

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036314.D
 Acq On : 10 Feb 2021 11:19
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 2/12/2021 1:41:48 PM

Quant Time: Feb 10 13:51:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1577492	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3562996	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3285887m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2832778	10.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1999093	9.454	ppbv	100
3) Chlorodifluoromethane	2.97	51	1629634	8.412	ppbv	98
4) Chloromethane	3.12	50	781388	8.160	ppbv	98
5) Vinyl Chloride	3.24	62	780925	8.619	ppbv	96
6) Bromomethane	3.46	94	449666	8.877	ppbv	98
7) Chloroethane	3.54	64	273120	8.753	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1814004	8.855	ppbv	99
9) Propene	2.99	41	733648	7.952	ppbv	99
10) Heptane	8.10	43	1883823	8.226	ppbv	98
11) Trichlorofluoromethane	3.93	101	1932283	8.988	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1179160	9.047	ppbv	98
13) Ethanol	3.59	45	109667	7.570	ppbv	94
14) Bromoethene	3.72	108	512297	8.632	ppbv	98
15) Acetone	3.83	43	1462246	7.569	ppbv	99
16) 1,3-Butadiene	3.31	39	762971	8.107	ppbv	97
17) tert-Butyl alcohol	4.27	59	1286592m	8.070	ppbv	
18) 1,1-Dichloroethene	4.27	96	545868m	9.034	ppbv	
19) Isopropyl Alcohol	3.95	45	848857	7.288	ppbv	100
20) Methylene Chloride	4.32	84	478969m	7.768	ppbv	
21) Allyl Chloride	4.39	41	901813	8.575	ppbv	97
22) trans-1,2-Dichloroethene	4.86	96	506794	9.078	ppbv	99
23) Vinyl Acetate	5.05	43	1990540	8.503	ppbv #	98
24) 1,1-Dichloroethane	4.99	63	1442198	8.505	ppbv	98
25) Ethyl Acetate	5.65	43	3160273	8.148	ppbv	100
26) Hexane	5.66	57	1286784	7.968	ppbv	98
27) Carbon Disulfide	4.53	76	1324560	10.258	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1744372	7.987	ppbv	97
29) Chloroform	5.73	83	2052811	8.878	ppbv	96
30) Cyclohexane	7.10	84	1068787	8.661	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1307850	8.473	ppbv	95
32) 1,1,1-Trichloroethane	6.49	97	1995658	8.924	ppbv	100
34) 2-Butanone	5.22	43	1979545	7.544	ppbv	98
35) Carbon Tetrachloride	7.00	117	2072195	9.205	ppbv	96
36) Benzene	6.87	78	2680686	8.211	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1661706m	8.459	ppbv	
38) Trichloroethene	7.81	130	924334	7.644	ppbv	97
39) 1,2-Dichloropropane	7.59	63	1086231	8.195	ppbv	96
40) 1,4-Dioxane	7.81	88	359922	7.506	ppbv #	24
41) Tetrahydrofuran	6.02	42	1178554	7.772	ppbv	98
42) Bromodichloromethane	7.77	83	2236410	9.057	ppbv	97
43) Methyl Methacrylate	7.99	69	1205732	8.691	ppbv	94

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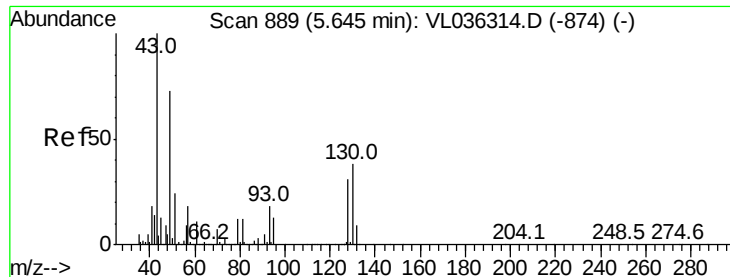
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 2021
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	4625295	7.713	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1300649	9.870	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1569042	9.266	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1066925	8.414	ppbv	94
48) Dibromochloromethane	10.28	129	1782459	9.608	ppbv	99
49) Bromoform	13.02	173	1465918	9.466	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	3145085	8.039	ppbv	100
51) 2-Hexanone	10.11	43	2507713	8.125	ppbv #	97
52) Tetrachloroethene	11.20	164	870740	7.238	ppbv	97
53) Toluene	9.78	91	3002219	8.221	ppbv	100
54) 1,2-Dibromoethane	10.59	107	1599084	8.507	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1322688	9.020	ppbv #	55
57) Chlorobenzene	12.13	112	2138147	8.294	ppbv	96
58) Ethyl Benzene	12.69	91	4110158	8.429	ppbv	98
59) m/p-Xylene	12.97	91	6961812m	16.616	ppbv	
60) o-Xylene	13.67	91	3239543	8.021	ppbv	100
61) Styrene	13.51	104	2331575	9.142	ppbv	99
62) Isopropylbenzene	14.64	105	4833627	8.050	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2339758	7.781	ppbv	100
64) n-propylbenzene	15.54	120	1265466	8.577	ppbv	98
65) tert-Butylbenzene	16.72	119	4103854	8.066	ppbv	99
66) Benzyl Chloride	16.97	91	1459832	11.230	ppbv	99
67) sec-Butylbenzene	17.27	105	5931657	7.853	ppbv	100
69) p-Isopropyltoluene	17.63	119	4827278	8.059	ppbv	100
70) n-Butylbenzene	18.53	91	5126311	8.032	ppbv	99
71) 2-Chlorotoluene	15.43	91	3850774	8.159	ppbv	100
72) 4-Ethyltoluene	15.82	105	3807919	8.355	ppbv	98
73) 1,3,5-Trimethylbenzene	15.98	105	3556689	8.187	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	3616750	8.116	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	1950866	8.162	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	1999995m	8.470	ppbv	
77) 1,2-Dichlorobenzene	17.79	146	1903484	8.154	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1317755	7.057	ppbv	99
79) Naphthalene	22.17	128	2495396m	9.580	ppbv	
80) Naphthalene, 2-methyl-	24.96	142	425844	7.661	ppbv	95
81) 1,2,4-Trichlorobenzene	21.90	180	1309391	8.610	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL036314.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1577492

Ion Ratio Lower Upper

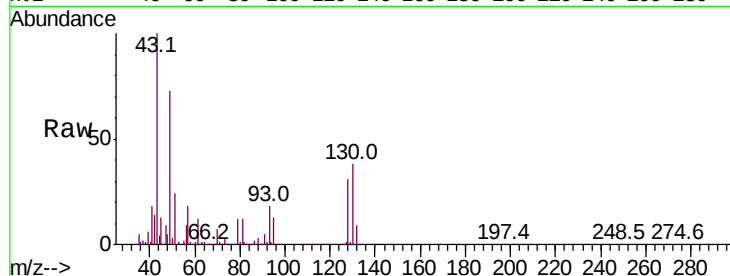
49 100

128 41.7 20.1 60.2

130 53.4 25.3 75.9

Manual Integrations
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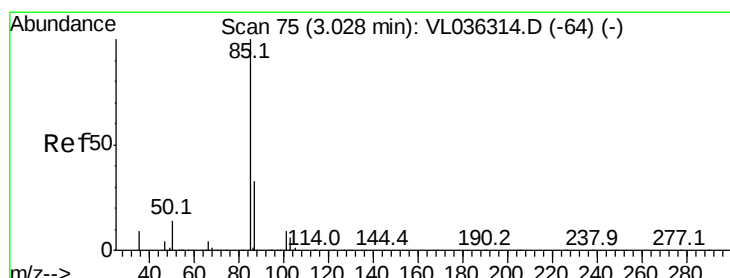
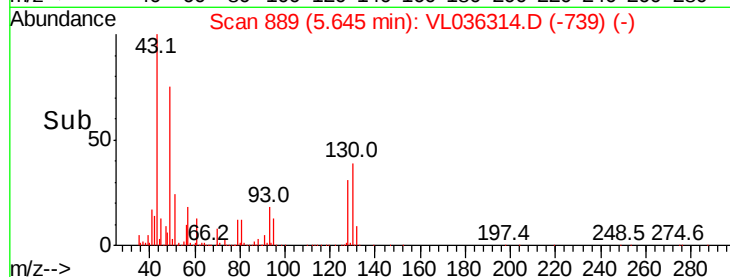
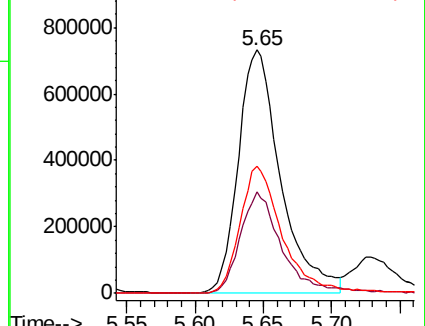
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 9.454 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL036314.D

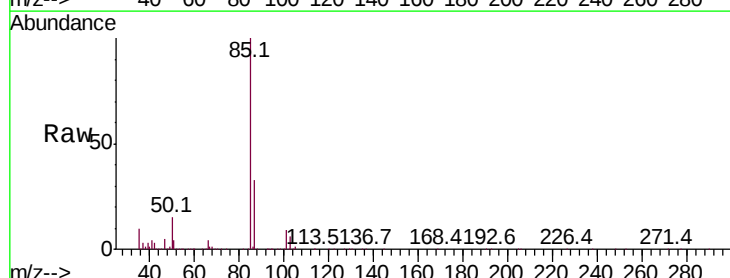
Acq: 10 Feb 2021 11:19

Tgt Ion: 85 Resp: 1999093

Ion Ratio Lower Upper

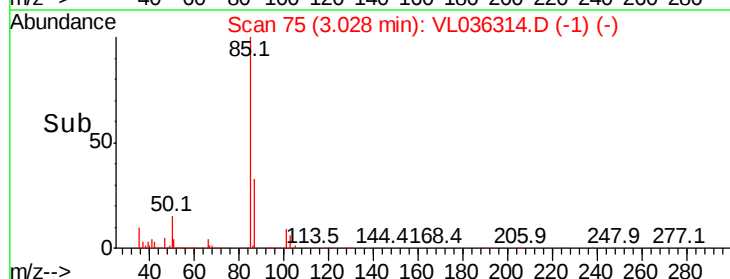
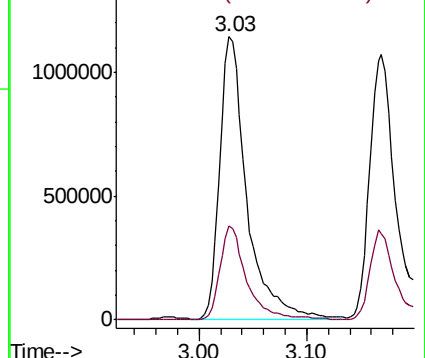
85 100

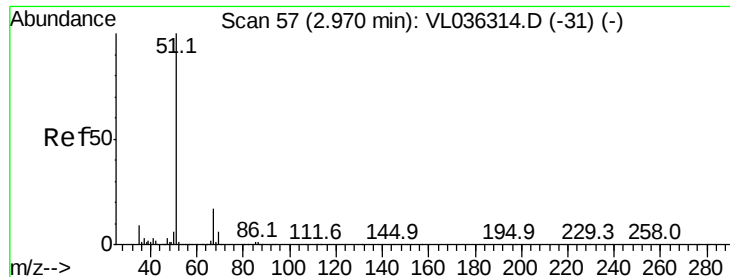
87 33.1 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





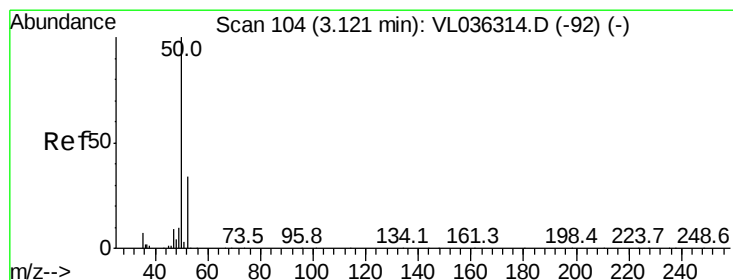
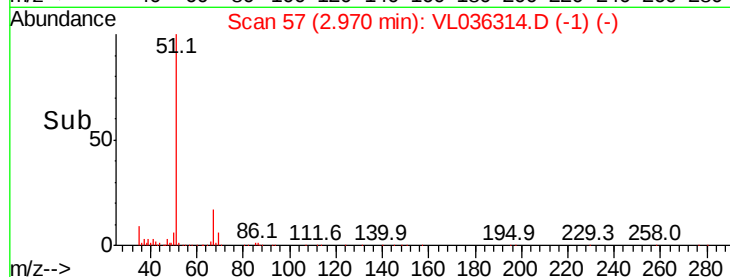
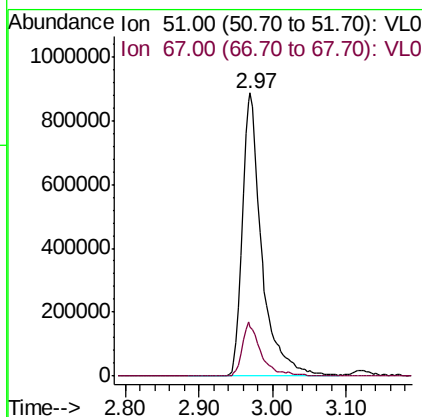
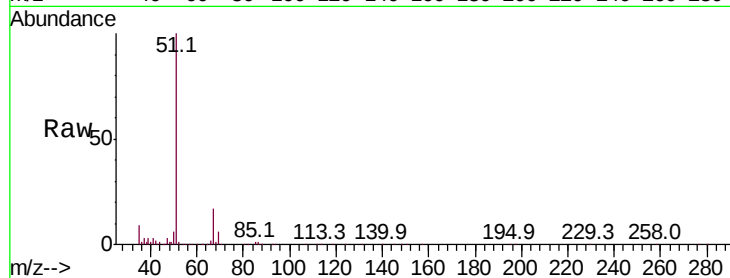
#3
Chlorodifluoromethane
Concen: 8.412 ppbv
RT: 2.97 min Scan# 57
Delta R.T. -0.01 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
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Tot Ion: 51 Resp: 1629634
Ion Ratio Lower Upper
51 100
67 18.4 14.0 21.0

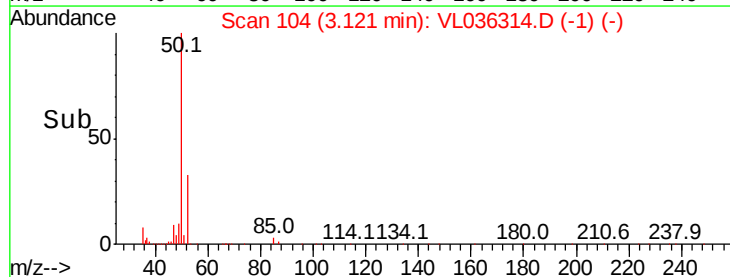
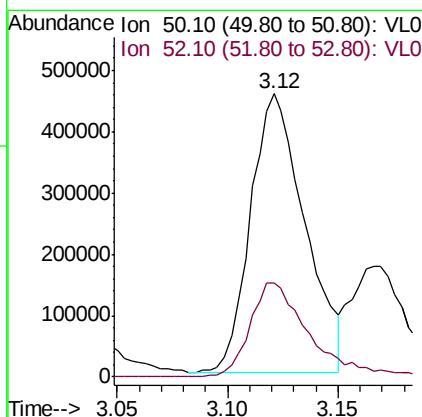
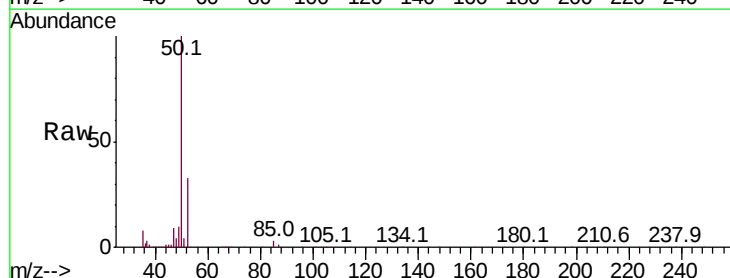
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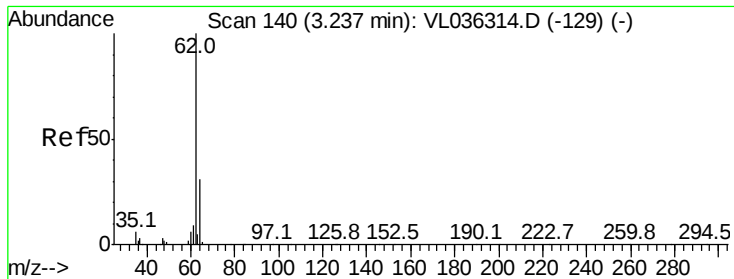
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#4
Chloromethane
Concen: 8.160 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.01 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 50 Resp: 781388
Ion Ratio Lower Upper
50 100
52 33.7 27.8 41.8





#5

Vinyl Chloride

Concen: 8.619 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.01 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 780925

Ion Ratio Lower Upper

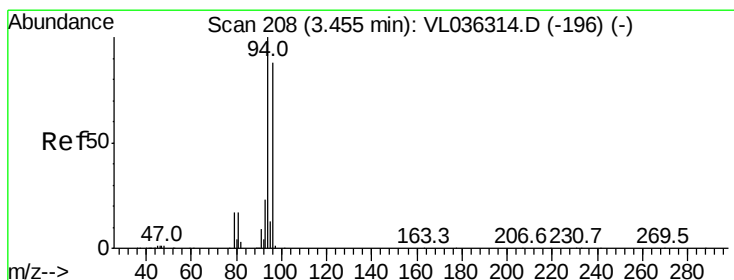
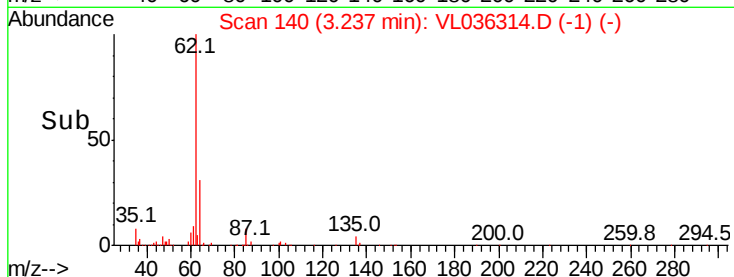
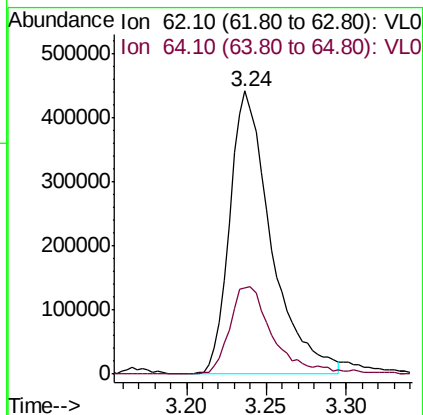
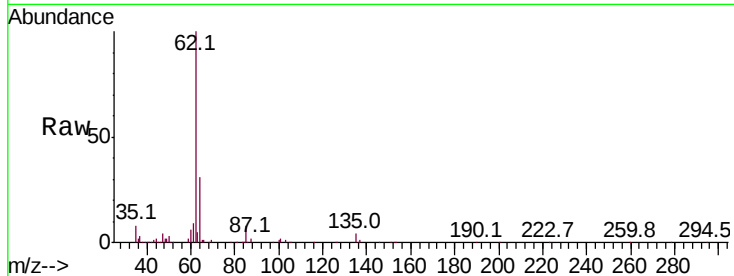
62 100

64 30.5 26.2 39.2

Manual Integrations
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#6

Bromomethane

Concen: 8.877 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.01 min

Lab File: VL036314.D

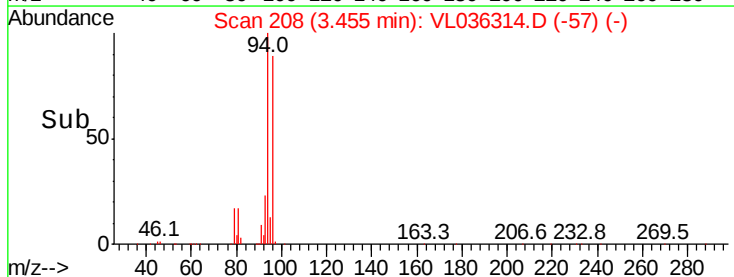
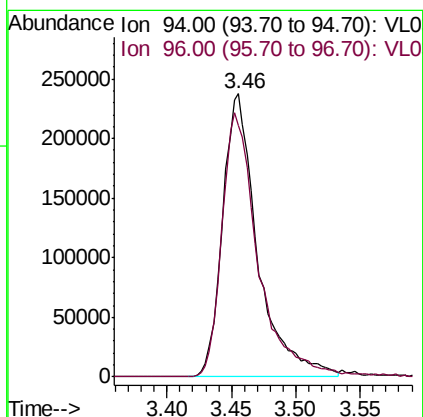
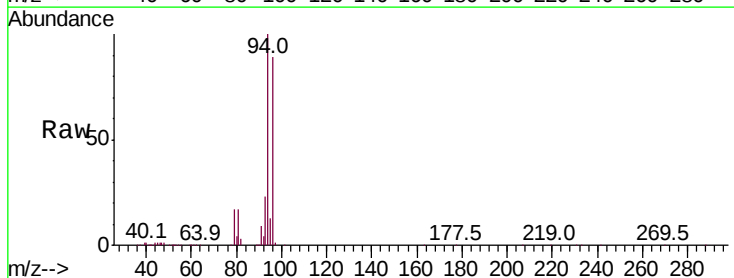
Acq: 10 Feb 2021 11:19

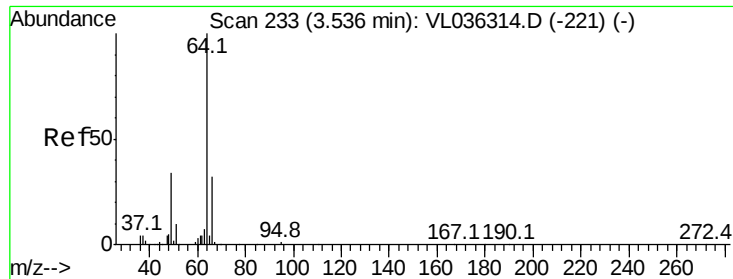
Tgt Ion: 94 Resp: 449666

Ion Ratio Lower Upper

94 100

96 88.5 71.9 107.9





#7

Chloroethane

Concen: 8.753 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.01 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 273120

Ion Ratio Lower Upper

64 100

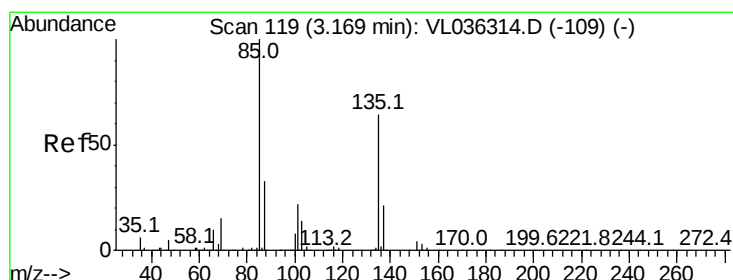
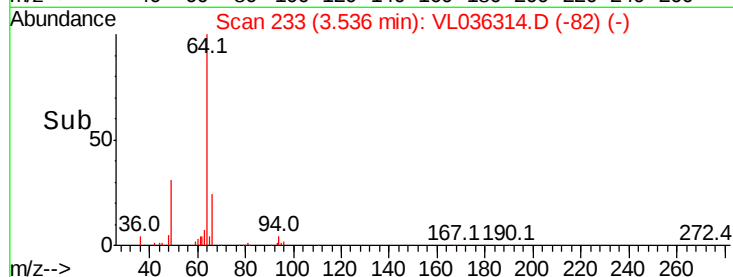
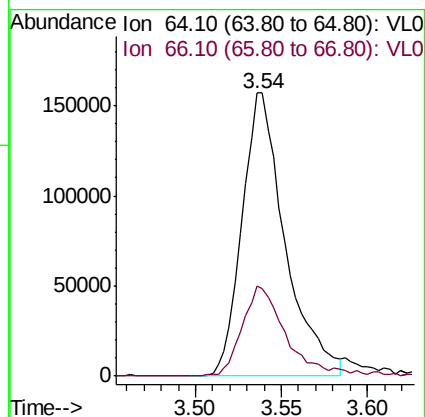
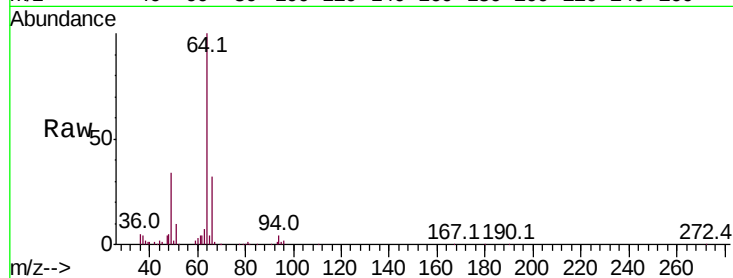
66 32.0 25.2 37.8

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.855 ppbv

RT: 3.17 min Scan# 119

Delta R.T. -0.01 min

Lab File: VL036314.D

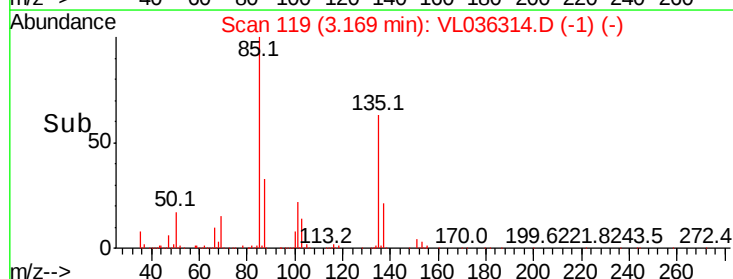
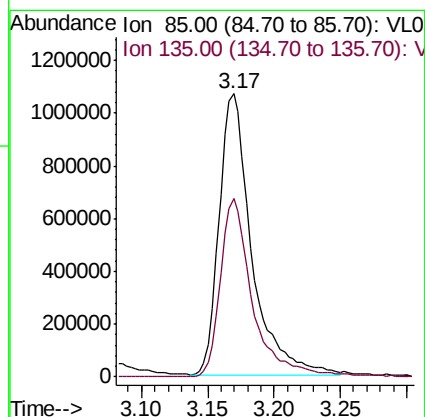
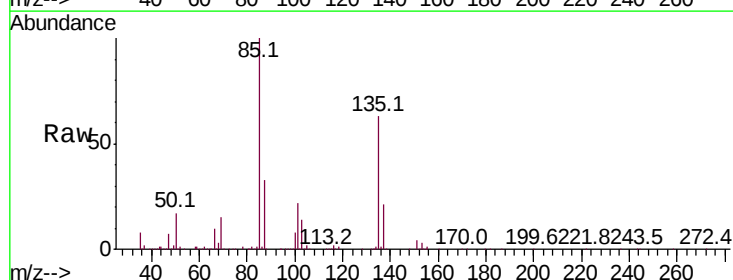
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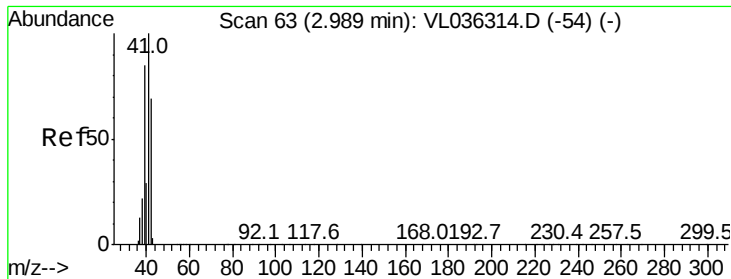
Tgt Ion: 85 Resp: 1814004

Ion Ratio Lower Upper

85 100

135 63.9 51.5 77.3





#9

Propene

Concen: 7.952 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.01 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 733648

