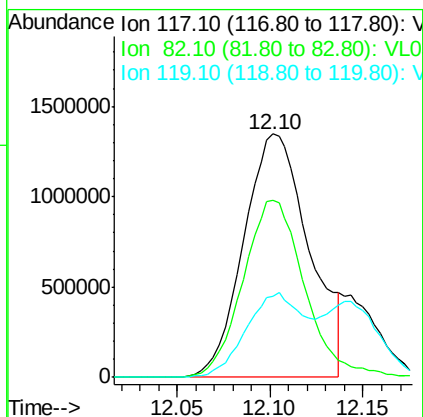
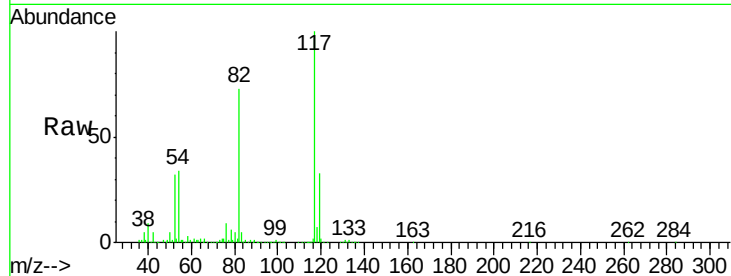
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.4	53.0	79.6
119	33.1	25.7	38.5

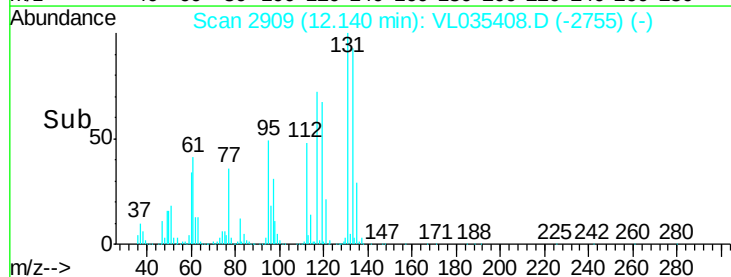
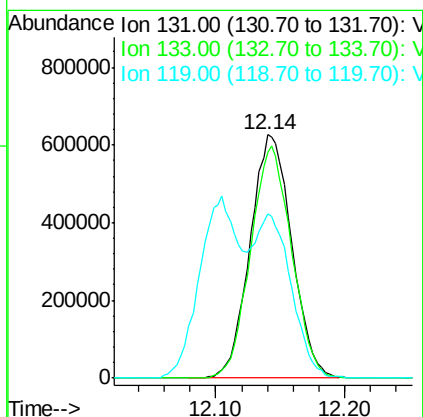
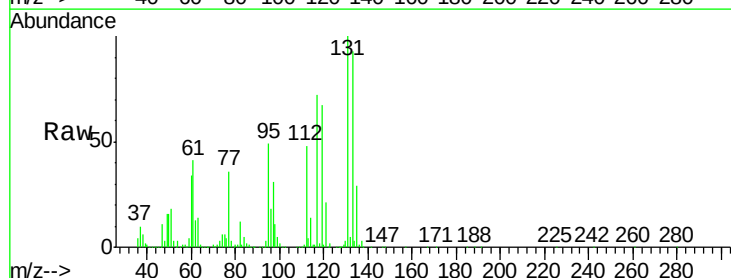
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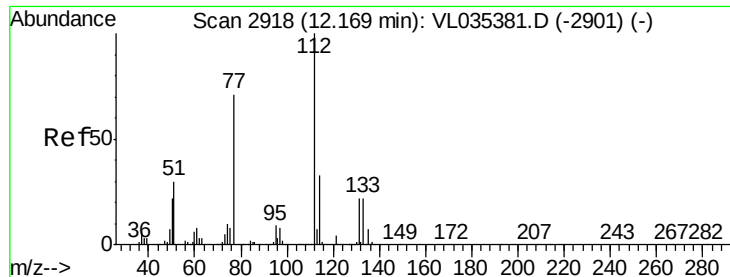
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.736 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	76.1	114.1
119	65.8	47.0	70.4





#57

Chlorobenzene

Concen: 8.421 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 2383382

Ion Ratio Lower Upper

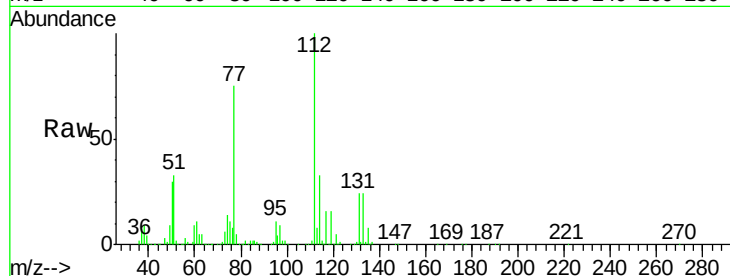
112 100

77 74.6 57.6 86.4

114 33.3 30.0 36.6

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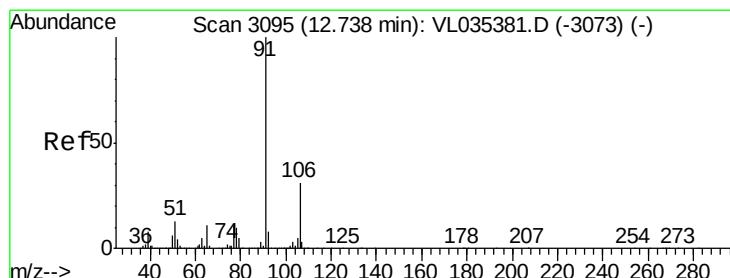
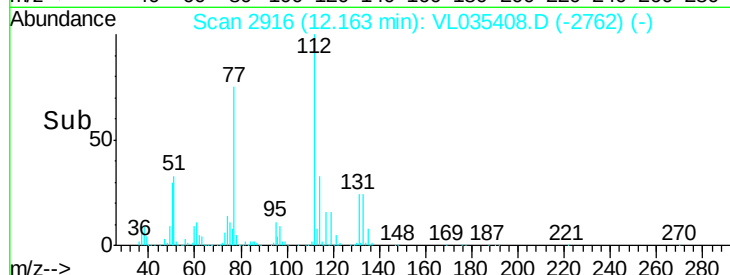
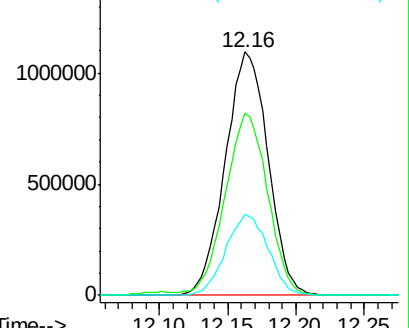
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.637 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.01 min

Lab File: VL035408.D

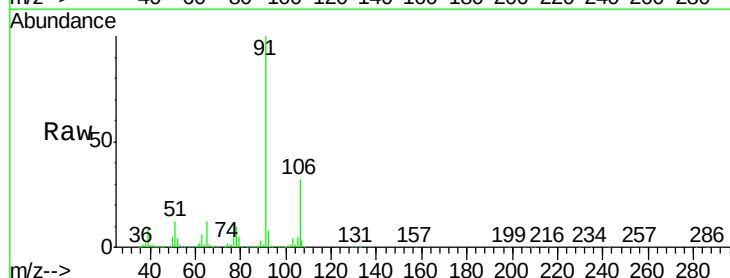
Acq: 13 Aug 2020 19:41

Tgt Ion: 91 Resp: 4532060

Ion Ratio Lower Upper

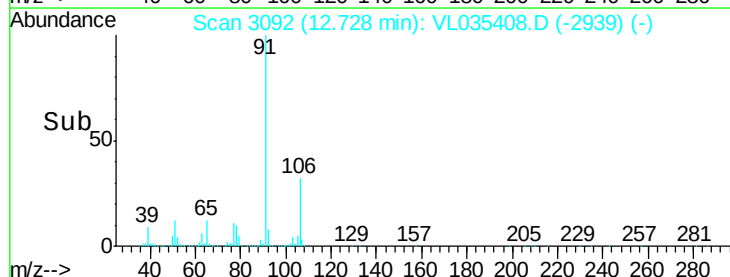
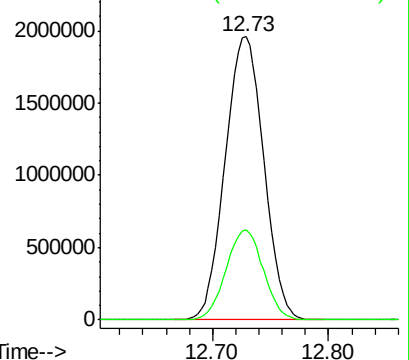
91 100

