

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092321\
 Data File : VL037654.D
 Acq On : 23 Sep 2021 9:32
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/27/2021 10:56:23 AM

Quant Time: Sep 24 12:11:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 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	5.67	49	1629712	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4809559	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4525486m	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	3240764	9.91	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.05	85	2092483m	7.095	ppbv
3) Chlorodifluoromethane	2.99	51	2691227	8.755	ppbv 98
4) Chloromethane	3.14	50	1009258	8.886	ppbv 97
5) Vinyl Chloride	3.26	62	1011648	9.483	ppbv 99
6) Bromomethane	3.48	94	518092	8.356	ppbv 90
7) Chloroethane	3.56	64	349447	8.765	ppbv 100
8) Dichlorotetrafluoroethane	3.19	85	2199799	8.647	ppbv 99
9) Propene	3.01	41	1019294	9.400	ppbv 94
10) Heptane	8.13	43	2421398	9.570	ppbv 99
11) Trichlorofluoromethane	3.95	101	2055569	8.682	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1522393	8.711	ppbv 100
13) Ethanol	3.61	45	106396m	10.031	ppbv
14) Bromoethene	3.74	108	713787	8.973	ppbv 98
15) Acetone	3.85	43	1175658m	6.943	ppbv
16) 1,3-Butadiene	3.33	39	979679	9.259	ppbv 98
17) tert-Butyl alcohol	4.28	59	1446884	10.077	ppbv 100
18) 1,1-Dichloroethene	4.29	96	698562	8.581	ppbv 93
19) Isopropyl Alcohol	3.96	45	832386	9.035	ppbv # 96
20) Methylene Chloride	4.35	84	592807	7.333	ppbv 93
21) Allyl Chloride	4.41	41	1127355	8.912	ppbv 99
22) trans-1,2-Dichloroethene	4.88	96	718221	8.768	ppbv 98
23) Vinyl Acetate	5.07	43	2250391	9.604	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1428199	8.509	ppbv 96
25) Ethyl Acetate	5.68	43	3753480	9.153	ppbv 99
26) Hexane	5.69	57	1819416	9.339	ppbv 99
27) Carbon Disulfide	4.55	76	1723774	9.672	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1581925	9.219	ppbv 99
29) Chloroform	5.75	83	2523828	8.872	ppbv 98
30) Cyclohexane	7.13	84	1528749	9.176	ppbv 99
31) cis-1,2-Dichloroethene	5.55	61	1708859	9.663	ppbv 100
32) 1,1,1-Trichloroethane	6.51	97	2439482	9.211	ppbv 99
34) 2-Butanone	5.25	43	1675793	8.574	ppbv 100
35) Carbon Tetrachloride	7.02	117	2528040	9.292	ppbv 98
36) Benzene	6.89	78	3751877	9.355	ppbv 99
37) 1,2-Dichloroethane	6.31	62	1741364	8.828	ppbv 100
38) Trichloroethene	7.84	130	1464275	8.740	ppbv 97
39) 1,2-Dichloropropane	7.62	63	1417469	9.228	ppbv 95
40) 1,4-Dioxane	7.83	88	362609m	9.704	ppbv
41) Tetrahydrofuran	6.05	42	890778	9.695	ppbv 99
42) Bromodichloromethane	7.79	83	2711263	9.590	ppbv 98
43) Methyl Methacrylate	8.02	69	1352640	10.138	ppbv 99

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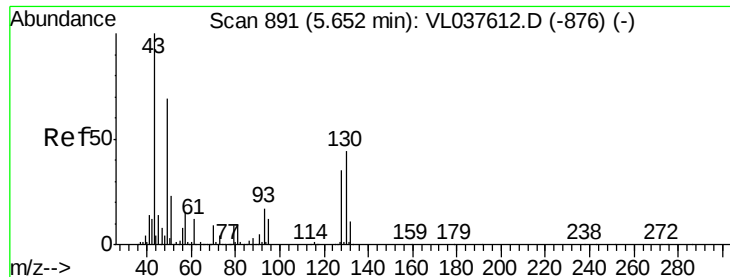
Manual Integrations
 APPROVED

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 9/27/2021 10:56:23 AM

Quant Time: Sep 24 12:11:33 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 1
 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	7.87	57	6197114	9.191	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1011141	9.648	ppbv	99
46) cis-1,3-Dichloropropene	8.71	75	1351691	9.548	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1511422	8.895	ppbv	97
48) Dibromochloromethane	10.31	129	2379240	10.037	ppbv	98
49) Bromoform	13.05	173	1944738	10.250	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2391032	9.638	ppbv	99
51) 2-Hexanone	10.14	43	1122553	10.256	ppbv	98
52) Tetrachloroethene	11.23	164	1373683	8.922	ppbv	97
53) Toluene	9.81	91	4330110	9.713	ppbv	99
54) 1,2-Dibromoethane	10.62	107	2133716	9.171	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1611261	8.584	ppbv	94
57) Chlorobenzene	12.15	112	3116105	8.282	ppbv	99
58) Ethyl Benzene	12.72	91	5544786	9.230	ppbv	100
59) m/p-Xylene	13.00	91	9087163m	17.358	ppbv	
60) o-Xylene	13.70	91	4273698	8.577	ppbv	99
61) Styrene	13.53	104	2412030	9.817	ppbv	98
62) Isopropylbenzene	14.67	105	5978889	8.589	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3017025	7.737	ppbv	98
64) n-propylbenzene	15.56	120	1591669	8.861	ppbv	88
65) tert-Butylbenzene	16.75	119	5257831	8.378	ppbv	99
66) Benzyl Chloride	16.99	91	281815	8.217	ppbv	99
67) sec-Butylbenzene	17.29	105	7241299	8.504	ppbv	99
69) p-Isopropyltoluene	17.65	119	6064450	8.718	ppbv	100
70) n-Butylbenzene	18.55	91	5909781	8.979	ppbv	100
71) 2-Chlorotoluene	15.45	91	4360392	8.741	ppbv	99
72) 4-Ethyltoluene	15.84	105	5243799	9.168	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4616219	8.658	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	4722753	8.410	ppbv #	93
75) 1,3-Dichlorobenzene	17.00	146	2929452	8.396	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2808774	8.162	ppbv	100
77) 1,2-Dichlorobenzene	17.81	146	2780465	8.402	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	2043629	7.338	ppbv	99
79) Naphthalene	22.19	128	3479115	10.090	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	987526	12.530	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	2077888	9.386	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1629712

Ion Ratio Lower Upper

49 100

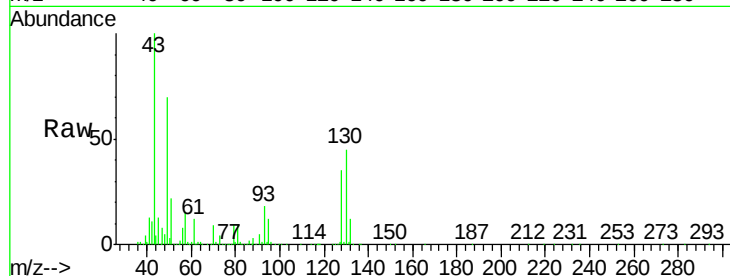
128 54.6 27.9 83.6

130 66.7 33.9 101.7

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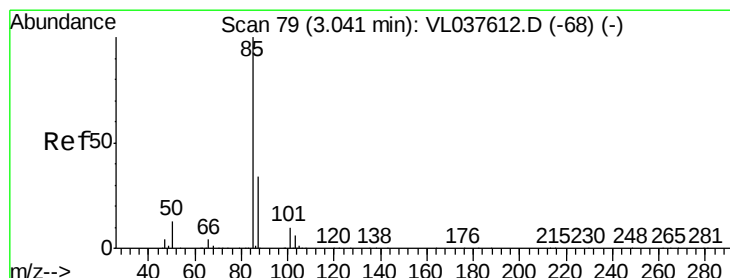
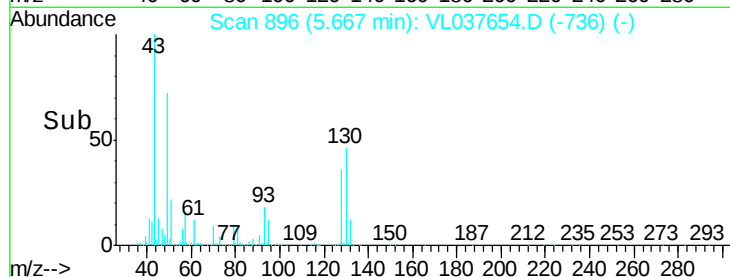
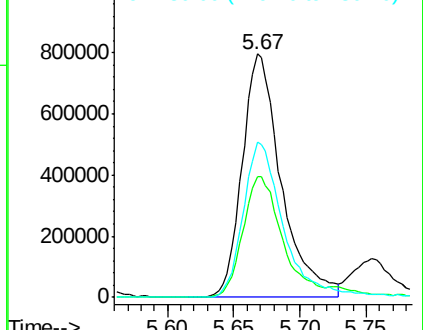
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.095 ppbv m

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037654.D

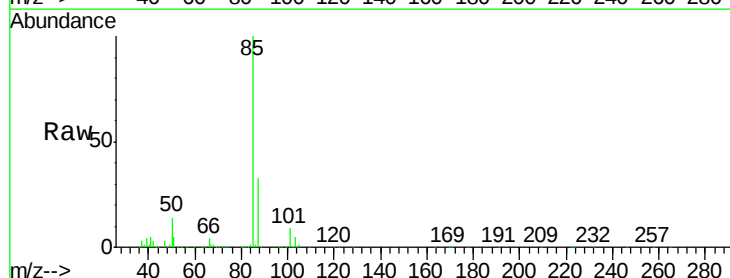
Acq: 23 Sep 2021 9:32

Tgt Ion: 85 Resp: 2092483

Ion Ratio Lower Upper

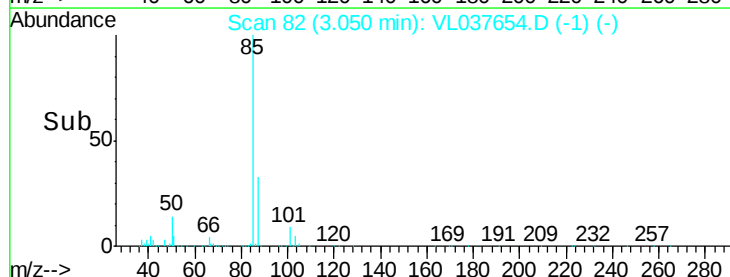
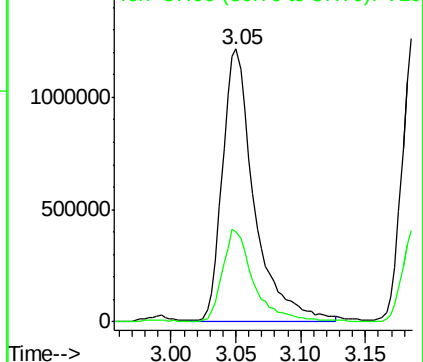
85 100

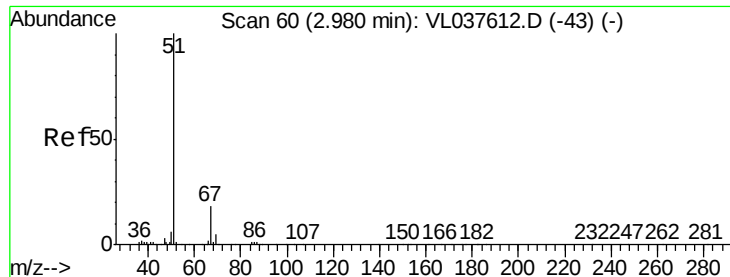
87 32.9 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.755 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDC0010

Tgt Ion: 51 Resp: 2691227

Ion Ratio Lower Upper

51 100

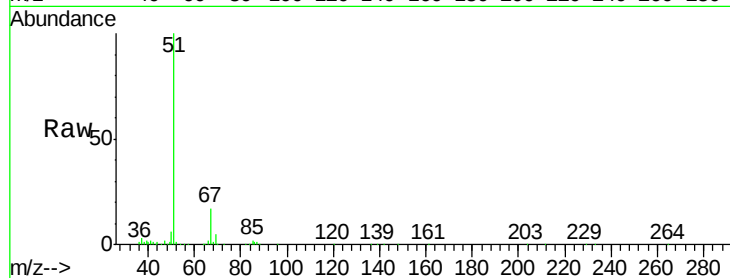
67 16.7 14.0 21.0

Manual Integrations

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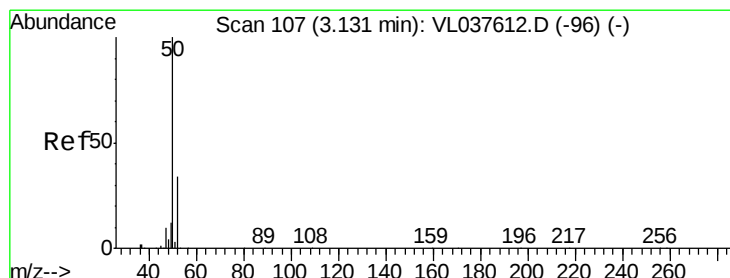
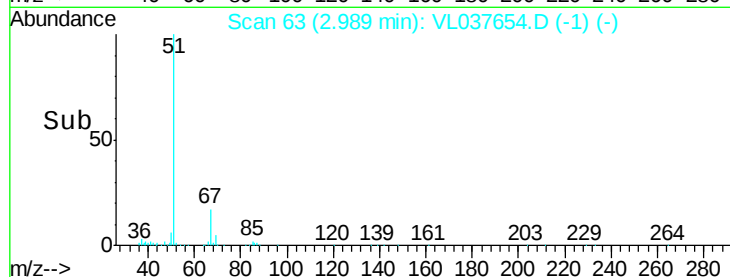
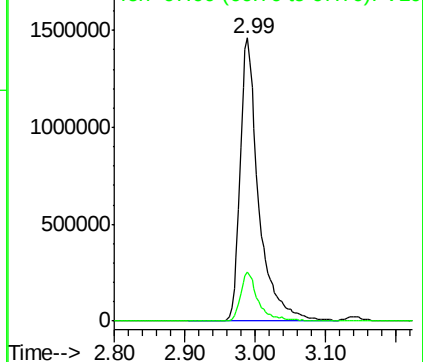
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.886 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL037654.D

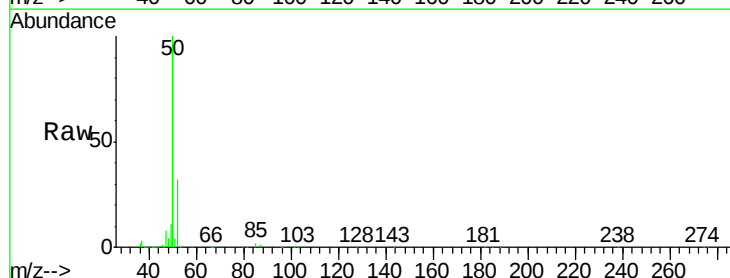
Acq: 23 Sep 2021 9:32

Tgt Ion: 50 Resp: 1009258

Ion Ratio Lower Upper

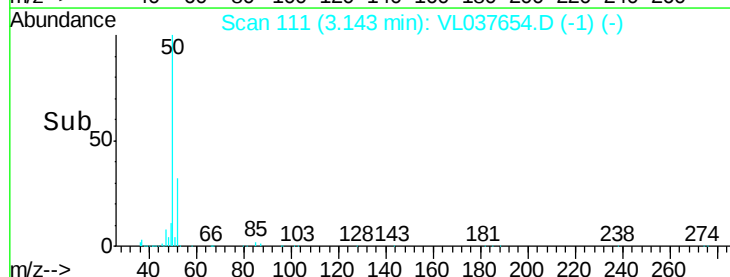
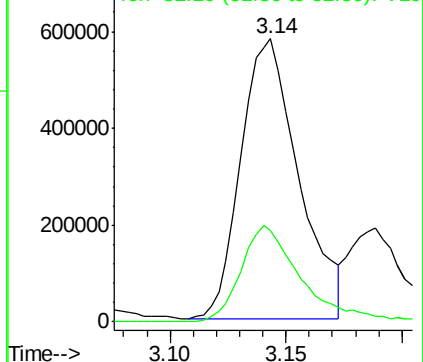
50 100

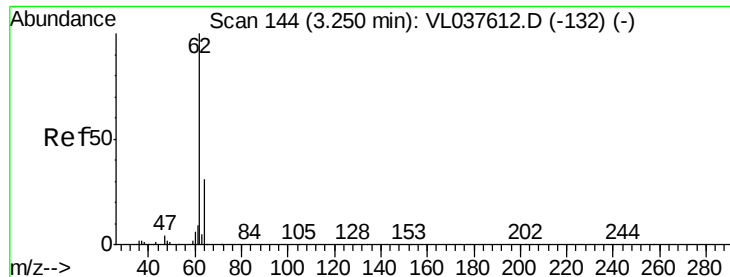
52 32.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.483 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 1011648