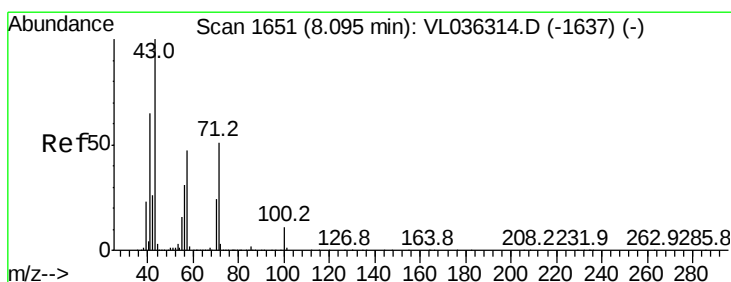
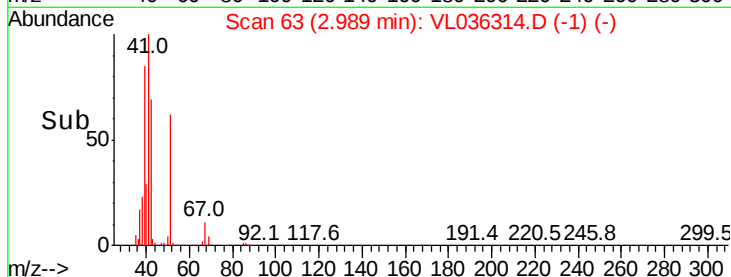
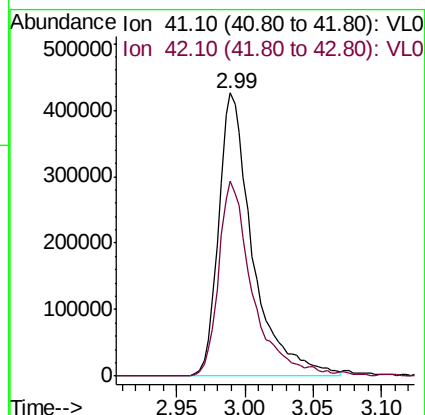
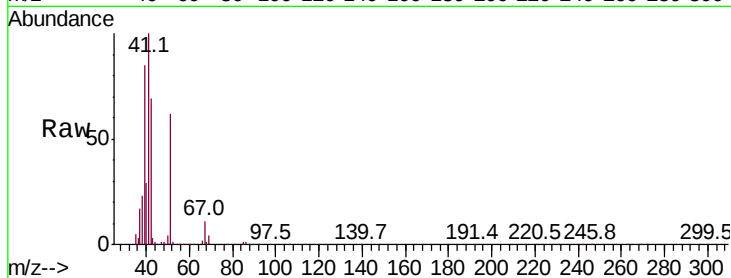
Ion Ratio Lower Upper

41 100

42 70.2 57.1 85.7

Manual Integrations
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#10

Heptane

Concen: 8.226 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. -0.02 min

Lab File: VL036314.D

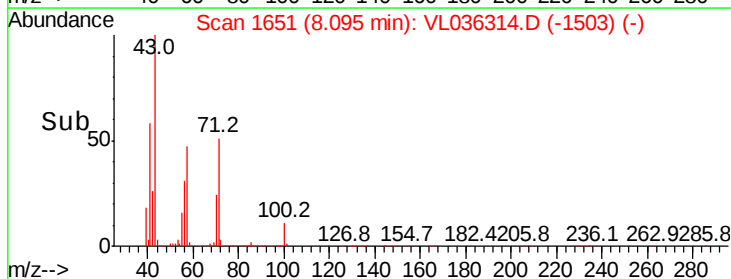
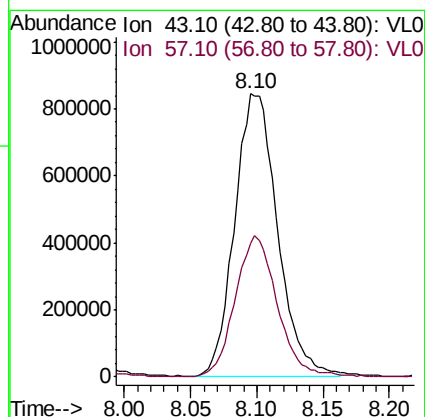
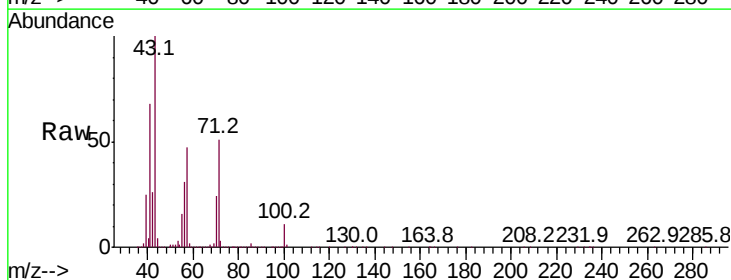
Acq: 10 Feb 2021 11:19

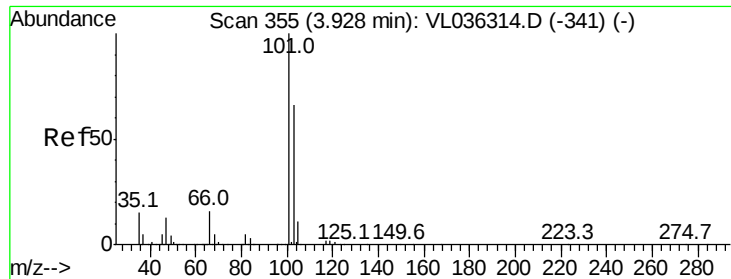
Tgt Ion: 43 Resp: 1883823

Ion Ratio Lower Upper

43 100

57 49.3 38.1 57.1





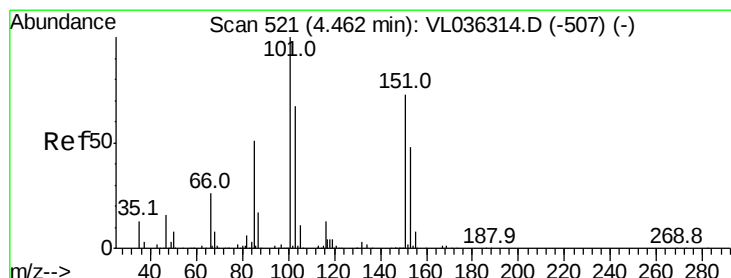
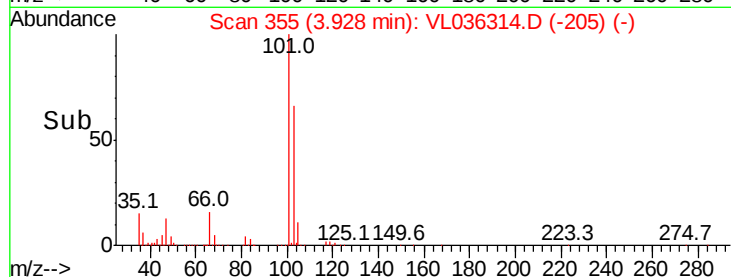
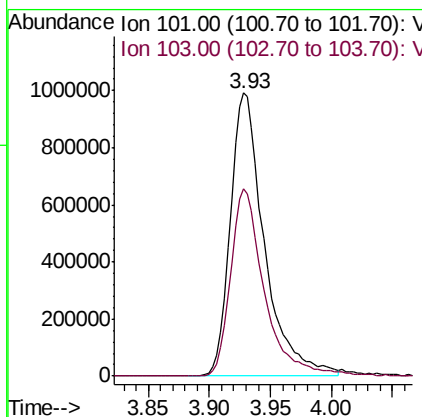
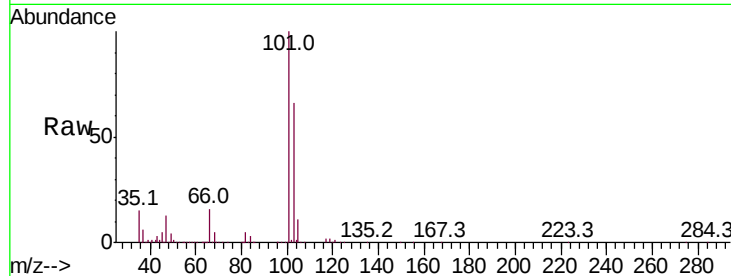
#11
 Trichlorofluoromethane
 Concen: 8.988 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 1932283
 Ion Ratio Lower Upper
 101 100
 103 66.1 52.6 78.8

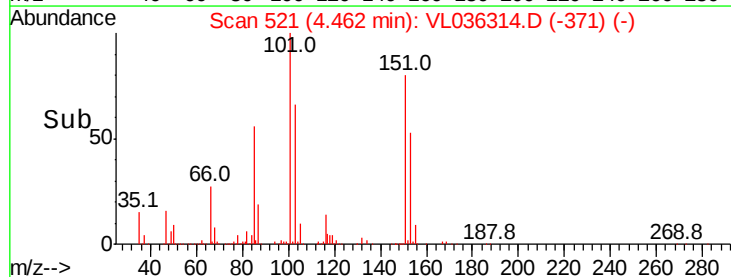
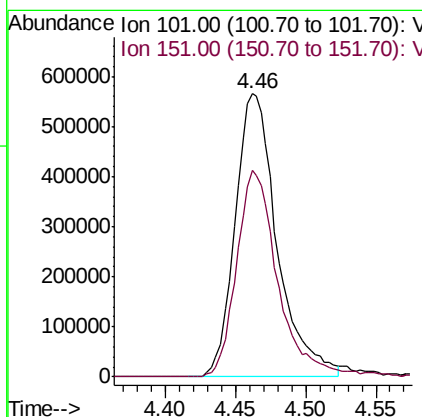
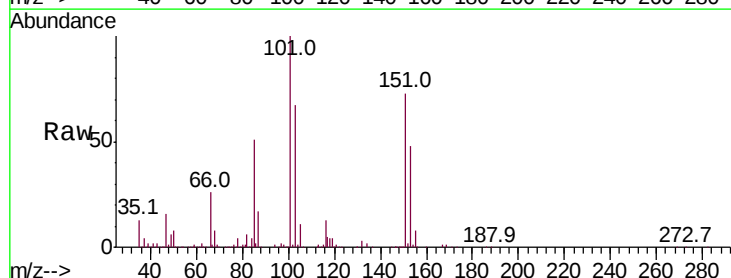
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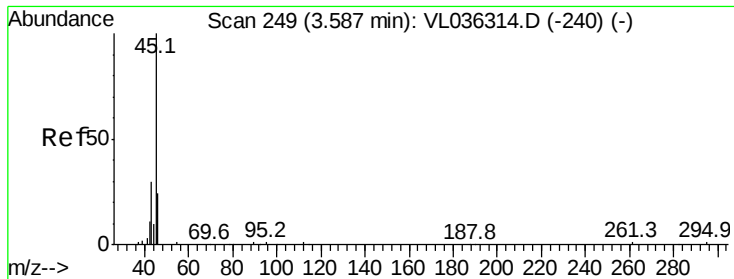
MMDadoda
 2/12/2021 1:41:48 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.047 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Tgt Ion:101 Resp: 1179160
 Ion Ratio Lower Upper
 101 100
 151 72.8 59.8 89.6





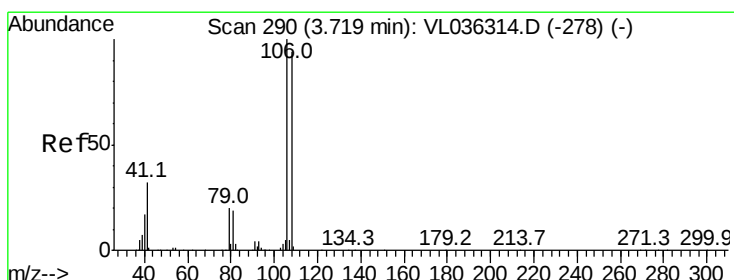
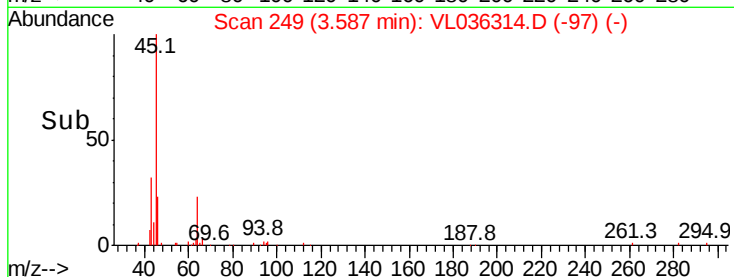
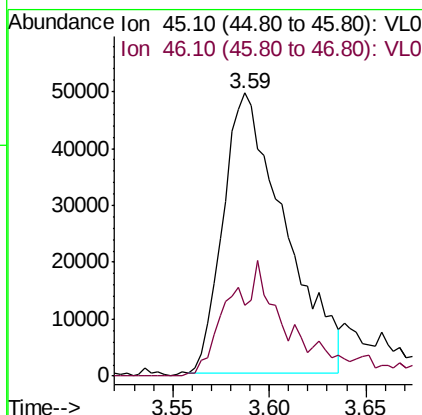
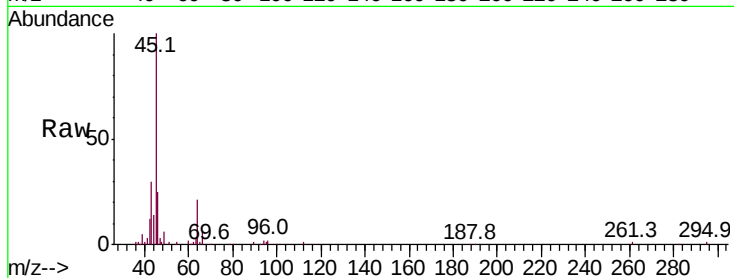
#13
Ethanol
Concen: 7.570 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.01 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	44.2	19.2	77.0

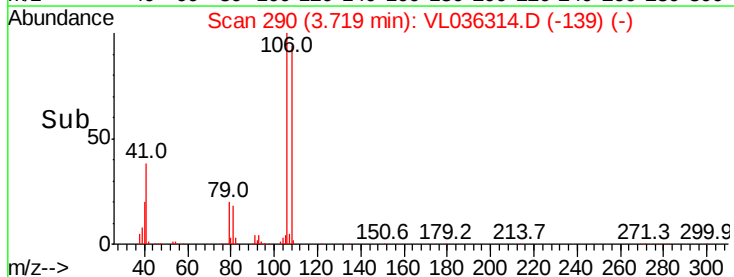
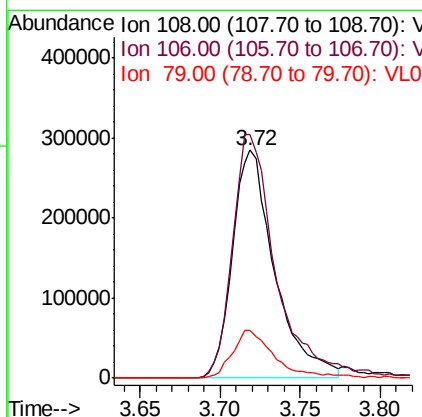
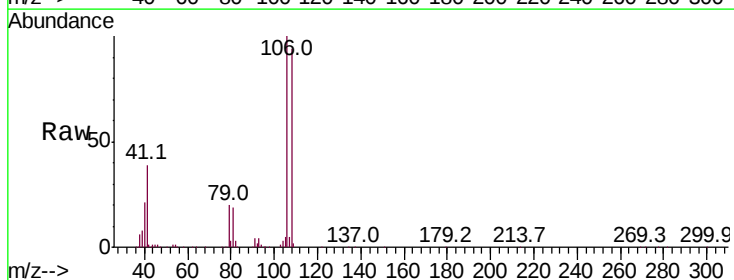
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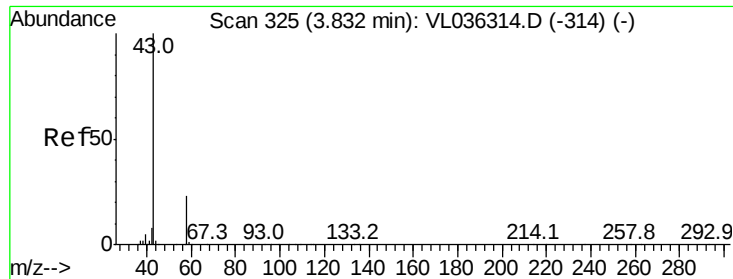
MMDadoda
2/12/2021 1:41:48 PM



#14
Bromoethene
Concen: 8.632 ppbv
RT: 3.72 min Scan# 290
Delta R.T. -0.01 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
108	100		
106	112.3	91.4	137.2
79	21.4	18.3	27.5





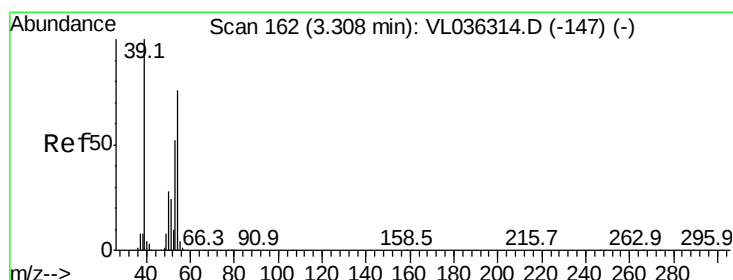
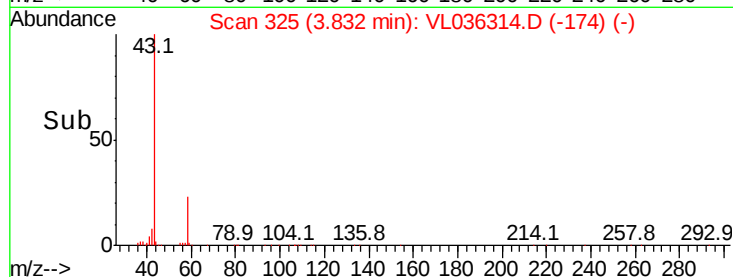
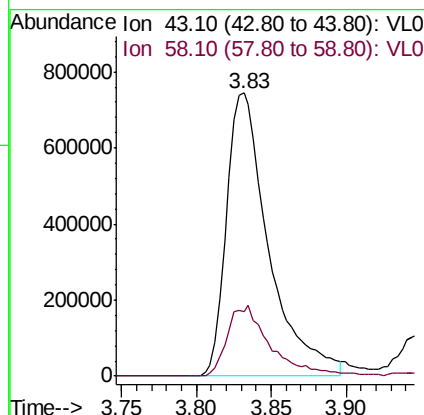
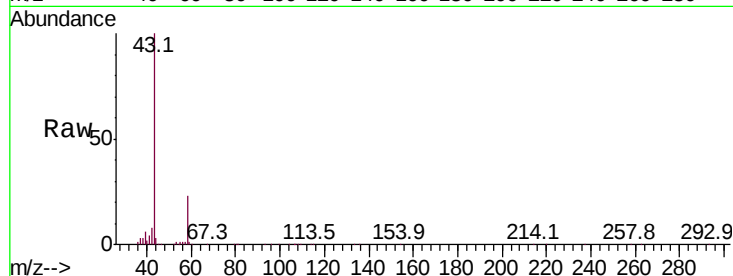
#15
Acetone
Concen: 7.569 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1462246
Ion Ratio Lower Upper
43 100
58 25.4 20.9 31.3

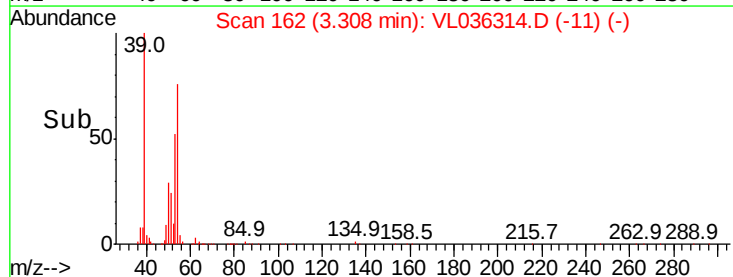
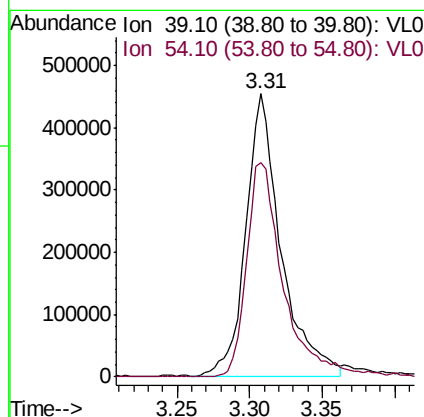
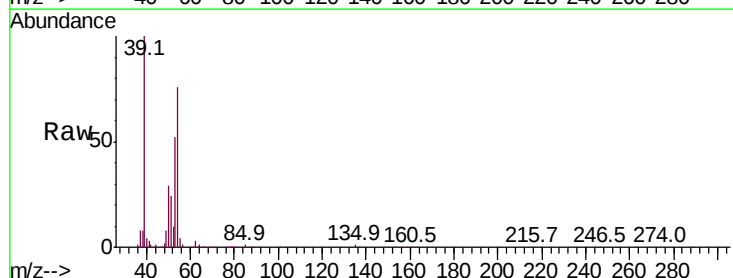
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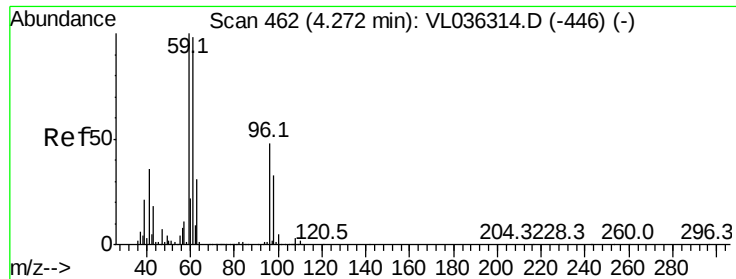
MMDadoda
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#16
1,3-Butadiene
Concen: 8.107 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.01 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 39 Resp: 762971
Ion Ratio Lower Upper
39 100
54 80.5 62.5 93.7





#17

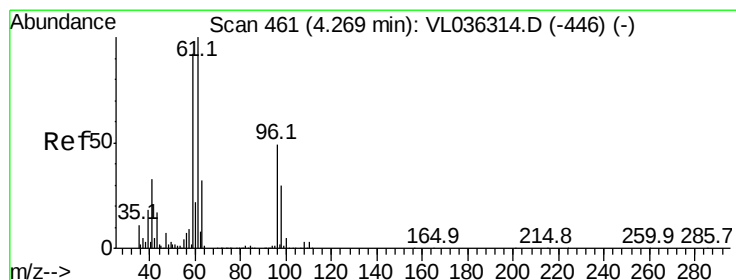
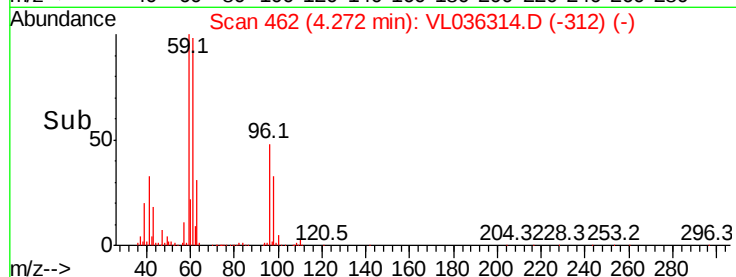
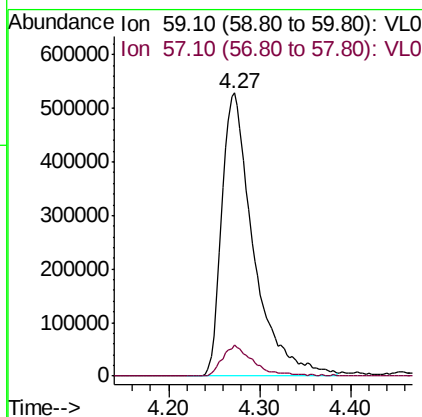
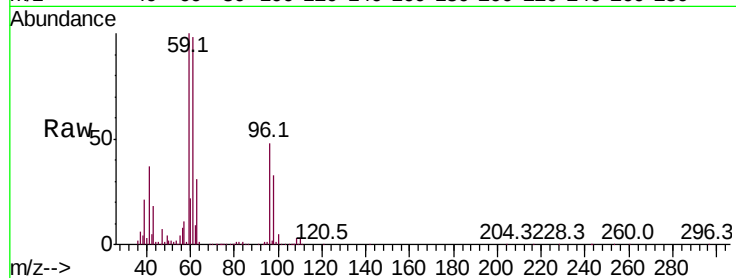
tert-Butyl alcohol
Concen: 8.070 ppbv m
RT: 4.27 min Scan# 462
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1286592
Ion Ratio Lower Upper
59 100
57 11.2 9.2 13.8

Manual Integrations
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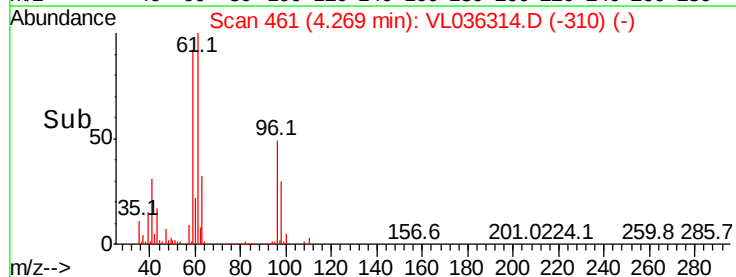
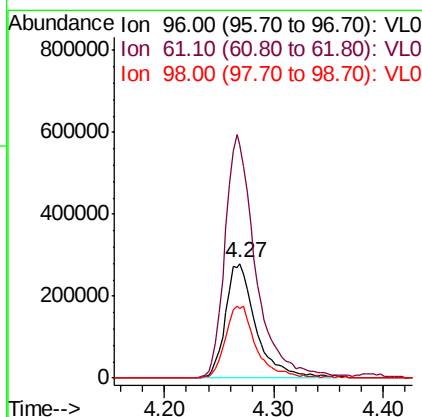
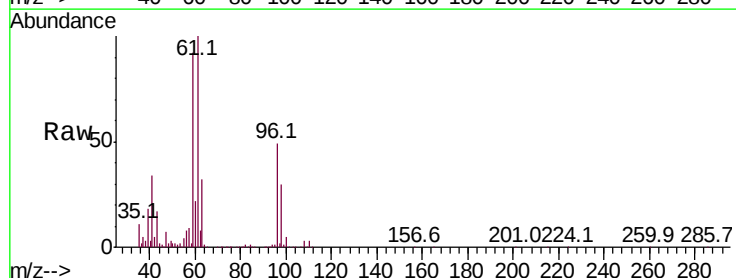
MMDadoda
2/12/2021 1:41:48 PM

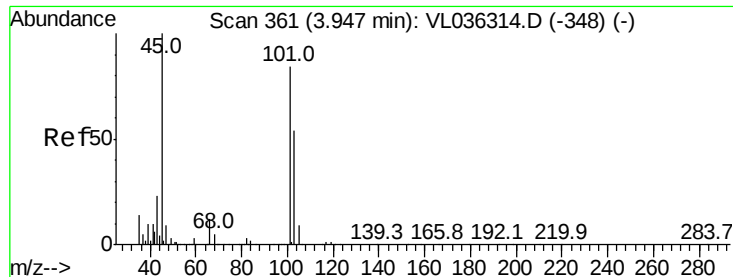


#18

1,1-Dichloroethene
Concen: 9.034 ppbv m
RT: 4.27 min Scan# 461
Delta R.T. -0.01 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 96 Resp: 545868
Ion Ratio Lower Upper
96 100
61 203.1 173.4 260.0
98 60.6 54.9 82.3