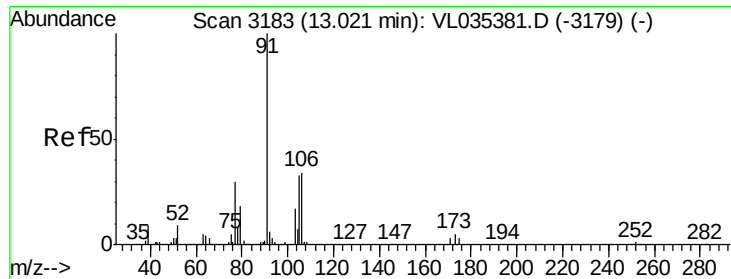
106 32.0 25.1 37.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





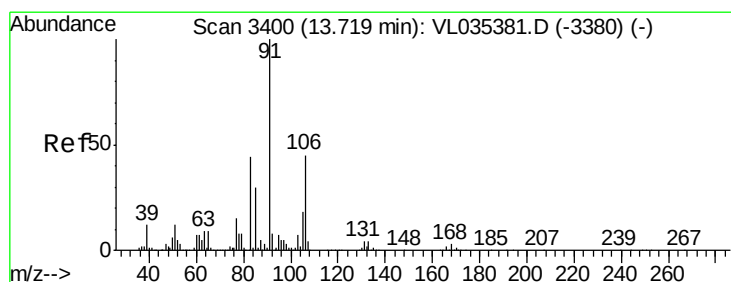
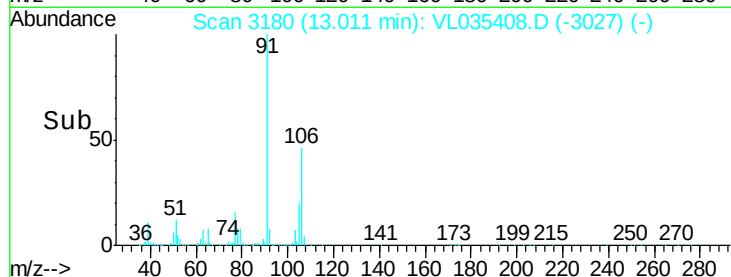
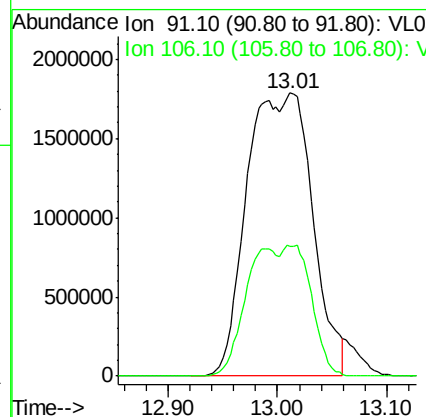
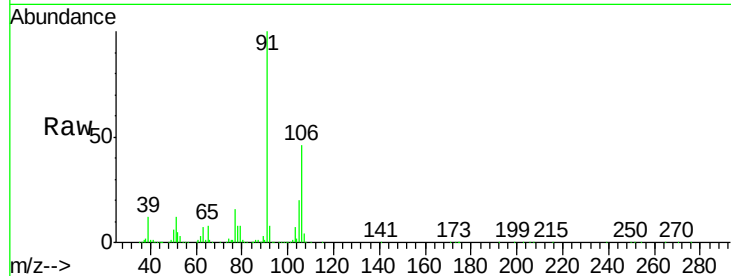
#59
m/p-Xylene
Concen: 17.048 ppbv m
RT: 13.01 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7459709
Ion Ratio Lower Upper
91 100
106 44.5 36.7 55.1

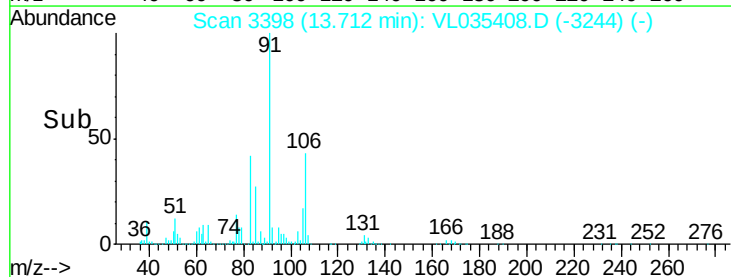
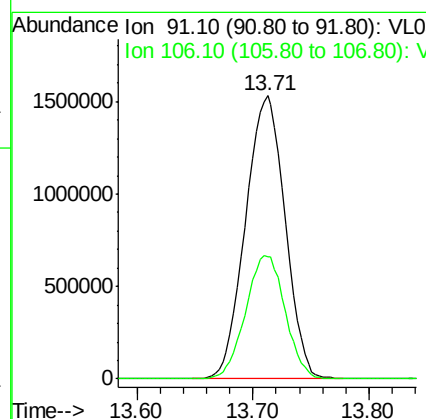
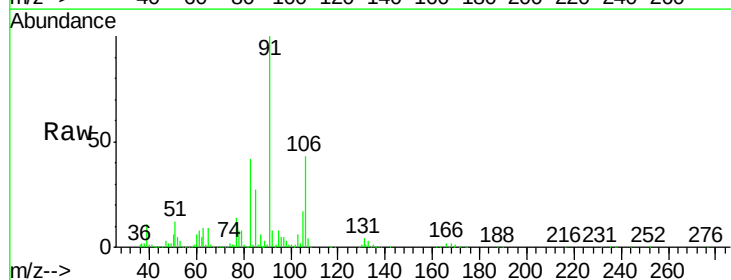
Manual Integrations
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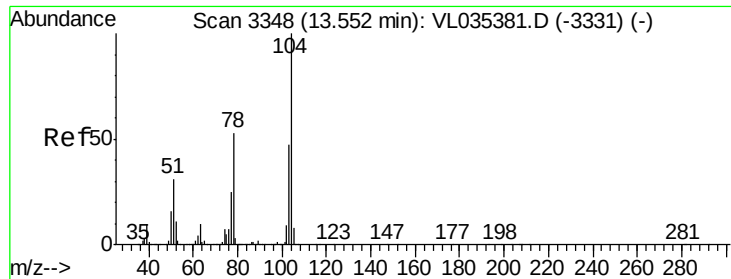
MMDadoda
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#60
o-Xylene
Concen: 8.581 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 91 Resp: 3635856
Ion Ratio Lower Upper
91 100
106 43.6 22.2 66.6





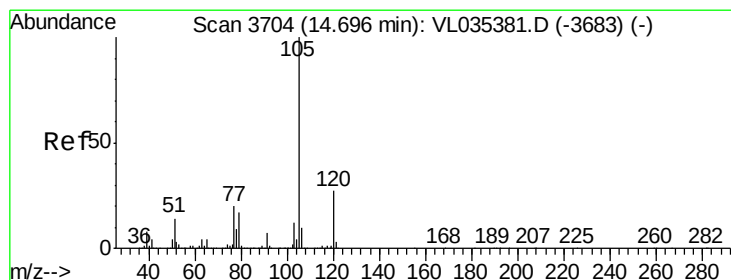
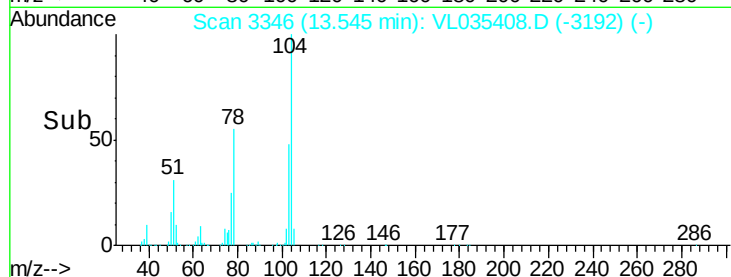
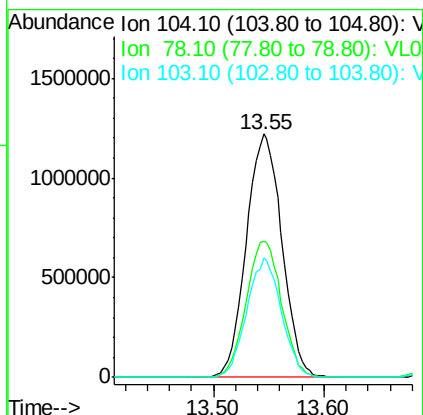
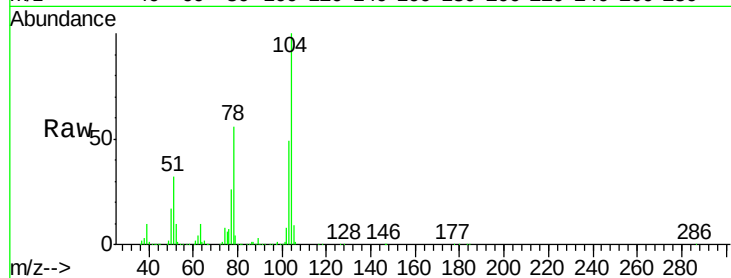
#61
Stvrene
Concen: 8.714 ppbv
RT: 13.55 min Scan# 3346
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.8	43.0	64.4
103	47.6	37.9	56.9

