

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037636.D
 Acq On : 17 Sep 2021 4:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 9/20/2021 5:27:45 PM

Quant Time: Sep 17 10:16:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 17 10:16:58 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1528880	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4498512	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4157368m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2878018	9.58	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	2008212	7.259	ppbv	99
3) Chlorodifluoromethane	2.98	51	2746470	9.524	ppbv	100
4) Chloromethane	3.13	50	1032159	9.687	ppbv	98
5) Vinyl Chloride	3.25	62	1039243	10.384	ppbv	98
6) Bromomethane	3.46	94	564050	9.697	ppbv	93
7) Chloroethane	3.55	64	366043	9.787	ppbv	100
8) Dichlorotetrafluoroethane	3.18	85	2308746	9.674	ppbv	100
9) Propene	3.00	41	989717	9.729	ppbv	99
10) Heptane	8.10	43	2482442	10.458	ppbv	99
11) Trichlorofluoromethane	3.94	101	2185239	9.838	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1592602	9.714	ppbv	99
13) Ethanol	3.59	45	98873	9.937	ppbv	97
14) Bromoethene	3.73	108	695722	9.322	ppbv	96
15) Acetone	3.84	43	1184719	7.458	ppbv	98
16) 1,3-Butadiene	3.32	39	988996	9.964	ppbv	98
17) tert-Butyl alcohol	4.27	59	1463859	10.868	ppbv	99
18) 1,1-Dichloroethene	4.28	96	722489	9.460	ppbv	97
19) Isopropyl Alcohol	3.95	45	880972	10.193	ppbv	100
20) Methylene Chloride	4.33	84	582630	7.683	ppbv	97
21) Allyl Chloride	4.40	41	1211966	10.213	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	736293	9.582	ppbv	94
23) Vinyl Acetate	5.06	43	2482468	11.294	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1582521	10.050	ppbv	100
25) Ethyl Acetate	5.66	43	3816098	9.919	ppbv	99
26) Hexane	5.67	57	1806869	9.887	ppbv	98
27) Carbon Disulfide	4.54	76	1745279	10.439	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1901369	11.812	ppbv	98
29) Chloroform	5.74	83	2523864	9.458	ppbv	100
30) Cyclohexane	7.11	84	1525870	9.762	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1738577	10.479	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2459301	9.899	ppbv	99
34) 2-Butanone	5.23	43	1692949	9.261	ppbv	99
35) Carbon Tetrachloride	7.01	117	2551271	10.026	ppbv	98
36) Benzene	6.88	78	3789346	10.102	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1817941	9.854	ppbv	100
38) Trichloroethene	7.82	130	1466556	9.359	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1448002	10.078	ppbv	98
40) 1,4-Dioxane	7.82	88	343428	9.827	ppbv	# 1
41) Tetrahydrofuran	6.03	42	918046	10.683	ppbv	99
42) Bromodichloromethane	7.77	83	2720932	10.290	ppbv	99
43) Methyl Methacrylate	8.00	69	1355043	10.858	ppbv	98

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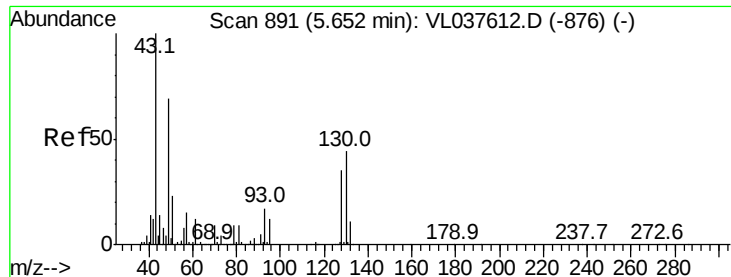
Manual Integrations
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Quant Time: Sep 17 10:16:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 17 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	6300812	9.991	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	1159819	11.832	ppbv	95
46) cis-1,3-Dichloropropene	8.68	75	1534647	11.590	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1509968	9.501	ppbv	99
48) Dibromochloromethane	10.28	129	2315861	10.445	ppbv	99
49) Bromoform	13.02	173	1758009	9.907	ppbv	95
50) 4-Methyl-2-Pentanone	8.72	43	2396575	10.329	ppbv	99
51) 2-Hexanone	10.12	43	1107619	10.819	ppbv	96
52) Tetrachloroethene	11.20	164	1380647	9.587	ppbv	98
53) Toluene	9.79	91	4295471	10.302	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2137249	9.821	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1582114	9.175	ppbv #	50
57) Chlorobenzene	12.13	112	3053541	8.835	ppbv	96
58) Ethyl Benzene	12.69	91	5403427	9.791	ppbv	100
59) m/p-Xylene	12.98	91	9045204m	18.808	ppbv	
60) o-Xylene	13.67	91	4176861	9.125	ppbv	98
61) Styrene	13.51	104	2361702	10.463	ppbv	99
62) Isopropylbenzene	14.64	105	5820273	9.102	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.66	83	2921776	8.156	ppbv	99
64) n-propylbenzene	15.55	120	1518479	9.202	ppbv	82
65) tert-Butylbenzene	16.72	119	5100399	8.846	ppbv	100
66) Benzyl Chloride	16.97	91	309420	9.821	ppbv	98
67) sec-Butylbenzene	17.27	105	7132879	9.119	ppbv	99
69) p-Isopropyltoluene	17.63	119	5970045	9.342	ppbv	99
70) n-Butylbenzene	18.53	91	5859506	9.691	ppbv	99
71) 2-Chlorotoluene	15.43	91	4218950	9.206	ppbv	99
72) 4-Ethyltoluene	15.82	105	5001451	9.518	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4448514	9.083	ppbv	98
74) 1,2,4-Trimethylbenzene	16.74	105	4607489	8.931	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2826462	8.819	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2780889	8.797	ppbv	100
77) 1,2-Dichlorobenzene	17.80	146	2724011	8.961	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2226547	8.702	ppbv	99
79) Naphthalene	22.17	128	3978550	12.560	ppbv	98
80) Naphthalene, 2-methyl-	24.95	142	1088902	15.040	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2248502	11.056	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1528880

Ion Ratio Lower Upper

49 100

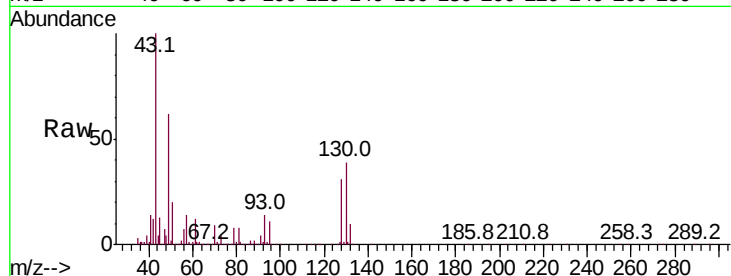
128 54.3 27.9 83.6

130 66.6 33.9 101.7

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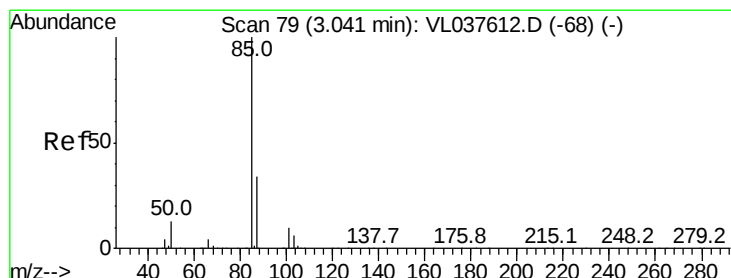
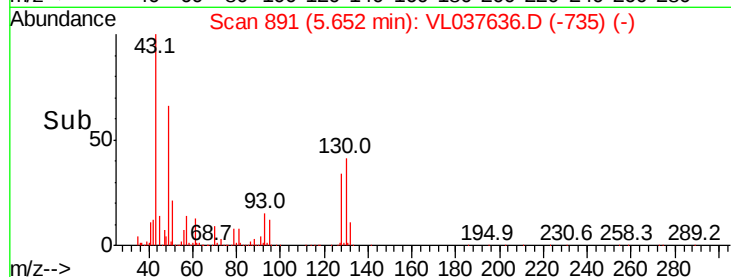
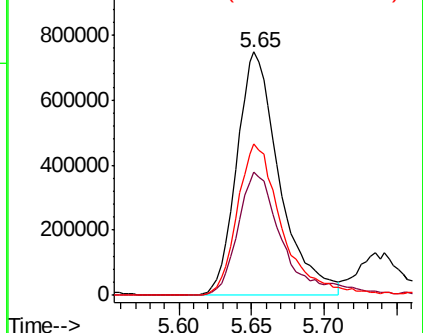
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.259 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037636.D

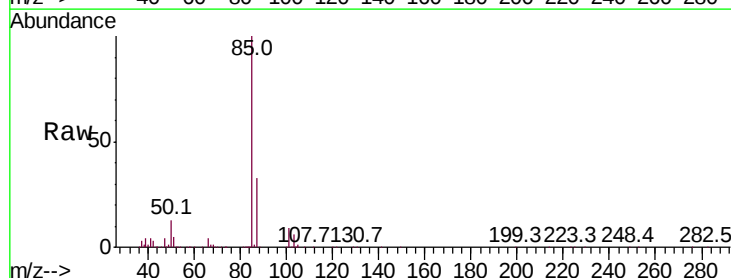
Acq: 17 Sep 2021 4:31

Tgt Ion: 85 Resp: 2008212

Ion Ratio Lower Upper

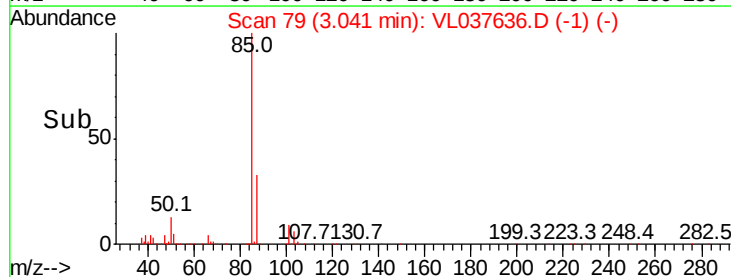
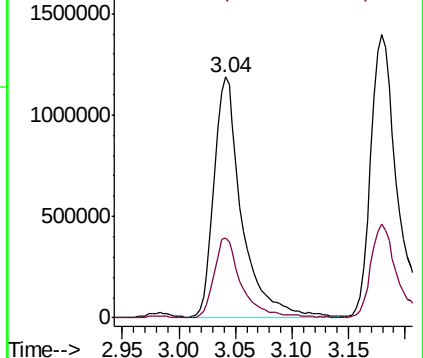
85 100

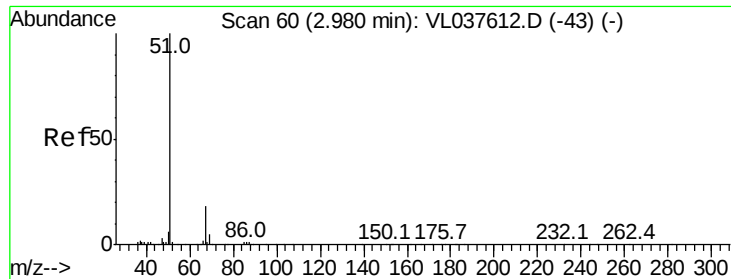
87 33.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





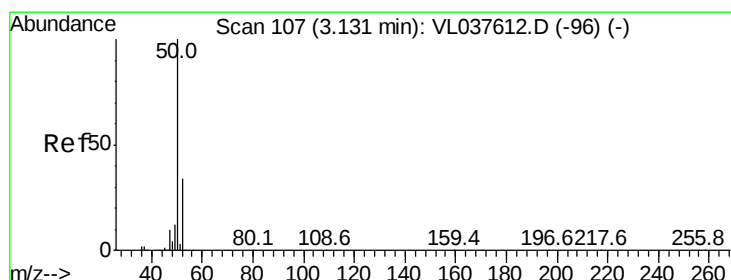
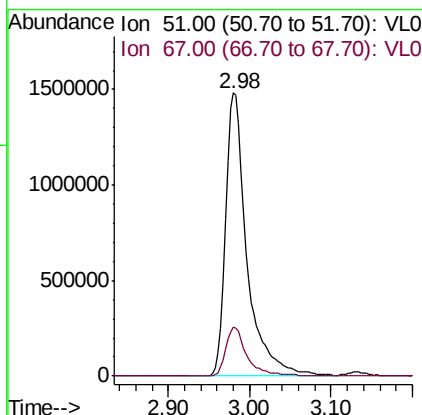
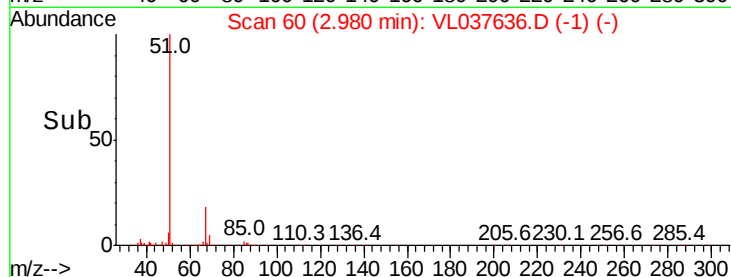
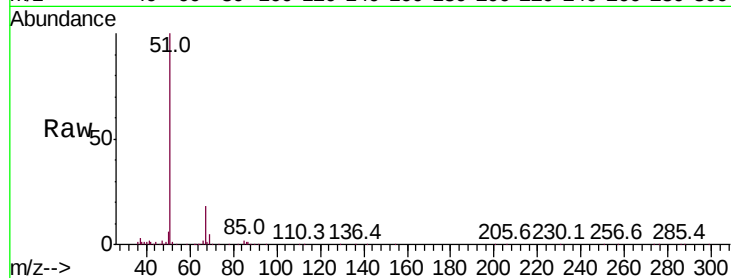
#3
Chlorodifluoromethane
Concen: 9.524 ppbv
RT: 2.98 min Scan# 60
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2746470
Ion Ratio Lower Upper
51 100
67 17.4 14.0 21.0

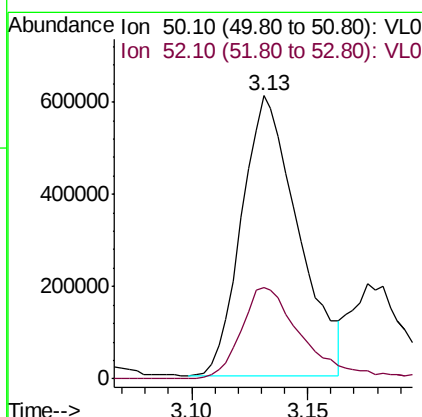
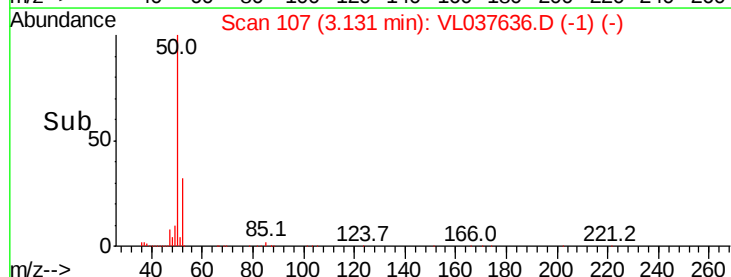
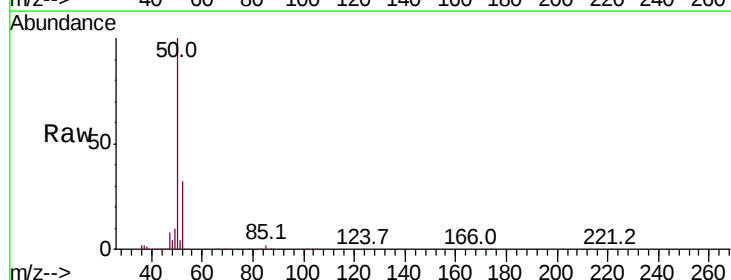
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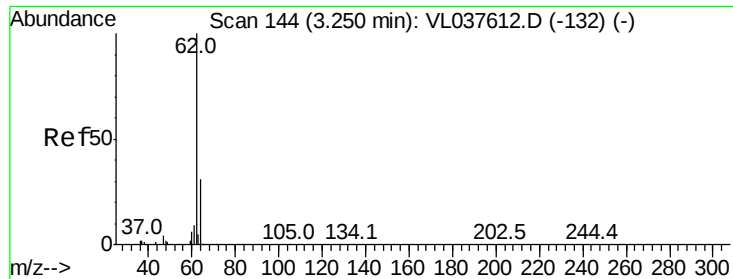
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#4
Chloromethane
Concen: 9.687 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 50 Resp: 1032159
Ion Ratio Lower Upper
50 100
52 32.5 27.1 40.7





#5

Vinyl Chloride

Concen: 10.384 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1039243

Ion Ratio Lower Upper

62 100

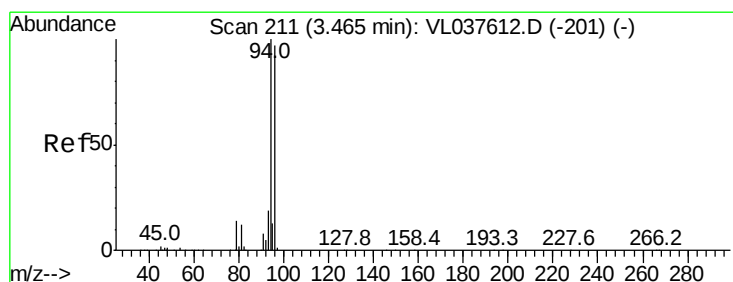
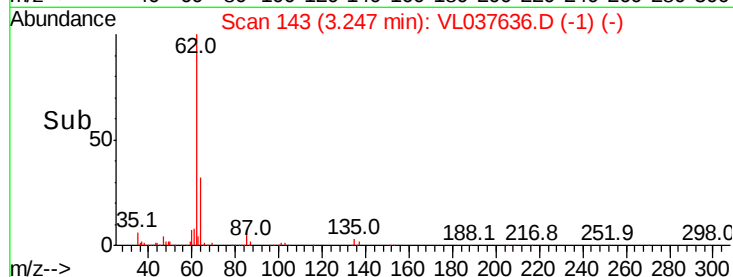
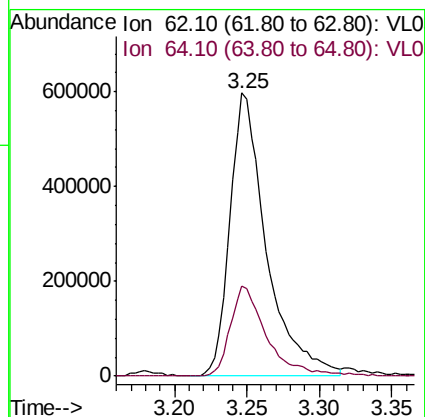
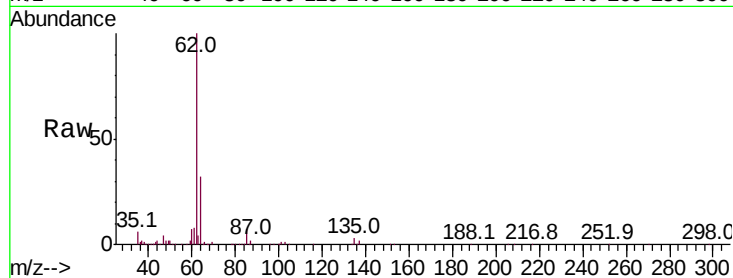
64 31.9 24.9 37.3

Manual Integrations

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#6

Bromomethane

Concen: 9.697 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.00 min

Lab File: VL037636.D

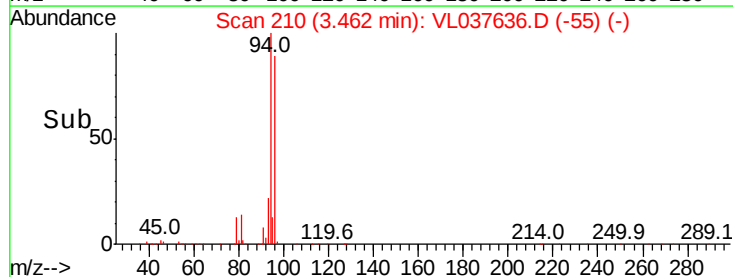
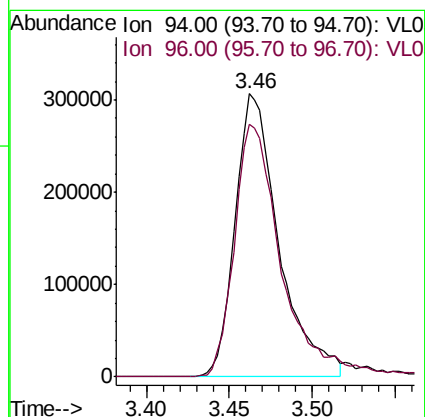
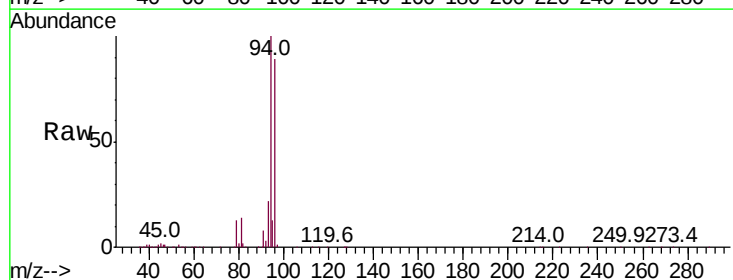
Acq: 17 Sep 2021 4:31

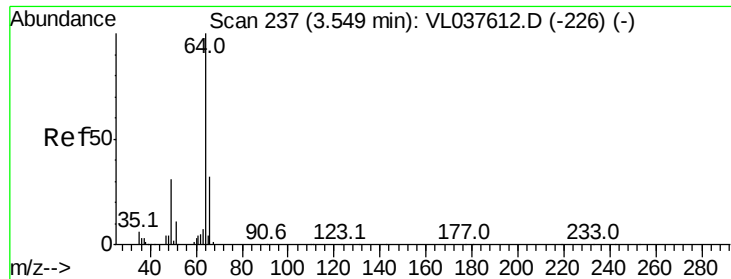
Tgt Ion: 94 Resp: 564050

Ion Ratio Lower Upper

94 100

96 89.3 77.3 115.9





#7

Chloroethane

Concen: 9.787 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 366043

Ion Ratio Lower Upper

64 100

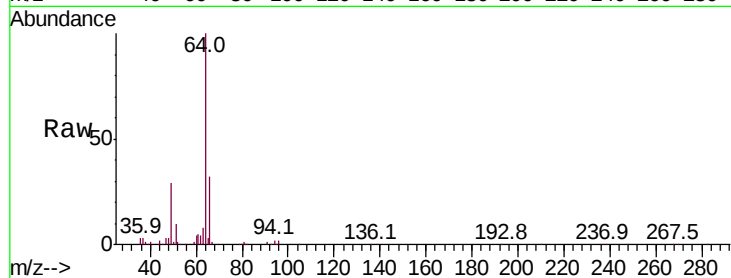
66 31.6 25.3 37.9

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

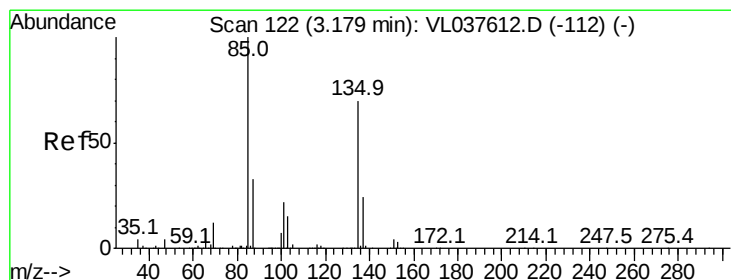
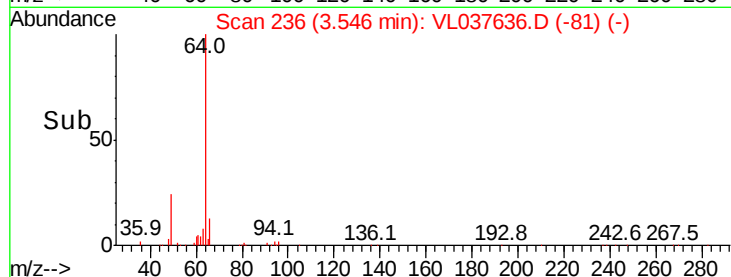
150000

100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.674 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037636.D

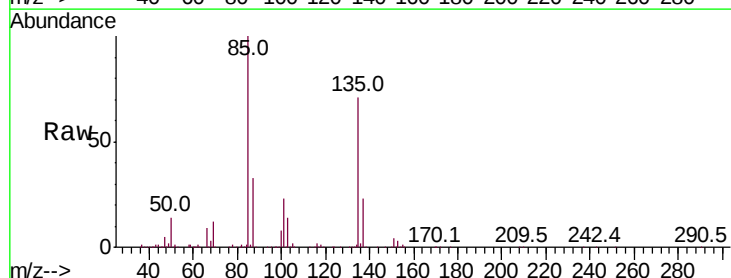
Acq: 17 Sep 2021 4:31

Tgt Ion: 85 Resp: 2308746

Ion Ratio Lower Upper

85 100

135 74.1 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

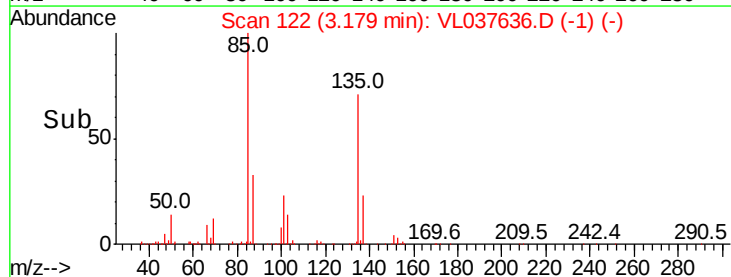
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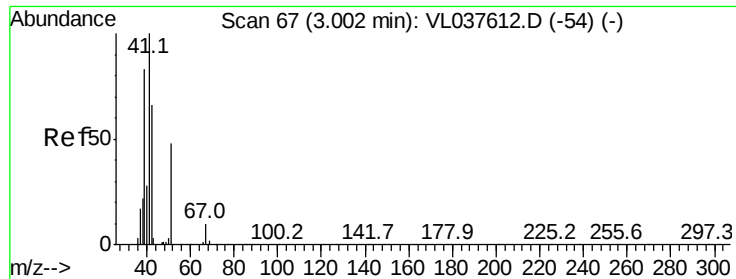
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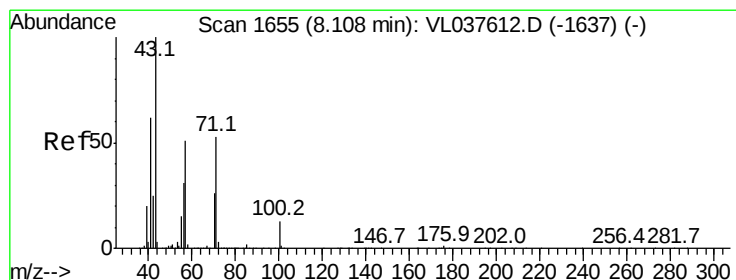
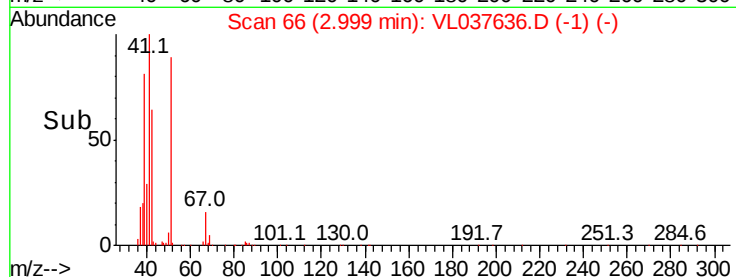
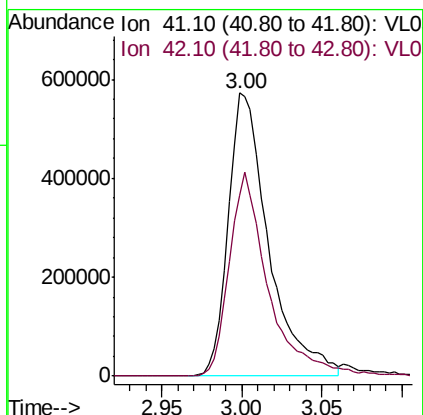
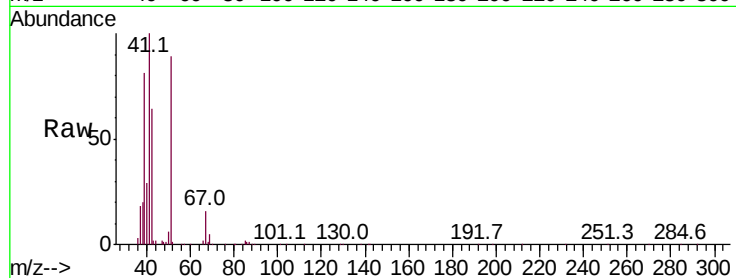
#9
Propene
Concen: 9.729 ppbv
RT: 3.00 min Scan# 66
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 989717
Ion Ratio Lower Upper
41 100
42 70.3 57.2 85.8

