

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036342.D
 Acq On : 11 Feb 2021 9:52
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:42:55 PM

Quant Time: Feb 11 21:20:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 11 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1646201	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3742243	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3503360m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2994698	10.39	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2242088	9.126	ppbv	98
3) Chlorodifluoromethane	2.98	51	1829898	8.946	ppbv	100
4) Chloromethane	3.13	50	924377	9.354	ppbv	94
5) Vinyl Chloride	3.24	62	842596	9.157	ppbv	98
6) Bromomethane	3.46	94	484927	8.866	ppbv	97
7) Chloroethane	3.54	64	306565	9.383	ppbv	93
8) Dichlorotetrafluoroethane	3.17	85	2074830	9.286	ppbv	99
9) Propene	3.00	41	810093	10.623	ppbv	98
10) Heptane	8.10	43	2151905	9.575	ppbv	98
11) Trichlorofluoromethane	3.93	101	2190954	9.107	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1364638	9.157	ppbv	99
13) Ethanol	3.59	45	101495	7.086	ppbv	100
14) Bromoethene	3.72	108	553127	8.868	ppbv	95
15) Acetone	3.84	43	1676164	8.330	ppbv	100
16) 1,3-Butadiene	3.31	39	866630	9.006	ppbv	99
17) tert-Butyl alcohol	4.28	59	1364884	8.738	ppbv	100
18) 1,1-Dichloroethene	4.28	96	586158	8.655	ppbv	99
19) Isopropyl Alcohol	3.96	45	933468	8.373	ppbv	# 98
20) Methylene Chloride	4.33	84	511509	7.879	ppbv	95
21) Allyl Chloride	4.39	41	1010303	9.018	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	580141	9.430	ppbv	97
23) Vinyl Acetate	5.06	43	2079175	8.788	ppbv	97
24) 1,1-Dichloroethane	5.00	63	1535783	8.777	ppbv	99
25) Ethyl Acetate	5.66	43	3563354	9.173	ppbv	100
26) Hexane	5.67	57	1444252	9.048	ppbv	99
27) Carbon Disulfide	4.53	76	1507493	10.276	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1971587	9.456	ppbv	100
29) Chloroform	5.74	83	2333968	9.076	ppbv	100
30) Cyclohexane	7.11	84	1203304	9.065	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1470180	9.309	ppbv	98
32) 1,1,1-Trichloroethane	6.50	97	2242088	9.326	ppbv	100
34) 2-Butanone	5.23	43	2255339	9.071	ppbv	99
35) Carbon Tetrachloride	7.00	117	2310047	9.210	ppbv	99
36) Benzene	6.88	78	3028985	9.528	ppbv	96
37) 1,2-Dichloroethane	6.29	62	1832829	9.325	ppbv	100
38) Trichloroethene	7.82	130	1010972	8.877	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1205969	9.339	ppbv	98
40) 1,4-Dioxane	7.81	88	143662	3.211	ppbv	# 23
41) Tetrahydrofuran	6.03	42	1319247	9.508	ppbv	100
42) Bromodichloromethane	7.78	83	2483234	9.434	ppbv	96
43) Methyl Methacrylate	8.00	69	1350609	10.074	ppbv	99

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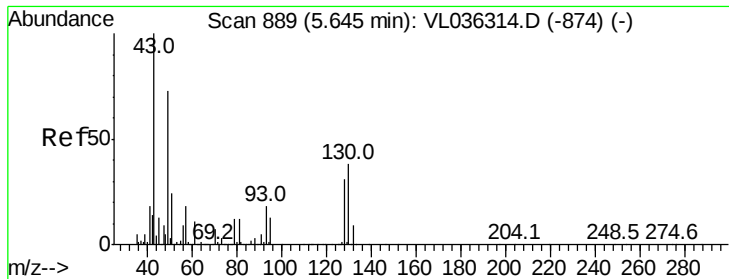
Manual Integrations
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Quant Time: Feb 11 21:20:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5204422	9.004	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1394353	10.782	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1703565	10.370	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1188870	8.996	ppbv	98
48) Dibromochloromethane	10.29	129	1949855	9.888	ppbv	100
49) Bromoform	13.03	173	1558071	9.773	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	3470630	9.402	ppbv	100
51) 2-Hexanone	10.11	43	2852361	10.170	ppbv #	98
52) Tetrachloroethene	11.20	164	971278	8.346	ppbv	98
53) Toluene	9.79	91	3315767	9.630	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1747871	9.152	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1432228	8.888	ppbv #	62
57) Chlorobenzene	12.13	112	2369620	8.754	ppbv	96
58) Ethyl Benzene	12.69	91	4475062	9.328	ppbv	98
59) m/p-Xylene	12.98	91	7548105m	17.913	ppbv	
60) o-Xylene	13.68	91	3563386	8.845	ppbv	100
61) Styrene	13.51	104	2482707	9.943	ppbv	99
62) Isopropylbenzene	14.65	105	5255489	8.703	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2496202	7.852	ppbv	99
64) n-propylbenzene	15.55	120	1354823	9.116	ppbv	100
65) tert-Butylbenzene	16.73	119	4446294	8.605	ppbv	99
66) Benzyl Chloride	16.97	91	1444768	10.285	ppbv	100
67) sec-Butylbenzene	17.28	105	6307425	8.464	ppbv	99
69) p-Isopropyltoluene	17.64	119	5173491	8.984	ppbv	100
70) n-Butylbenzene	18.54	91	5569705	9.019	ppbv	100
71) 2-Chlorotoluene	15.44	91	4083967	8.822	ppbv	99
72) 4-Ethyltoluene	15.82	105	4091338	9.125	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	3829604	8.811	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	3870201	8.722	ppbv	96
75) 1,3-Dichlorobenzene	16.98	146	2031411	8.435	ppbv	98
76) 1,4-Dichlorobenzene	17.12	146	2039870	8.156	ppbv	96
77) 1,2-Dichlorobenzene	17.80	146	2030536	8.499	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1630883	8.355	ppbv	99
79) Naphthalene	22.18	128	3264335m	12.411	ppbv	
80) Naphthalene, 2-methyl-	24.97	142	457646	9.397	ppbv	100
81) 1,2,4-Trichlorobenzene	21.91	180	1716158m	10.694	ppbv	

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



#1

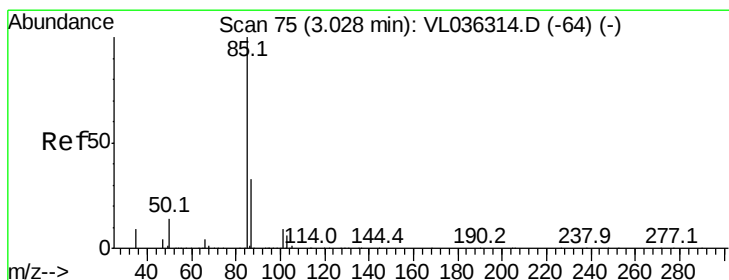
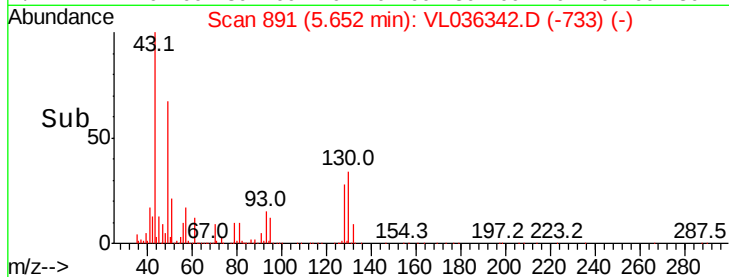
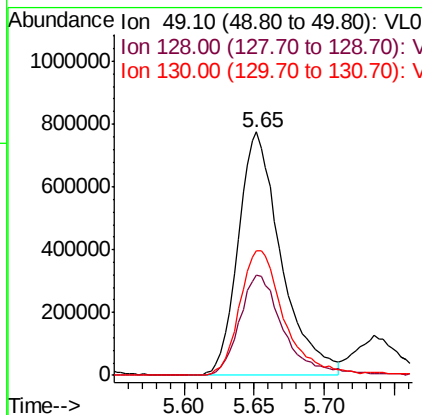
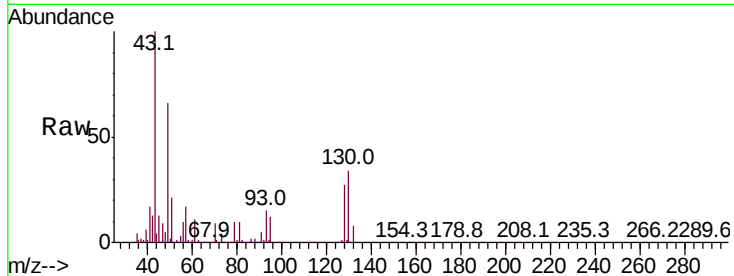
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.3	20.8	62.5
130	54.7	26.7	80.1

Manual Integrations
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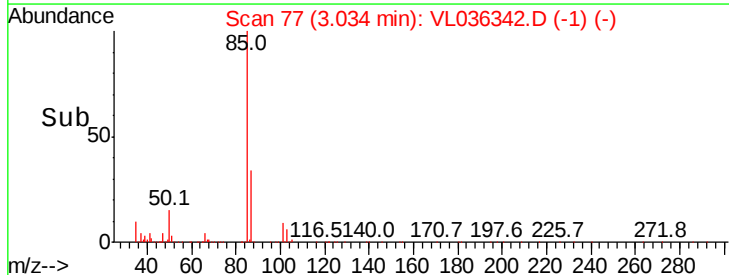
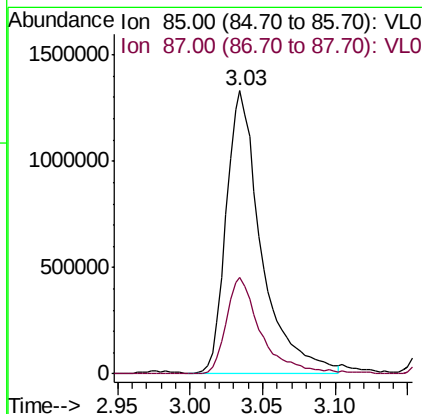
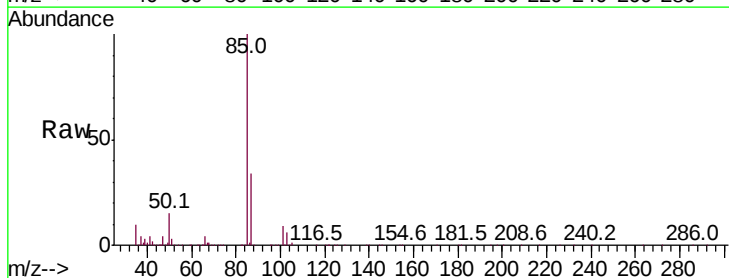
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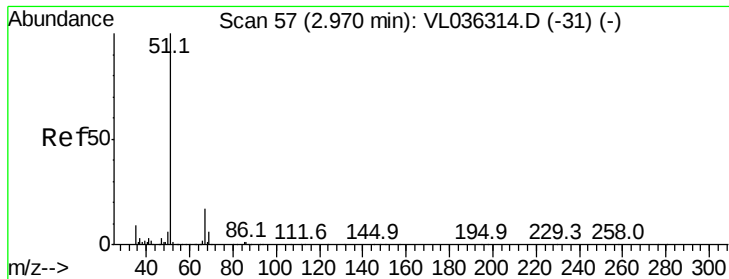


#2

Dichlorodifluoromethane
 Concen: 9.126 ppbv
 RT: 3.03 min Scan# 77
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.1	26.5	39.7





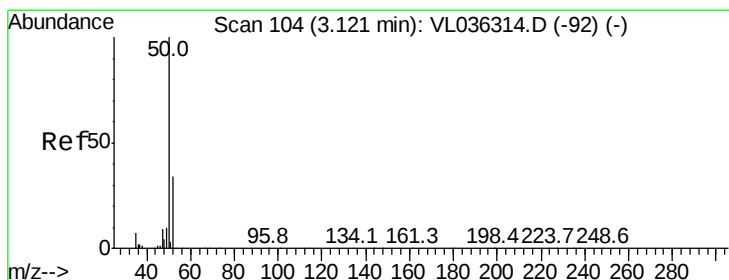
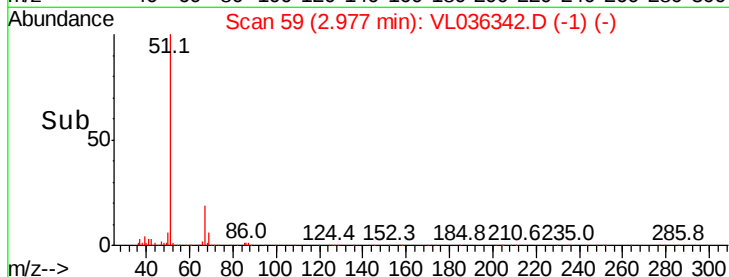
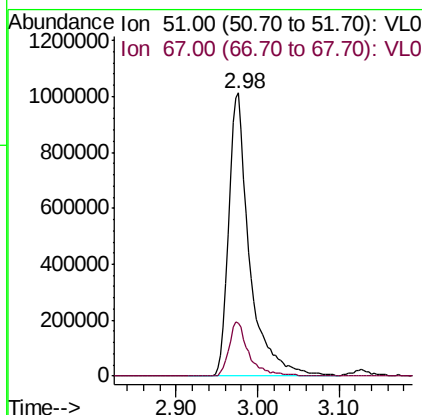
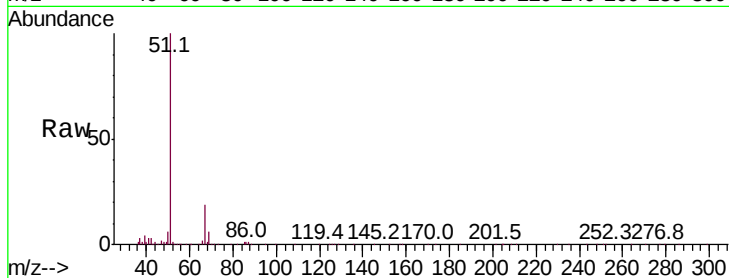
#3
Chlorodifluoromethane
Concen: 8.946 ppbv
RT: 2.98 min Scan# 59
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 1829898
Ion Ratio Lower Upper
51 100
67 18.6 14.7 22.1

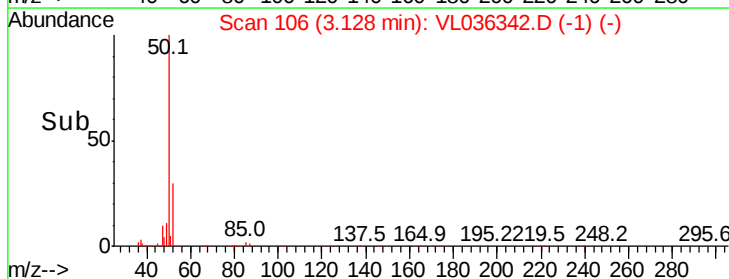
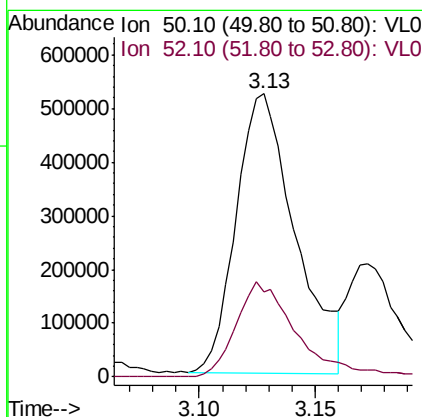
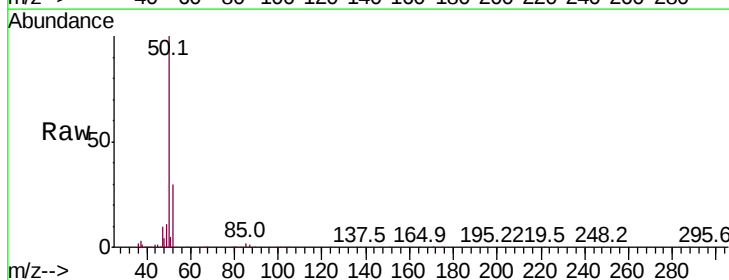
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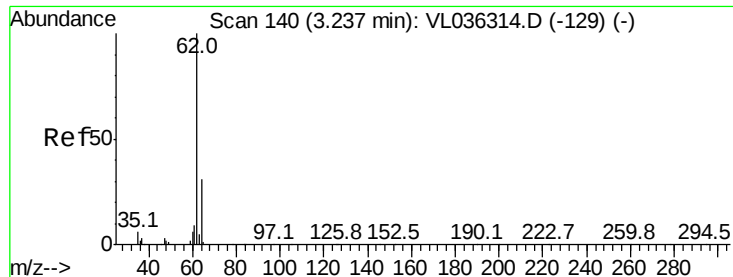
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#4
Chloromethane
Concen: 9.354 ppbv
RT: 3.13 min Scan# 106
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion: 50 Resp: 924377
Ion Ratio Lower Upper
50 100
52 30.1 27.0 40.4





#5

Vinyl Chloride

Concen: 9.157 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 842596

Ion Ratio Lower Upper

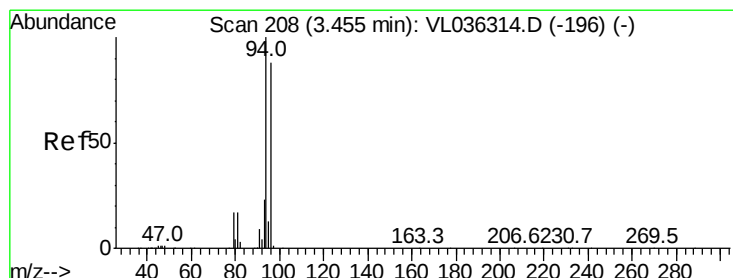
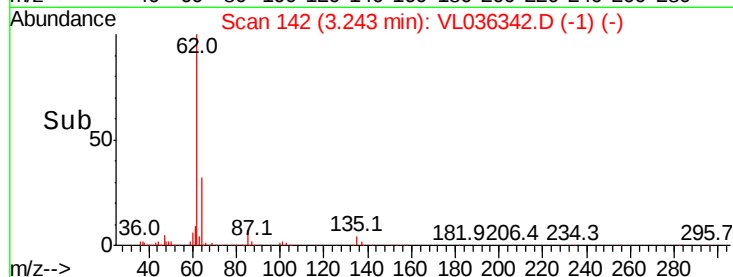
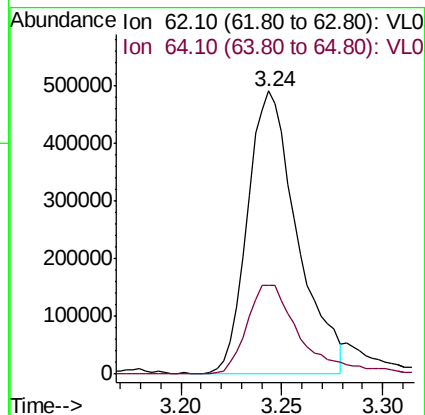
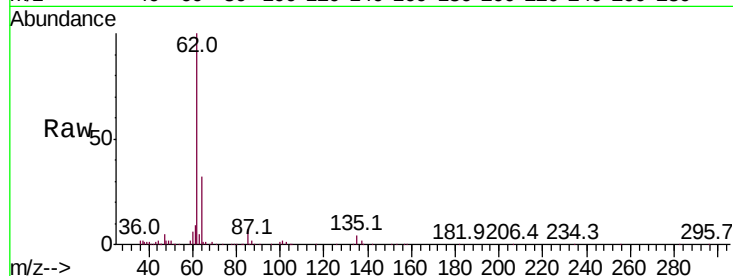
62 100

64 31.7 24.4 36.6

Manual Integrations
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#6

Bromomethane

Concen: 8.866 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.00 min

Lab File: VL036342.D

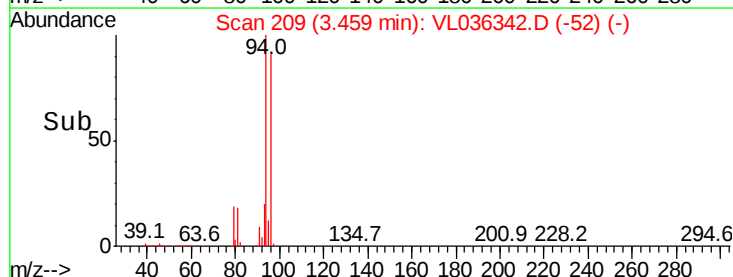
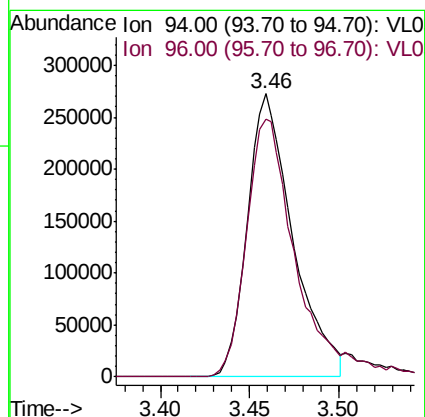
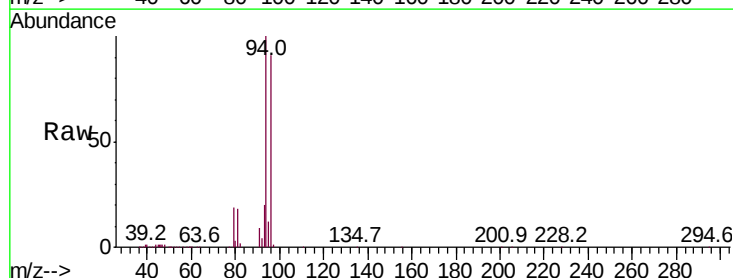
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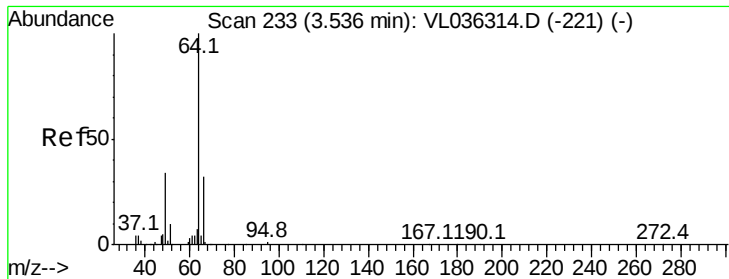
Tgt Ion: 94 Resp: 484927

Ion Ratio Lower Upper

94 100

96 90.9 70.8 106.2





#7

Chloroethane

Concen: 9.383 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 306565

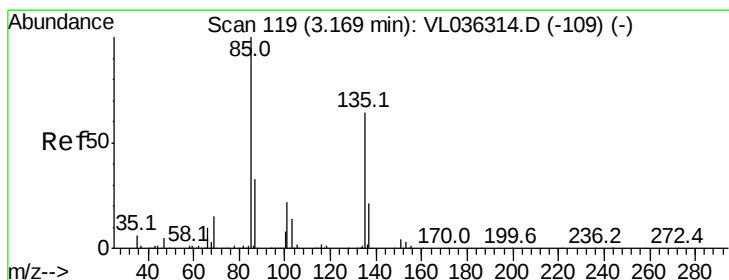
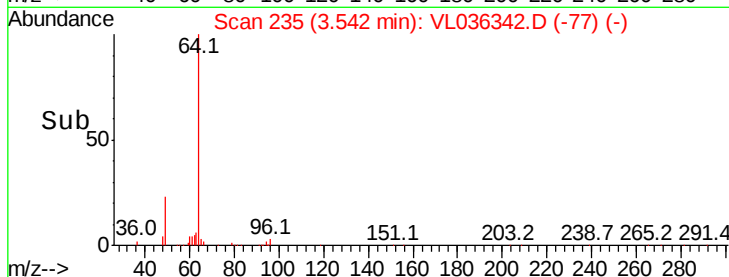
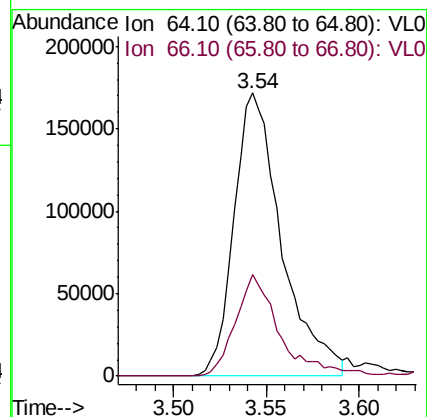
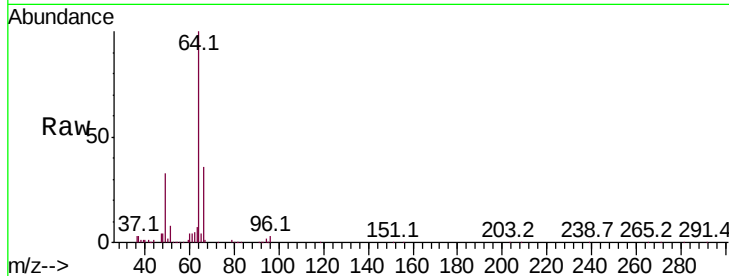
Ion Ratio Lower Upper

64 100

66 35.7 25.6 38.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.286 ppbv

RT: 3.17 min Scan# 120

Delta R.T. 0.00 min

Lab File: VL036342.D

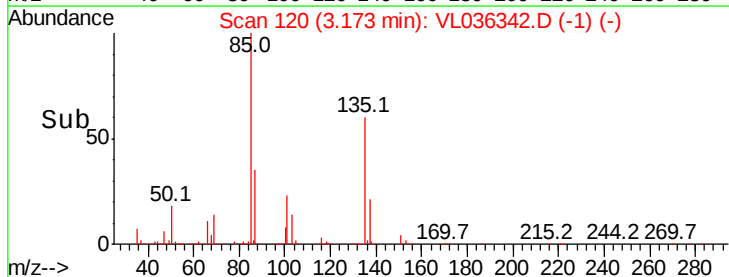
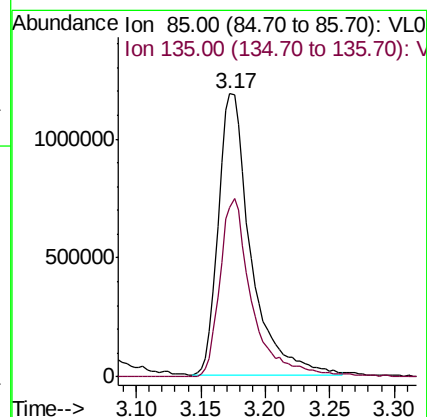
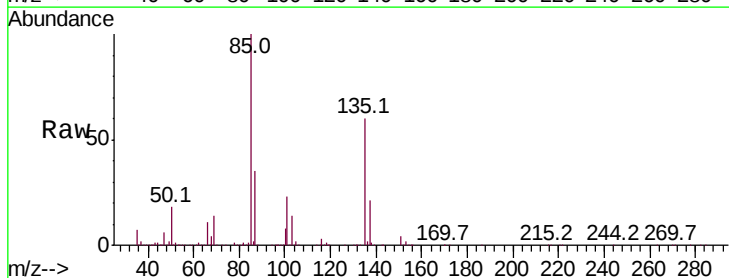
Acq: 11 Feb 2021 9:52