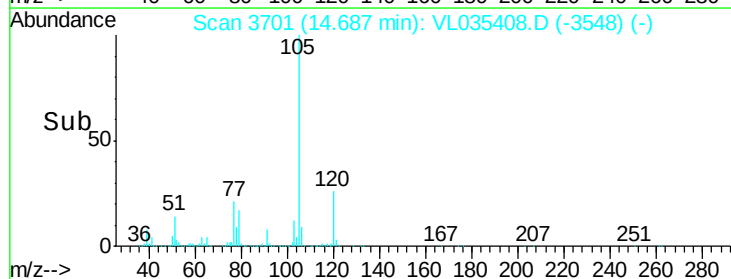
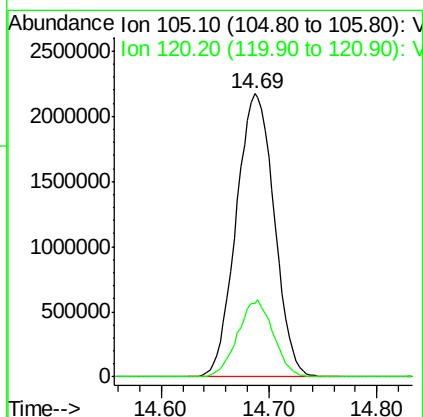
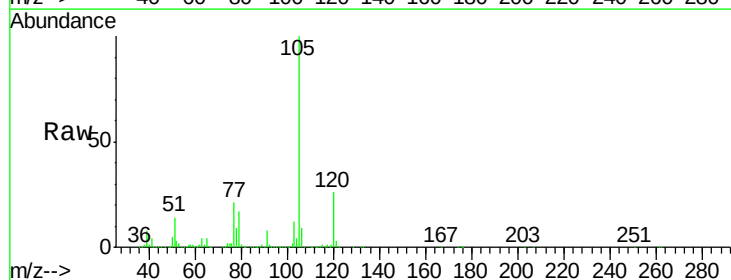
Manual Integrations
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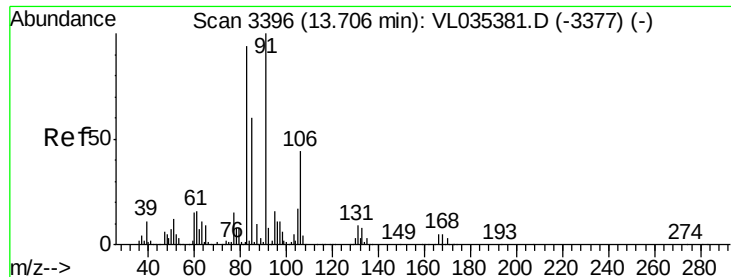
MMDadoda
8/17/2020 9:11:00 PM



#62
Isopropylbenzene
Concen: 8.393 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	21.1	31.7





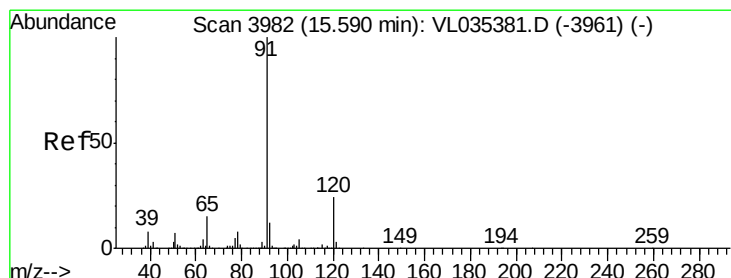
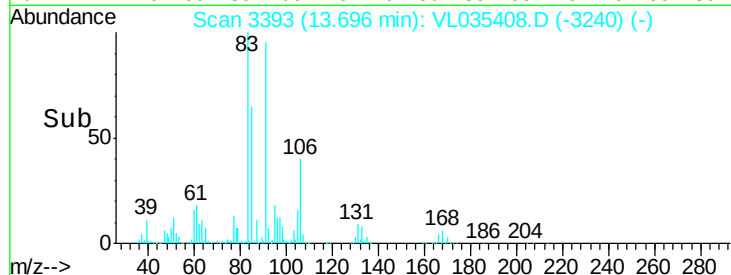
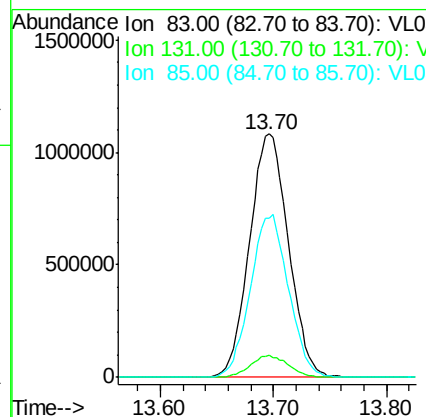
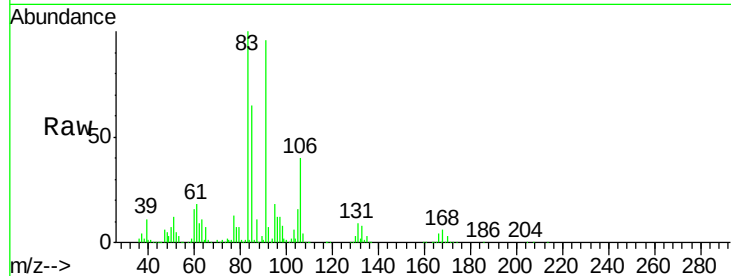
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.375 ppbv
 RT: 13.70 min Scan# 3393
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.9	4.5	13.7
85	65.6	32.4	97.0

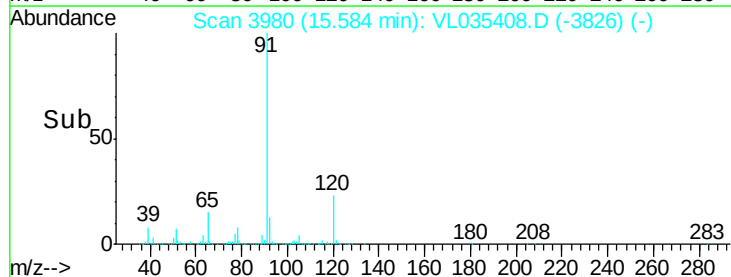
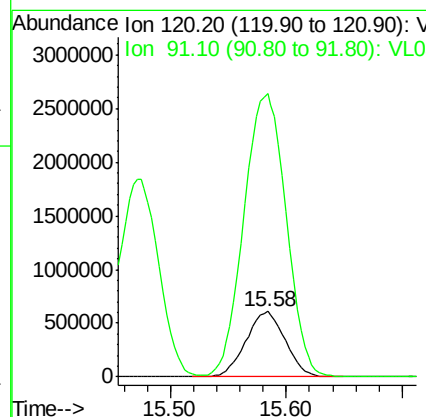
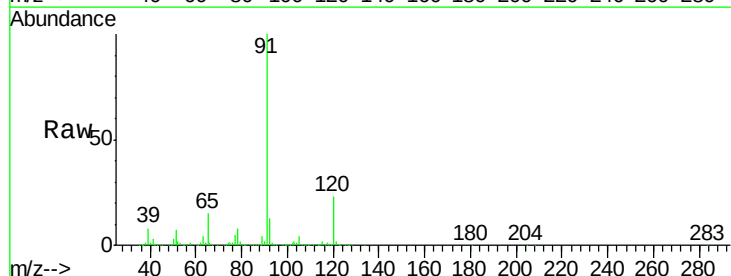
Manual Integrations
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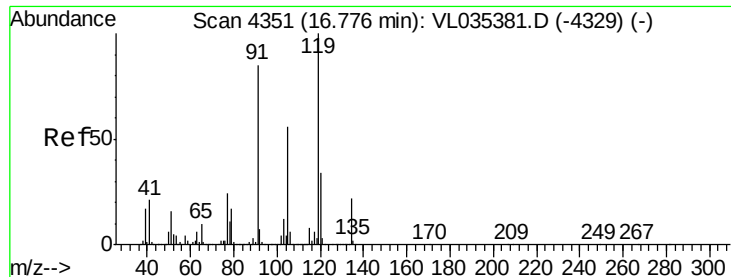
MMDadoda
 8/17/2020 9:11:00 PM



#64
 n-propylbenzene
 Concen: 8.546 ppbv
 RT: 15.58 min Scan# 3980
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
120	100		
91	467.3	356.2	534.4