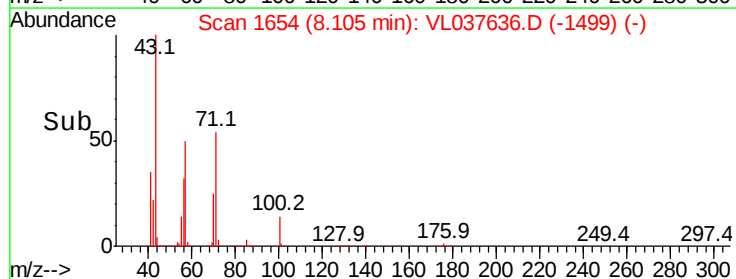
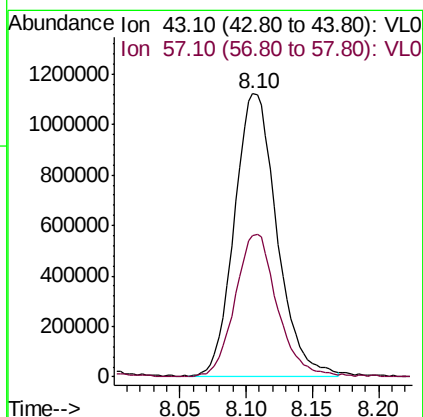
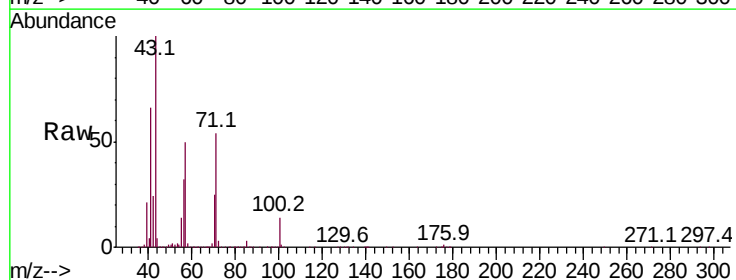
Manual Integrations
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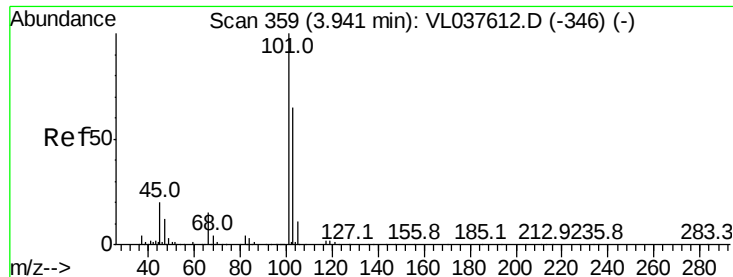
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#10
Heptane
Concen: 10.458 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 43 Resp: 2482442
Ion Ratio Lower Upper
43 100
57 50.6 40.1 60.1





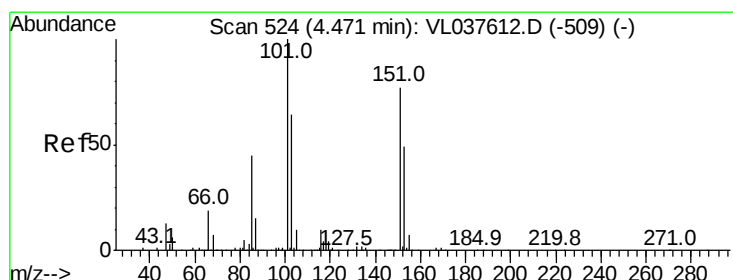
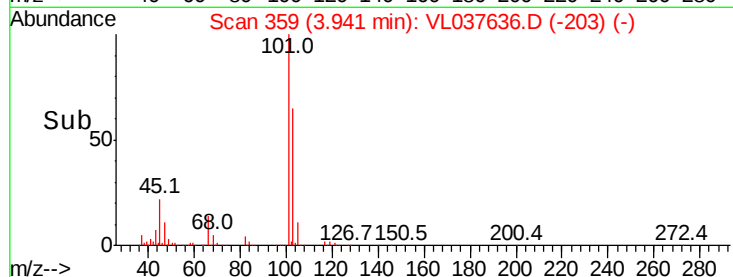
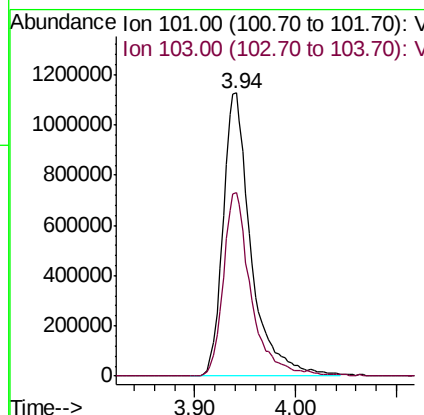
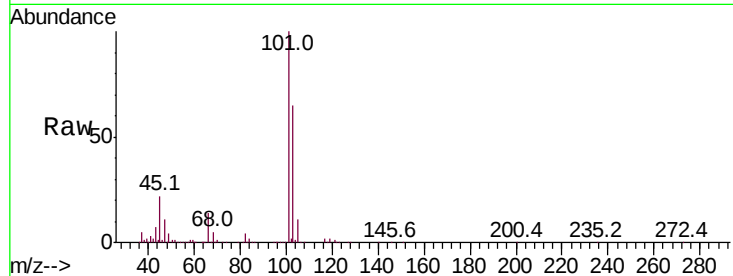
#11
 Trichlorofluoromethane
 Concen: 9.838 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2185239
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.9 77.9

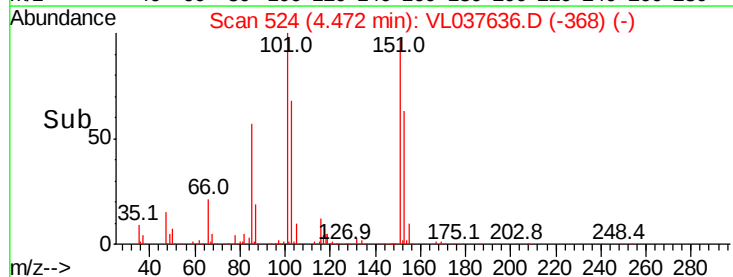
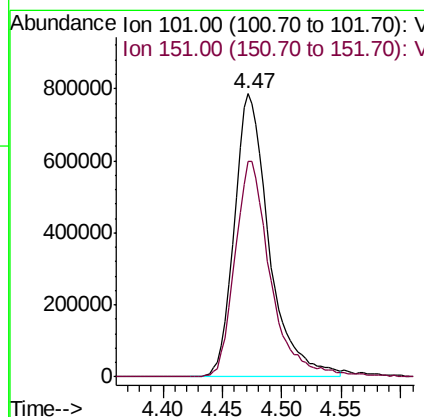
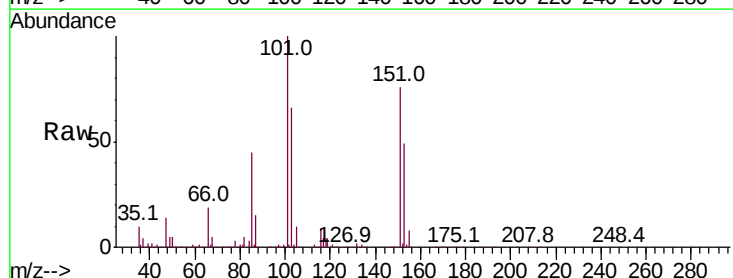
Manual Integrations
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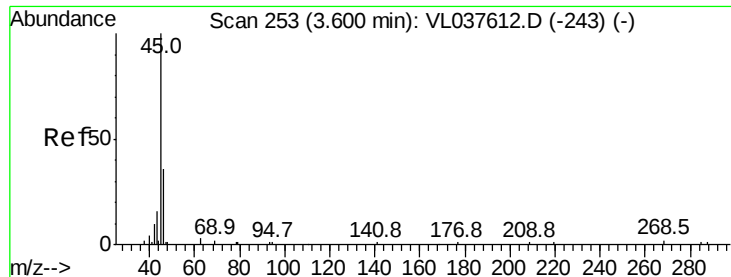
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.714 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion:101 Resp: 1592602
 Ion Ratio Lower Upper
 101 100
 151 78.5 63.5 95.3





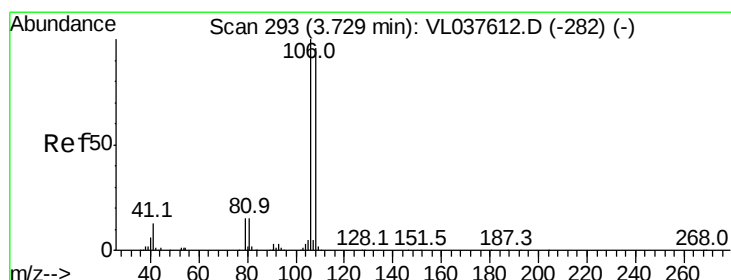
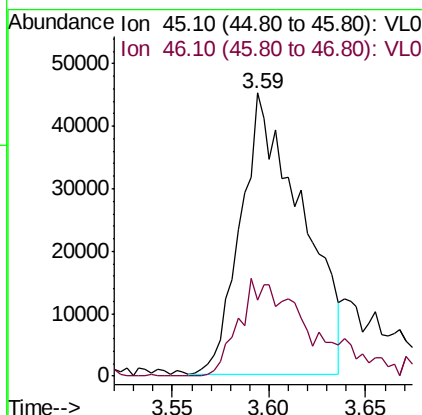
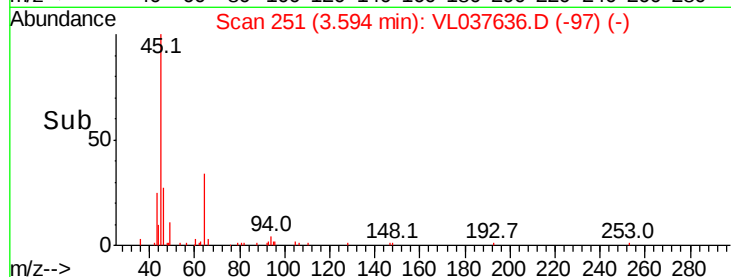
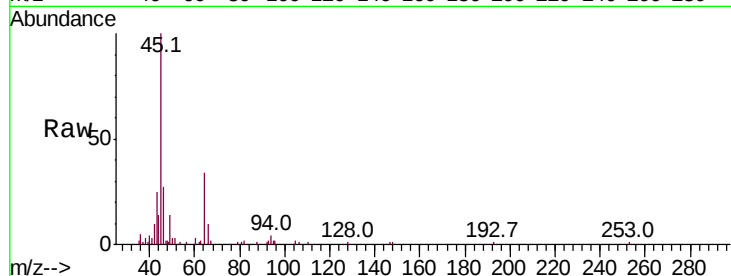
#13
Ethanol
Concen: 9.937 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
45	100		
46	40.9	17.2	68.8

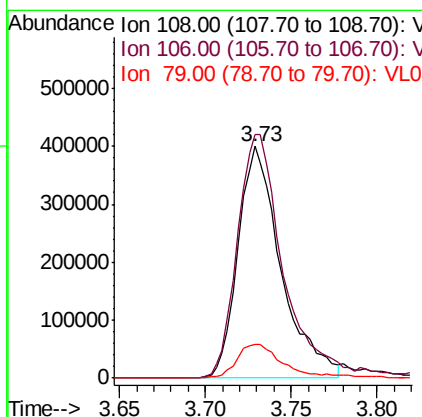
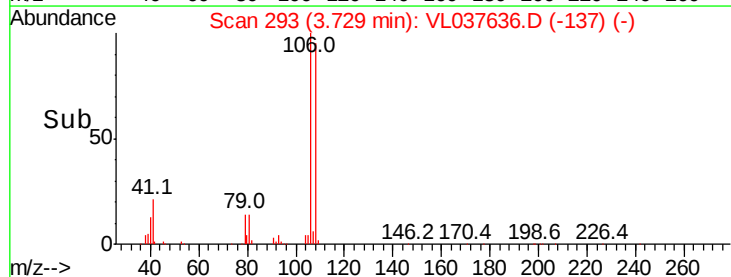
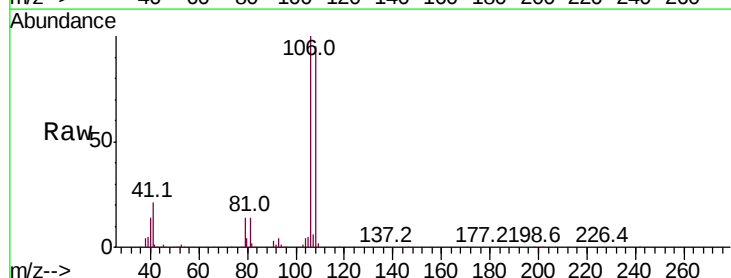
Manual Integrations
APPROVED

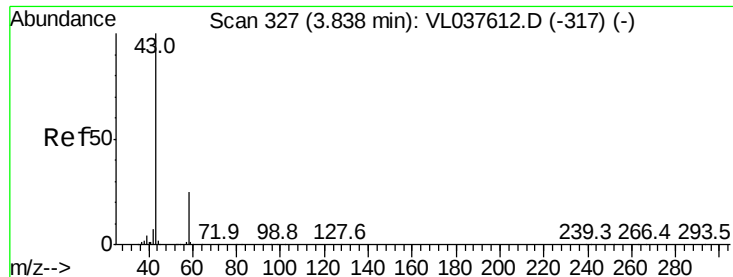
MMDadoda
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#14
Bromoethene
Concen: 9.322 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
108	100		
106	115.1	88.2	132.4
79	16.5	12.8	19.2





#15

Acetone

Concen: 7.458 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1184719

Ion Ratio Lower Upper

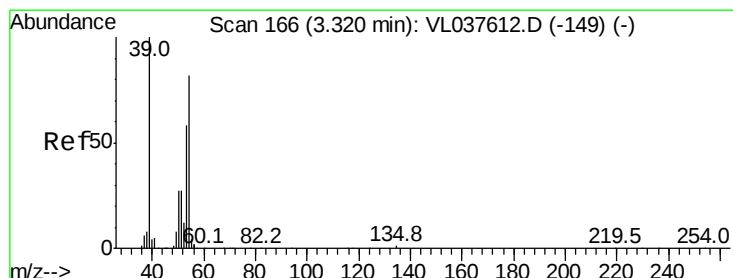
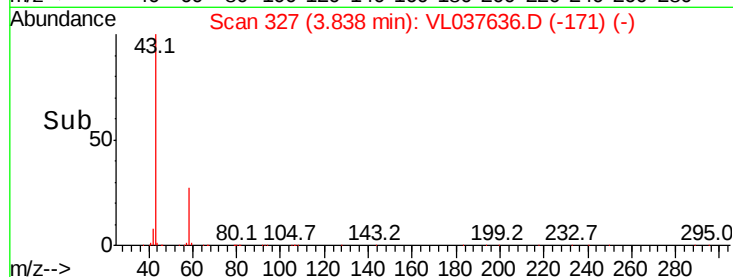
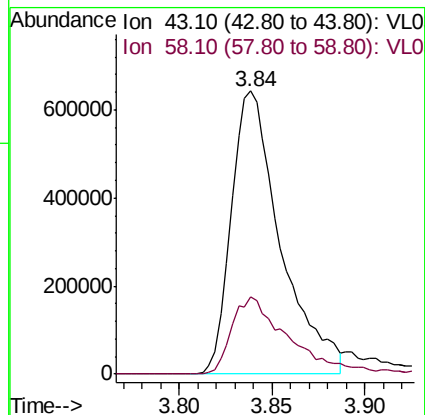
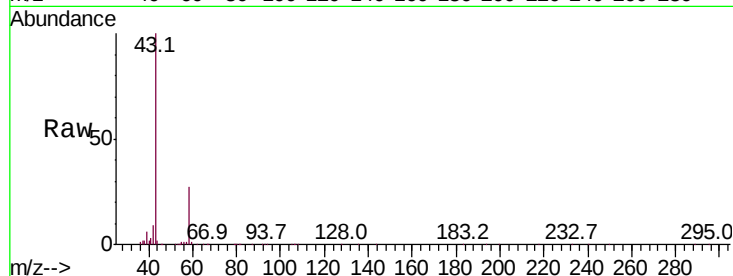
43 100

58 32.1 24.9 37.3

Manual Integrations
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#16

1,3-Butadiene

Concen: 9.964 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037636.D

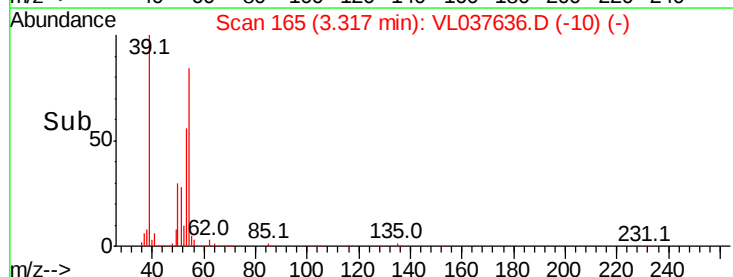
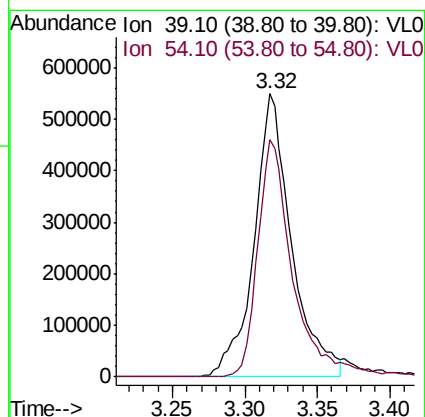
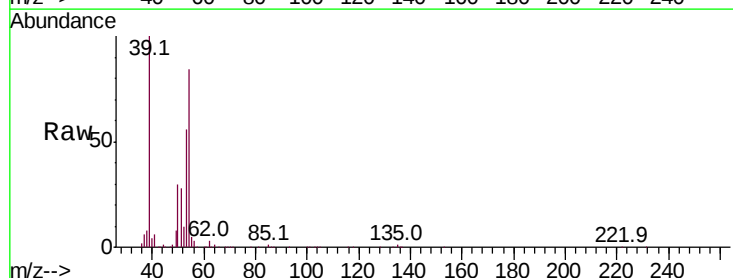
Acq: 17 Sep 2021 4:31

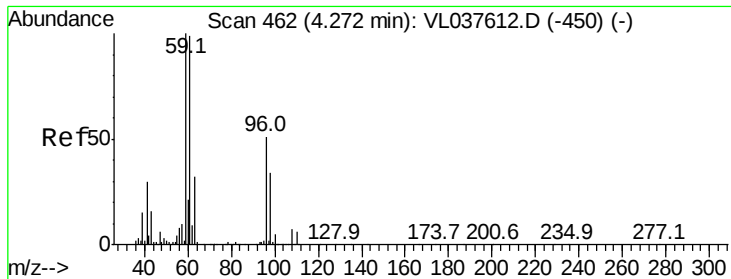
Tgt Ion: 39 Resp: 988996

Ion Ratio Lower Upper

39 100

54 80.1 62.6 93.8





#17

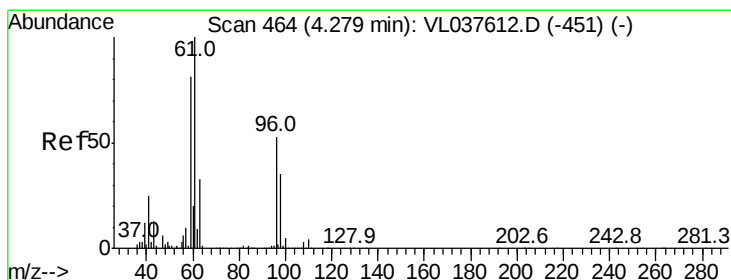
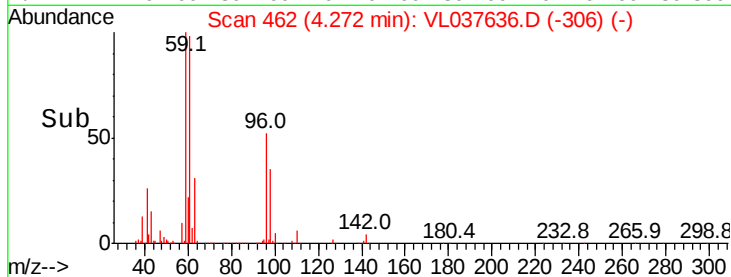
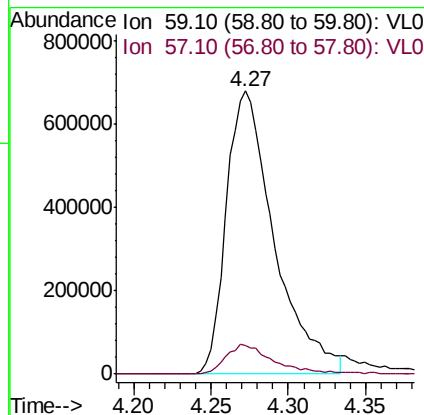
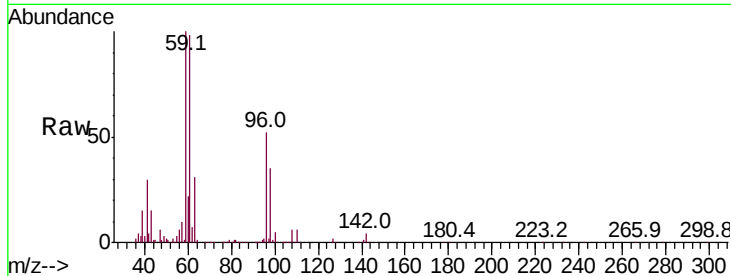
tert-Butyl alcohol
Concen: 10.868 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1463859
Ion Ratio Lower Upper
59 100
57 11.0 8.4 12.6

Manual Integrations
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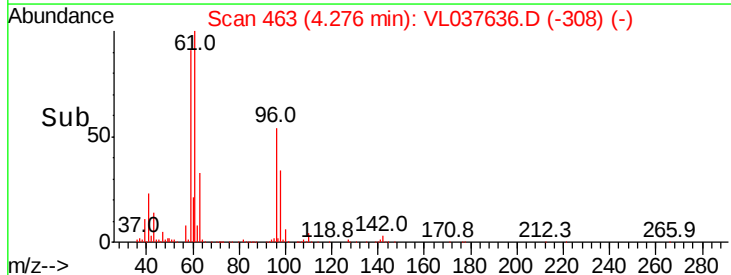
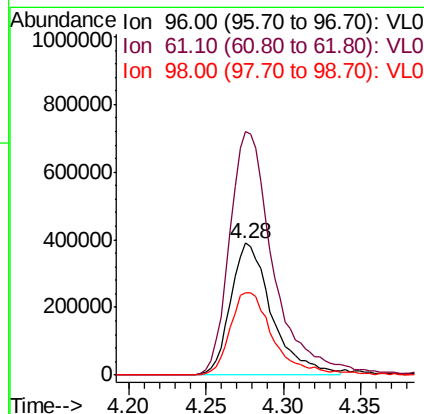
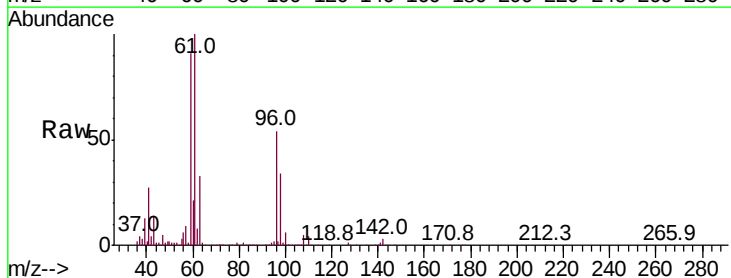
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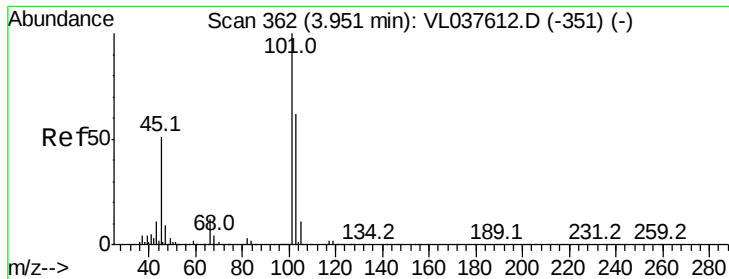


#18

1,1-Dichloroethene
Concen: 9.460 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 96 Resp: 722489
Ion Ratio Lower Upper
96 100
61 184.9 150.4 225.6
98 62.0 52.1 78.1





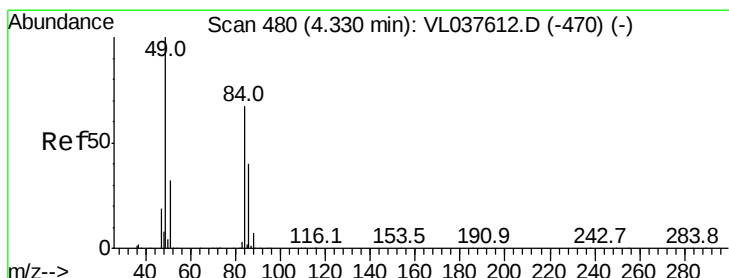
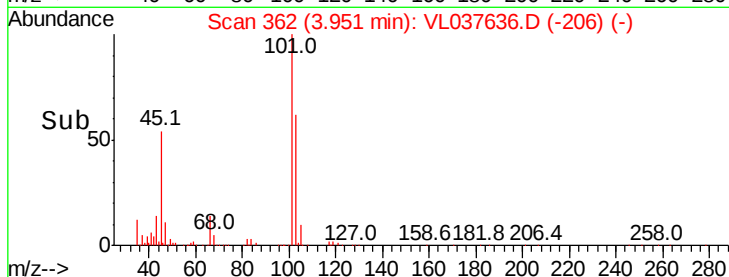
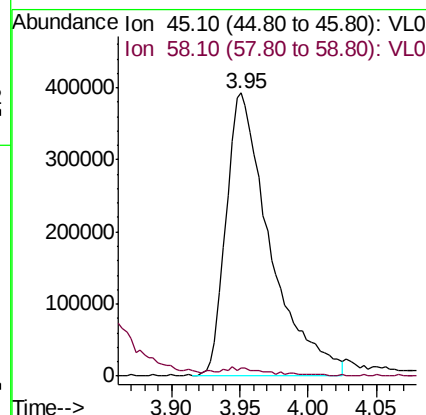
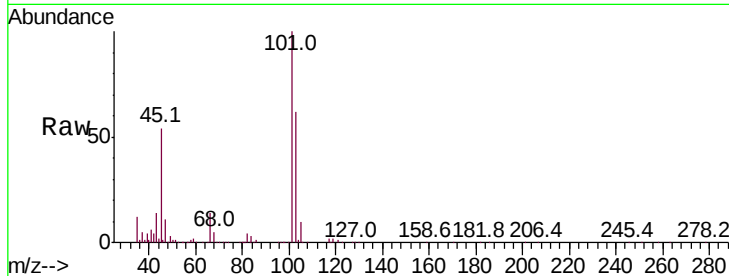
#19
Isopropyl Alcohol
Concen: 10.193 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 880972
Ion Ratio Lower Upper
45 100
58 3.7 2.9 4.3