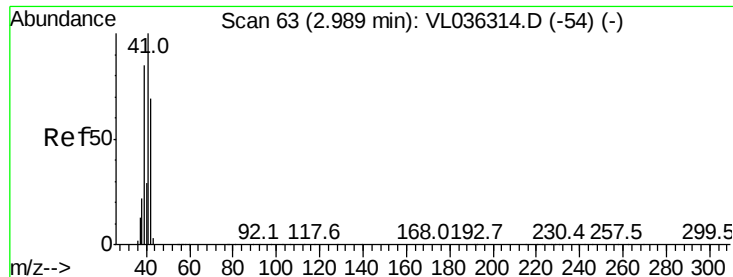
Tgt Ion: 85 Resp: 2074830

Ion Ratio Lower Upper

85 100

135 63.4 51.1 76.7





#9

Propene

Concen: 10.623 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 810093

Ion Ratio Lower Upper

41 100

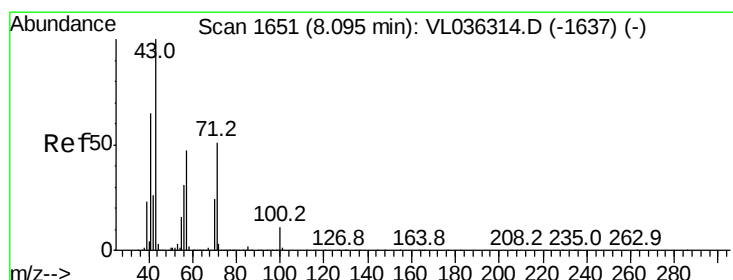
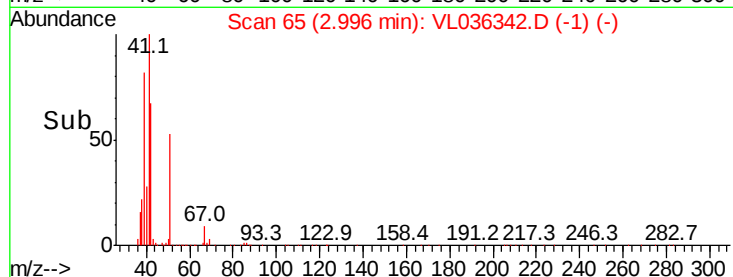
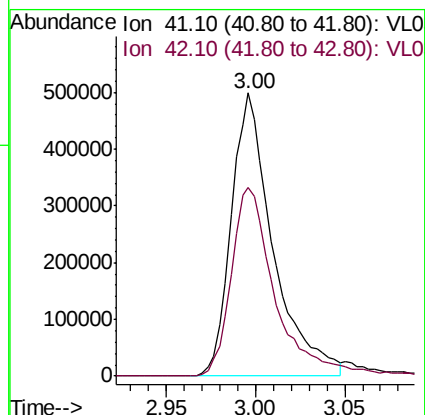
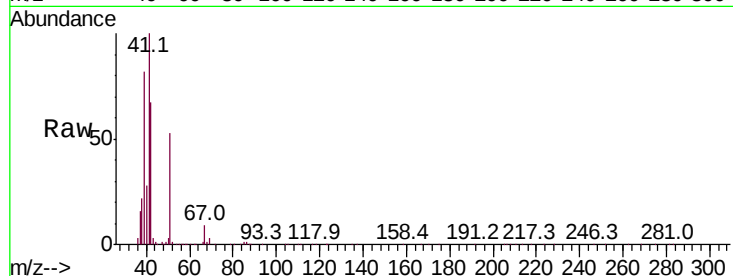
42 71.6 56.2 84.2

Manual Integrations

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#10

Heptane

Concen: 9.575 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.01 min

Lab File: VL036342.D

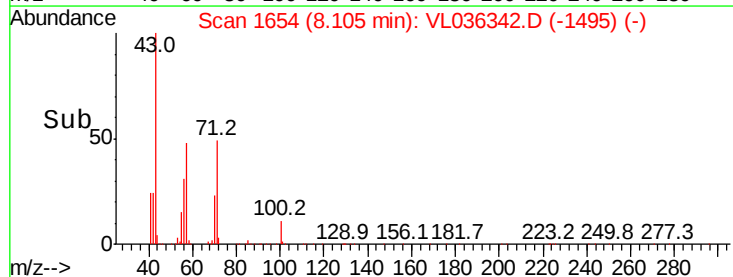
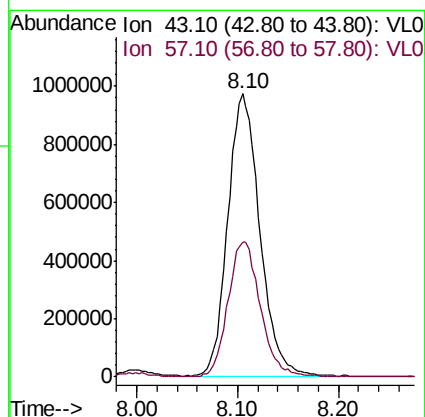
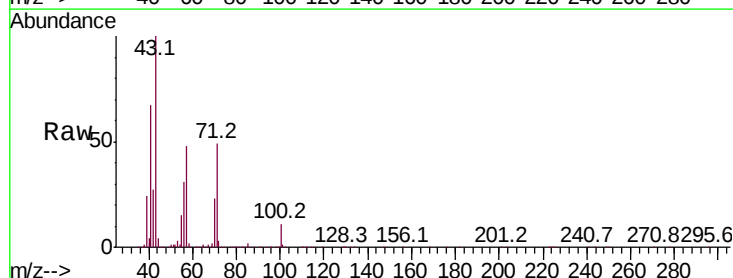
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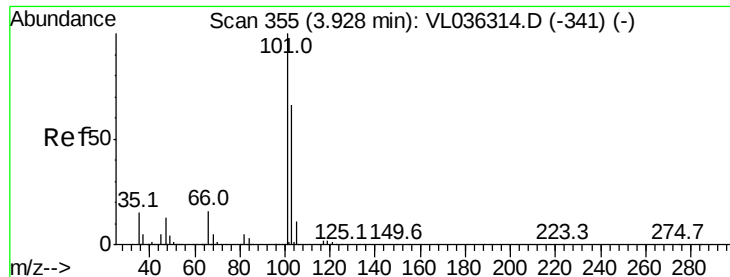
Tgt Ion: 43 Resp: 2151905

Ion Ratio Lower Upper

43 100

57 48.0 39.4 59.2





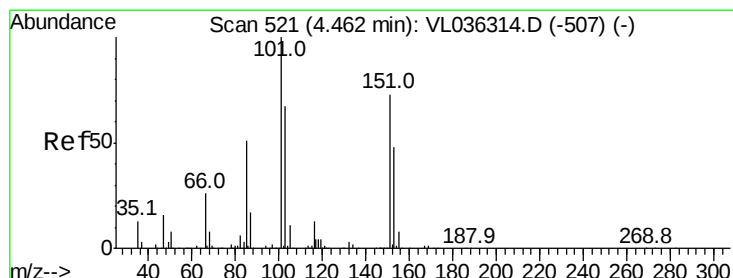
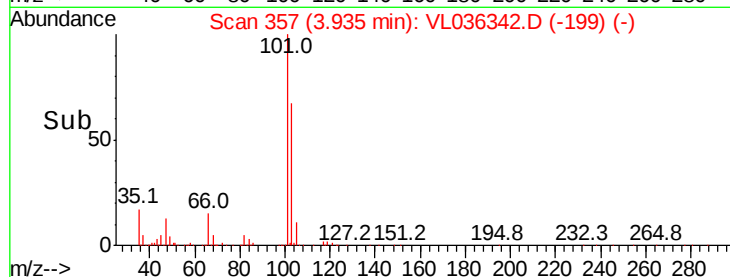
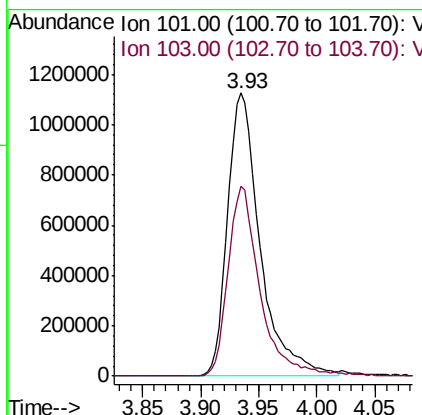
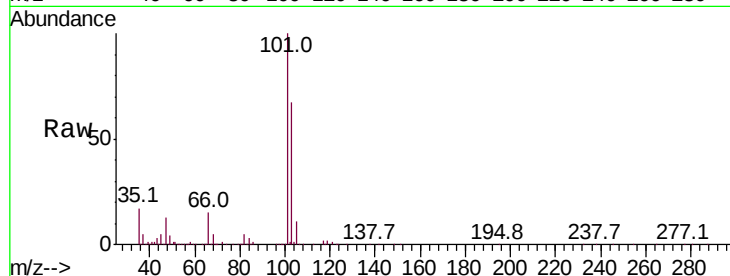
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 Trichlorofluoromethane
 Concen: 9.107 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2190954
 Ion Ratio Lower Upper
 101 100
 103 67.3 52.9 79.3

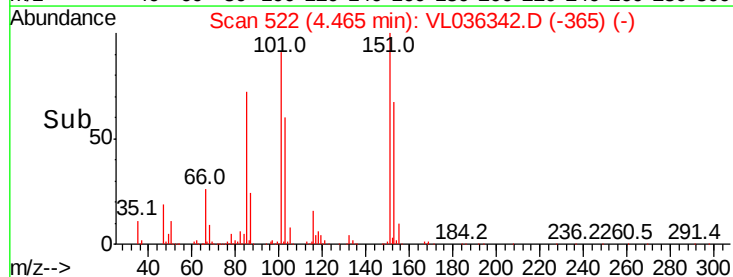
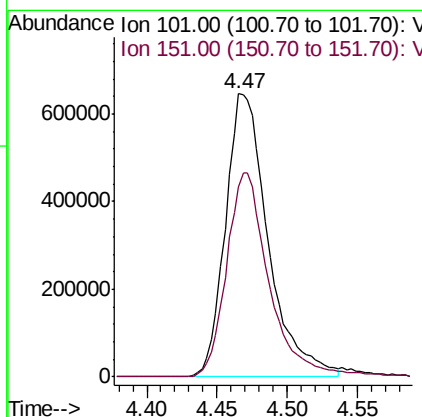
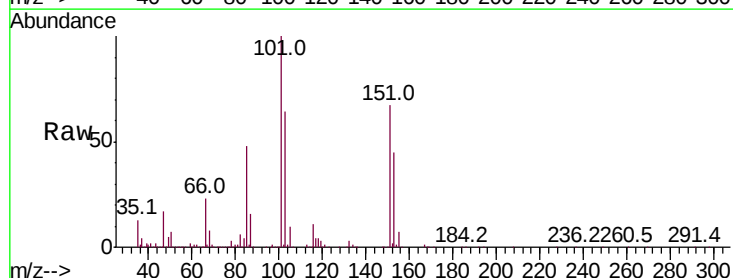
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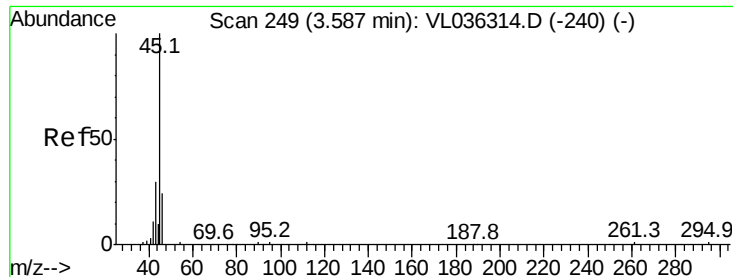
MMDadoda
 2/12/2021 1:42:55 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.157 ppbv
 RT: 4.47 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion:101 Resp: 1364638
 Ion Ratio Lower Upper
 101 100
 151 72.3 58.2 87.4





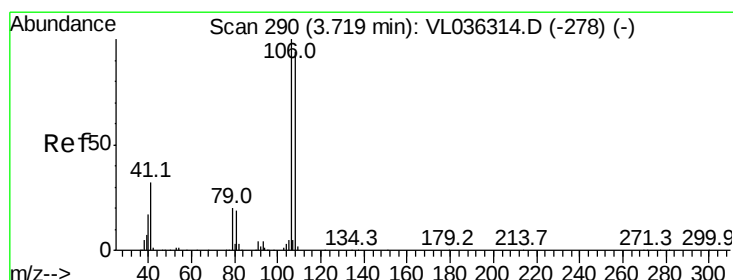
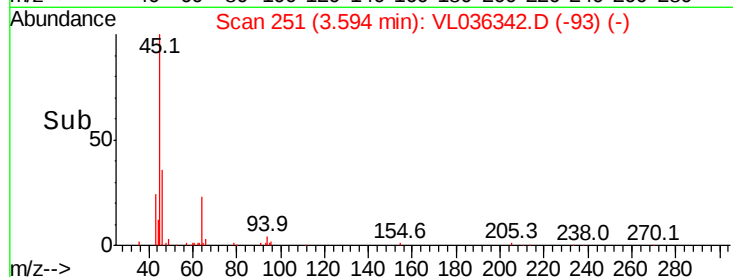
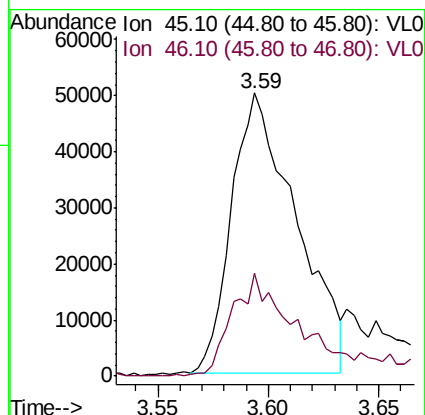
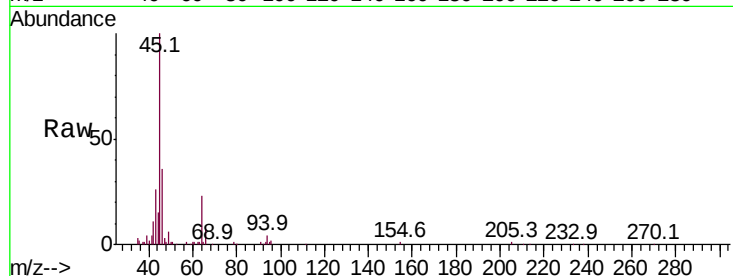
#13
Ethanol
Concen: 7.086 ppbv
RT: 3.59 min Scan# 251
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 101495
Ion Ratio Lower Upper
45 100
46 43.9 17.7 70.7

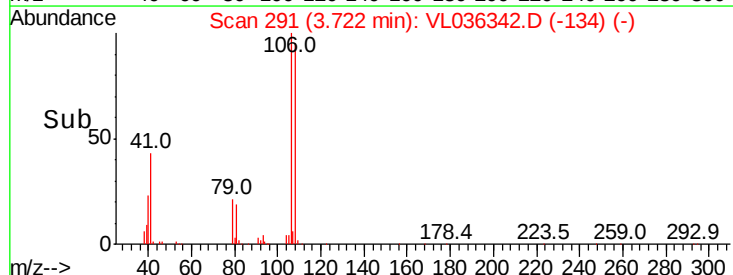
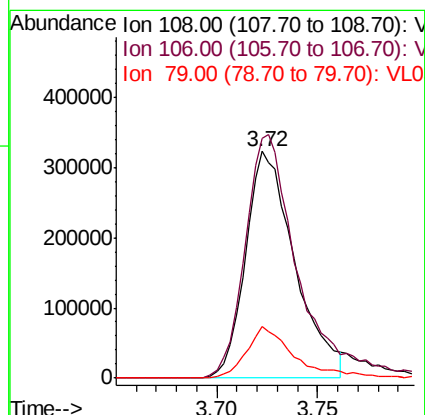
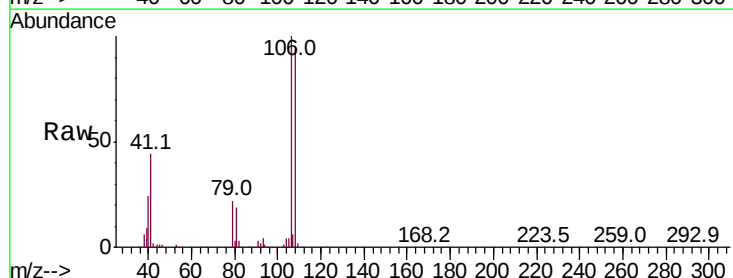
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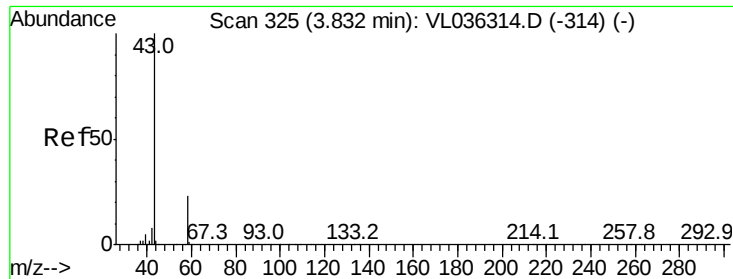
MMDadoda
2/12/2021 1:42:55 PM



#14
Bromoethene
Concen: 8.868 ppbv
RT: 3.72 min Scan# 291
Delta R.T. 0.00 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion: 108 Resp: 553127
Ion Ratio Lower Upper
108 100
106 117.4 89.8 134.8
79 23.0 17.1 25.7





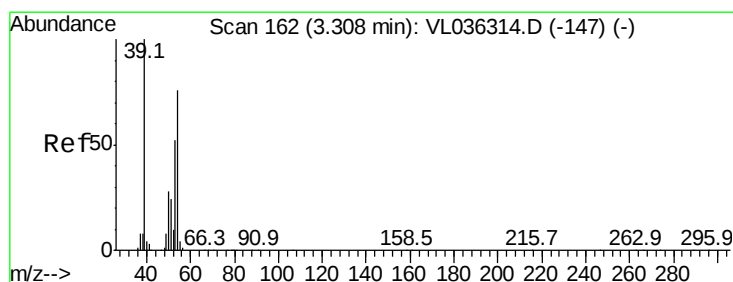
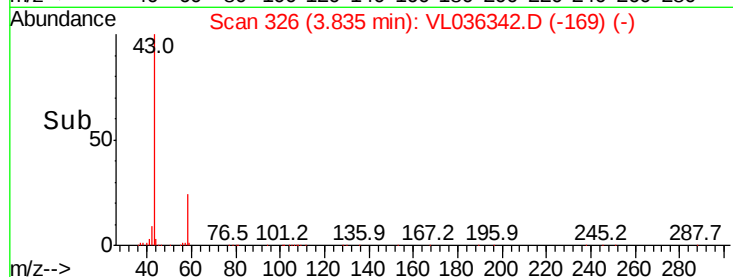
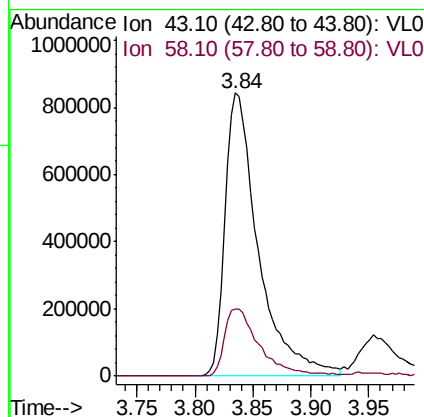
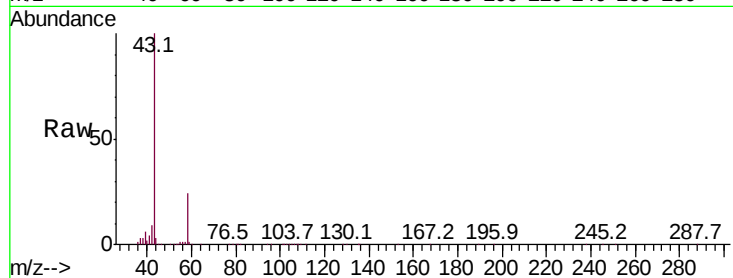
#15
Acetone
Concen: 8.330 ppbv
RT: 3.84 min Scan# 326
Delta R.T. 0.00 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1676164
Ion Ratio Lower Upper
43 100
58 25.5 20.3 30.5

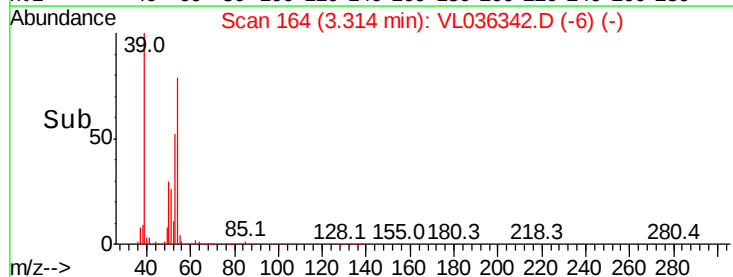
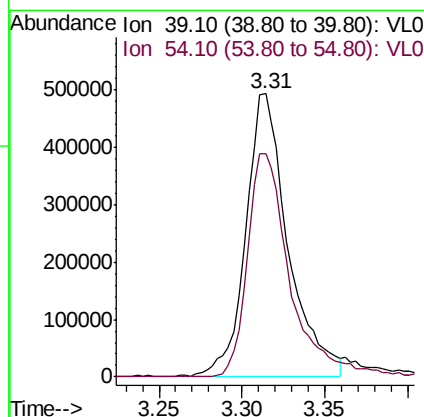
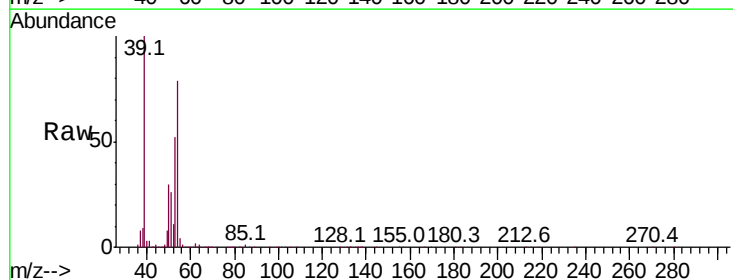
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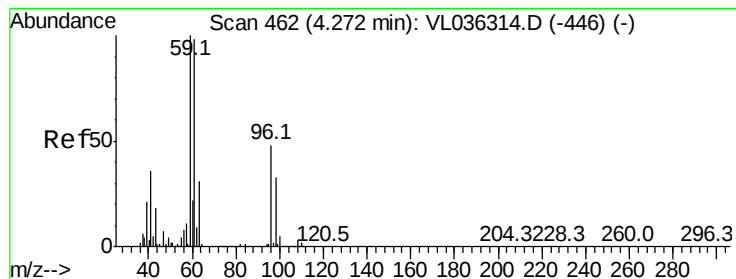
MMDadoda
2/12/2021 1:42:55 PM



#16
1,3-Butadiene
Concen: 9.006 ppbv
RT: 3.31 min Scan# 164
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion: 39 Resp: 866630
Ion Ratio Lower Upper
39 100
54 81.5 64.4 96.6





#17

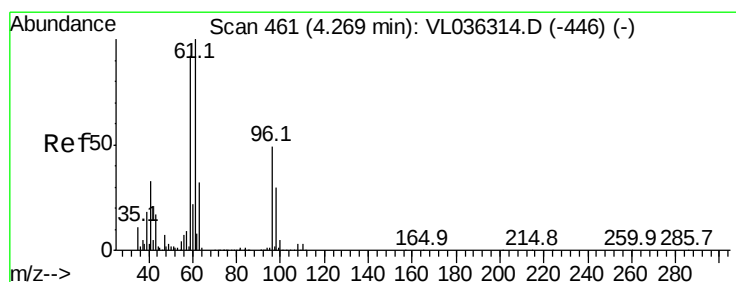
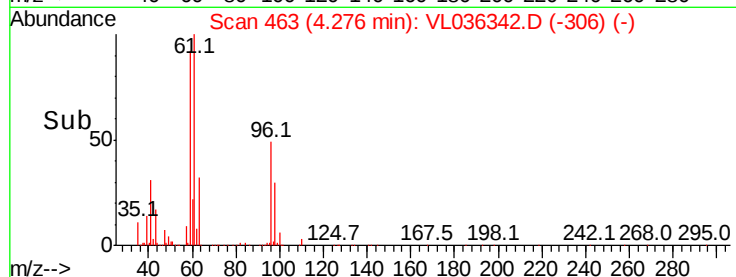
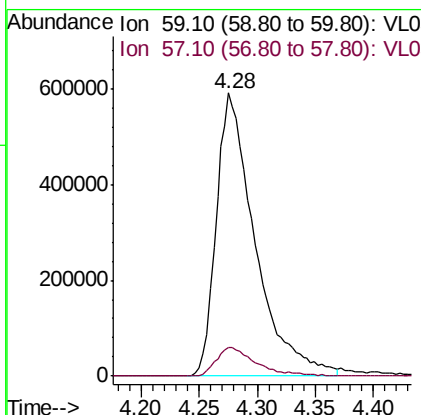
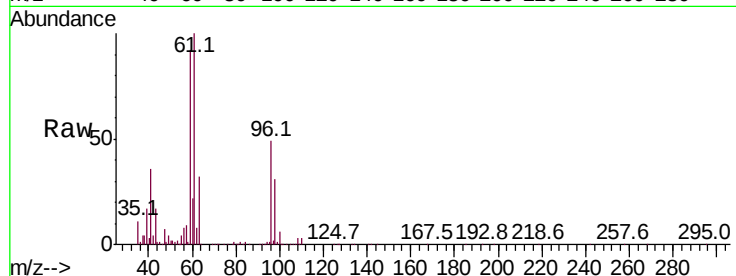
tert-Butyl alcohol
Concen: 8.738 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1364884
Ion Ratio Lower Upper
59 100
57 11.1 9.0 13.4

Manual Integrations
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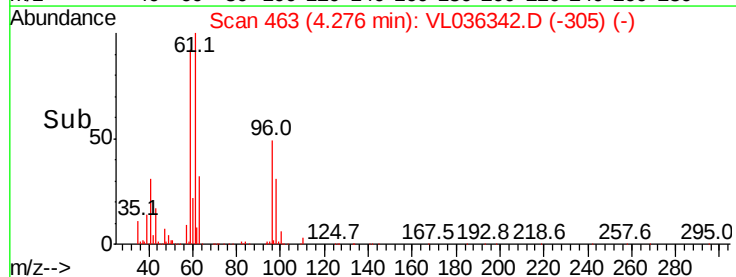
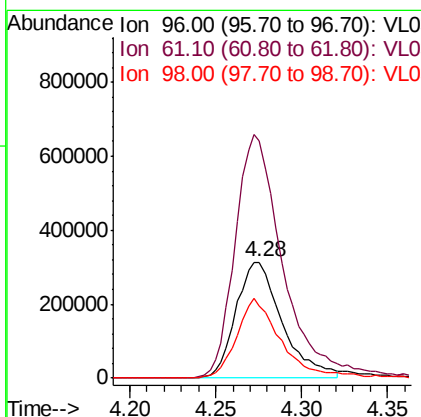
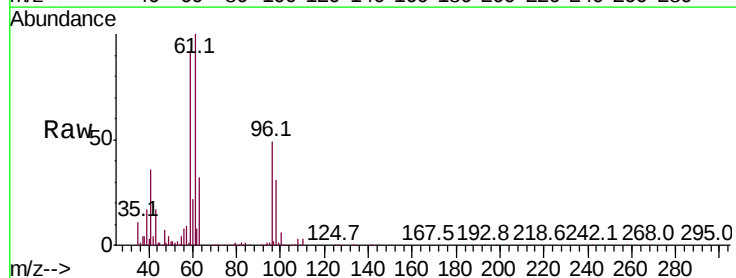
MMDadoda
2/12/2021 1:42:55 PM

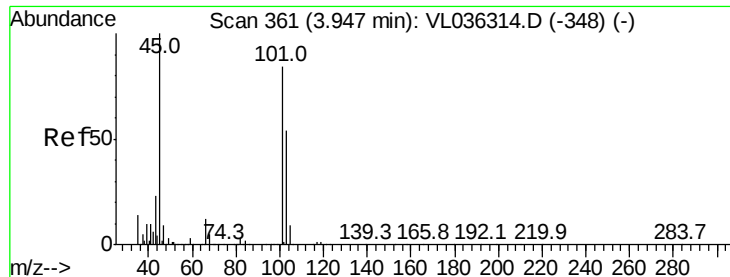


#18

1,1-Dichloroethene
Concen: 8.655 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion: 96 Resp: 586158
Ion Ratio Lower Upper
96 100
61 204.8 162.5 243.7
98 62.4 48.5 72.7