#65

tert-Butylbenzene

Concen: 8.130 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4548960

Ion Ratio Lower Upper

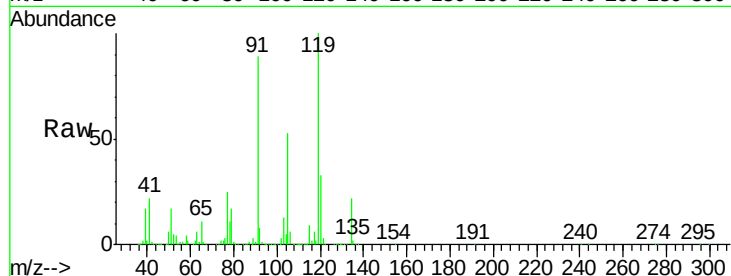
119 100

91 89.5 68.2 102.4

134 20.0 16.2 24.4

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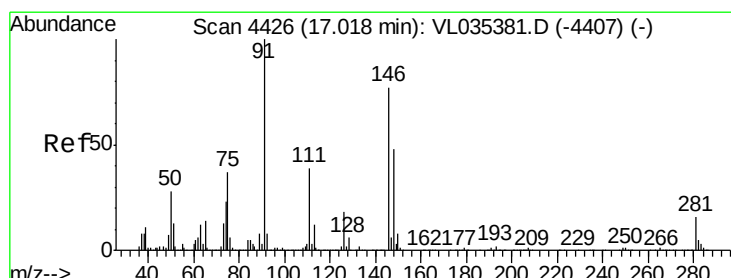
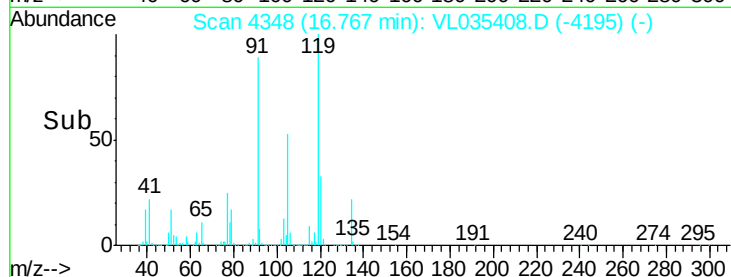
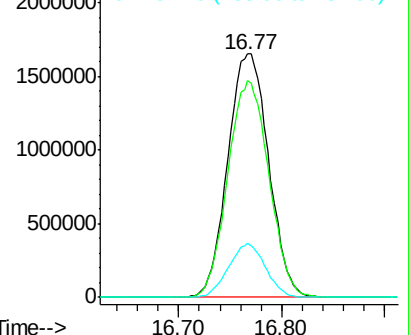
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 7.780 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

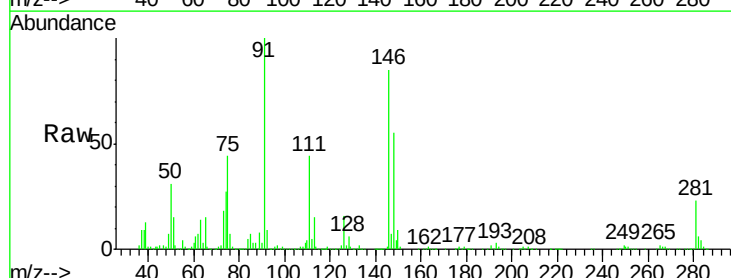
Tgt Ion: 91 Resp: 1966002

Ion Ratio Lower Upper

91 100

126 16.3 14.4 21.6

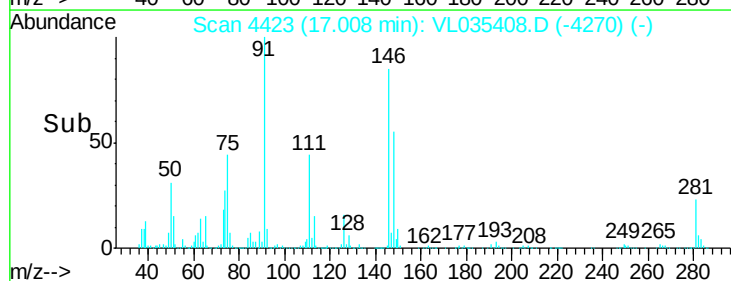
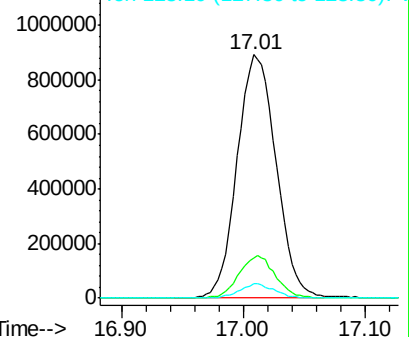
128 5.3 4.6 7.0

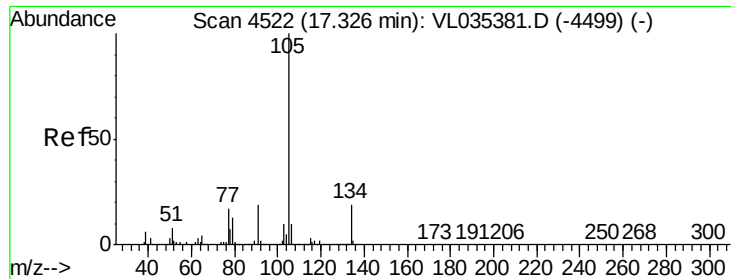


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 8.311 ppbv

RT: 17.32 min Scan# 4519

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6703781

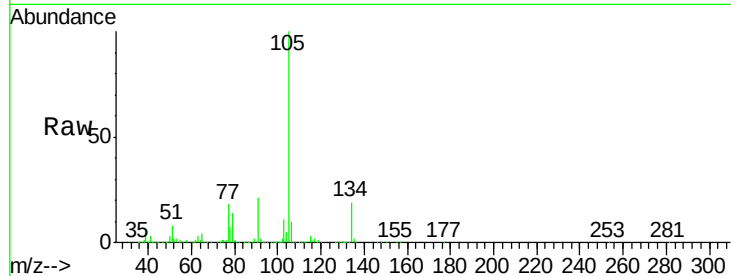
Ion Ratio Lower Upper

105 100

134 18.1 15.0 22.6

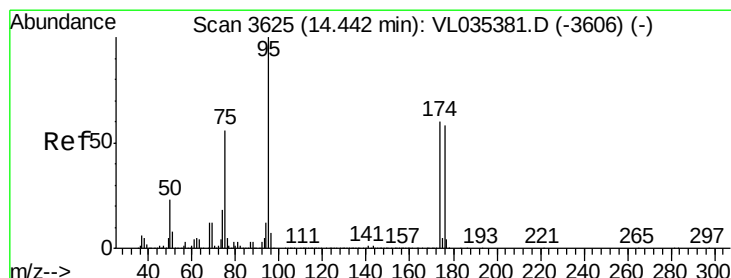
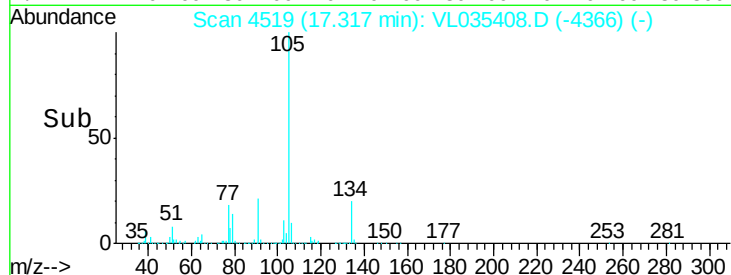
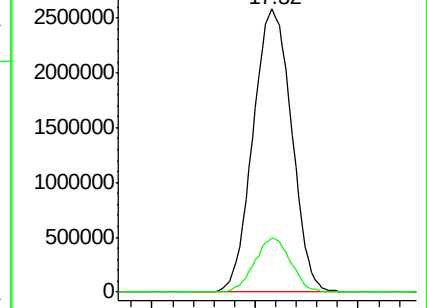
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.924 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

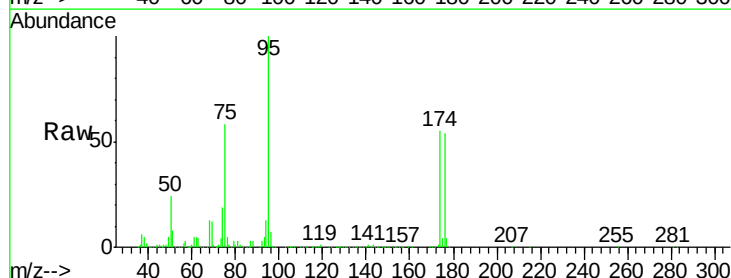
Tgt Ion: 95 Resp: 2660127

Ion Ratio Lower Upper

95 100

174 56.1 48.2 72.2

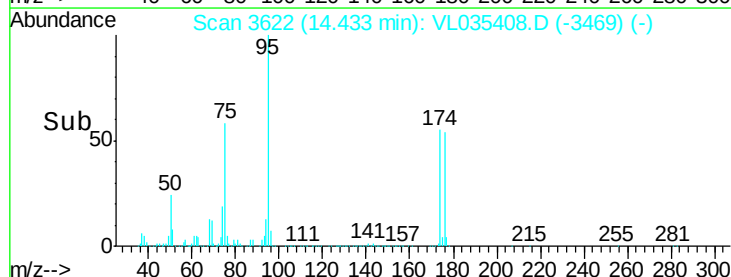
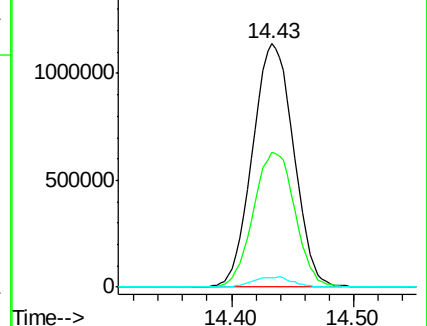
175 4.1 3.7 5.5