Ion Ratio Lower Upper

62 100

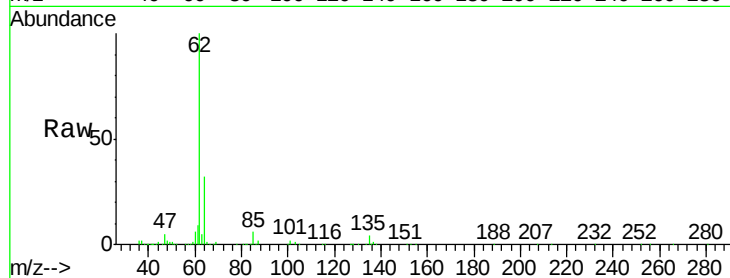
64 31.6 24.9 37.3

Manual Integrations

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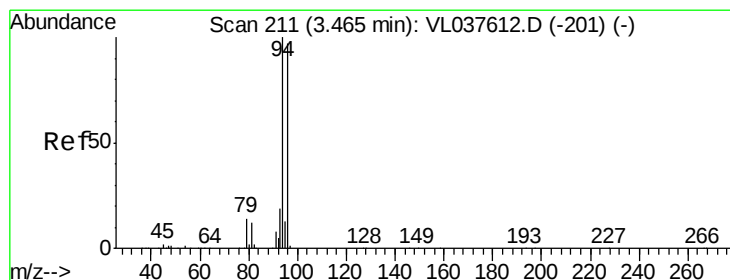
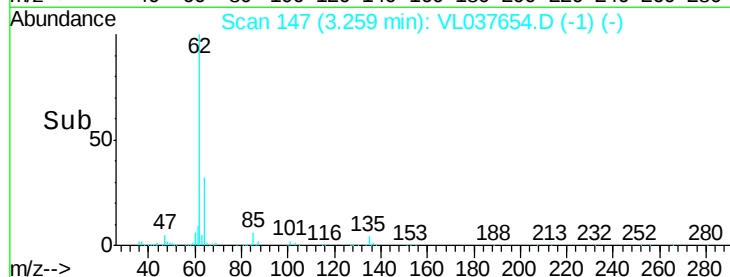
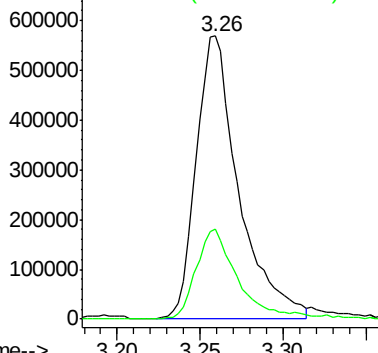
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.356 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037654.D

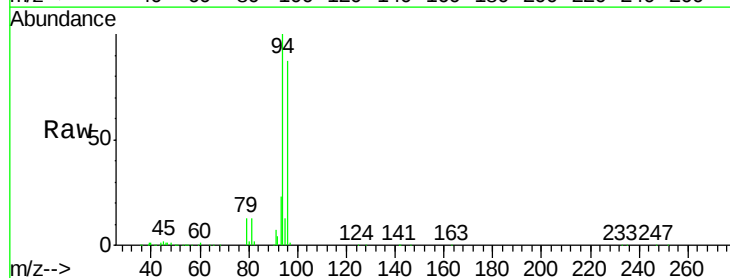
Acq: 23 Sep 2021 9:32

Tgt Ion: 94 Resp: 518092

Ion Ratio Lower Upper

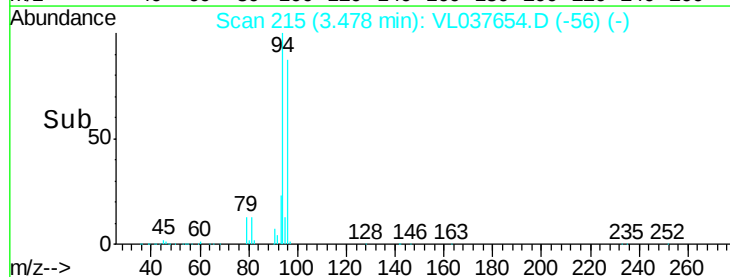
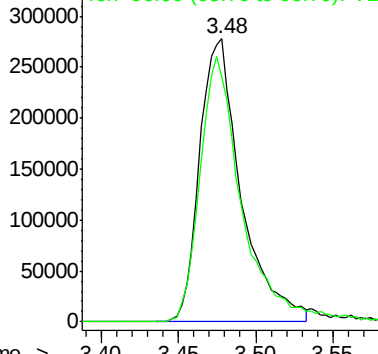
94 100

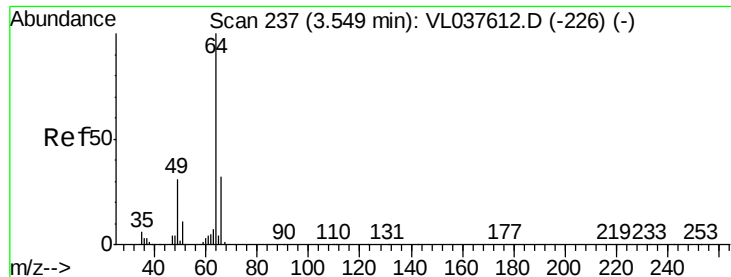
96 86.8 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.765 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 349447

Ion Ratio Lower Upper

64 100

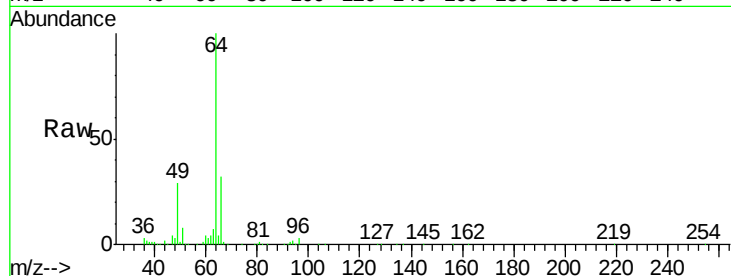
66 31.8 25.3 37.9

Manual Integrations

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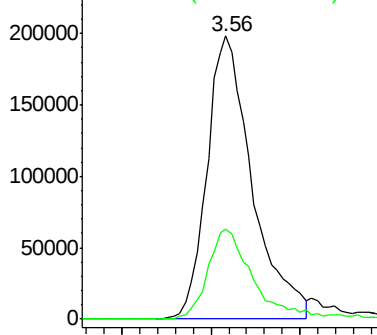
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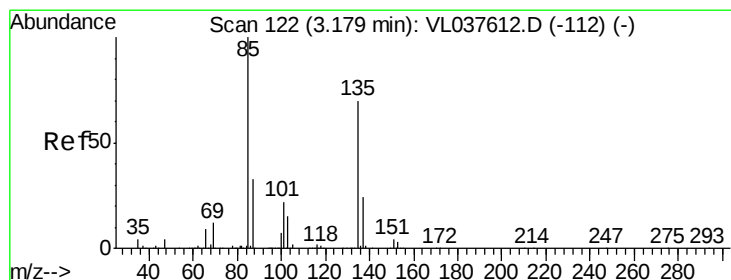
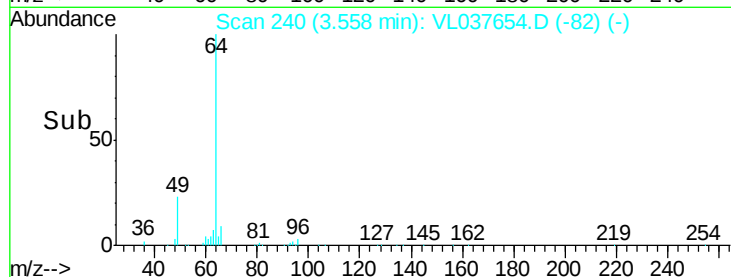


Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.647 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037654.D

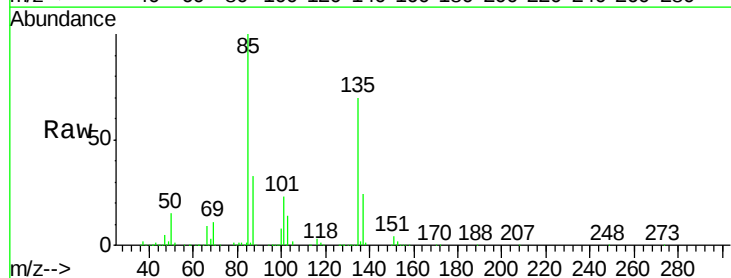
Acq: 23 Sep 2021 9:32

Tgt Ion: 85 Resp: 2199799

Ion Ratio Lower Upper

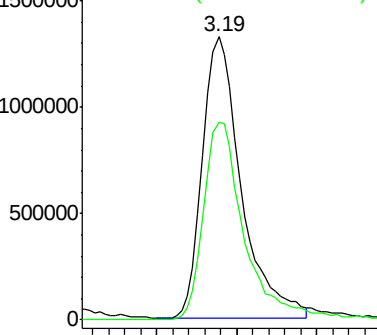
85 100

135 74.7 59.3 88.9

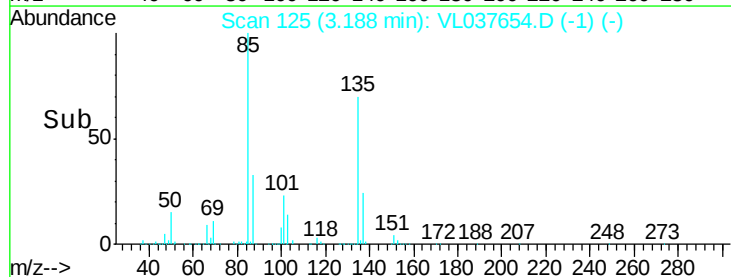


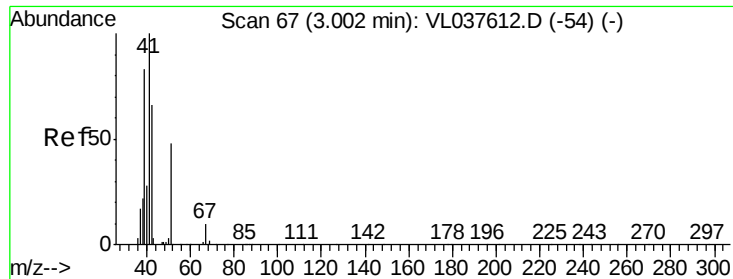
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V



Time-->





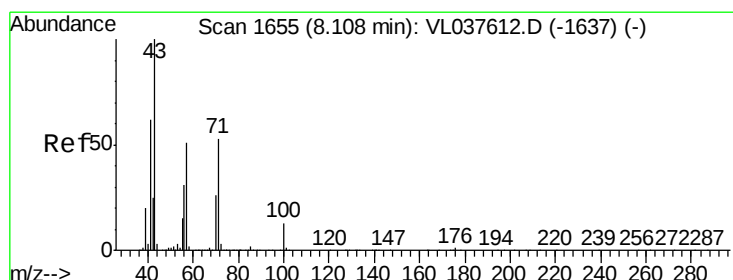
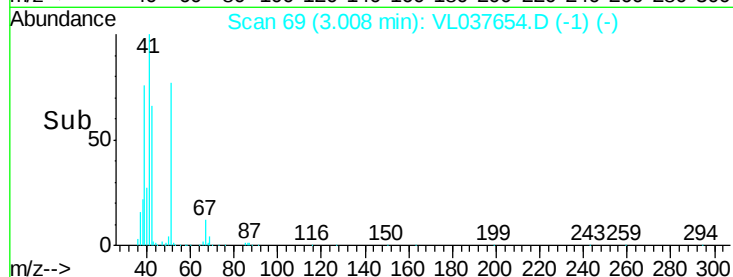
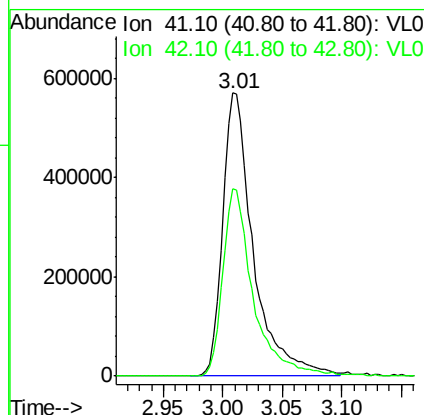
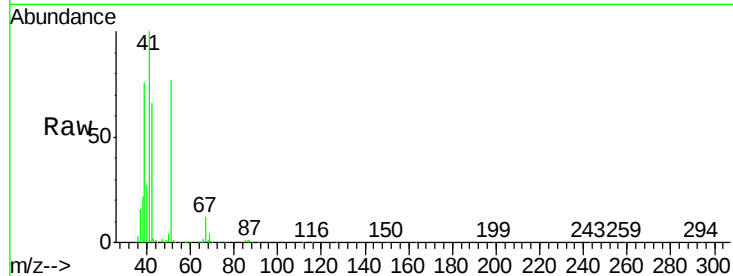
#9
Propene
Concen: 9.400 ppbv
RT: 3.01 min Scan# 69
Delta R.T. 0.01 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 41 Resp: 1019294
Ion Ratio Lower Upper
41 100
42 66.4 57.2 85.8

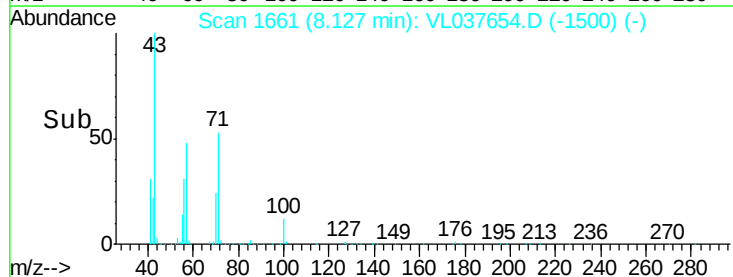
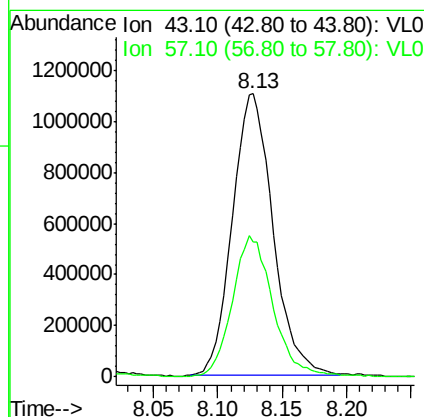
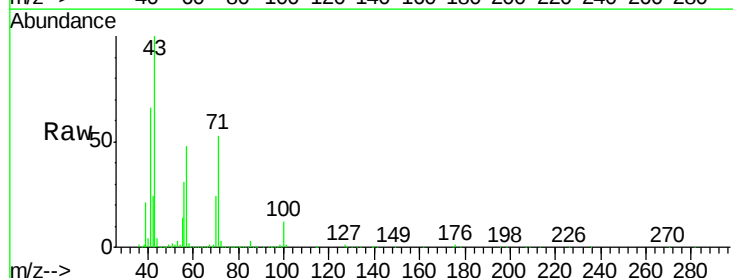
Manual Integrations
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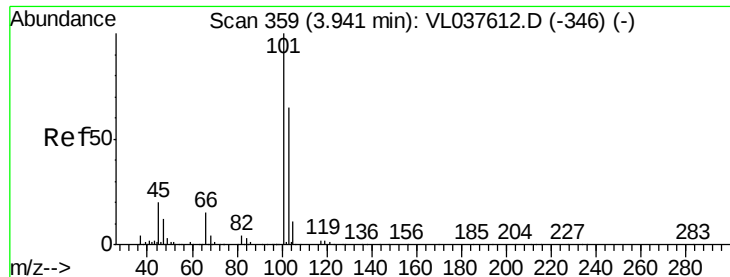
MMDadoda
9/27/2021 10:56:23 AM



#10
Heptane
Concen: 9.570 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 43 Resp: 2421398
Ion Ratio Lower Upper
43 100
57 49.7 40.1 60.1