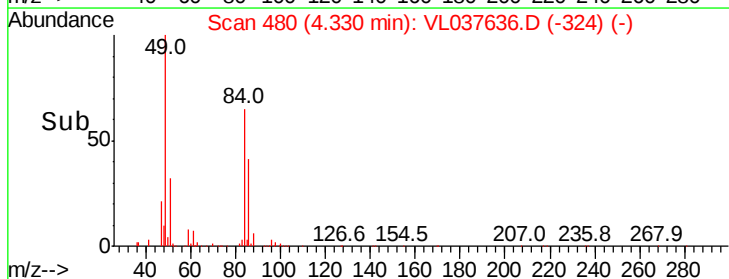
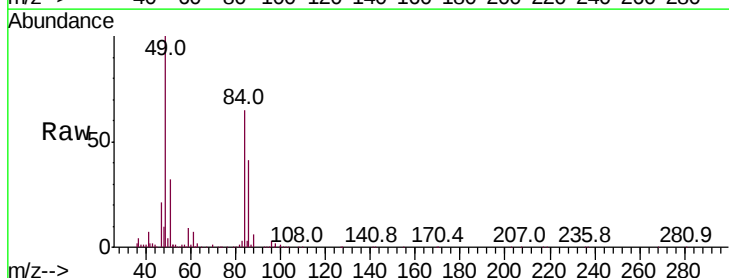
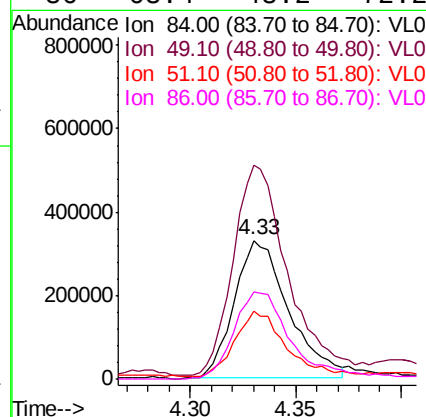
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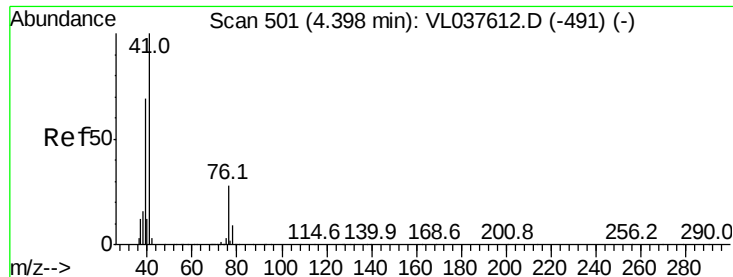
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#20
Methylene Chloride
Concen: 7.683 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 84 Resp: 582630
Ion Ratio Lower Upper
84 100
49 153.7 120.0 180.0
51 48.7 38.0 57.0
86 63.4 48.2 72.2





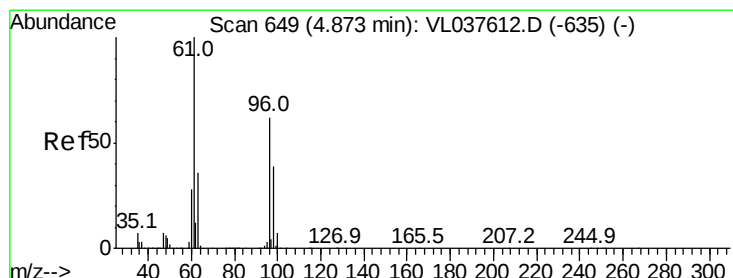
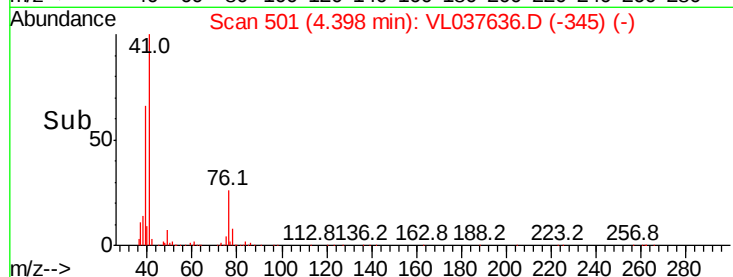
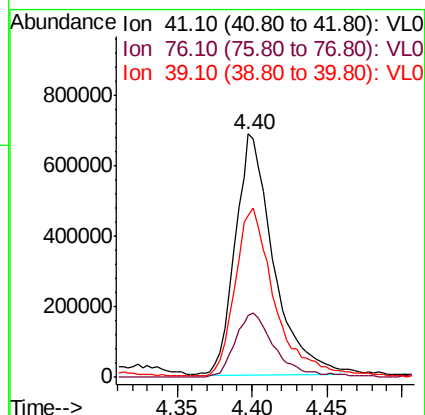
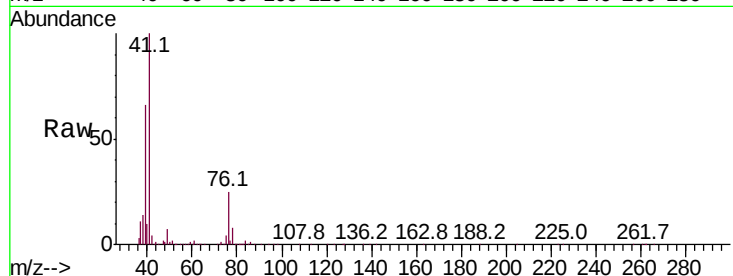
#21
Allvl Chloride
Concen: 10.213 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.1	23.1	34.7
39	73.3	61.0	91.6

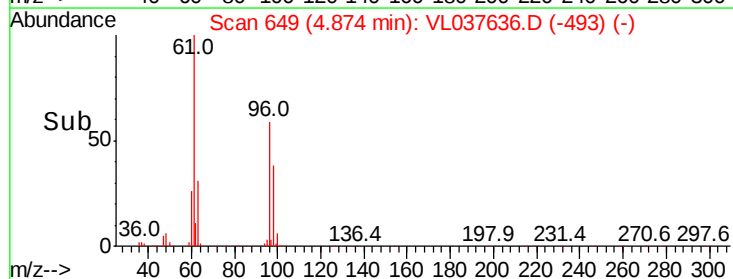
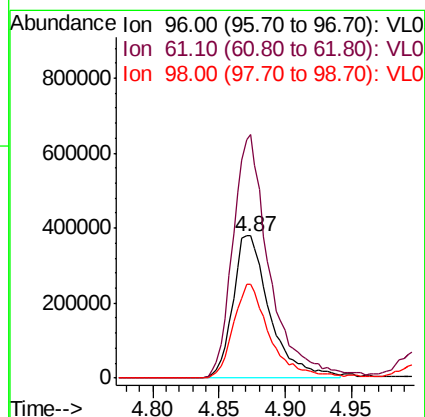
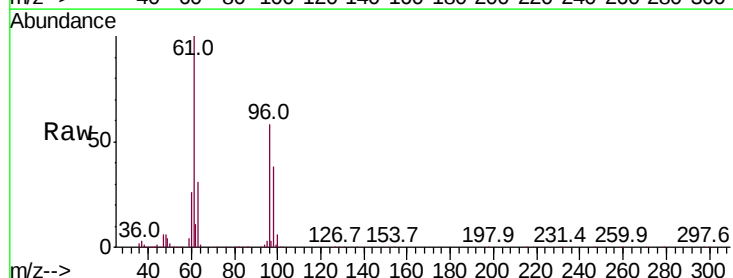
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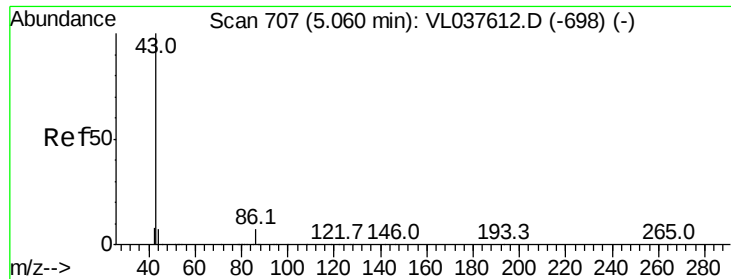
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#22
trans-1,2-Dichloroethene
Concen: 9.582 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.1	129.2	193.8
98	65.6	50.4	75.6





#23

Vinyl Acetate

Concen: 11.294 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

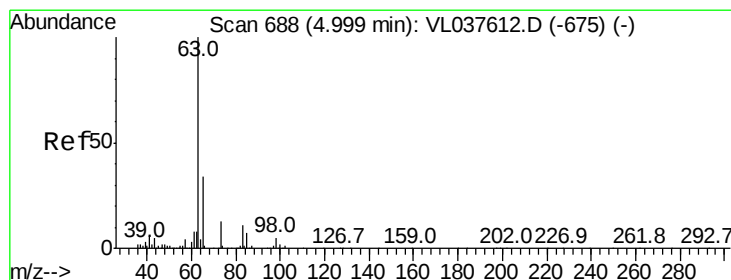
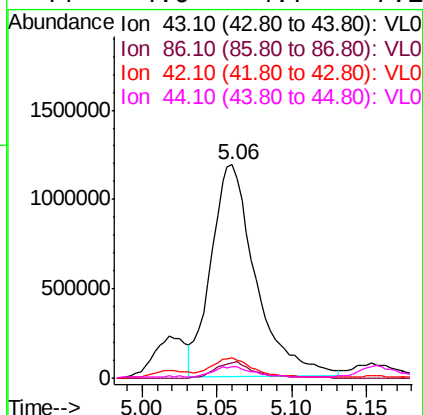
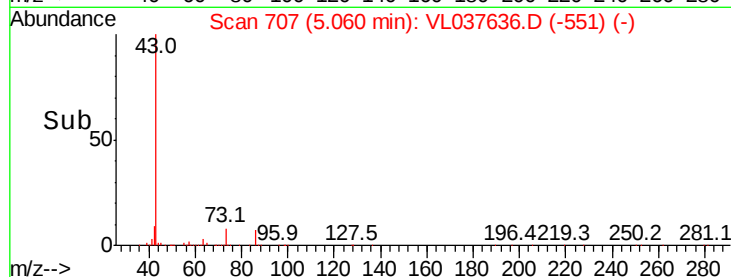
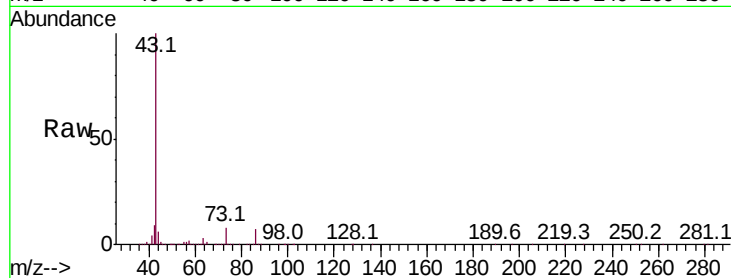
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	2482468
Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.0	7.6
42	9.3	7.5	11.3
44	4.9	4.7	7.1

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#24

1,1-Dichloroethane

Concen: 10.050 ppbv

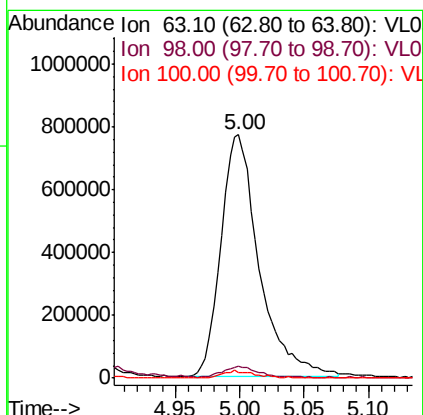
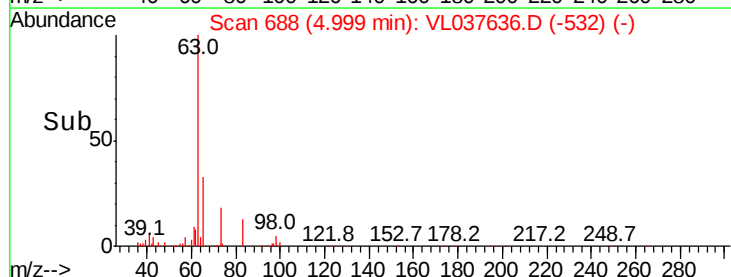
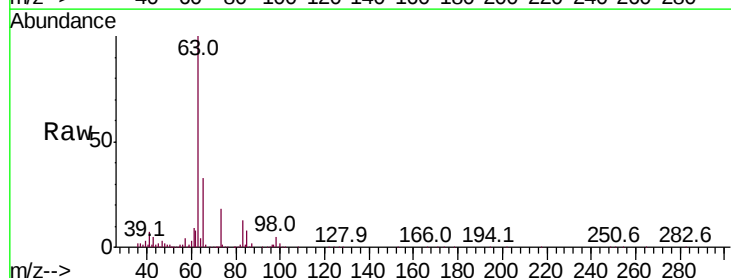
RT: 5.00 min Scan# 688

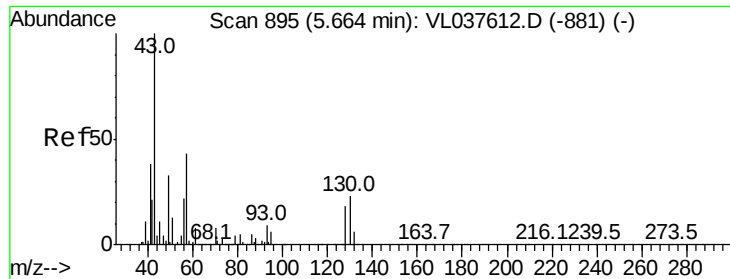
Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion	63	Resp	1582521
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.4	7.2
100	2.3	1.1	3.5





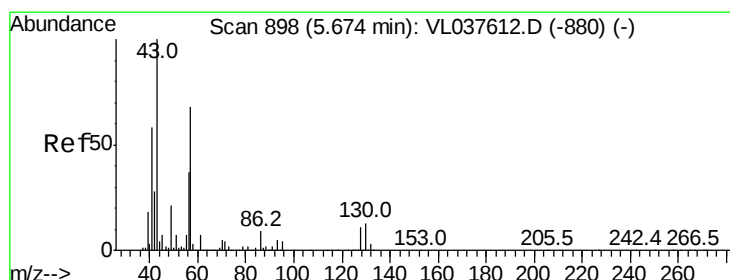
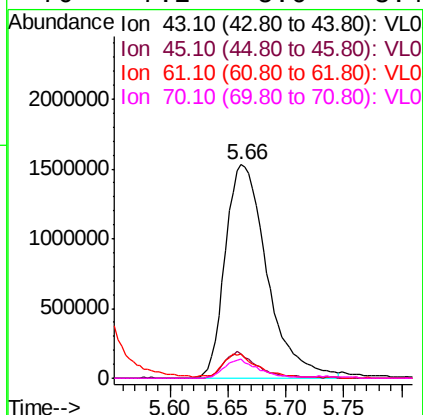
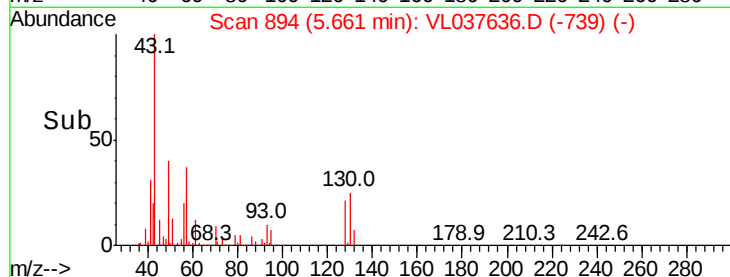
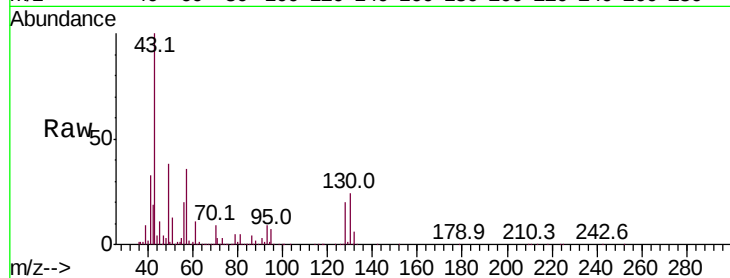
#25
Ethyl Acetate
Concen: 9.919 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3816098
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.0	12.0
61	10.2	7.5	11.3
70	7.2	5.6	8.4

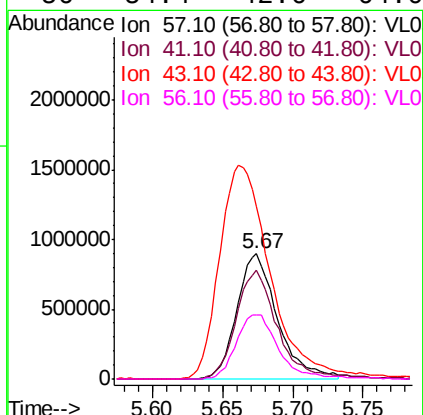
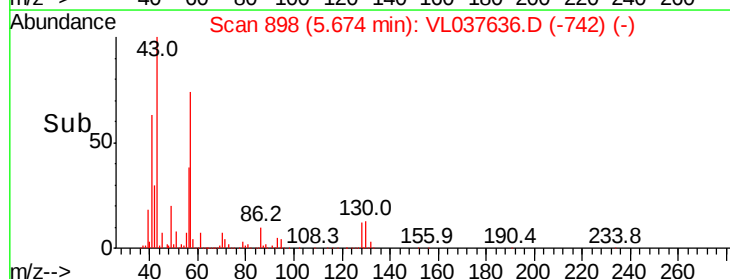
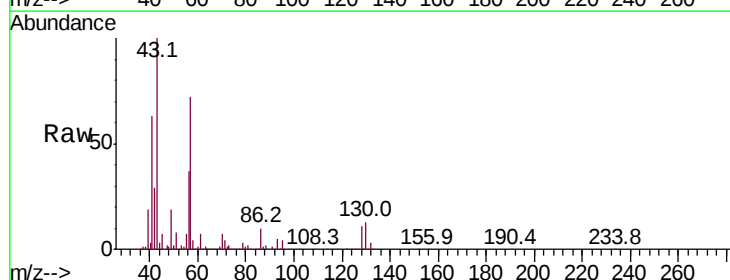
Manual Integrations
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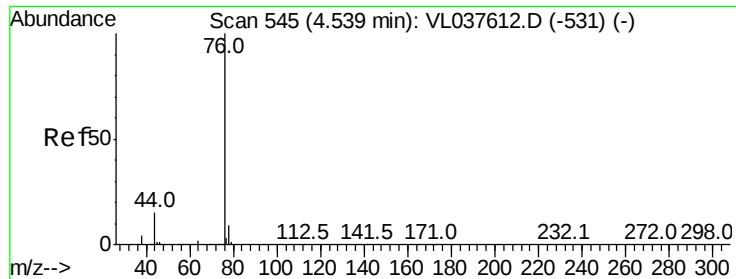
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#26
Hexane
Concen: 9.887 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	57	Resp	1806869
Ion	Ratio	Lower	Upper
57	100		
41	89.6	70.9	106.3
43	215.9	170.4	255.6
56	54.4	42.6	64.0





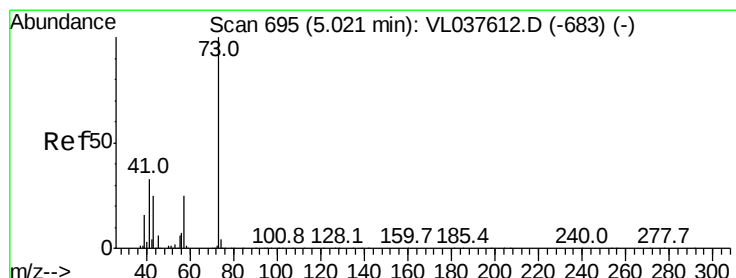
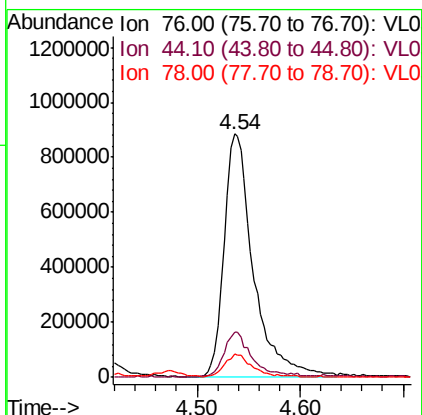
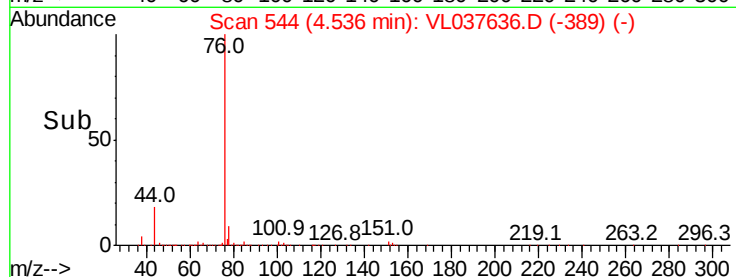
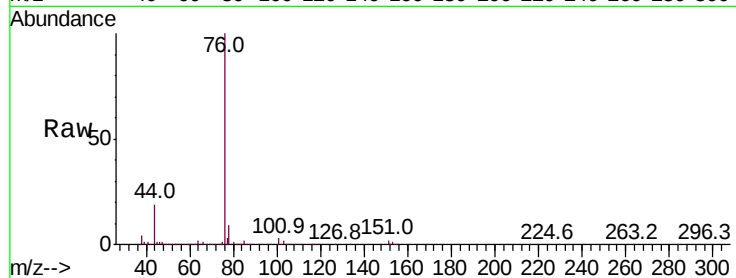
#27
Carbon Disulfide
Concen: 10.439 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 76 Resp: 1745279
Ion Ratio Lower Upper
76 100
44 17.9 14.2 21.2
78 9.4 7.4 11.0

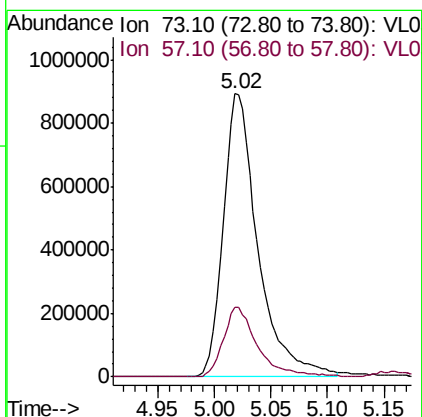
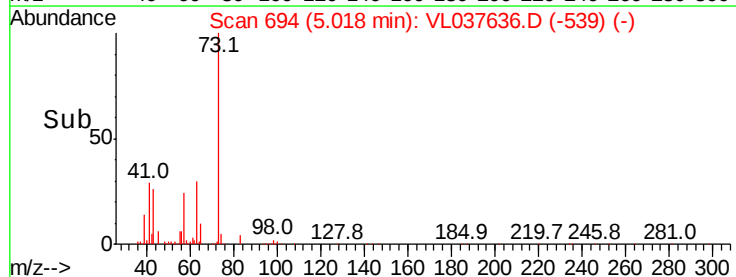
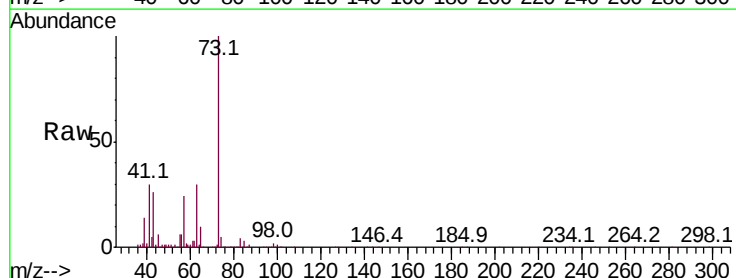
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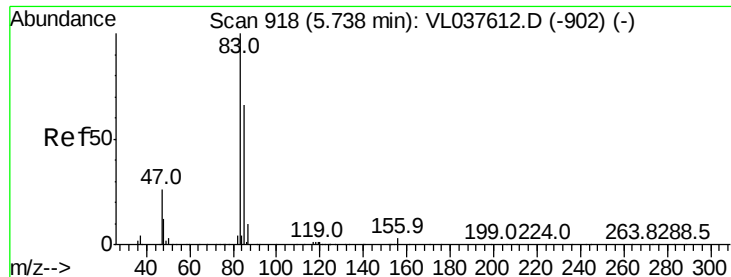
MMDadoda
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#28
Methyl tert-Butyl Ether
Concen: 11.812 ppbv
RT: 5.02 min Scan# 694
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 73 Resp: 1901369
Ion Ratio Lower Upper
73 100
57 24.3 20.1 30.1





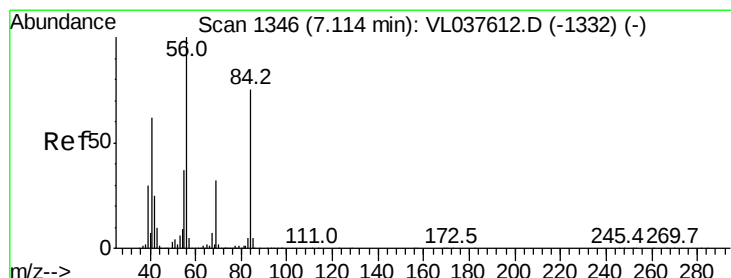
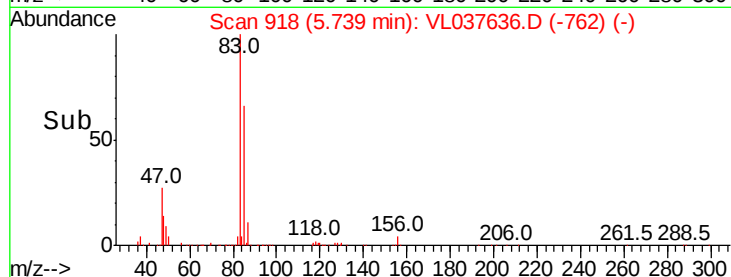
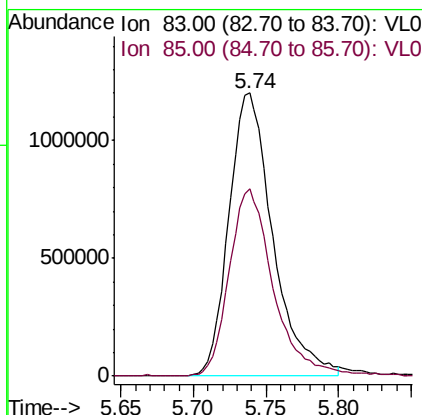
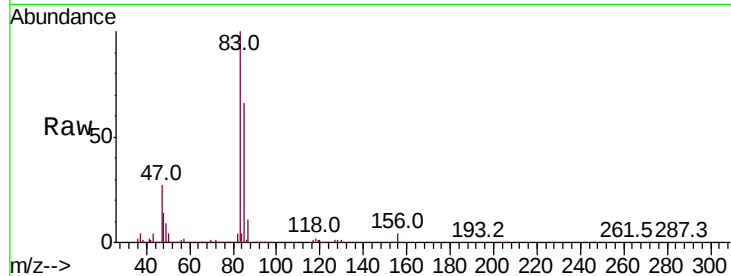
#29
Chloroform
Concen: 9.458 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2523864
Ion Ratio Lower Upper
83 100
85 66.2 52.6 79.0