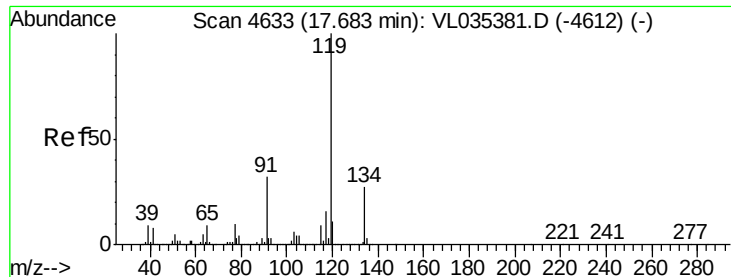


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





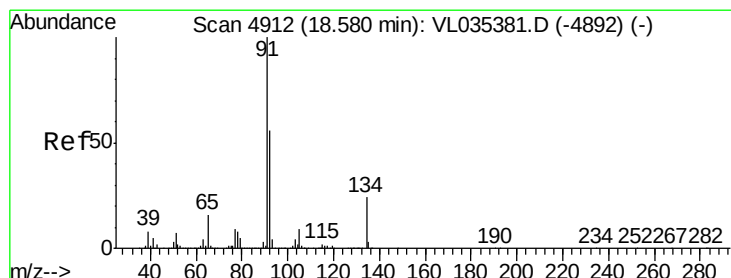
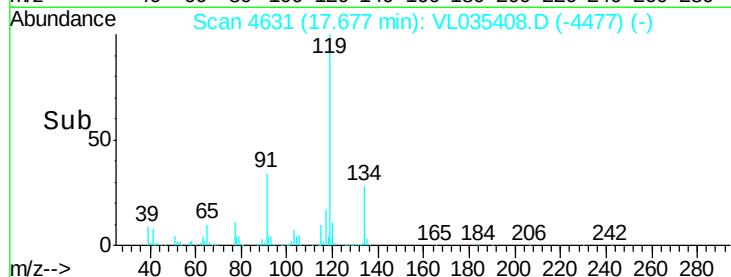
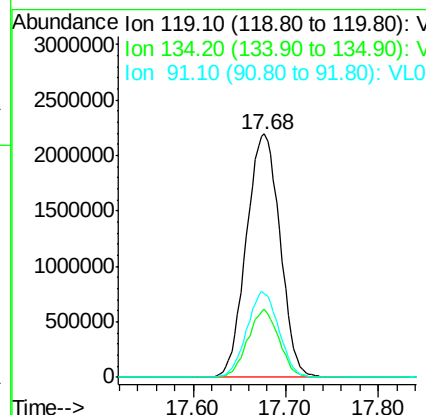
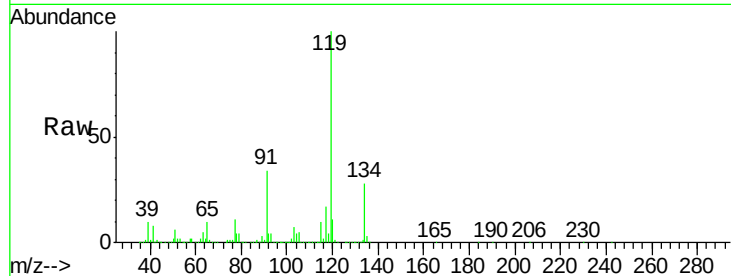
#69
 p-Isopropyltoluene
 Concen: 8.228 ppbv
 RT: 17.68 min Scan# 4631
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	20.9	31.3
91	33.6	25.3	37.9

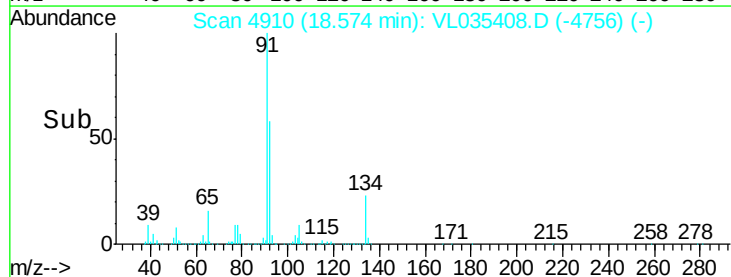
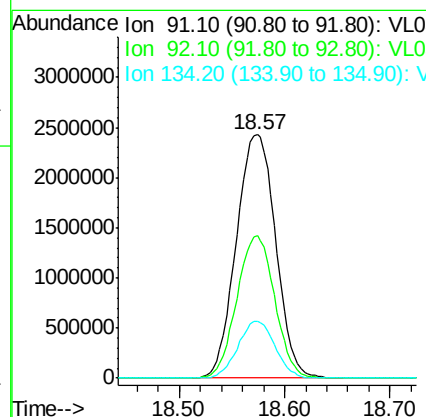
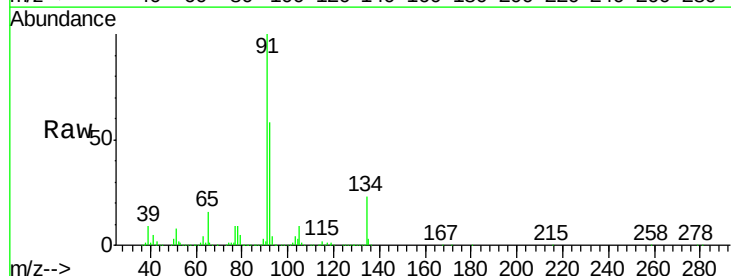
Manual Integrations
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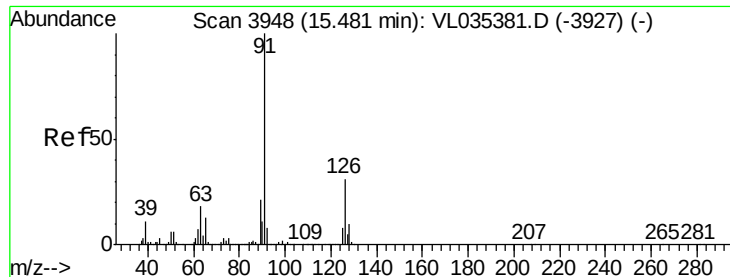
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#70
 n-Butylbenzene
 Concen: 8.448 ppbv
 RT: 18.57 min Scan# 4910
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.2	45.0	67.6
134	22.1	18.8	28.2





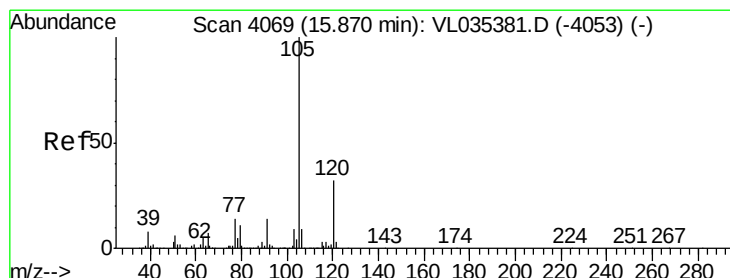
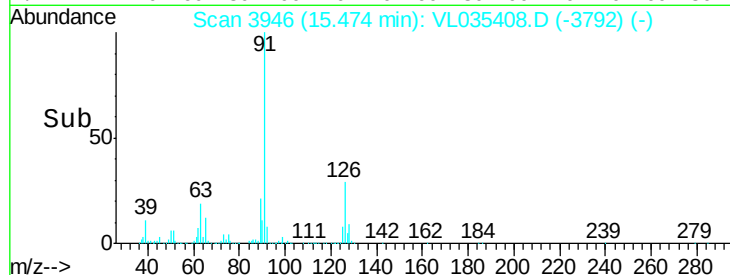
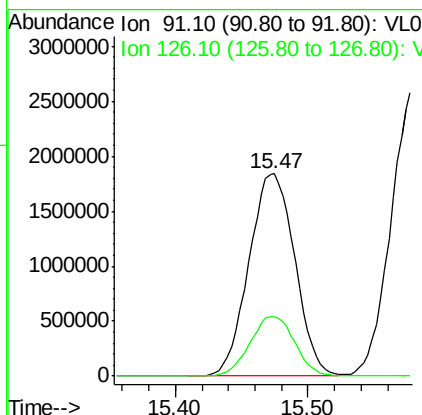
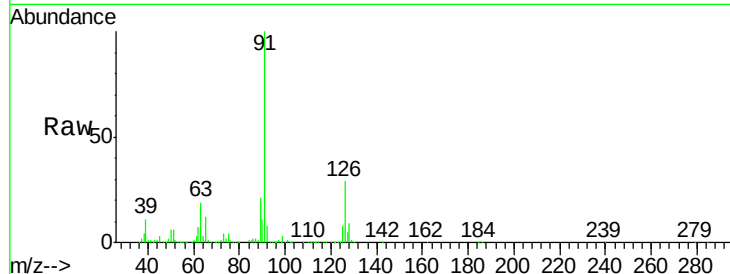
#71
2-Chlorotoluene
Concen: 8.673 ppbv
RT: 15.47 min Scan# 3946
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4437288
Ion Ratio Lower Upper
91 100
126 28.9 12.1 48.3