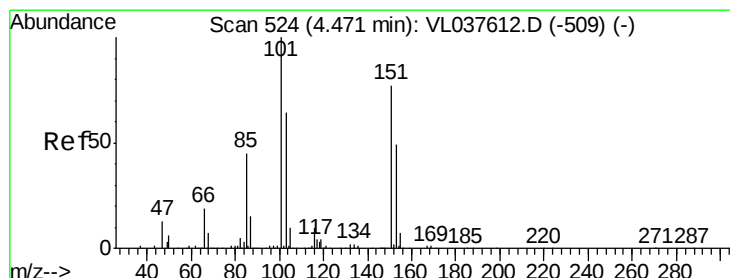
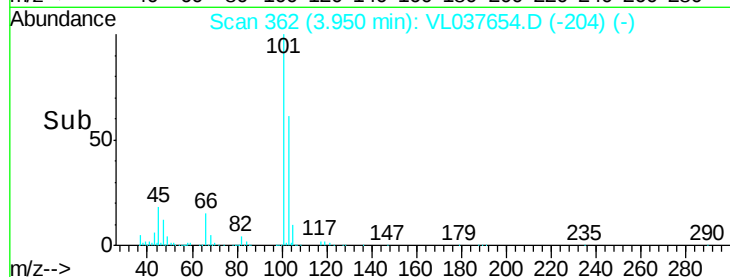
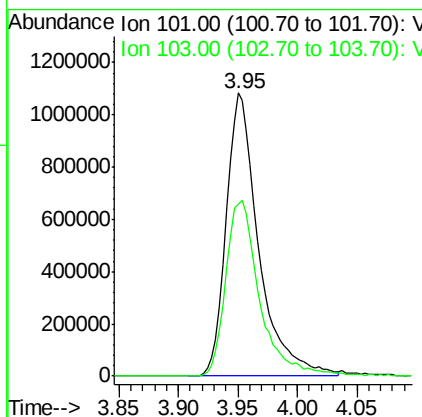
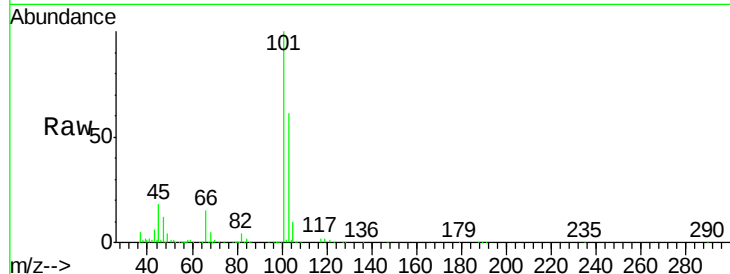
#11
 Trichlorofluoromethane
 Concen: 8.682 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.01 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 2055569
 Ion Ratio Lower Upper
 101 100
 103 60.8 51.9 77.9

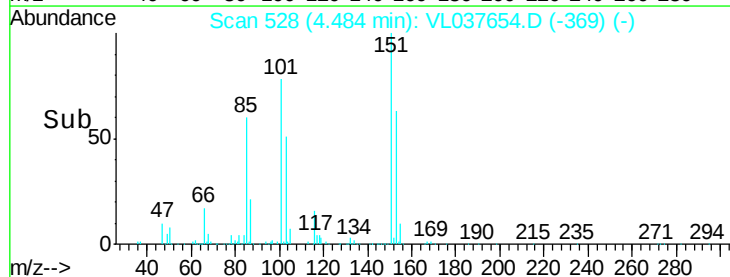
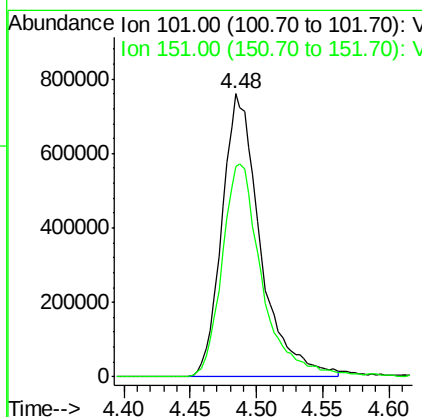
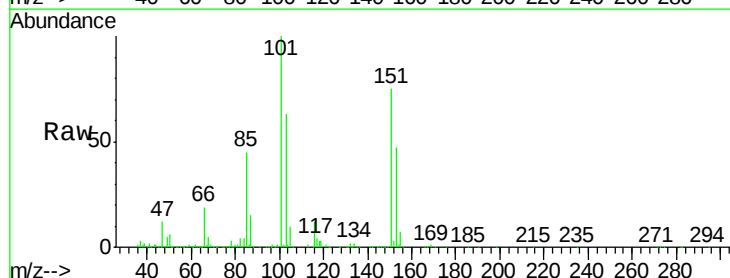
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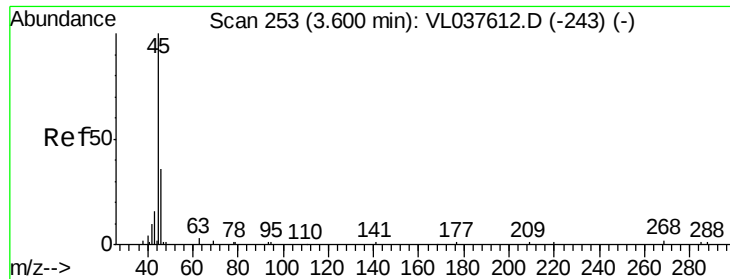
MMDadoda
 9/27/2021 10:56:23 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.711 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion:101 Resp: 1522393
 Ion Ratio Lower Upper
 101 100
 151 79.3 63.5 95.3





#13

Ethanol

Concen: 10.031 ppbv m

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 106396

Ion Ratio Lower Upper

45 100

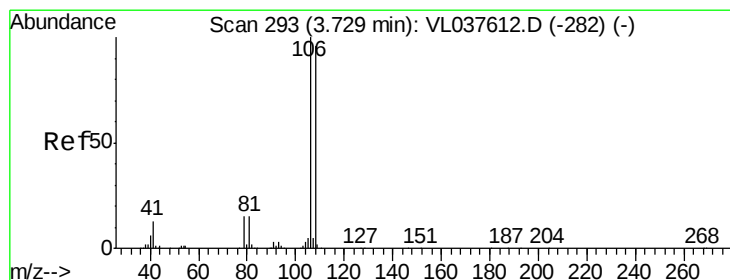
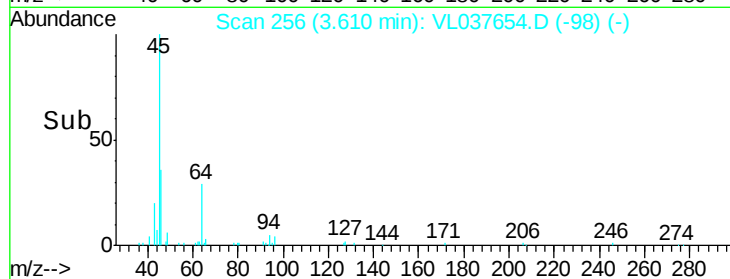
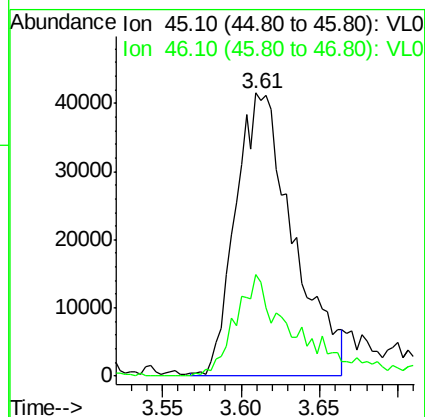
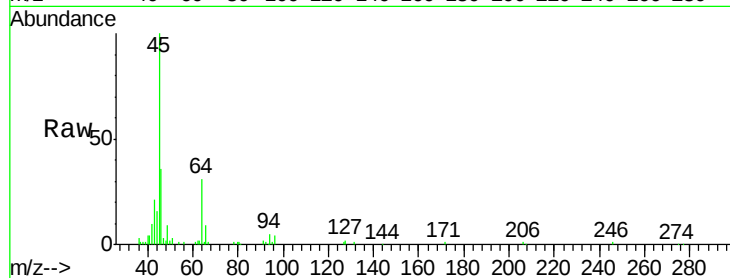
46 41.0 17.2 68.8

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#14

Bromoethene

Concen: 8.973 ppbv

RT: 3.74 min Scan# 297

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

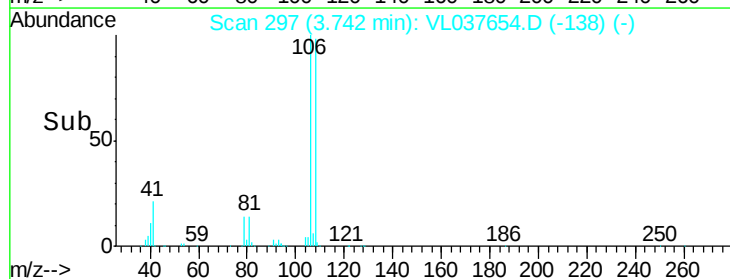
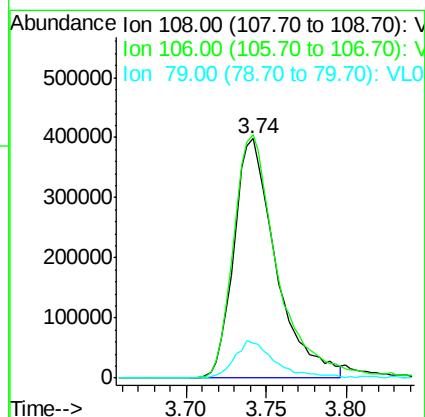
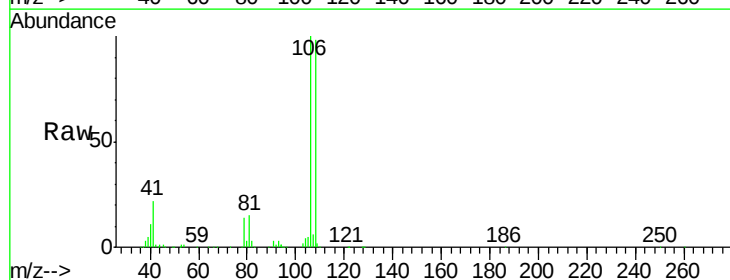
Tgt Ion: 108 Resp: 713787

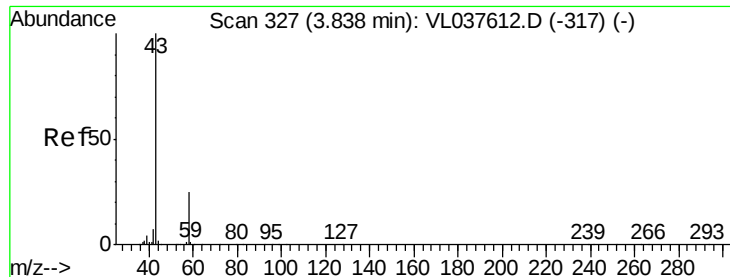
Ion Ratio Lower Upper

108 100

106 108.3 88.2 132.4

79 15.7 12.8 19.2





#15

Acetone

Concen: 6.943 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1175658

Ion Ratio Lower Upper

43 100

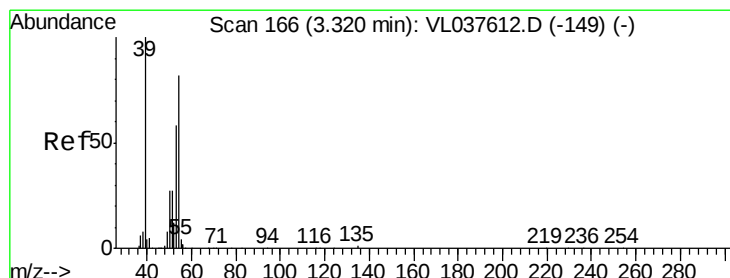
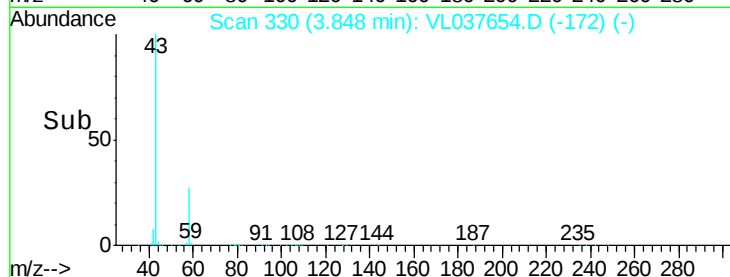
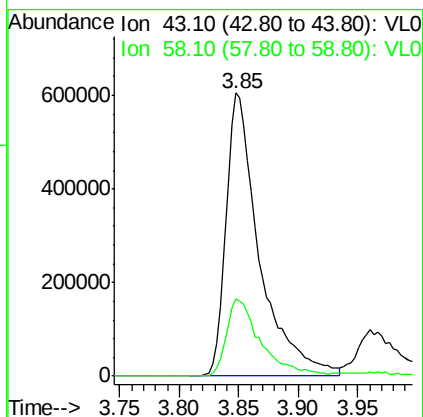
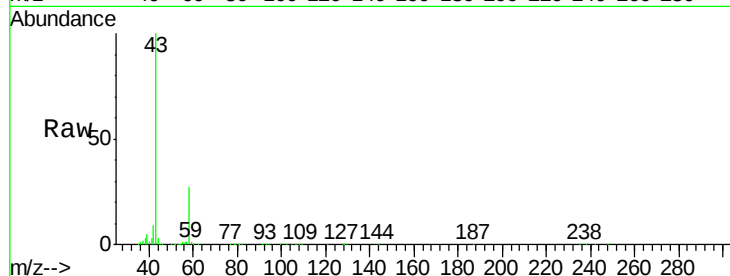
58 28.4 24.9 37.3

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#16

1,3-Butadiene

Concen: 9.259 ppbv

RT: 3.33 min Scan# 169

Delta R.T. 0.01 min

Lab File: VL037654.D

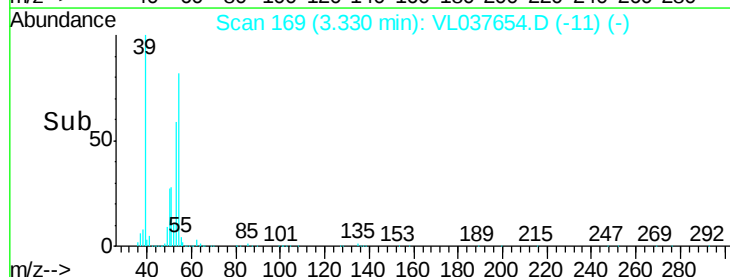
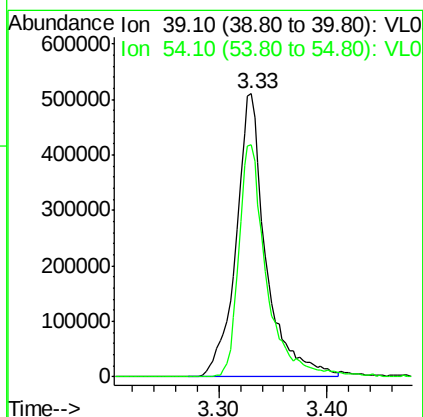
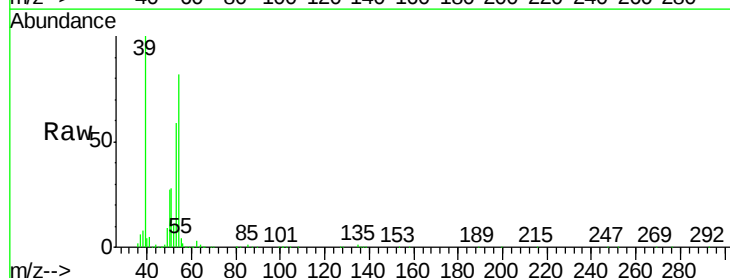
Acq: 23 Sep 2021 9:32