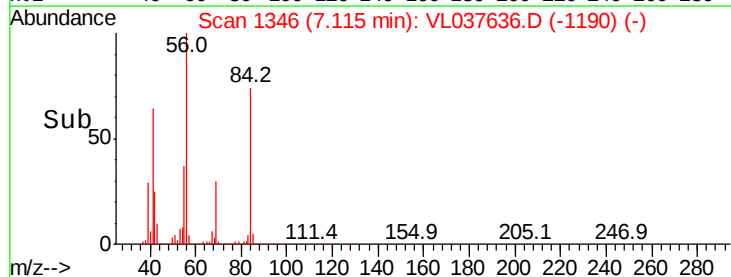
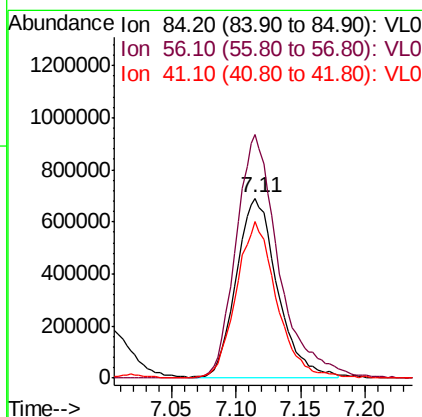
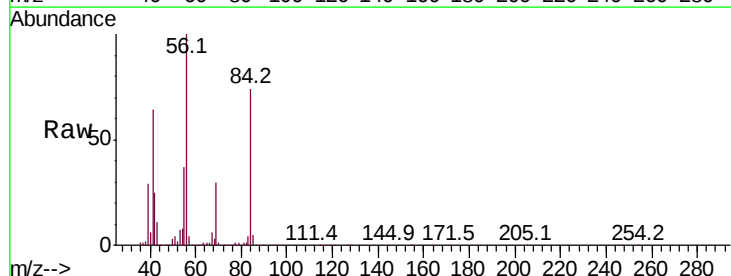
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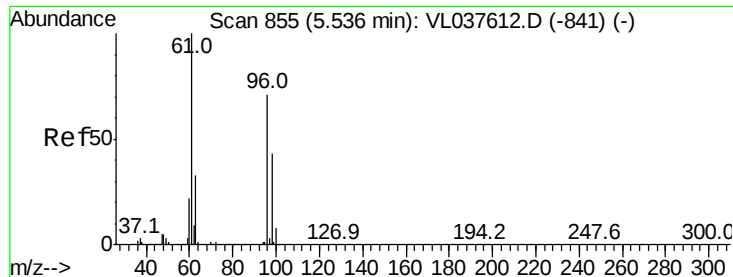
MMDadoda
9/20/2021 5:27:45 PM



#30
Cyclohexane
Concen: 9.762 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 84 Resp: 1525870
Ion Ratio Lower Upper
84 100
56 142.0 113.6 170.4
41 86.7 67.9 101.9





#31

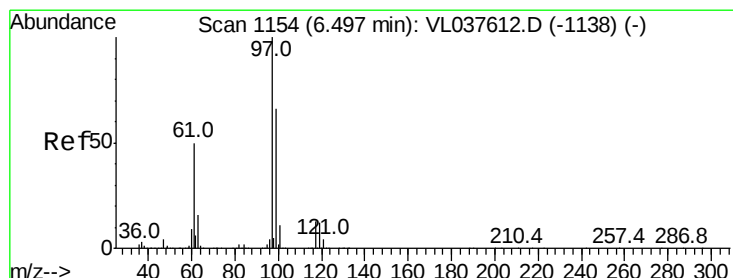
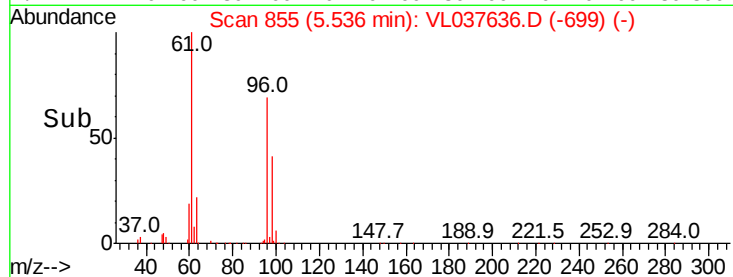
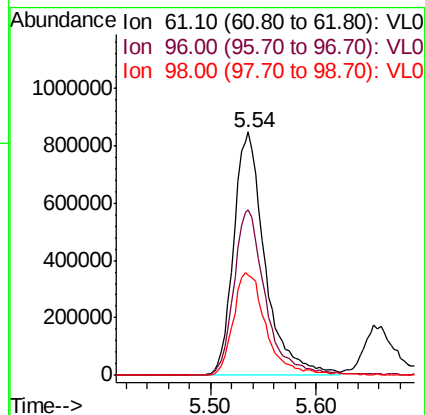
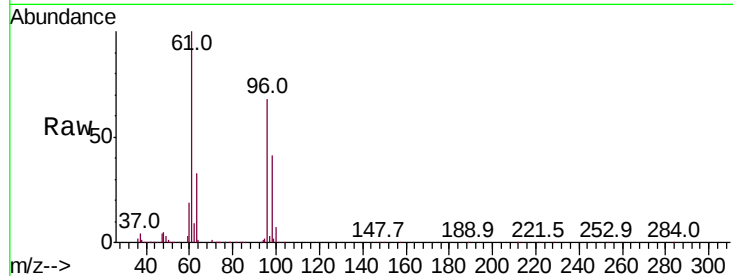
cis-1,2-Dichloroethene
 Concen: 10.479 ppbv
 RT: 5.54 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.9	56.7	85.1
98	41.2	34.6	52.0

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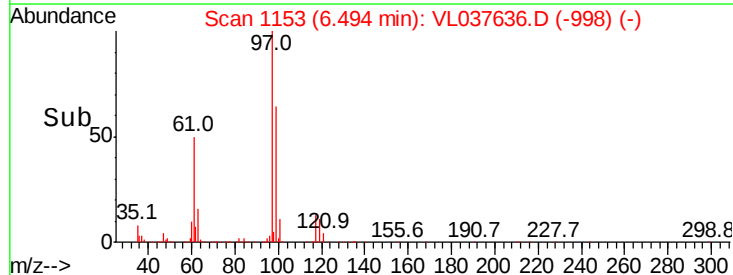
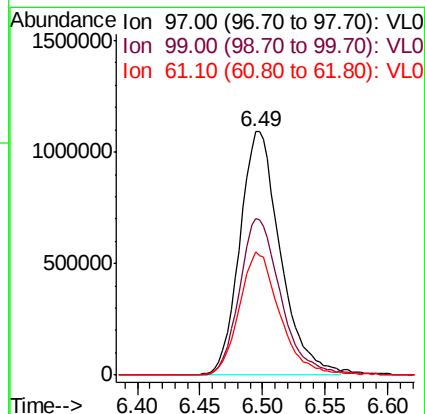
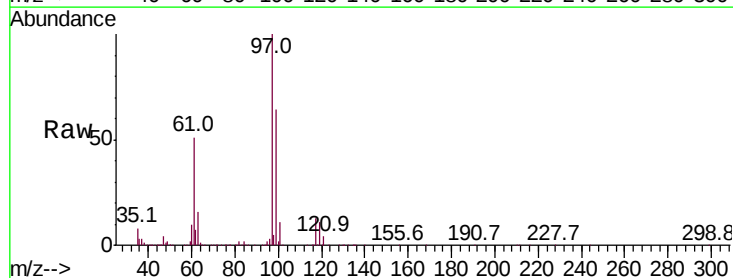
MMDadoda
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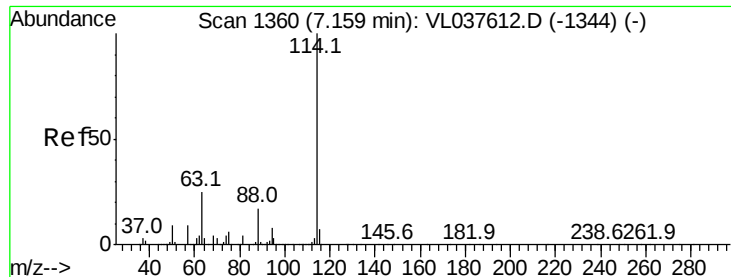


#32

1,1,1-Trichloroethane
 Concen: 9.899 ppbv
 RT: 6.49 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.3	78.5
61	50.3	39.5	59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

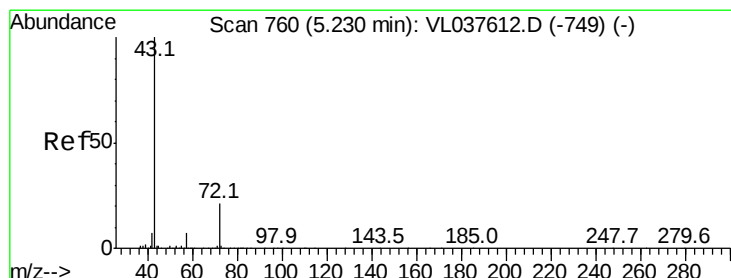
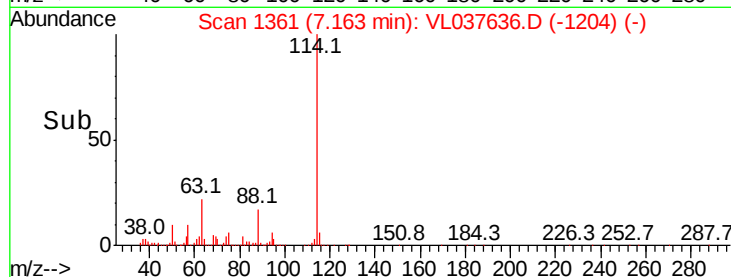
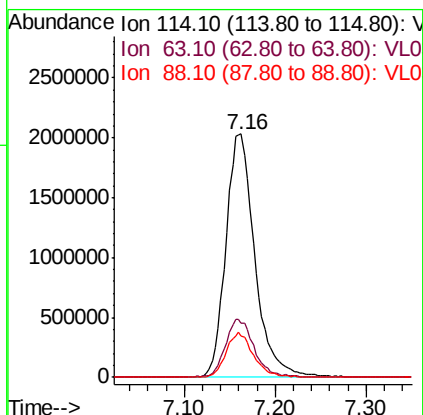
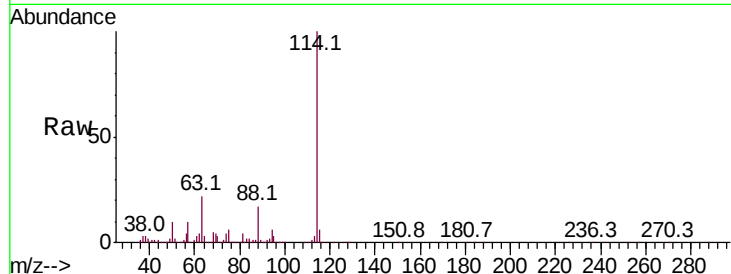
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.6	14.2	21.4

Manual Integrations
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#34

2-Butanone

Concen: 9.261 ppbv

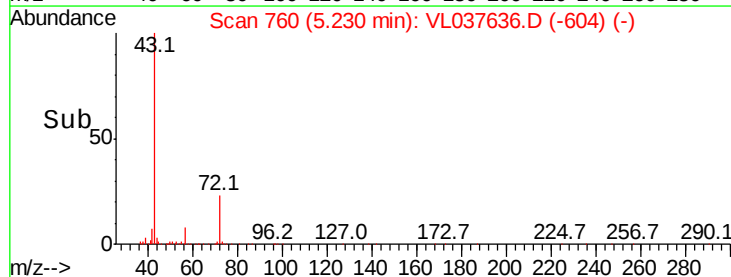
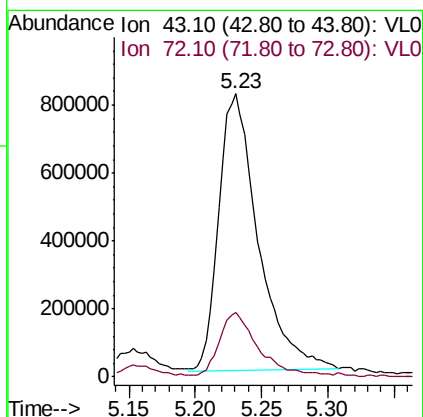
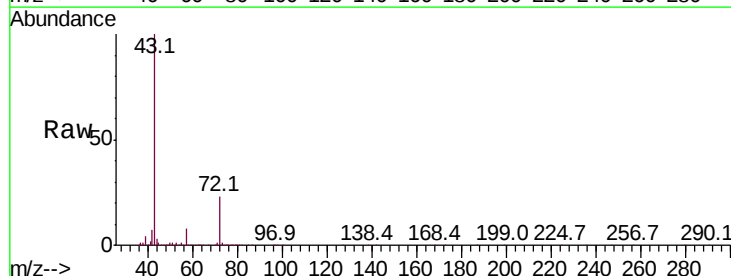
RT: 5.23 min Scan# 760

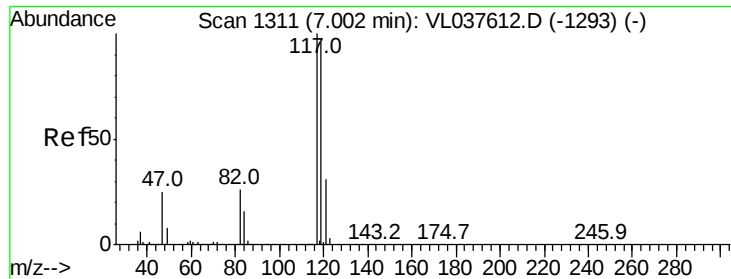
Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.4	27.6





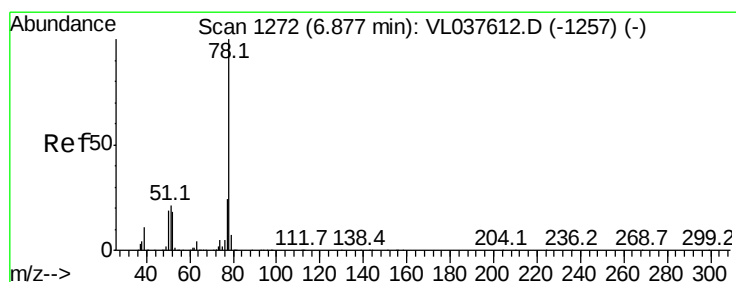
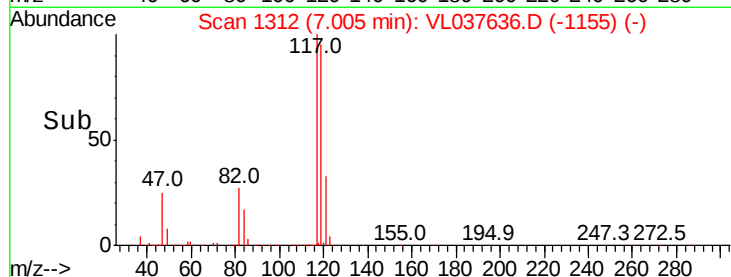
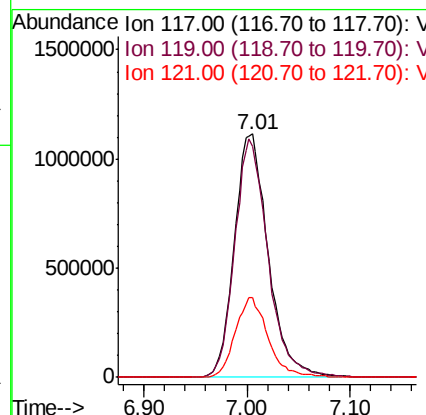
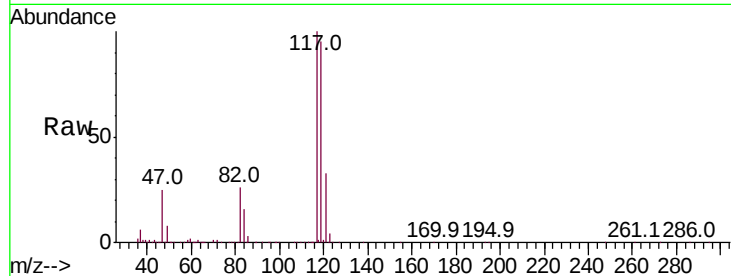
#35
Carbon Tetrachloride
Concen: 10.026 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.0	77.0	115.6
121	32.8	24.5	36.7

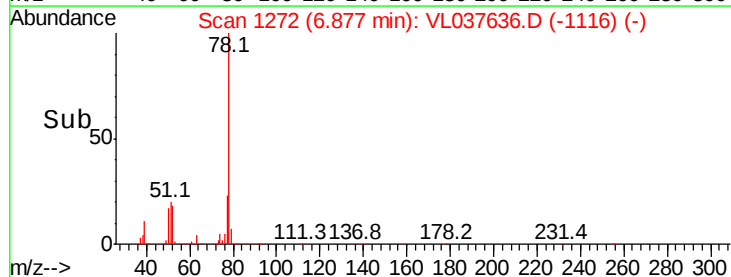
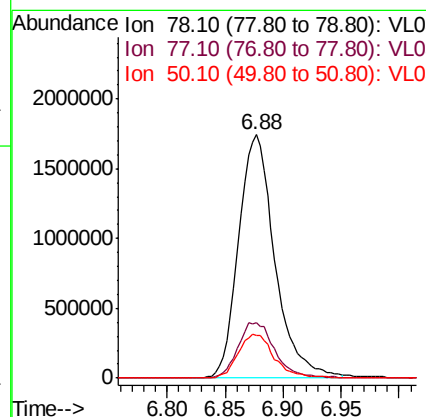
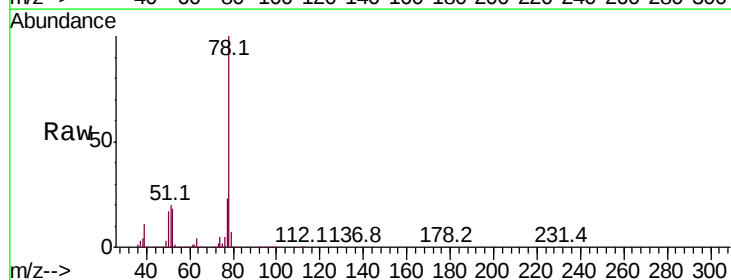
Manual Integrations
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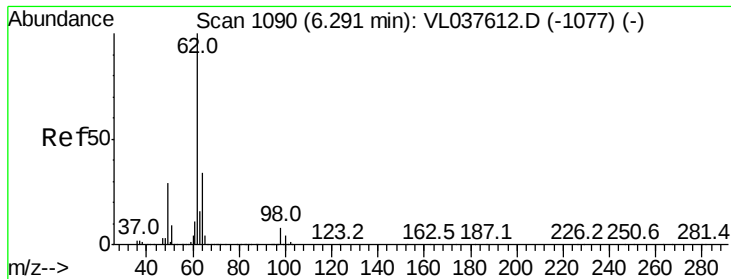
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#36
Benzene
Concen: 10.102 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	19.0	28.4
50	17.5	14.8	22.2





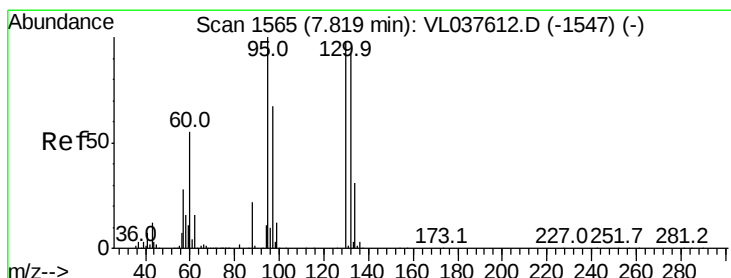
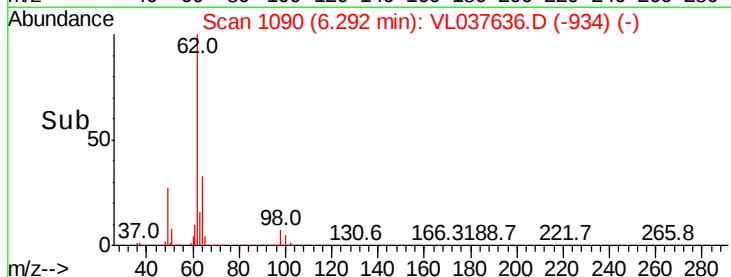
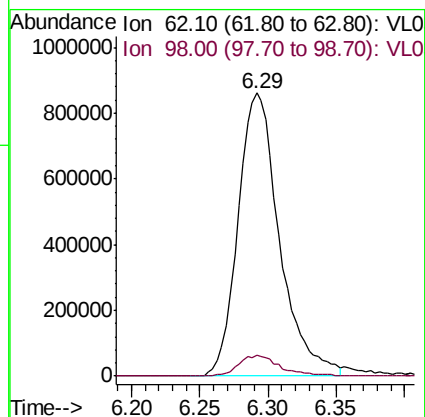
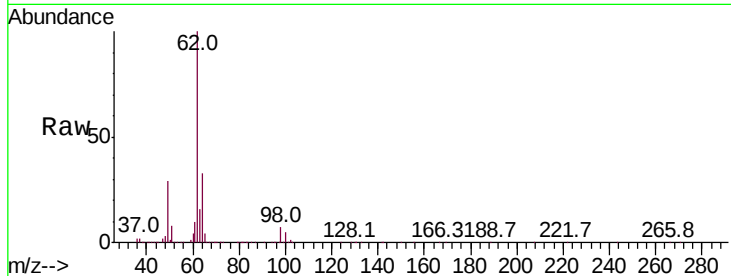
#37
 1,2-Dichloroethane
 Concen: 9.854 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.5	6.1	9.1

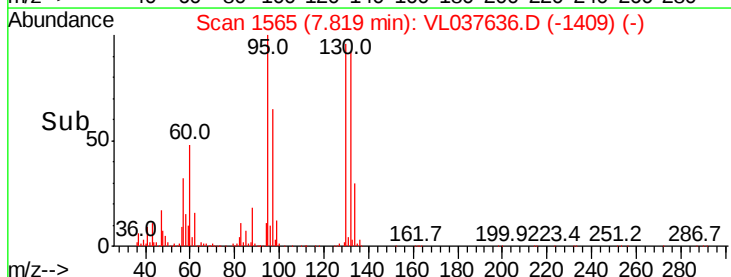
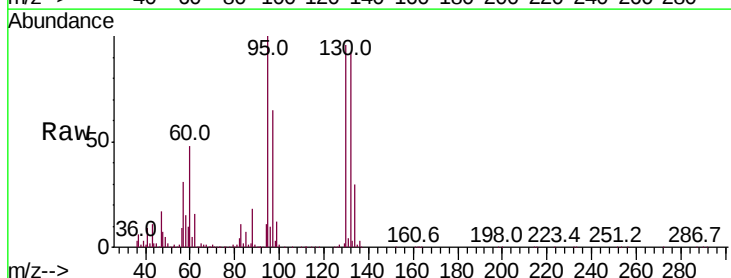
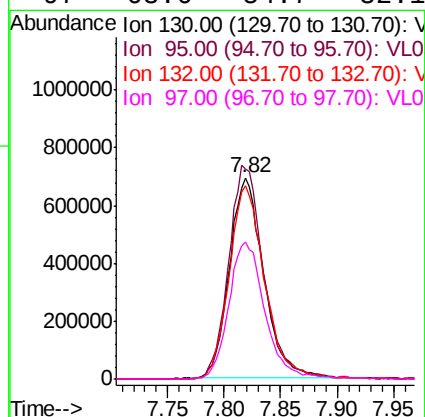
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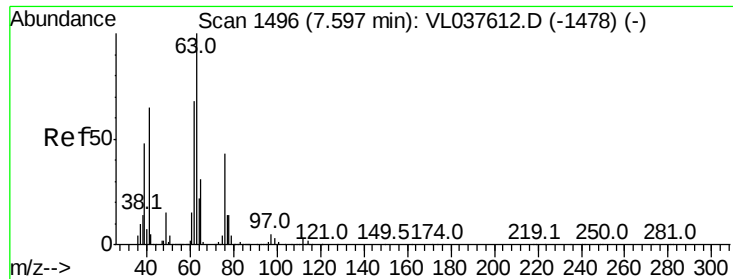
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#38
 Trichloroethene
 Concen: 9.359 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.0	81.8	122.6
132	96.2	75.3	112.9
97	68.6	54.7	82.1





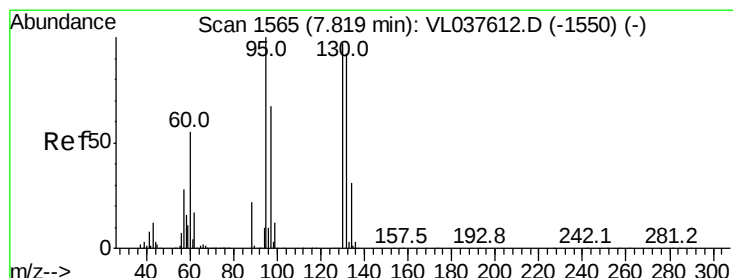
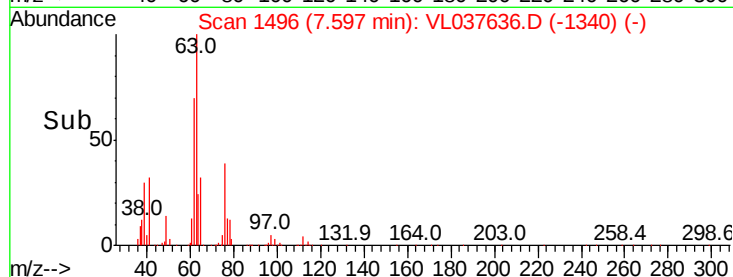
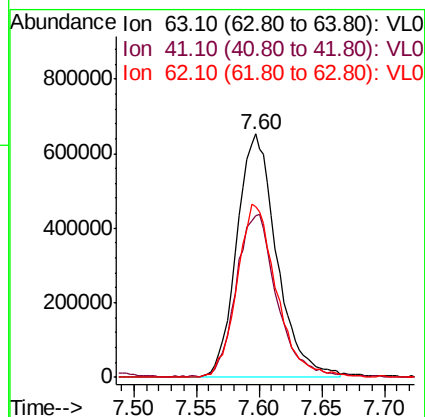
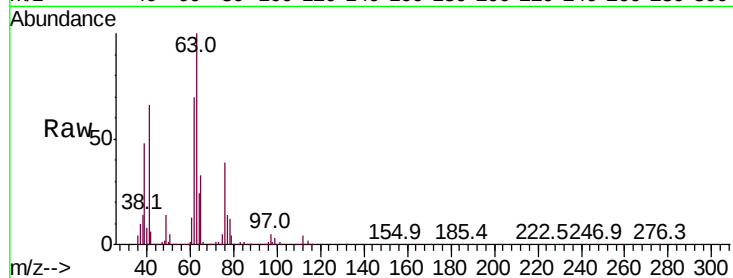
#39
 1,2-Dichloropropane
 Concen: 10.078 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	65.7	51.6	77.4
62	70.1	54.6	81.8