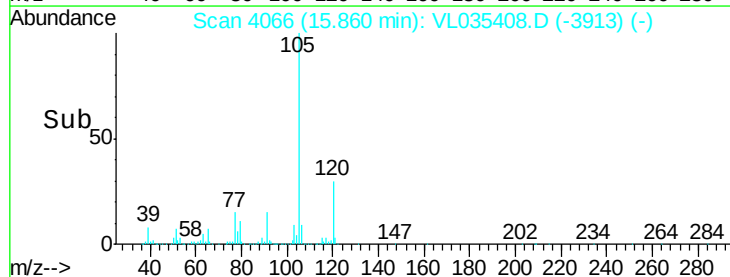
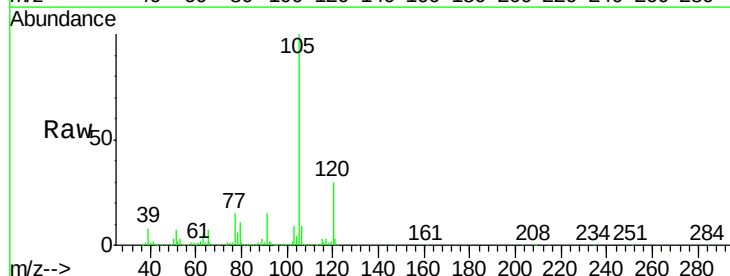
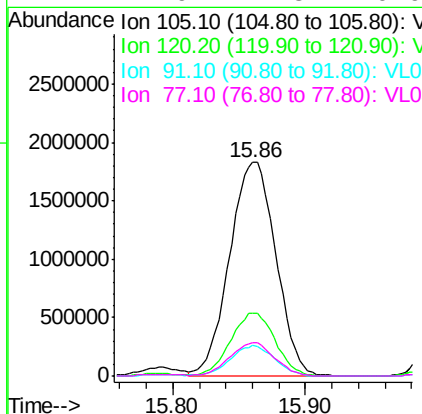
Manual Integrations
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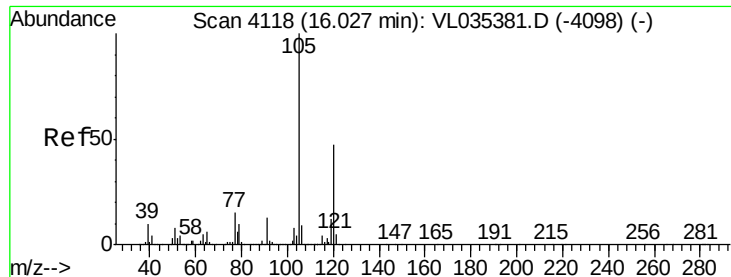
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#72
4-Ethyltoluene
Concen: 8.550 ppbv
RT: 15.86 min Scan# 4066
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion: 105 Resp: 4421863
Ion Ratio Lower Upper
105 100
120 28.5 24.0 36.0
91 13.6 10.4 15.6
77 14.9 11.3 16.9





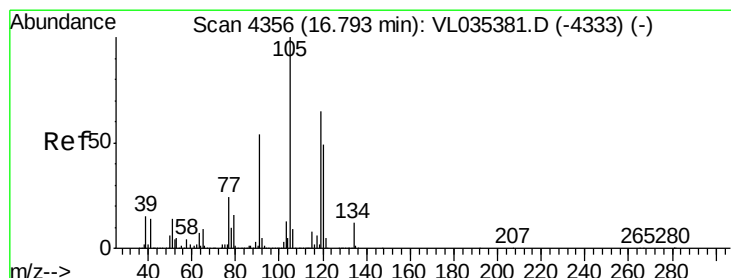
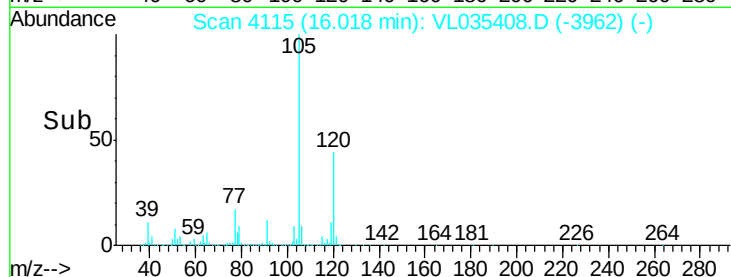
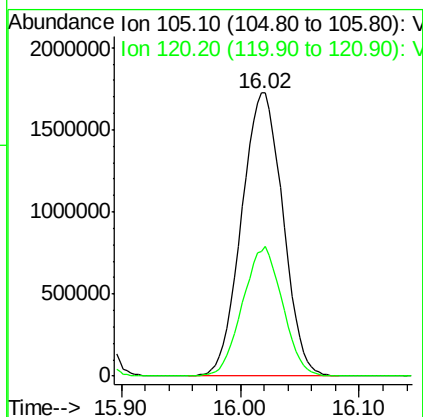
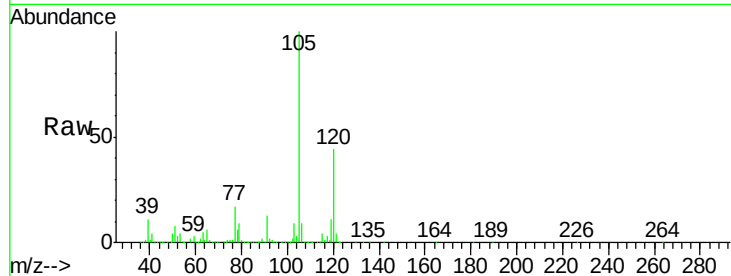
#73
 1,3,5-Trimethylbenzene
 Concen: 8.538 ppbv
 RT: 16.02 min Scan# 4115
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4140265
 Ion Ratio Lower Upper
 105 100
 120 43.9 37.4 56.0

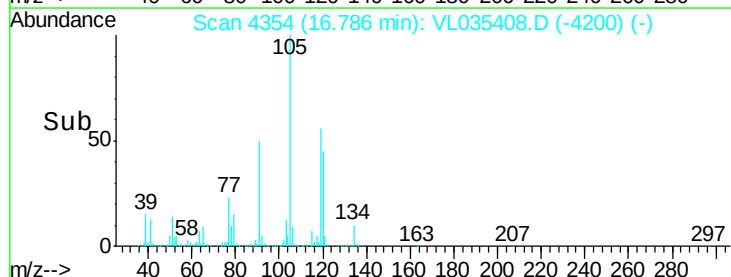
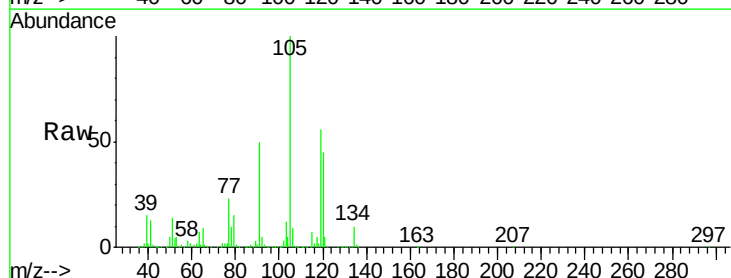
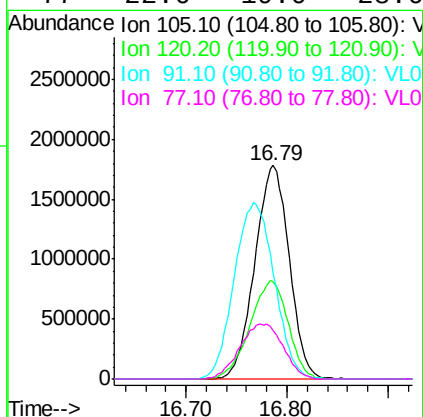
Manual Integrations
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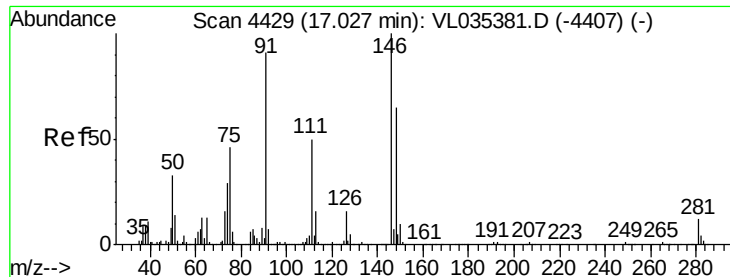
MMDadoda
 8/17/2020 9:11:00 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.271 ppbv
 RT: 16.79 min Scan# 4354
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion:105 Resp: 4218437
 Ion Ratio Lower Upper
 105 100
 120 45.3 39.1 58.7
 91 49.8 43.7 65.5
 77 22.6 19.0 28.6