#19

Isopropyl Alcohol

Concen: 8.373 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 933468

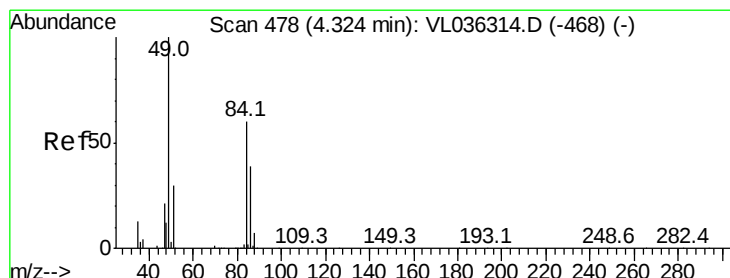
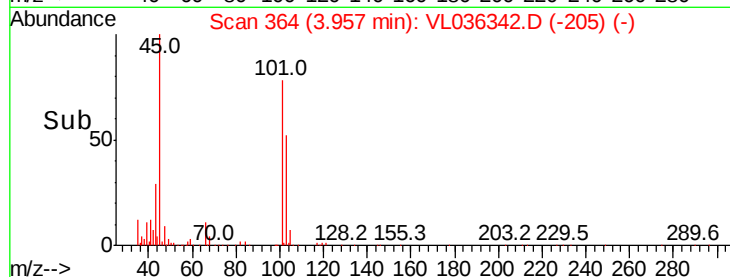
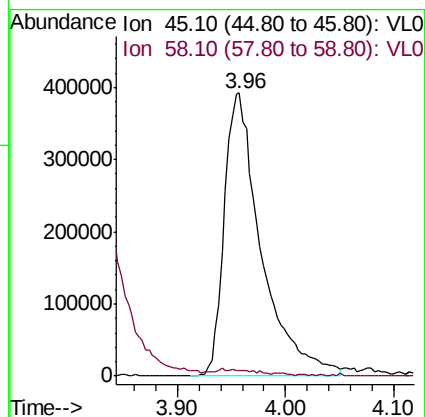
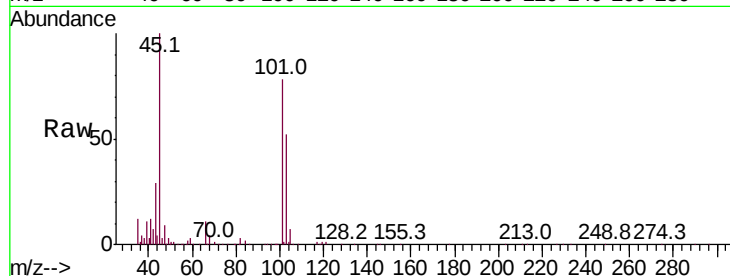
Ion Ratio Lower Upper

45 100

58 3.0 1.9 2.9#

Manual Integrations
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#20

Methylene Chloride

Concen: 7.879 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Tgt Ion: 84 Resp: 511509

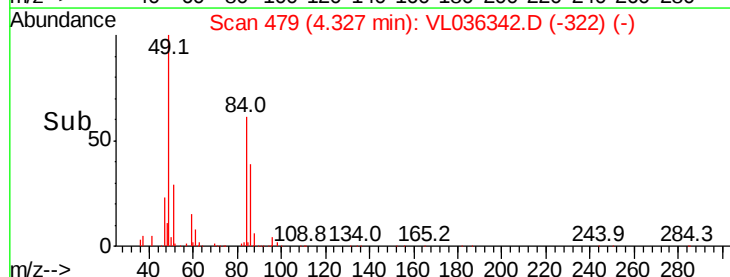
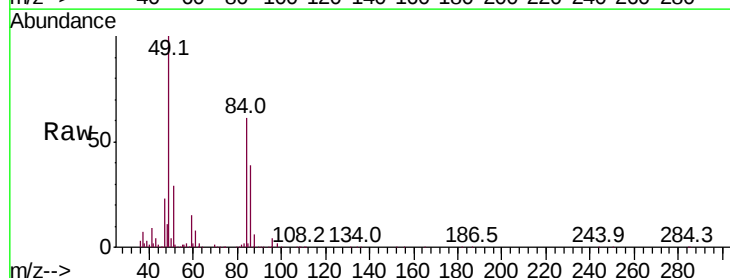
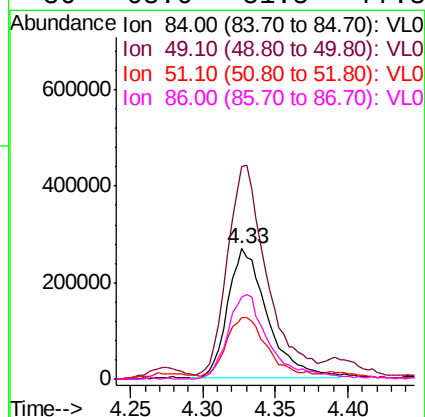
Ion Ratio Lower Upper

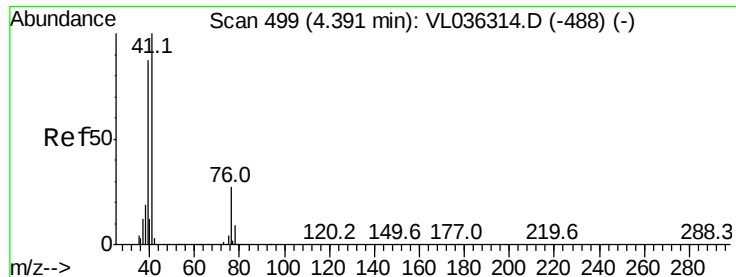
84 100

49 160.6 133.8 200.8

51 44.3 41.4 62.0

86 63.6 51.5 77.3





#21

Allvl Chloride

Concen: 9.018 ppbv

RT: 4.39 min Scan# 500

Delta R.T. 0.00 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 1010303

Ion Ratio Lower Upper

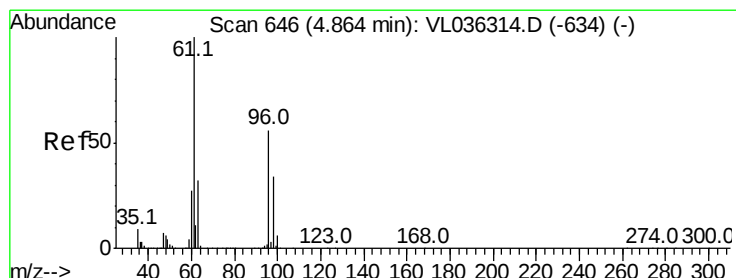
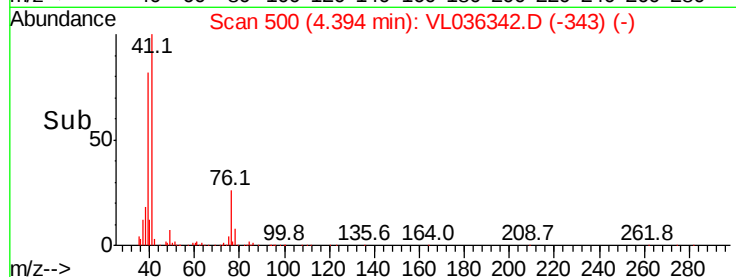
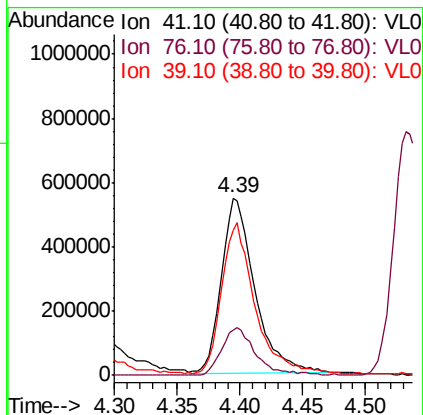
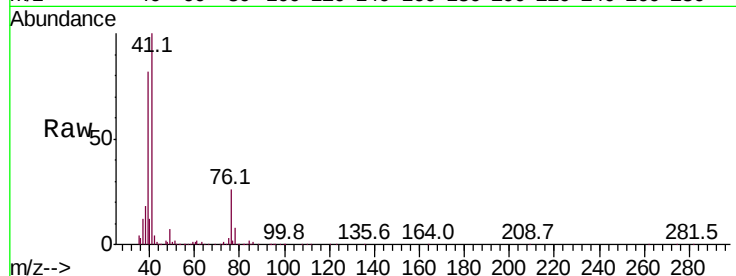
41 100

76 27.9 22.0 33.0

39 86.9 70.2 105.2

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#22

trans-1,2-Dichloroethene

Concen: 9.430 ppbv

RT: 4.87 min Scan# 647

Delta R.T. 0.00 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

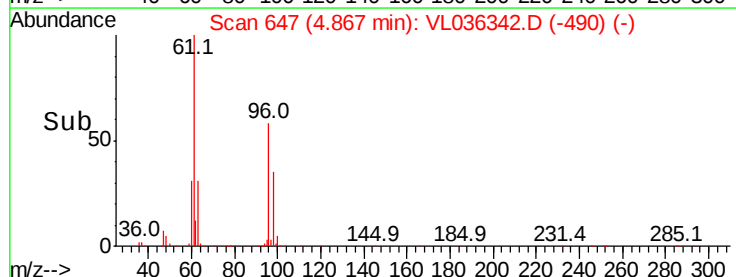
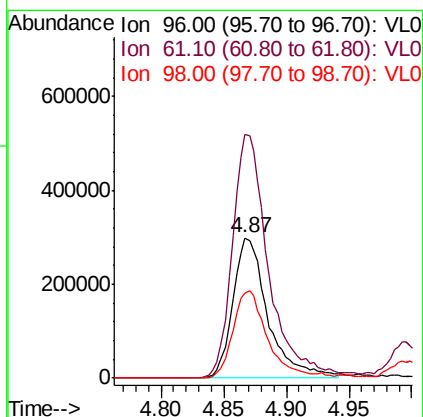
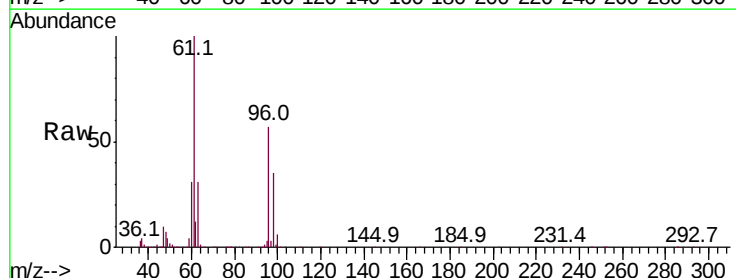
Tgt Ion: 96 Resp: 580141

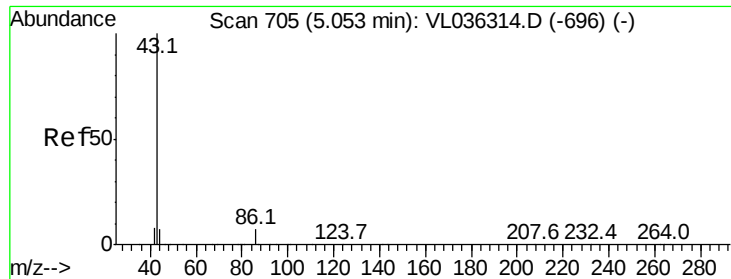
Ion Ratio Lower Upper

96 100

61 174.0 143.7 215.5

98 60.3 48.5 72.7





#23

Vinyl Acetate

Concen: 8.788 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2079175

Ion Ratio Lower Upper

43 100

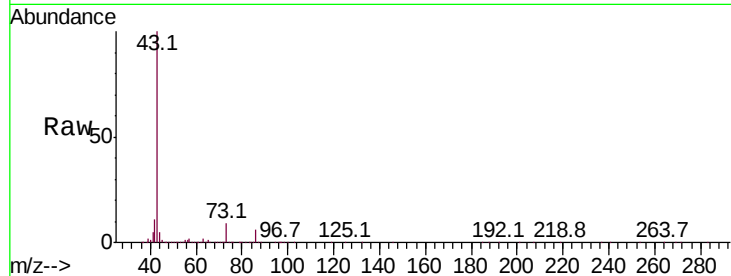
86 6.0 4.8 7.2

42 10.9 7.4 11.0

44 4.8 4.8 7.2

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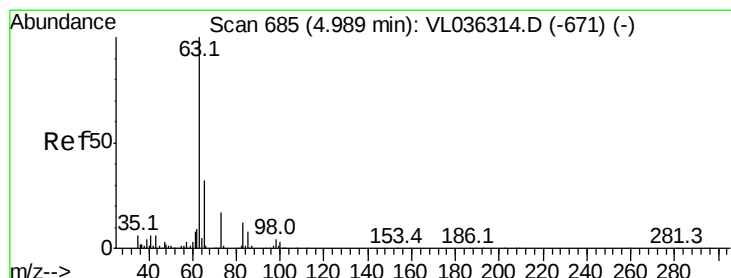
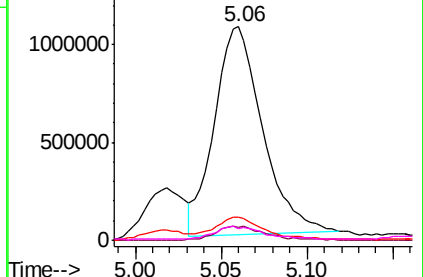
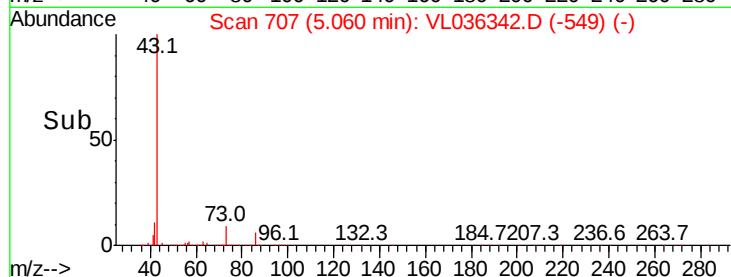


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.777 ppbv

RT: 5.00 min Scan# 688

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

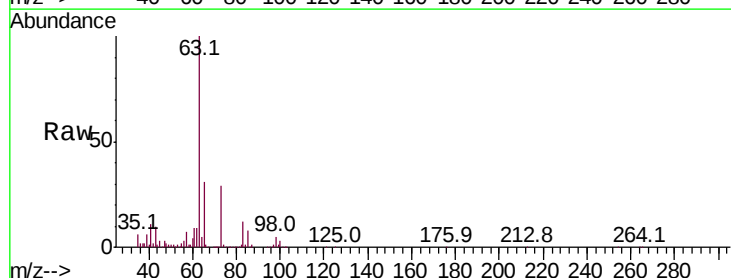
Tgt Ion: 63 Resp: 1535783

Ion Ratio Lower Upper

63 100

98 4.2 2.0 6.0

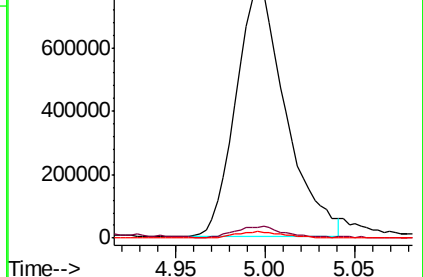
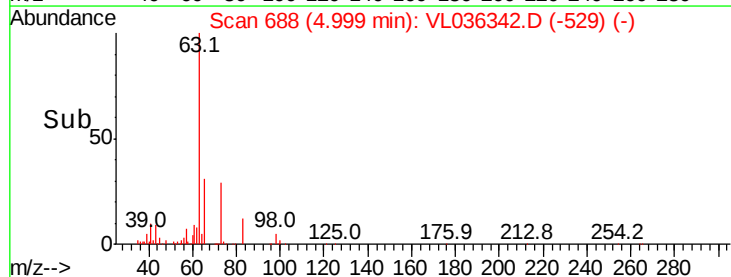
100 2.4 1.5 4.4

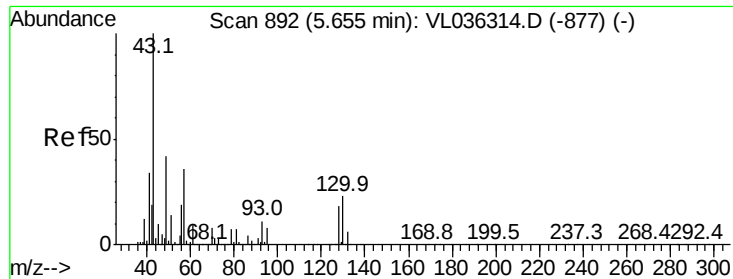


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





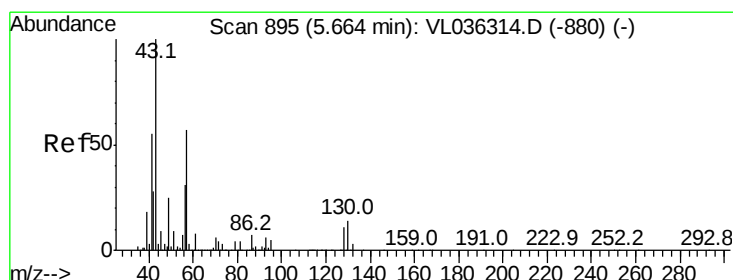
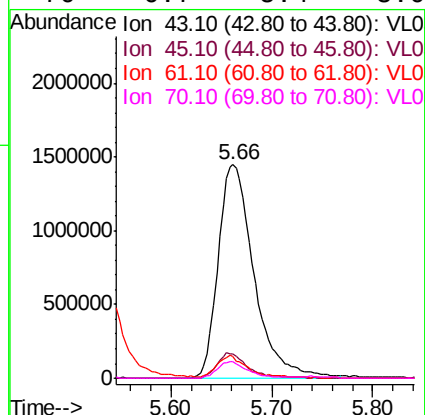
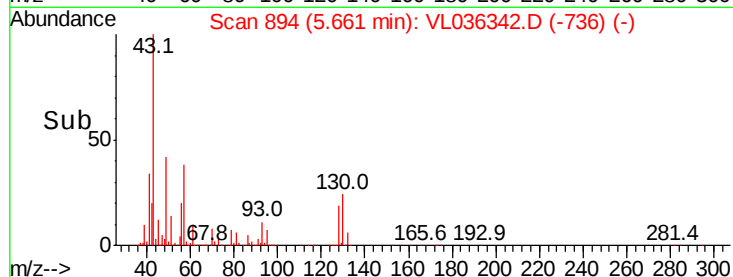
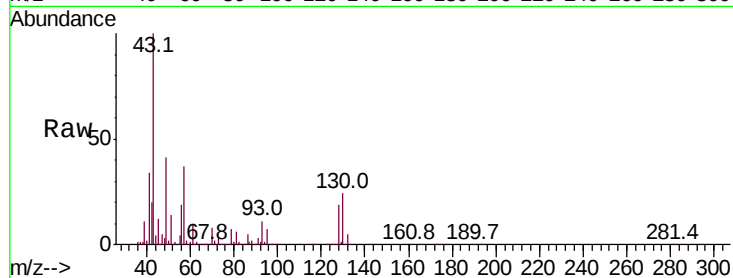
#25
Ethyl Acetate
Concen: 9.173 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.5	8.3	12.5	
61	9.3	7.3	10.9	
70	6.7	5.4	8.0	

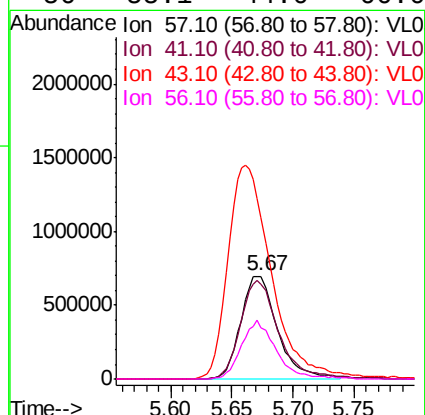
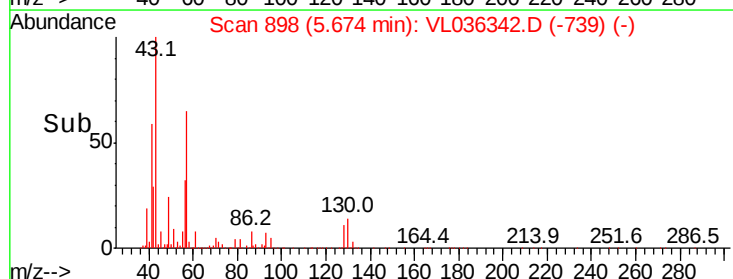
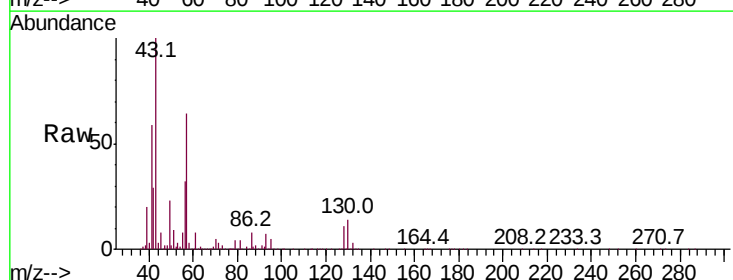
Manual Integrations
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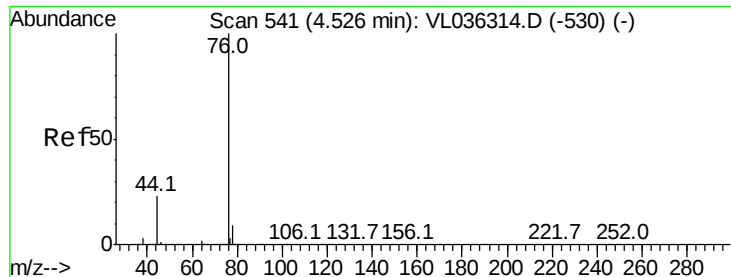
MMDadoda
2/12/2021 1:42:55 PM



#26
Hexane
Concen: 9.048 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	101.2	81.7	122.5	
43	249.9	199.1	298.7	
56	55.1	44.0	66.0	





#27

Carbon Disulfide

Concen: 10.276 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

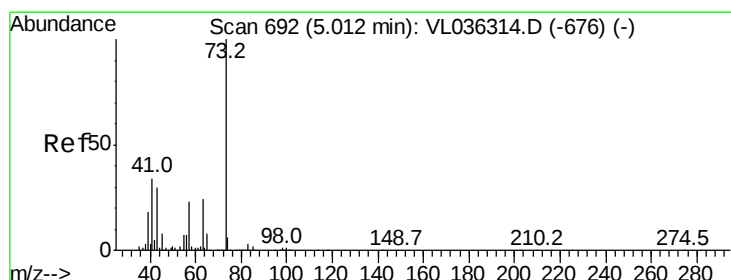
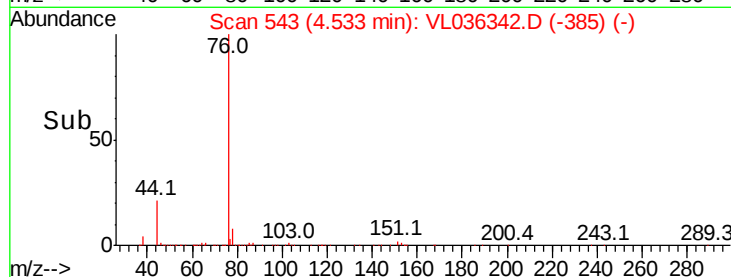
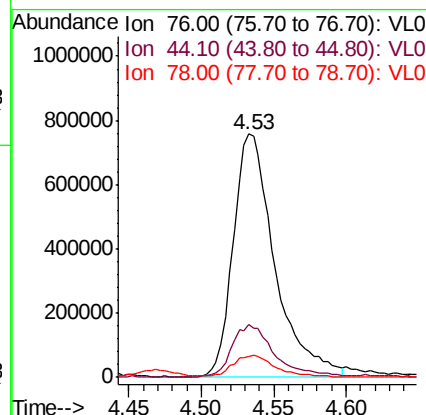
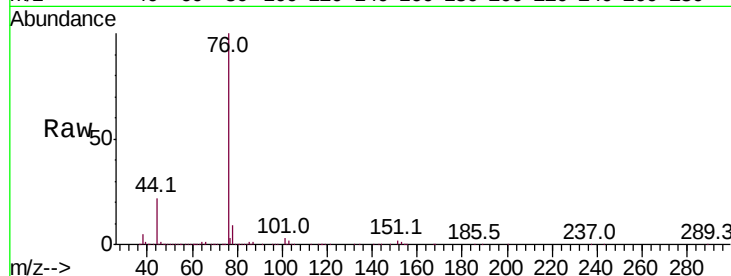
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1507493

Ion	Ratio	Lower	Upper
76	100		
44	22.2	18.4	27.6
78	9.8	8.0	12.0

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#28

Methyl tert-Butyl Ether

Concen: 9.456 ppbv

RT: 5.02 min Scan# 693

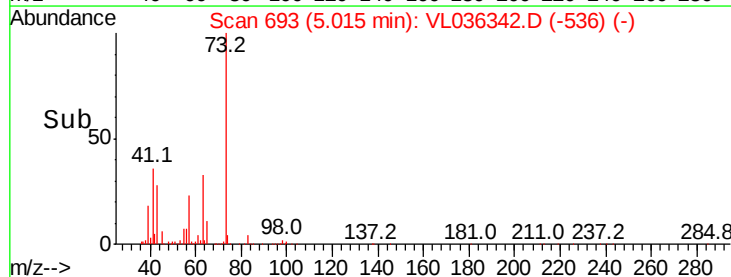
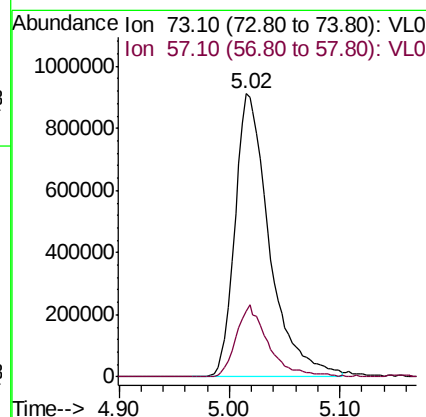
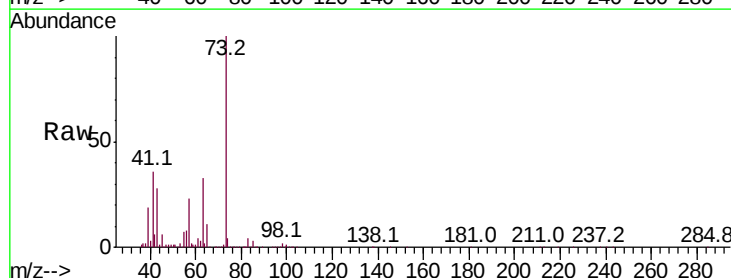
Delta R.T. 0.00 min

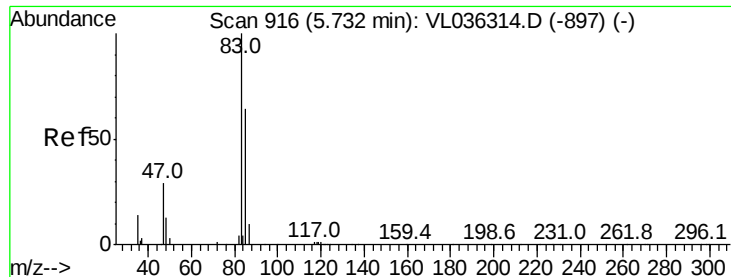
Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Tgt Ion: 73 Resp: 1971587

Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.2	28.8





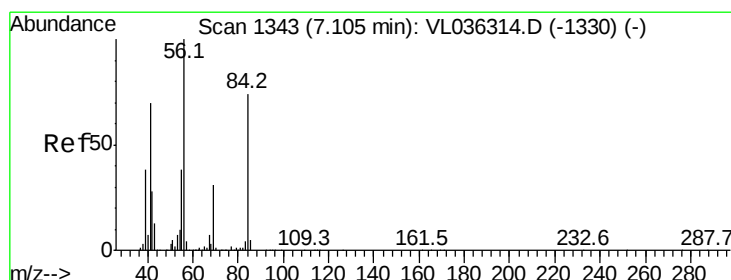
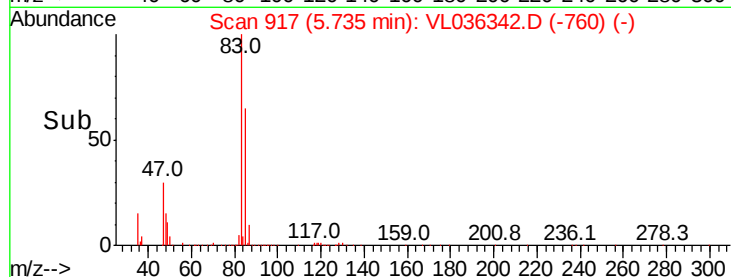
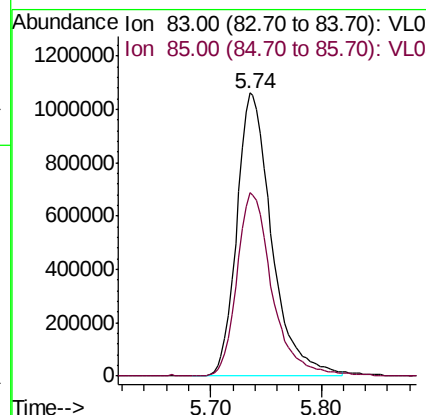
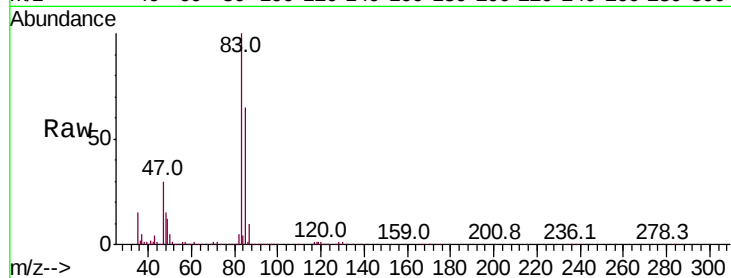
#29
Chloroform
Concen: 9.076 ppbv
RT: 5.74 min Scan# 917
Delta R.T. 0.00 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2333968
Ion Ratio Lower Upper
83 100
85 64.5 51.4 77.2