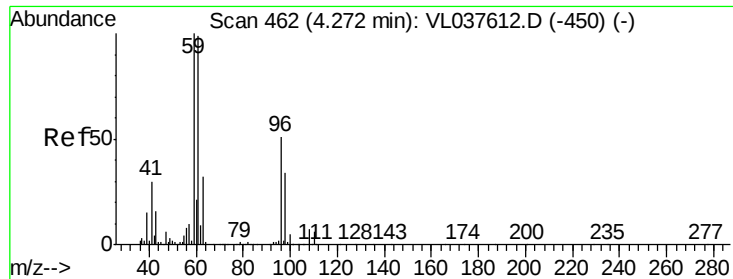
Tgt Ion: 39 Resp: 979679

Ion Ratio Lower Upper

39 100

54 76.7 62.6 93.8





#17

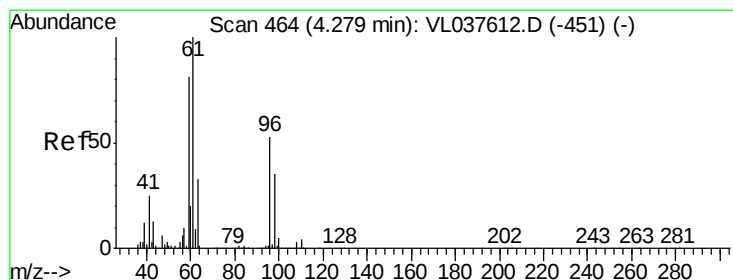
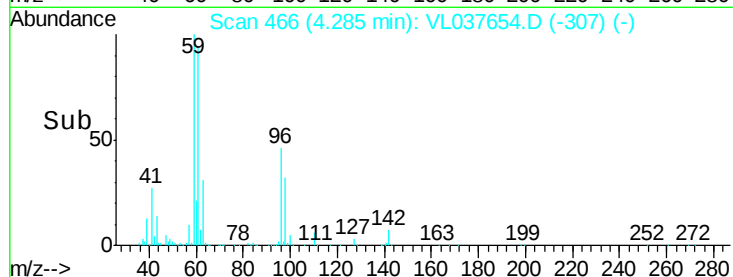
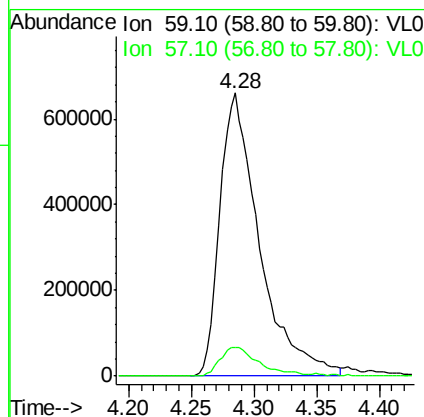
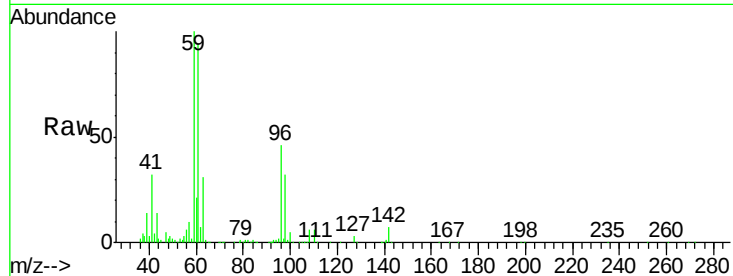
tert-Butyl alcohol
Concen: 10.077 ppbv
RT: 4.28 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 59 Resp: 1446884
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

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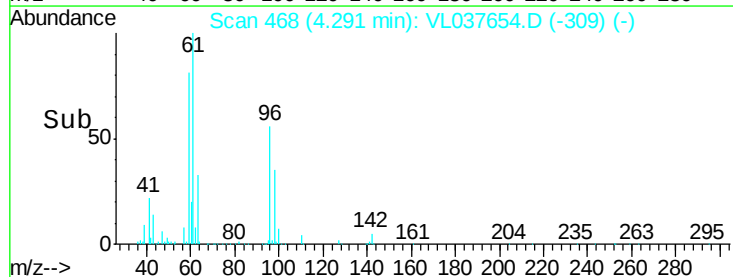
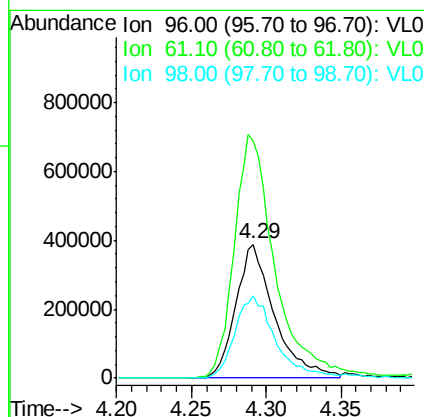
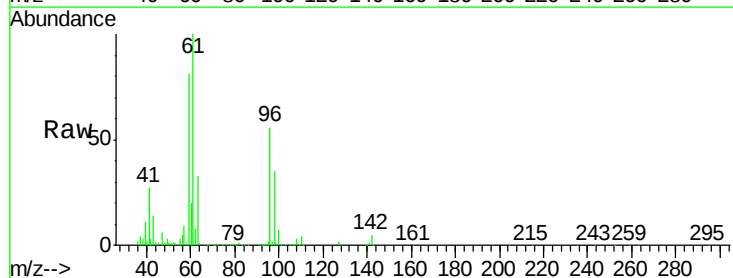
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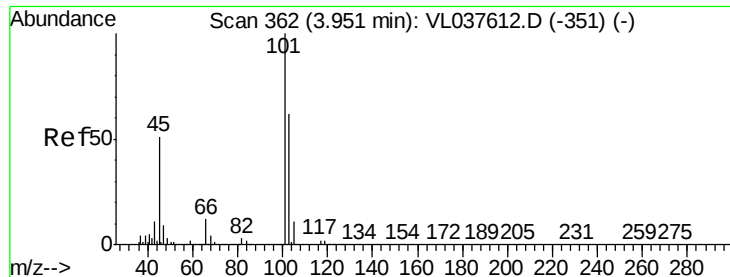


#18

1,1-Dichloroethene
Concen: 8.581 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 96 Resp: 698562
Ion Ratio Lower Upper
96 100
61 177.4 150.4 225.6
98 61.6 52.1 78.1





#19

Isopropyl Alcohol

Concen: 9.035 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 832386

Ion Ratio Lower Upper

45 100

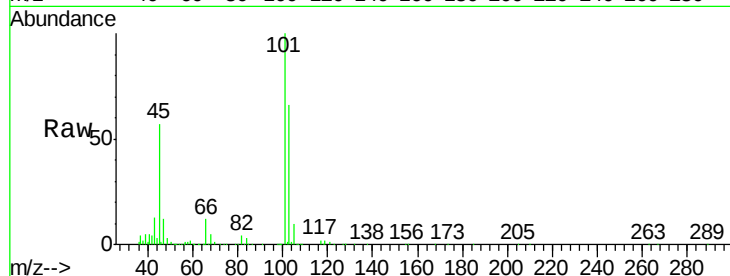
58 2.4 2.9 4.3#

Manual Integrations

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

400000

300000

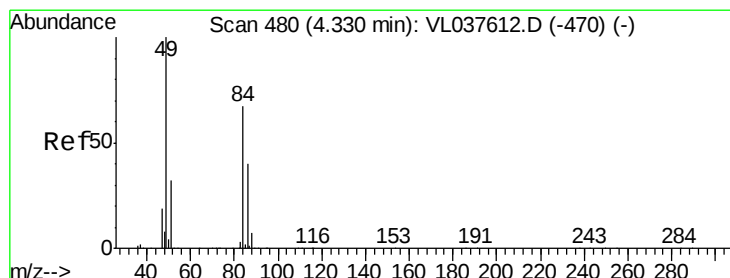
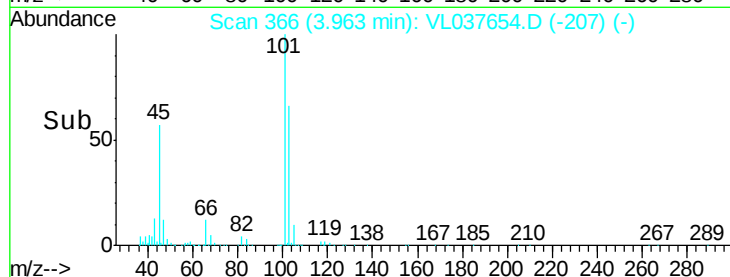
200000

100000

0

3.90 3.95 4.00 4.05

Time-->



#20

Methylene Chloride

Concen: 7.333 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion: 84 Resp: 592807

Ion Ratio Lower Upper

84 100

49 161.5 120.0 180.0

51 45.2 38.0 57.0

86 65.3 48.2 72.2

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

600000

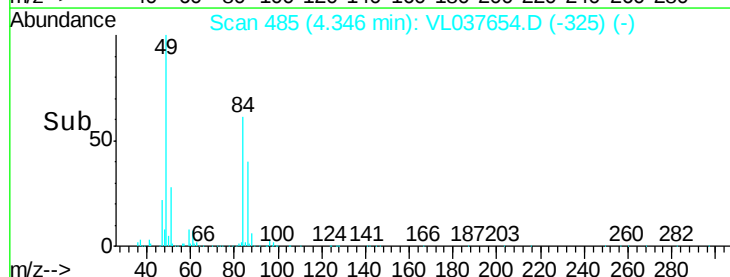
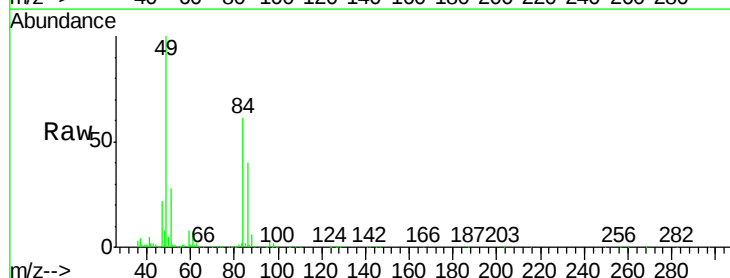
400000

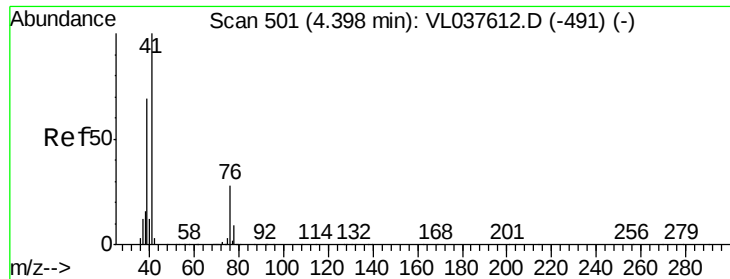
200000

0

4.30 4.35 4.40

Time-->





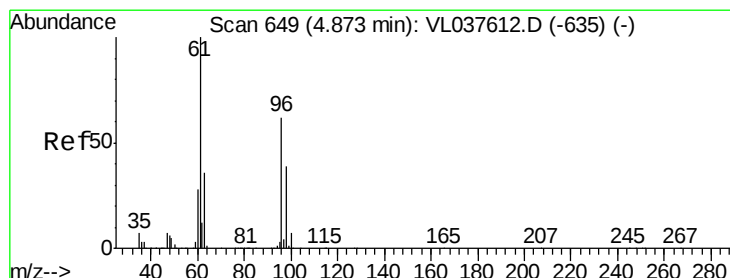
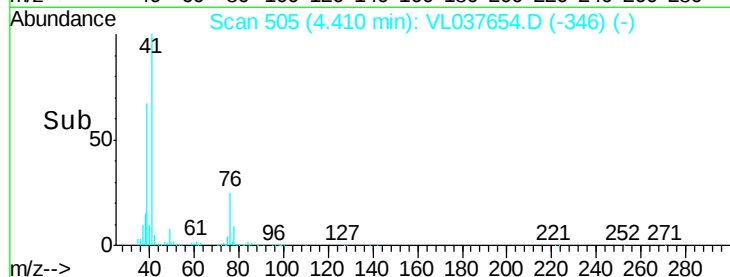
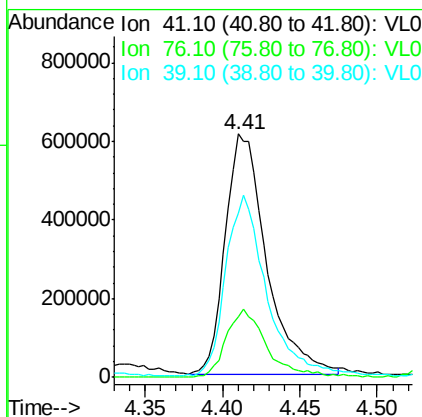
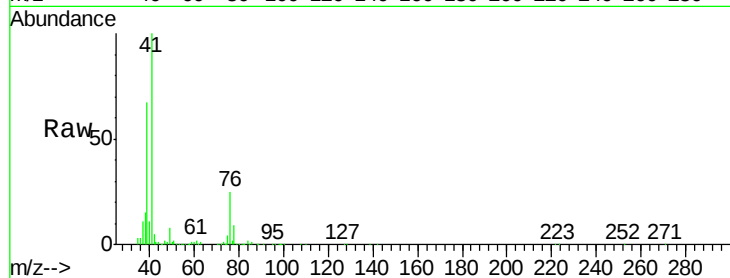
#21
 Allyl Chloride
 Concen: 8.912 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. 0.01 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 1127355
 Ion Ratio Lower Upper
 41 100
 76 28.2 23.1 34.7
 39 75.9 61.0 91.6

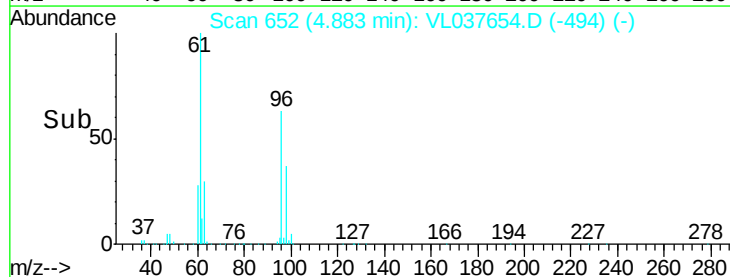
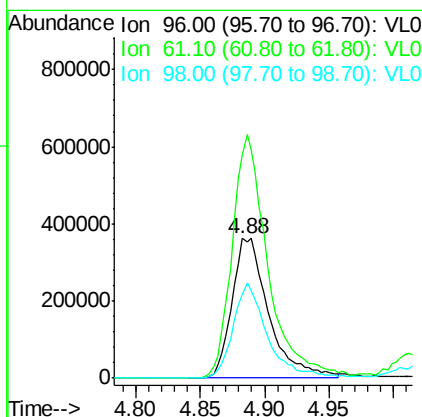
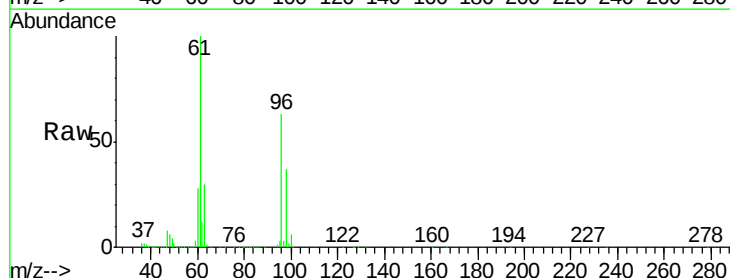
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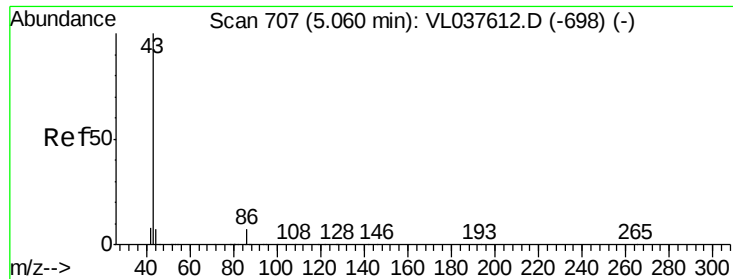
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#22
 trans-1,2-Dichloroethene
 Concen: 8.768 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. 0.01 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 96 Resp: 718221
 Ion Ratio Lower Upper
 96 100
 61 159.8 129.2 193.8
 98 59.6 50.4 75.6