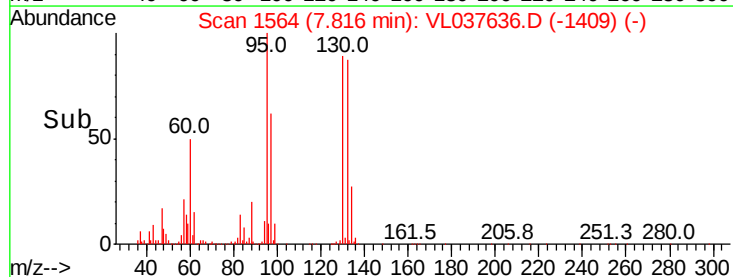
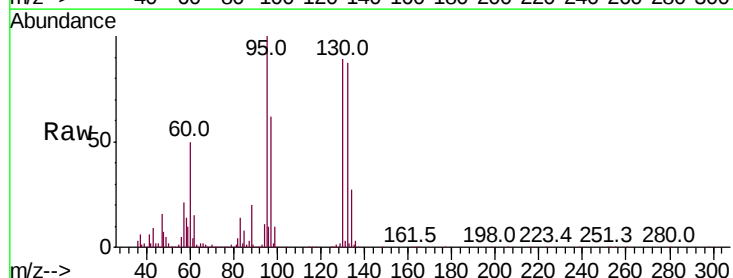
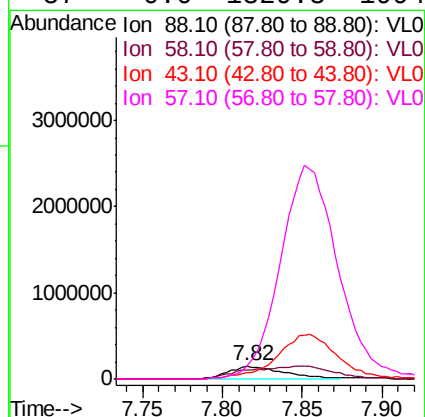
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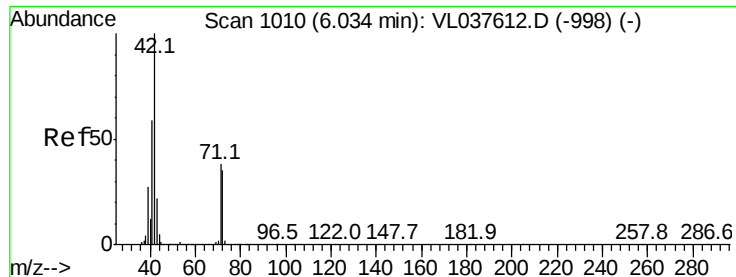
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#40
 1,4-Dioxane
 Concen: 9.827 ppbv
 RT: 7.82 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.4	183.6#
43	0.0	297.4	446.0#
57	0.0	1329.8	1994.8#





#41

Tetrahydrofuran

Concen: 10.683 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

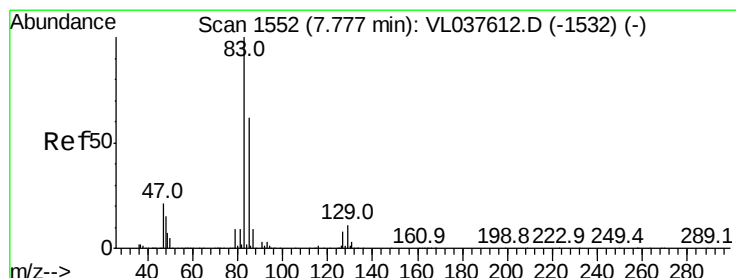
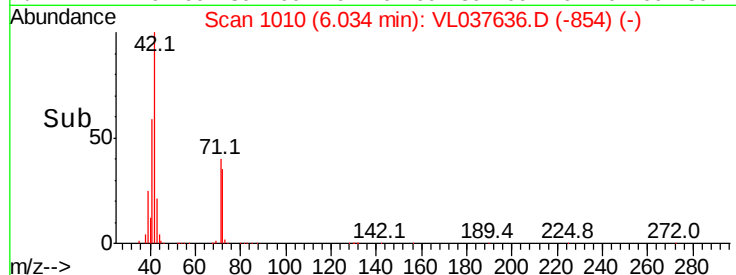
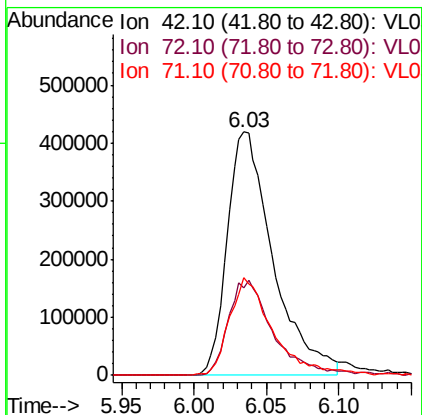
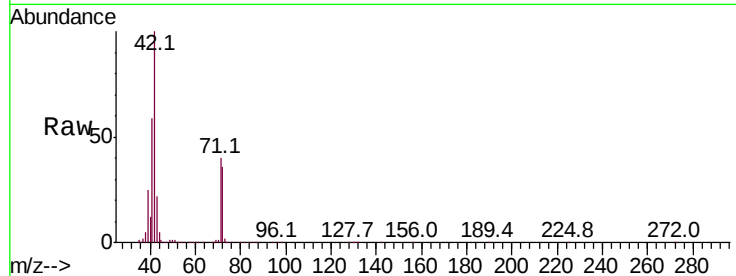
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	918046
Ion Ratio		Lower	Upper
42	100		
72	38.7	31.4	47.2
71	38.5	30.6	46.0

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.290 ppbv

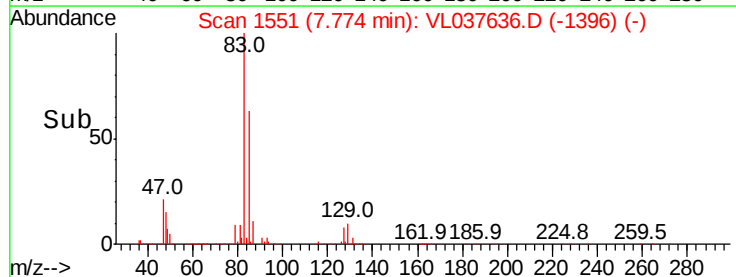
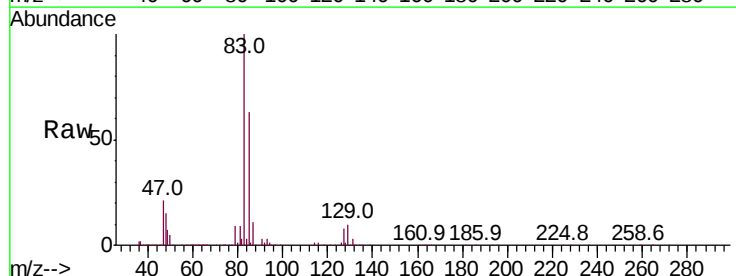
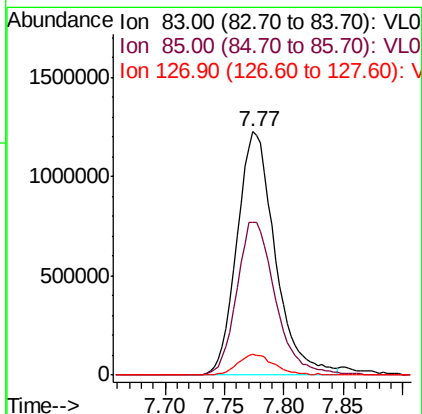
RT: 7.77 min Scan# 1551

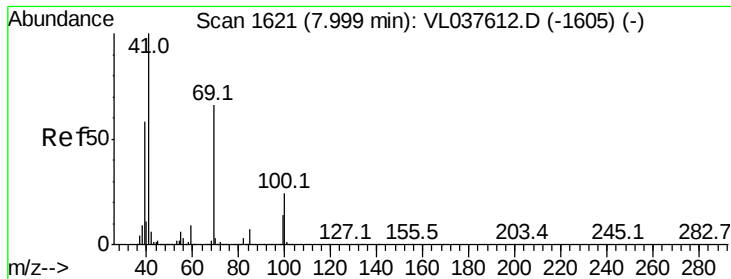
Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion:	83	Resp:	2720932
Ion Ratio		Lower	Upper
83	100		
85	62.8	49.8	74.6
127	8.3	6.4	9.6





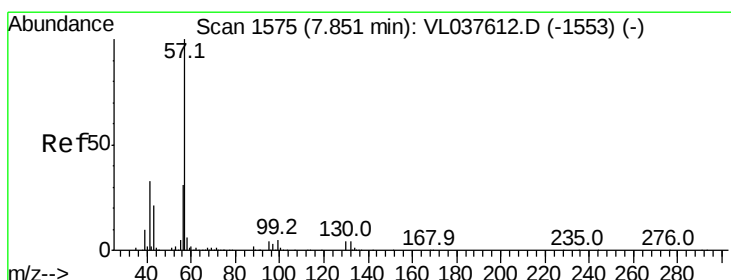
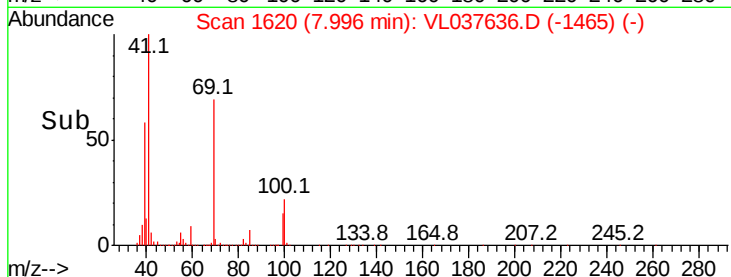
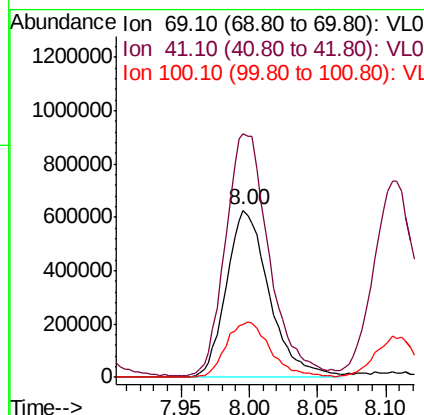
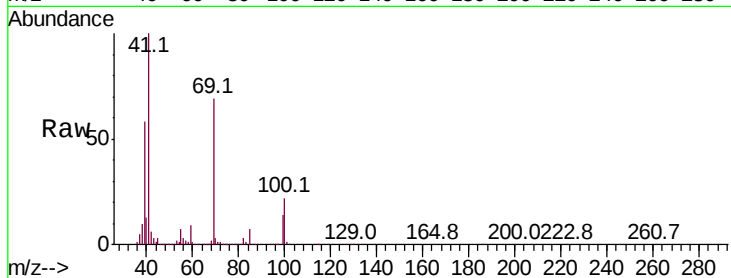
#43
Methvl Methacrilate
Concen: 10.858 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1355043
Ion Ratio Lower Upper
69 100
41 151.1 119.0 178.4
100 34.6 27.6 41.4

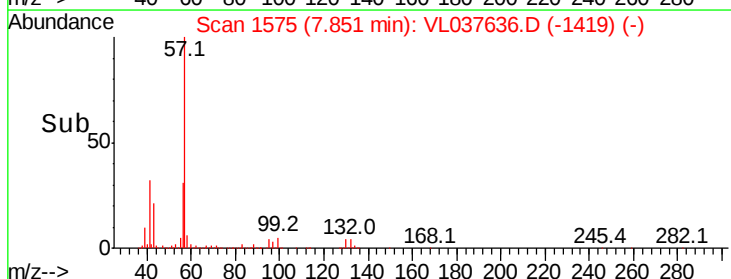
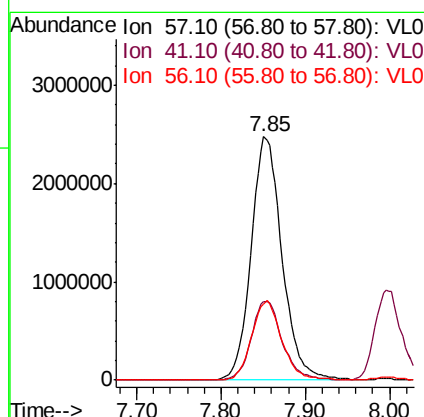
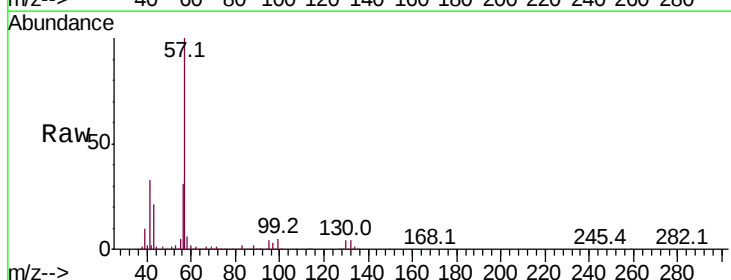
Manual Integrations
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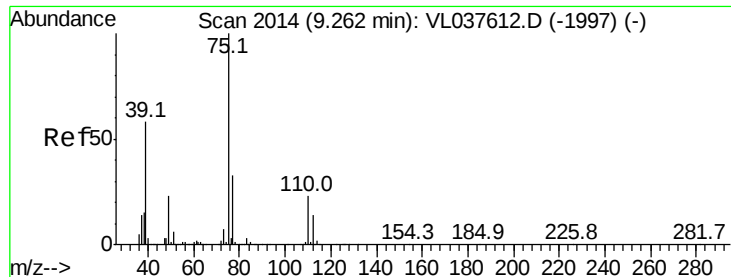
MMDadoda
9/20/2021 5:27:45 PM



#44
2,2,4-Trimethylpentane
Concen: 9.991 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 57 Resp: 6300812
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 31.9 25.7 38.5





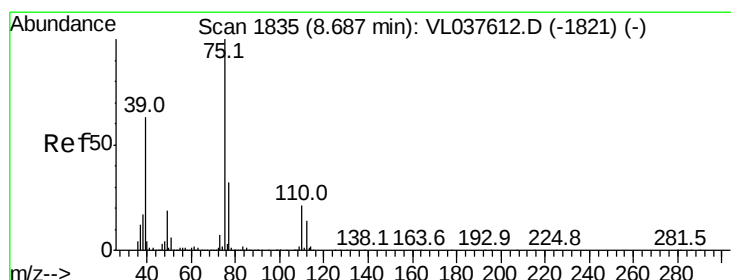
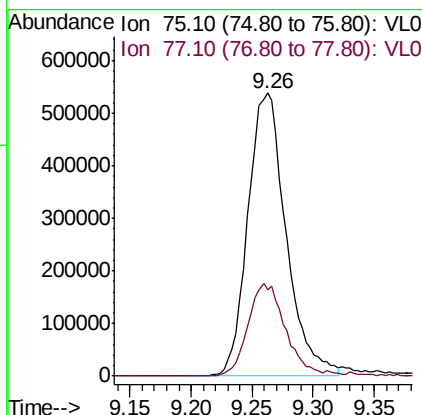
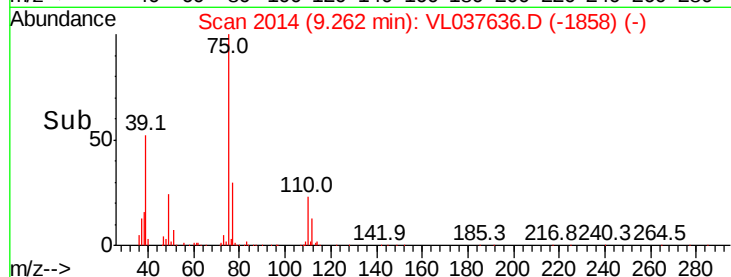
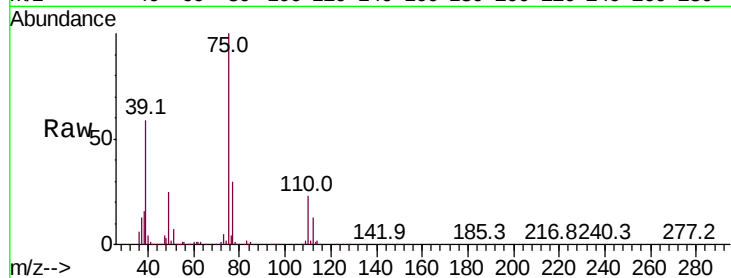
#45
t-1,3-Dichloropropene
Concen: 11.832 ppbv
RT: 9.26 min Scan# 2014
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 75 Resp: 1159819
Ion Ratio Lower Upper
75 100
77 30.3 26.3 39.5

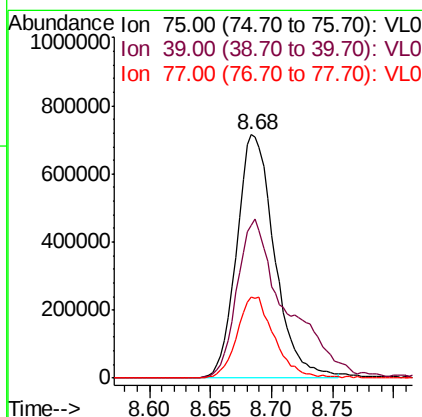
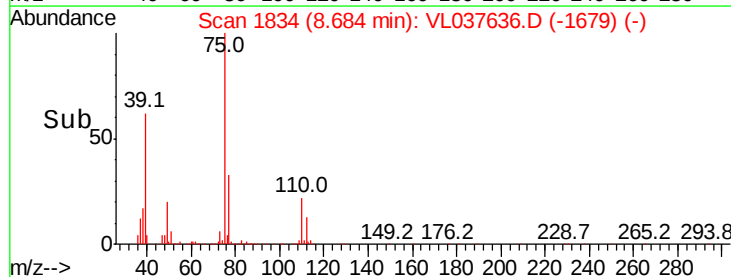
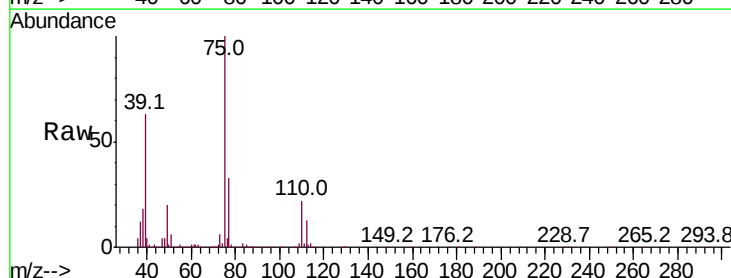
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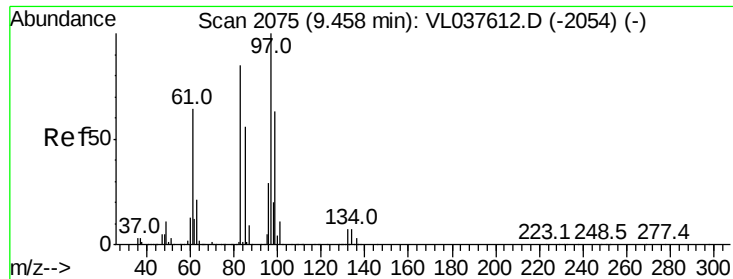
MMDadoda
9/20/2021 5:27:45 PM



#46
cis-1,3-Dichloropropene
Concen: 11.590 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 75 Resp: 1534647
Ion Ratio Lower Upper
75 100
39 62.5 50.2 75.4
77 33.3 25.2 37.8





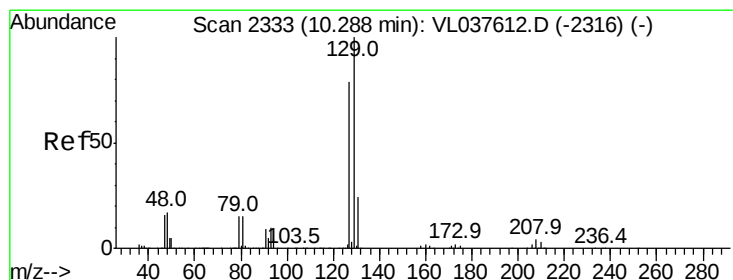
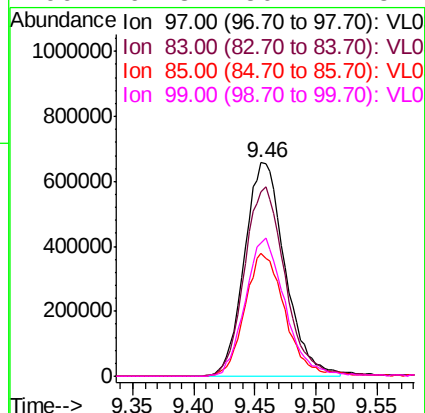
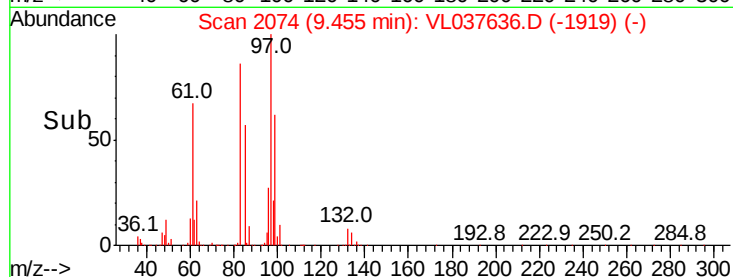
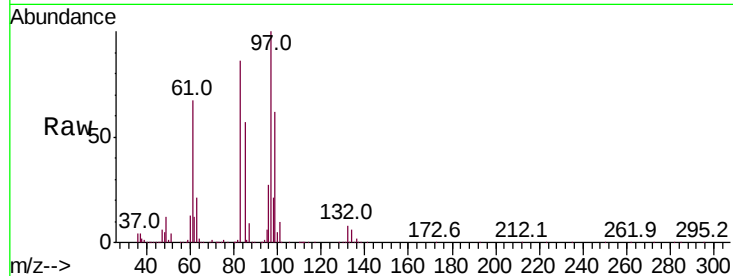
#47
 1,1,2-Trichloroethane
 Concen: 9.501 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	86.5	67.9	101.9	
85	57.4	44.8	67.2	
99	62.3	50.1	75.1	

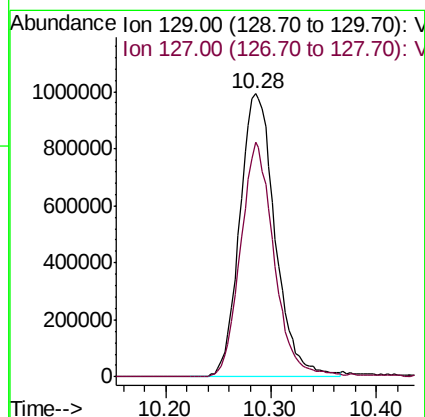
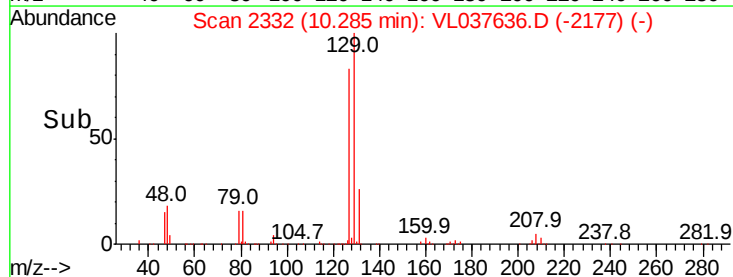
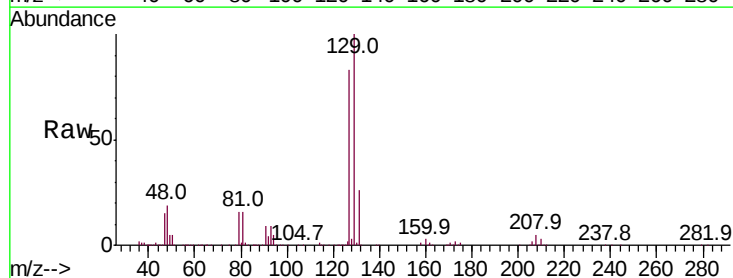
Manual Integrations
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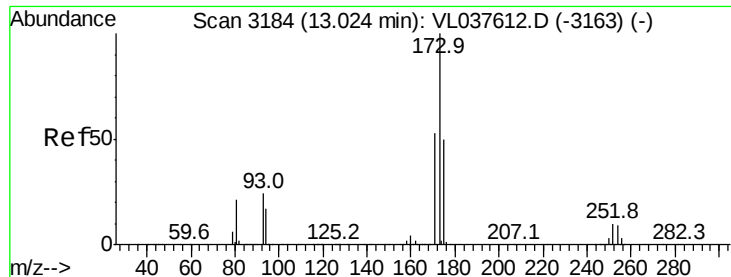
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.445 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	79.4	39.3	117.8	





#49

Bromoform

Concen: 9.907 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1758009

Ion Ratio Lower Upper

173 100

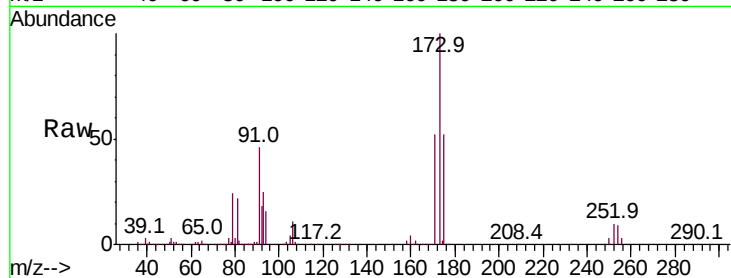
175 53.7 39.8 59.8

171 56.5 42.2 63.4

Manual Integrations
APPROVED

MMDadoda

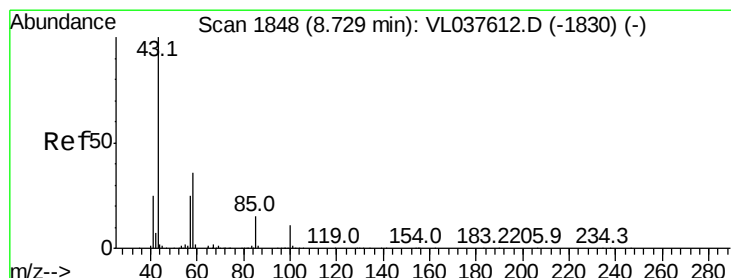
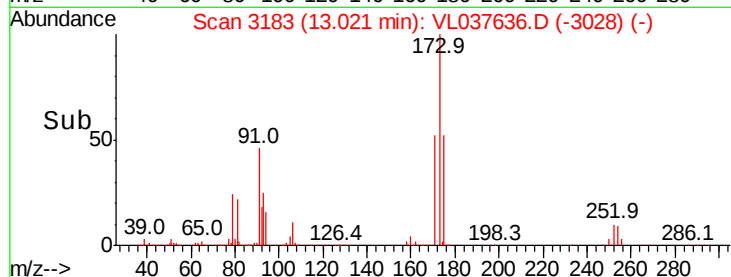
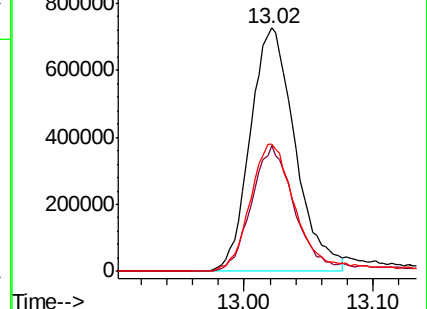
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.329 ppbv