#19

Isopropyl Alcohol

Concen: 7.288 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 848857

Ion Ratio Lower Upper

45 100

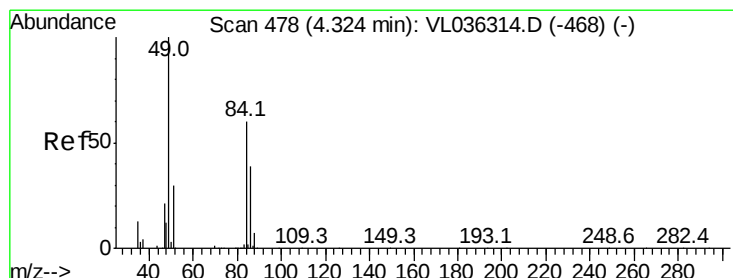
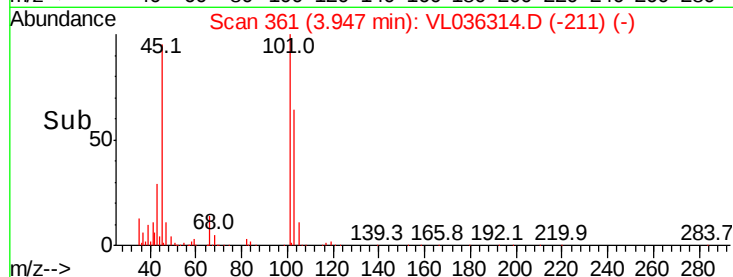
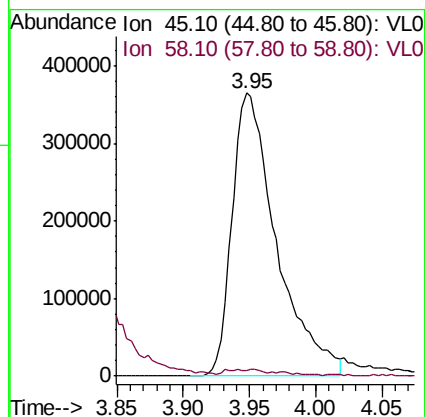
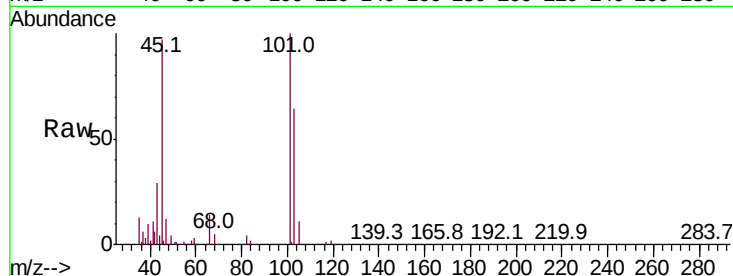
58 2.4 1.9 2.9

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#20

Methylene Chloride

Concen: 7.768 ppbv m

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Tgt Ion: 84 Resp: 478969

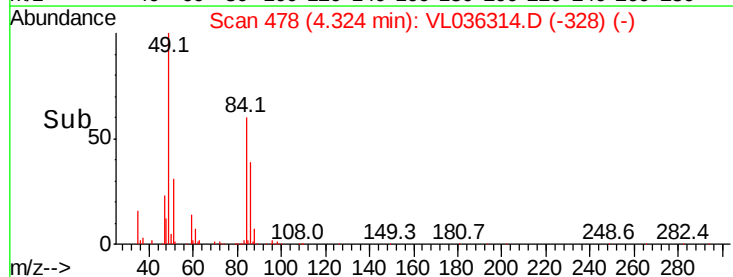
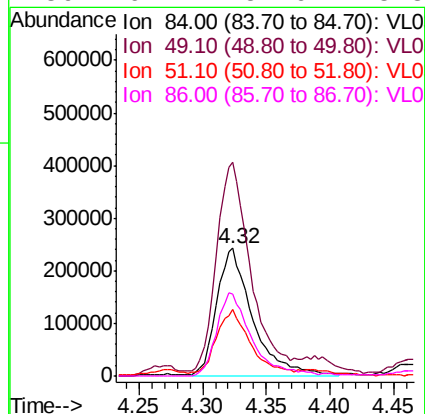
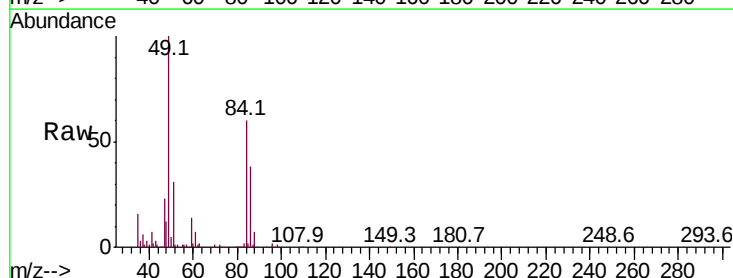
Ion Ratio Lower Upper

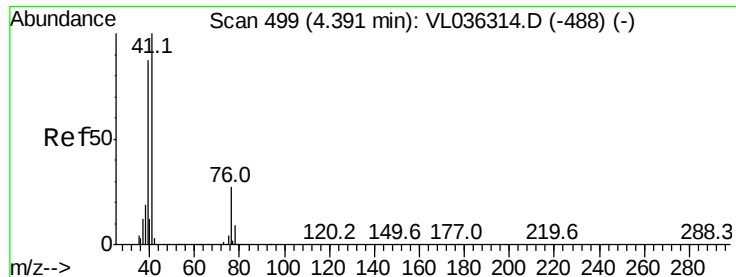
84 100

49 167.3 134.1 201.1

51 51.7 37.4 56.0

86 64.4 52.6 78.8





#21

Allvl Chloride

Concen: 8.575 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.01 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

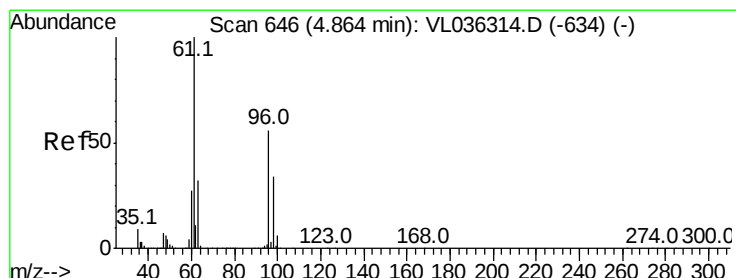
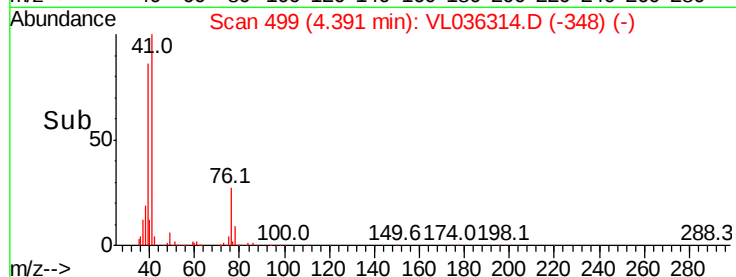
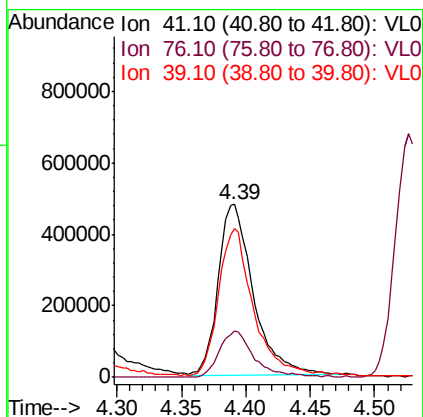
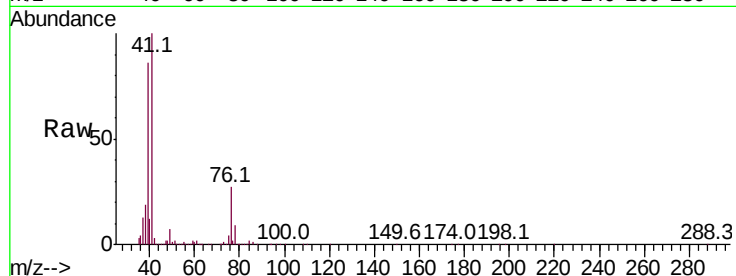
ClientSampleId :

VSTDICCC010

Tot Ion:	41	Resp:	901813
Ion Ratio		Lower	Upper
41	100		
76	27.5	20.5	30.7
39	87.7	67.8	101.8

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#22

trans-1,2-Dichloroethene

Concen: 9.078 ppbv

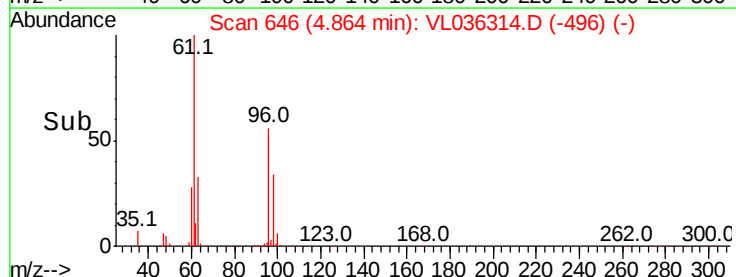
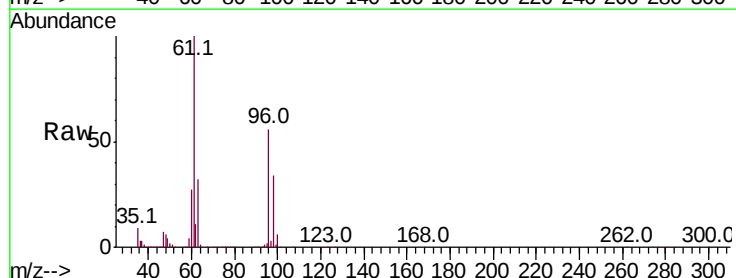
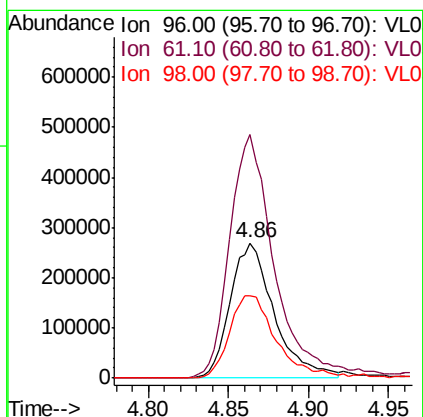
RT: 4.86 min Scan# 646

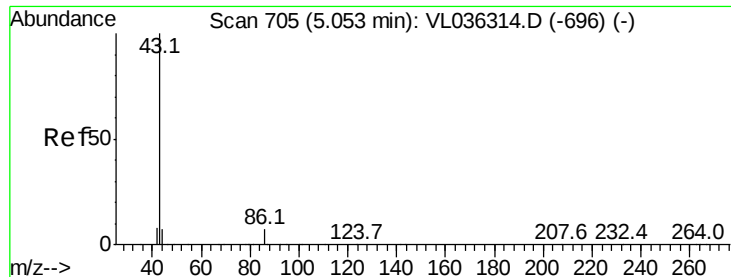
Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Tgt Ion:	96	Resp:	506794
Ion Ratio		Lower	Upper
96	100		
61	179.6	142.7	214.1
98	60.6	48.7	73.1





#23

Vinyl Acetate

Concen: 8.503 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1990540

Ion Ratio Lower Upper

43 100

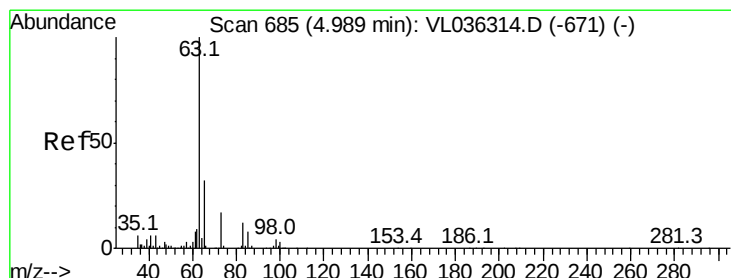
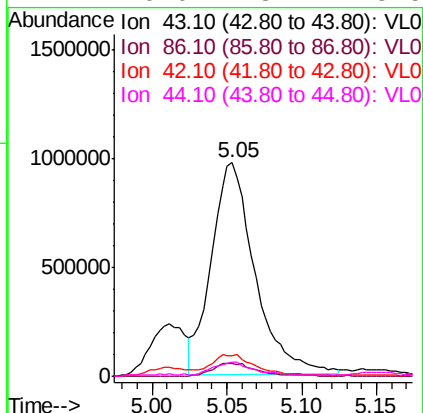
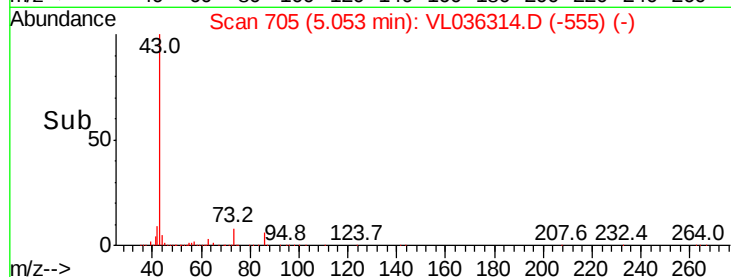
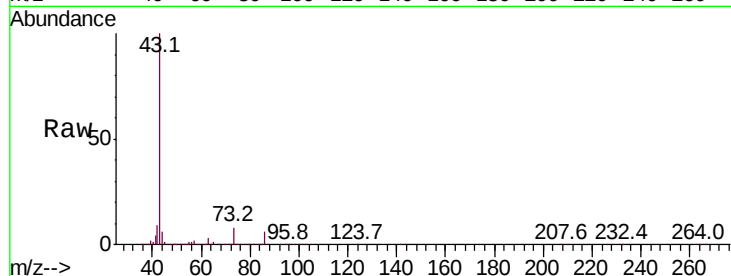
86 6.0 4.9 7.3

42 9.2 7.8 11.6

44 6.0 3.7 5.5#

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#24

1,1-Dichloroethane

Concen: 8.505 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

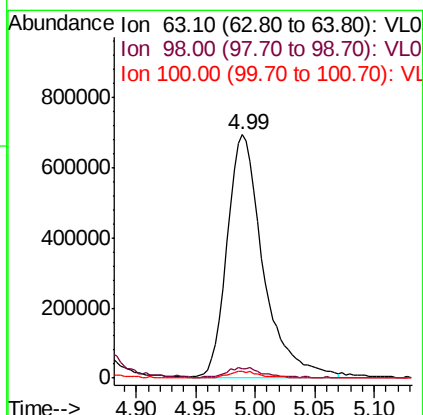
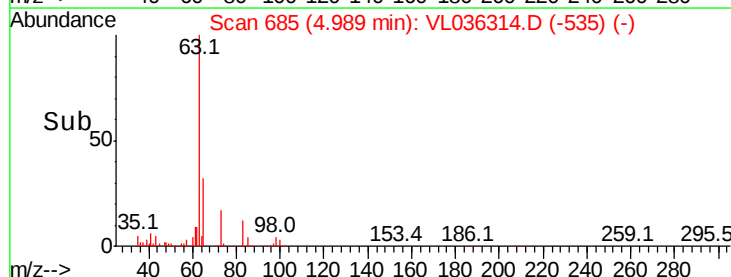
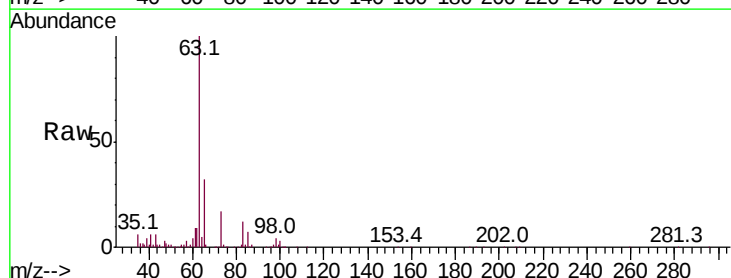
Tgt Ion: 63 Resp: 1442198

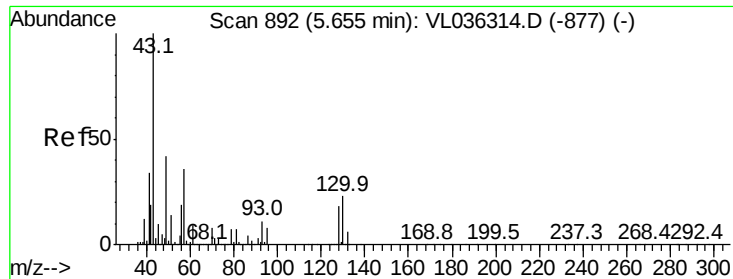
Ion Ratio Lower Upper

63 100

98 4.0 1.7 5.1

100 2.9 1.1 3.1





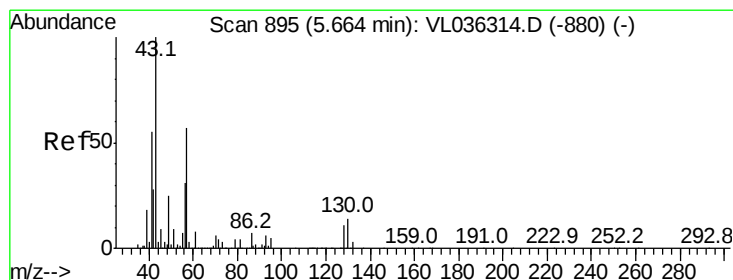
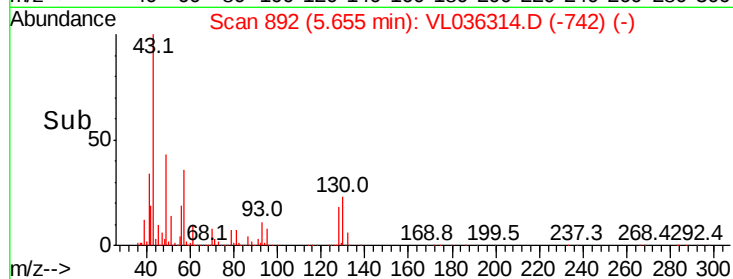
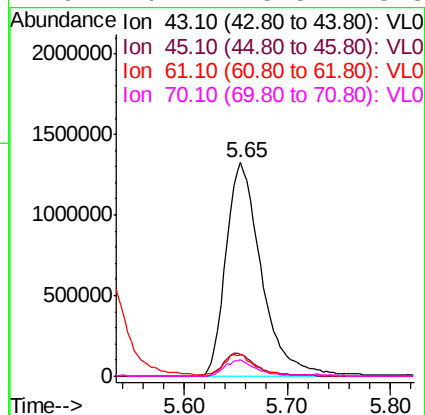
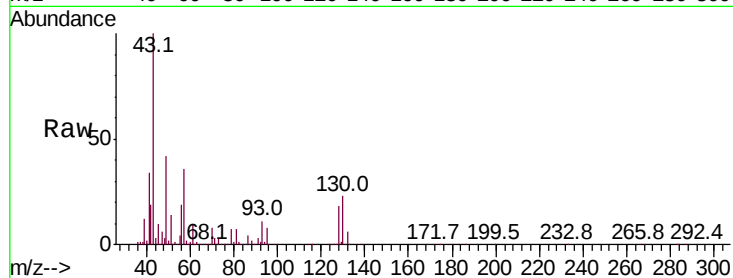
#25
Ethyl Acetate
Concen: 8.148 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.3	12.5
61	9.1	7.4	11.2
70	6.7	5.5	8.3

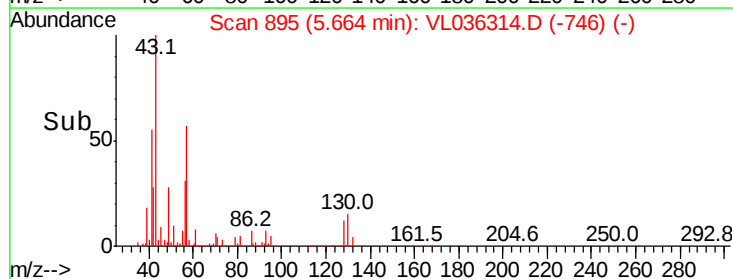
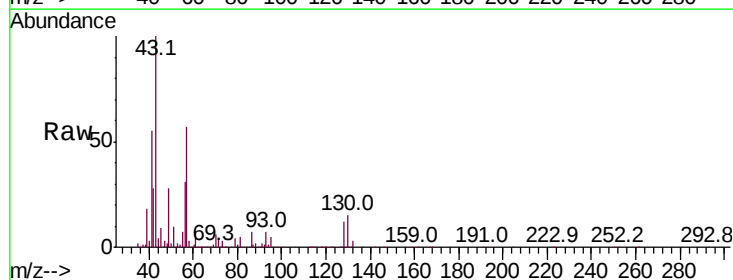
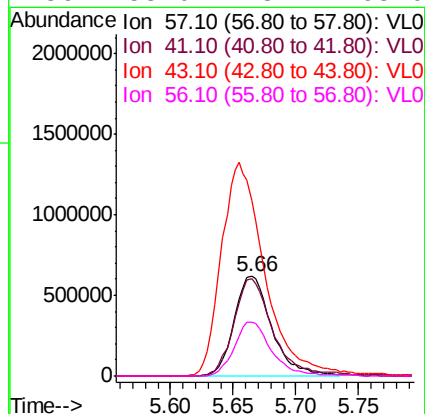
Manual Integrations
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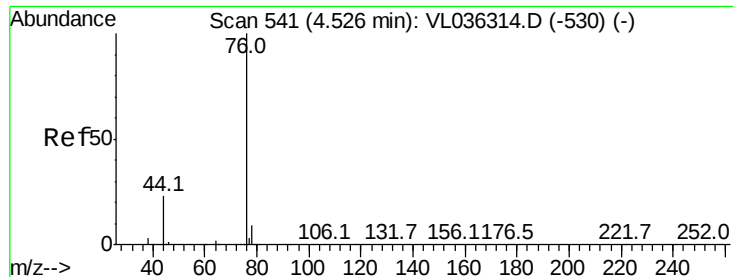
MMDadoda
2/12/2021 1:41:48 PM



#26
Hexane
Concen: 7.968 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.1	83.0	124.6
43	248.9	202.4	303.6
56	55.0	43.4	65.0





#27

Carbon Disulfide

Concen: 10.258 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

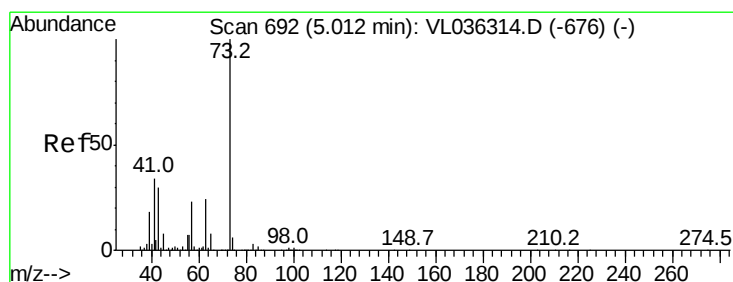
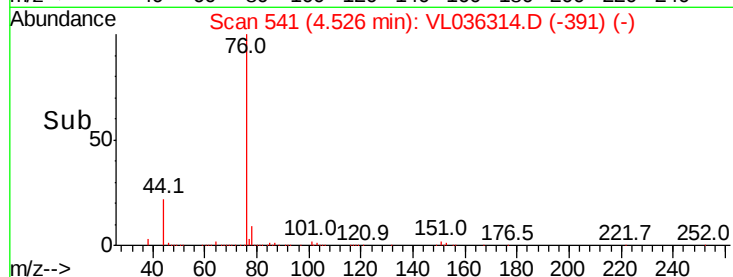
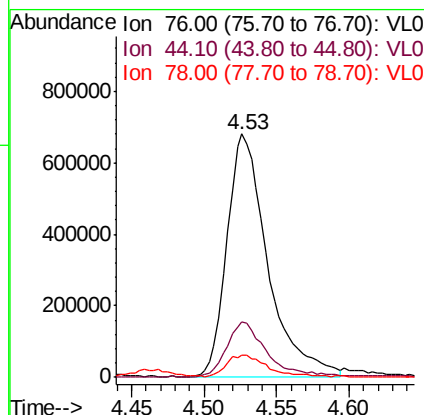
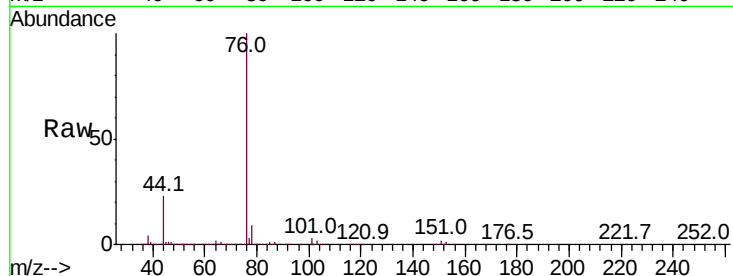
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 76 Resp: 1324560

Ion	Ratio	Lower	Upper
76	100		
44	23.0	19.0	28.6
78	10.0	8.0	12.0

Manual Integrations
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2/12/2021 1:41:48 PM



#28

Methyl tert-Butyl Ether

Concen: 7.987 ppbv

RT: 5.01 min Scan# 692

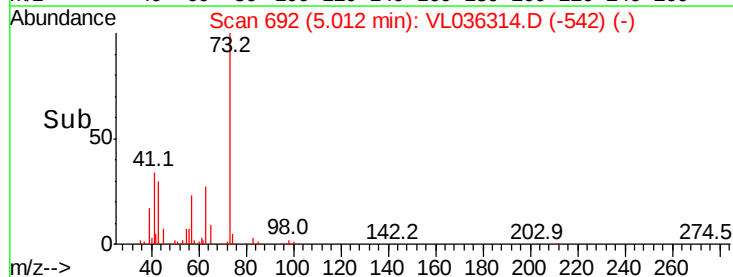
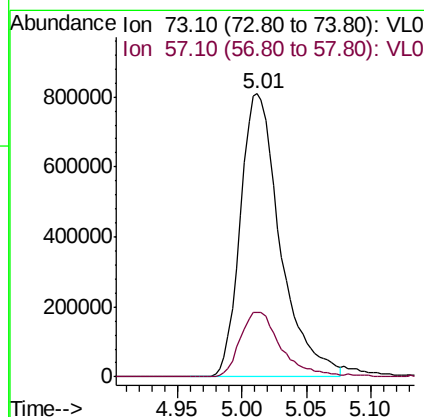
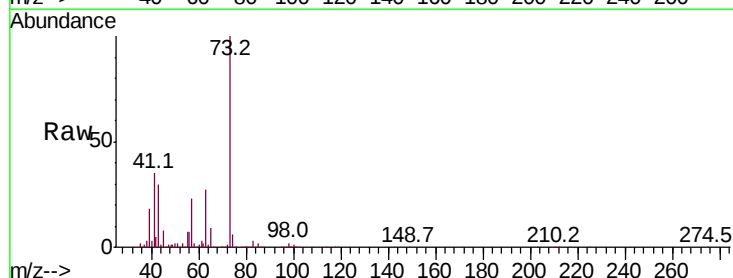
Delta R.T. -0.02 min

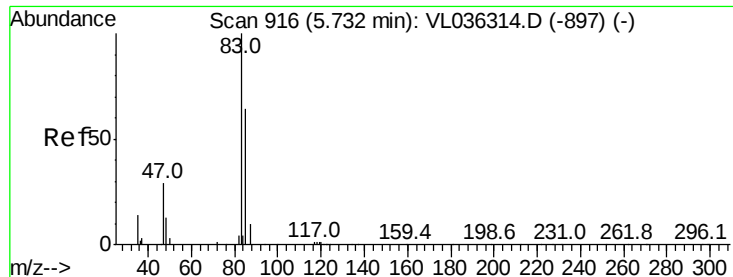
Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Tgt Ion: 73 Resp: 1744372