#23

Vinyl Acetate

Concen: 9.604 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2250391

Ion Ratio Lower Upper

43 100

86 7.1 5.0 7.6

42 9.1 7.5 11.3

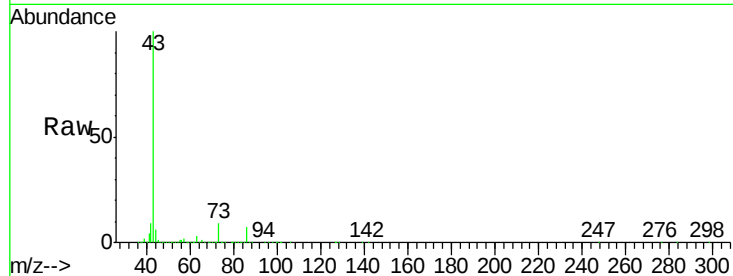
44 5.3 4.7 7.1

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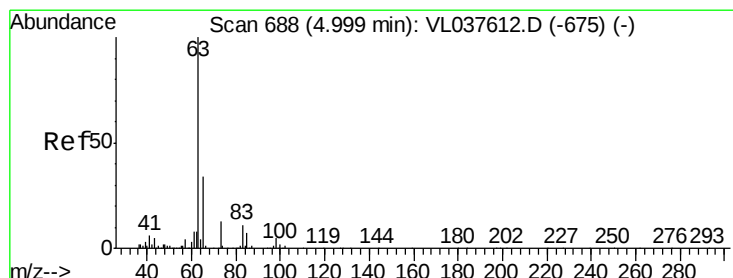
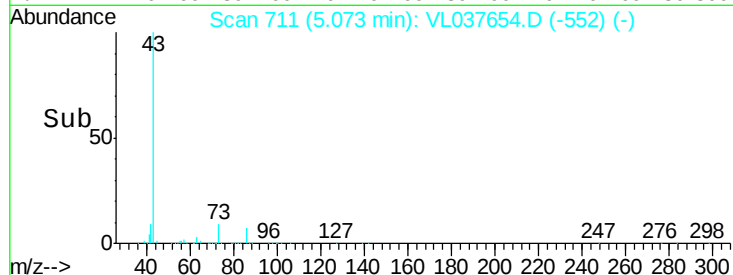
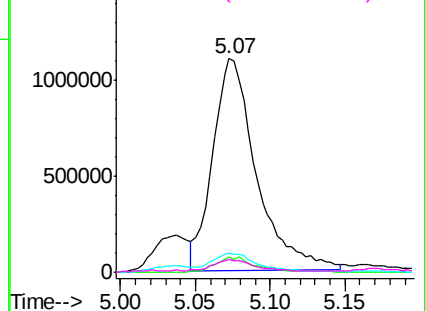


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.509 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

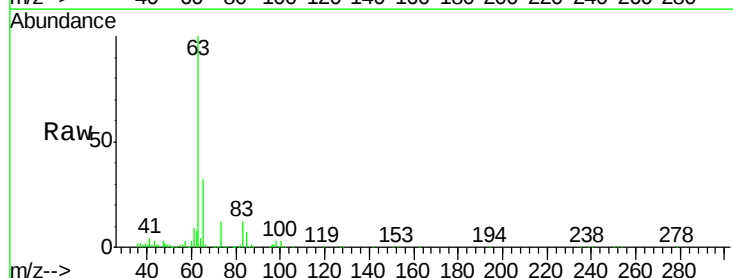
Tgt Ion: 63 Resp: 1428199

Ion Ratio Lower Upper

63 100

98 2.9 2.4 7.2

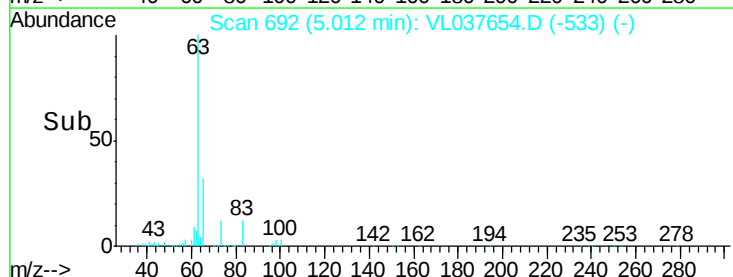
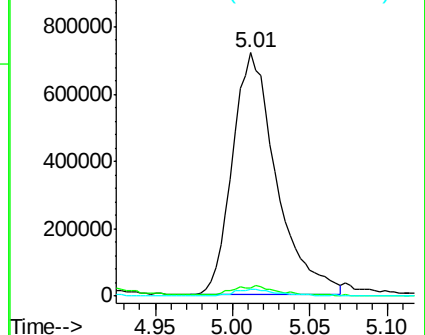
100 2.8 1.1 3.5

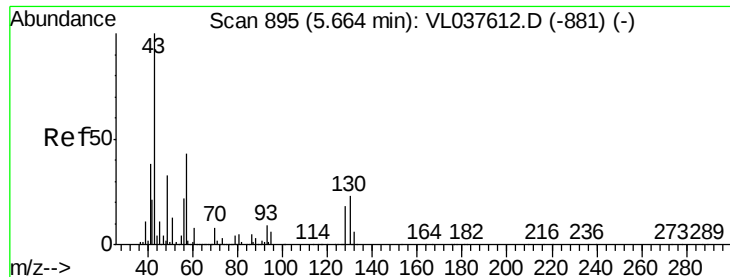


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





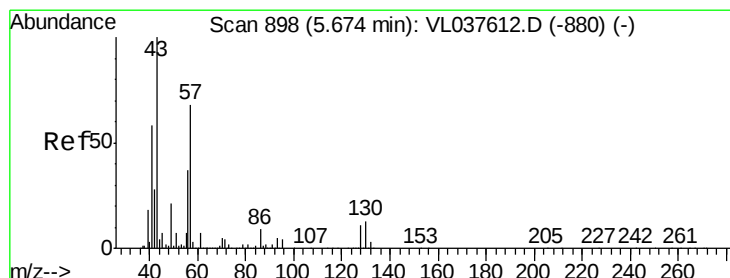
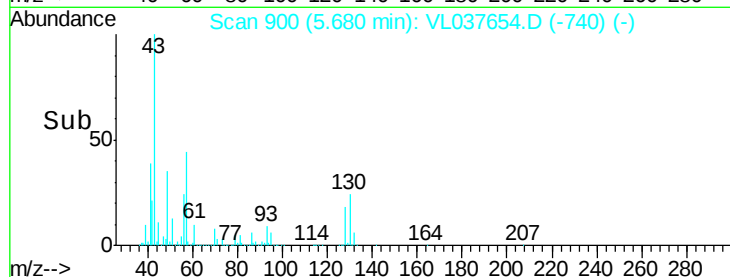
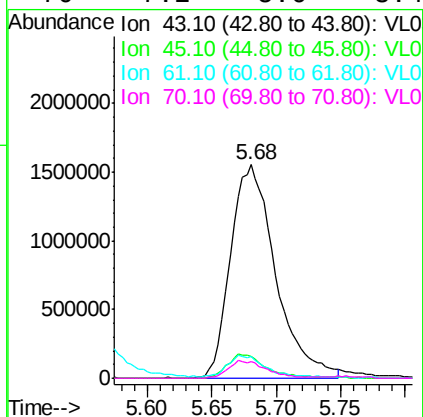
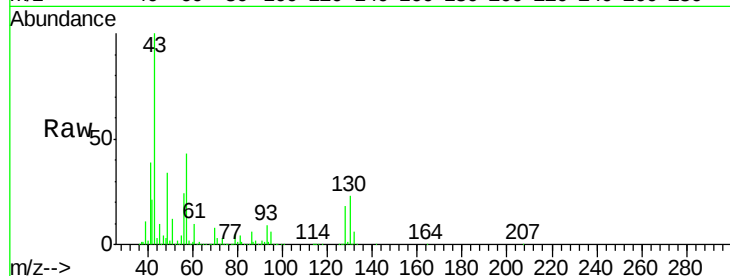
#25
Ethyl Acetate
Concen: 9.153 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.8	7.5	11.3
70	7.2	5.6	8.4

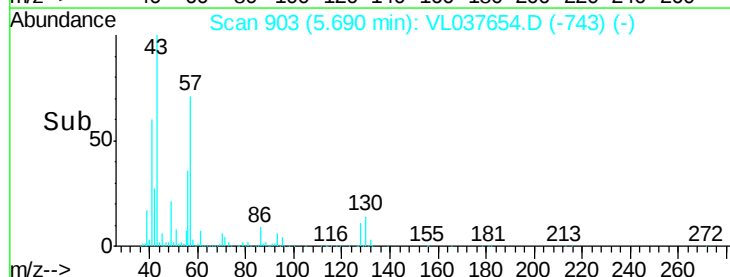
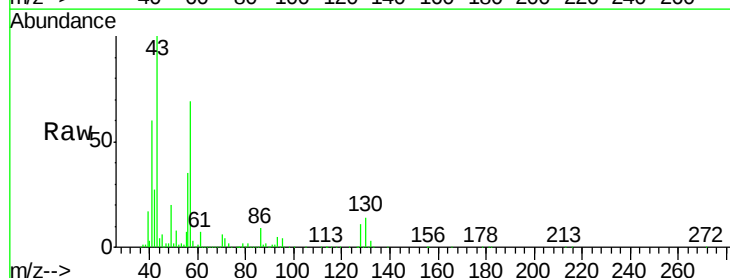
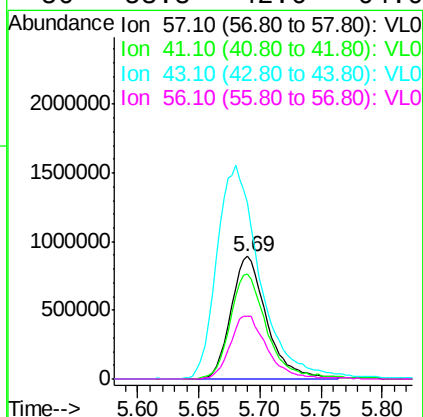
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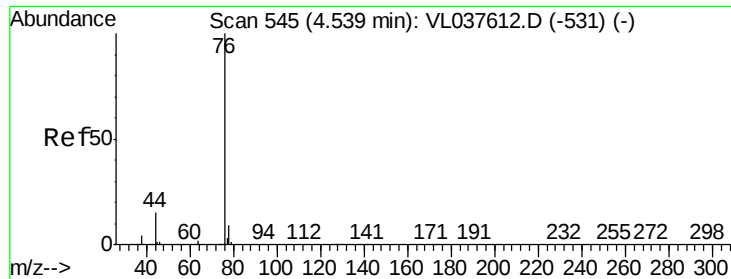
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#26
Hexane
Concen: 9.339 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.2	70.9	106.3
43	212.2	170.4	255.6
56	53.8	42.6	64.0





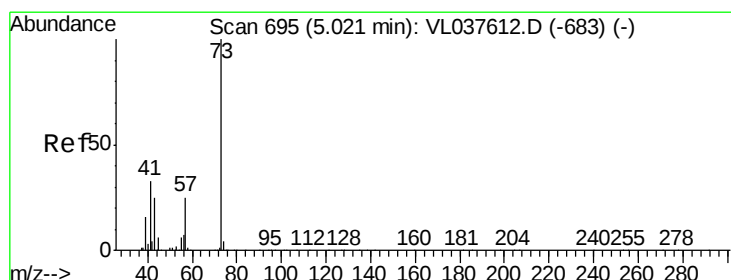
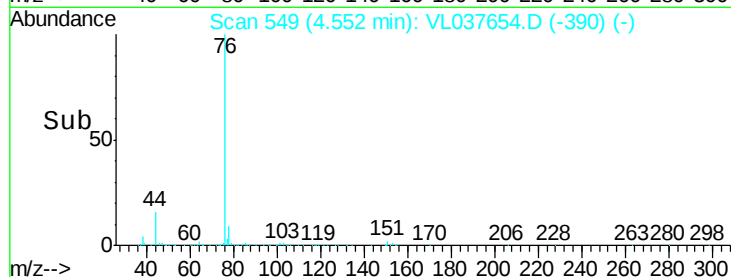
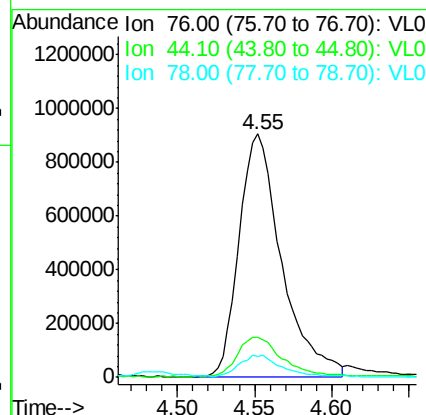
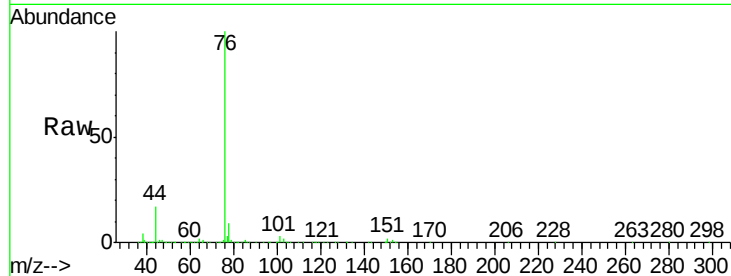
#27
Carbon Disulfide
Concen: 9.672 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 76 Resp: 1723774
Ion Ratio Lower Upper
76 100
44 18.2 14.2 21.2
78 9.8 7.4 11.0

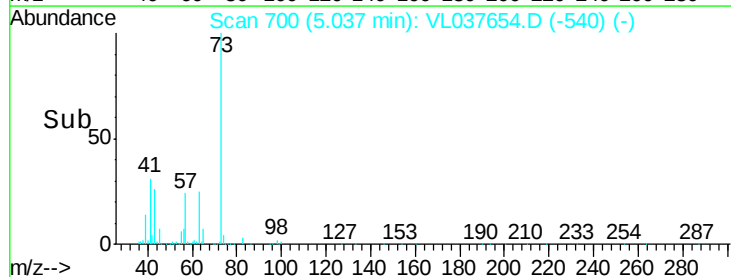
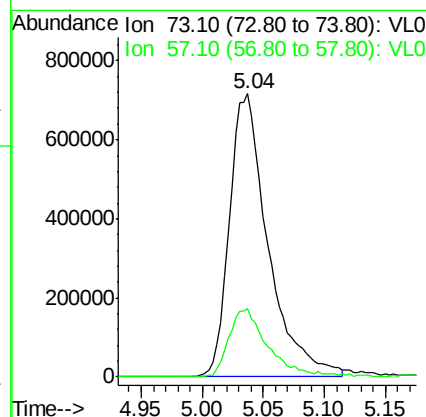
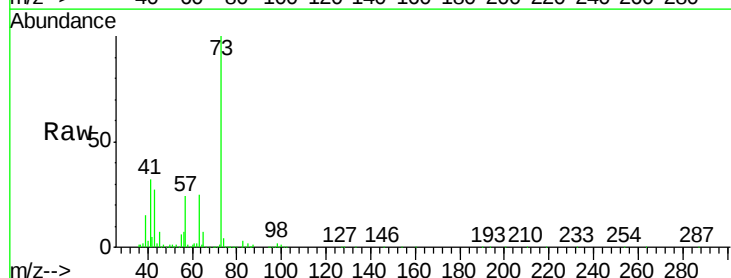
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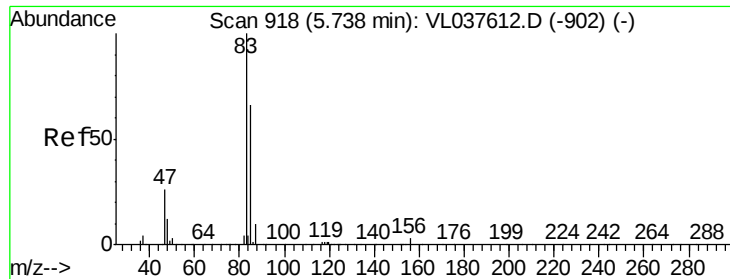
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#28
Methyl tert-Butyl Ether
Concen: 9.219 ppbv
RT: 5.04 min Scan# 700
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 73 Resp: 1581925
Ion Ratio Lower Upper
73 100
57 24.7 20.1 30.1





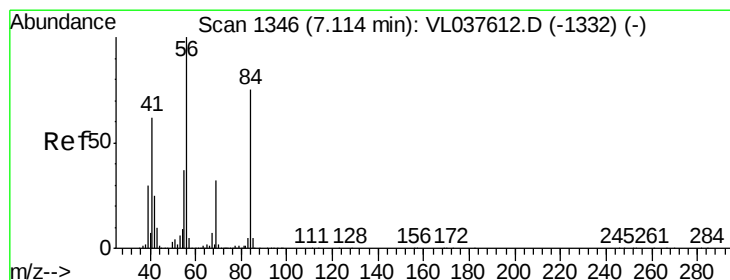
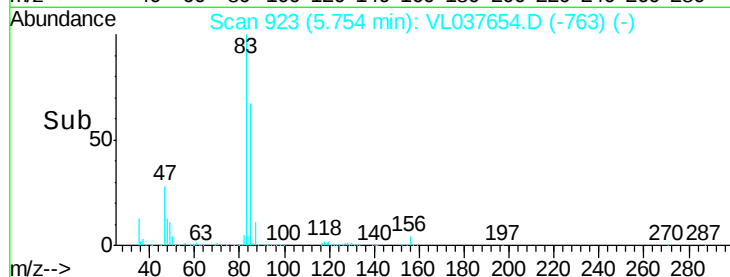
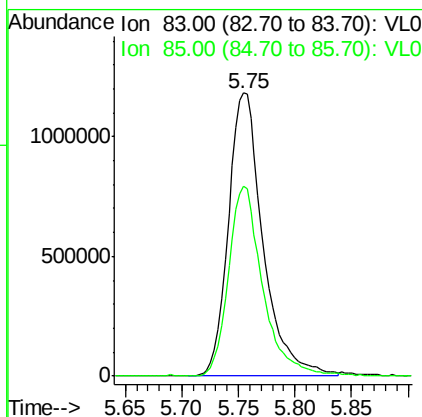
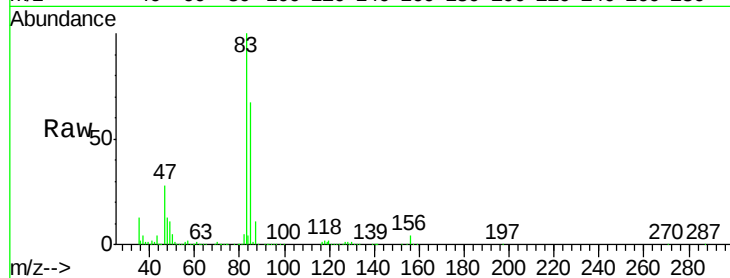
#29
Chloroform
Concen: 8.872 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2523828
Ion Ratio Lower Upper
83 100
85 67.1 52.6 79.0