RT: 8.72 min Scan# 1846

Delta R.T. -0.01 min

Lab File: VL037636.D

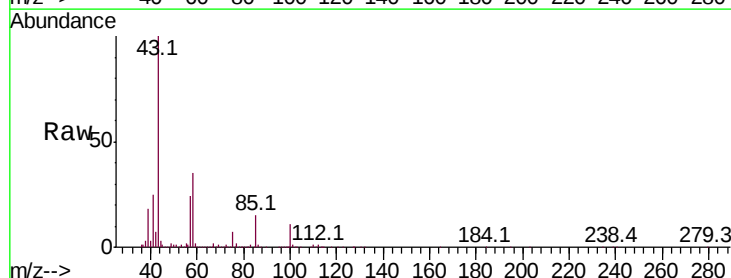
Acq: 17 Sep 2021 4:31

Tgt Ion: 43 Resp: 2396575

Ion Ratio Lower Upper

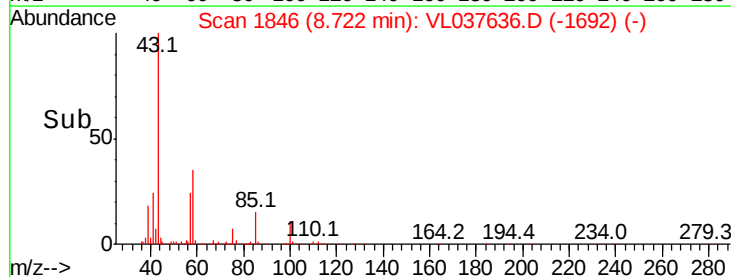
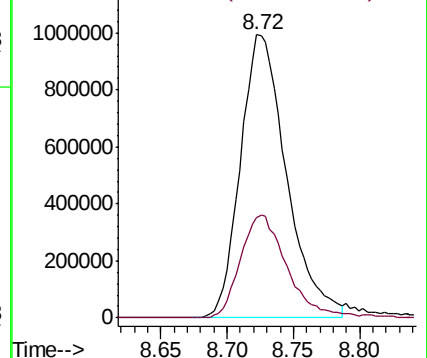
43 100

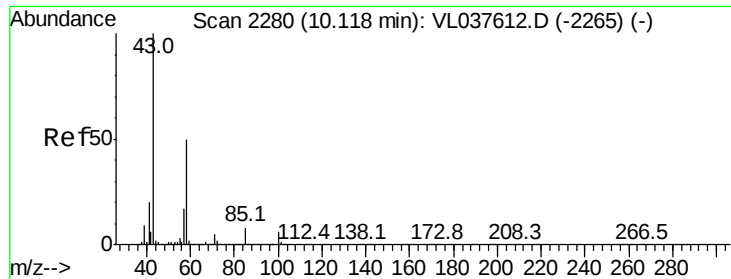
58 37.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





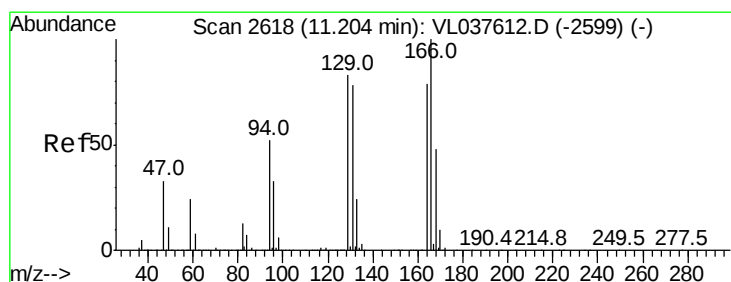
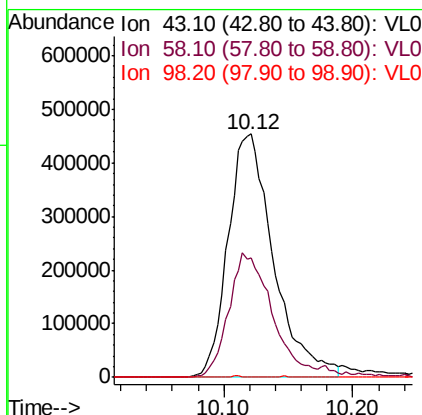
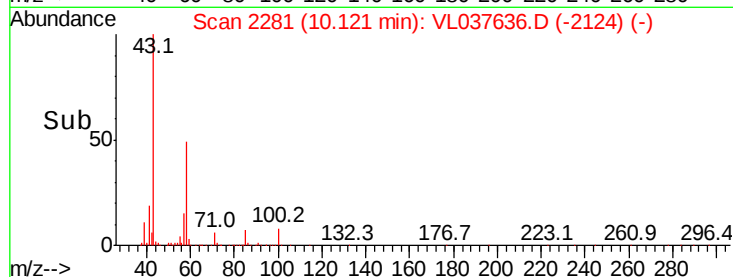
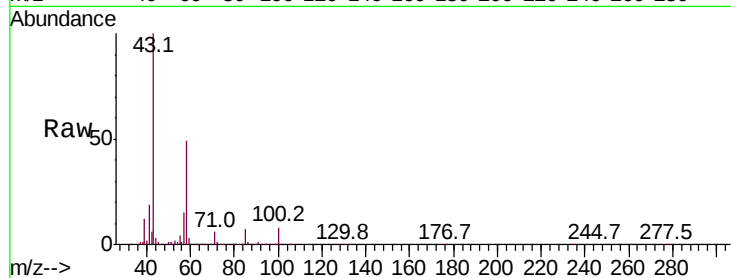
#51
2-Hexanone
Concen: 10.819 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1107619
Ion Ratio Lower Upper
43 100
58 51.6 39.3 58.9
98 0.4 0.4 0.6

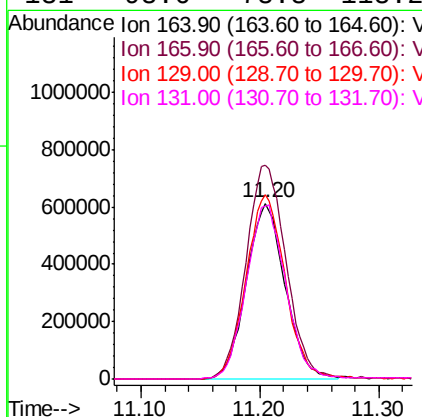
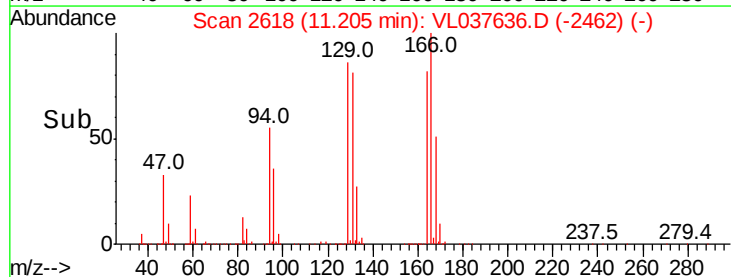
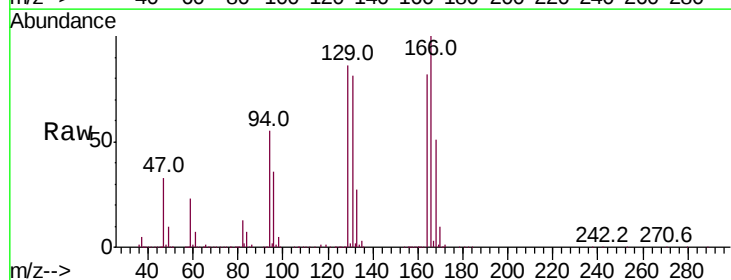
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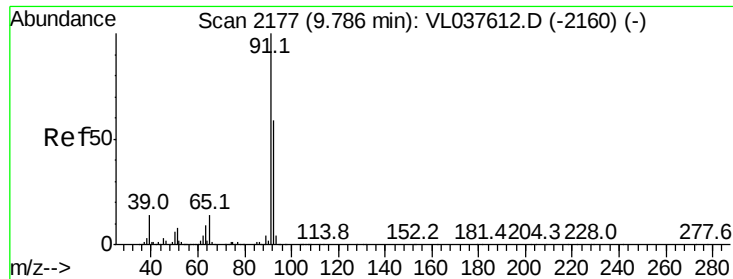
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#52
Tetrachloroethene
Concen: 9.587 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 164 Resp: 1380647
Ion Ratio Lower Upper
164 100
166 121.7 101.2 151.8
129 105.3 84.0 126.0
131 98.6 78.8 118.2





#53

Toluene

Concen: 10.302 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4295471

Ion Ratio Lower Upper

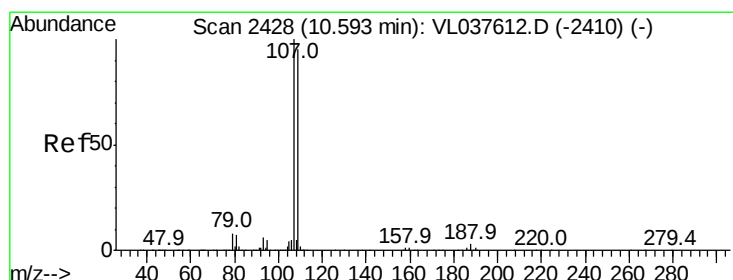
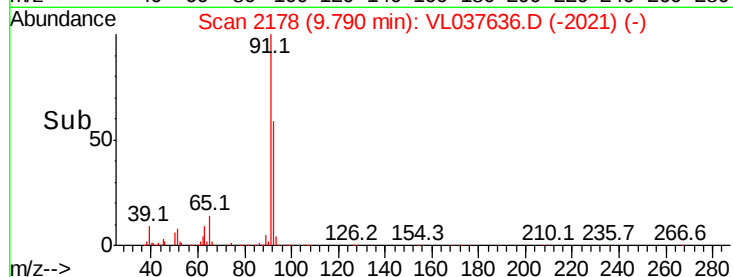
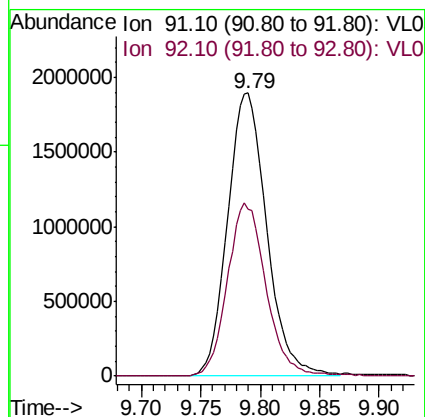
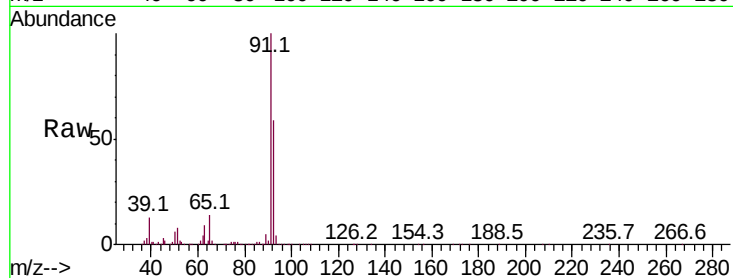
91 100

92 60.8 48.9 73.3

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.821 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037636.D

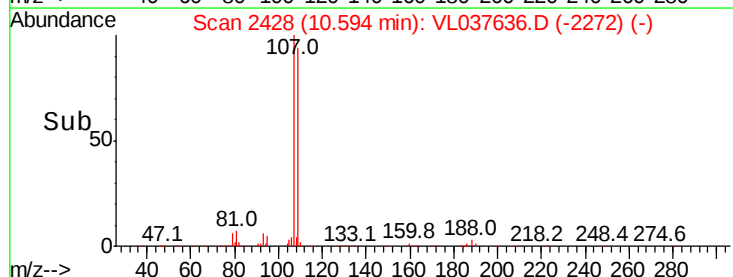
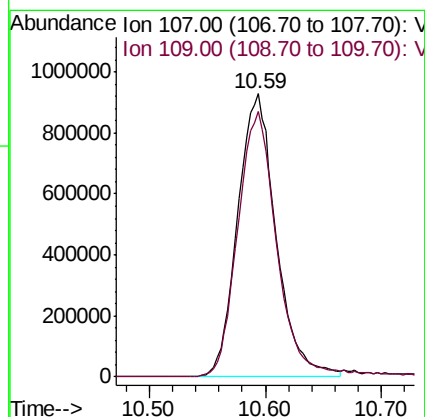
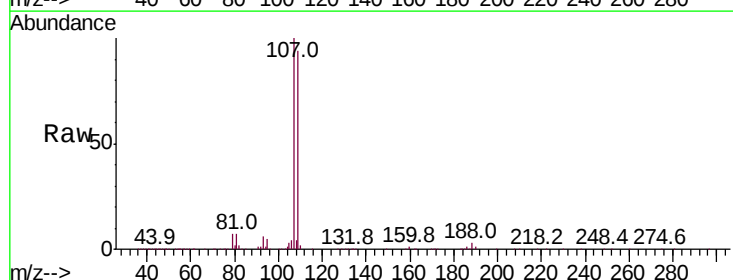
Acq: 17 Sep 2021 4:31

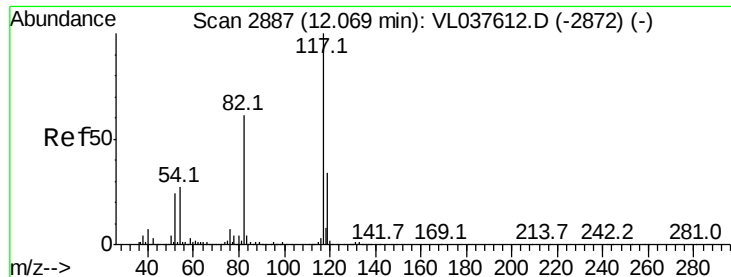
Tgt Ion: 107 Resp: 2137249

Ion Ratio Lower Upper

107 100

109 94.0 76.0 114.0





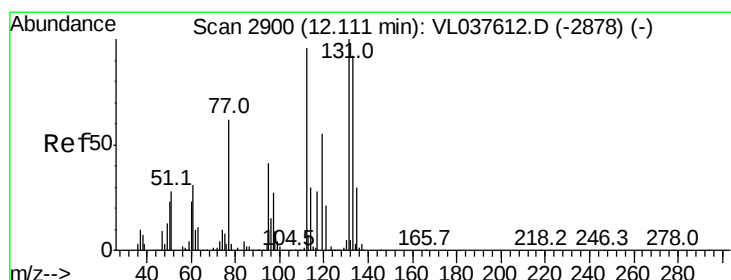
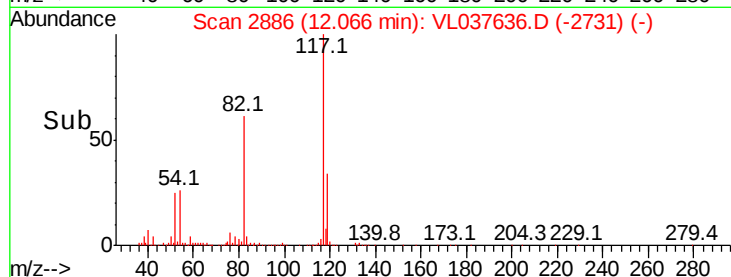
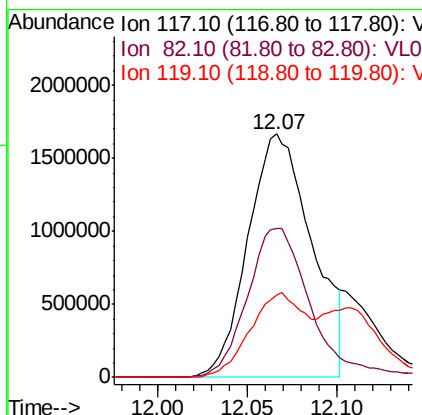
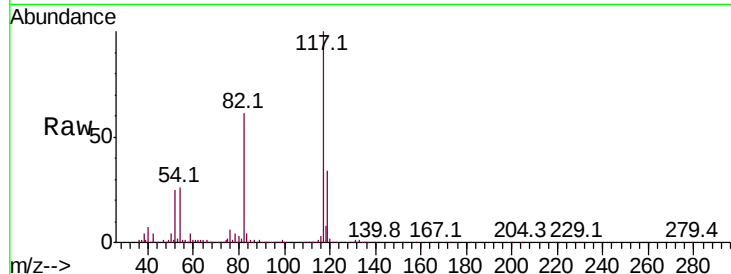
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4157368
Ion Ratio Lower Upper
117 100
82 62.0 50.6 75.8
119 29.1 26.2 39.2

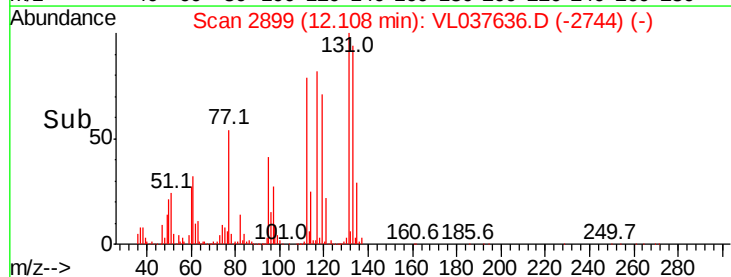
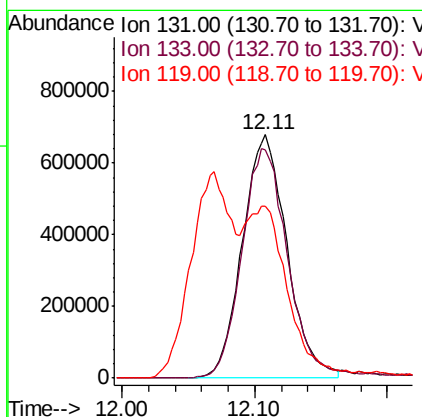
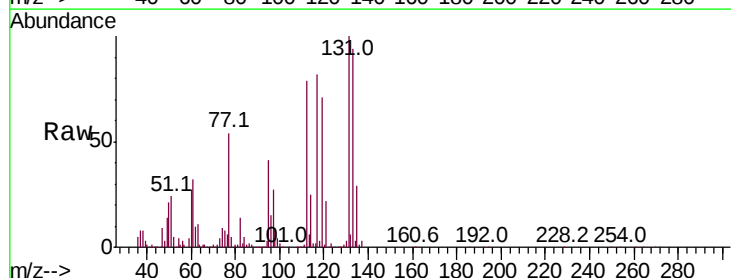
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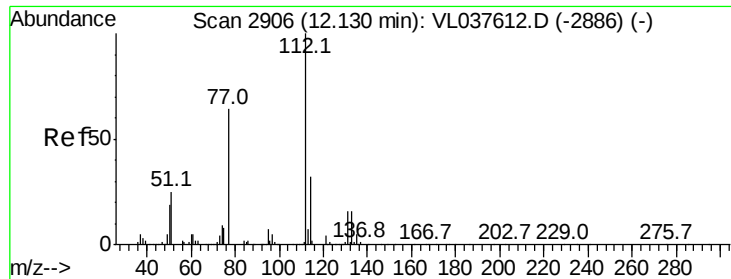
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.175 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion:131 Resp: 1582114
Ion Ratio Lower Upper
131 100
133 100.8 76.8 115.2
119 152.4 47.8 71.8#





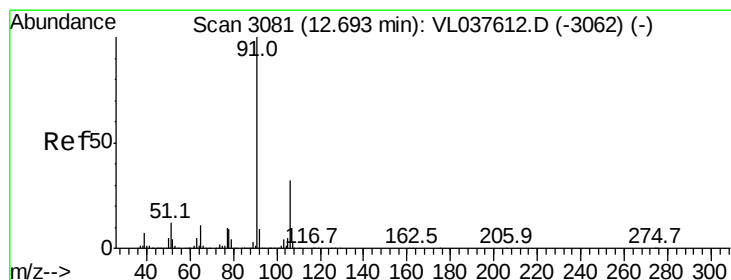
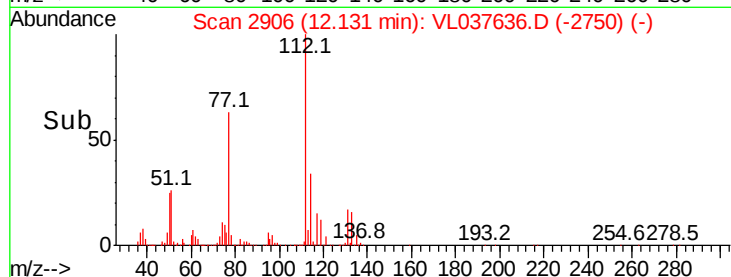
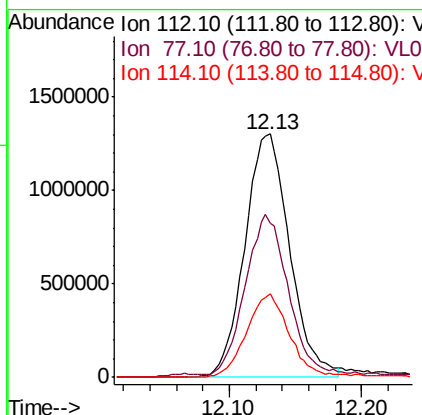
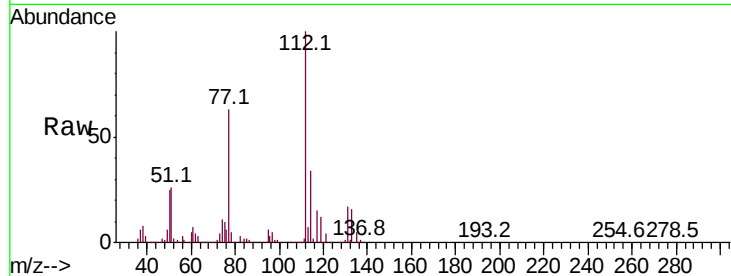
#57
Chlorobenzene
Concen: 8.835 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
77	62.0	52.1	78.1
114	34.1	29.2	35.6

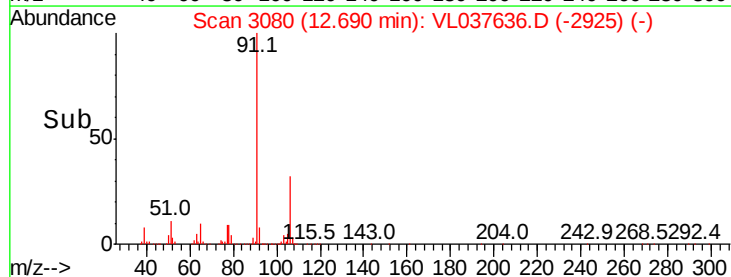
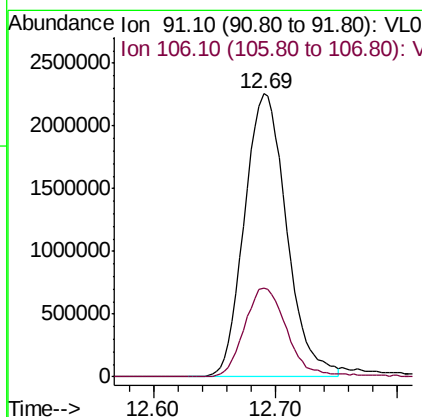
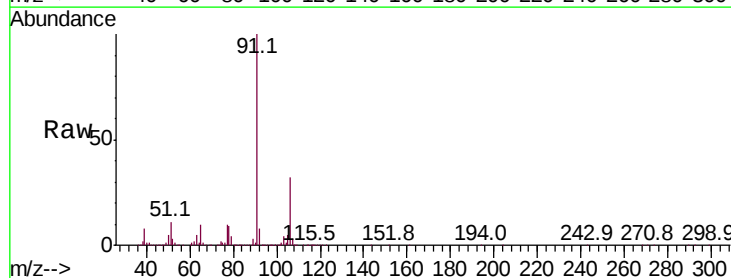
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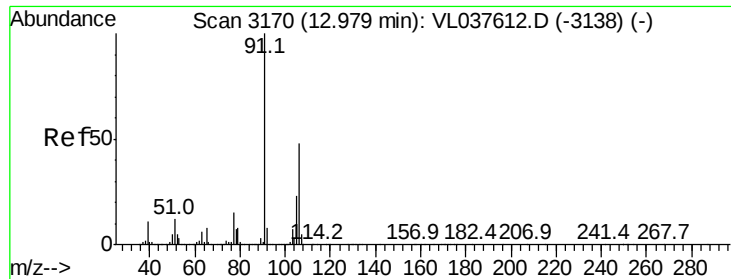
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#58
Ethyl Benzene
Concen: 9.791 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.6	25.3	37.9





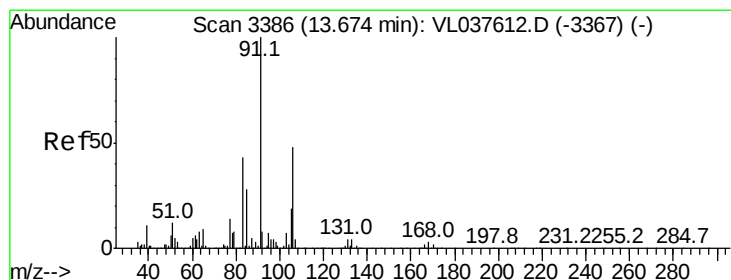
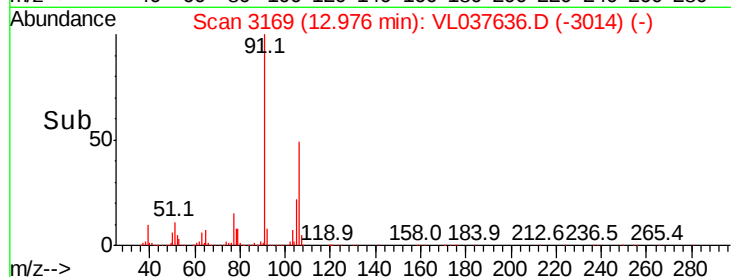
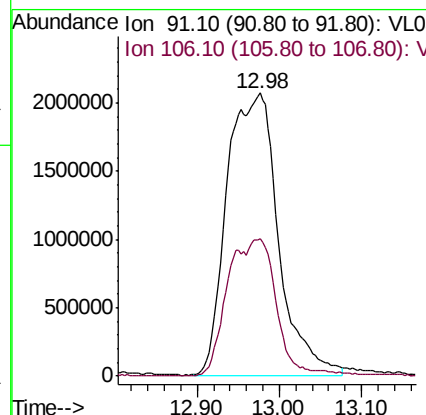
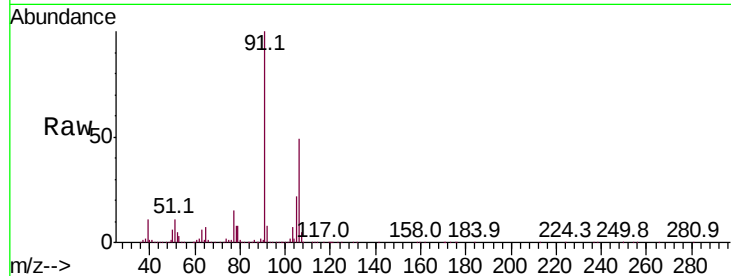
#59
m/p-Xylene
Concen: 18.808 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9045204
Ion Ratio Lower Upper
91 100
106 46.7 36.6 55.0

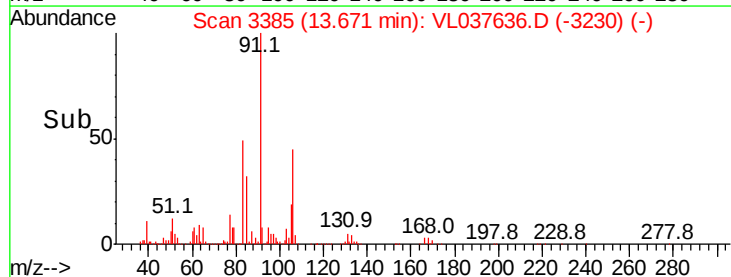
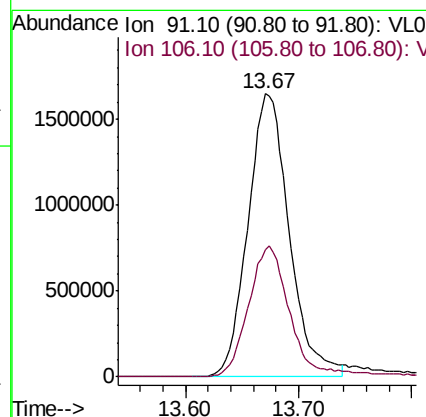
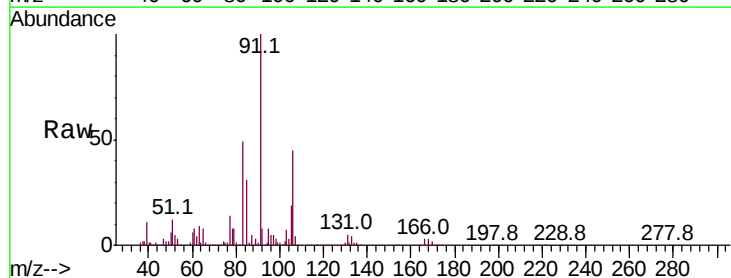
Manual Integrations
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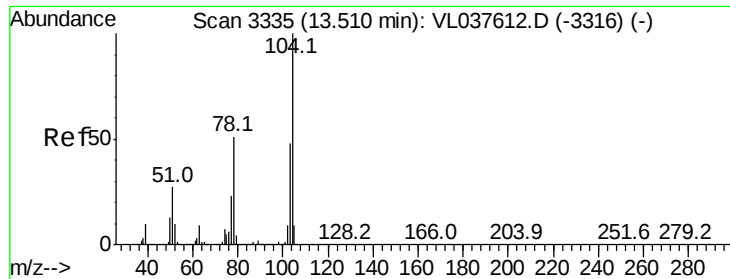
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#60
o-Xylene
Concen: 9.125 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion: 91 Resp: 4176861
Ion Ratio Lower Upper
91 100
106 47.5 23.0 69.0