Ion	Ratio	Lower	Upper
73	100		
57	24.0	20.4	30.6





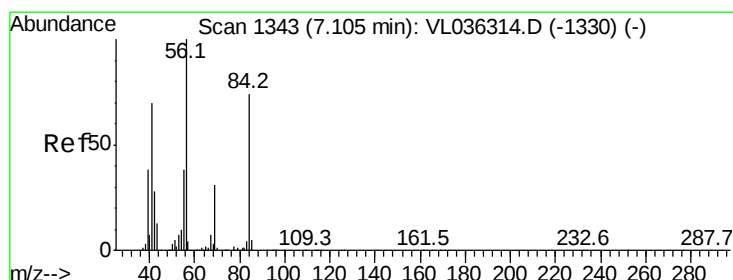
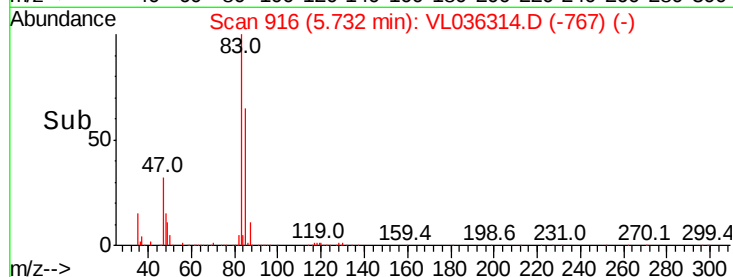
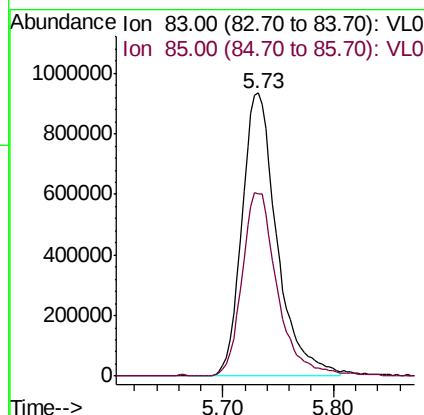
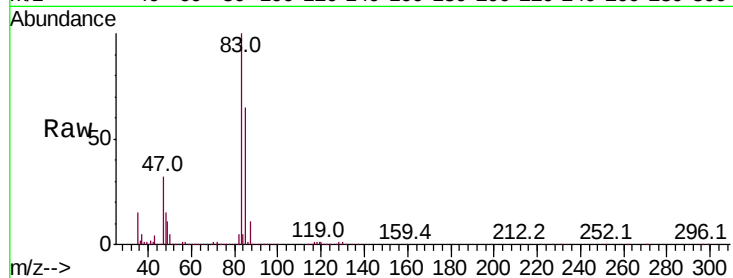
#29
Chloroform
Concen: 8.878 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2052811
Ion Ratio Lower Upper
83 100
85 64.3 49.3 73.9

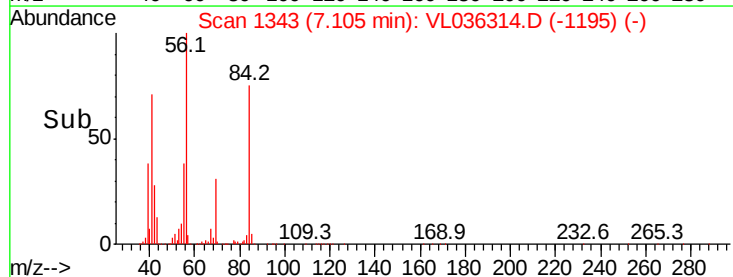
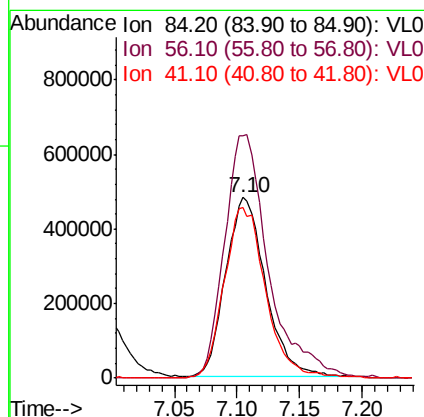
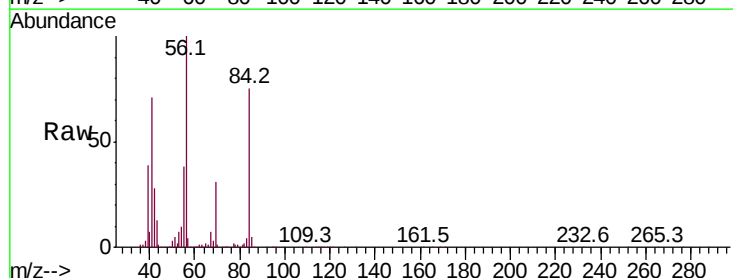
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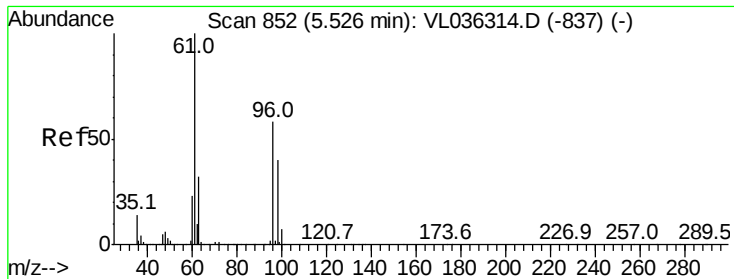
MMDadoda
2/12/2021 1:41:48 PM



#30
Cyclohexane
Concen: 8.661 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 84 Resp: 1068787
Ion Ratio Lower Upper
84 100
56 150.3 119.4 179.0
41 99.6 79.4 119.0





#31

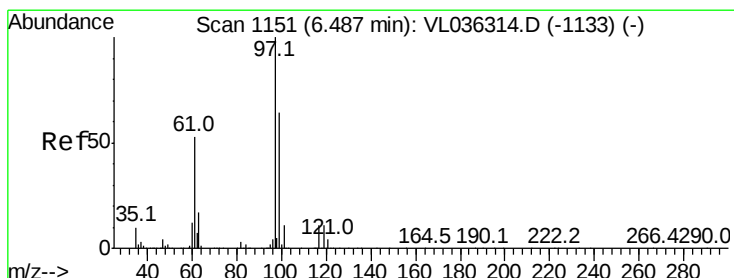
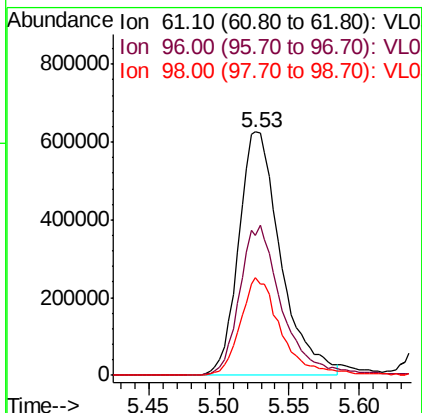
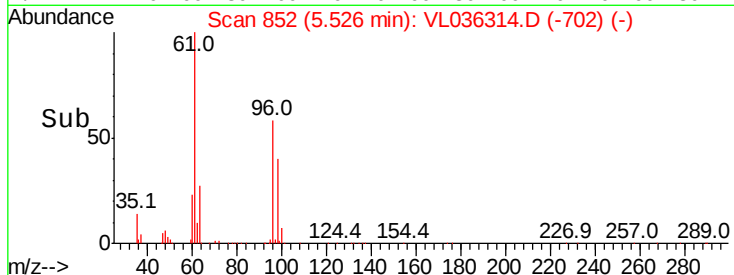
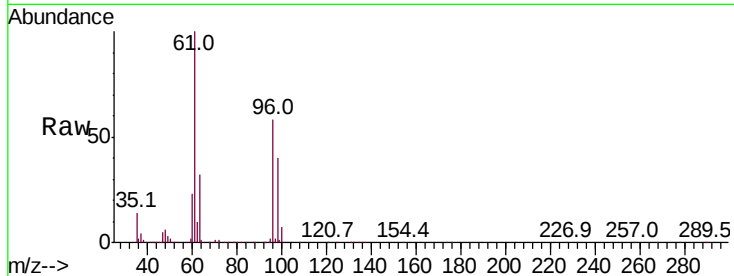
cis-1,2-Dichloroethene
Concen: 8.473 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.5	44.1	66.1
98	39.9	28.6	42.8

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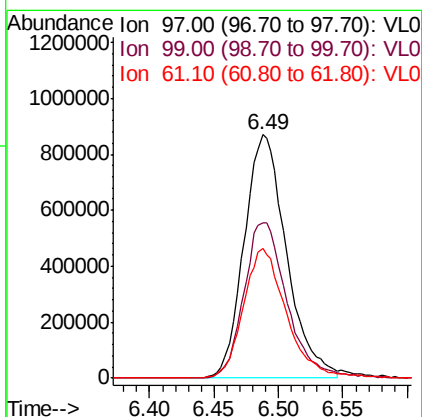
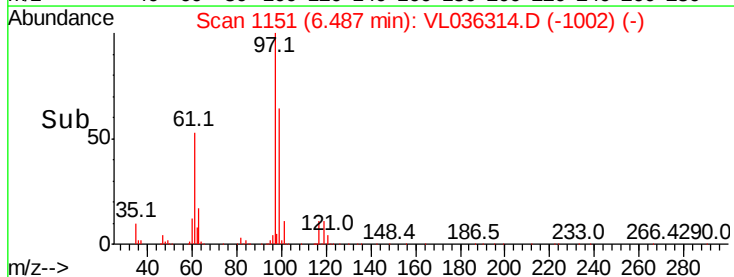
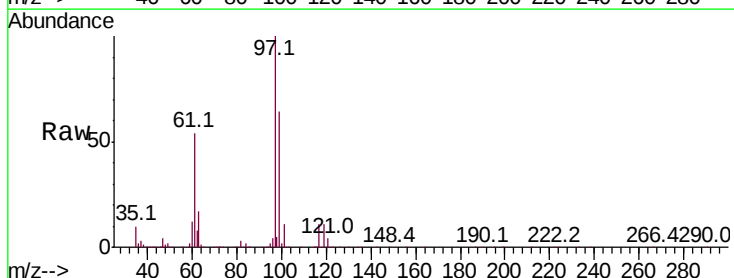
MMDadoda
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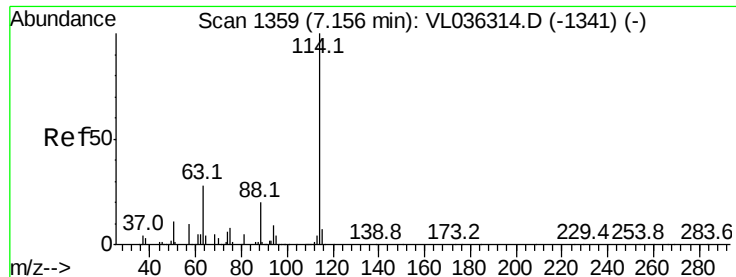


#32

1,1,1-Trichloroethane
Concen: 8.924 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.0	78.0
61	54.1	43.6	65.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

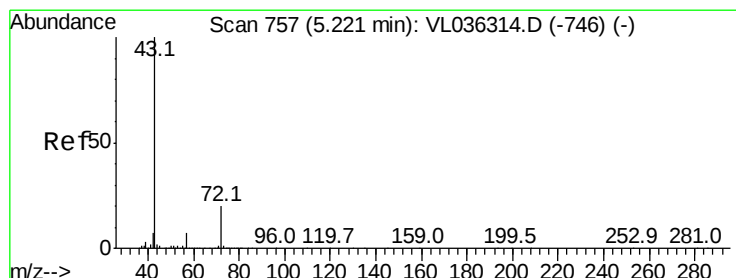
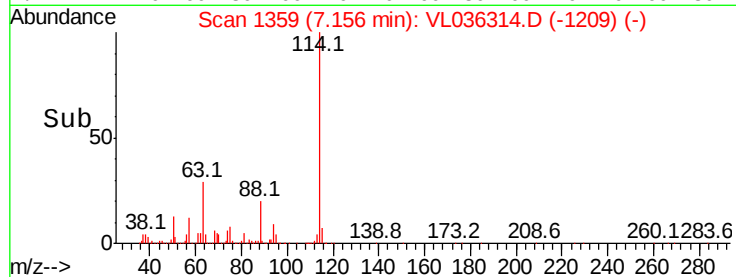
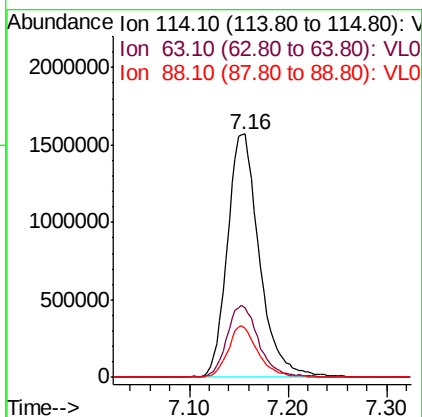
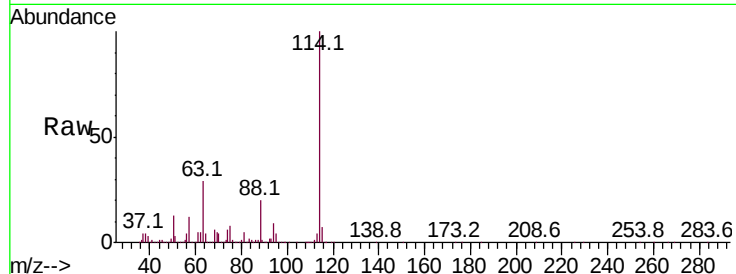
Instrument :
MSVOA_L

ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.1	24.7	37.1
88	20.0	16.6	24.8

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#34

2-Butanone

Concen: 7.544 ppbv

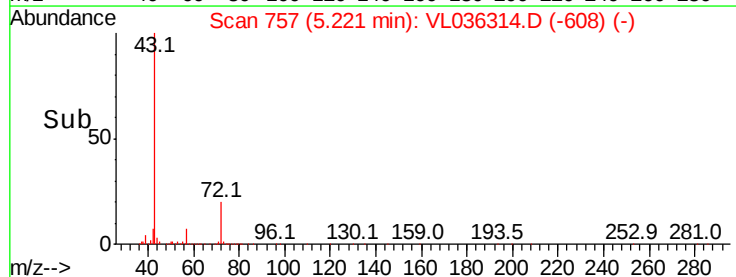
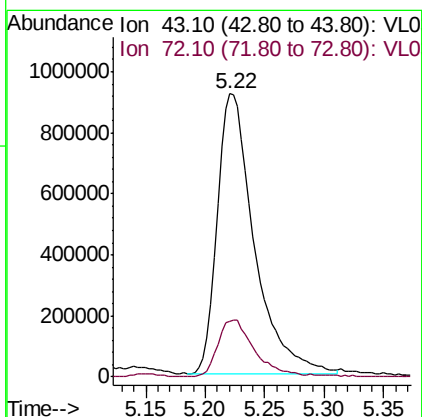
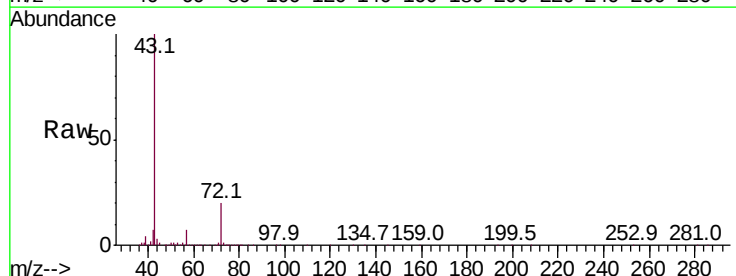
RT: 5.22 min Scan# 757

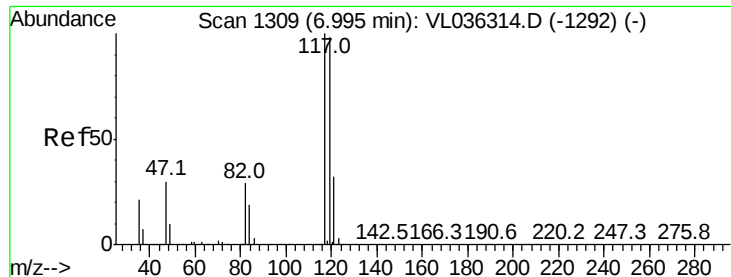
Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.9	16.1	24.1





#35

Carbon Tetrachloride

Concen: 9.205 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 2072195

Ion Ratio Lower Upper

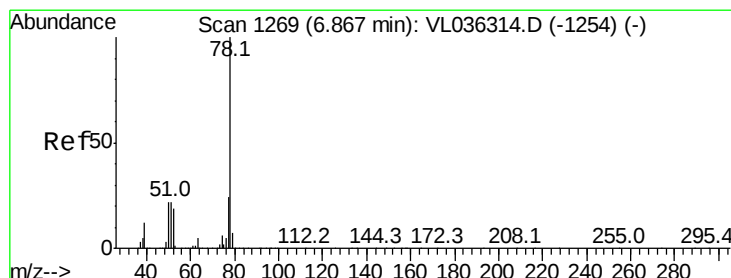
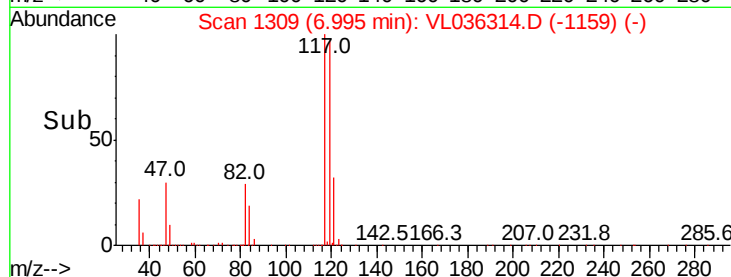
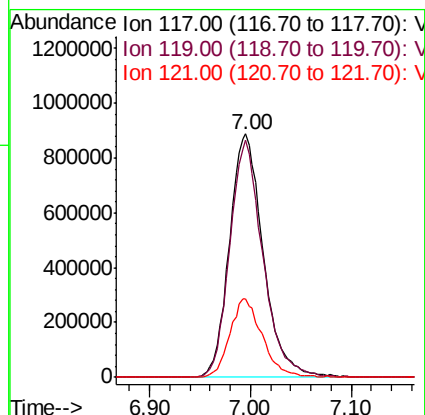
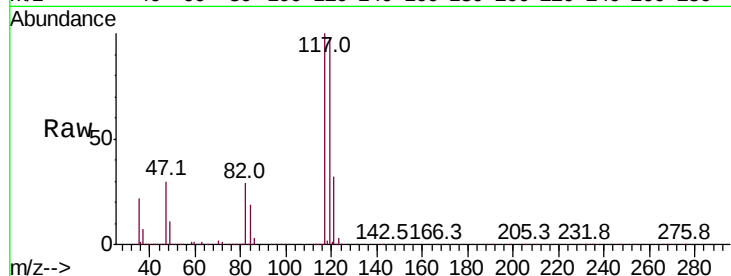
117 100

119 97.6 74.9 112.3

121 32.3 25.0 37.6

Manual Integrations
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#36

Benzene

Concen: 8.211 ppbv

RT: 6.87 min Scan# 1269

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

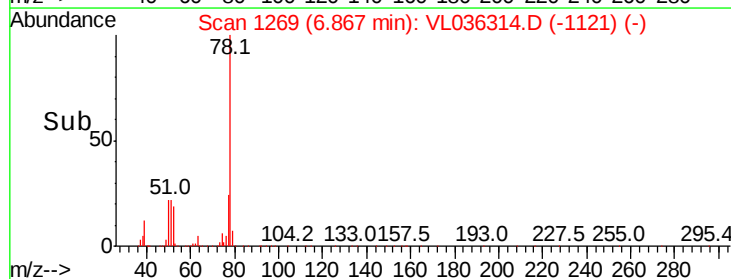
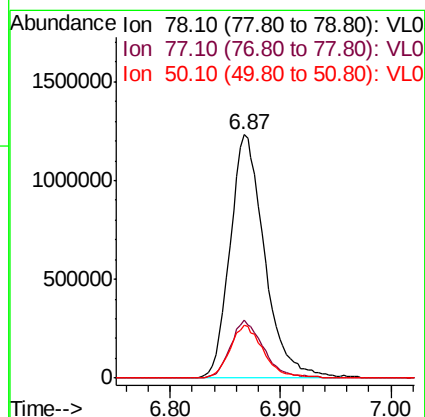
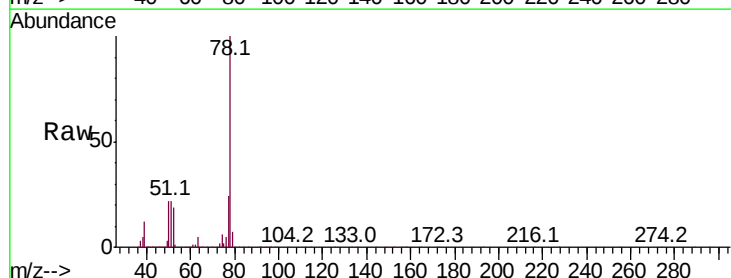
Tgt Ion: 78 Resp: 2680686

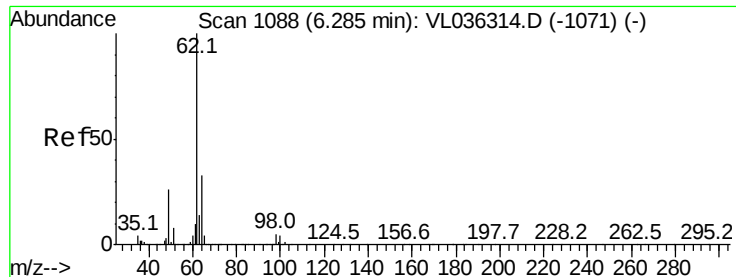
Ion Ratio Lower Upper

78 100

77 23.6 19.4 29.0

50 21.6 17.4 26.2





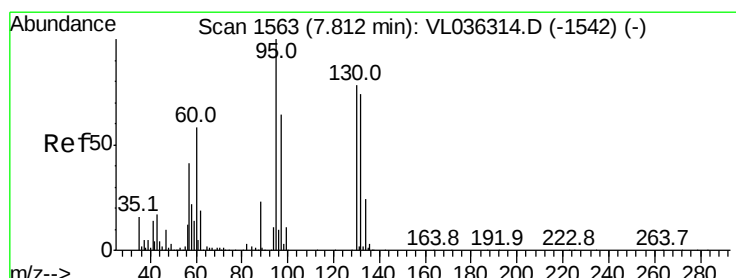
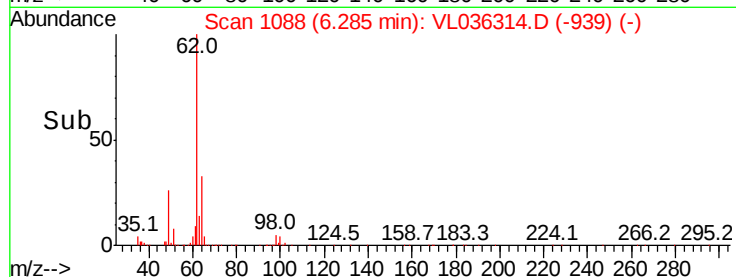
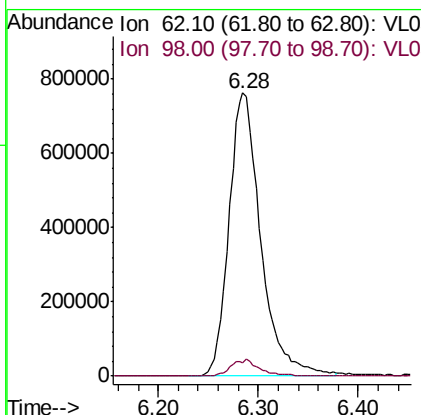
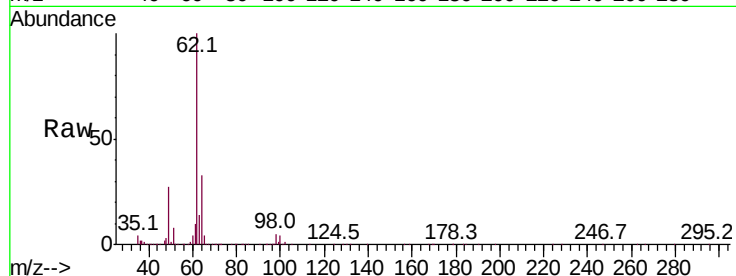
#37
 1,2-Dichloroethane
 Concen: 8.459 ppbv m
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.6	4.4	6.6

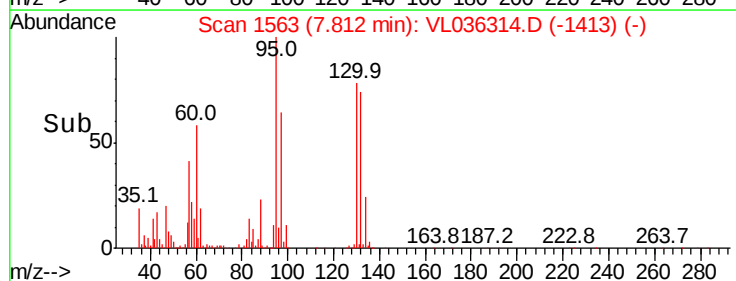
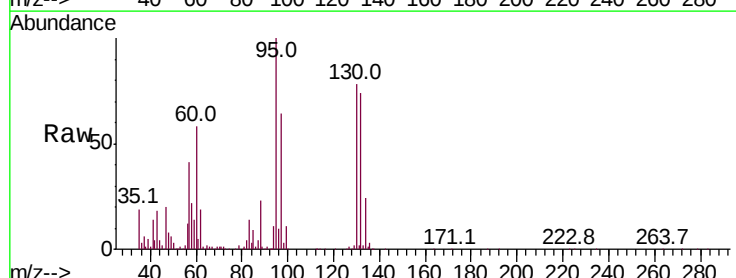
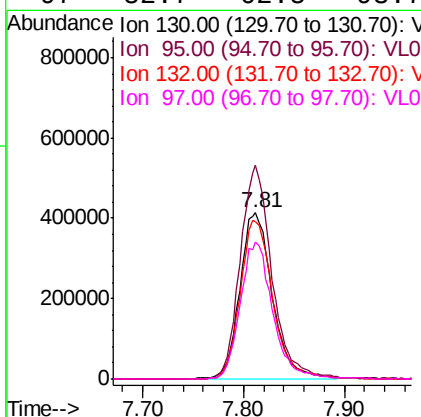
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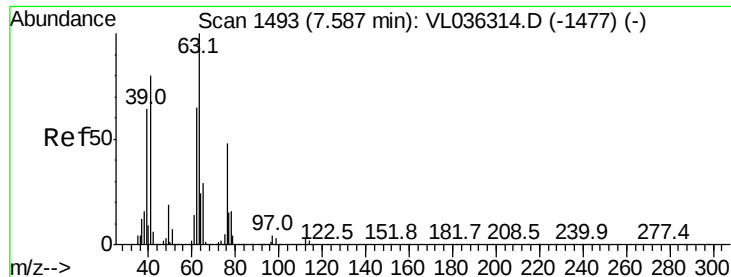
MMDadoda
 2/12/2021 1:41:48 PM



#38
 Trichloroethene
 Concen: 7.644 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	128.5	103.9	155.9
132	94.6	77.4	116.2
97	82.7	62.5	93.7





#39

1,2-Dichloropropane

Concen: 8.195 ppbv

RT: 7.59 min Scan# 1493

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 63 Resp: 1086231

Ion Ratio Lower Upper

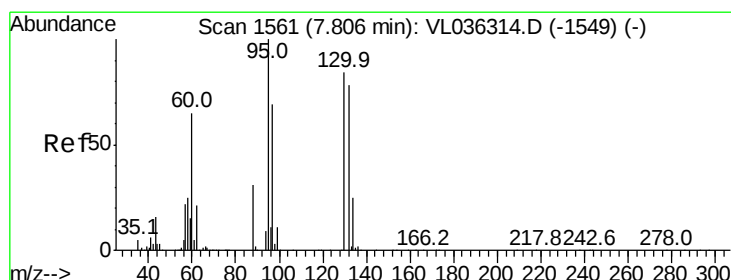
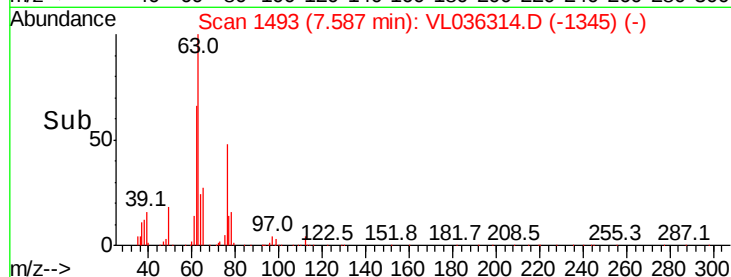
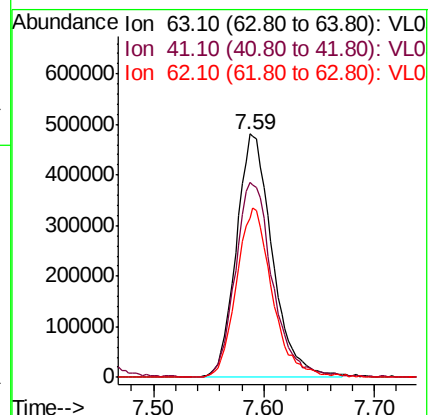
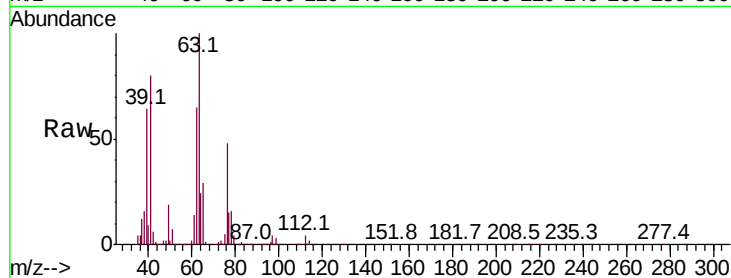
63 100