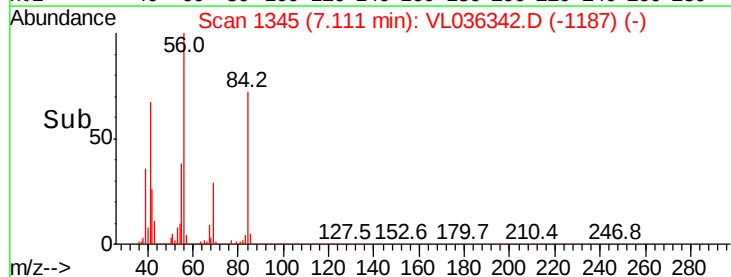
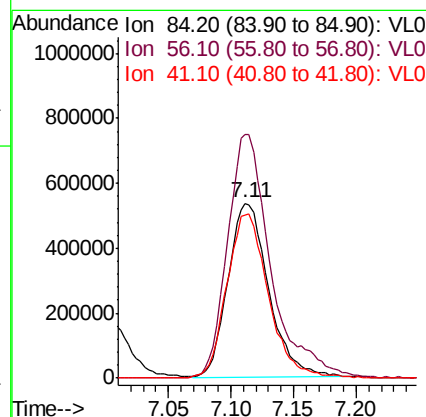
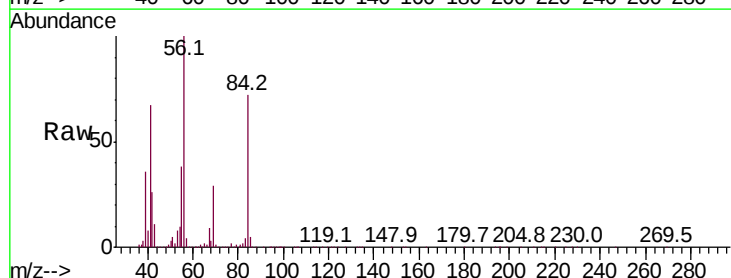
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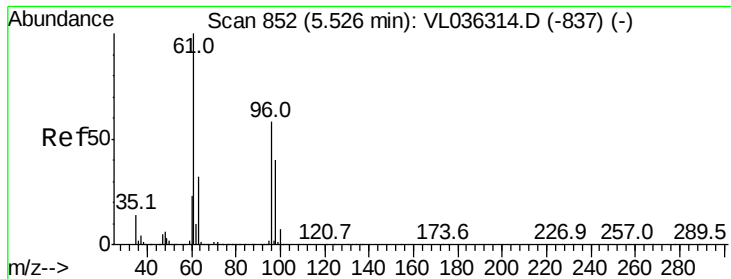
MMDadoda
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#30
Cyclohexane
Concen: 9.065 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion: 84 Resp: 1203304
Ion Ratio Lower Upper
84 100
56 151.1 120.2 180.4
41 97.0 79.7 119.5





#31

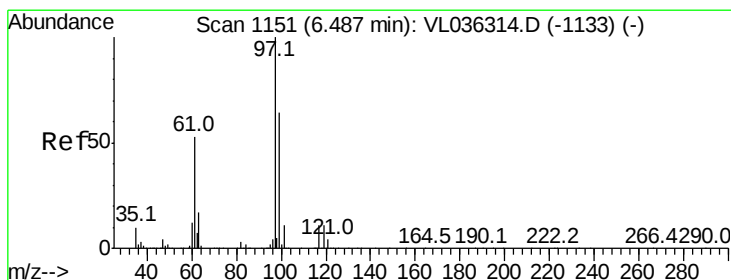
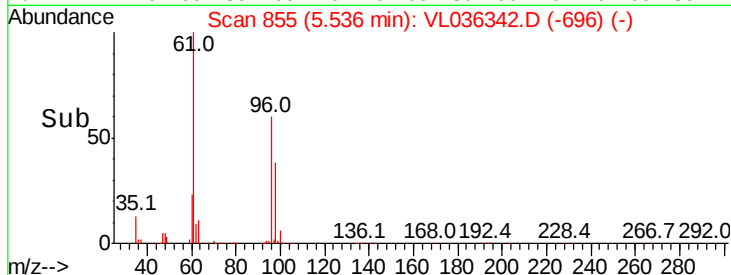
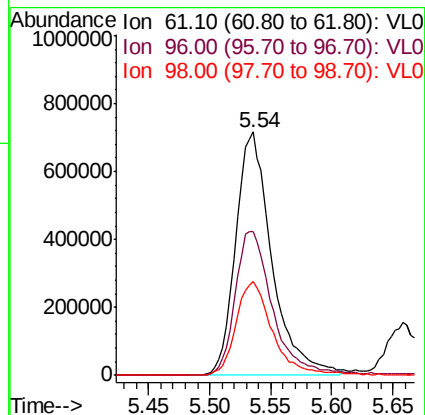
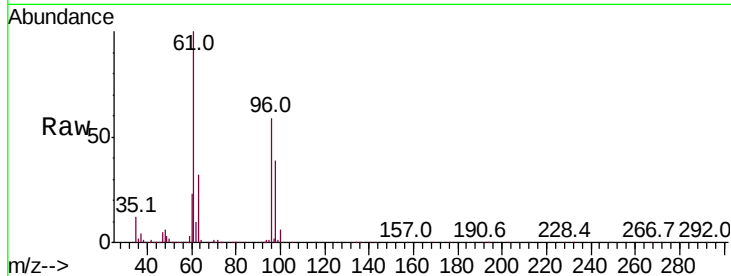
cis-1,2-Dichloroethene
 Concen: 9.309 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	59.0	46.0	69.0
98	38.6	31.9	47.9

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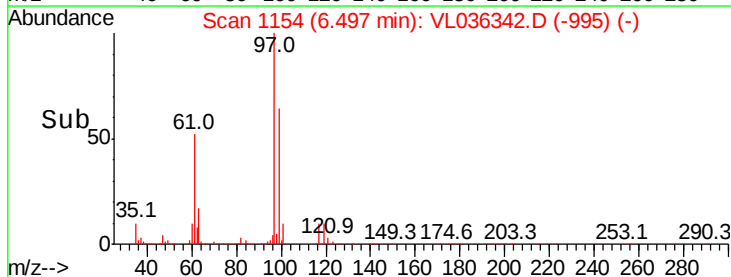
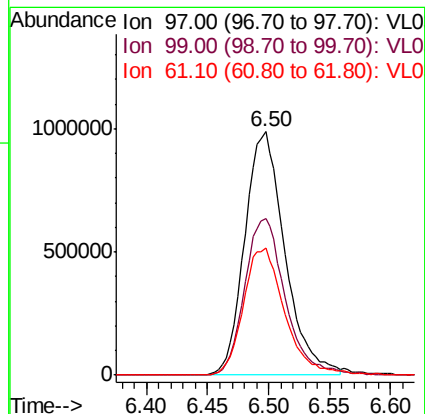
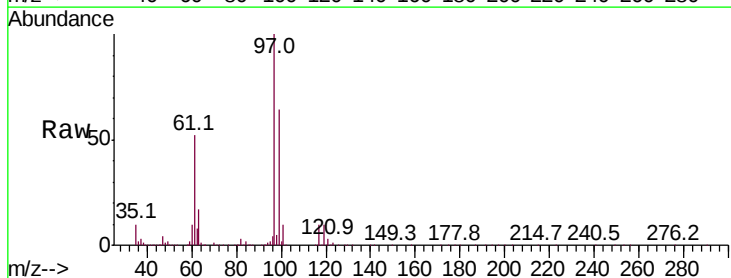
MMDadoda
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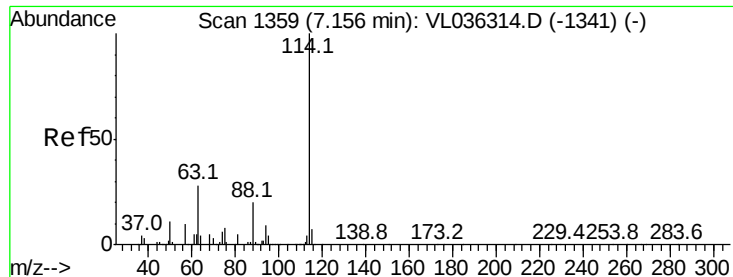


#32

1,1,1-Trichloroethane
 Concen: 9.326 ppbv
 RT: 6.50 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.2	78.4
61	53.9	43.3	64.9





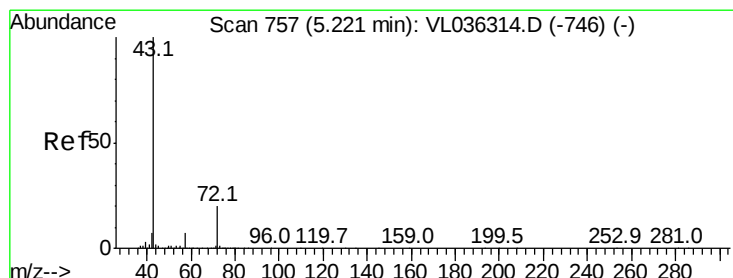
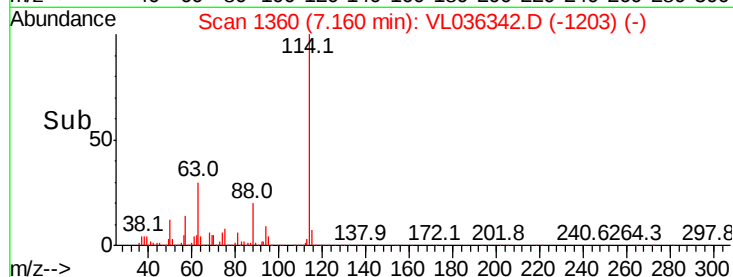
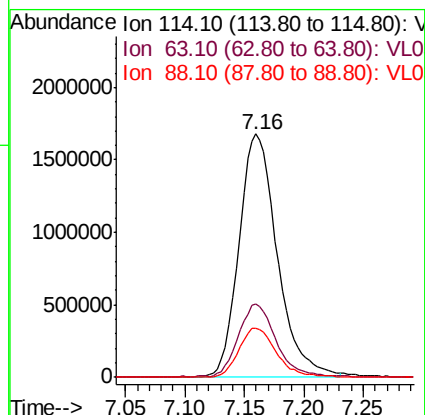
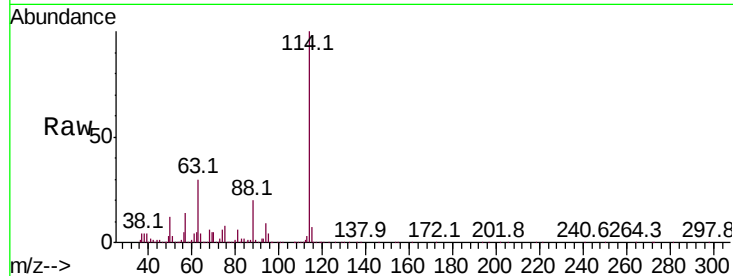
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 3742243
 Ion Ratio Lower Upper
 114 100
 63 30.4 24.1 36.1
 88 20.2 16.0 24.0

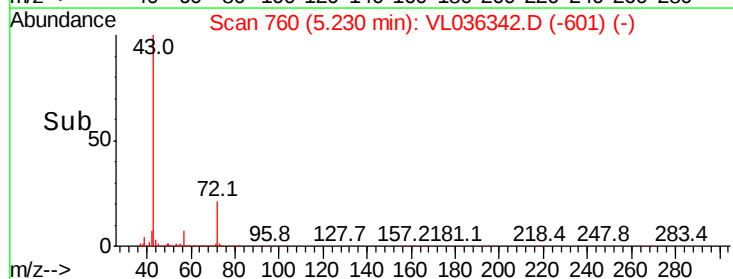
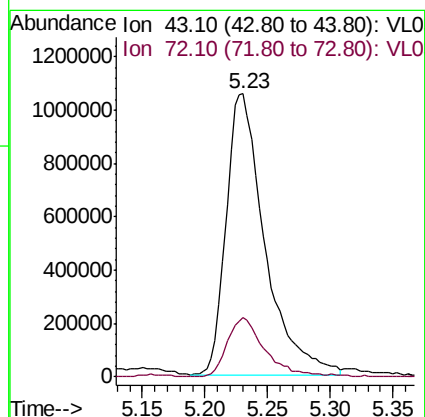
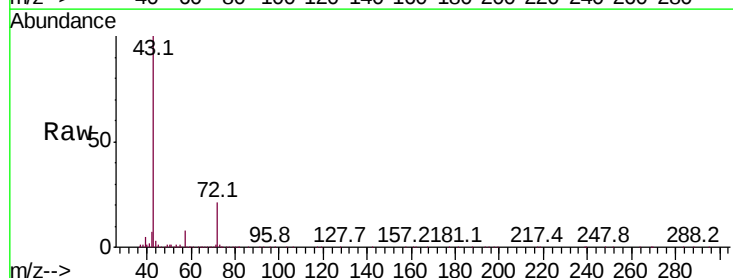
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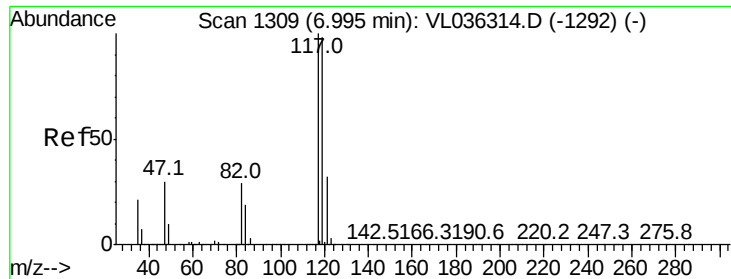
MMDadoda
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#34
 2-Butanone
 Concen: 9.071 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion: 43 Resp: 2255339
 Ion Ratio Lower Upper
 43 100
 72 20.6 16.7 25.1





#35

Carbon Tetrachloride

Concen: 9.210 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2310047

Ion Ratio Lower Upper

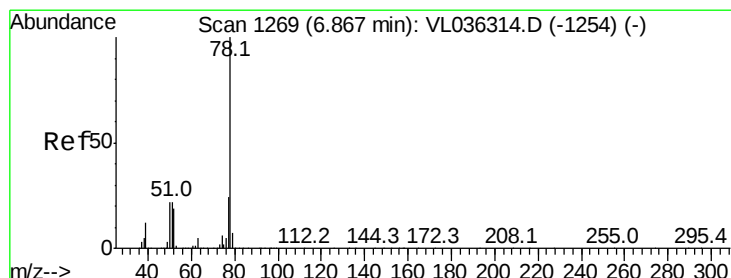
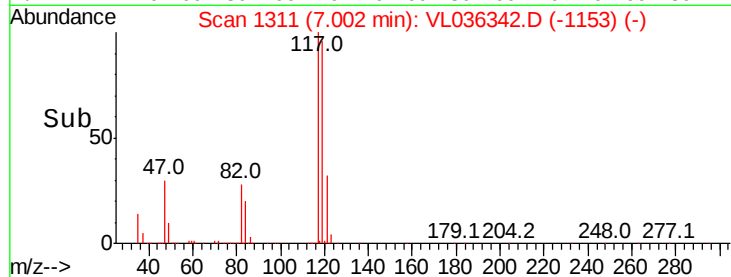
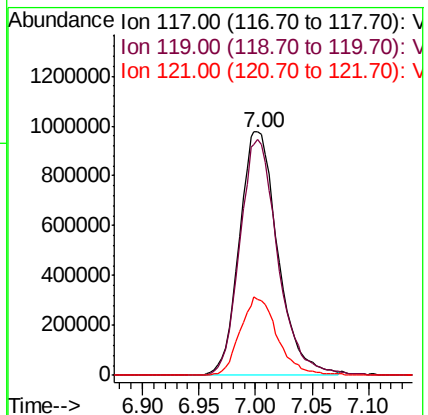
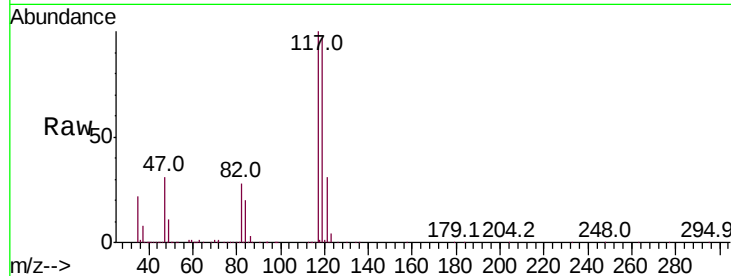
117 100

119 96.8 78.1 117.1

121 31.4 25.8 38.8

Manual Integrations
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#36

Benzene

Concen: 9.528 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

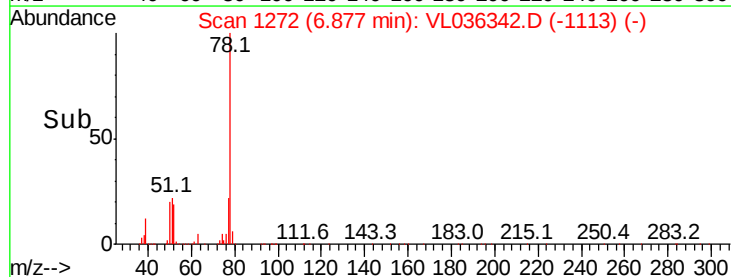
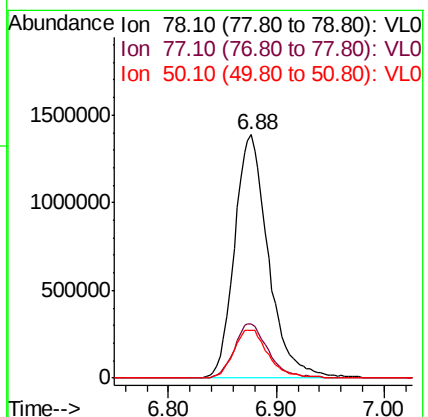
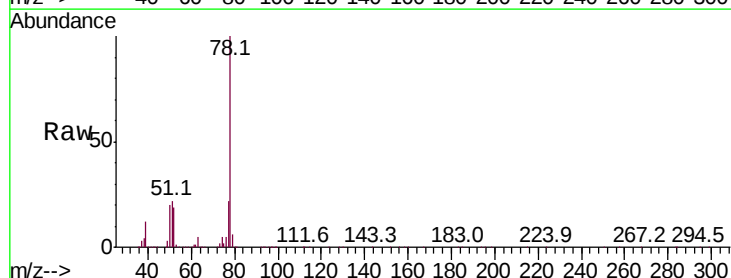
Tgt Ion: 78 Resp: 3028985

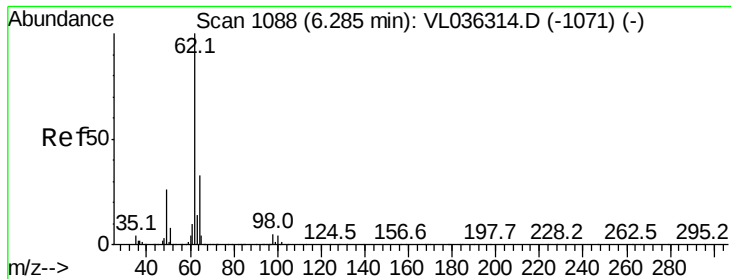
Ion Ratio Lower Upper

78 100

77 22.1 18.9 28.3

50 19.6 17.3 25.9





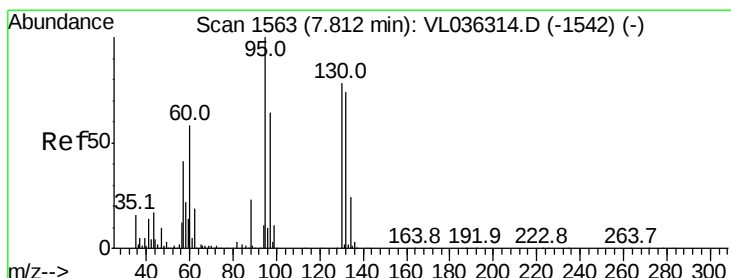
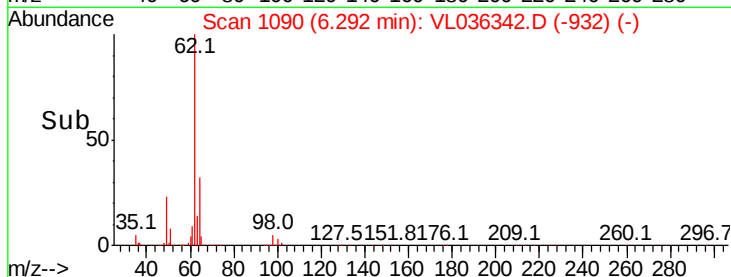
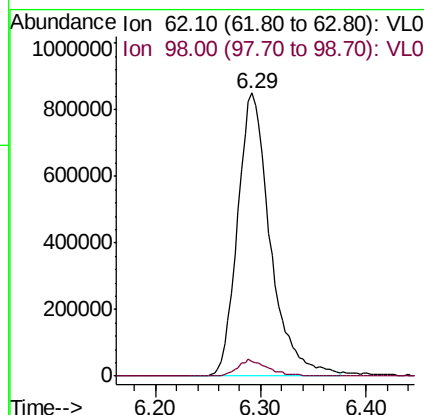
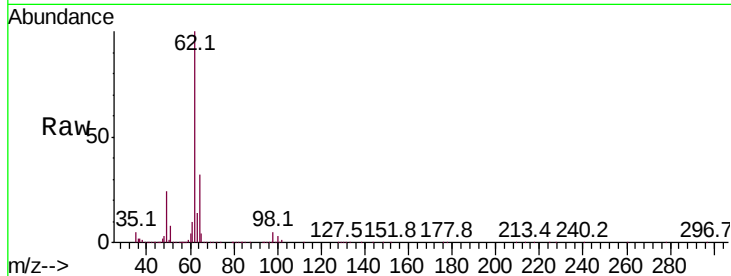
#37
 1,2-Dichloroethane
 Concen: 9.325 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1832829
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.5 6.7

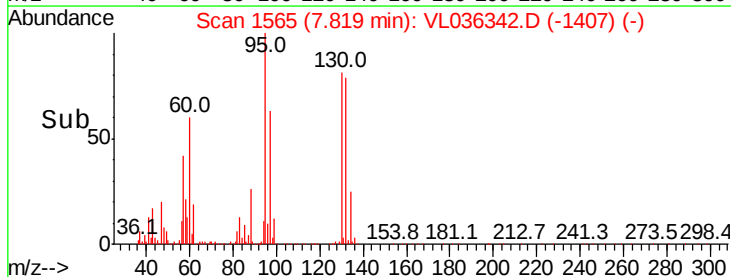
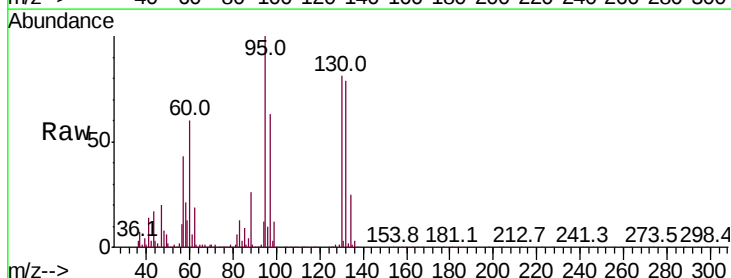
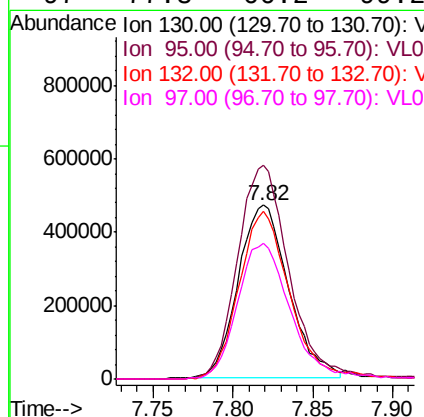
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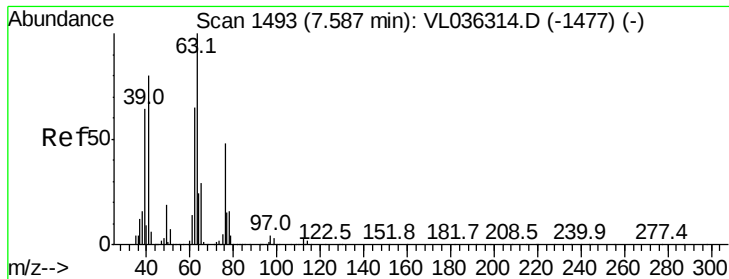
MMDadoda
 2/12/2021 1:42:55 PM



#38
 Trichloroethene
 Concen: 8.877 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion: 130 Resp: 1010972
 Ion Ratio Lower Upper
 130 100
 95 123.2 102.8 154.2
 132 96.9 75.7 113.5
 97 77.8 66.2 99.2





#39

1,2-Dichloropropane

Concen: 9.339 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VL036342.D

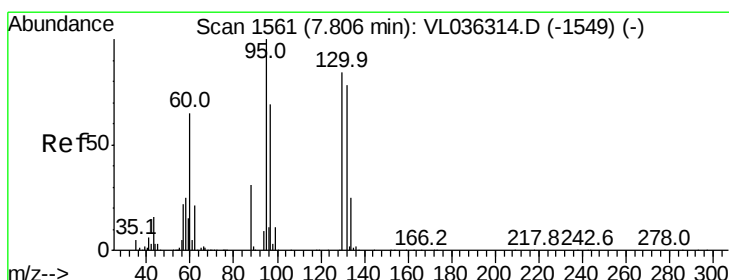
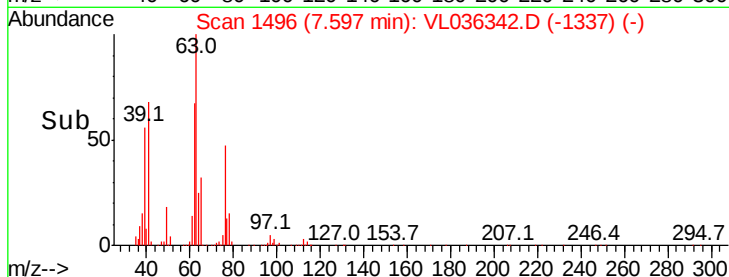
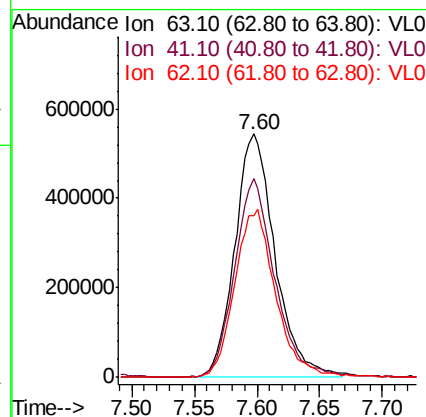
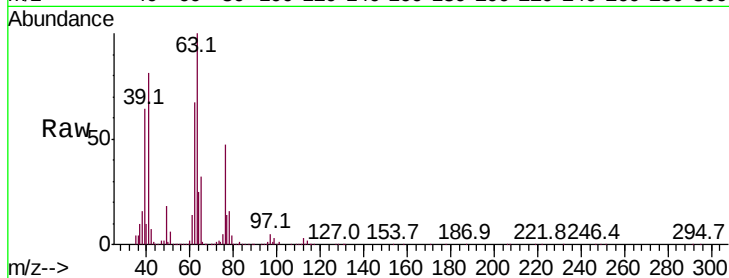
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	81.1	63.8	95.6
62	66.7	52.3	78.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 3.211 ppbv