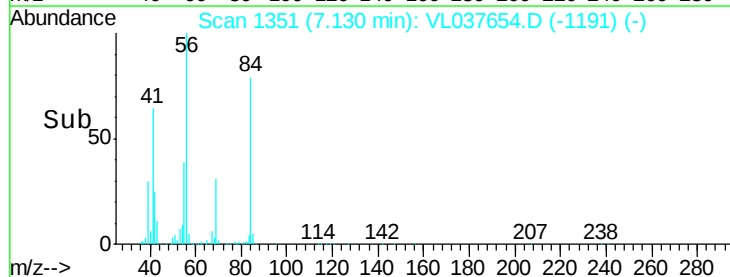
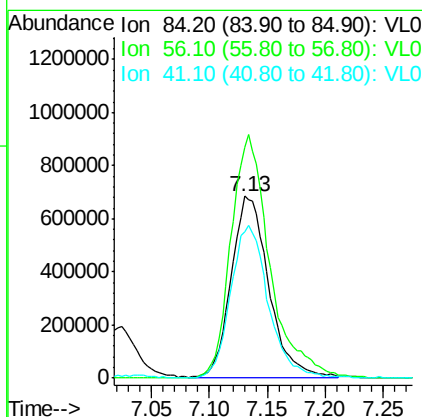
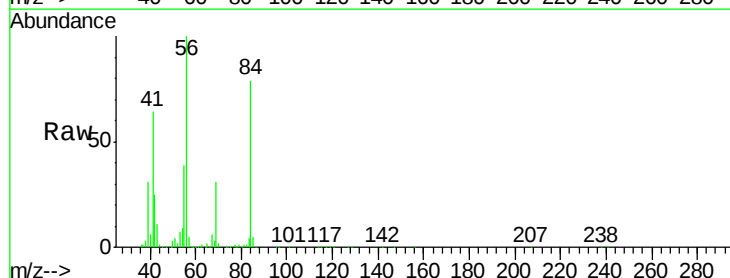
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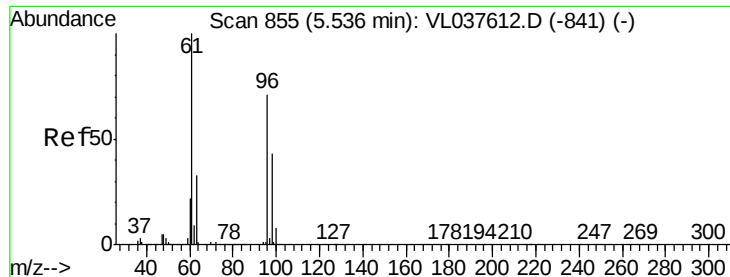
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#30
Cyclohexane
Concen: 9.176 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 84 Resp: 1528749
Ion Ratio Lower Upper
84 100
56 140.6 113.6 170.4
41 85.4 67.9 101.9





#31

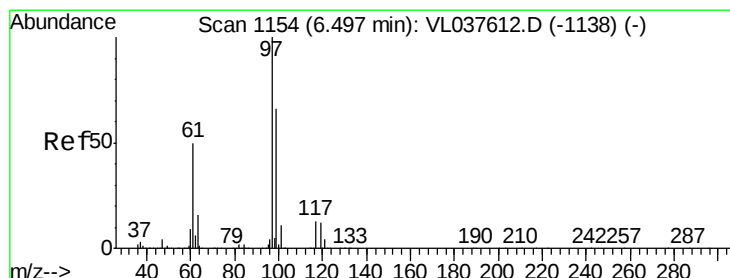
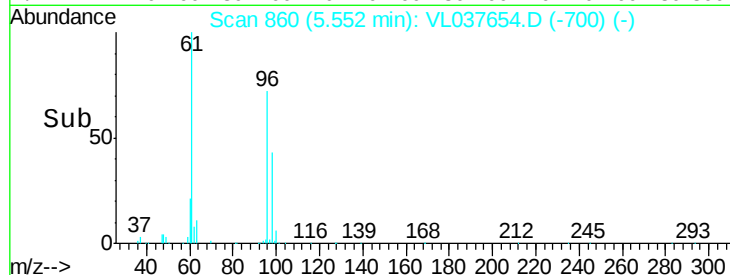
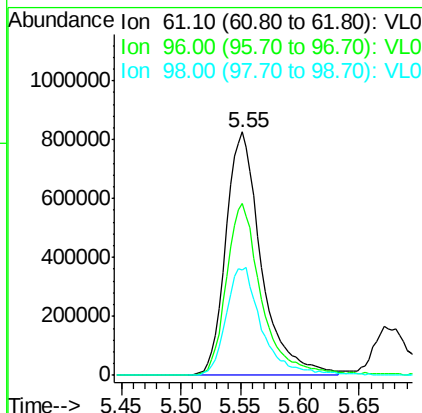
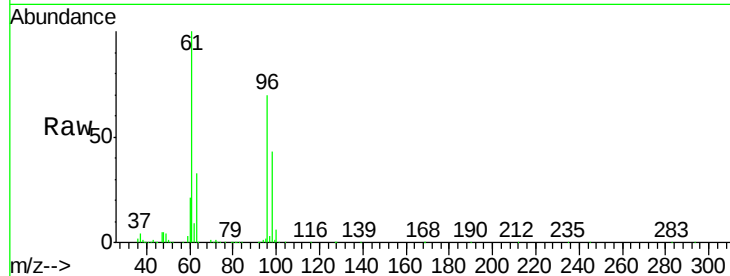
cis-1,2-Dichloroethene
Concen: 9.663 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	70.4	56.7	85.1
98	43.3	34.6	52.0

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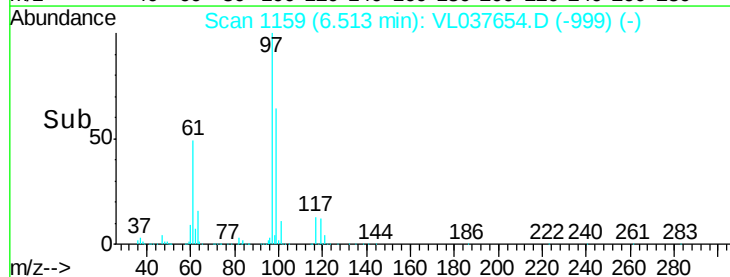
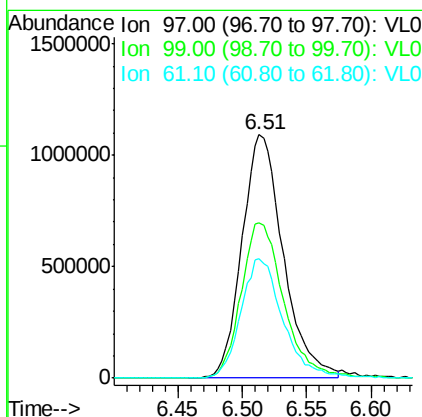
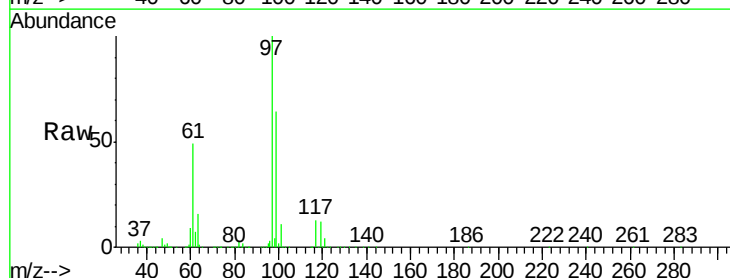
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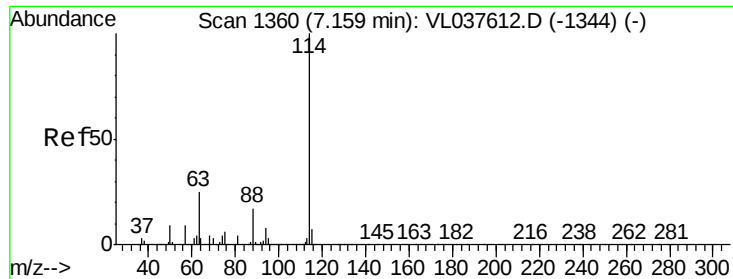


#32

1,1,1-Trichloroethane
Concen: 9.211 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.3	78.5
61	50.0	39.5	59.3





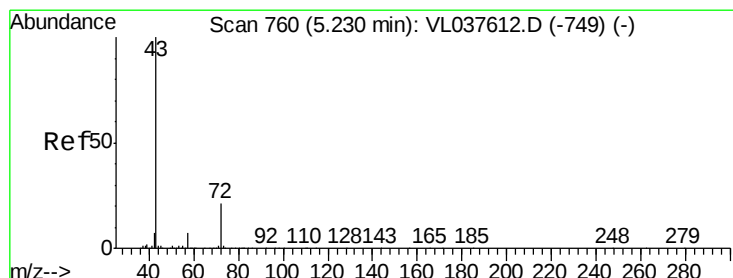
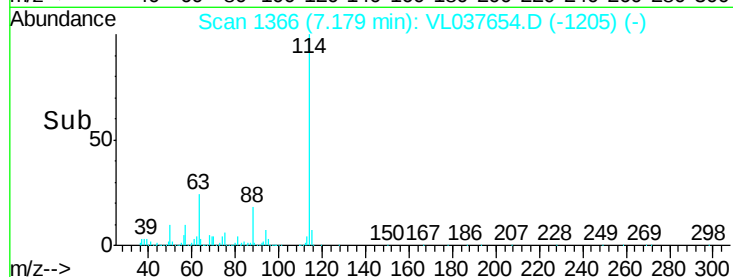
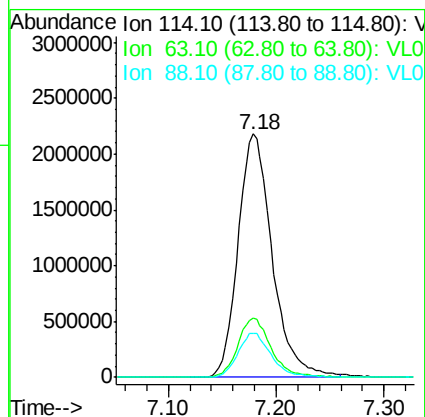
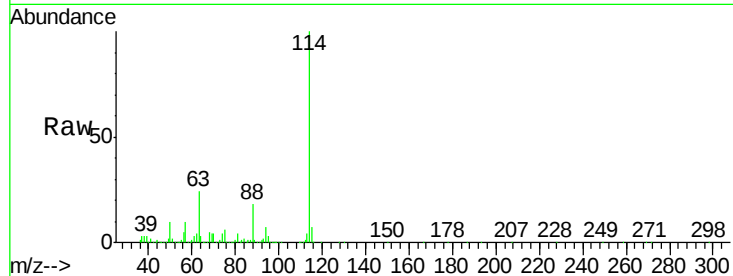
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 114 Resp: 4809559
 Ion Ratio Lower Upper
 114 100
 63 24.0 19.6 29.4
 88 17.9 14.2 21.4

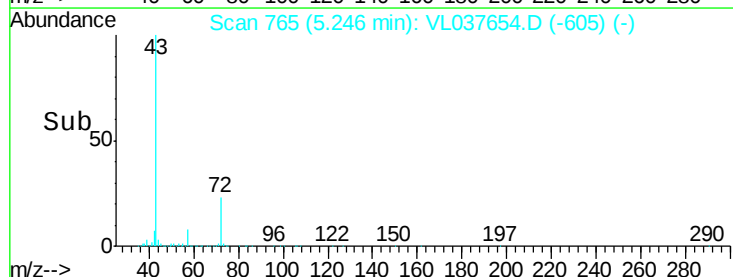
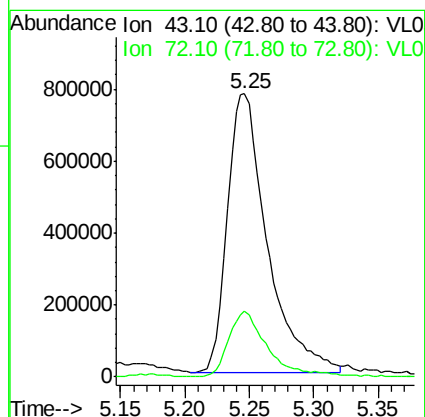
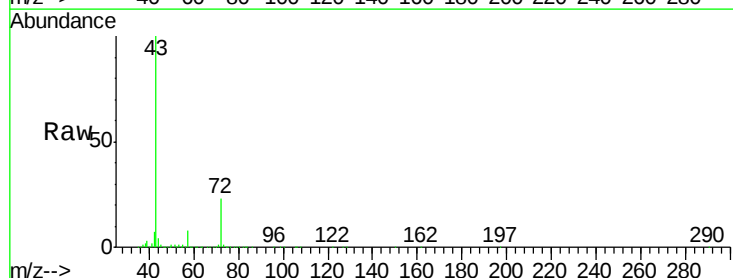
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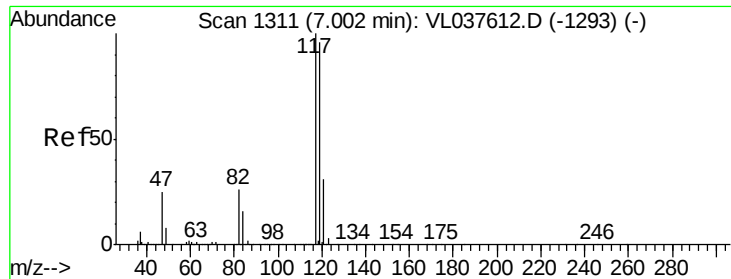
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#34
 2-Butanone
 Concen: 8.574 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 43 Resp: 1675793
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.292 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

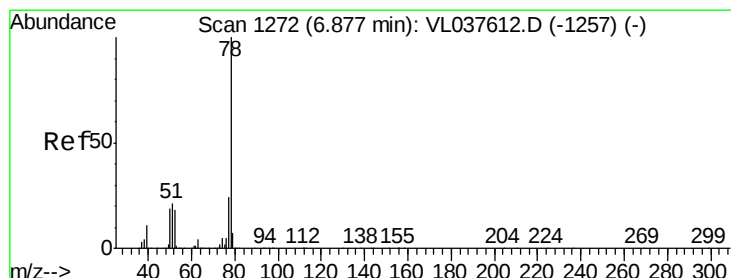
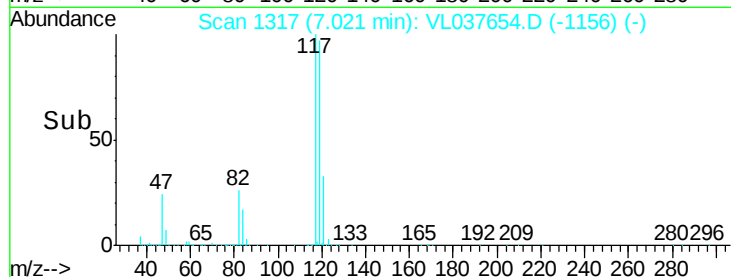
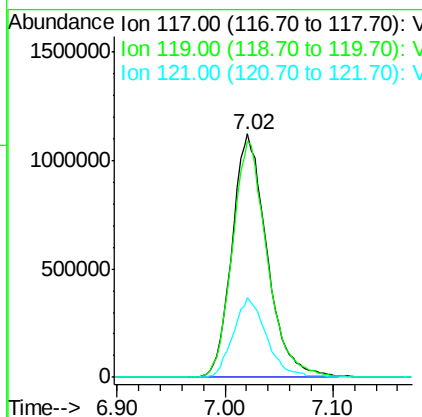
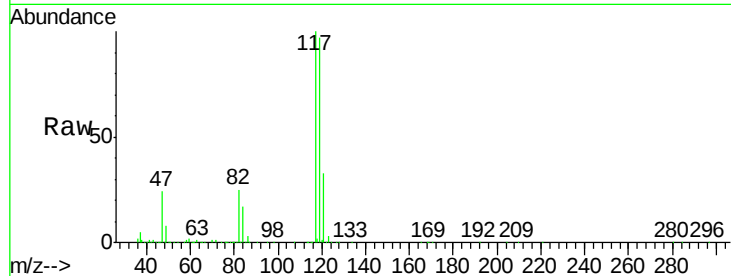
ClientSampleId :