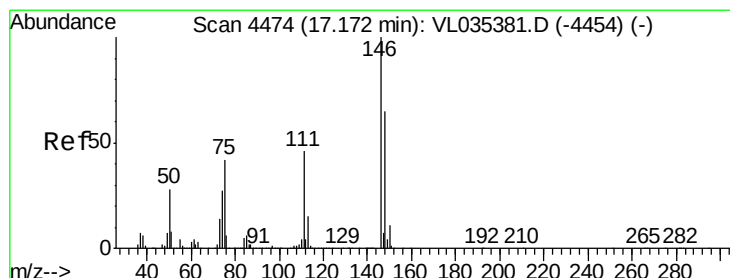
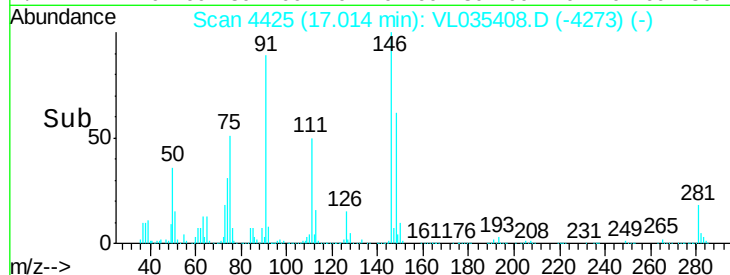
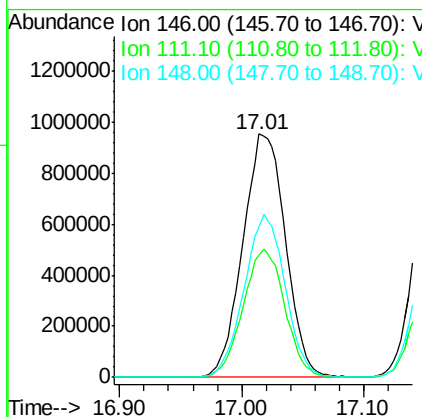
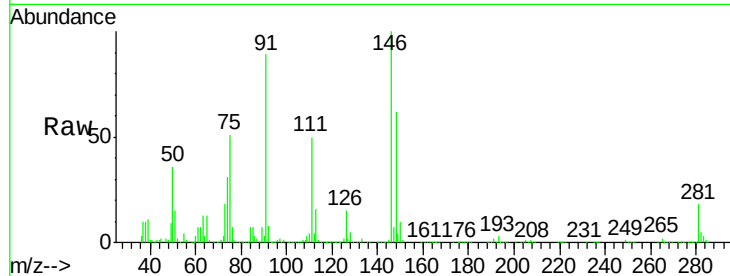
#75
 1,3-Dichlorobenzene
 Concen: 8.271 ppbv
 RT: 17.01 min Scan# 4425
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2301945
 Ion Ratio Lower Upper
 146 100
 111 51.3 25.0 75.0
 148 64.6 32.6 97.7

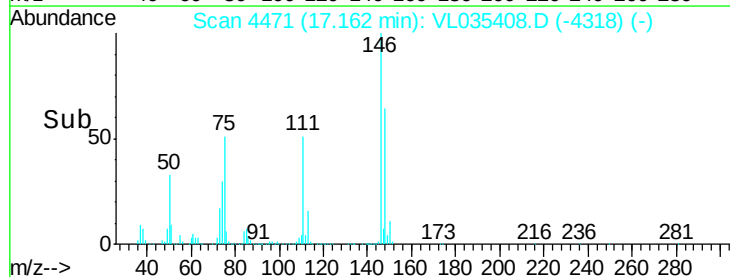
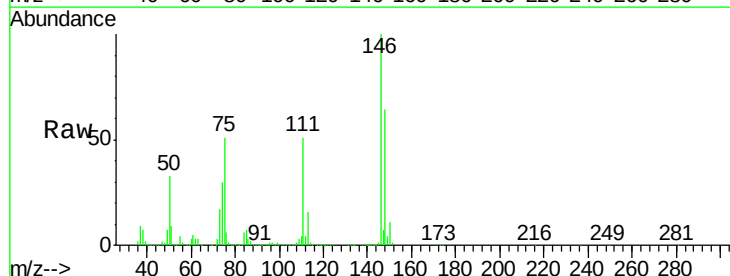
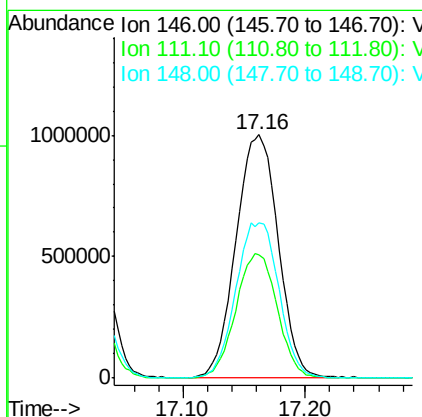
Manual Integrations
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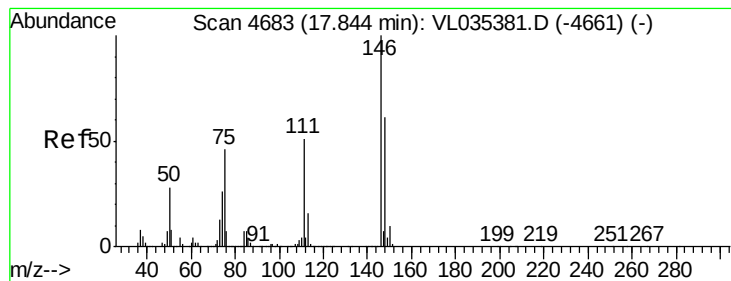
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#76
 1,4-Dichlorobenzene
 Concen: 8.358 ppbv
 RT: 17.16 min Scan# 4471
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Tgt Ion:146 Resp: 2389323
 Ion Ratio Lower Upper
 146 100
 111 50.7 24.0 72.0
 148 65.7 32.5 97.5





#77

1,2-Dichlorobenzene

Concen: 8.380 ppbv

RT: 17.84 min Scan# 4682

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2351387

Ion Ratio Lower Upper

146 100

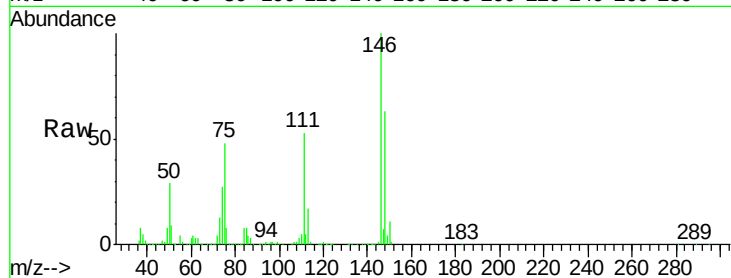
111 53.2 25.9 77.8

148 64.5 32.1 96.3

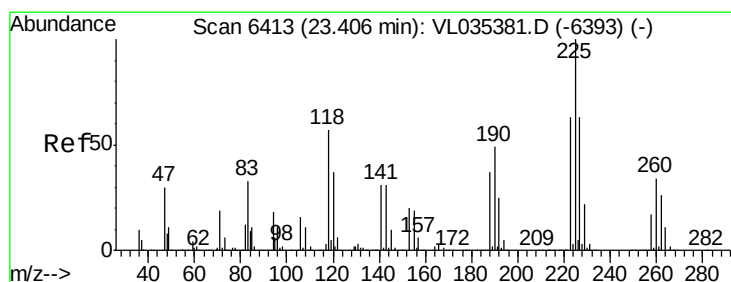
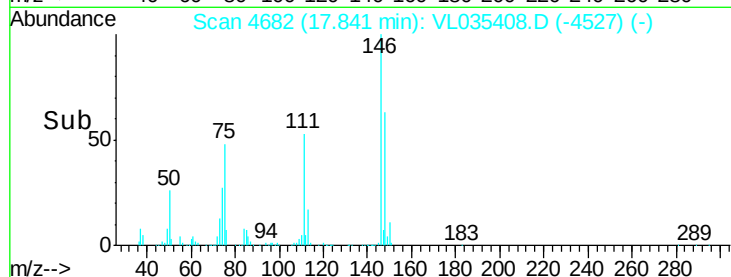
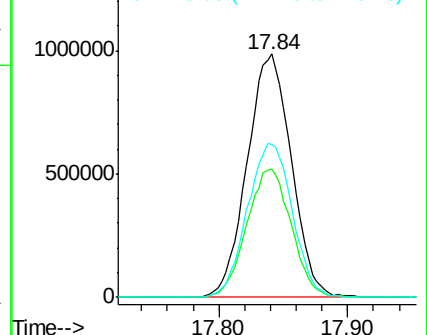
Manual Integrations
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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.10 (110.80 to 111.80): V
Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 7.539 ppbv