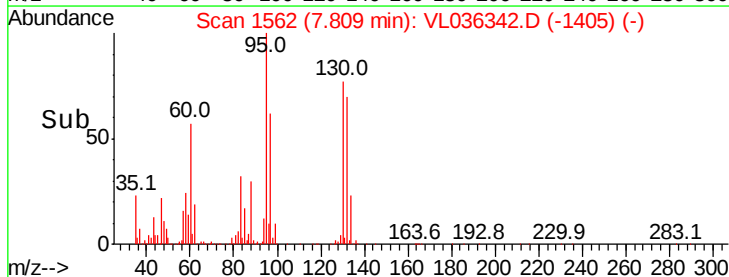
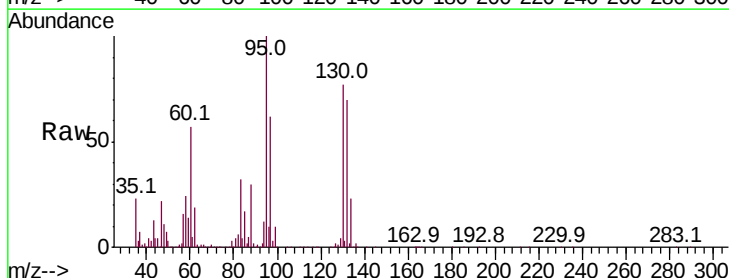
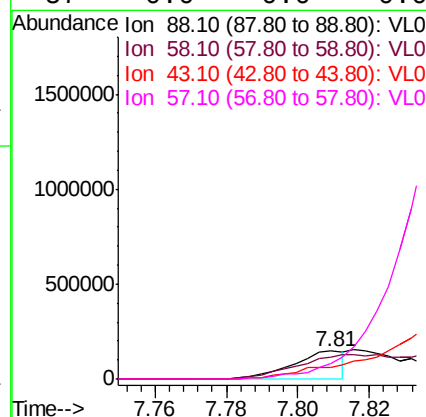
RT: 7.81 min Scan# 1562

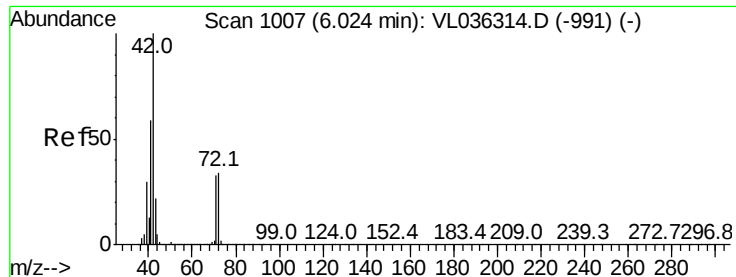
Delta R.T. 0.00 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	45.0	67.4#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





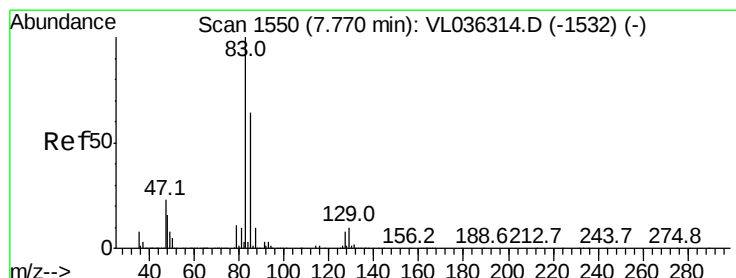
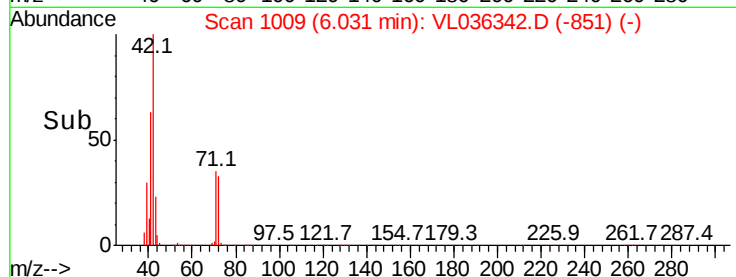
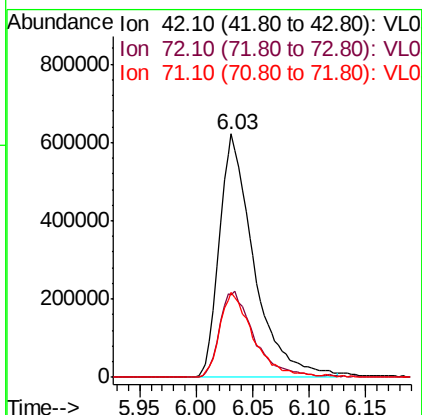
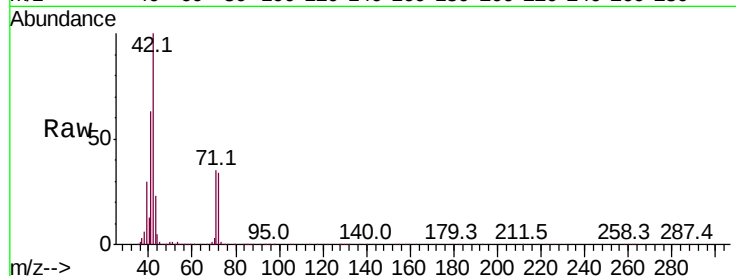
#41
Tetrahydrofuran
Concen: 9.508 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.3	29.3	43.9
71	34.9	27.8	41.8

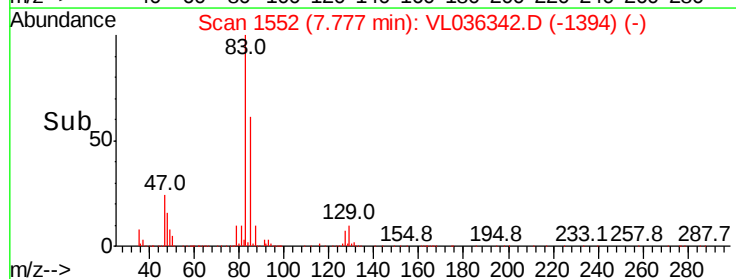
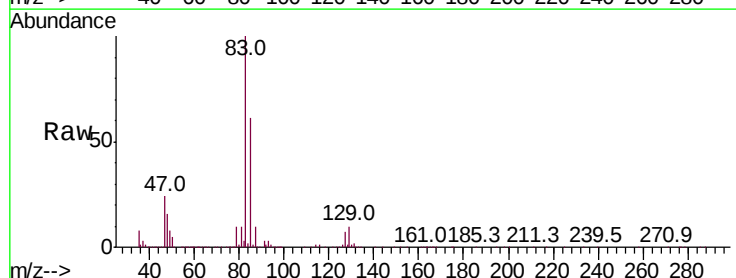
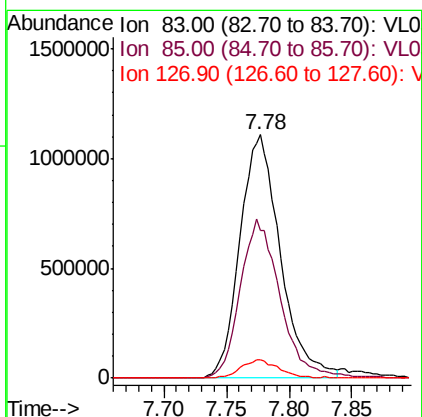
Manual Integrations
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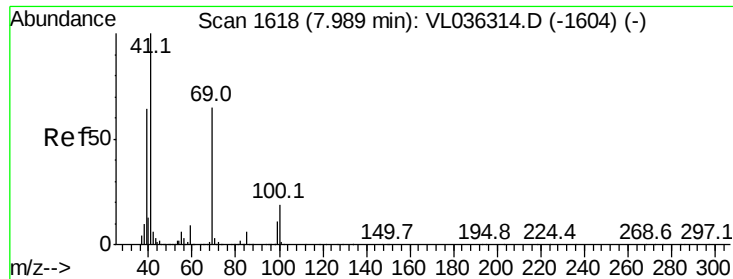
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2/12/2021 1:42:55 PM



#42
Bromodichloromethane
Concen: 9.434 ppbv
RT: 7.78 min Scan# 1552
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.6	51.1	76.7
127	7.3	6.3	9.5





#43

Methyl Methacrylate

Concen: 10.074 ppbv

RT: 8.00 min Scan# 1620

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L

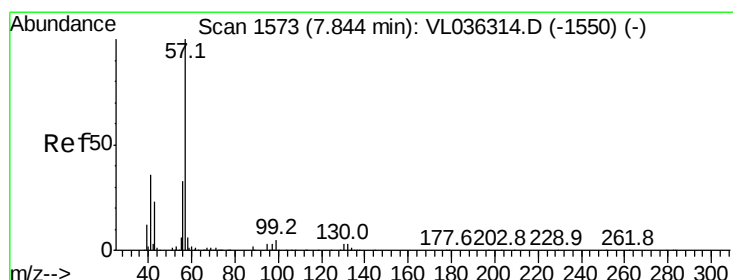
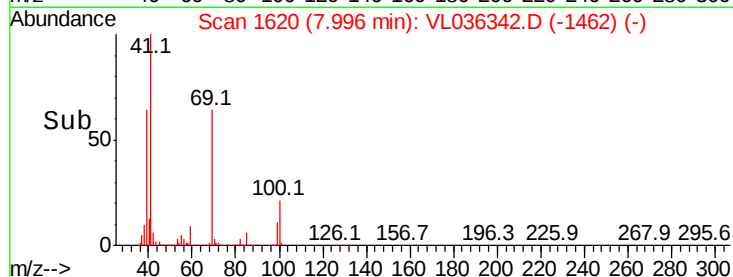
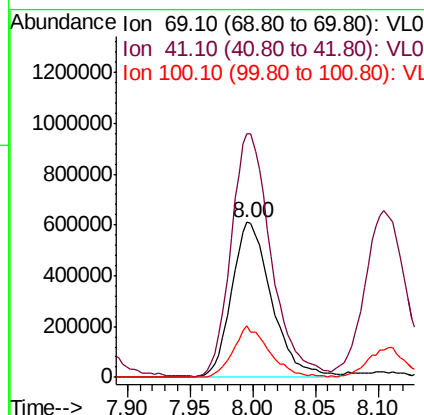
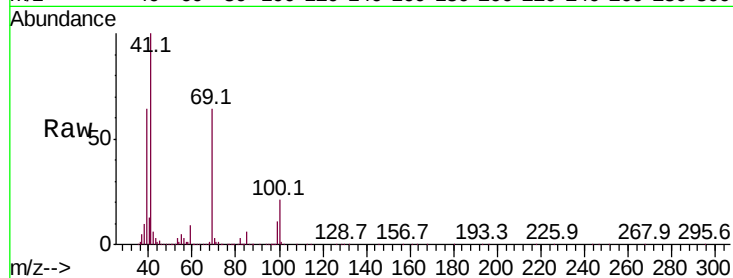
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1350609

Ion	Ratio	Lower	Upper
69	100		
41	157.8	126.5	189.7
100	30.0	23.1	34.7

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 9.004 ppbv

RT: 7.85 min Scan# 1575

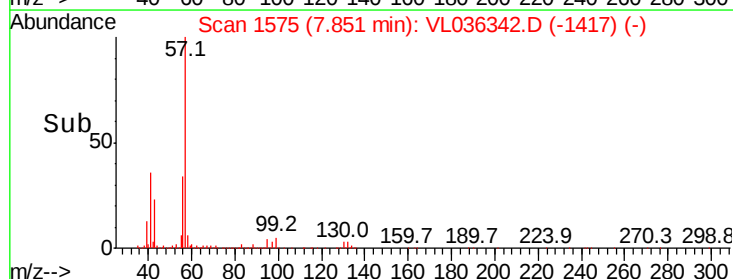
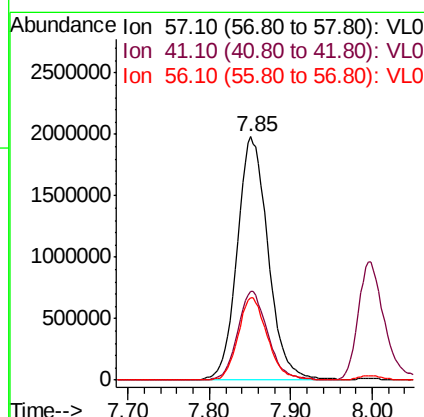
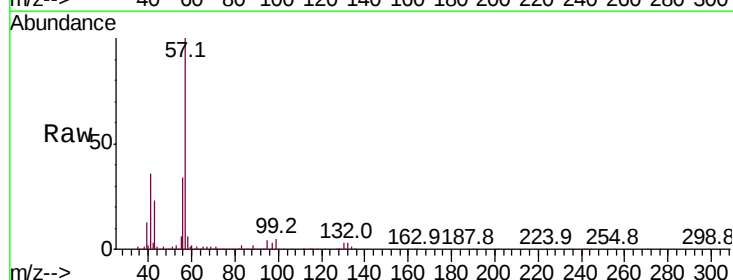
Delta R.T. 0.01 min

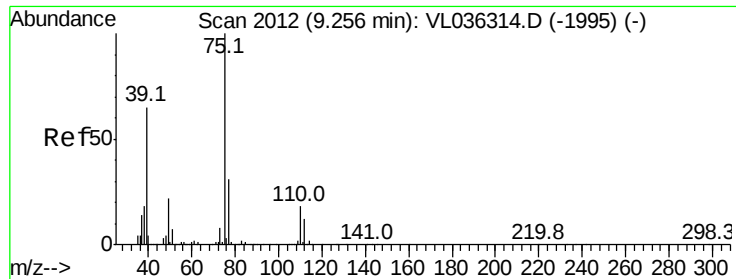
Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Tgt Ion: 57 Resp: 5204422

Ion	Ratio	Lower	Upper
57	100		
41	35.5	28.8	43.2
56	32.4	25.8	38.6





#45

t-1,3-Dichloropropene

Concen: 10.782 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1394353

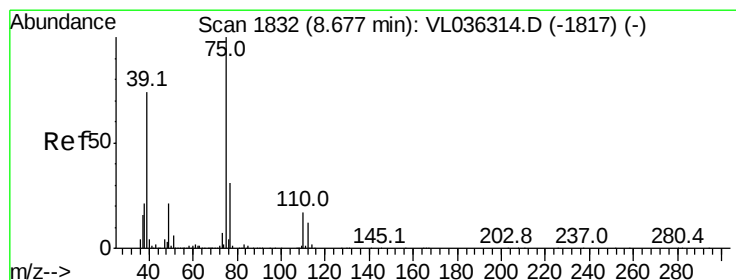
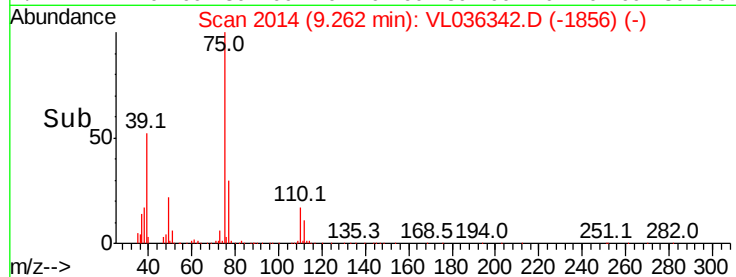
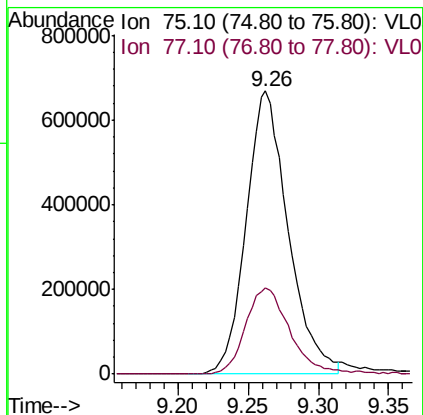
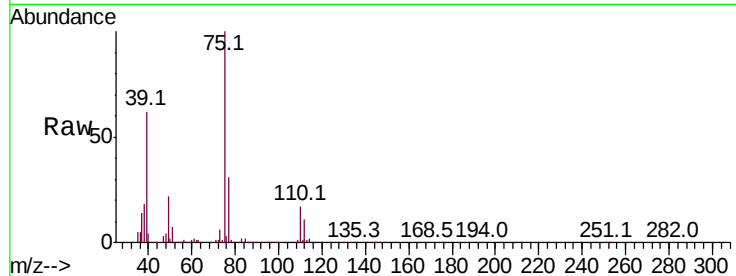
Ion Ratio Lower Upper

75 100

77 30.5 24.6 37.0

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#46

cis-1,3-Dichloropropene

Concen: 10.370 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

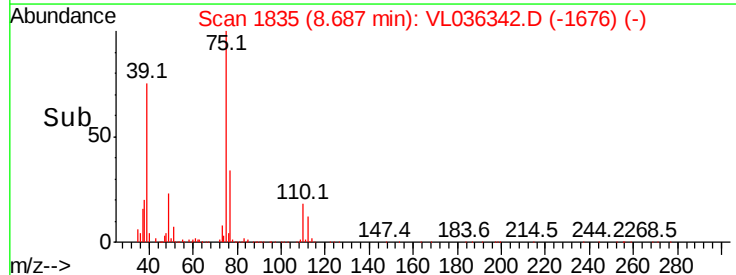
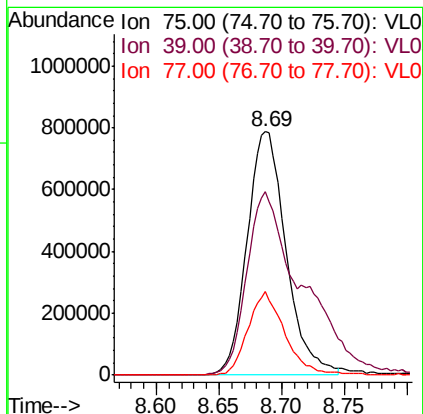
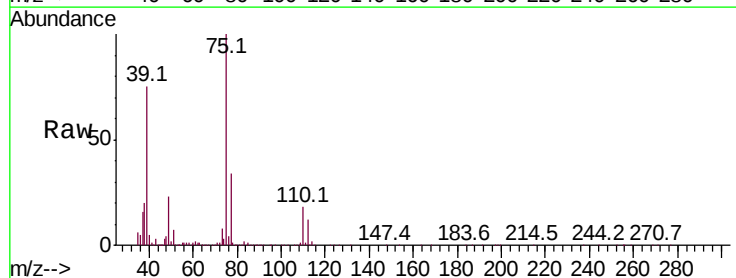
Tgt Ion: 75 Resp: 1703565

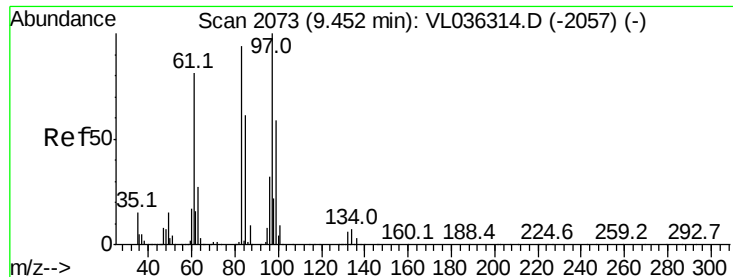
Ion Ratio Lower Upper

75 100

39 75.3 59.2 88.8

77 34.1 25.0 37.6





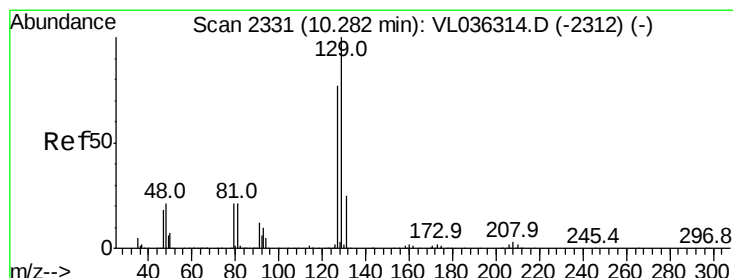
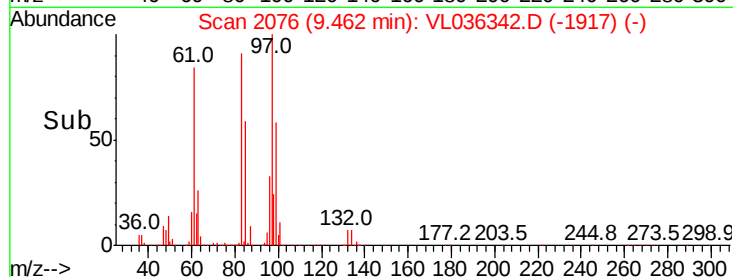
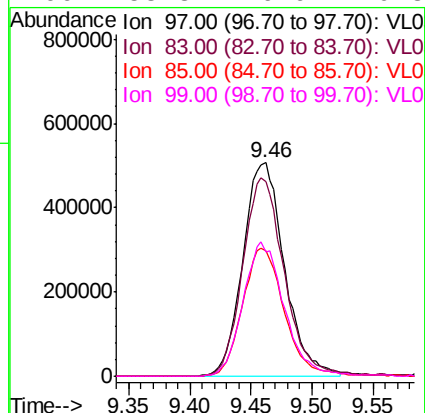
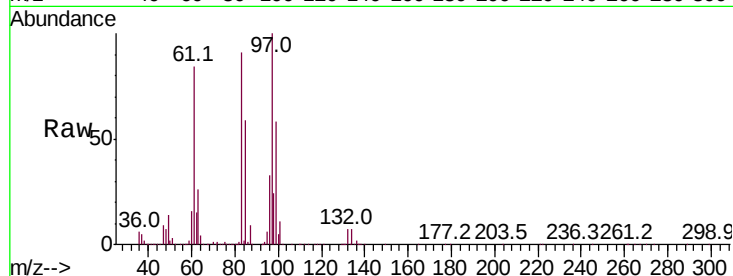
#47
 1,1,2-Trichloroethane
 Concen: 8.996 ppbv
 RT: 9.46 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	91.1	75.4	113.0	
85	58.5	48.9	73.3	
99	58.3	46.9	70.3	

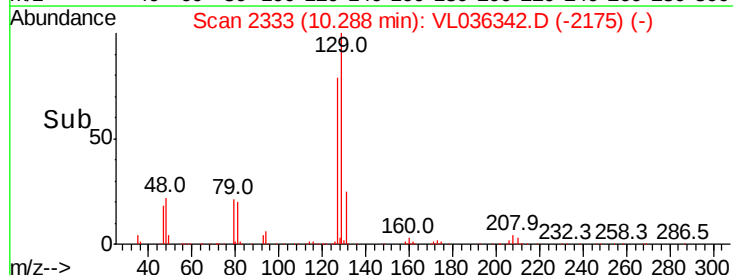
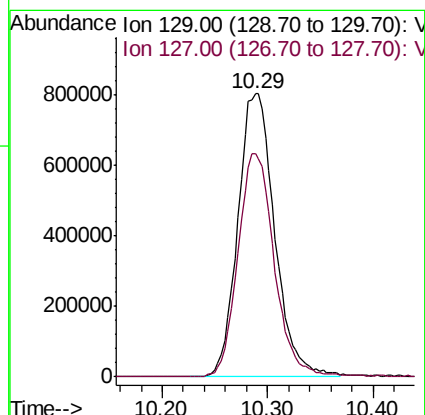
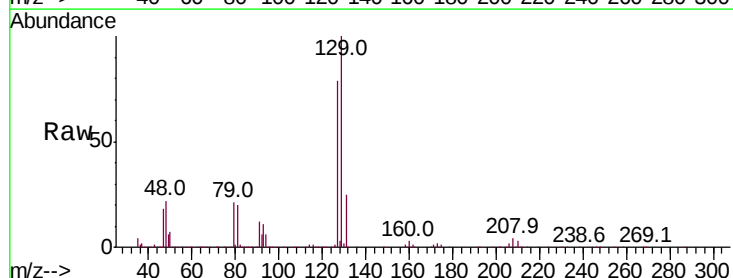
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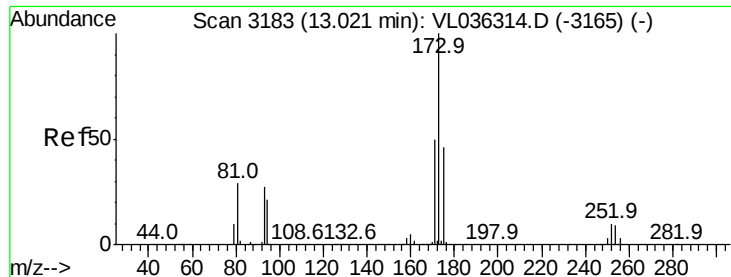
MMDadoda
 2/12/2021 1:42:55 PM



#48
 Dibromochloromethane
 Concen: 9.888 ppbv
 RT: 10.29 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.3	39.1	117.2	





#49

Bromoform

Concen: 9.773 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1558071

Ion Ratio Lower Upper

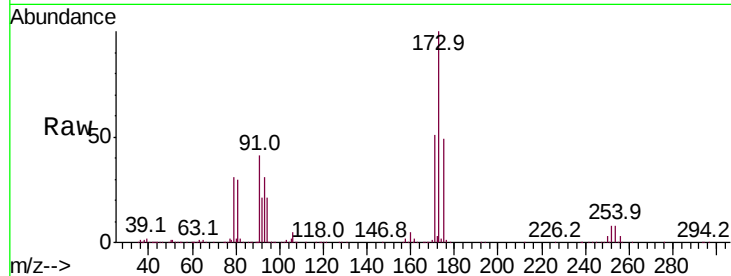
173 100

175 51.0 40.2 60.2

171 53.6 43.4 65.2

Manual Integrations
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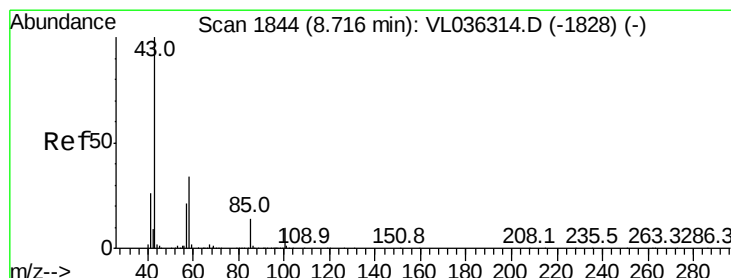
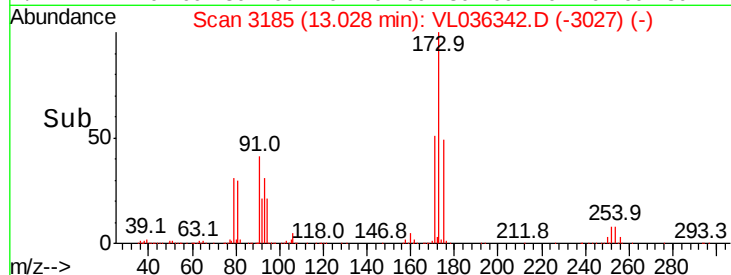
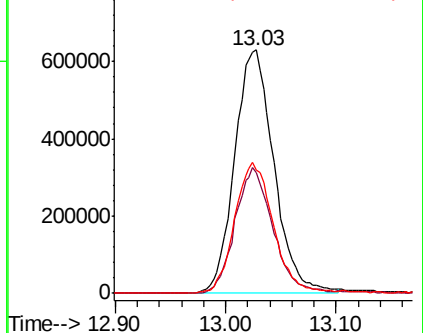
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.402 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. 0.01 min

Lab File: VL036342.D

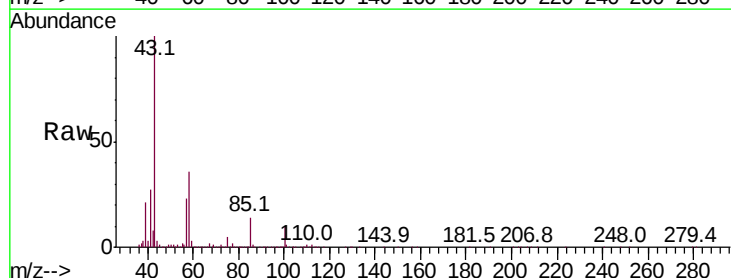
Acq: 11 Feb 2021 9:52

Tgt Ion: 43 Resp: 3470630

Ion Ratio Lower Upper

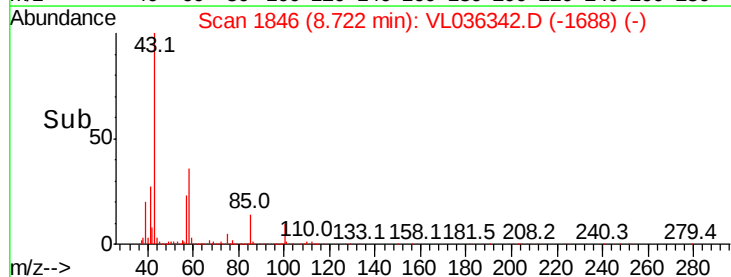
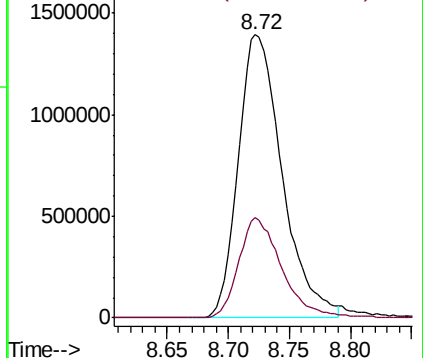
43 100