41 79.7 66.1 99.1

62 65.4 54.8 82.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 7.506 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Tgt Ion: 88 Resp: 359922

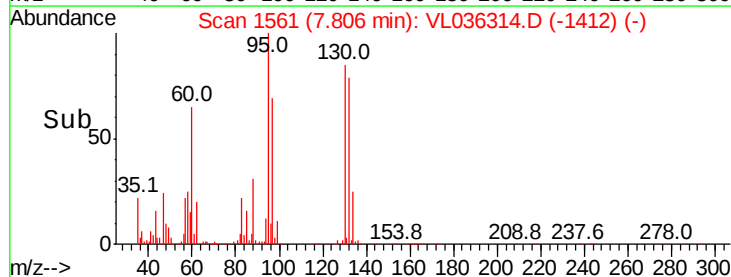
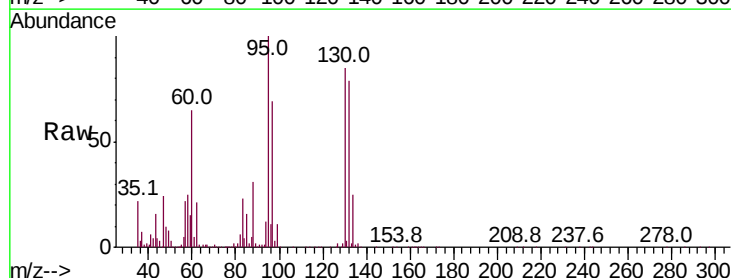
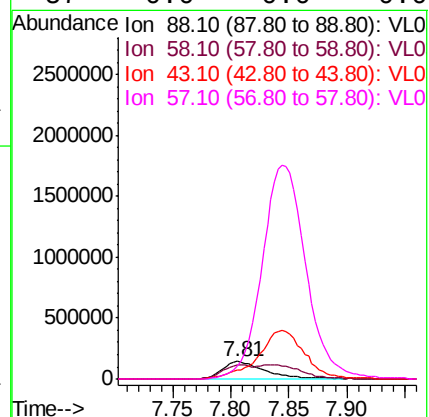
Ion Ratio Lower Upper

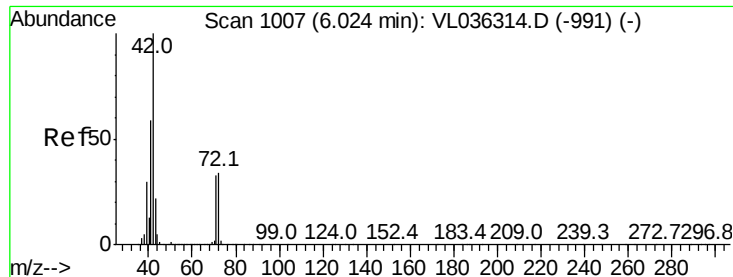
88 100

58 56.2 123.0 184.6#

43 0.0 0.0 0.0

57 0.0 0.0 0.0





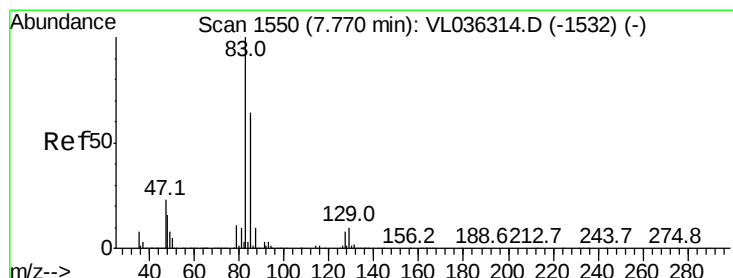
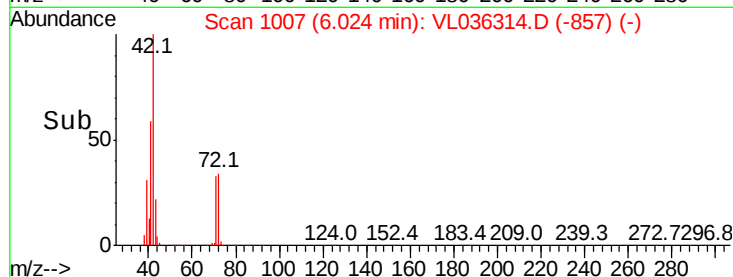
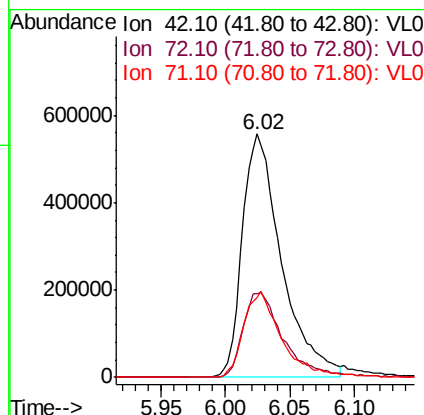
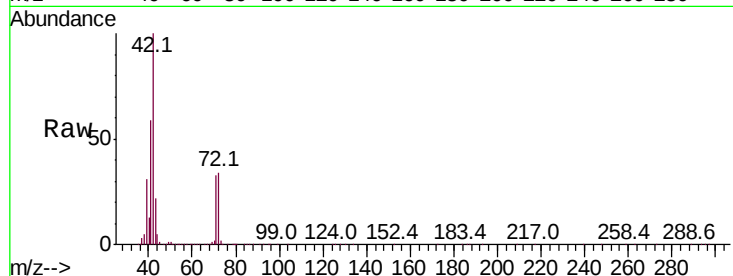
#41
Tetrahydrofuran
Concen: 7.772 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.6	29.5	44.3
71	34.8	29.1	43.7

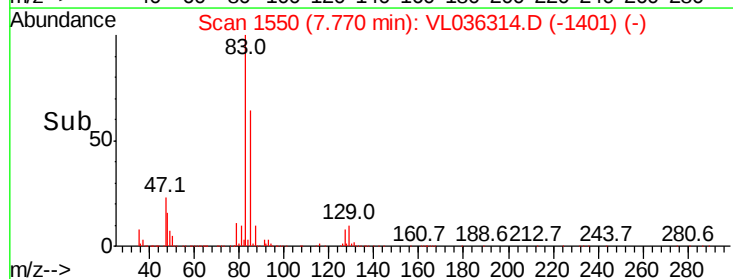
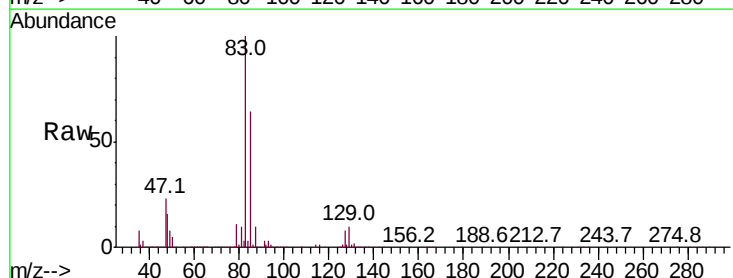
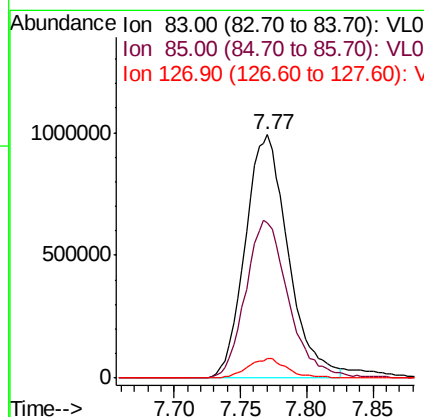
Manual Integrations
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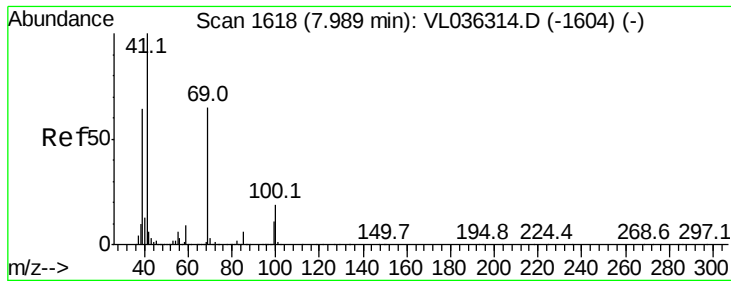
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#42
Bromodichloromethane
Concen: 9.057 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.4	80.2
127	7.9	6.2	9.2





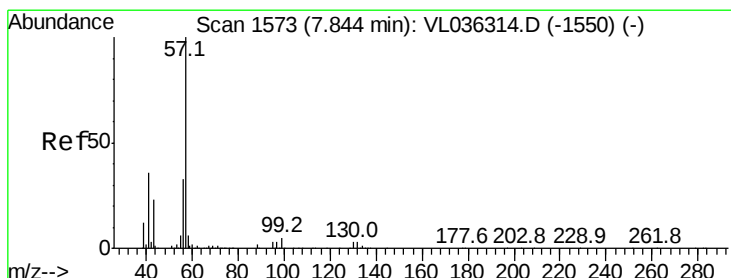
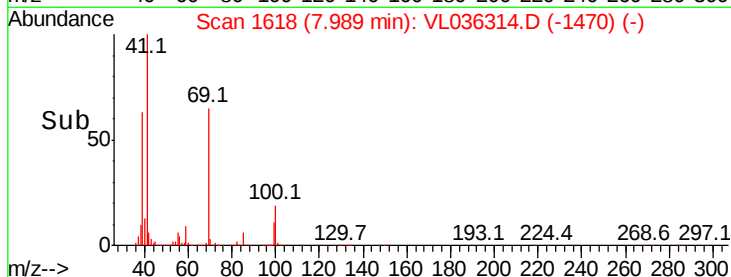
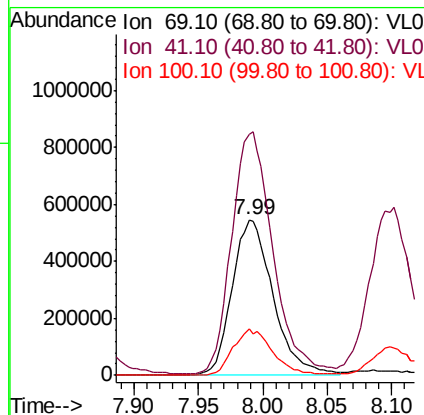
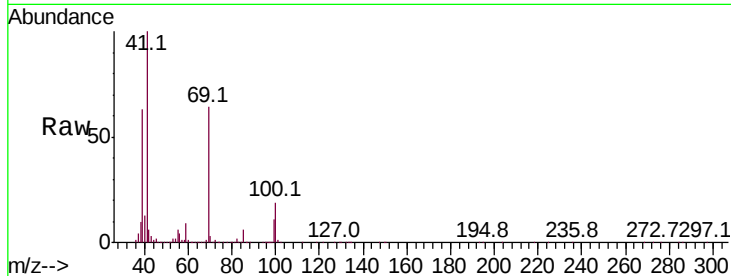
#43
Methvl Methacrvlate
Concen: 8.691 ppbv
RT: 7.99 min Scan# 1618
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1205732
Ion Ratio Lower Upper
69 100
41 158.1 133.4 200.2
100 28.9 24.3 36.5

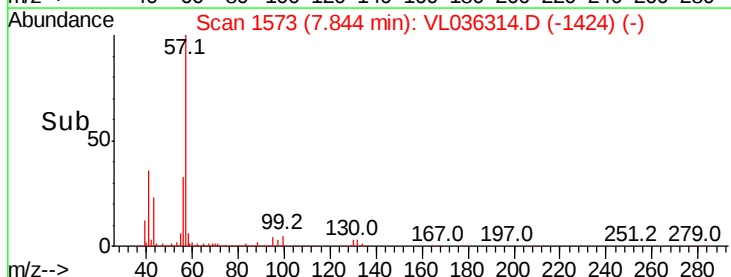
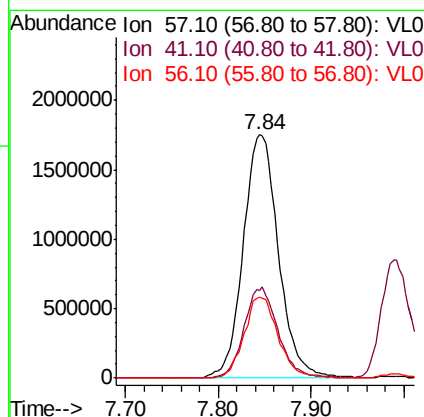
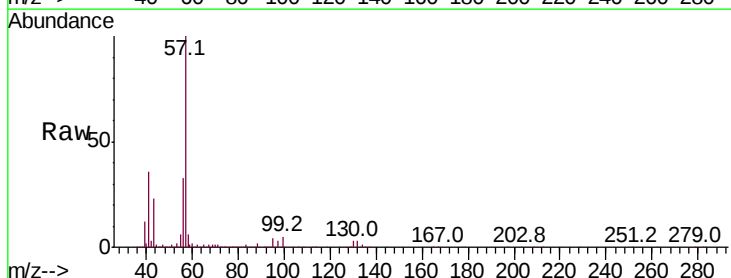
Manual Integrations
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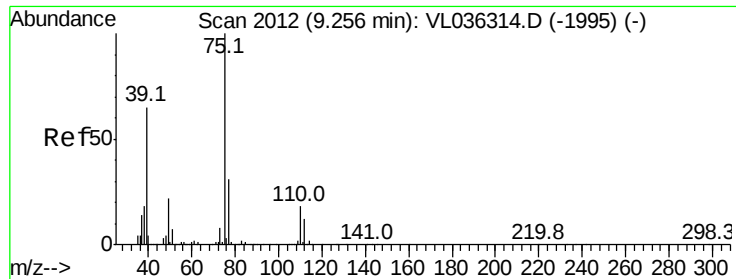
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#44
2,2,4-Trimethylpentane
Concen: 7.713 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 57 Resp: 4625295
Ion Ratio Lower Upper
57 100
41 36.0 28.5 42.7
56 32.2 25.5 38.3





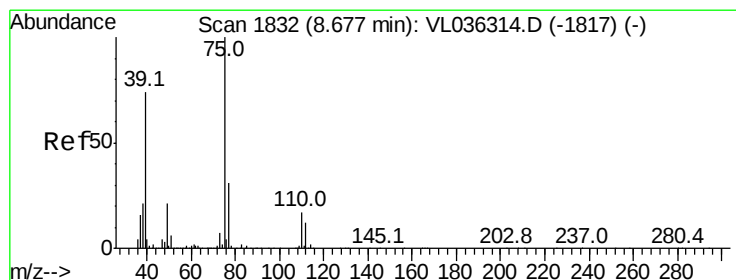
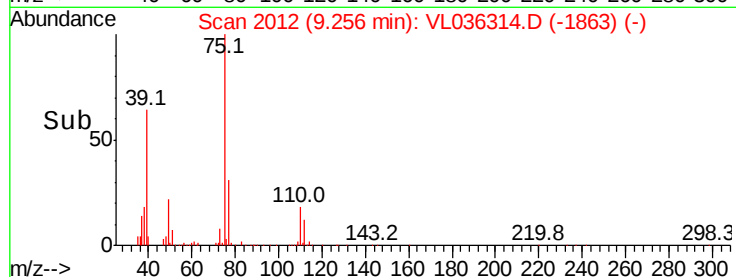
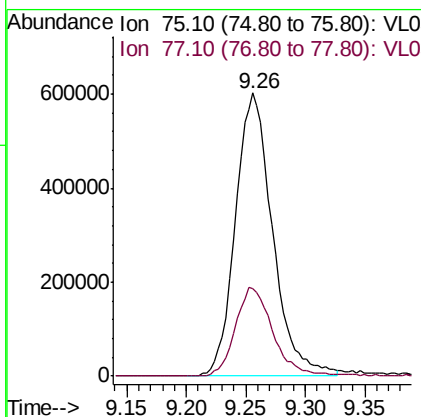
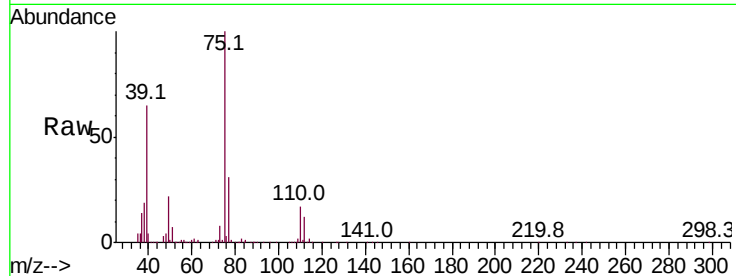
#45
t-1,3-Dichloropropene
Concen: 9.870 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1300649
Ion Ratio Lower Upper
75 100
77 30.8 24.7 37.1

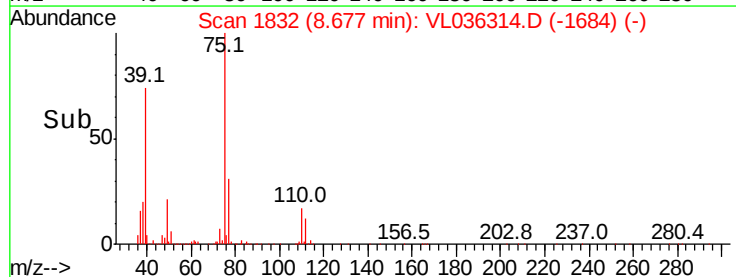
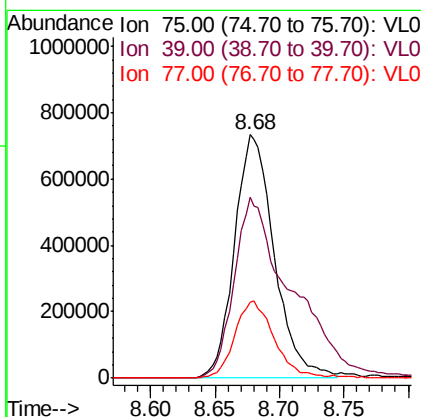
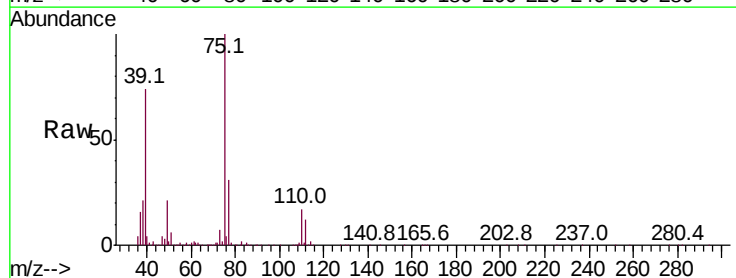
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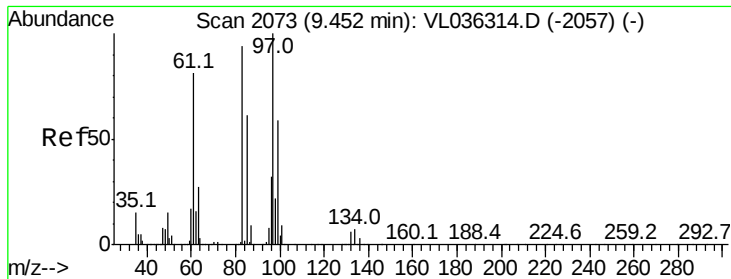
MMDadoda
2/12/2021 1:41:48 PM



#46
cis-1,3-Dichloropropene
Concen: 9.266 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 75 Resp: 1569042
Ion Ratio Lower Upper
75 100
39 74.0 61.2 91.8
77 31.3 24.6 37.0





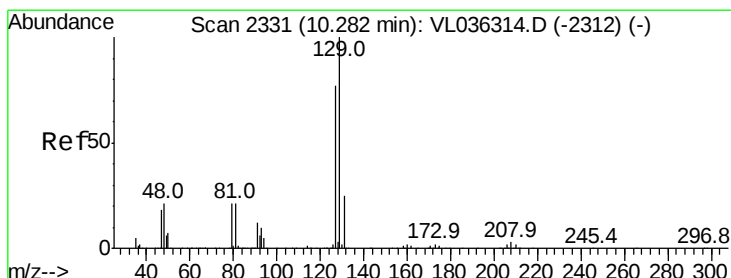
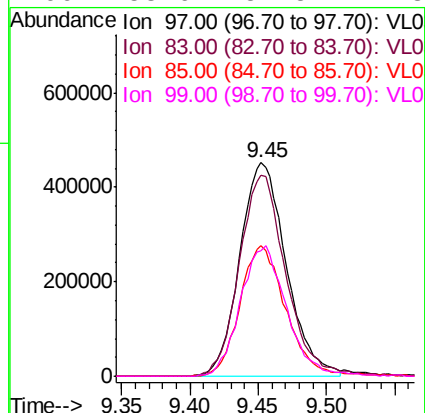
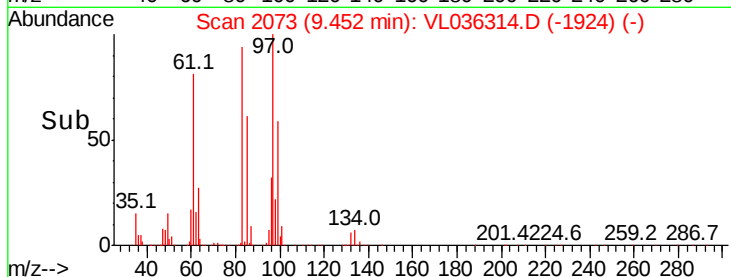
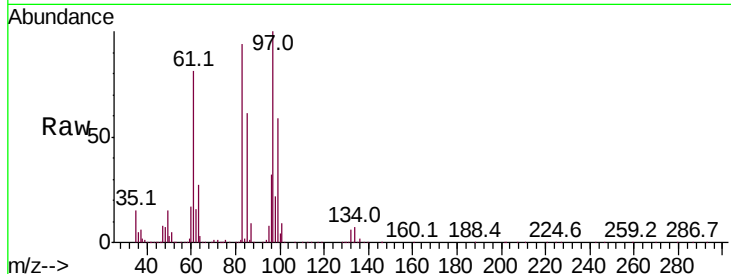
#47
 1,1,2-Trichloroethane
 Concen: 8.414 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
97	100		
83	94.2	73.3	109.9
85	61.1	43.2	64.8
99	58.6	51.5	77.3

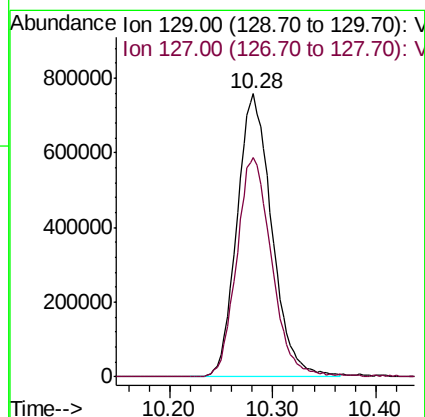
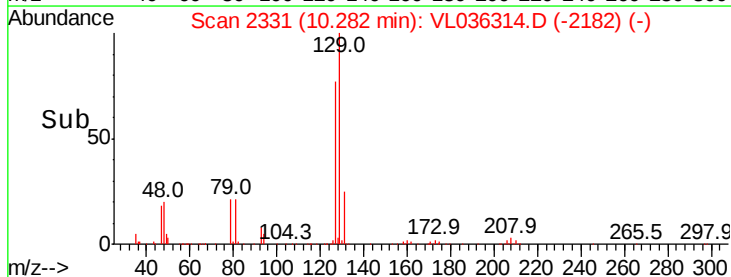
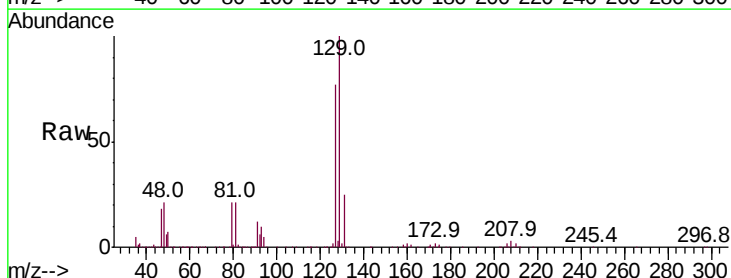
Manual Integrations
 APPROVED

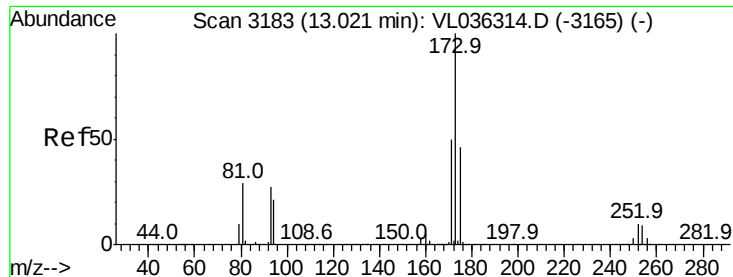
MMDadoda
 2/12/2021 1:41:48 PM



#48
 Dibromochloromethane
 Concen: 9.608 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.6	118.8





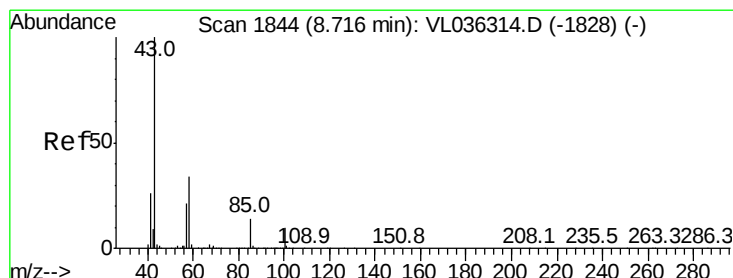
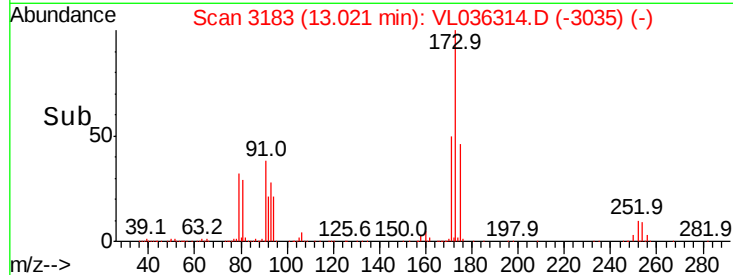
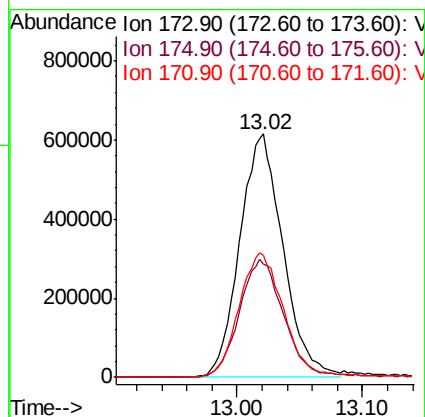
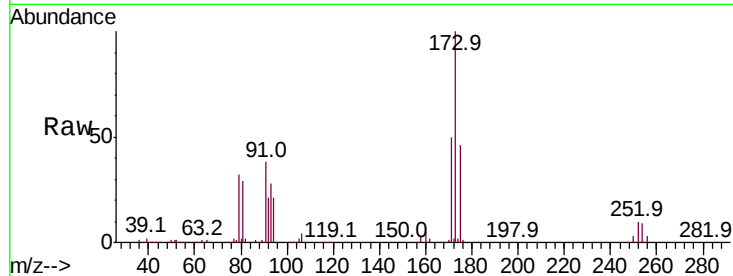
#49
Bromoform
Concen: 9.466 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	40.7	61.1
171	54.3	43.0	64.6