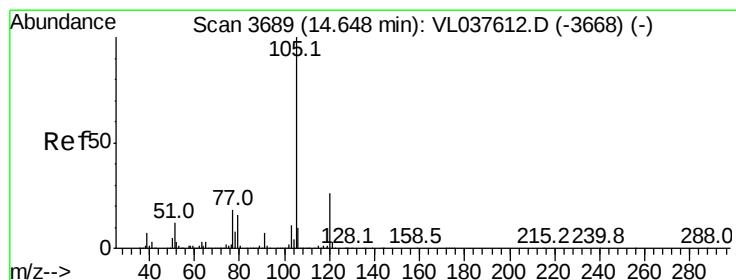
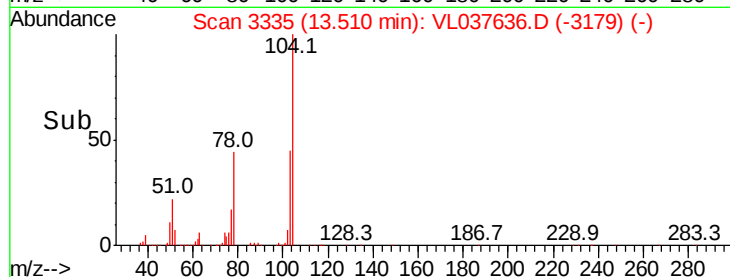
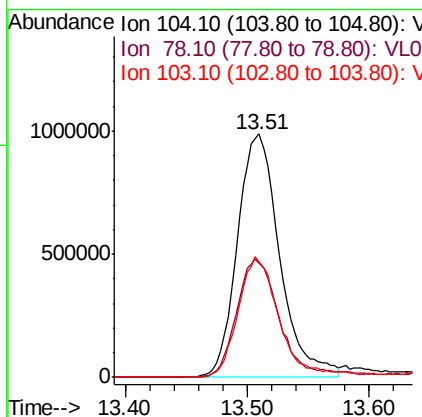
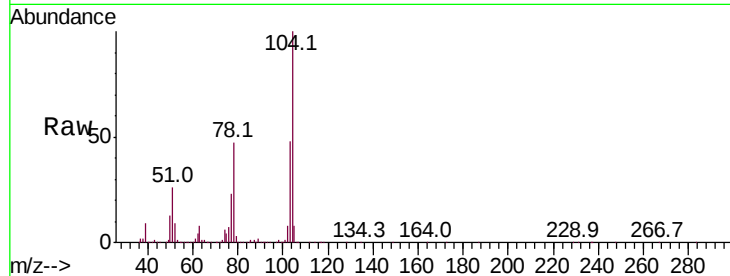
#61
Stvrene
Concen: 10.463 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.6	39.7	59.5
103	49.4	38.8	58.2

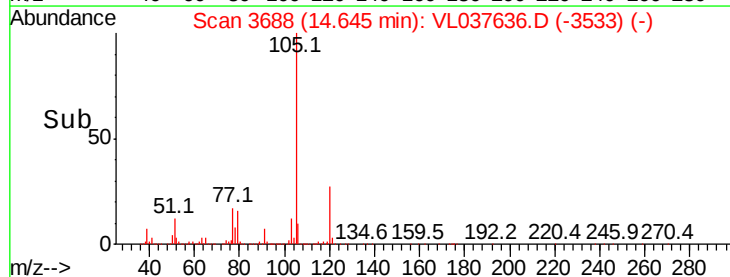
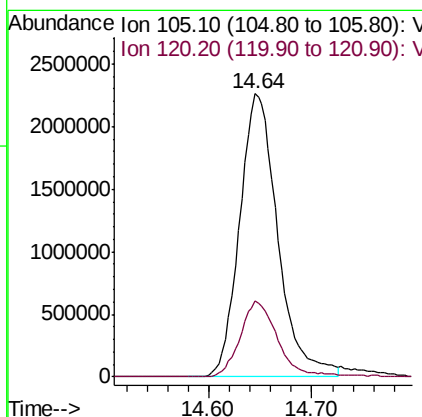
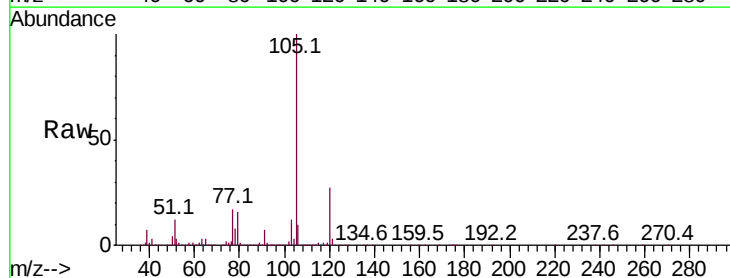
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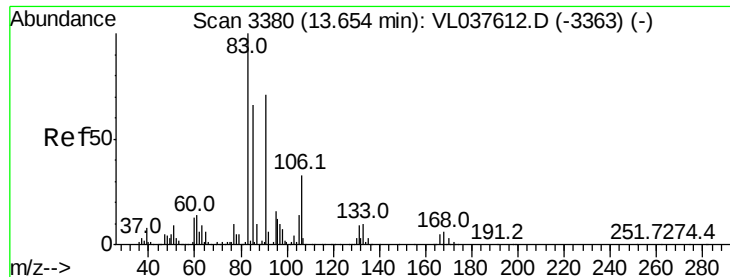
MMDadoda
9/20/2021 5:27:45 PM



#62
Isopropylbenzene
Concen: 9.102 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	21.4	32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 8.156 ppbv

RT: 13.66 min Scan# 3381

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 2921776

Ion Ratio Lower Upper

83 100

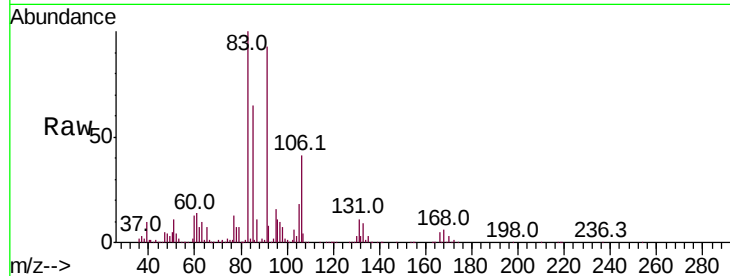
131 10.1 5.1 15.3

85 67.8 33.3 99.9

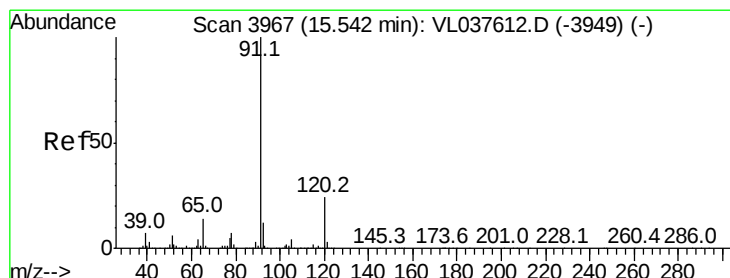
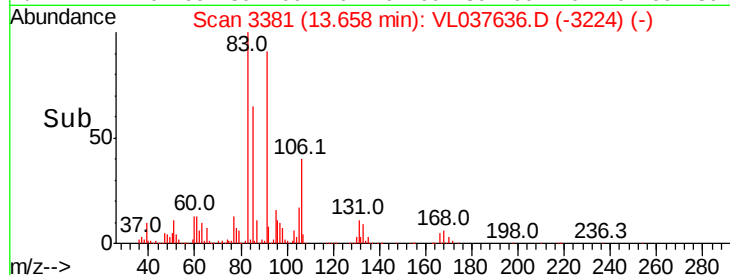
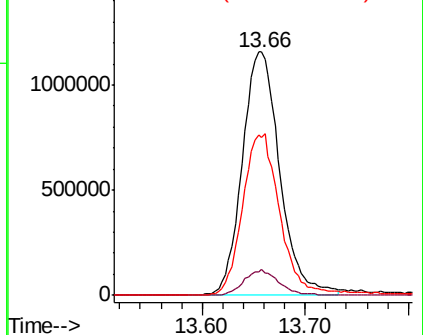
Manual Integrations
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9/20/2021 5:27:45 PM



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 9.202 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. 0.00 min

Lab File: VL037636.D

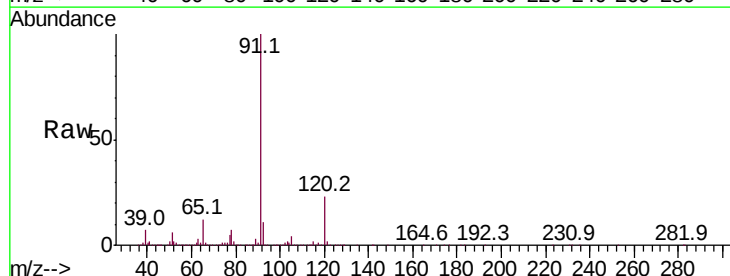
Acq: 17 Sep 2021 4:31

Tgt Ion: 120 Resp: 1518479

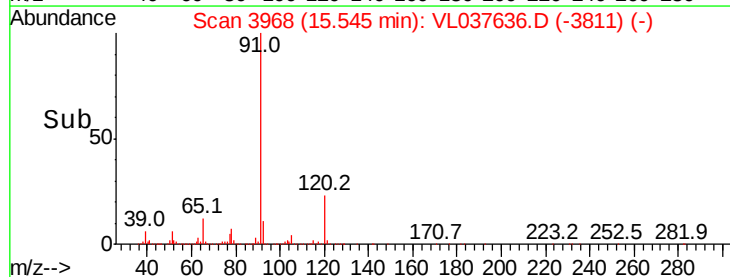
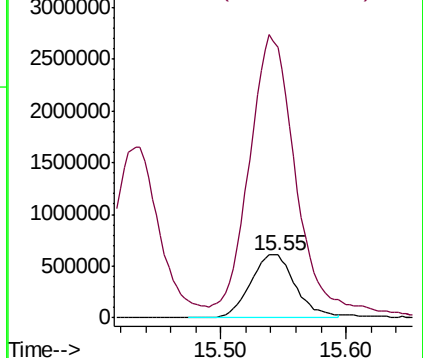
Ion Ratio Lower Upper

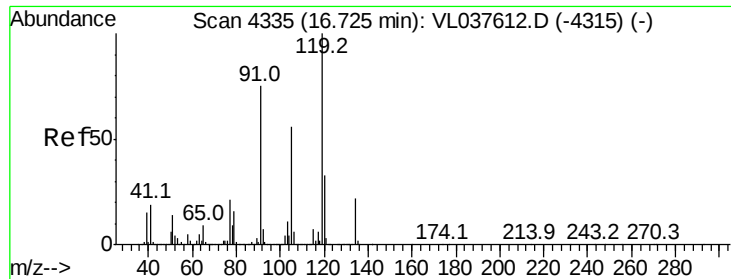
120 100

91 477.3 345.0 517.4



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





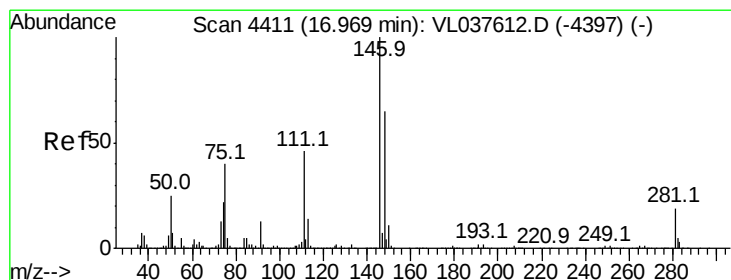
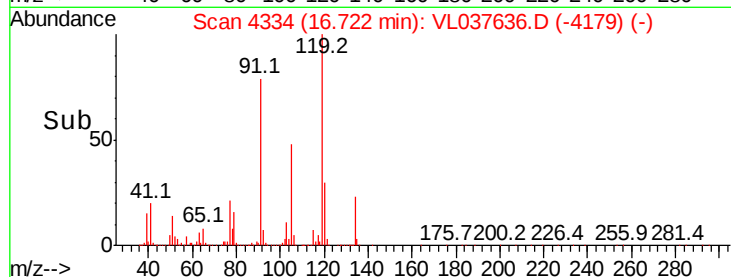
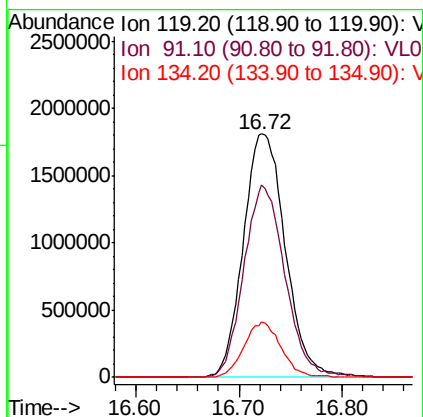
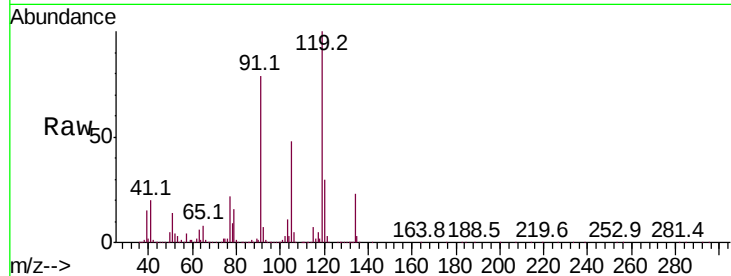
#65
tert-Butylbenzene
Concen: 8.846 ppbv
RT: 16.72 min Scan# 4334
Delta R.T. -0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.8	61.9	92.9
134	20.5	16.5	24.7

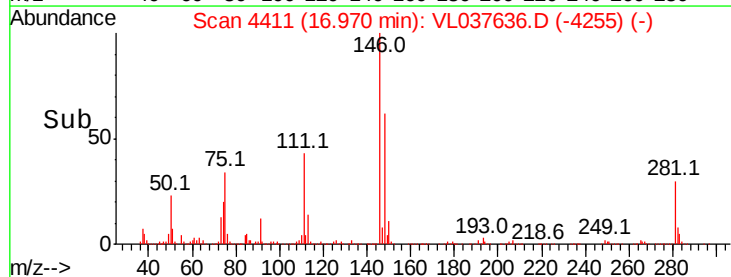
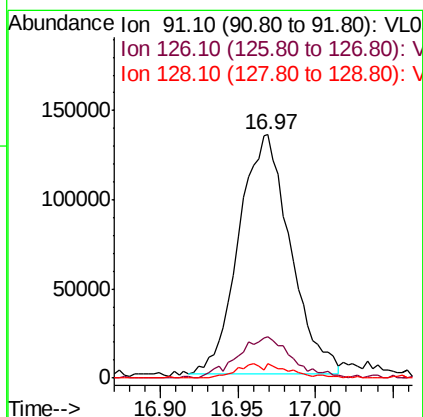
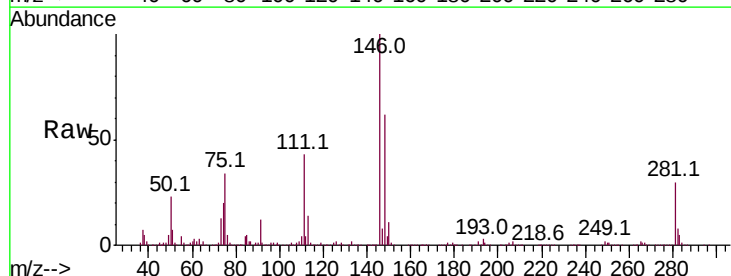
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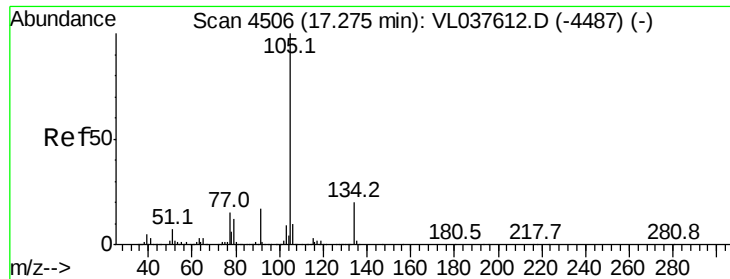
MMDadoda
9/20/2021 5:27:45 PM



#66
Benzyl Chloride
Concen: 9.821 ppbv
RT: 16.97 min Scan# 4411
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.9	14.4	21.6
128	6.5	5.7	8.5





#67

sec-Butylbenzene

Concen: 9.119 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 7132879

Ion Ratio Lower Upper

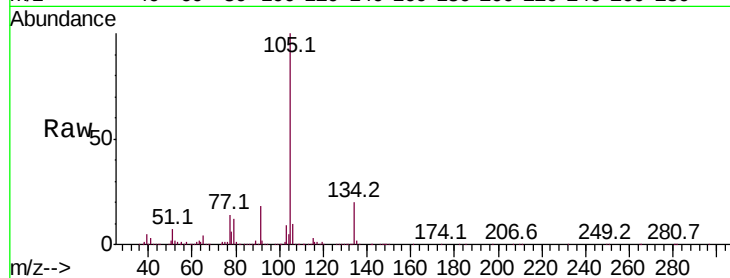
105 100

134 19.1 15.7 23.5

Manual Integrations
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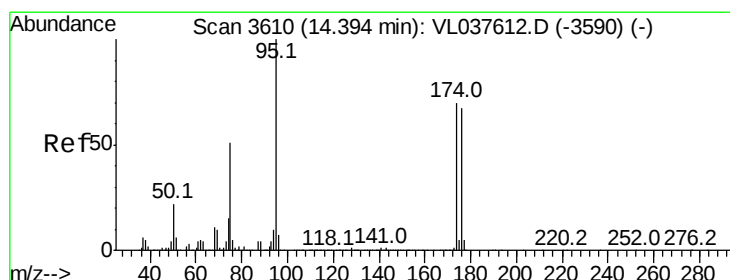
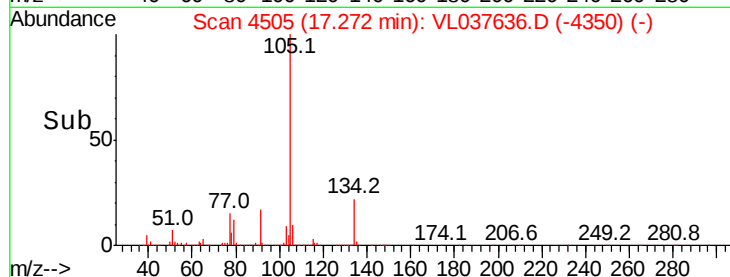
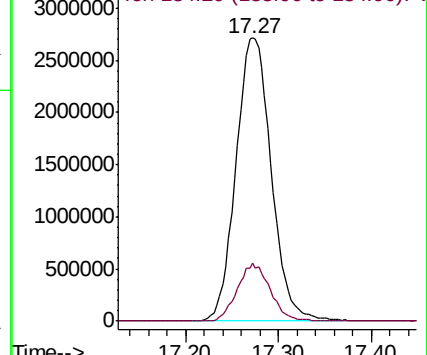
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.579 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

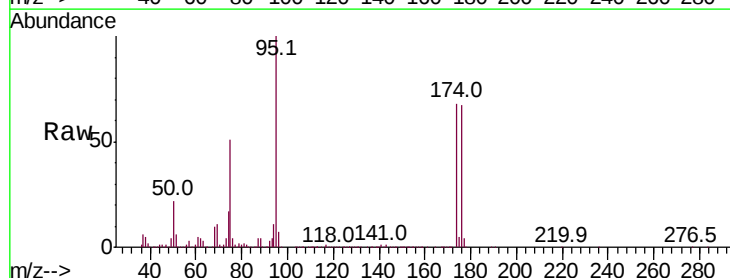
Tgt Ion: 95 Resp: 2878018

Ion Ratio Lower Upper

95 100

174 76.1 56.3 84.5

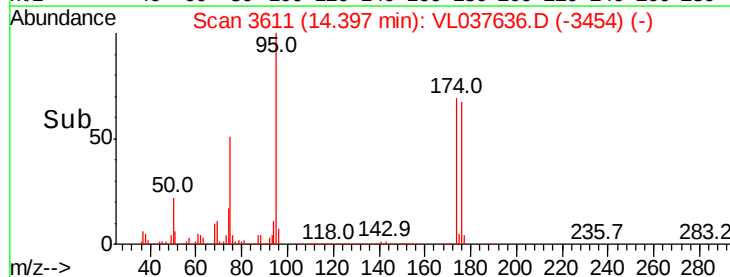
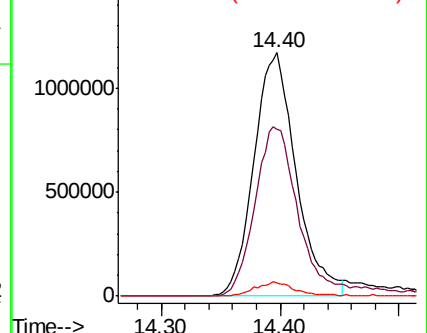
175 5.6 4.4 6.6

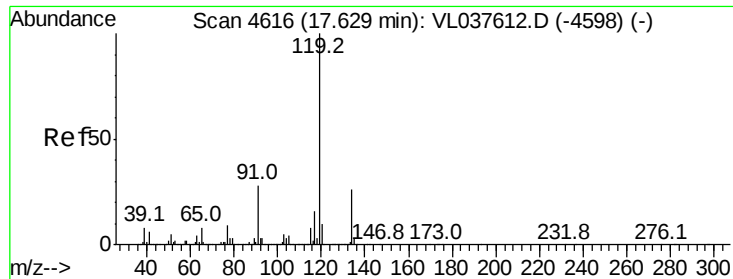


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





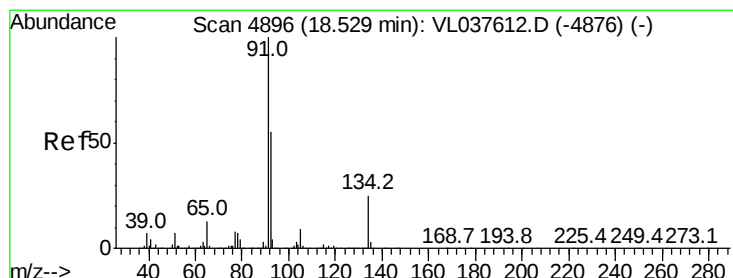
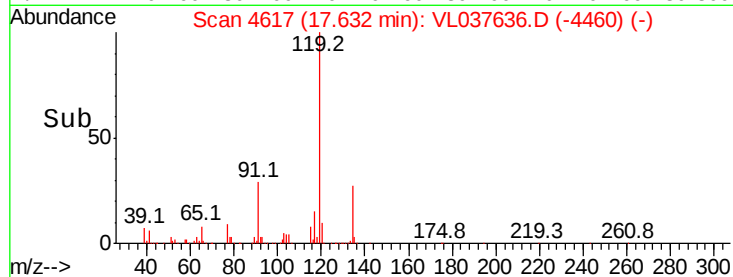
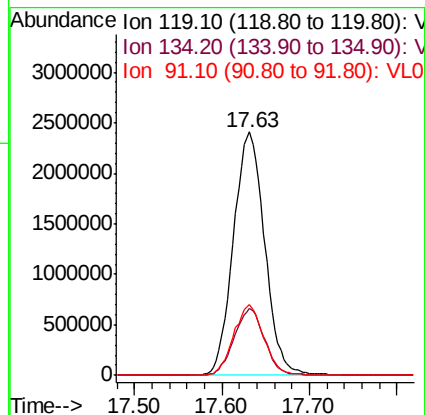
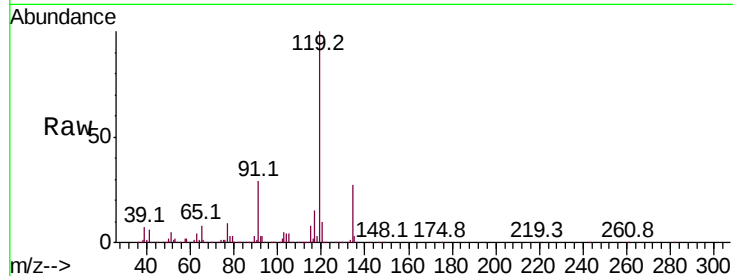
#69
 p-Isopropyltoluene
 Concen: 9.342 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.8	21.2	31.8
91	27.9	22.2	33.2

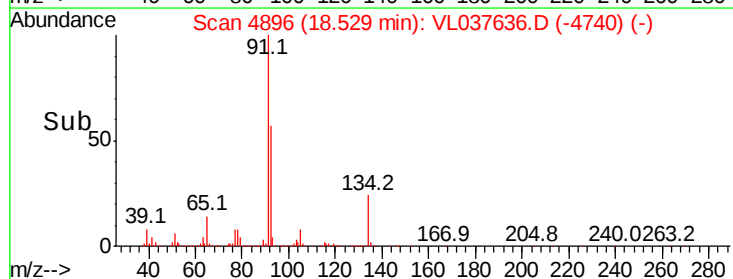
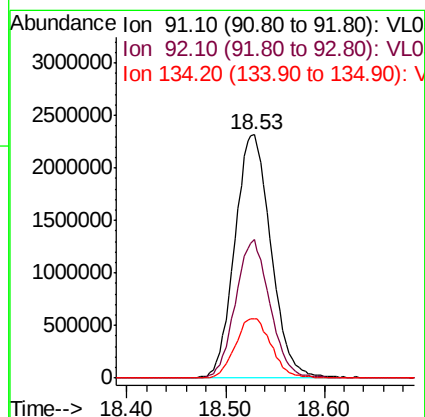
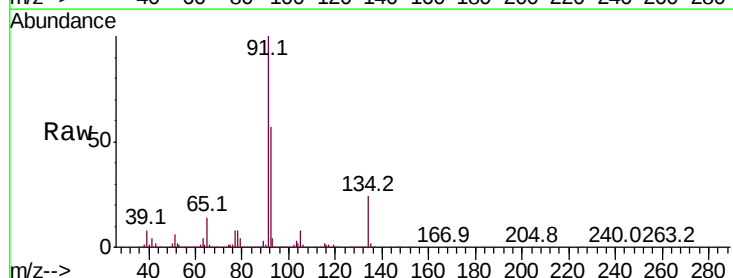
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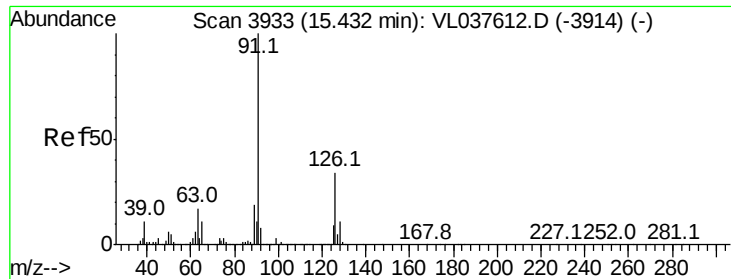
MMDadoda
 9/20/2021 5:27:45 PM