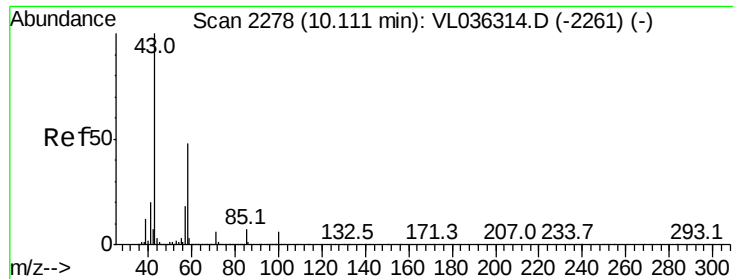
58 35.0 27.8 41.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.170 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 2852361

Ion Ratio Lower Upper

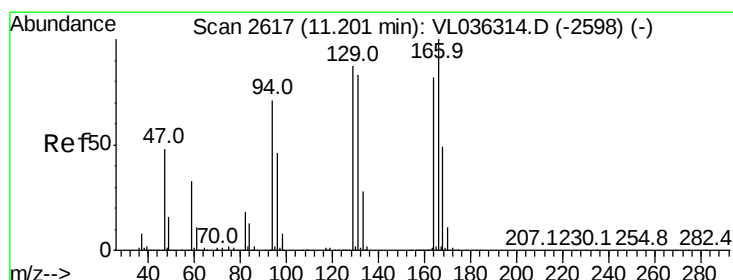
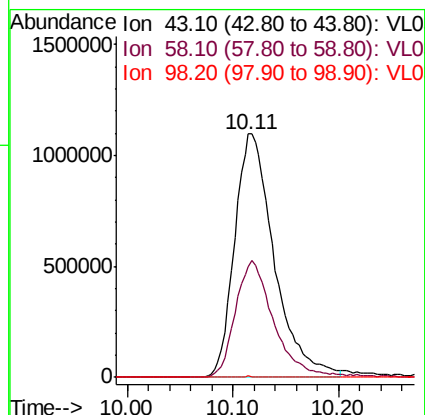
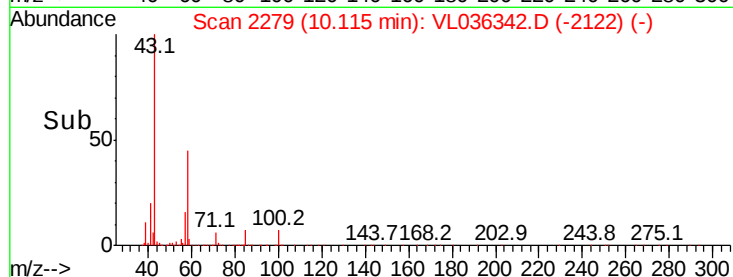
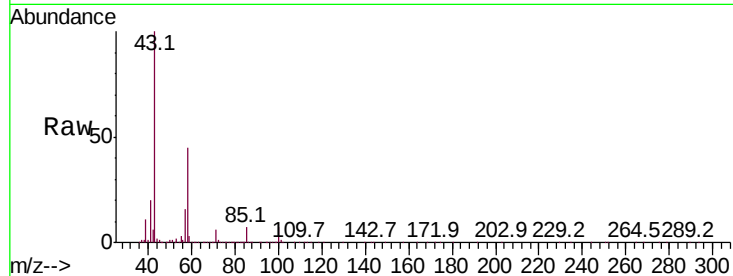
43 100

58 47.2 38.7 58.1

98 0.3 0.4 0.6#

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.346 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. 0.00 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Tgt Ion: 164 Resp: 971278

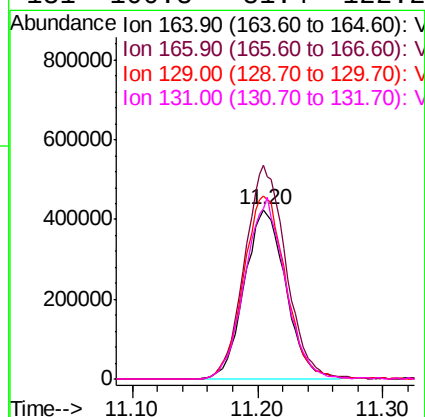
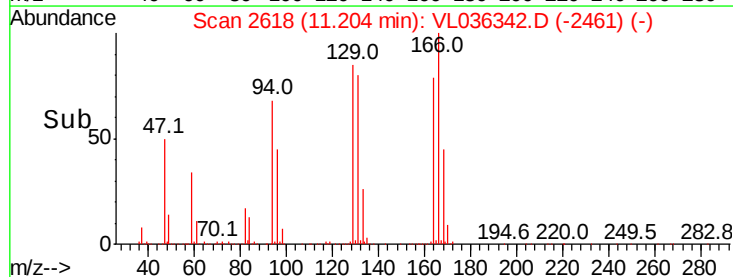
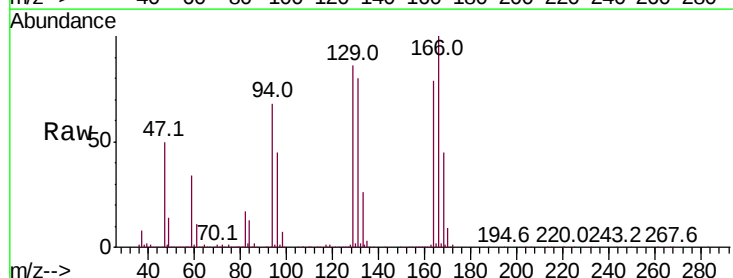
Ion Ratio Lower Upper

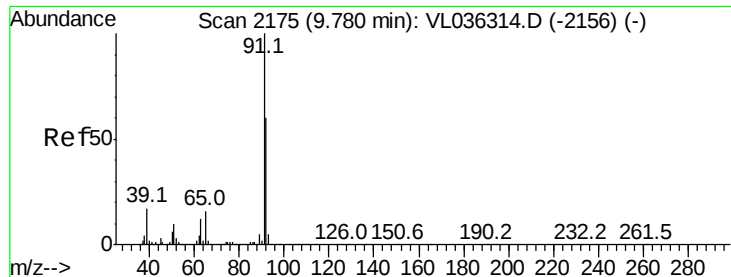
164 100

166 126.1 97.8 146.8

129 108.0 84.9 127.3

131 100.8 81.4 122.2





#53

Toluene

Concen: 9.630 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3315767

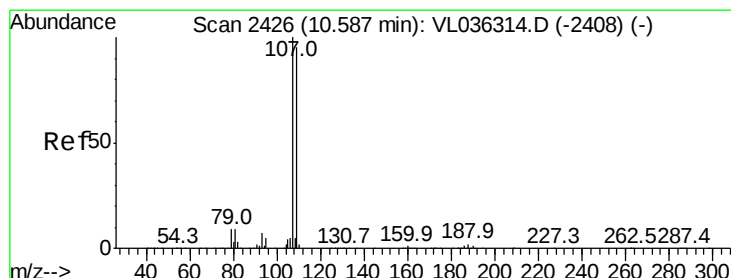
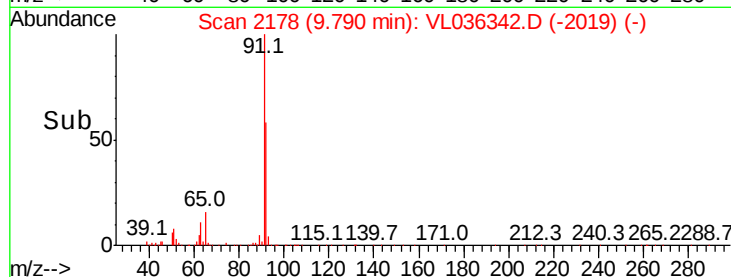
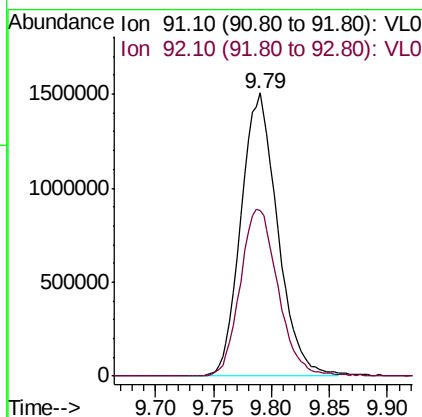
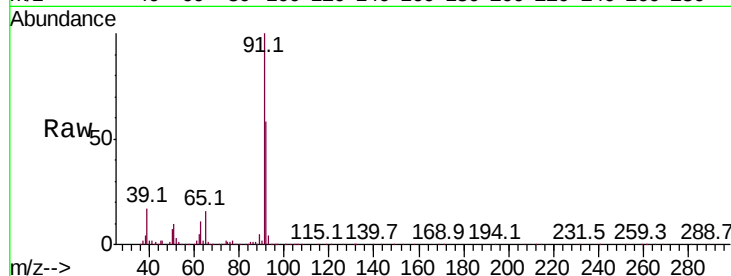
Ion Ratio Lower Upper

91 100

92 61.0 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.152 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. 0.01 min

Lab File: VL036342.D

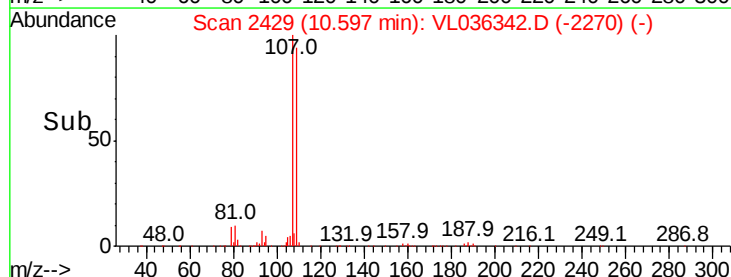
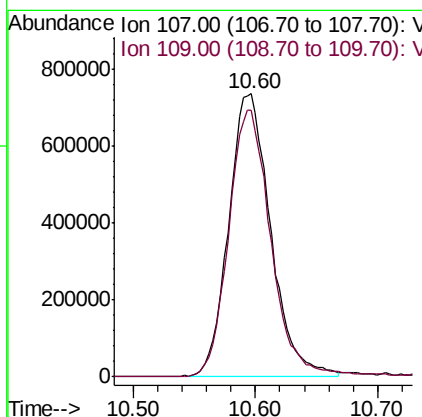
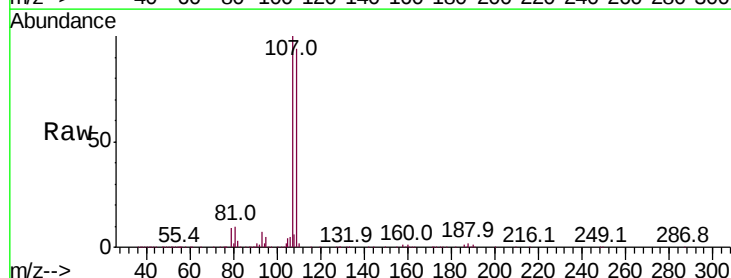
Acq: 11 Feb 2021 9:52

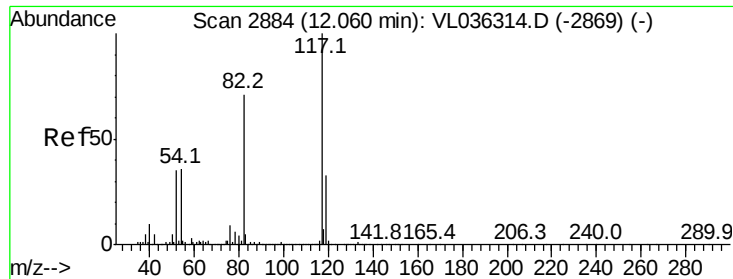
Tgt Ion: 107 Resp: 1747871

Ion Ratio Lower Upper

107 100

109 94.1 76.0 114.0





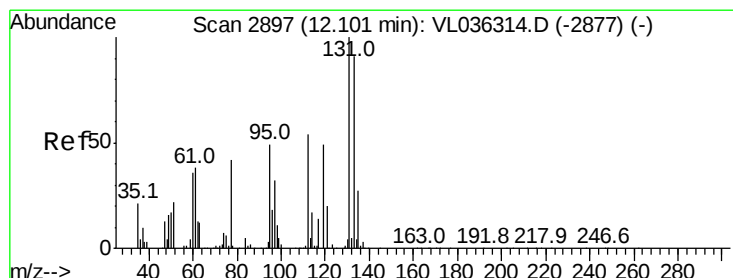
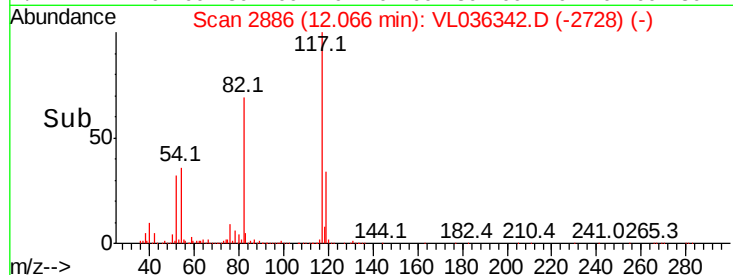
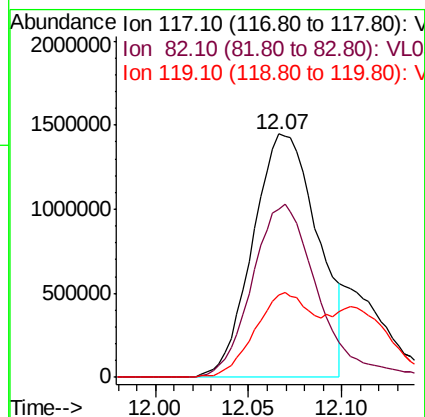
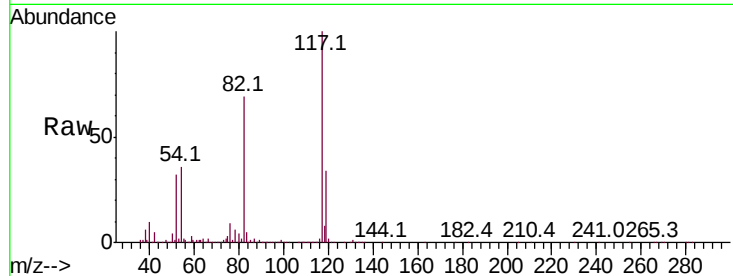
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3503360
Ion Ratio Lower Upper
117 100
82 73.1 59.1 88.7
119 35.0 46.3 69.5#

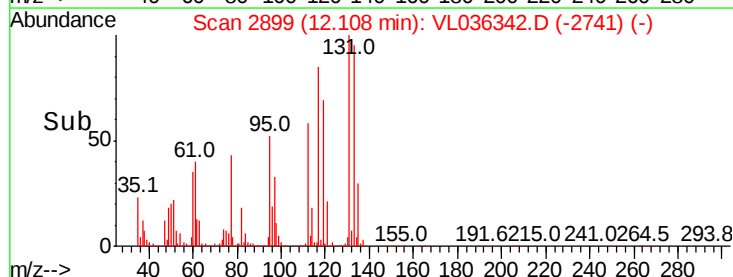
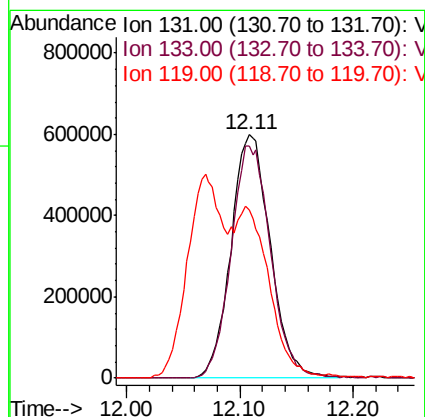
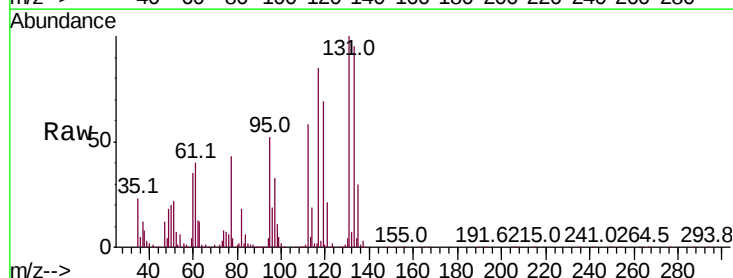
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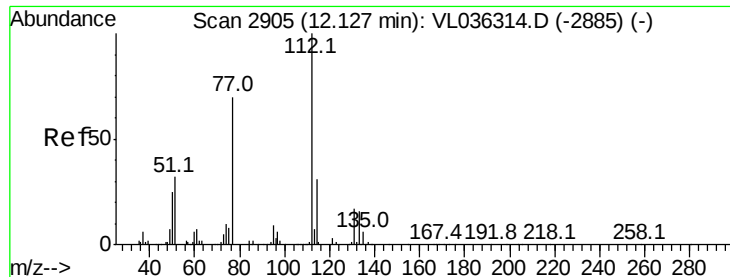
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.888 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion:131 Resp: 1432228
Ion Ratio Lower Upper
131 100
133 97.1 76.0 114.0
119 67.6 115.1 172.7#





#57

Chlorobenzene

Concen: 8.754 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2369620

Ion Ratio Lower Upper

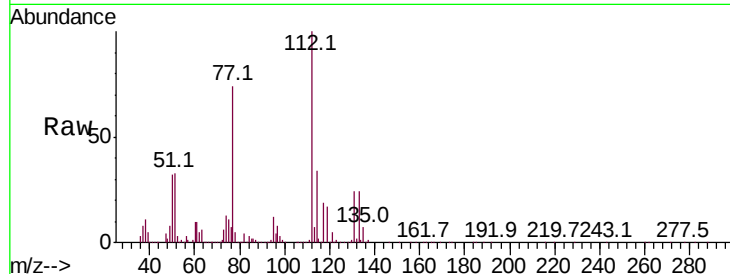
112 100

77 73.2 56.1 84.1

114 34.1 28.3 34.5

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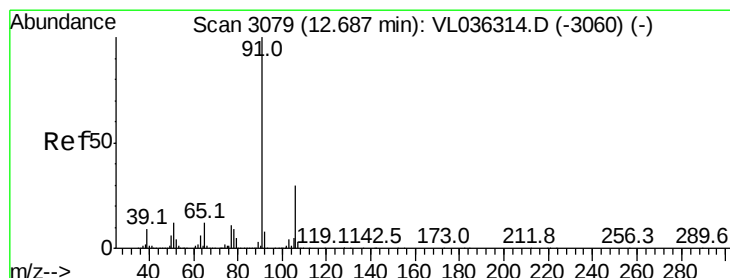
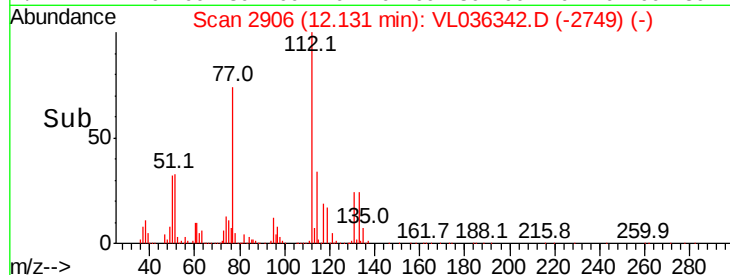
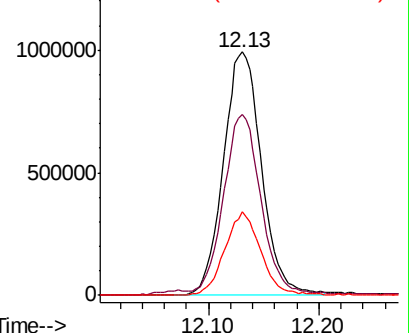
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.328 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL036342.D

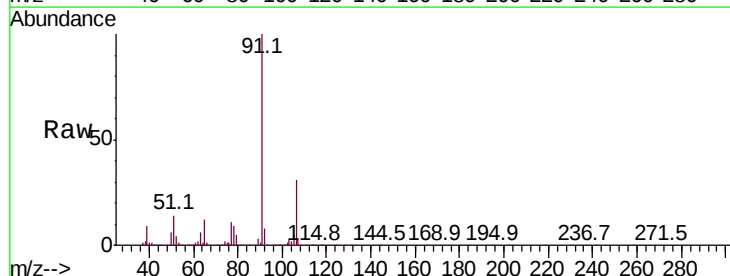
Acq: 11 Feb 2021 9:52

Tgt Ion: 91 Resp: 4475062

Ion Ratio Lower Upper

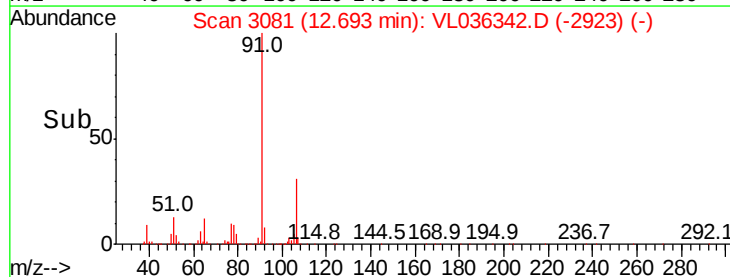
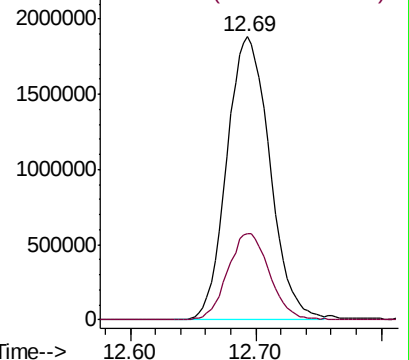
91 100

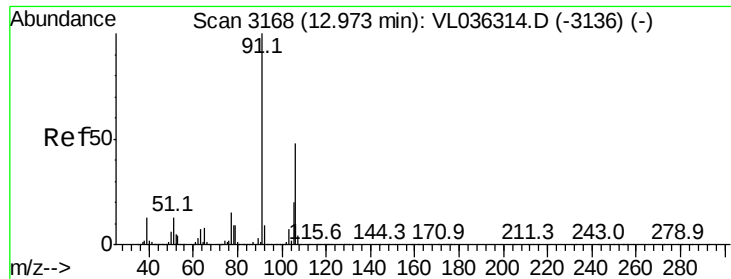
106 30.7 23.8 35.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





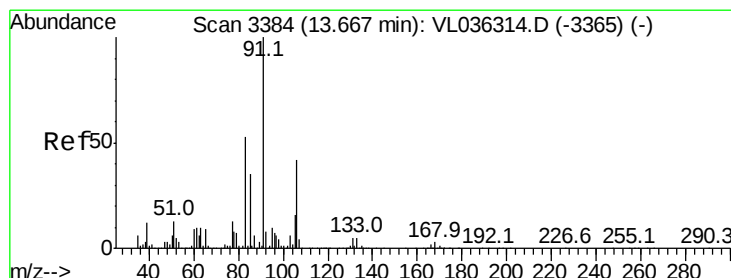
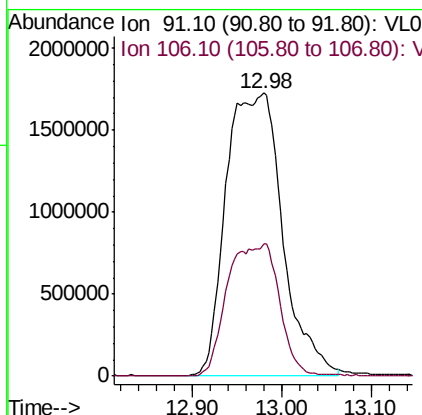
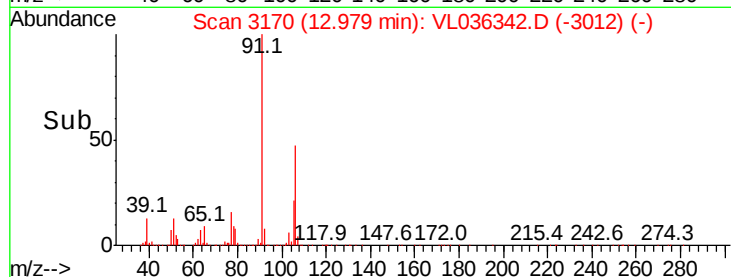
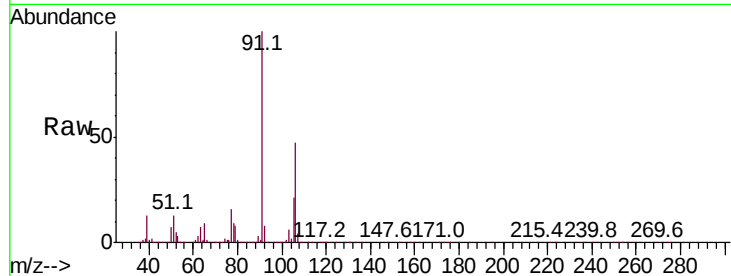
#59
m/p-Xylene
Concen: 17.913 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7548105
Ion Ratio Lower Upper
91 100
106 43.2 34.2 51.2

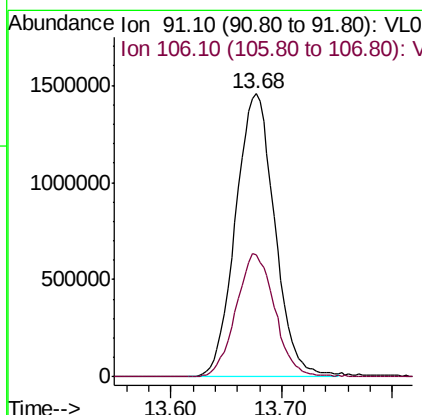
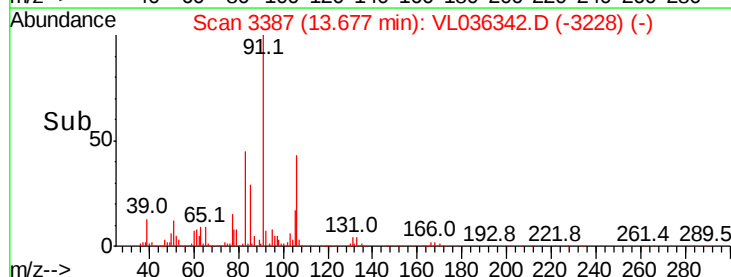
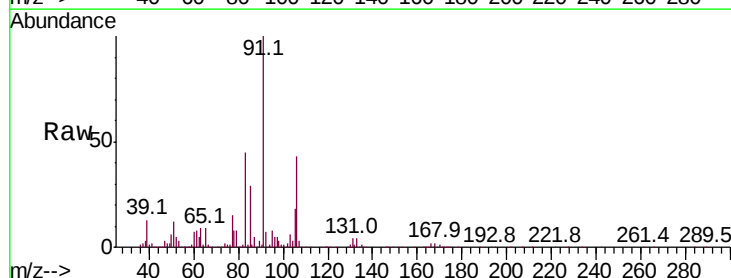
Manual Integrations
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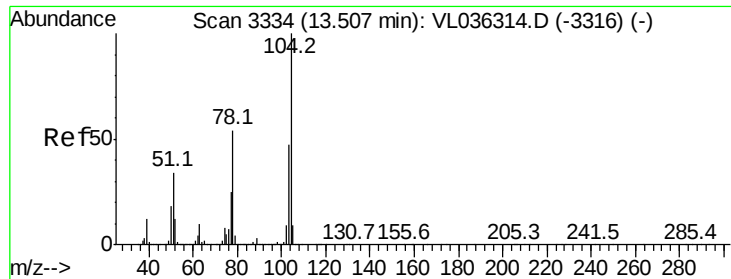
MMDadoda
2/12/2021 1:42:55 PM