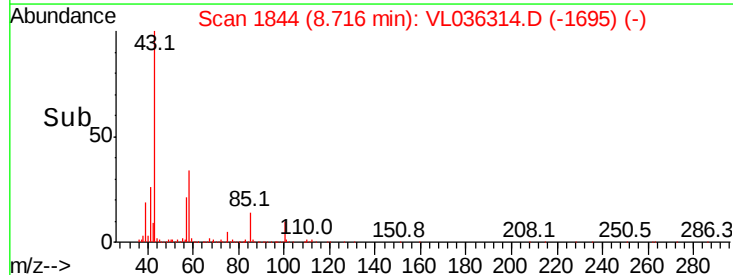
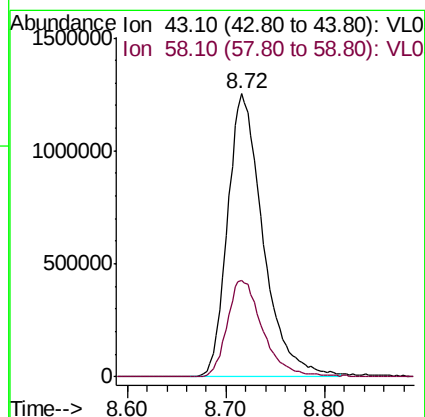
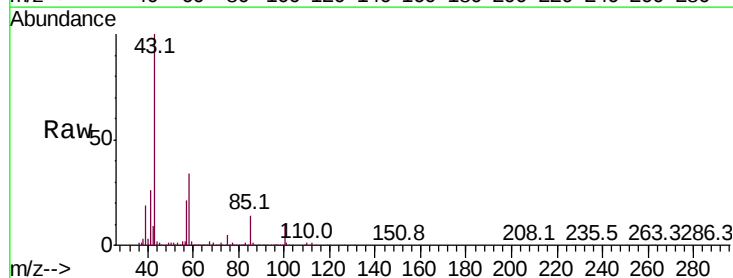
Manual Integrations
APPROVED

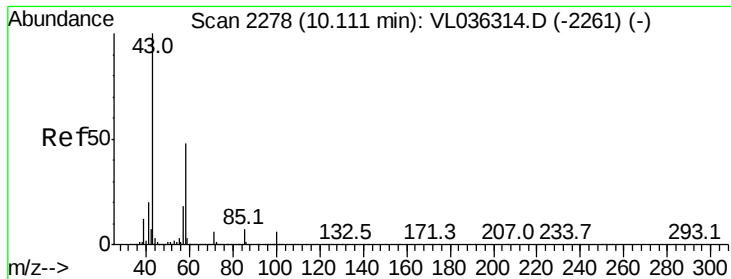
MMDadoda
2/12/2021 1:41:48 PM



#50
4-Methyl-2-Pentanone
Concen: 8.039 ppbv
RT: 8.72 min Scan# 1844
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.6	41.4





#51

2-Hexanone

Concen: 8.125 ppbv

RT: 10.11 min Scan# 2278

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2507713

Ion Ratio Lower Upper

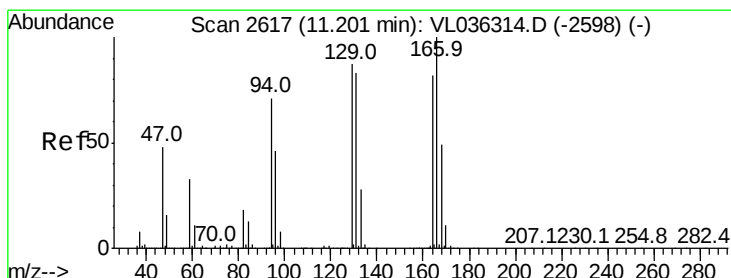
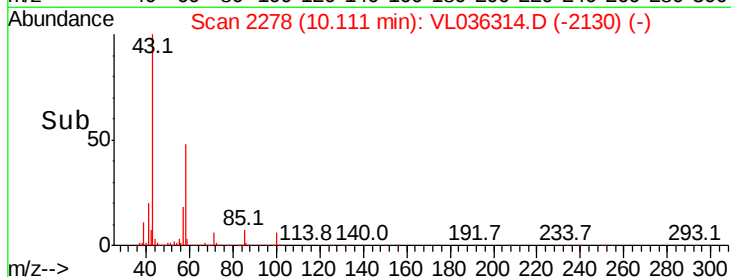
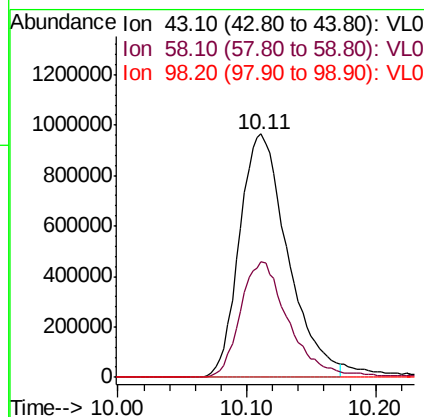
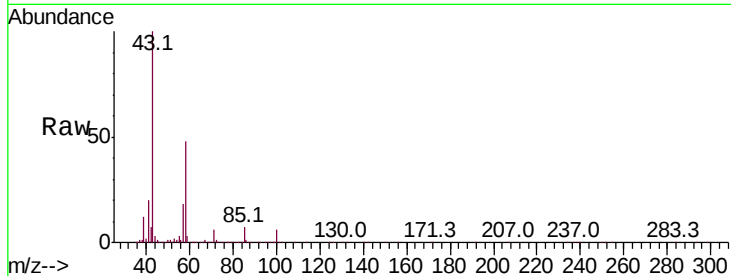
43 100

58 48.4 37.4 56.0

98 0.5 0.2 0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 7.238 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Tgt Ion: 164 Resp: 870740

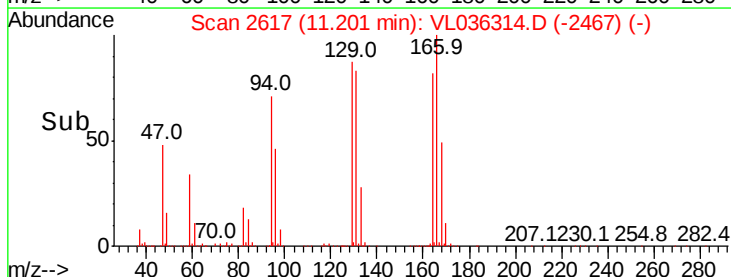
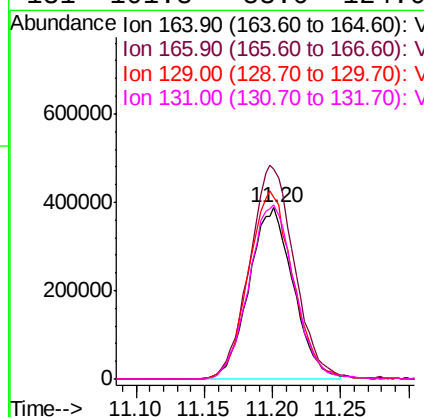
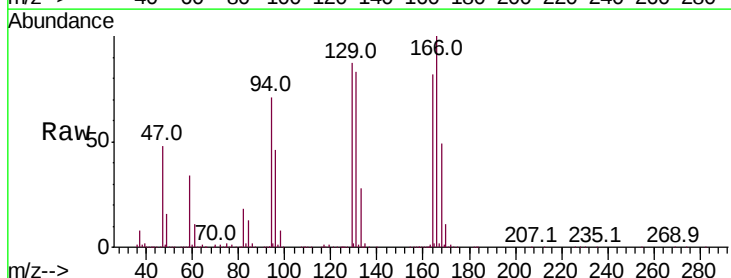
Ion Ratio Lower Upper

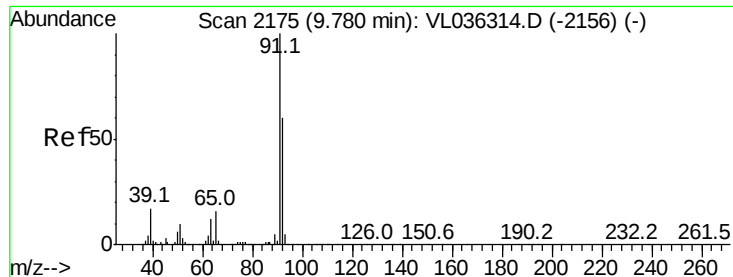
164 100

166 122.3 99.9 149.9

129 106.1 88.2 132.4

131 101.8 83.0 124.6





#53

Toluene

Concen: 8.221 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3002219

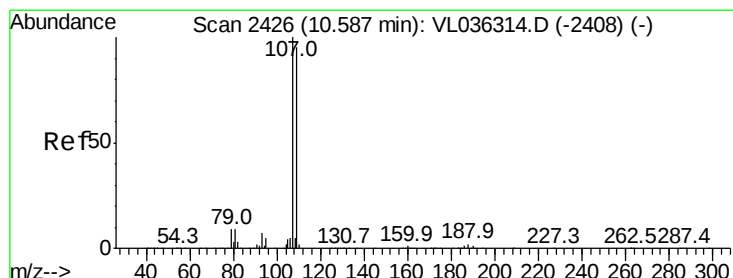
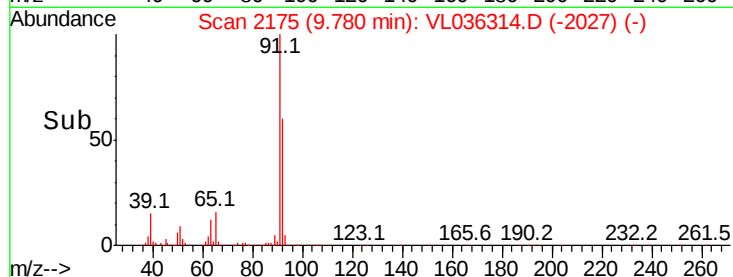
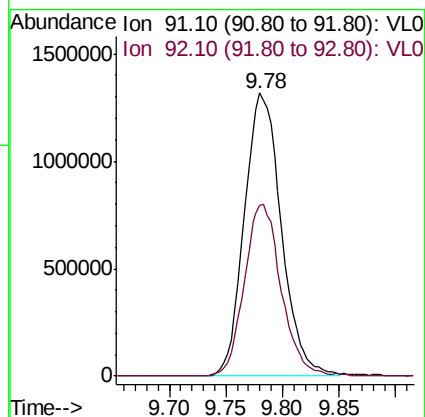
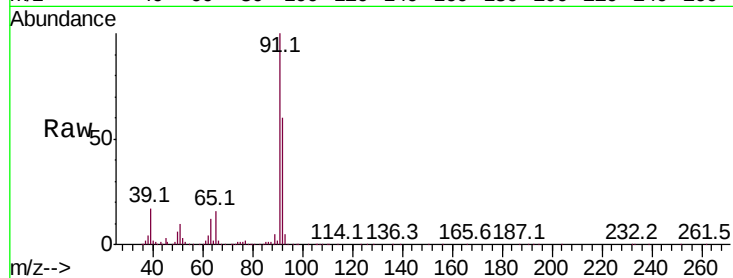
Ion Ratio Lower Upper

91 100

92 60.7 48.5 72.7

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#54

1,2-Dibromoethane

Concen: 8.507 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.02 min

Lab File: VL036314.D

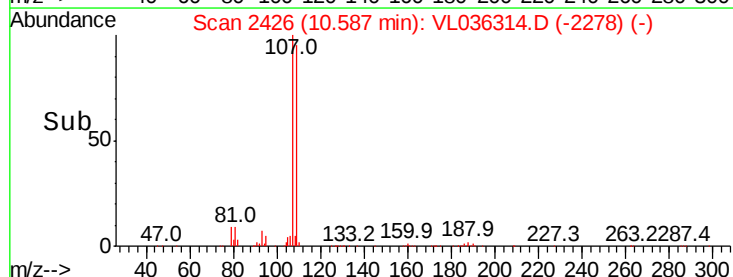
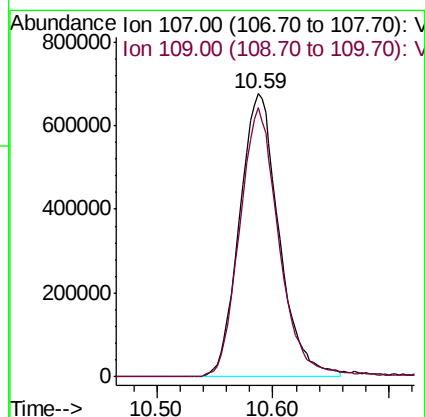
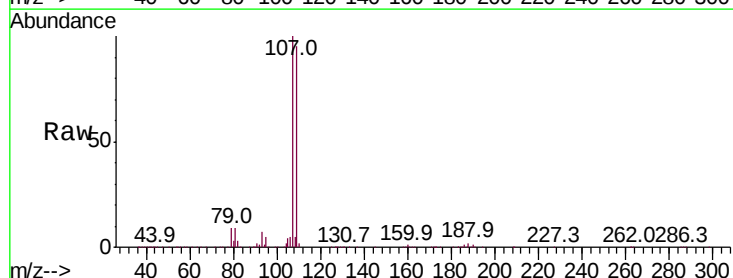
Acq: 10 Feb 2021 11:19

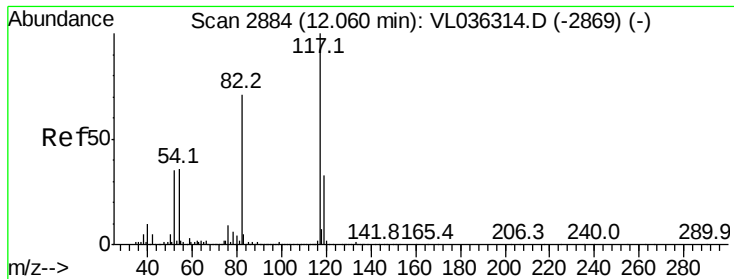
Tgt Ion: 107 Resp: 1599084

Ion Ratio Lower Upper

107 100

109 95.0 74.5 111.7





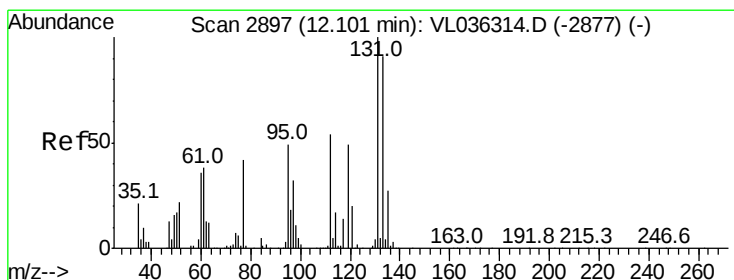
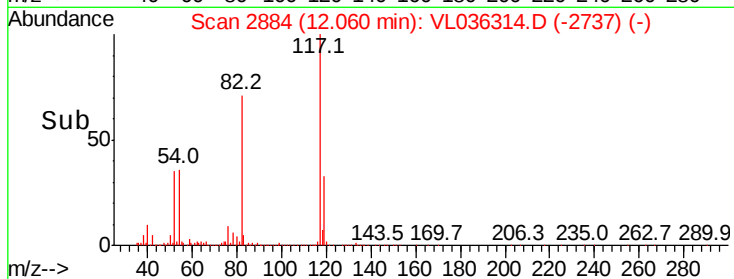
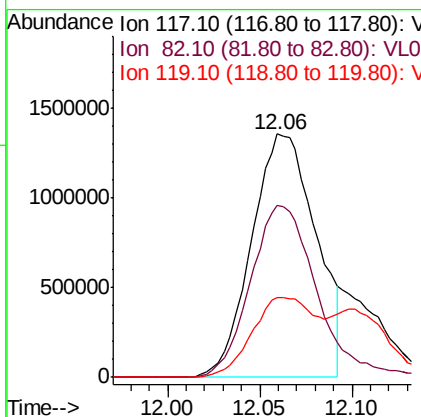
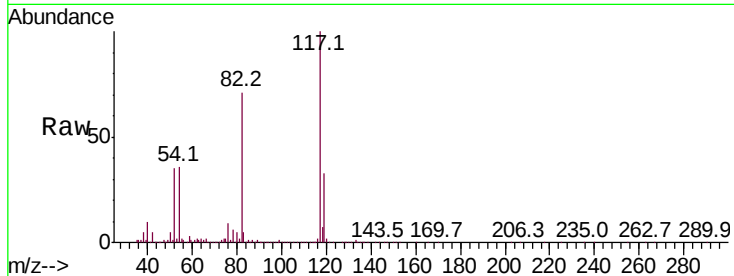
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2884
Delta R.T. -0.03 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.9	59.7	89.5
119	57.9	28.6	43.0#

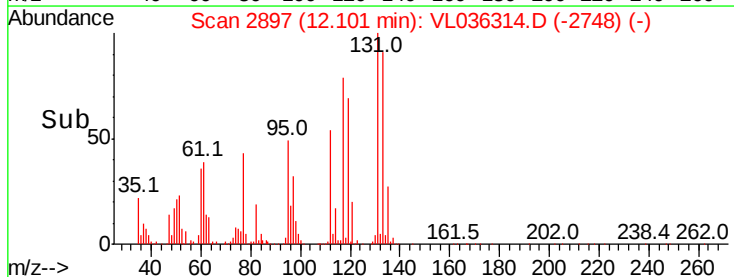
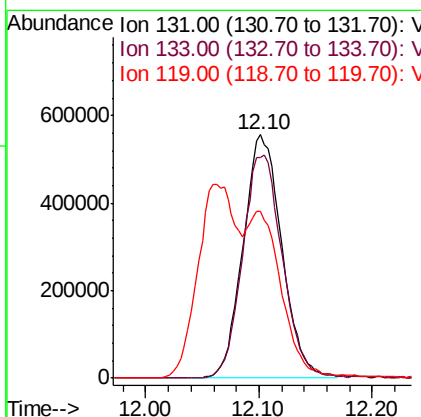
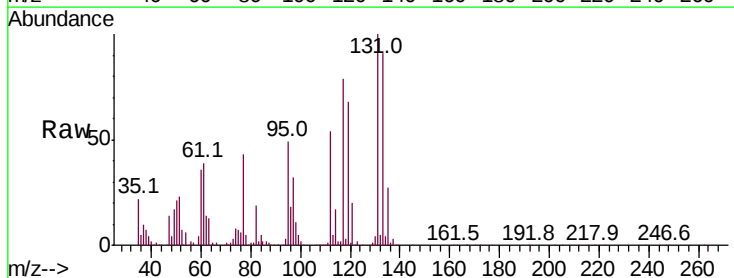
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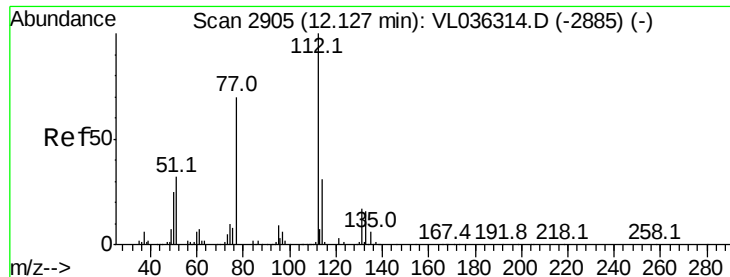
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.020 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	76.5	114.7
119	143.9	45.4	68.0#





#57

Chlorobenzene

Concen: 8.294 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 112 Resp: 2138147

Ion Ratio Lower Upper

112 100

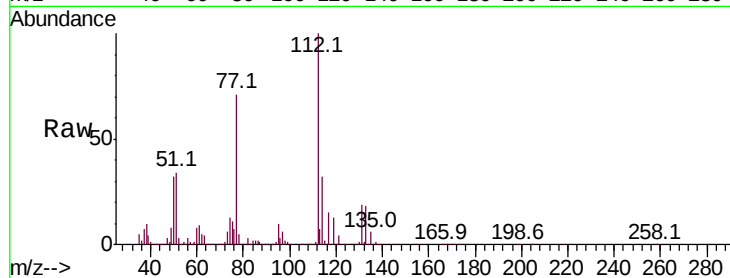
77 70.1 59.6 89.4

114 31.4 28.7 35.1

Manual Integrations
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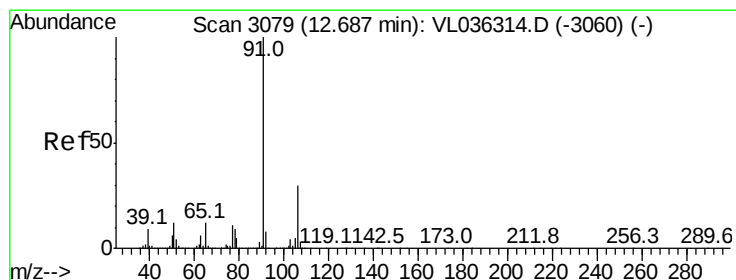
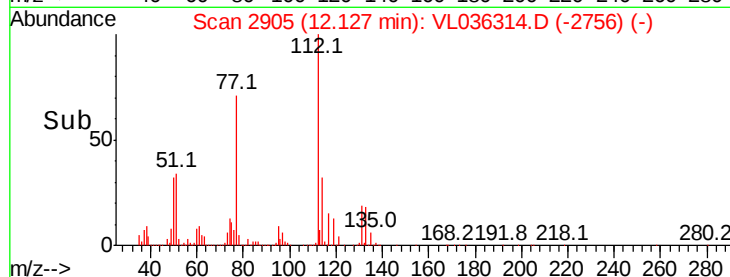
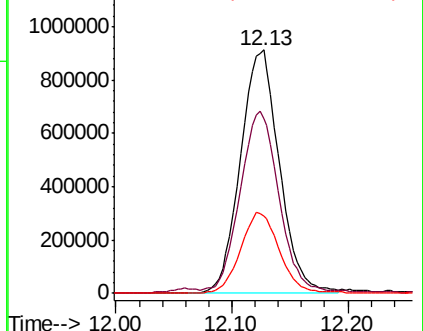
2/12/2021 1:41:48 PM



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: 8.429 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.02 min

Lab File: VL036314.D

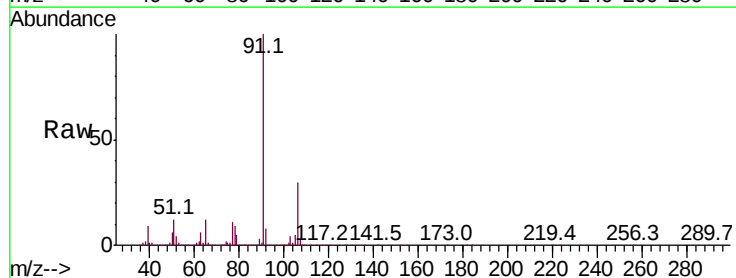
Acq: 10 Feb 2021 11:19

Tgt Ion: 91 Resp: 4110158

Ion Ratio Lower Upper

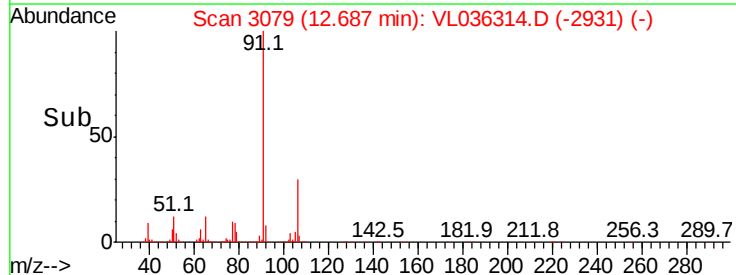
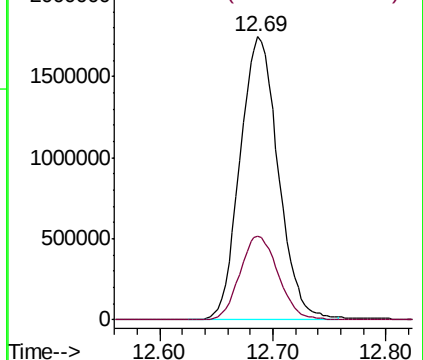
91 100

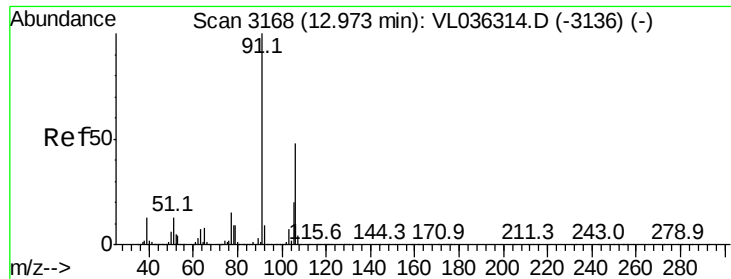
106 29.7 24.8 37.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





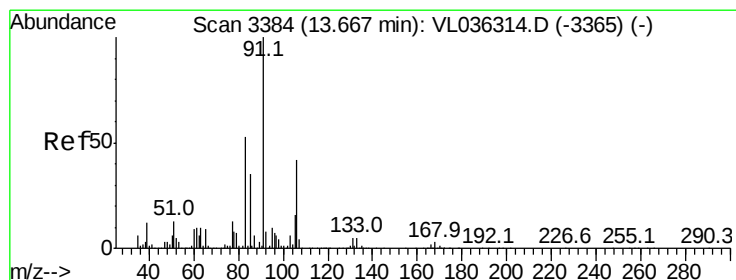
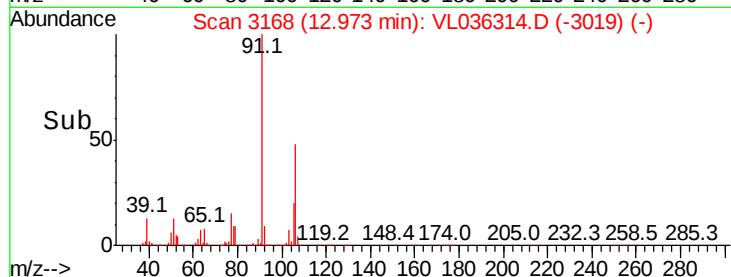
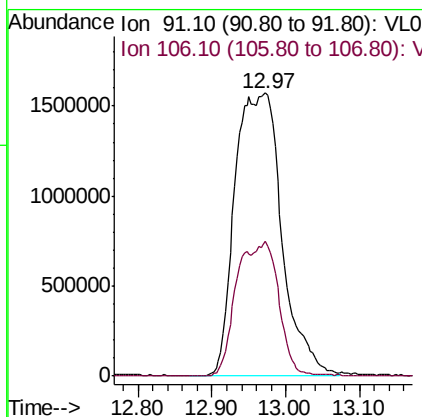
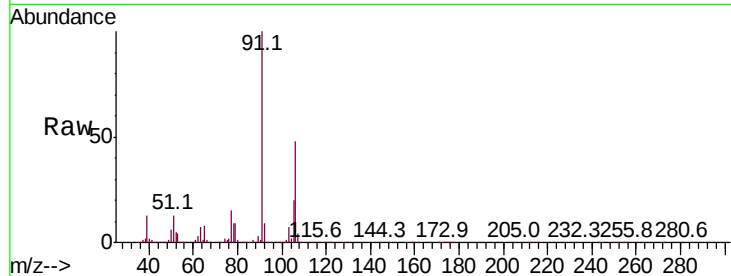
#59
m/p-Xylene
Concen: 16.616 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 6961812
Ion Ratio Lower Upper
91 100
106 42.7 34.6 51.8