VSTDCCC010

Tgt Ion:	117	Resp:	2528040
Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	33.0	24.5	36.7

Manual Integrations
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#36

Benzene

Concen: 9.355 ppbv

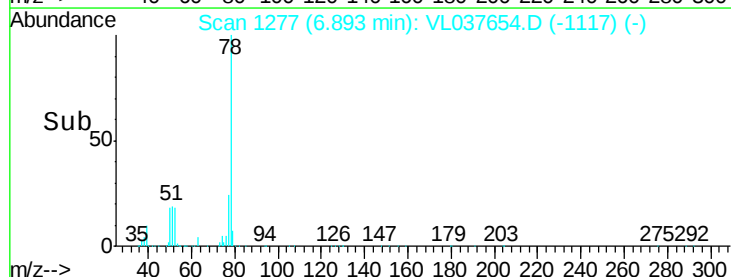
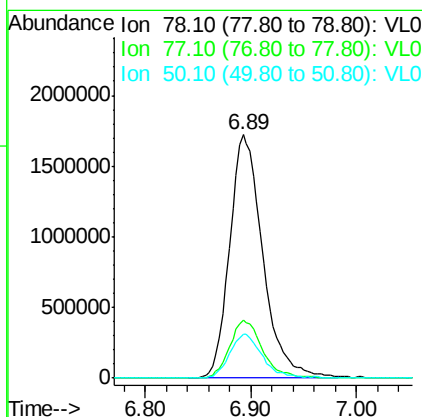
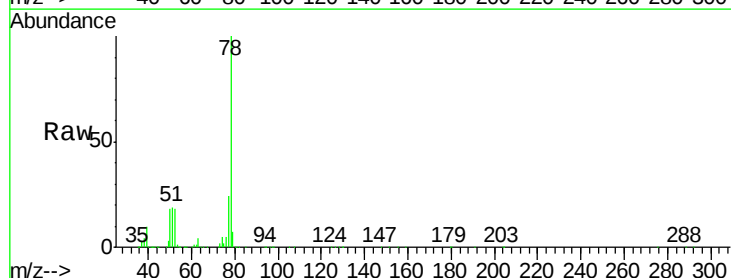
RT: 6.89 min Scan# 1277

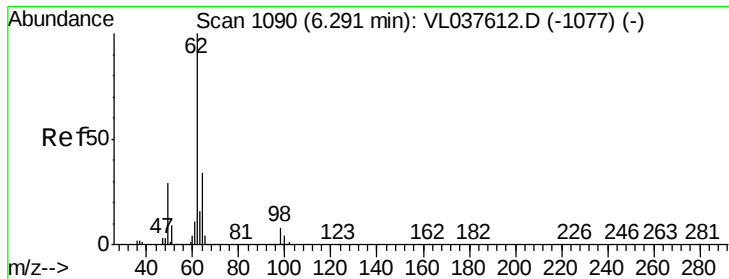
Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion:	78	Resp:	3751877
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.4
50	17.9	14.8	22.2





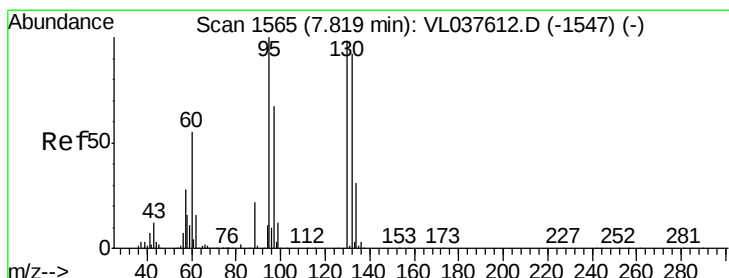
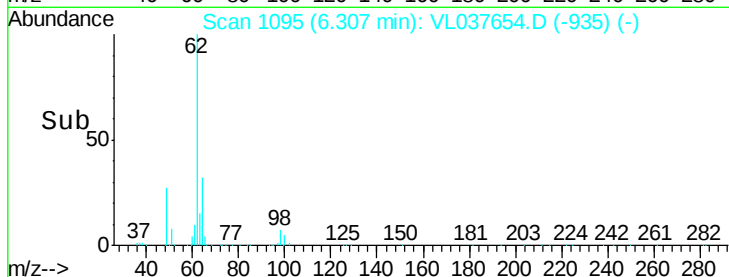
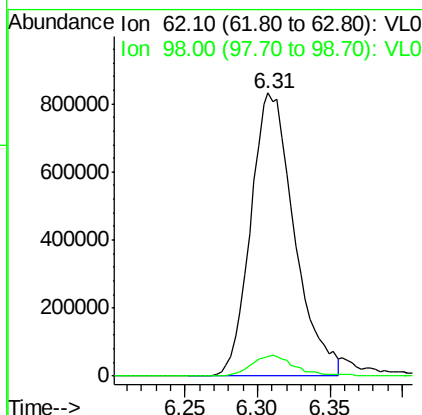
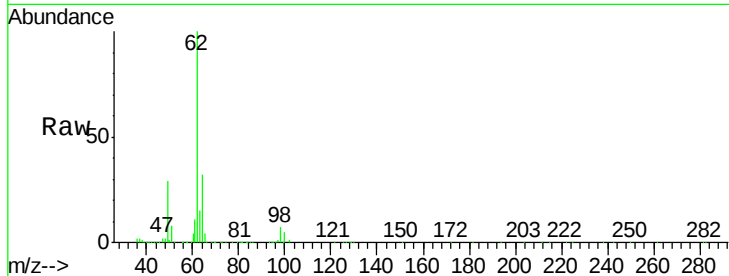
#37
 1,2-Dichloroethane
 Concen: 8.828 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 62 Resp: 1741364
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.1 9.1

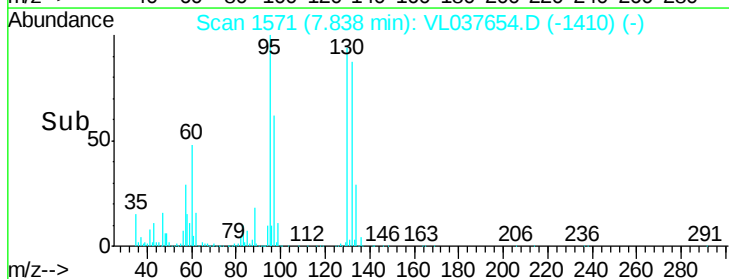
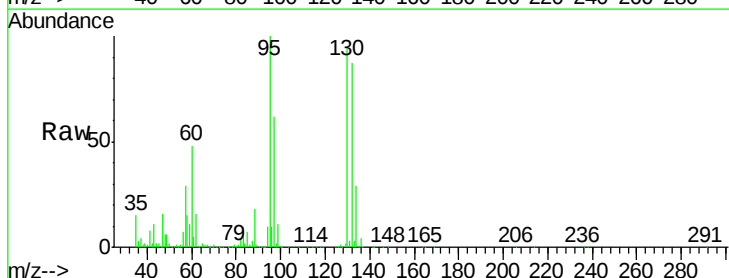
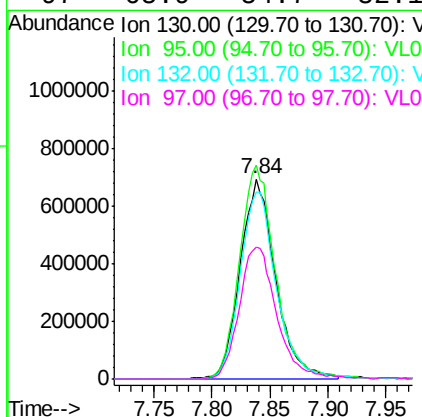
Manual Integrations
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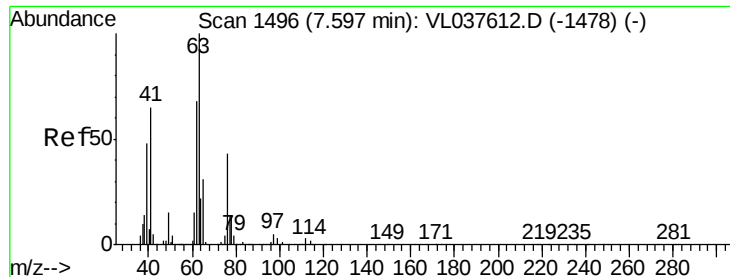
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#38
 Trichloroethene
 Concen: 8.740 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 130 Resp: 1464275
 Ion Ratio Lower Upper
 130 100
 95 106.8 81.8 122.6
 132 93.3 75.3 112.9
 97 65.9 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.228 ppbv

RT: 7.62 min Scan# 1502

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 63 Resp: 1417469

Ion Ratio Lower Upper

63 100

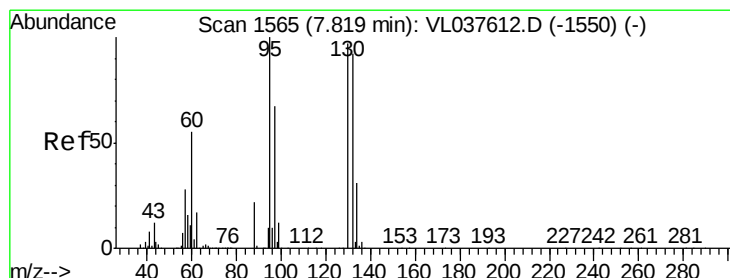
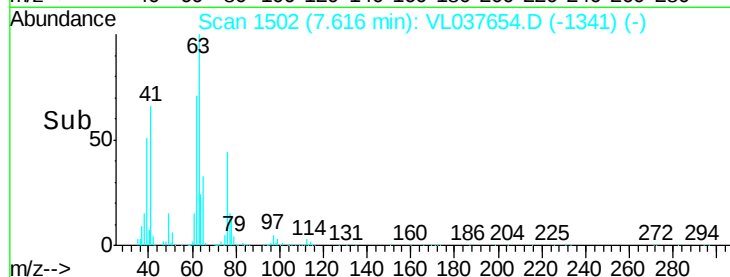
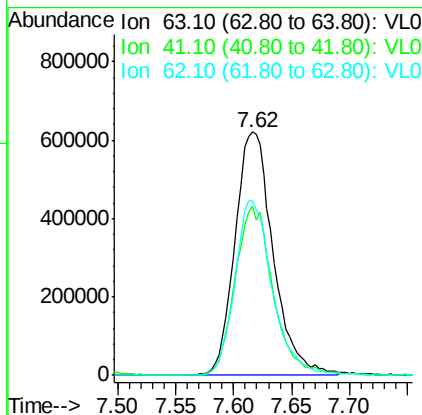
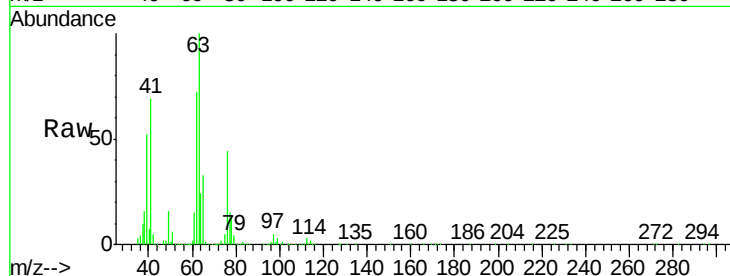
41 69.3 51.6 77.4

62 71.5 54.6 81.8

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#40

1,4-Dioxane

Concen: 9.704 ppbv m

RT: 7.83 min Scan# 1570

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Tgt Ion: 88 Resp: 362609

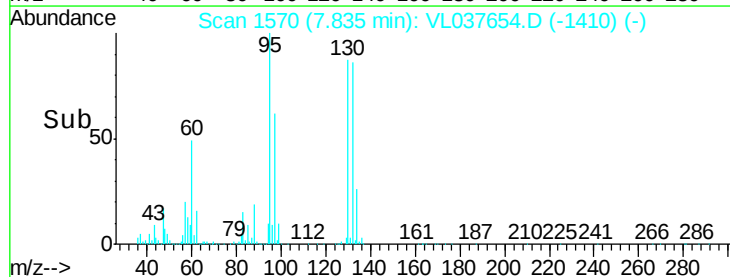
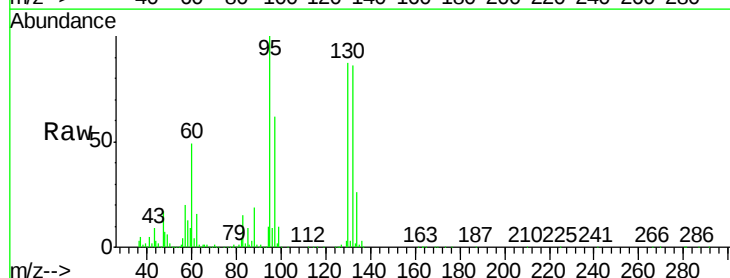
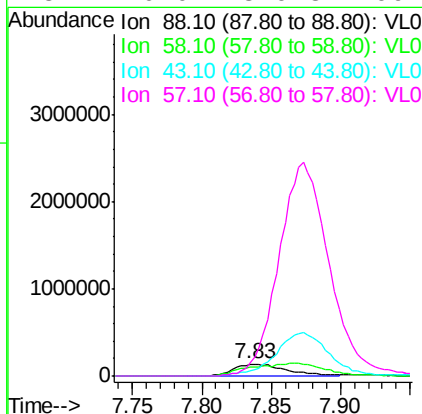
Ion Ratio Lower Upper

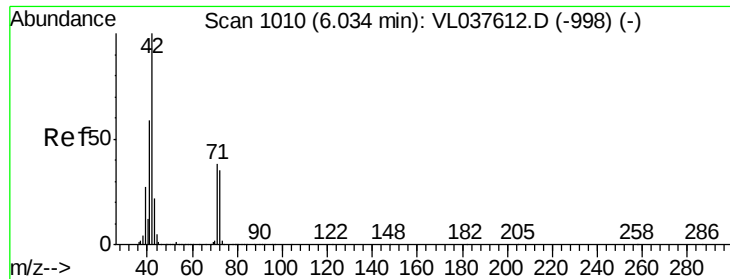
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





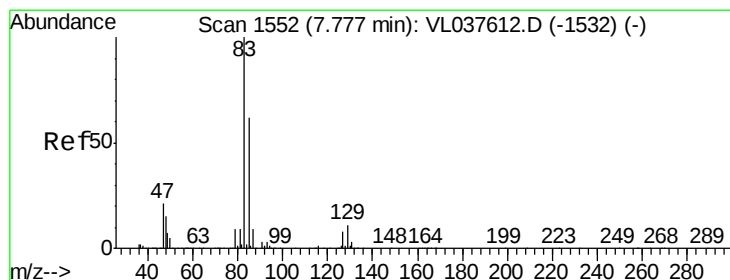
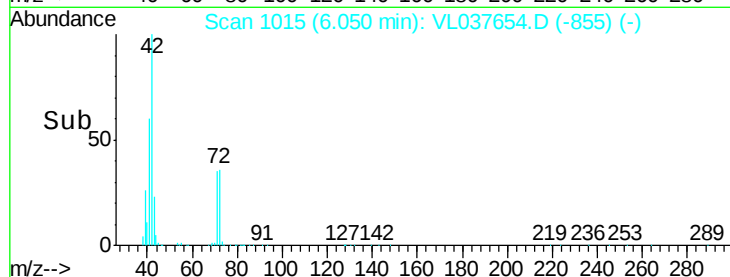
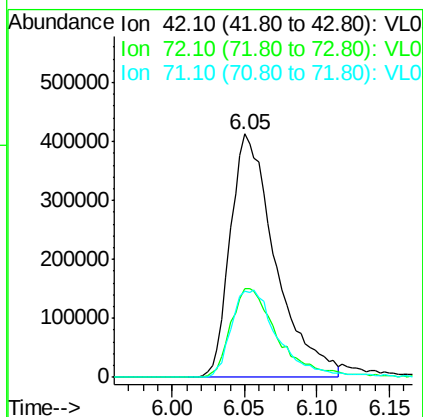
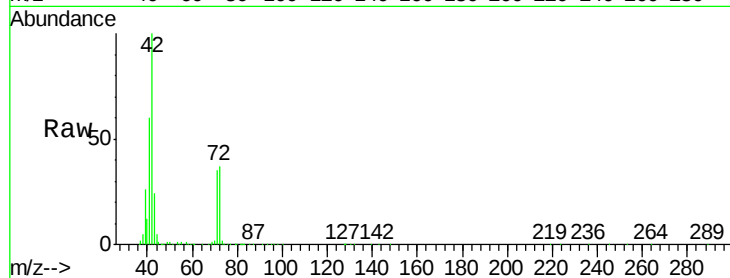
#41
Tetrahydrofuran
Concen: 9.695 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.6	31.4	47.2
71	37.8	30.6	46.0