#60
o-Xylene
Concen: 8.845 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion: 91 Resp: 3563386
Ion Ratio Lower Upper
91 100
106 43.9 22.0 66.0





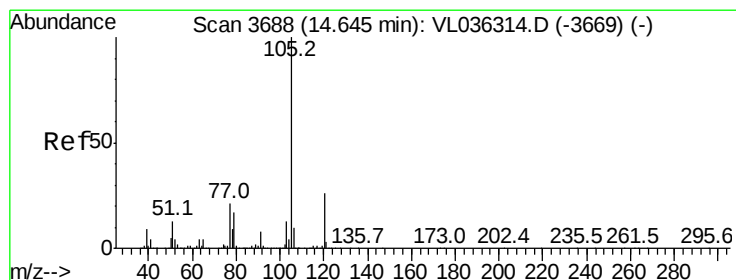
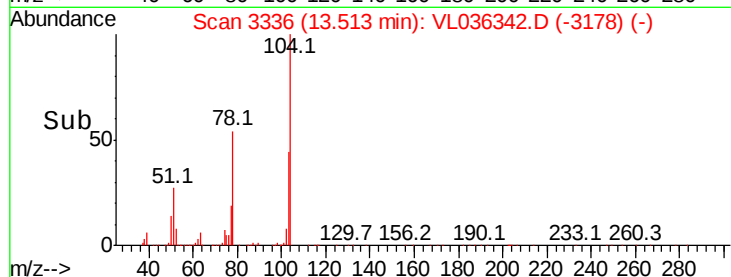
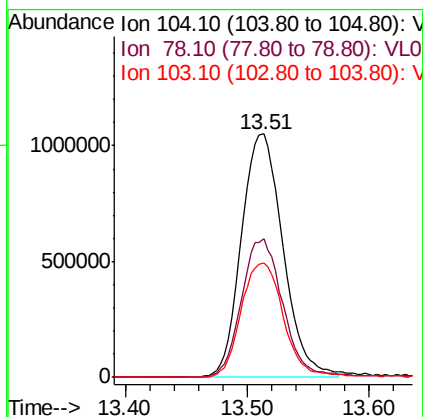
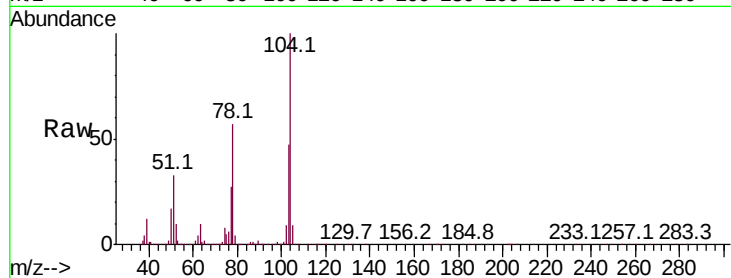
#61
Stvrene
Concen: 9.943 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.0	46.2	69.2
103	48.4	38.3	57.5

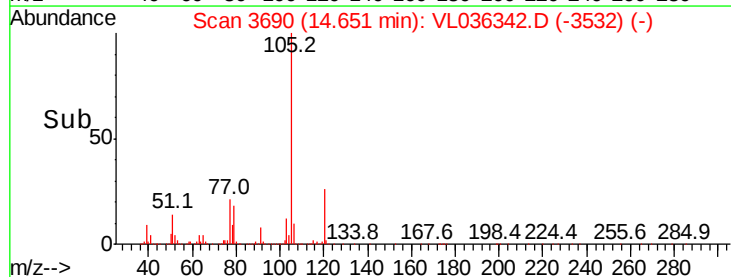
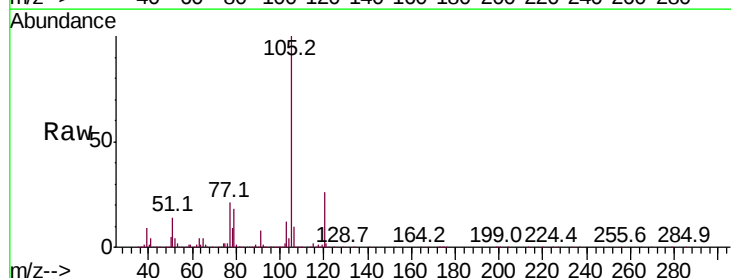
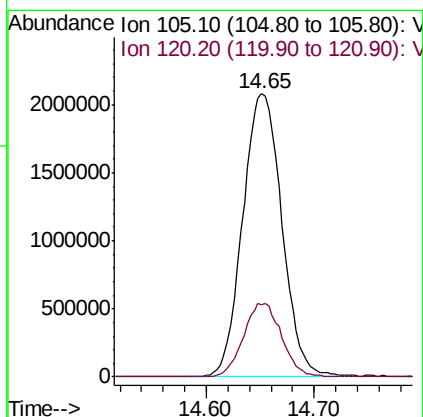
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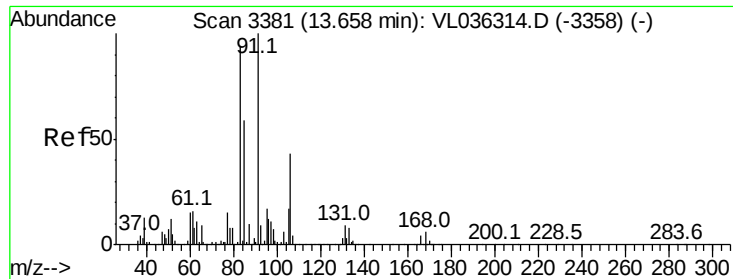
MMDadoda
2/12/2021 1:42:55 PM



#62
Isopropylbenzene
Concen: 8.703 ppbv
RT: 14.65 min Scan# 3690
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.4	20.6	30.8





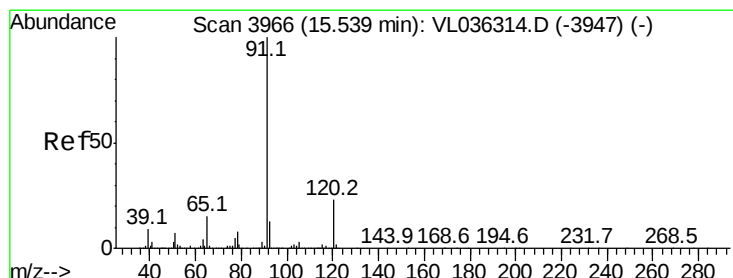
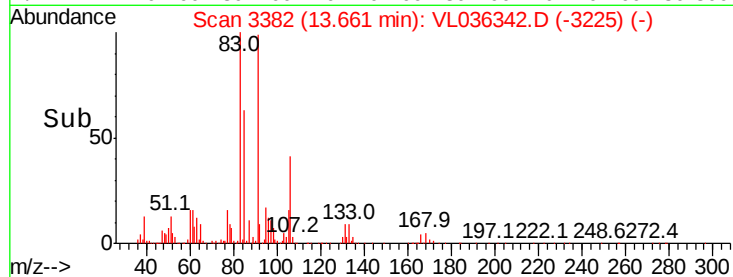
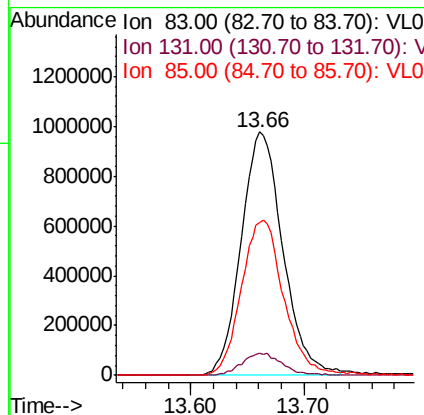
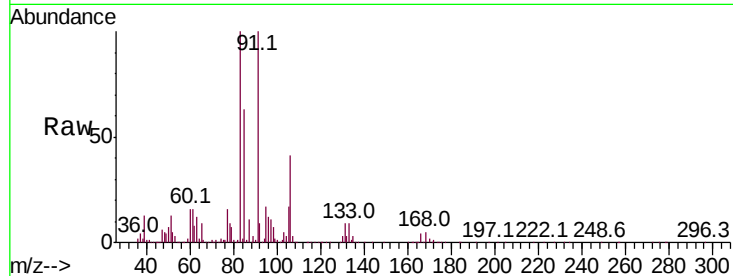
#63
1,1,2,2-Tetrachloroethane
Concen: 7.852 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. 0.00 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	2496202
Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.7	14.0
85	65.1	33.0	98.9

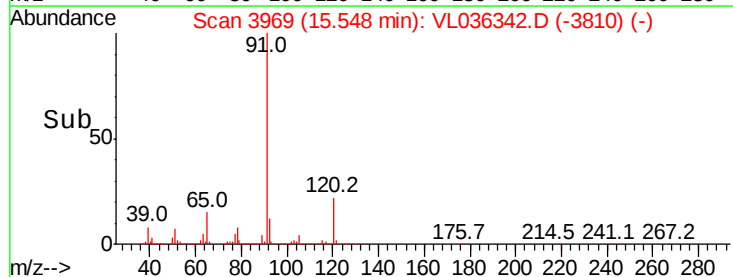
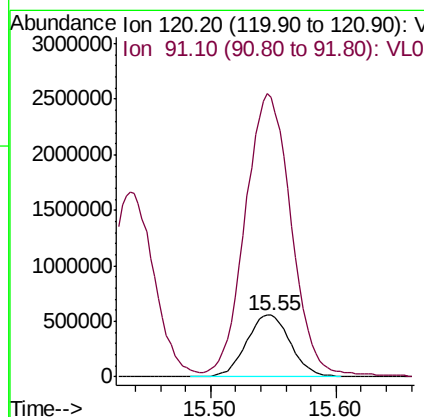
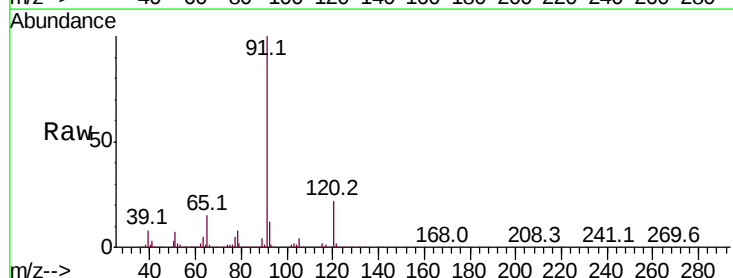
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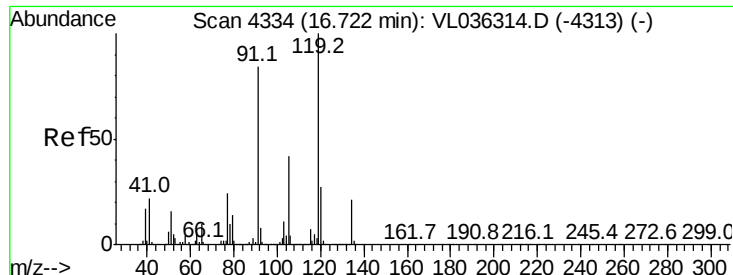
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#64
n-propylbenzene
Concen: 9.116 ppbv
RT: 15.55 min Scan# 3969
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion	120	Resp	1354823
Ion	Ratio	Lower	Upper
120	100		
91	482.7	387.2	580.8





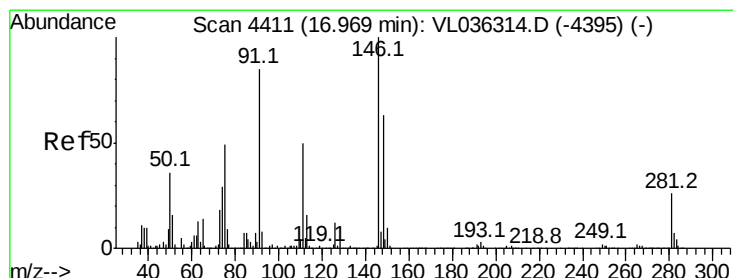
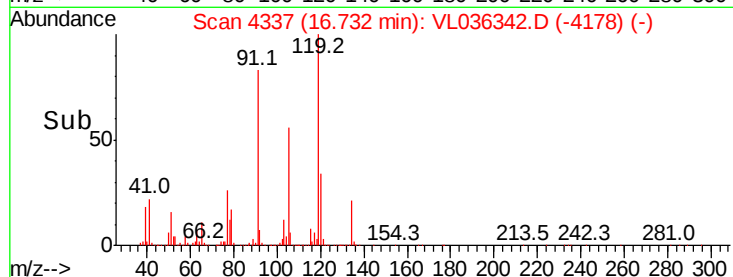
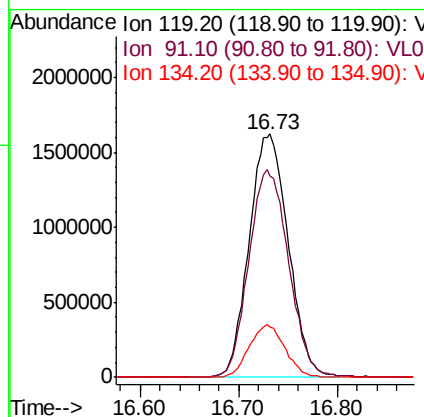
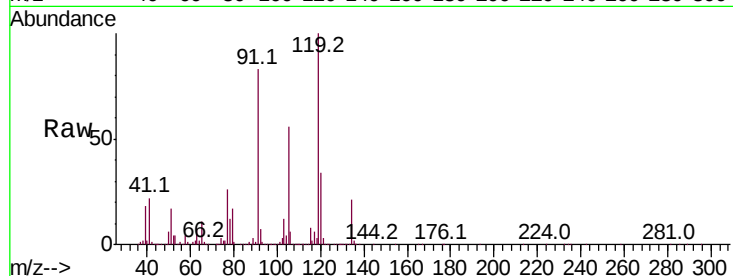
#65
tert-Butylbenzene
Concen: 8.605 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 119 Resp: 4446294
Ion Ratio Lower Upper
119 100
91 86.8 70.5 105.7
134 19.8 15.8 23.8

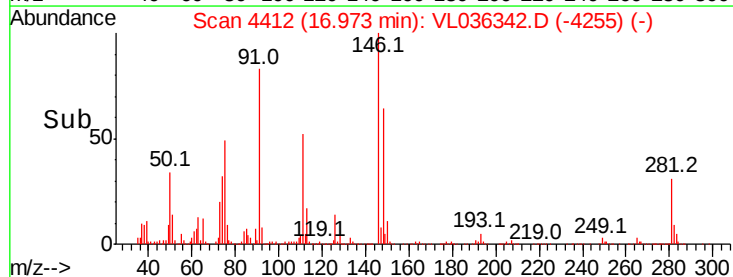
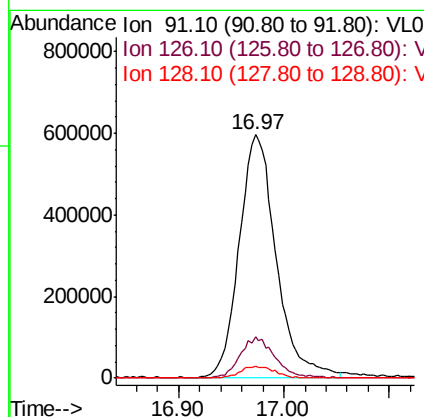
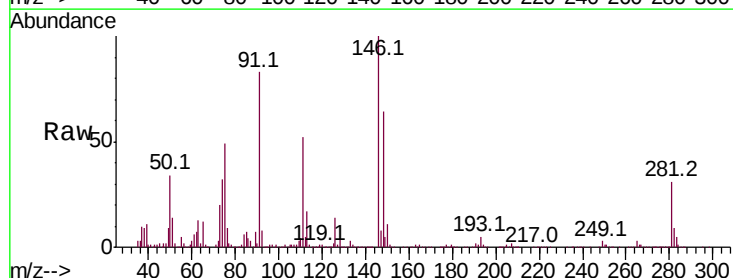
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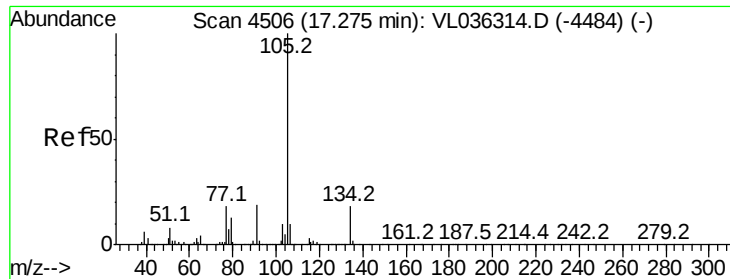
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#66
Benzyl Chloride
Concen: 10.285 ppbv
RT: 16.97 min Scan# 4412
Delta R.T. 0.00 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion: 91 Resp: 1444768
Ion Ratio Lower Upper
91 100
126 16.3 12.9 19.3
128 5.0 4.2 6.2





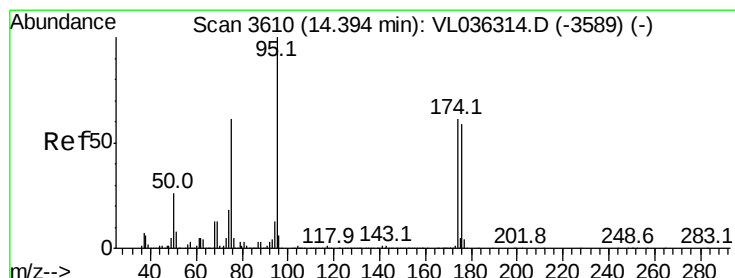
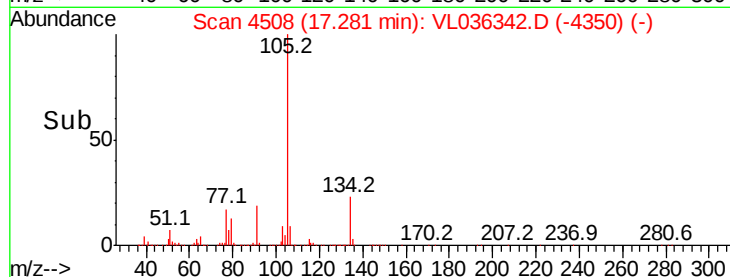
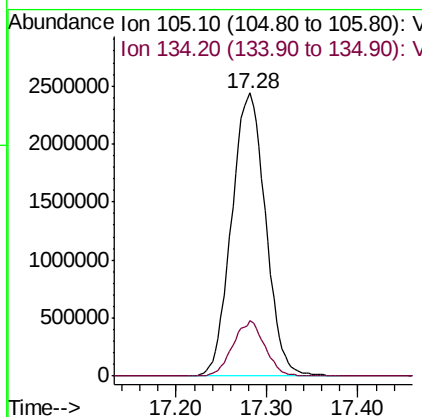
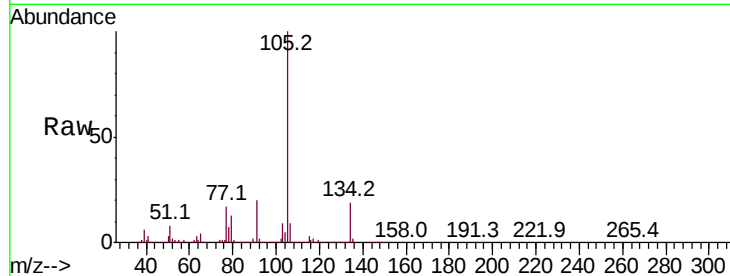
#67
 sec-Butylbenzene
 Concen: 8.464 ppbv
 RT: 17.28 min Scan# 4508
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 105 Resp: 6307425
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.2 21.4

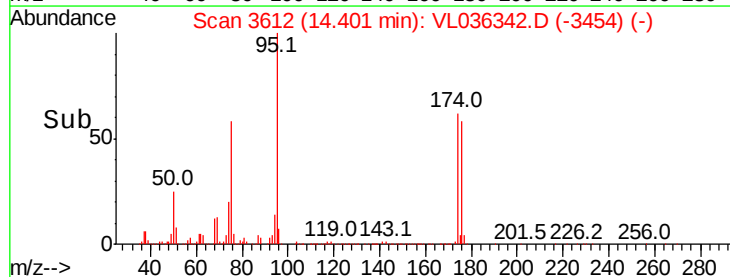
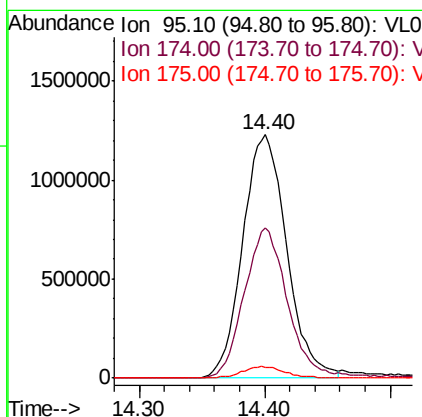
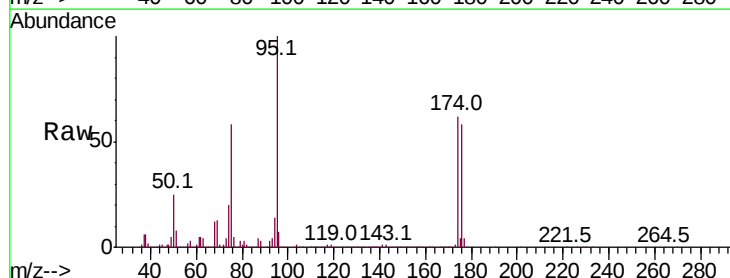
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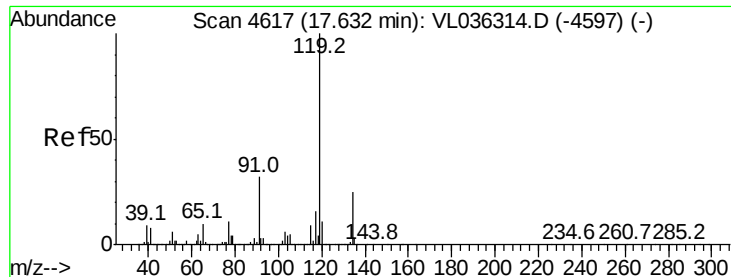
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.389 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion: 95 Resp: 2994698
 Ion Ratio Lower Upper
 95 100
 174 62.5 49.8 74.6
 175 4.6 3.7 5.5





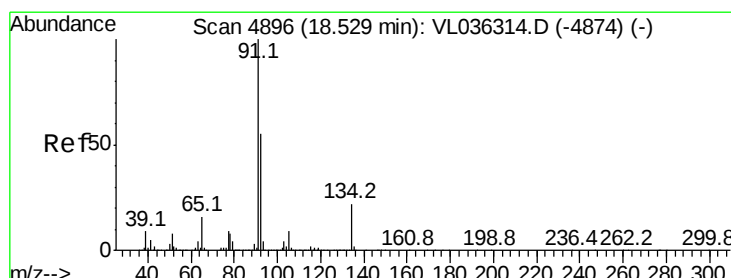
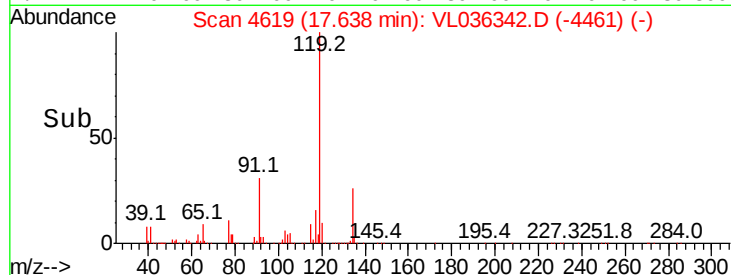
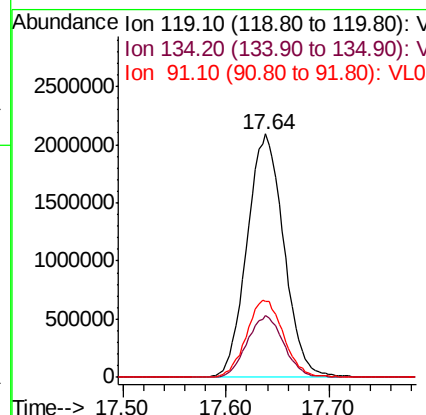
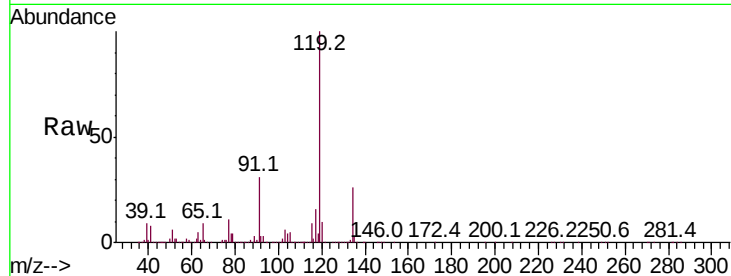
#69
 p-Isopropyltoluene
 Concen: 8.984 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.1	30.1
91	32.2	25.8	38.6

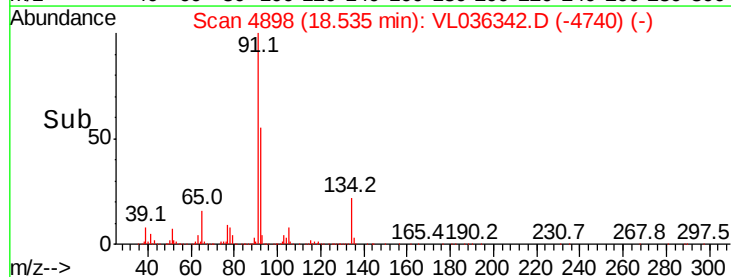
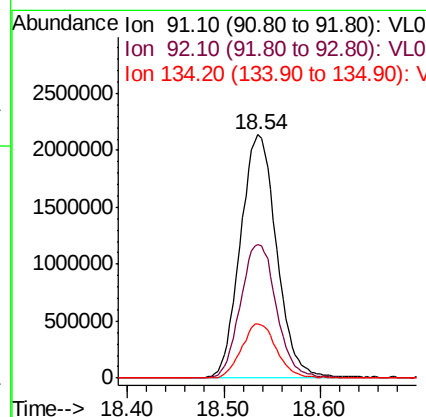
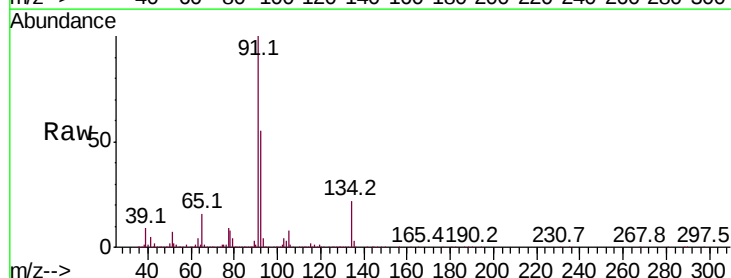
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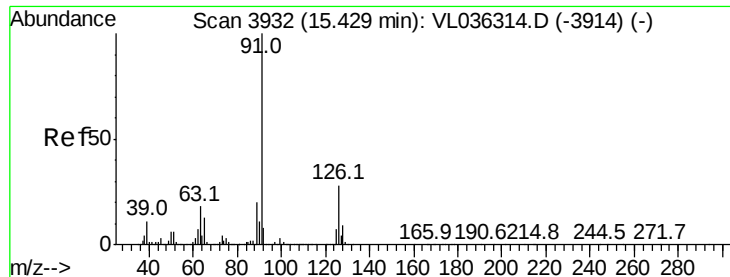
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#70
 n-Butylbenzene
 Concen: 9.019 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	43.7	65.5
134	21.7	17.4	26.0