RT: 23.40 min Scan# 6412

Delta R.T. -0.00 min

Lab File: VL035408.D

Acq: 13 Aug 2020 19:41

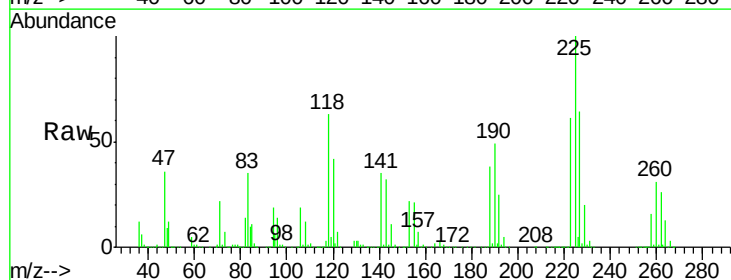
Tgt Ion:225 Resp: 1744503

Ion Ratio Lower Upper

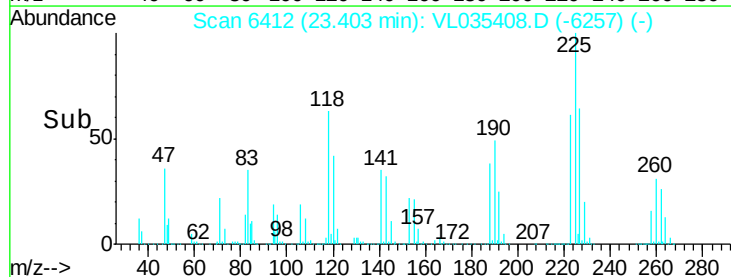
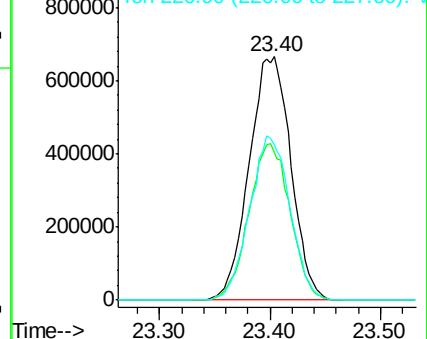
225 100

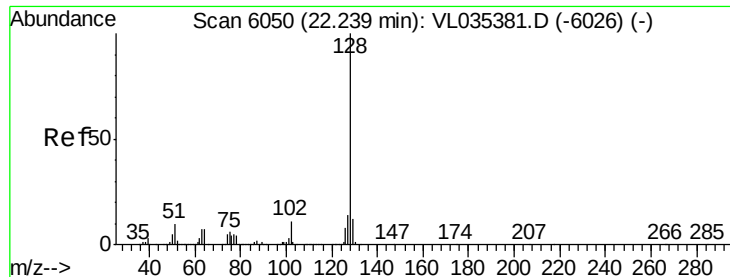
223 0.0 51.0 76.6#

227 65.2 51.0 76.6



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





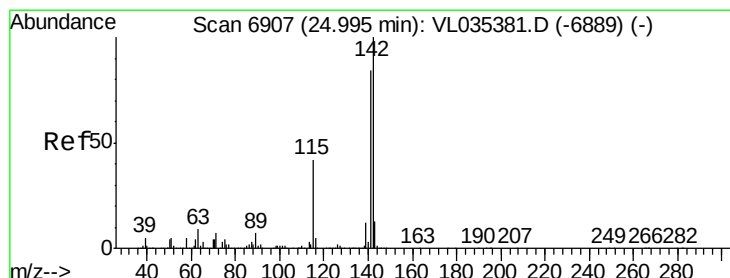
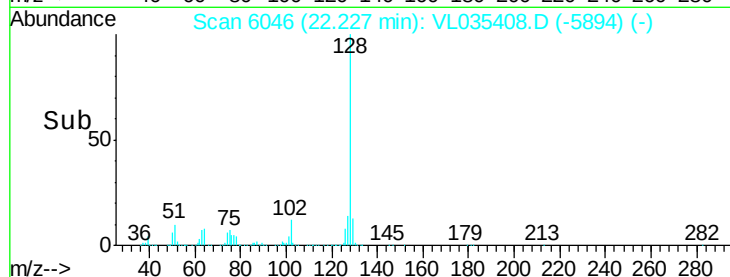
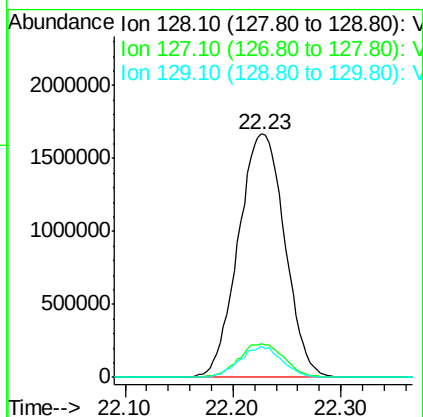
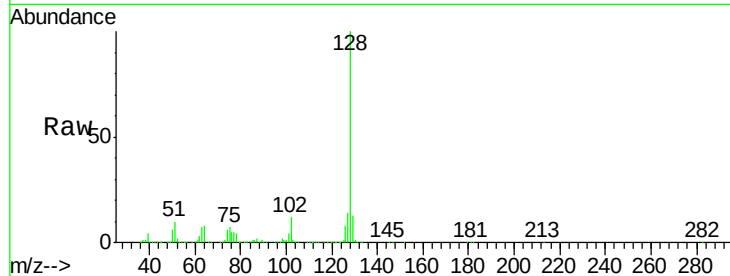
#79
Naphthalene
Concen: 7.855 ppbv
RT: 22.23 min Scan# 6046
Delta R.T. -0.01 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.4
129	12.8	9.2	13.8

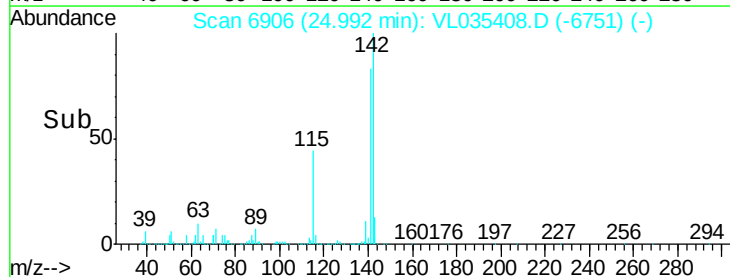
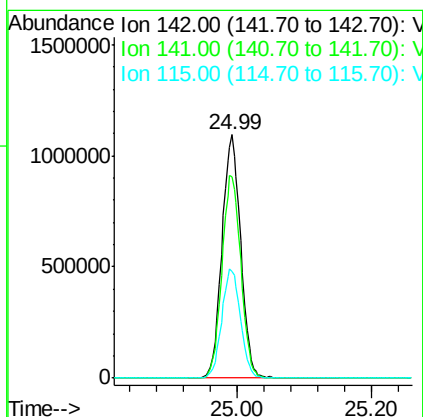
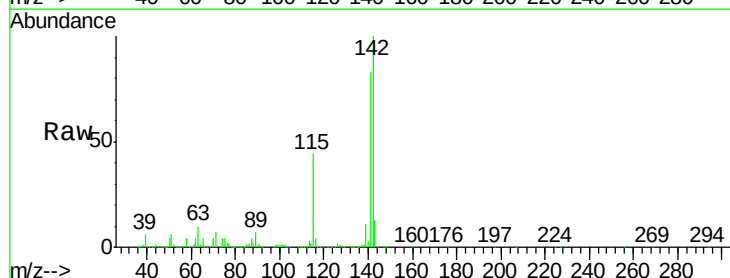
Manual Integrations
APPROVED

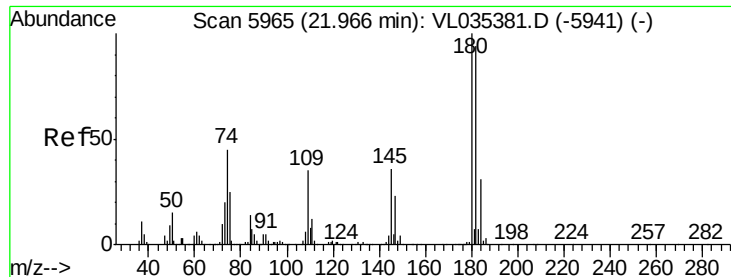
MMDadoda
8/17/2020 9:11:00 PM



#80
Naphthalene, 2-methyl-
Concen: 7.184 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.00 min
Lab File: VL035408.D
Acq: 13 Aug 2020 19:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	67.7	101.5
115	45.0	34.0	51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.811 ppbv
 RT: 21.96 min Scan# 5963
 Delta R.T. -0.01 min
 Lab File: VL035408.D
 Acq: 13 Aug 2020 19:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.6	116.4
184	30.8	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 8/17/2020 9:11:00 PM