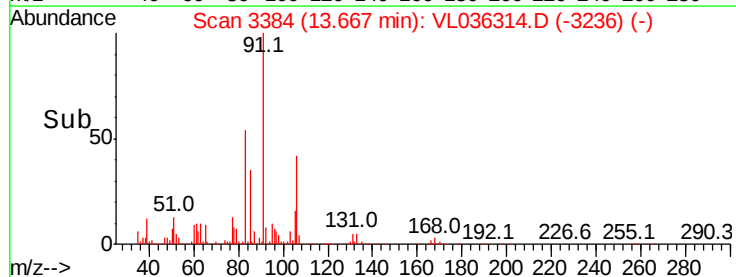
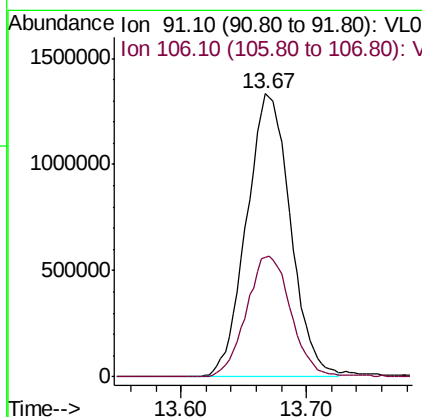
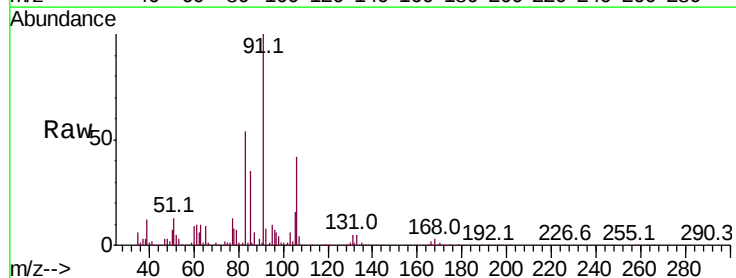
Manual Integrations
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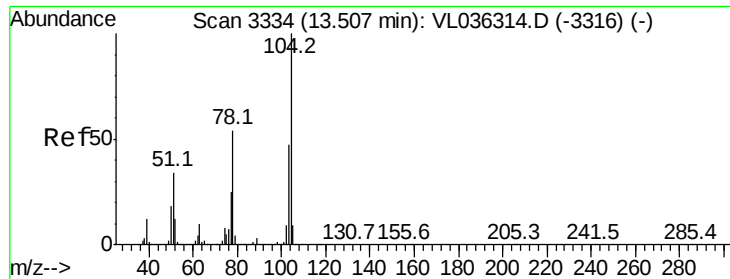
MMDadoda
2/12/2021 1:41:48 PM



#60
o-Xylene
Concen: 8.021 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 91 Resp: 3239543
Ion Ratio Lower Upper
91 100
106 44.0 21.9 65.8





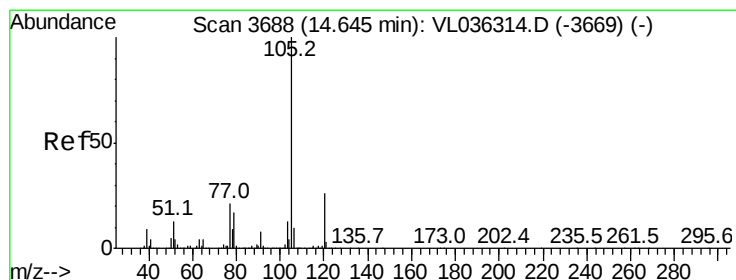
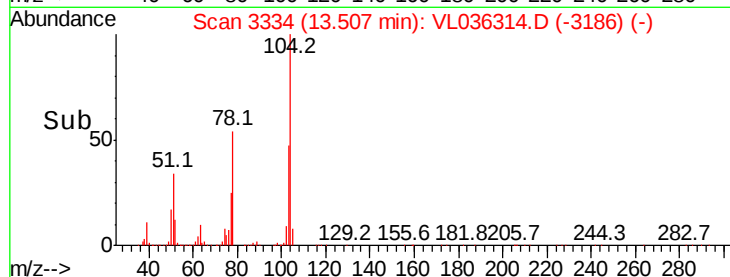
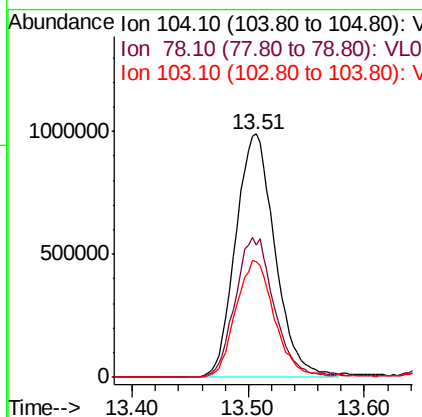
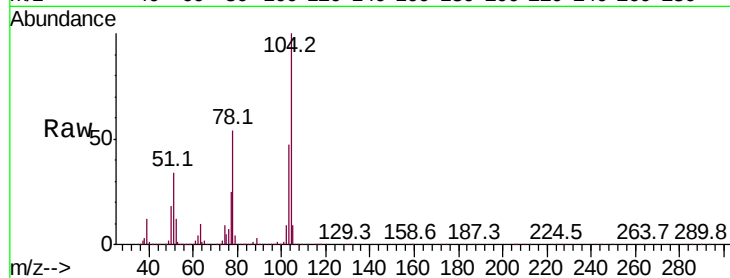
#61
Stvrene
Concen: 9.142 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.7	46.8	70.2
103	47.9	38.4	57.6

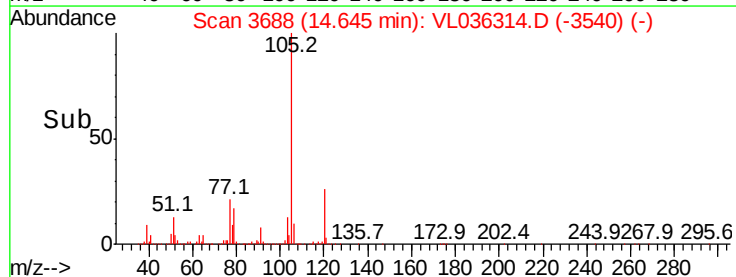
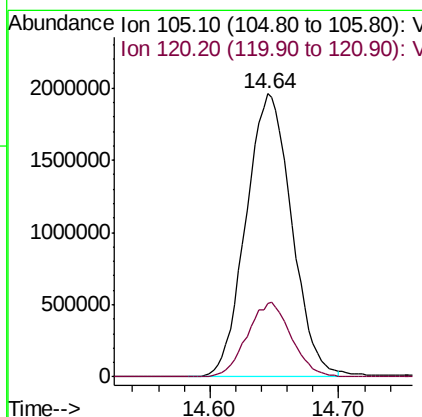
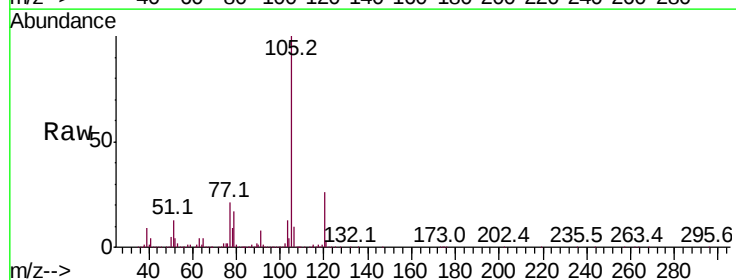
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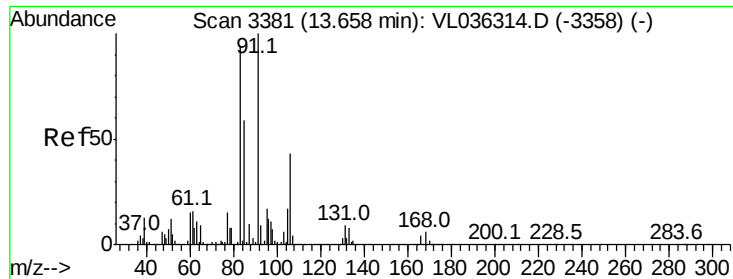
MMDadoda
2/12/2021 1:41:48 PM



#62
Isopropylbenzene
Concen: 8.050 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 7.781 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 2339758

Ion Ratio Lower Upper

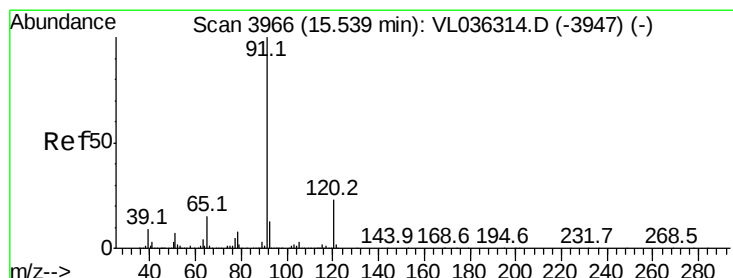
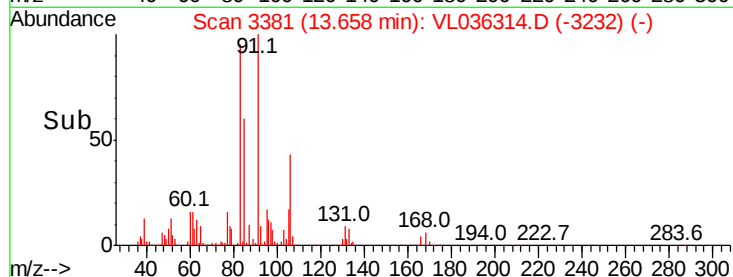
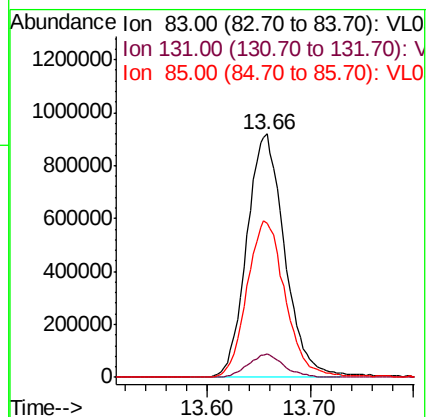
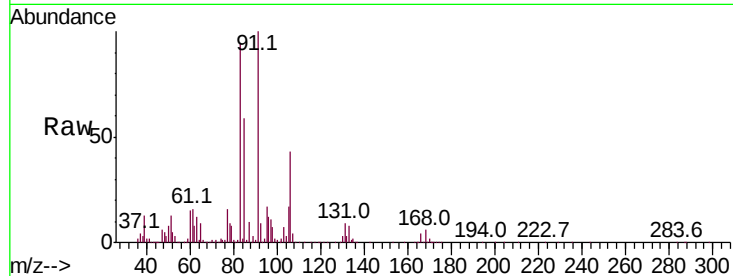
83 100

131 9.3 4.5 13.5

85 65.9 33.1 99.3

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#64

n-propylbenzene

Concen: 8.577 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.02 min

Lab File: VL036314.D

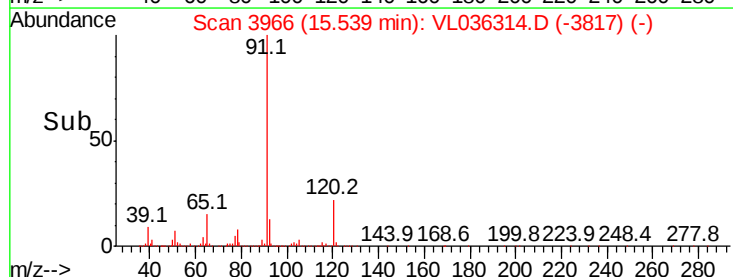
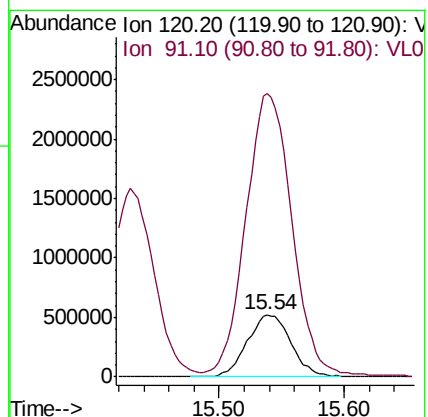
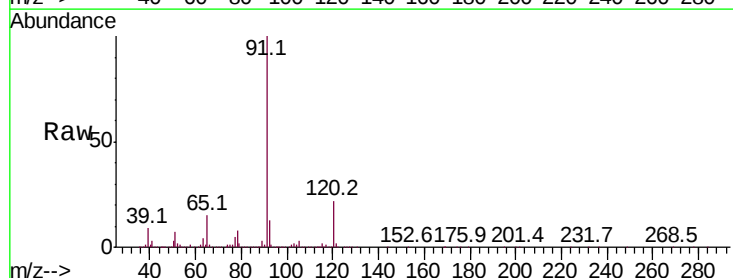
Acq: 10 Feb 2021 11:19

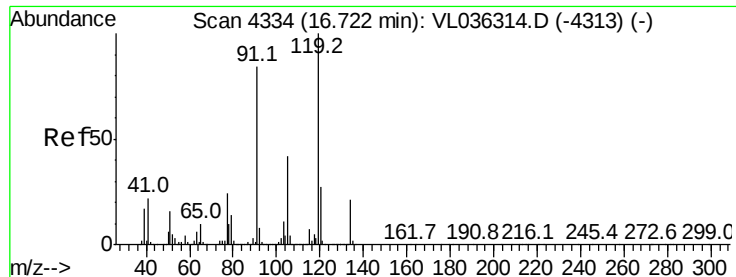
Tgt Ion:120 Resp: 1265466

Ion Ratio Lower Upper

120 100

91 484.0 391.8 587.6





#65

tert-Butylbenzene

Concen: 8.066 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 4103854

Ion Ratio Lower Upper

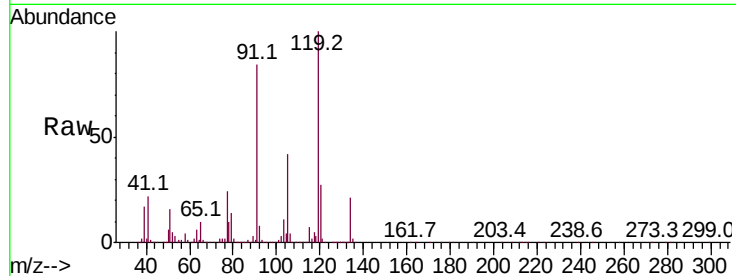
119 100

91 88.1 71.0 106.6

134 19.8 15.8 23.6

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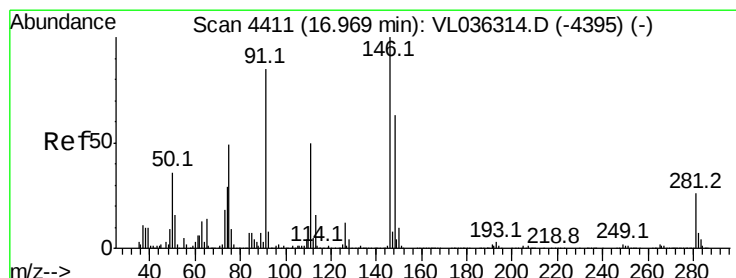
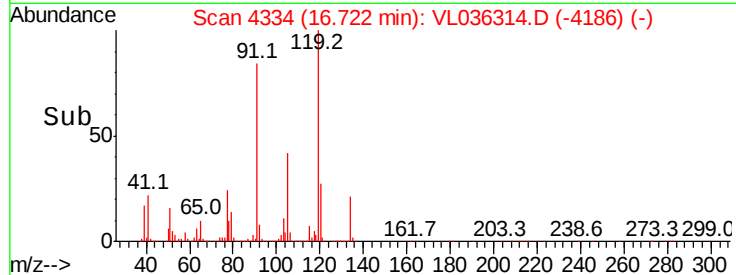
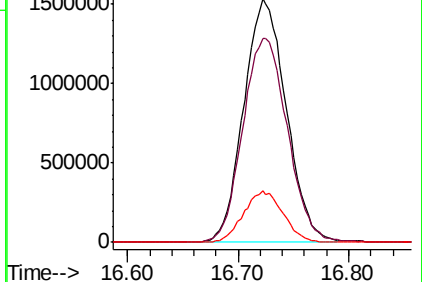
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.230 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

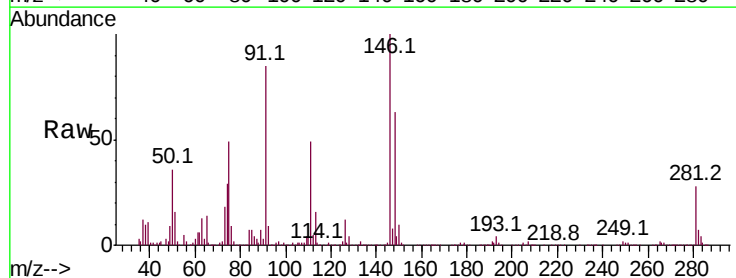
Tgt Ion: 91 Resp: 1459832

Ion Ratio Lower Upper

91 100

126 16.1 12.6 19.0

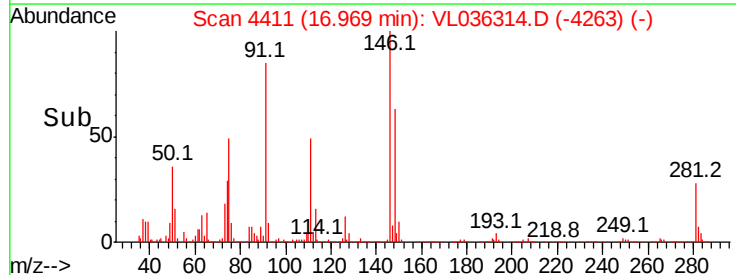
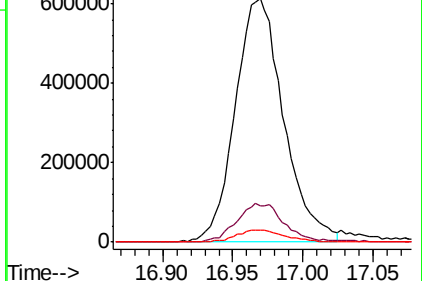
128 5.2 3.8 5.6

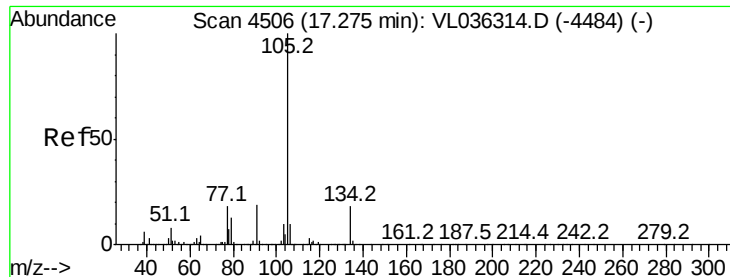


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 7.853 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 5931657

Ion Ratio Lower Upper

105 100

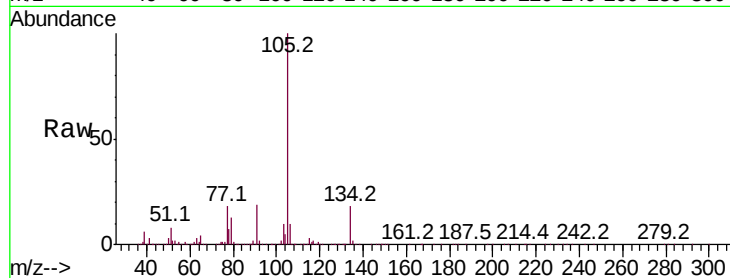
134 17.8 14.2 21.4

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

2500000

2000000

1500000

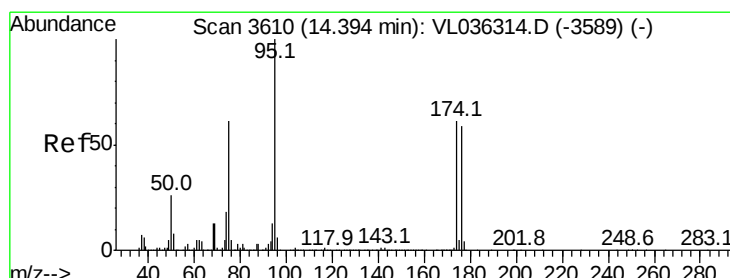
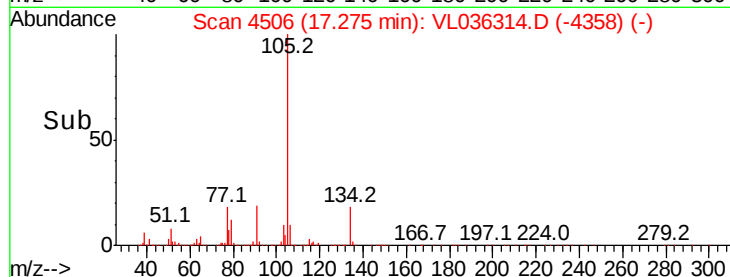
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.415 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

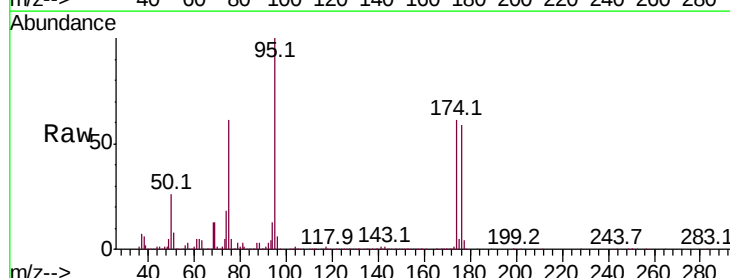
Tgt Ion: 95 Resp: 2832778

Ion Ratio Lower Upper

95 100

174 62.2 49.4 74.0

175 4.6 3.8 5.8



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

1500000

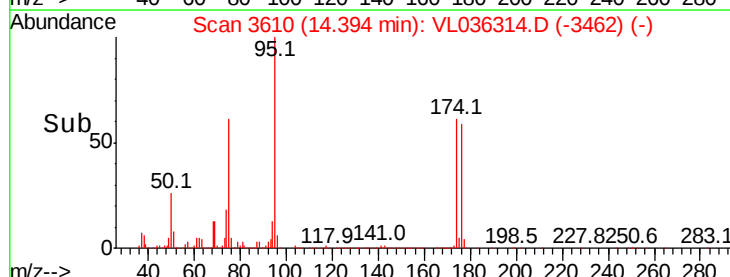
1000000

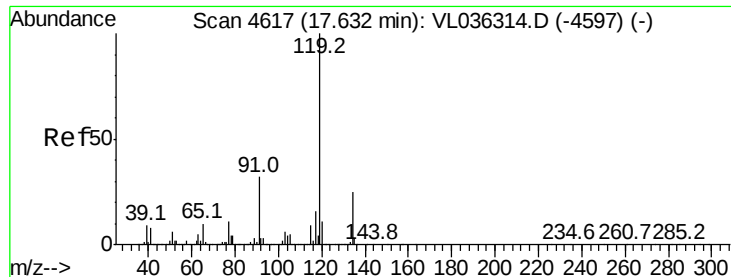
500000

0

14.30 14.40 14.50

Time-->





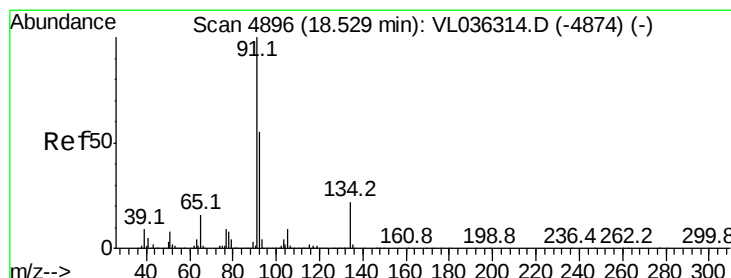
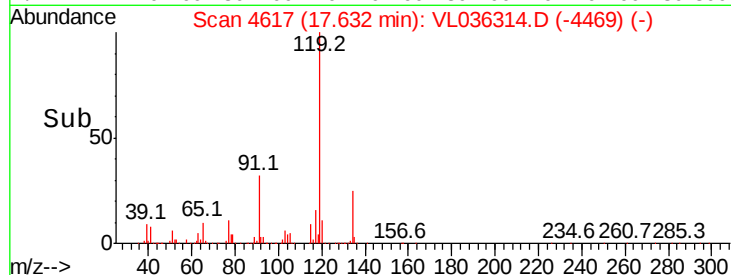
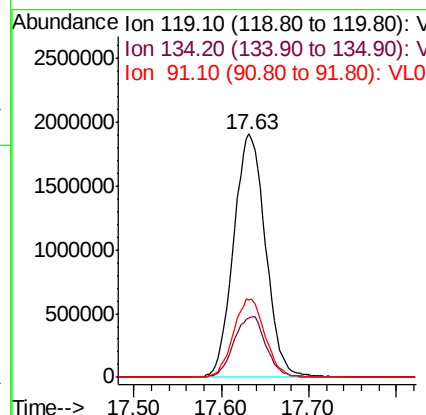
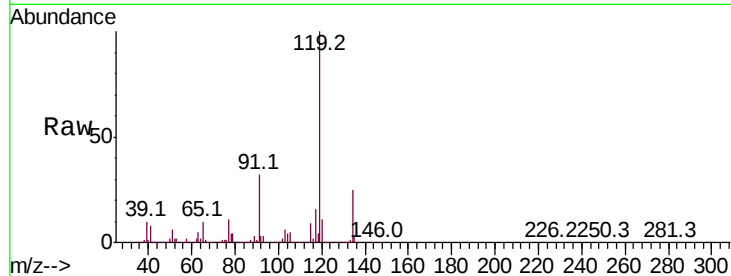
#69
 p-Isopropyltoluene
 Concen: 8.059 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.4
91	32.2	26.0	39.0

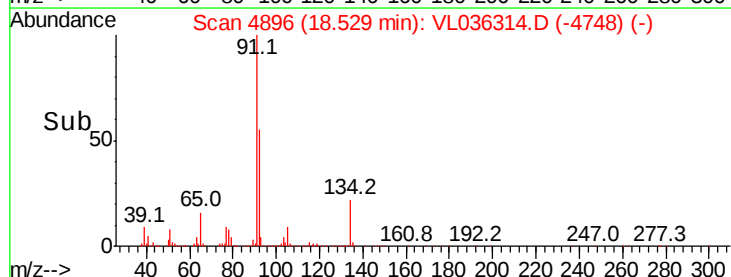
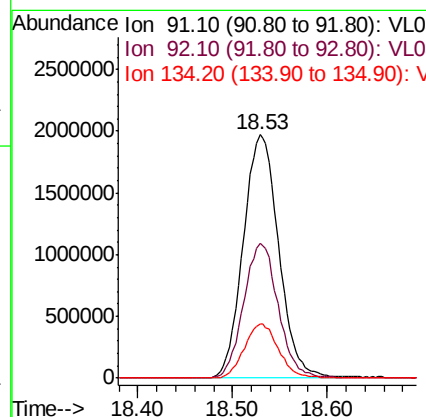
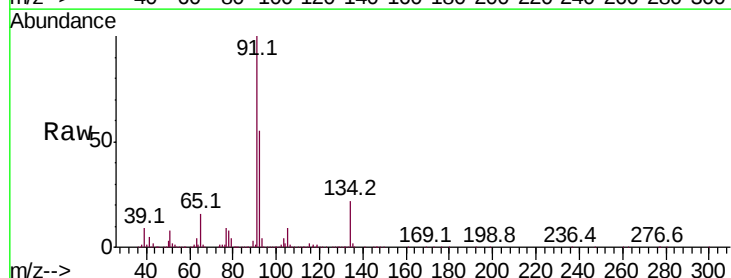
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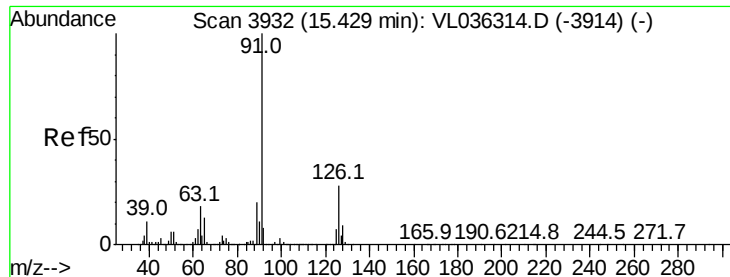
MMDadoda
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#70
 n-Butylbenzene
 Concen: 8.032 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	21.7	17.0	25.4