#71

2-Chlorotoluene

Concen: 8.822 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4083967

Ion Ratio Lower Upper

91 100

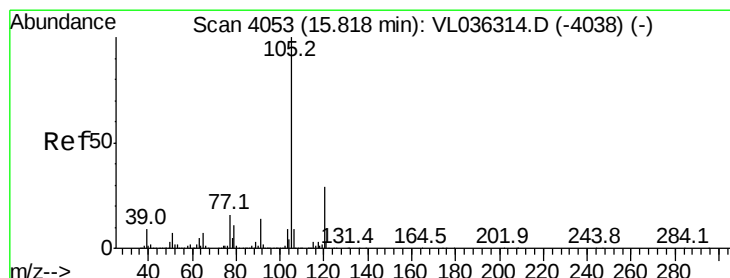
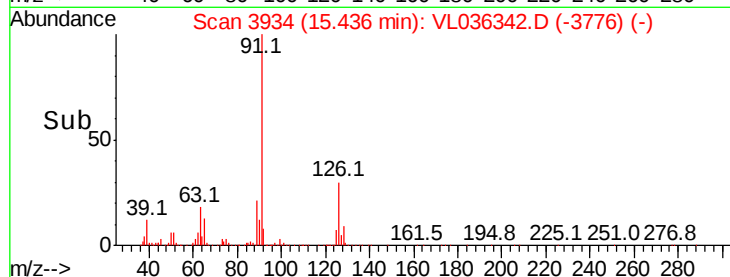
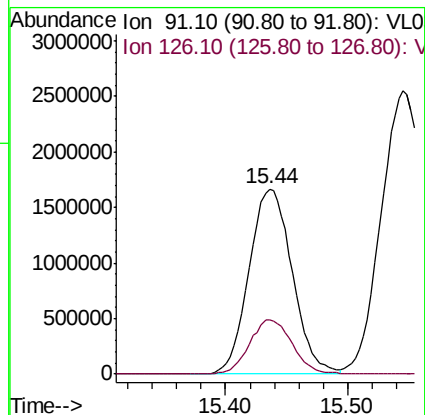
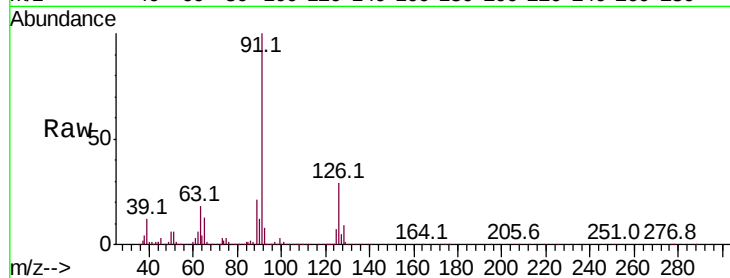
126 29.2 11.5 46.1

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#72

4-Ethyltoluene

Concen: 9.125 ppbv

RT: 15.82 min Scan# 4055

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Tgt Ion: 105 Resp: 4091338

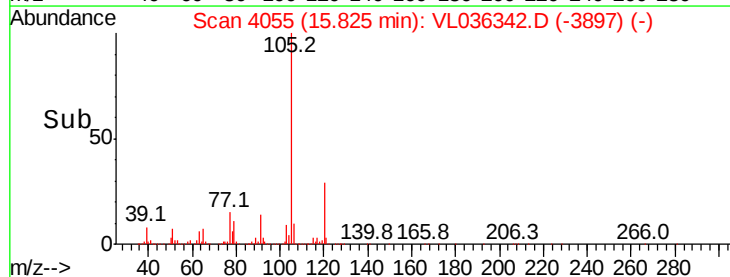
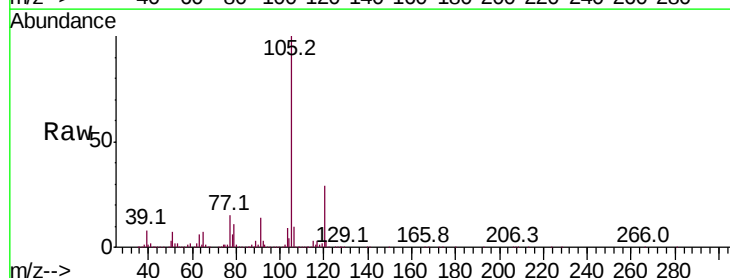
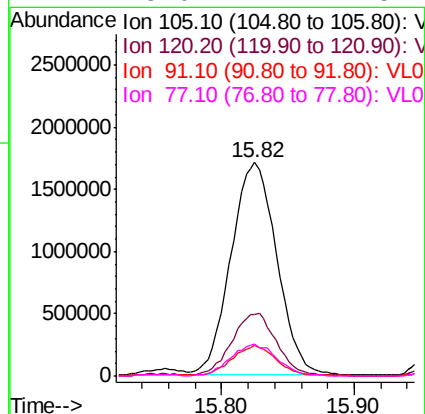
Ion Ratio Lower Upper

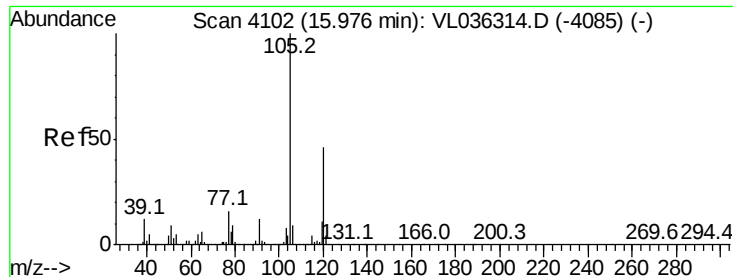
105 100

120 29.1 23.2 34.8

91 13.9 11.0 16.4

77 15.0 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 8.811 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3829604

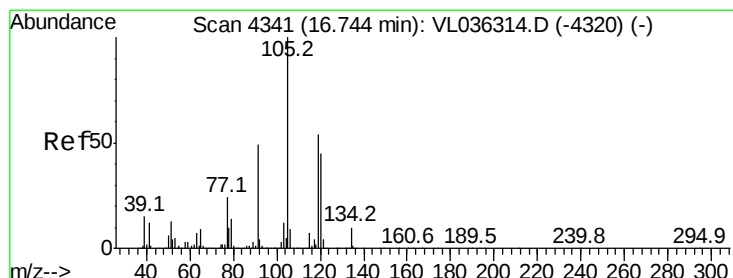
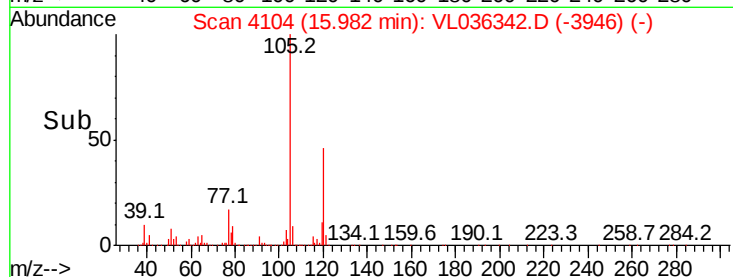
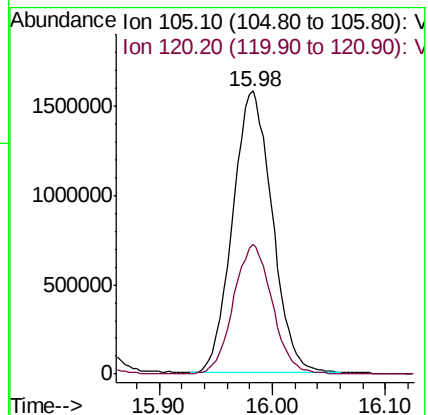
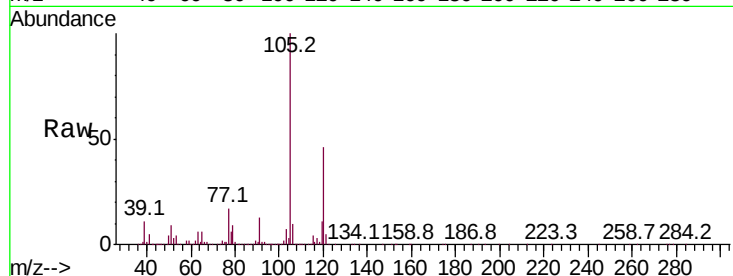
Ion Ratio Lower Upper

105 100

120 46.0 36.9 55.3

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#74

1,2,4-Trimethylbenzene

Concen: 8.722 ppbv

RT: 16.75 min Scan# 4343

Delta R.T. 0.01 min

Lab File: VL036342.D

Acq: 11 Feb 2021 9:52

Tgt Ion:105 Resp: 3870201

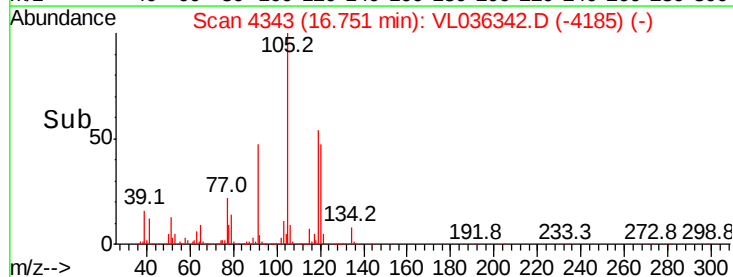
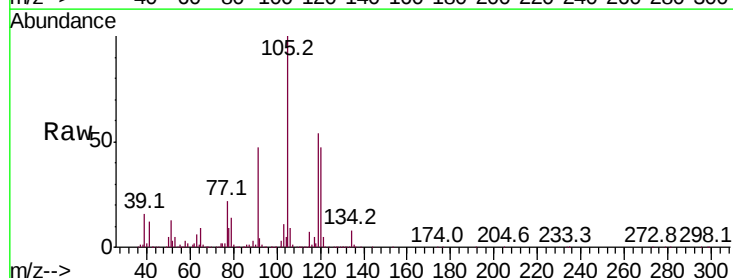
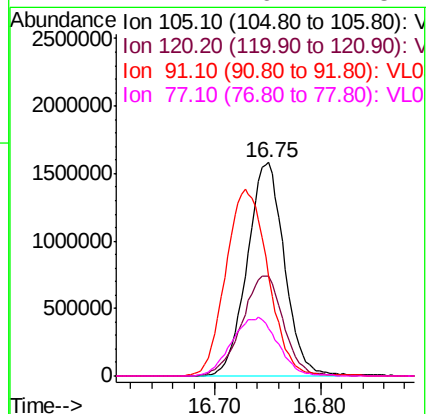
Ion Ratio Lower Upper

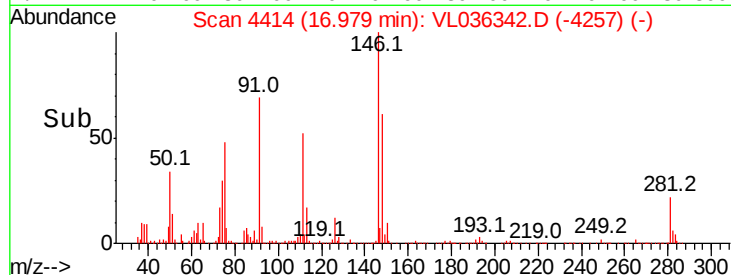
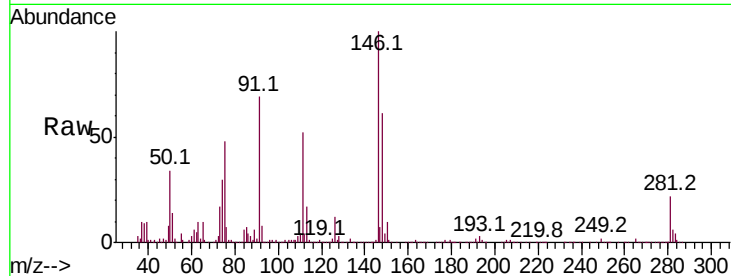
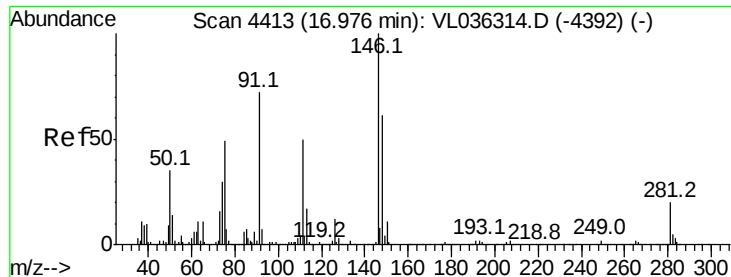
105 100

120 46.8 35.8 53.6

91 46.8 39.8 59.6

77 22.1 19.1 28.7





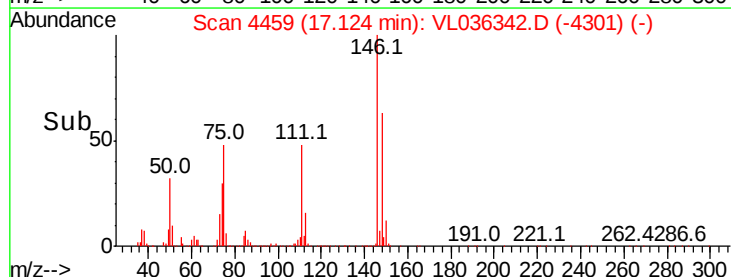
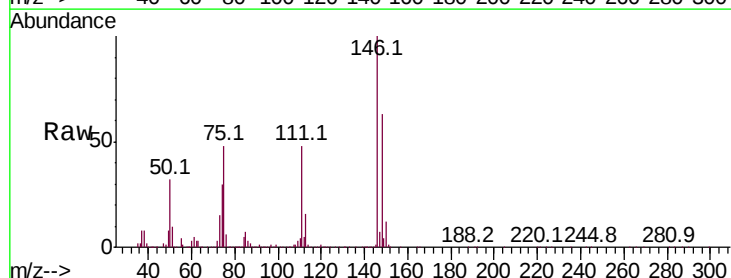
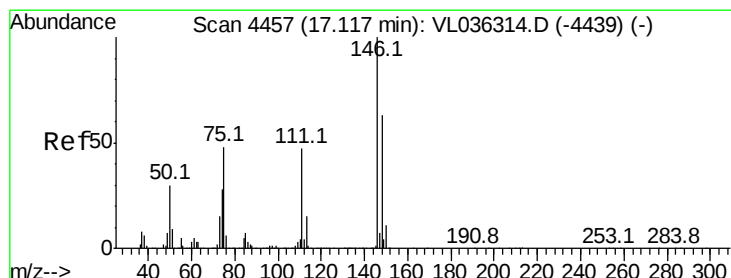
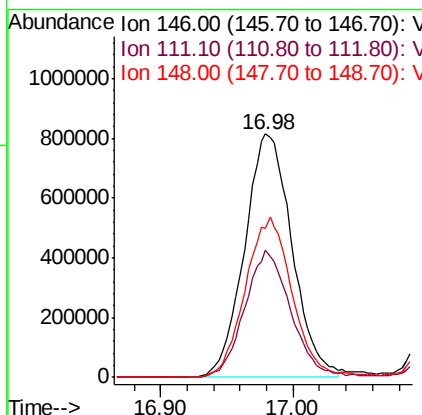
#75
1,3-Dichlorobenzene
Concen: 8.435 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.00 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tot Ion:146 Resp: 2031411
Ion Ratio Lower Upper
146 100
111 50.6 24.9 74.6
148 65.3 31.9 95.9

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

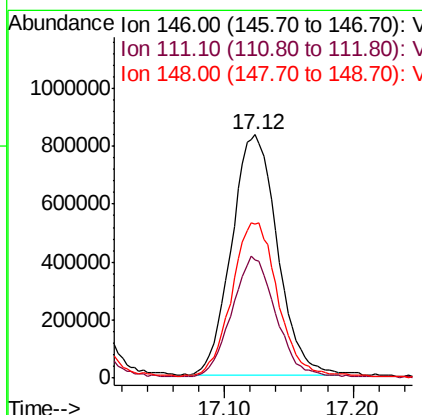
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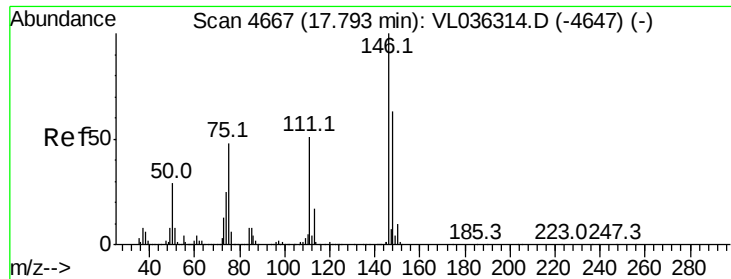
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#76
1,4-Dichlorobenzene
Concen: 8.156 ppbv
RT: 17.12 min Scan# 4459
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion:146 Resp: 2039870
Ion Ratio Lower Upper
146 100
111 49.7 23.6 71.0
148 66.4 31.6 95.0





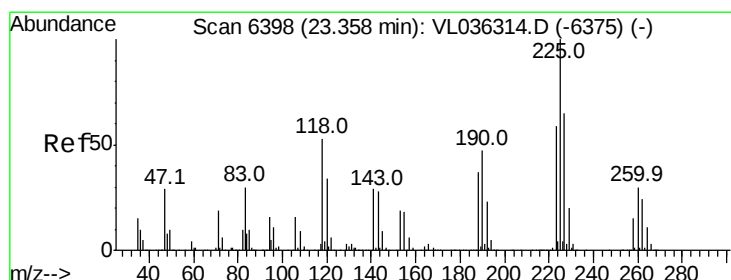
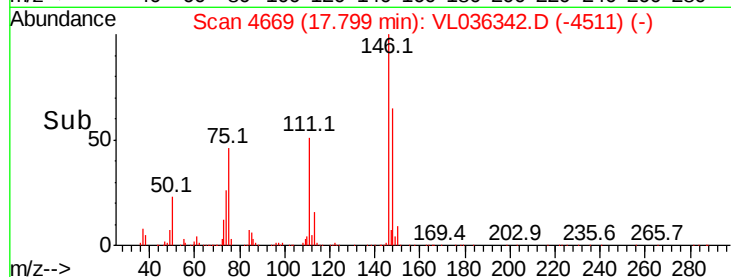
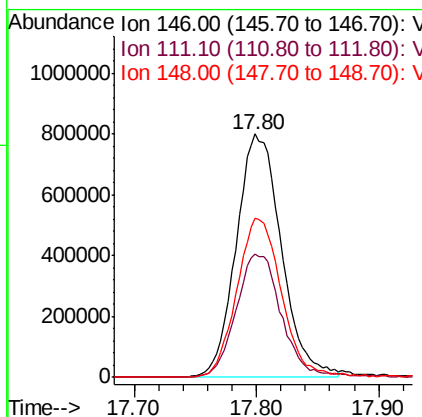
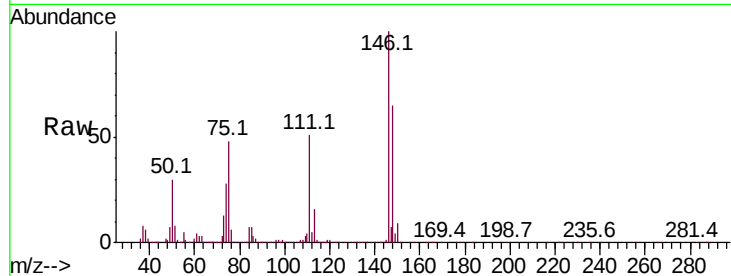
#77
 1,2-Dichlorobenzene
 Concen: 8.499 ppbv
 RT: 17.80 min Scan# 4669
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2030536
 Ion Ratio Lower Upper
 146 100
 111 51.4 25.9 77.8
 148 66.0 32.5 97.4

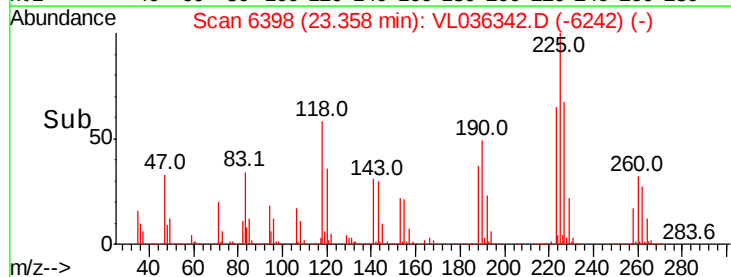
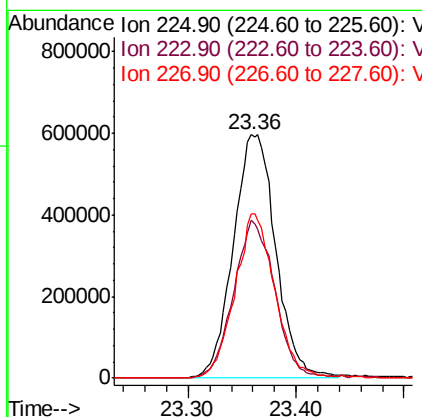
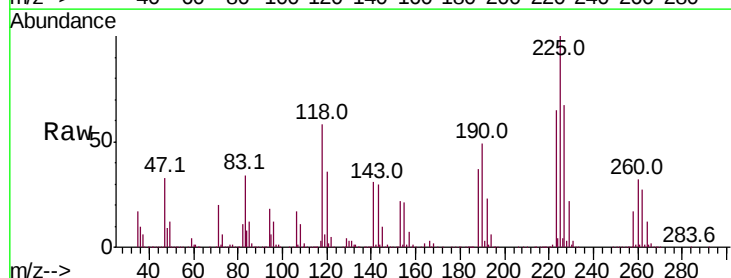
Manual Integrations
 APPROVED

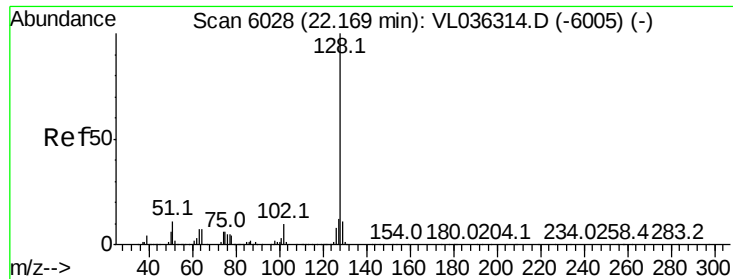
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.355 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.00 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Tgt Ion:225 Resp: 1630883
 Ion Ratio Lower Upper
 225 100
 223 63.6 50.8 76.2
 227 64.4 52.2 78.2





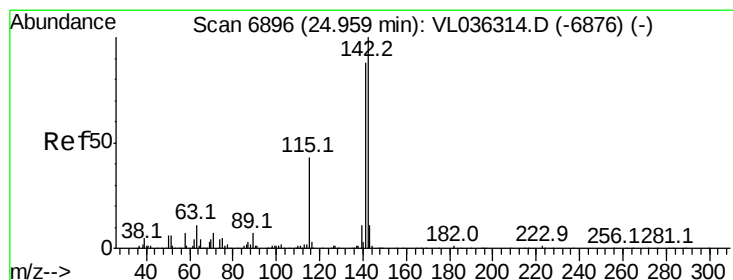
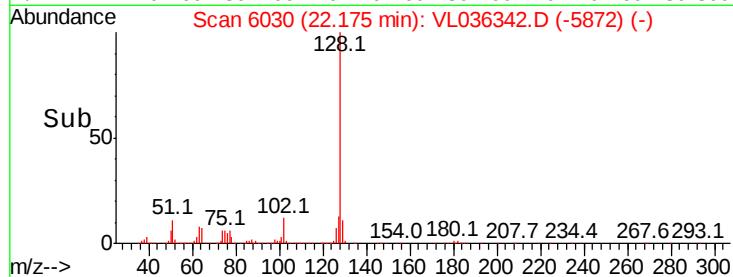
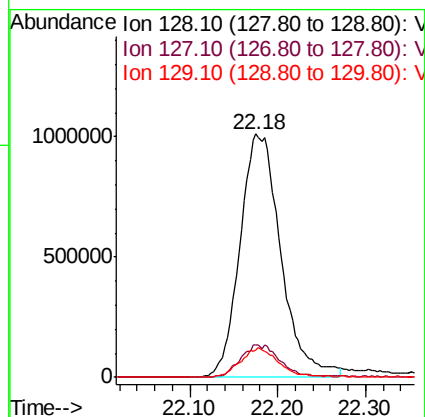
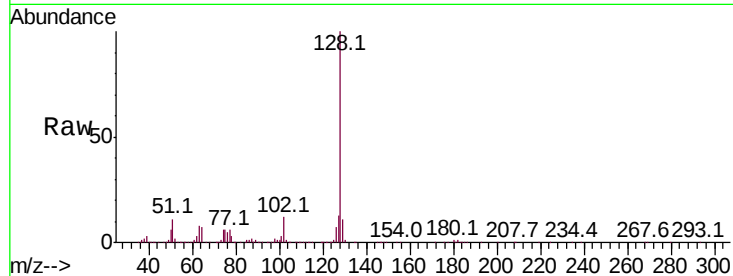
#79
Naphthalene
Concen: 12.411 ppbv m
RT: 22.18 min Scan# 6030
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:128	Resp: 3264335		
Ion Ratio	Lower	Upper	
128	100		
127	13.2	9.6	14.4
129	11.0	8.5	12.7

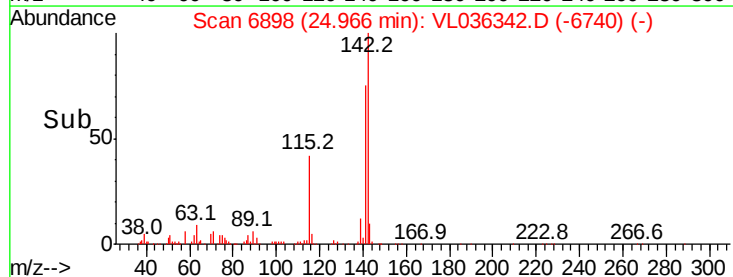
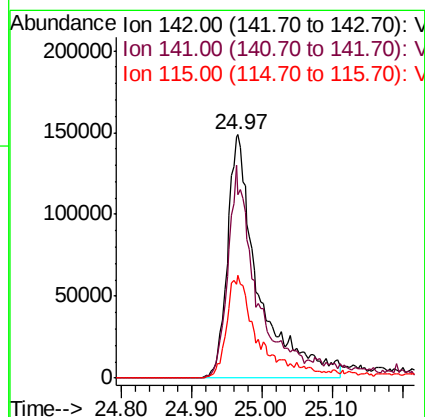
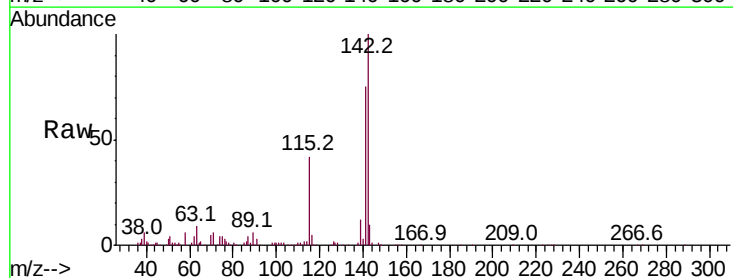
Manual Integrations
APPROVED

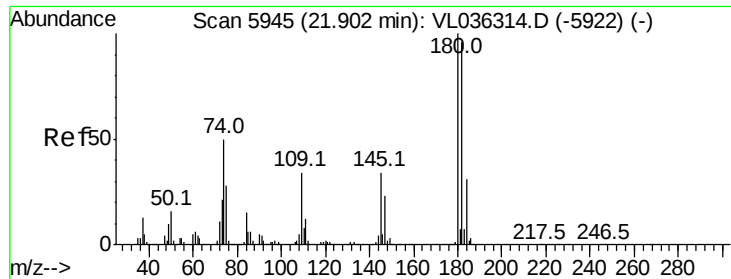
MMDadoda
2/12/2021 1:42:55 PM



#80
Naphthalene, 2-methyl-
Concen: 9.397 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL036342.D
Acq: 11 Feb 2021 9:52

Tgt Ion	Ion:142	Resp: 457646	
	Ratio	Lower	Upper
142	100		
141	80.2	64.4	96.6
115	42.8	34.6	51.8





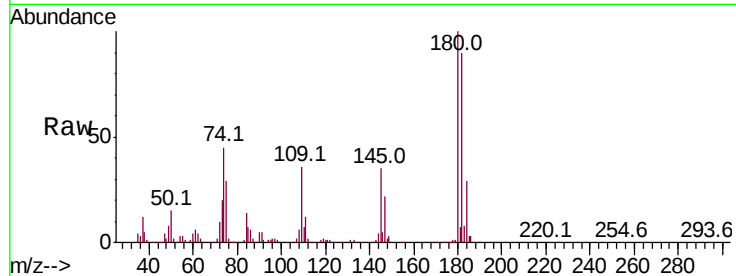
#81
 1,2,4-Trichlorobenzene
 Concen: 10.694 ppbv m
 RT: 21.91 min Scan# 5949
 Delta R.T. 0.01 min
 Lab File: VL036342.D
 Acq: 11 Feb 2021 9:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	80.2	120.4#
184	30.3	25.0	37.6

Manual Integrations
 APPROVED

MMDadoda
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Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