#70
 n-Butylbenzene
 Concen: 9.691 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. 0.00 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.5	44.0	66.0
134	24.5	19.5	29.3





#71

2-Chlorotoluene

Concen: 9.206 ppbv

RT: 15.43 min Scan# 3933

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4218950

Ion Ratio Lower Upper

91 100

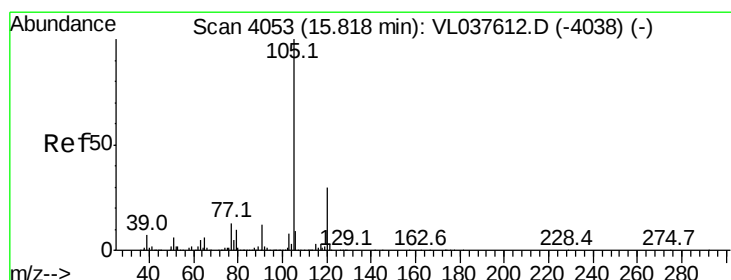
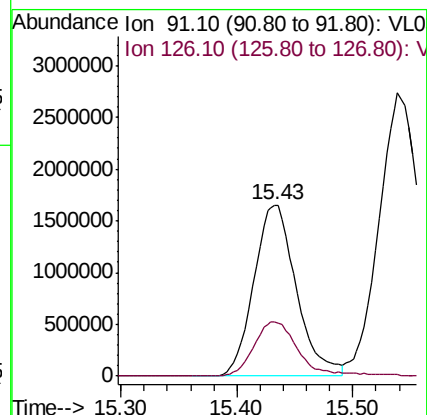
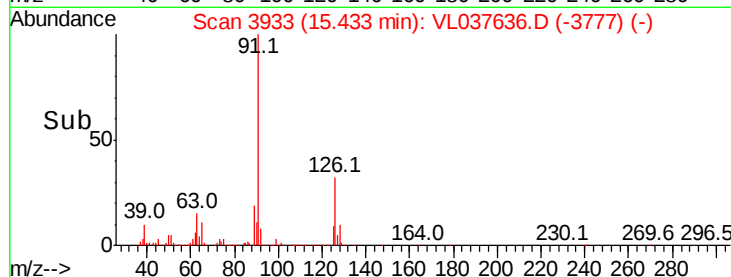
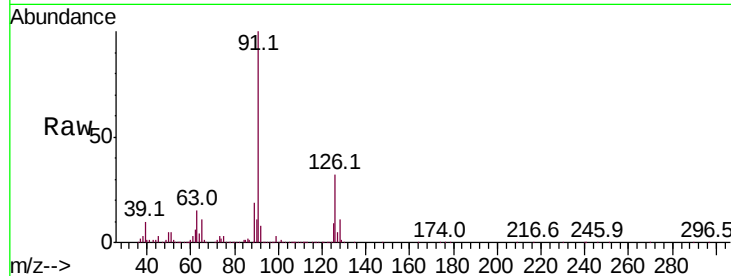
126 33.8 13.2 52.8

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#72

4-Ethyltoluene

Concen: 9.518 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion:105 Resp: 5001451

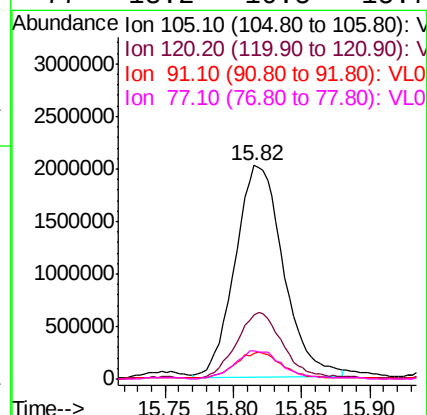
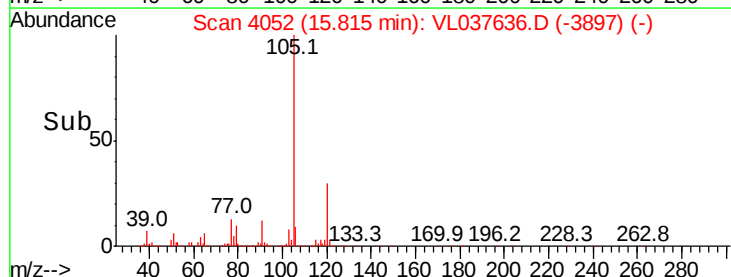
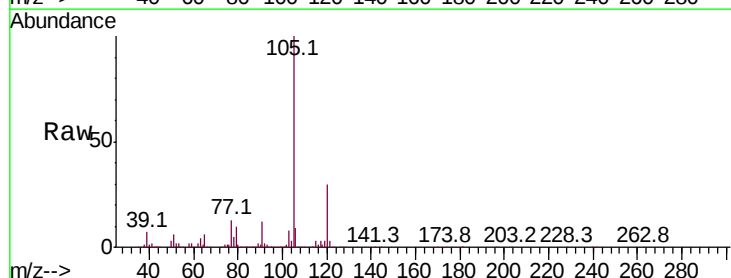
Ion Ratio Lower Upper

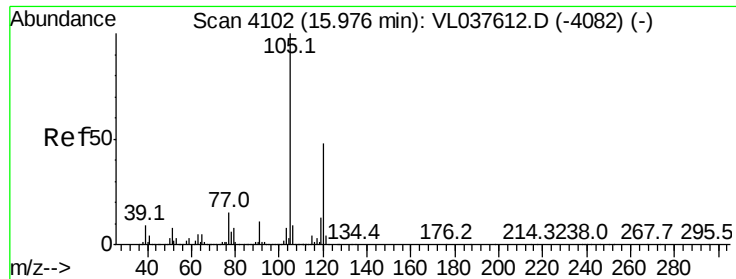
105 100

120 31.0 24.7 37.1

91 12.3 9.9 14.9

77 13.2 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 9.083 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4448514

Ion Ratio Lower Upper

105 100

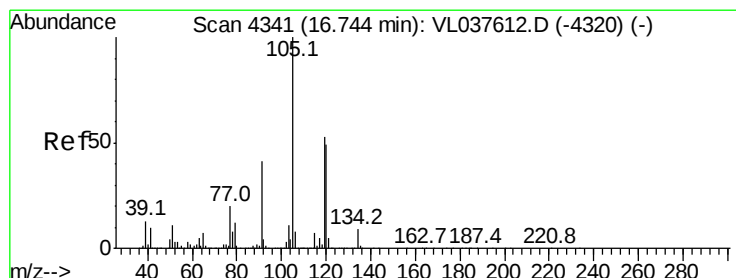
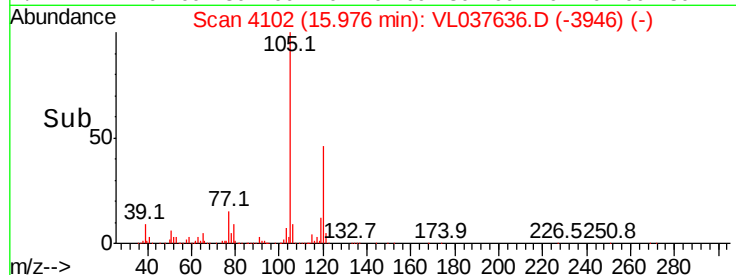
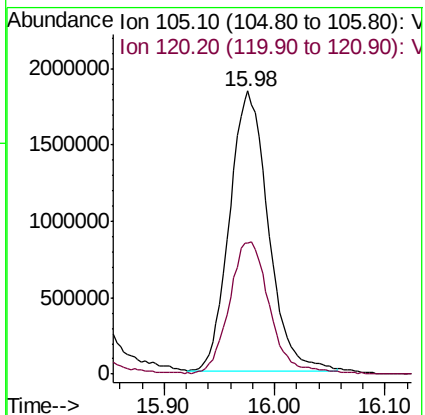
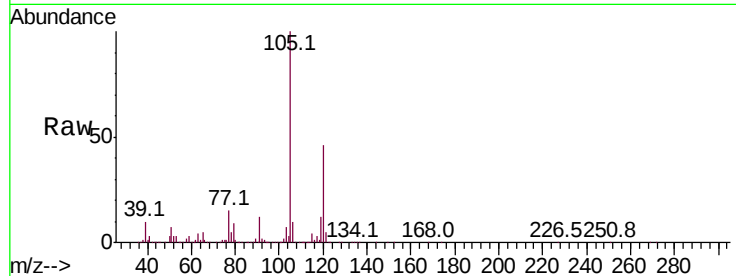
120 46.3 38.3 57.5

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#74

1,2,4-Trimethylbenzene

Concen: 8.931 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Tgt Ion:105 Resp: 4607489

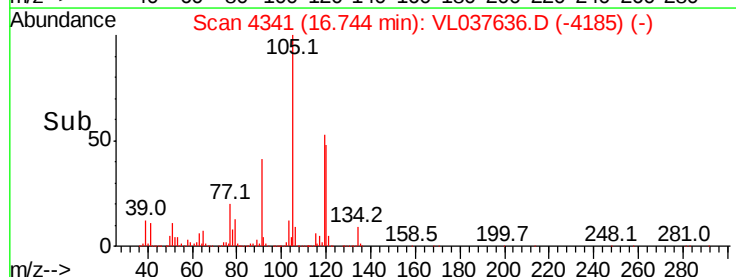
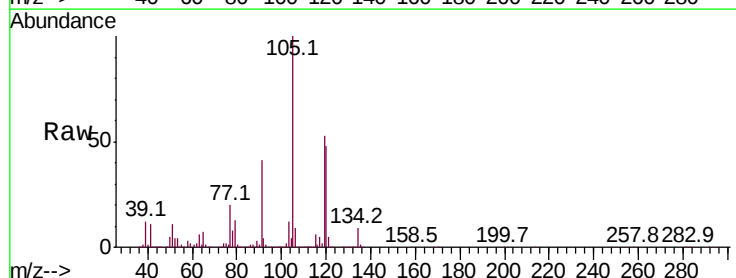
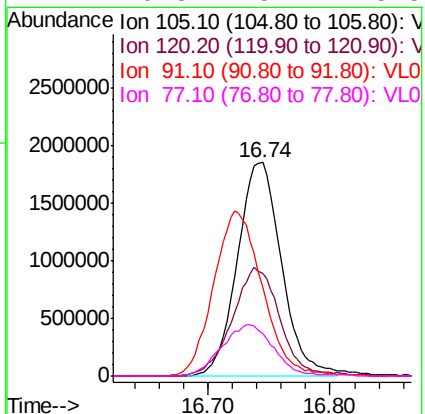
Ion Ratio Lower Upper

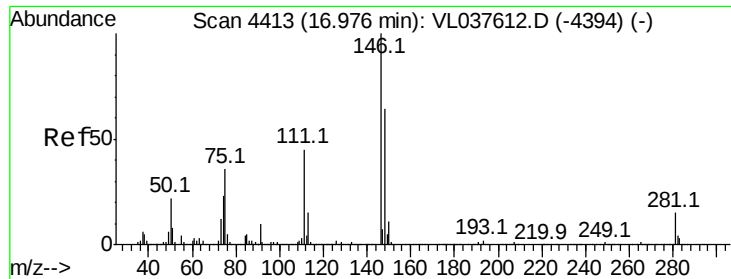
105 100

120 47.0 39.4 59.0

91 40.5 33.3 49.9

77 19.3 15.7 23.5





#75

1,3-Dichlorobenzene

Concen: 8.819 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. -0.01 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2826462

Ion Ratio Lower Upper

146 100

111 44.9 22.8 68.3

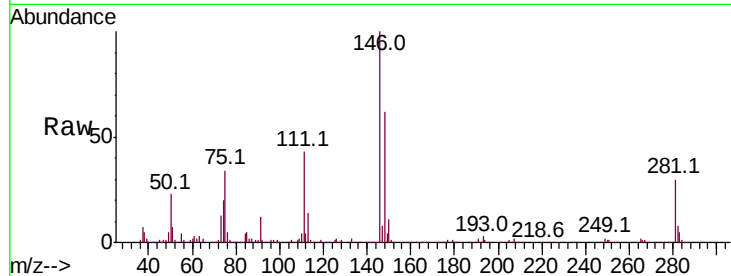
148 64.6 32.1 96.5

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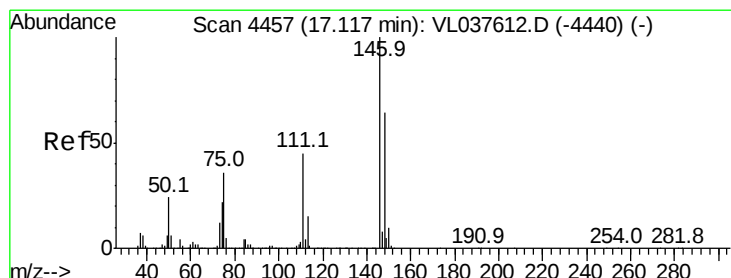
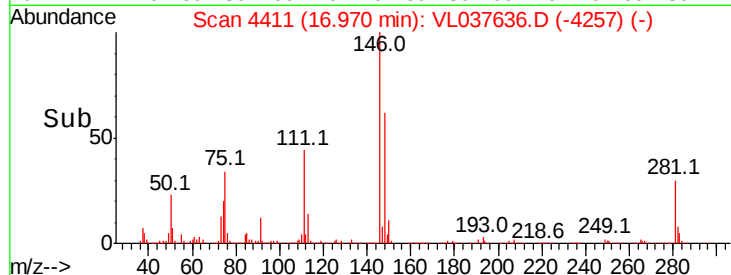
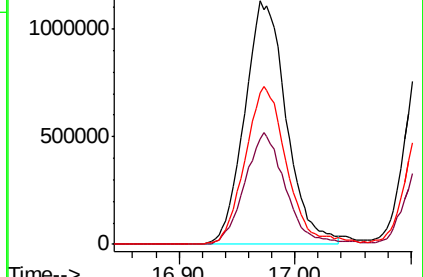
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.797 ppbv

RT: 17.11 min Scan# 4456

Delta R.T. -0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

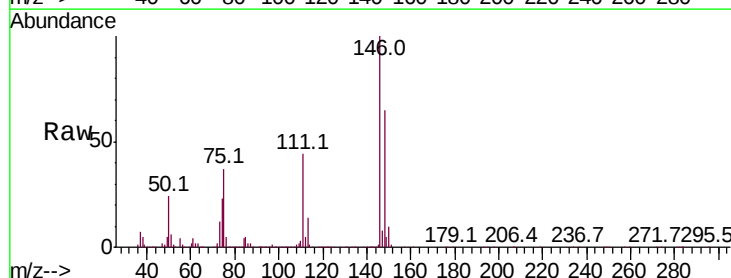
Tgt Ion:146 Resp: 2780889

Ion Ratio Lower Upper

146 100

111 44.9 22.5 67.5

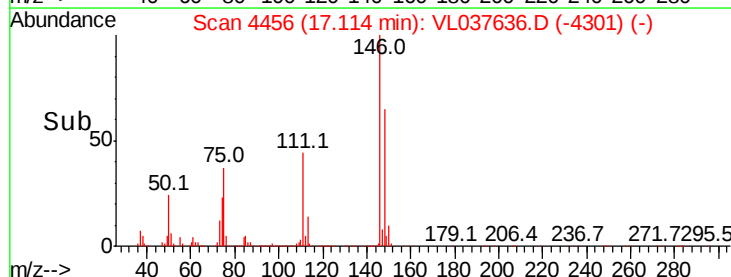
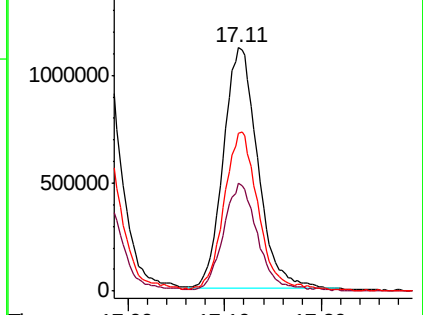
148 65.8 32.9 98.6

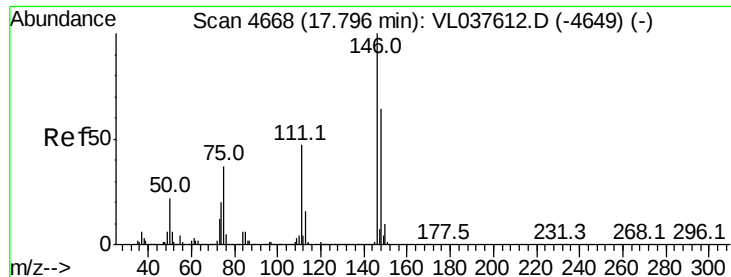


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.961 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037636.D

Acq: 17 Sep 2021 4:31

Instrument :

MSVOA_L

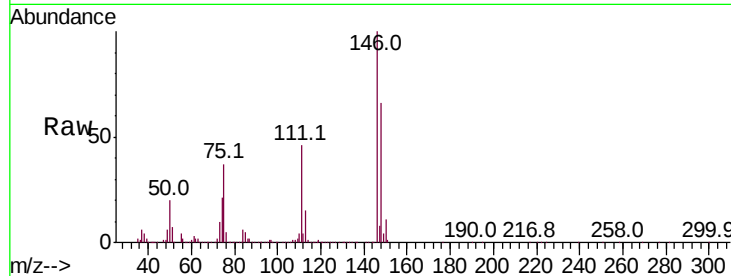
ClientSampleId :

VSTDCCC010EC

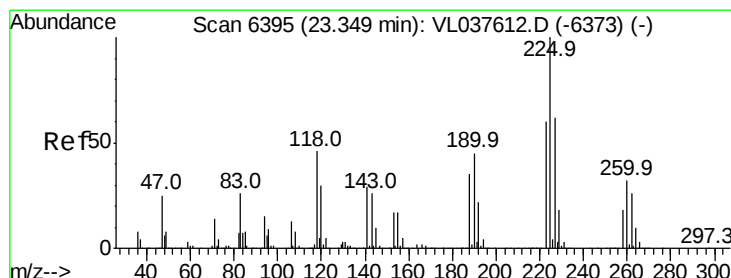
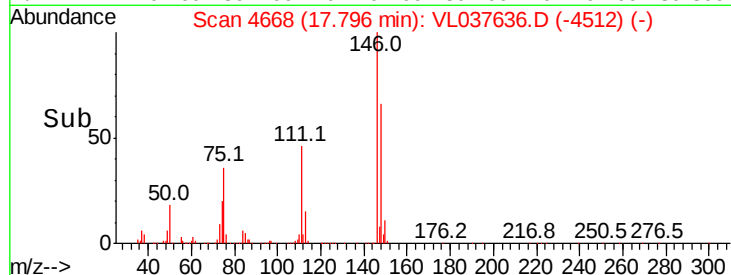
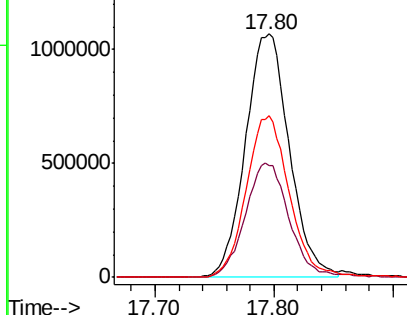
Tot Ion:	146	Resp:	2724011
Ion	Ratio	Lower	Upper
146	100		
111	47.2	24.0	72.0
148	65.4	32.8	98.3

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



#78

Hexachloro-1,3-Butadiene

Concen: 8.702 ppbv

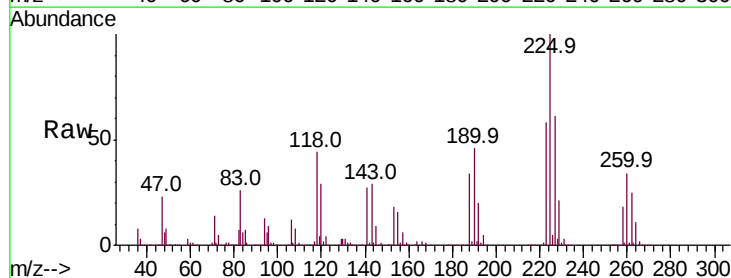
RT: 23.35 min Scan# 6396

Delta R.T. 0.00 min

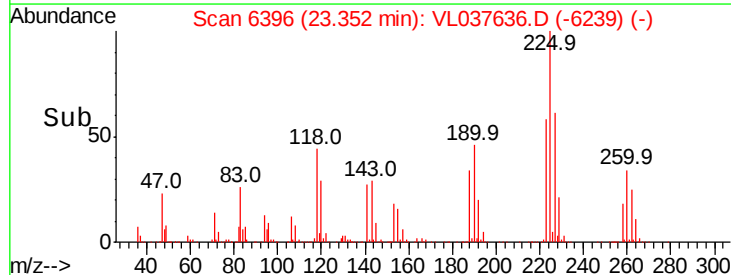
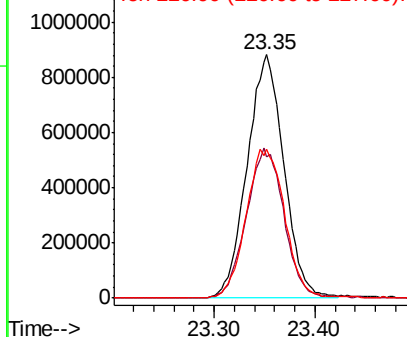
Lab File: VL037636.D

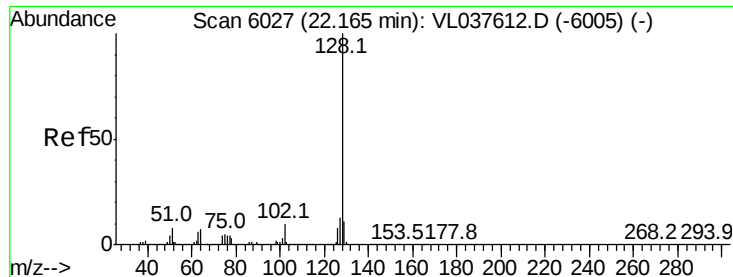
Acq: 17 Sep 2021 4:31

Tgt Ion:	225	Resp:	2226547
Ion	Ratio	Lower	Upper
225	100		
223	63.3	51.1	76.7
227	64.5	52.2	78.4



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





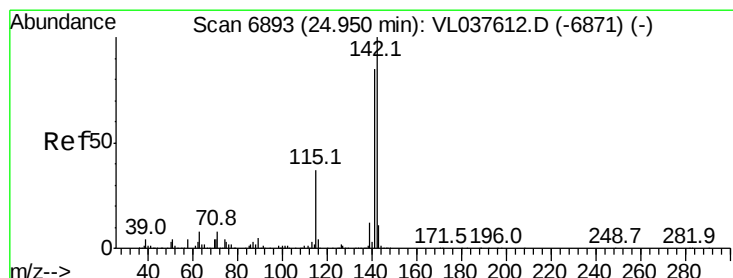
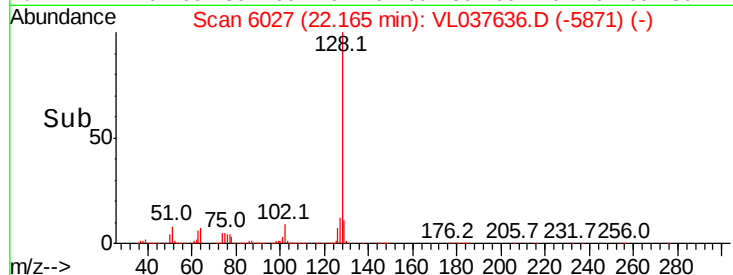
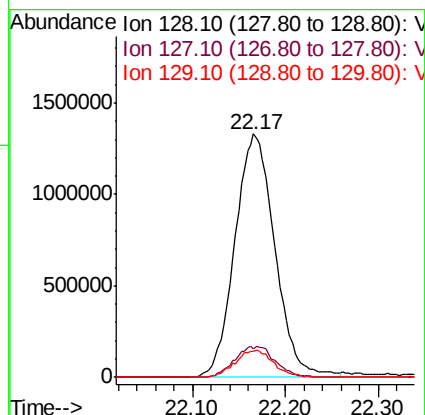
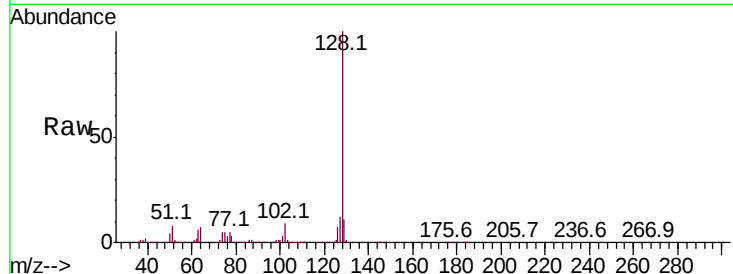
#79
Naphthalene
Concen: 12.560 ppbv
RT: 22.17 min Scan# 6027
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.6	16.0
129	10.8	8.6	12.8

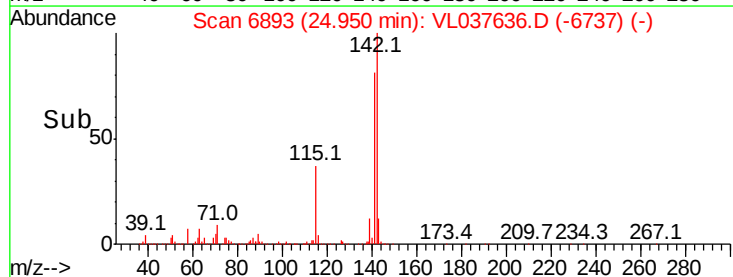
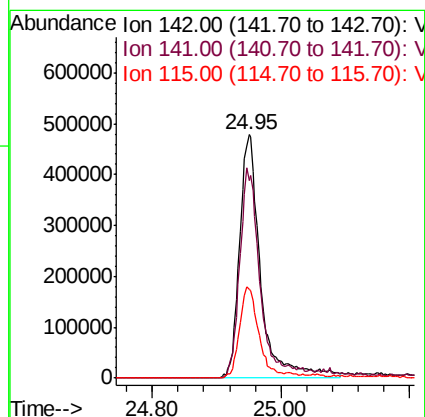
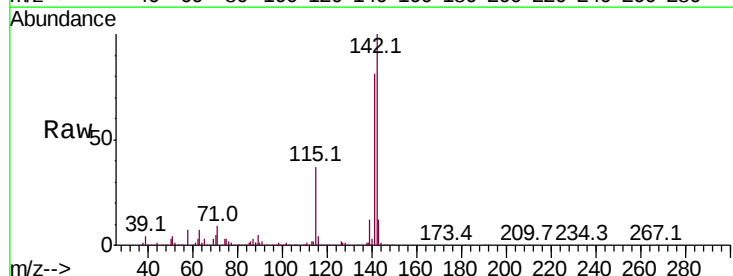
Manual Integrations
APPROVED

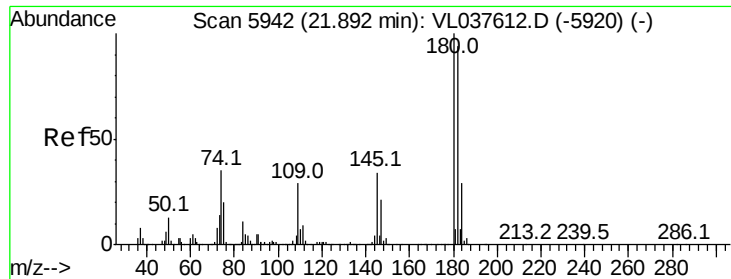
MMDadoda
9/20/2021 5:27:45 PM



#80
Naphthalene, 2-methyl-
Concen: 15.040 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. 0.00 min
Lab File: VL037636.D
Acq: 17 Sep 2021 4:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.9	106.3
115	36.4	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 11.056 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037636.D
 Acq: 17 Sep 2021 4:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.6	78.9	118.3
184	31.6	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:27:45 PM