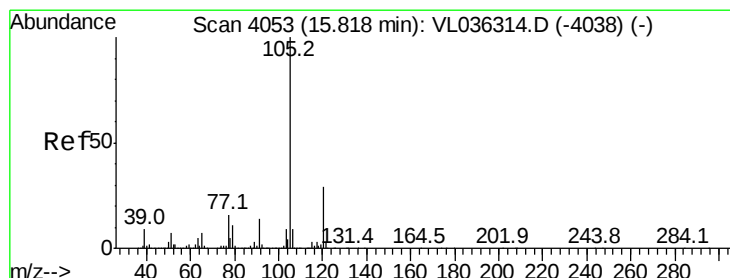
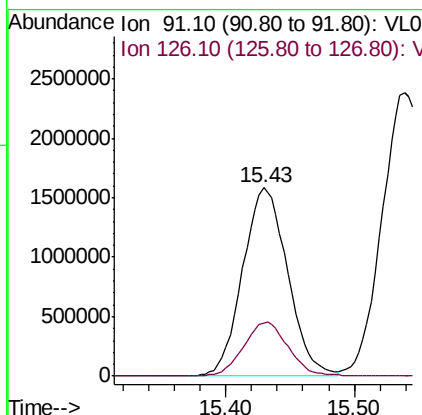
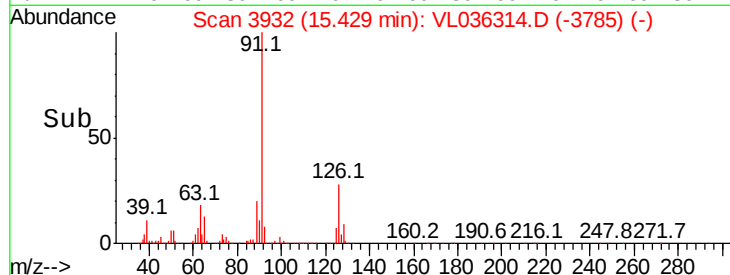
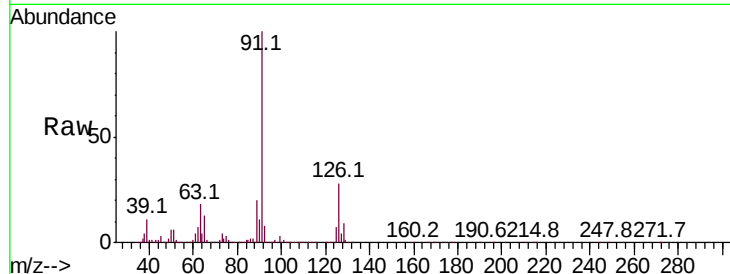
#71
2-Chlorotoluene
Concen: 8.159 ppbv
RT: 15.43 min Scan# 3932
Delta R.T. -0.03 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 3850774
Ion Ratio Lower Upper
91 100
126 28.8 11.5 45.9

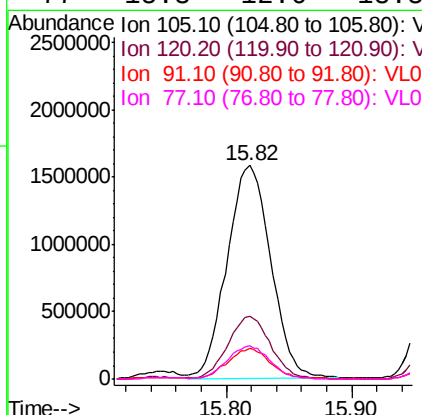
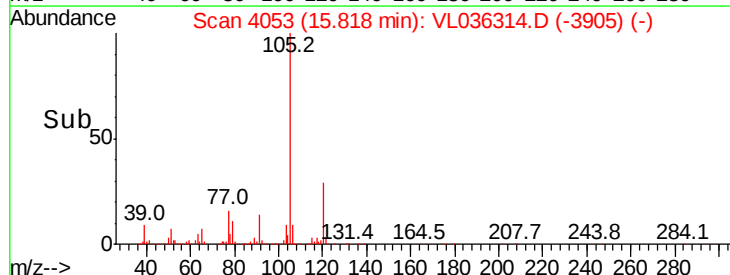
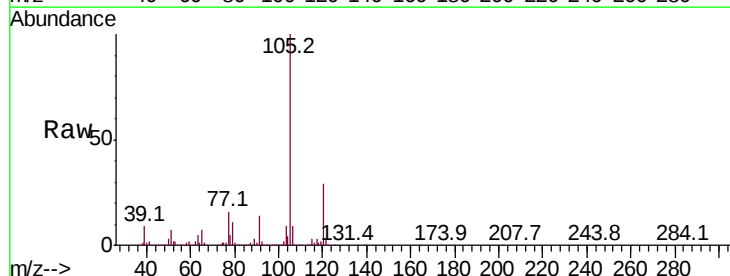
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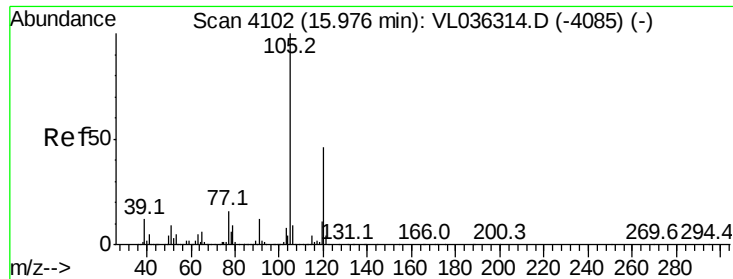
MMDadoda
2/12/2021 1:41:48 PM



#72
4-Ethyltoluene
Concen: 8.355 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion: 105 Resp: 3807919
Ion Ratio Lower Upper
105 100
120 29.0 23.7 35.5
91 13.7 11.9 17.9
77 15.3 12.6 18.8





#73

1,3,5-Trimethylbenzene

Concen: 8.187 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 3556689

Ion Ratio Lower Upper

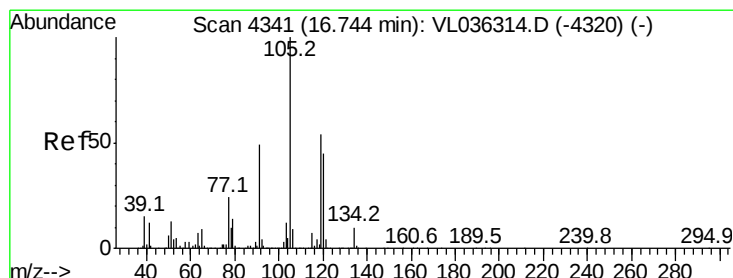
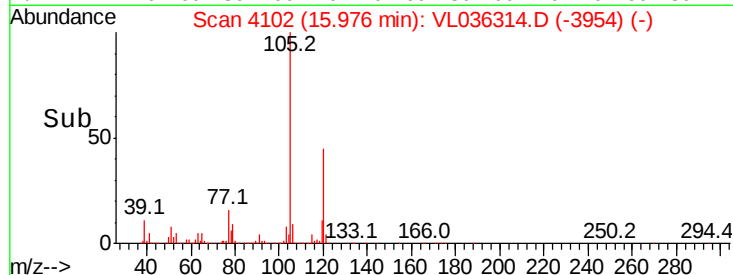
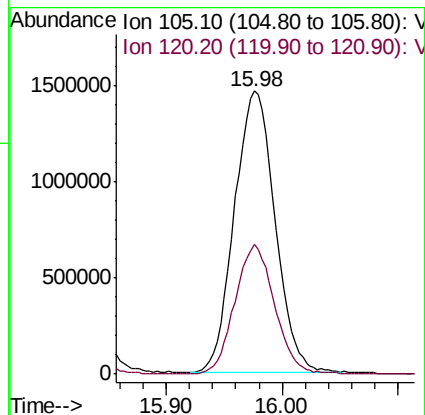
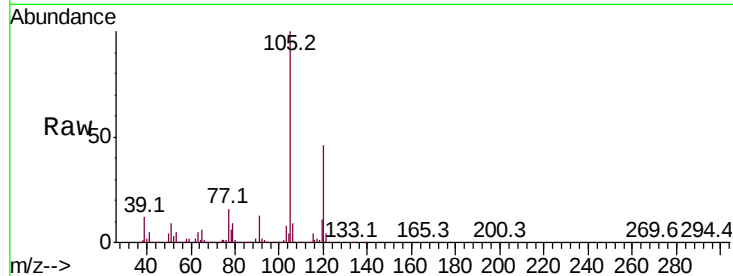
105 100

120 46.1 35.5 53.3

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#74

1,2,4-Trimethylbenzene

Concen: 8.116 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Tgt Ion:105 Resp: 3616750

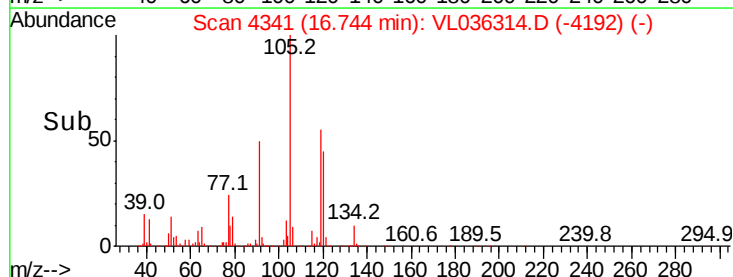
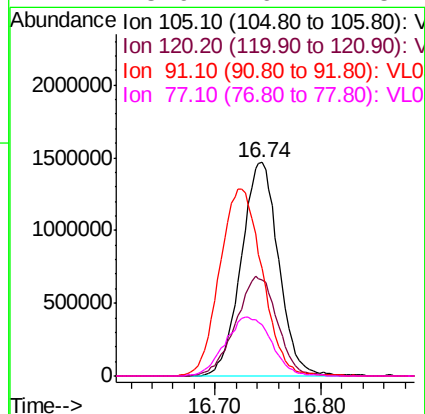
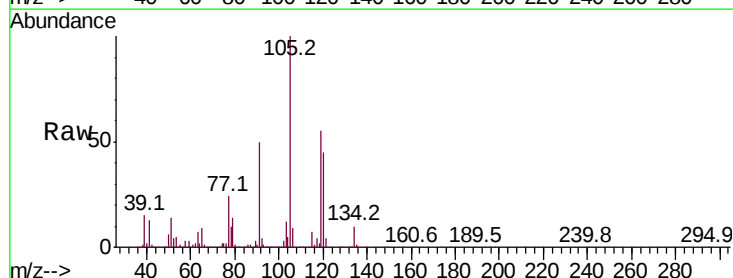
Ion Ratio Lower Upper

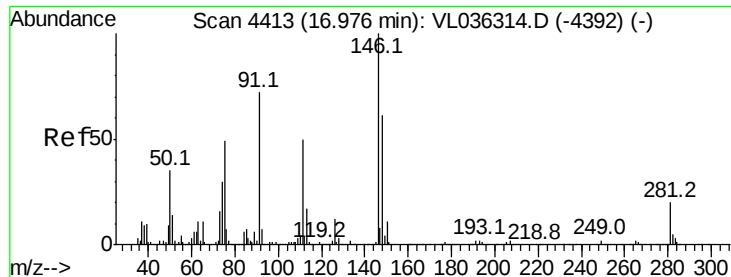
105 100

120 44.7 36.2 54.2

91 49.7 43.3 64.9

77 23.9 19.1 28.7





#75

1,3-Dichlorobenzene

Concen: 8.162 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:146 Resp: 1950866

Ion Ratio Lower Upper

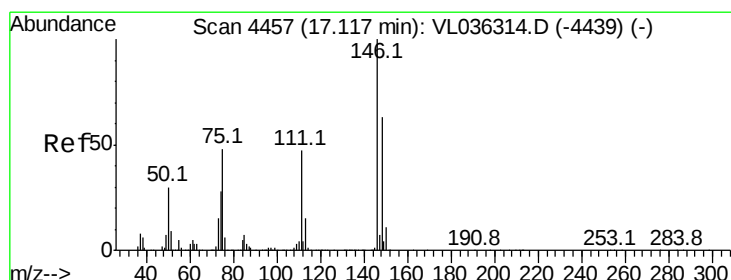
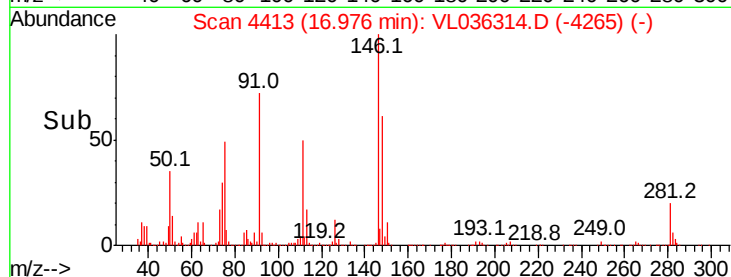
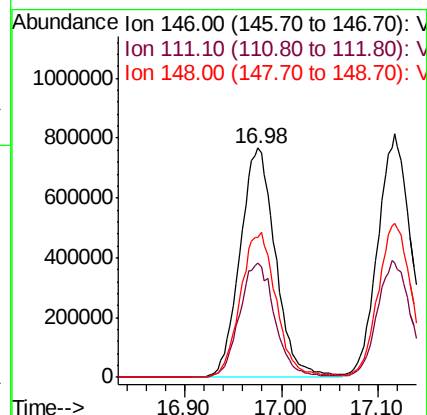
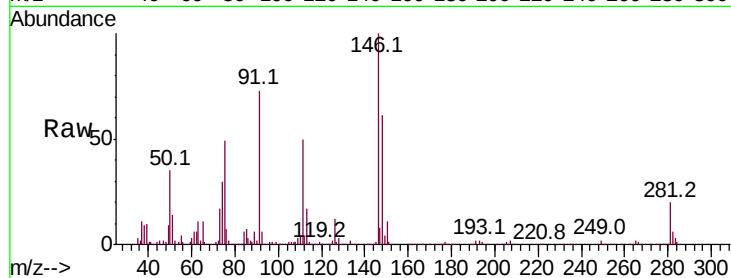
146 100

111 49.7 25.5 76.5

148 63.9 32.4 97.2

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#76

1,4-Dichlorobenzene

Concen: 8.470 ppbv m

RT: 17.12 min Scan# 4457

Delta R.T. -0.02 min

Lab File: VL036314.D

Acq: 10 Feb 2021 11:19

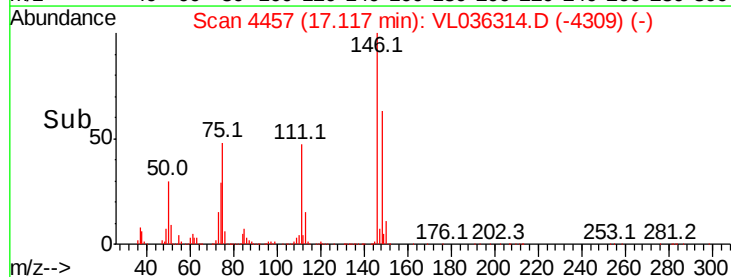
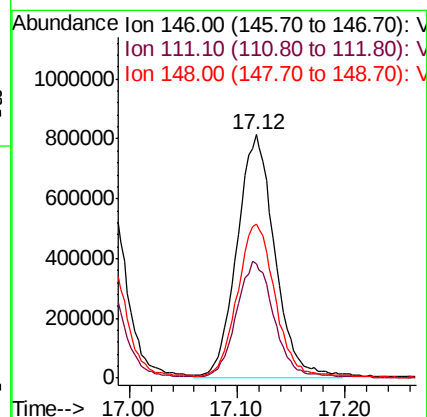
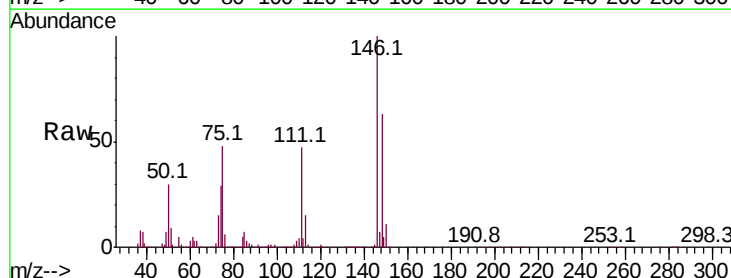
Tgt Ion:146 Resp: 1999995

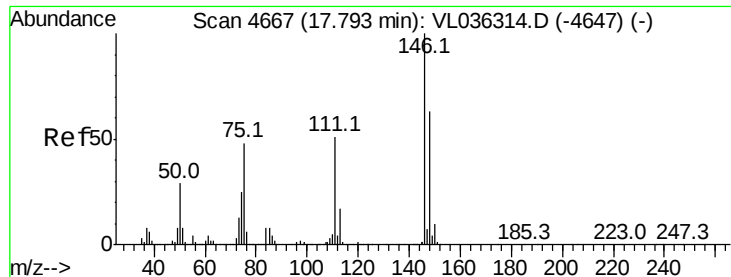
Ion Ratio Lower Upper

146 100

111 47.3 25.4 76.0

148 63.3 33.3 99.9





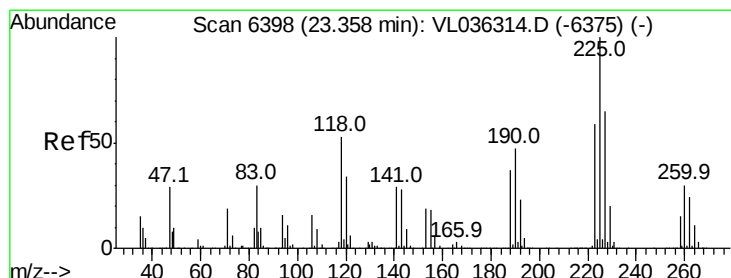
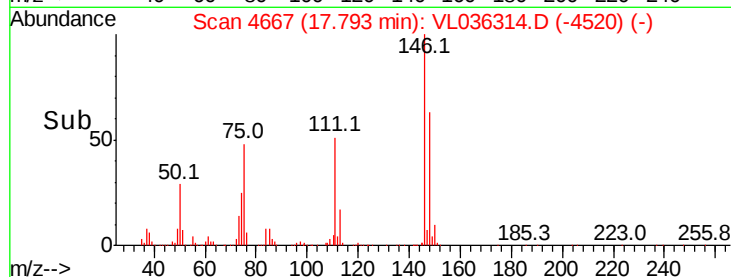
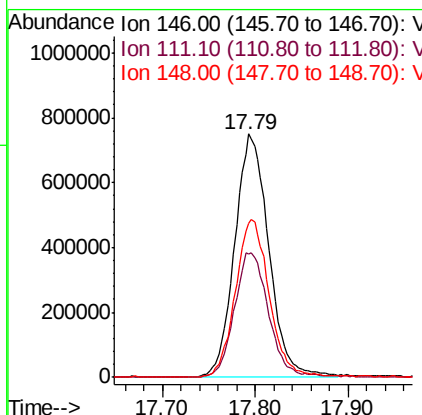
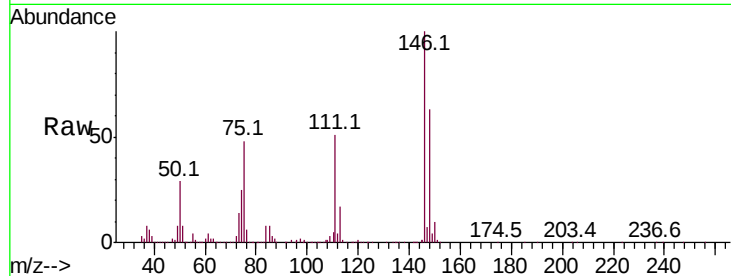
#77
 1,2-Dichlorobenzene
 Concen: 8.154 ppbv
 RT: 17.79 min Scan# 4667
 Delta R.T. -0.03 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1903484
 Ion Ratio Lower Upper
 146 100
 111 51.9 26.5 79.4
 148 64.9 32.8 98.4

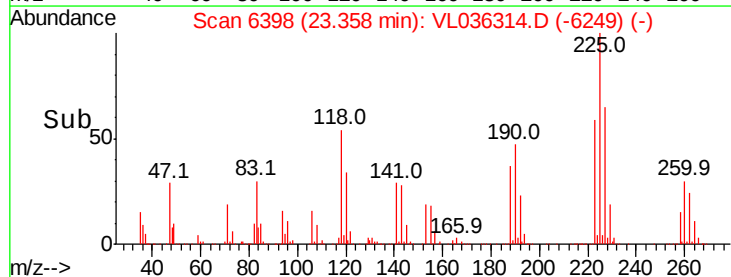
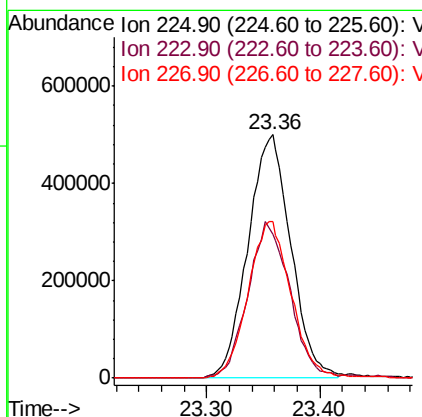
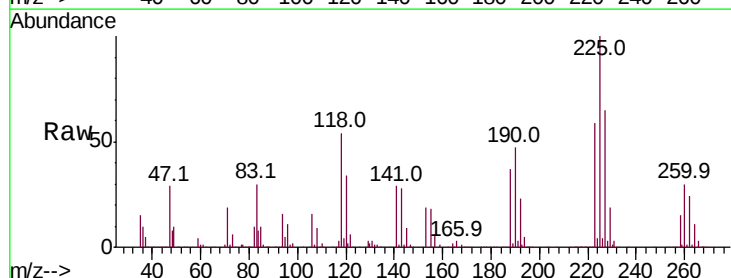
Manual Integrations
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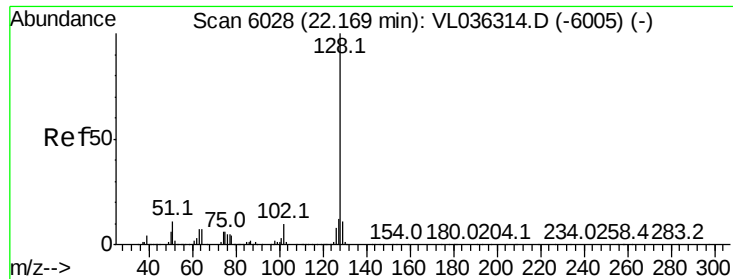
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.057 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. -0.02 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Tgt Ion:225 Resp: 1317755
 Ion Ratio Lower Upper
 225 100
 223 63.5 50.5 75.7
 227 65.2 51.7 77.5





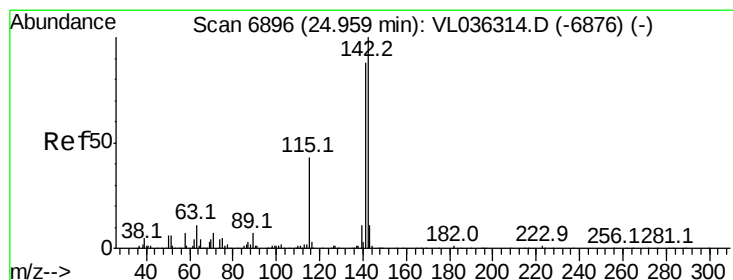
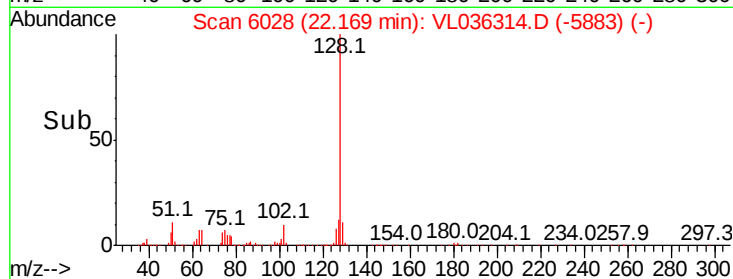
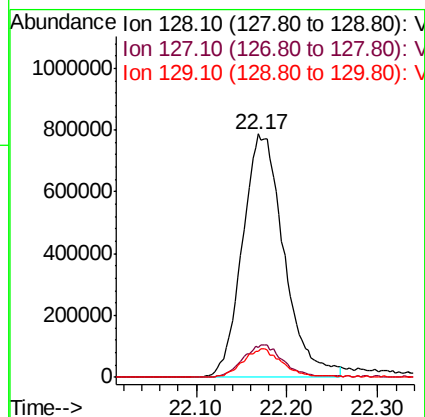
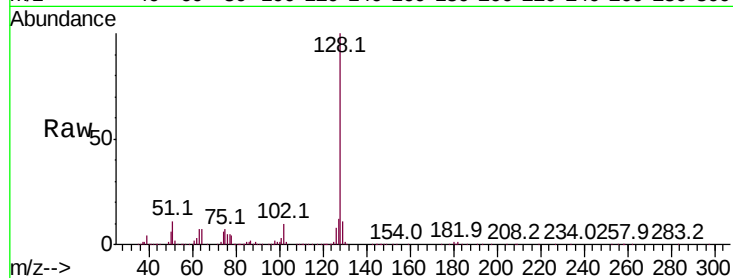
#79
Naphthalene
Concen: 9.580 ppbv m
RT: 22.17 min Scan# 6028
Delta R.T. -0.03 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:	128	Resp:	2495396
Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.9	14.9
129	10.6	8.4	12.6

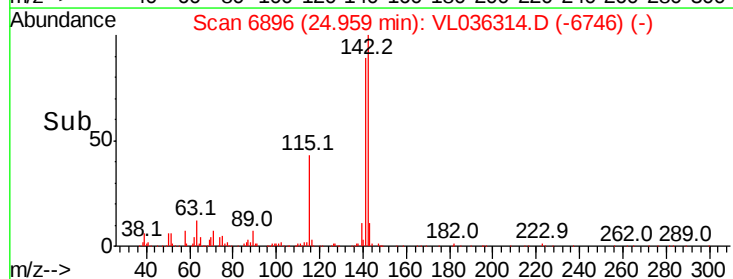
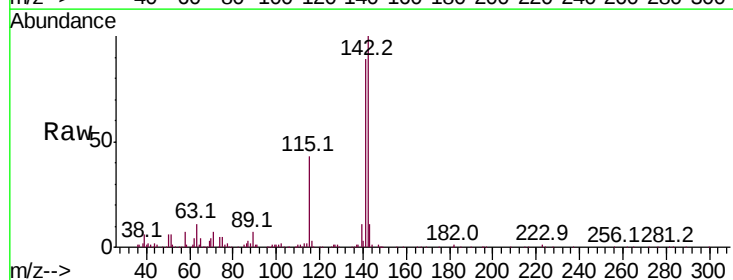
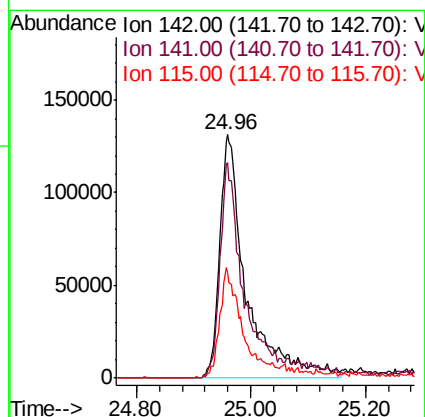
Manual Integrations
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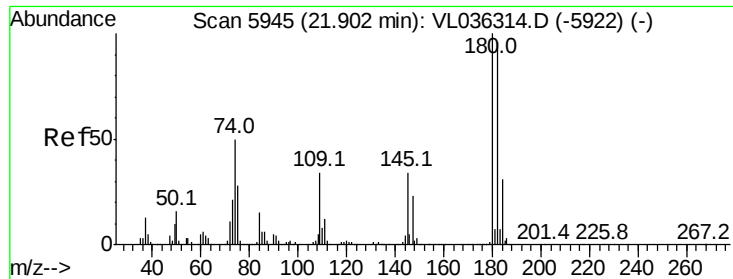
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#80
Naphthalene, 2-methyl-
Concen: 7.661 ppbv
RT: 24.96 min Scan# 6896
Delta R.T. -0.02 min
Lab File: VL036314.D
Acq: 10 Feb 2021 11:19

Tgt Ion:	142	Resp:	425844
Ion	Ratio	Lower	Upper
142	100		
141	80.5	68.6	102.8
115	43.2	32.9	49.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.610 ppbv
 RT: 21.90 min Scan# 5945
 Delta R.T. -0.03 min
 Lab File: VL036314.D
 Acq: 10 Feb 2021 11:19

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.3	79.9	119.9
184	31.3	25.6	38.4

Manual Integrations
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