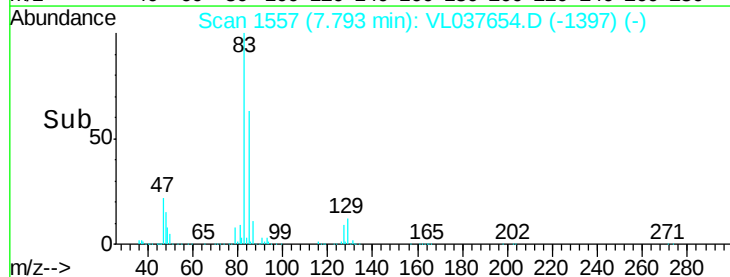
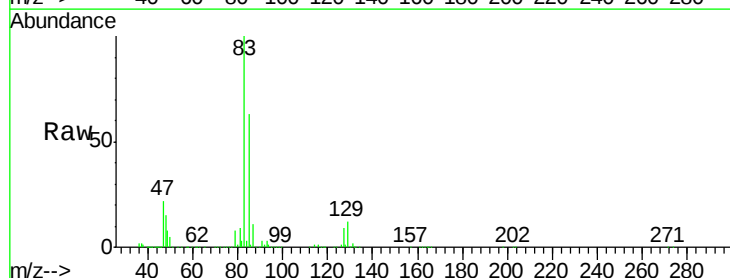
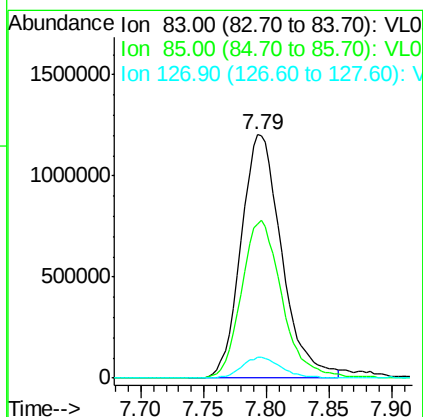
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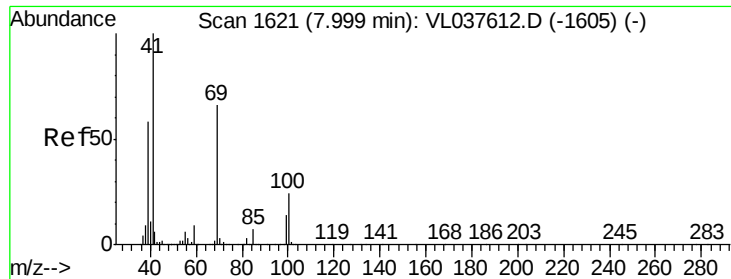
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#42
Bromodichloromethane
Concen: 9.590 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	49.8	74.6
127	8.5	6.4	9.6





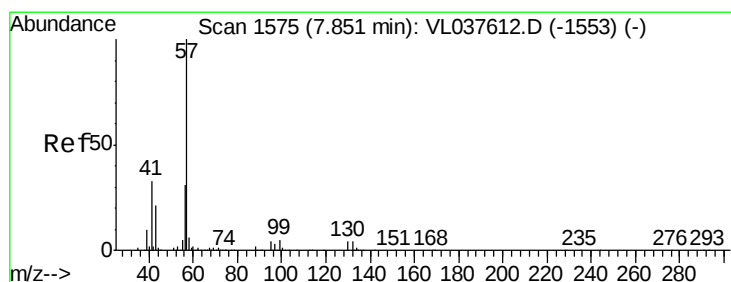
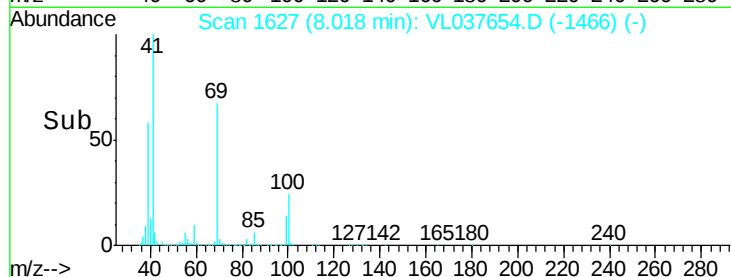
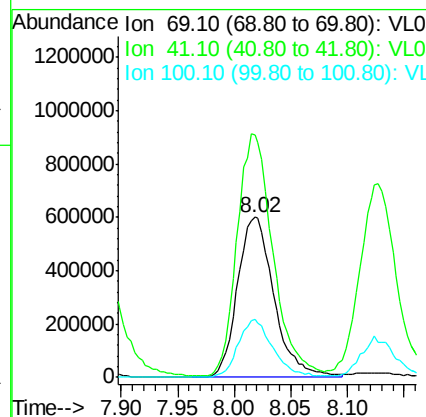
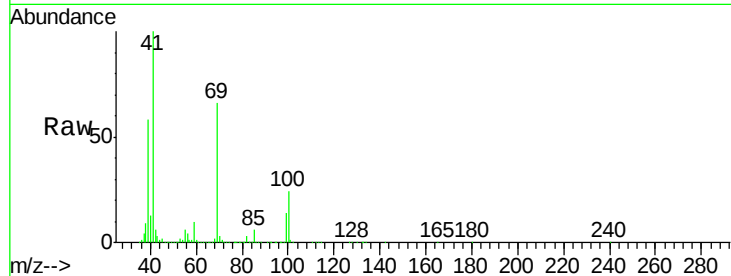
#43
Methyl Methacrylate
Concen: 10.138 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1352640
Ion Ratio Lower Upper
69 100
41 150.1 119.0 178.4
100 34.7 27.6 41.4

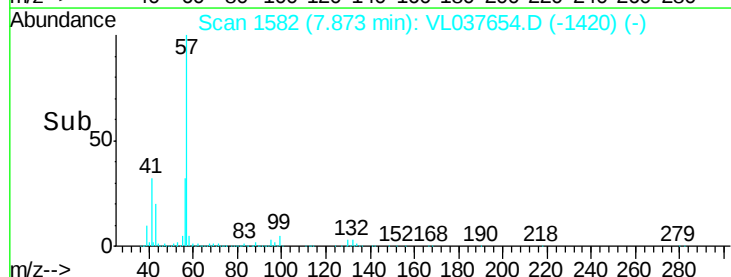
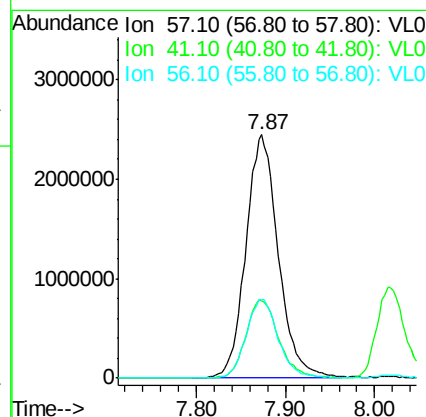
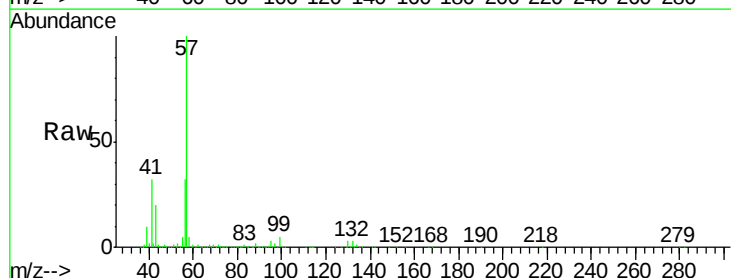
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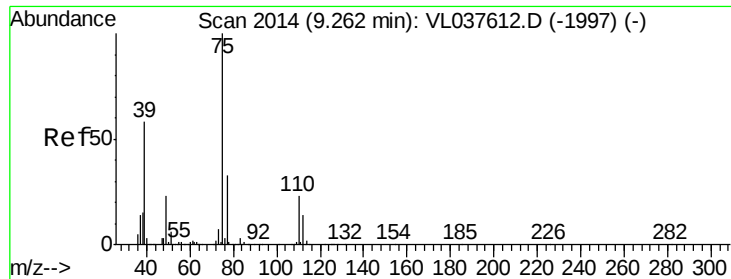
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#44
2,2,4-Trimethylpentane
Concen: 9.191 ppbv
RT: 7.87 min Scan# 1582
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 57 Resp: 6197114
Ion Ratio Lower Upper
57 100
41 32.8 26.1 39.1
56 31.9 25.7 38.5





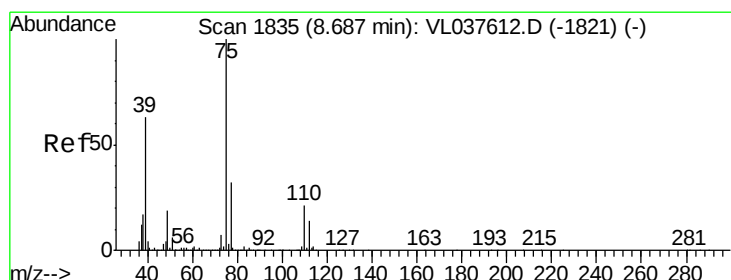
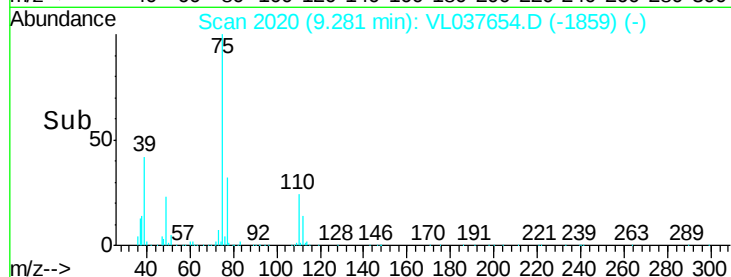
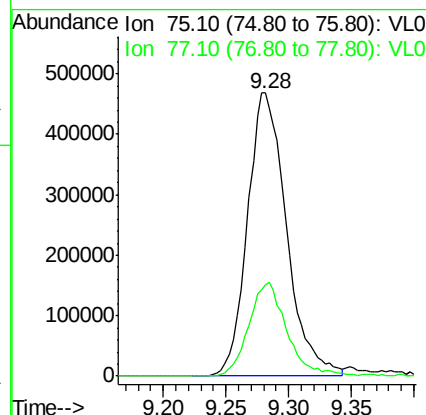
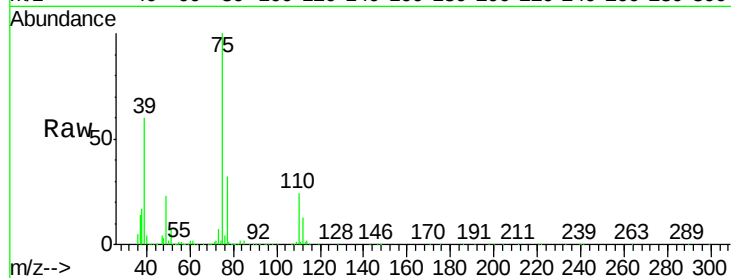
#45
t-1,3-Dichloropropene
Concen: 9.648 ppbv
RT: 9.28 min Scan# 2020
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 1011141
Ion Ratio Lower Upper
75 100
77 32.3 26.3 39.5

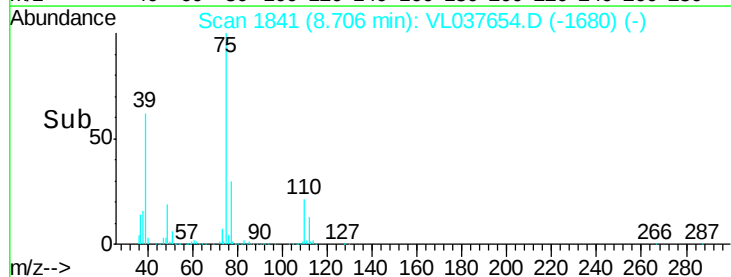
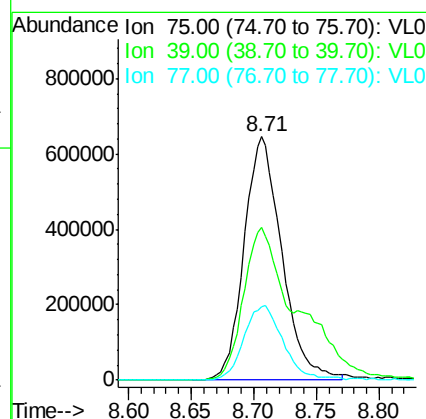
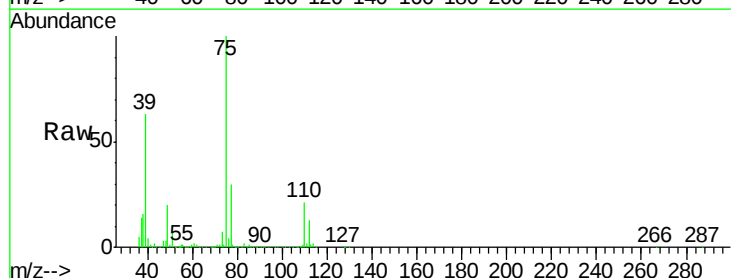
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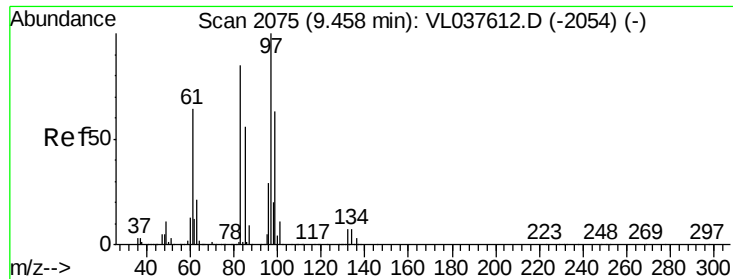
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.548 ppbv
RT: 8.71 min Scan# 1841
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 75 Resp: 1351691
Ion Ratio Lower Upper
75 100
39 62.5 50.2 75.4
77 30.3 25.2 37.8





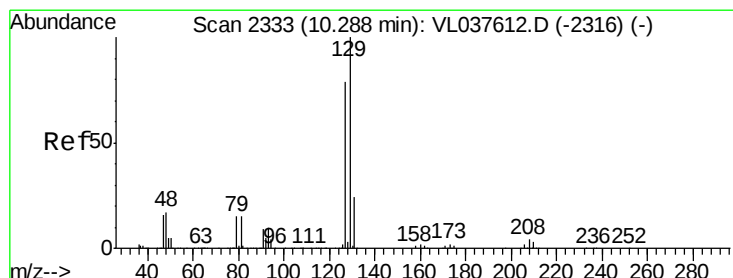
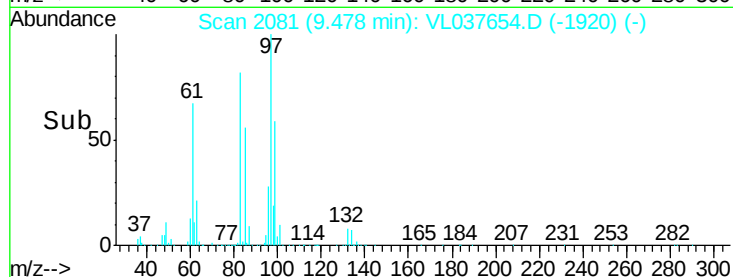
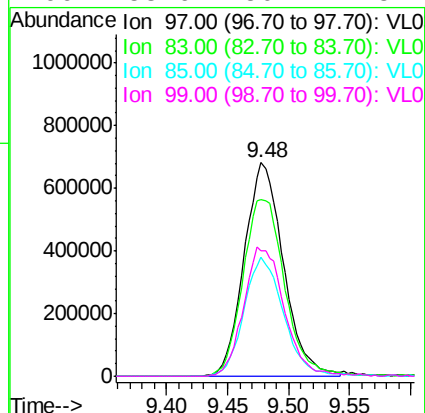
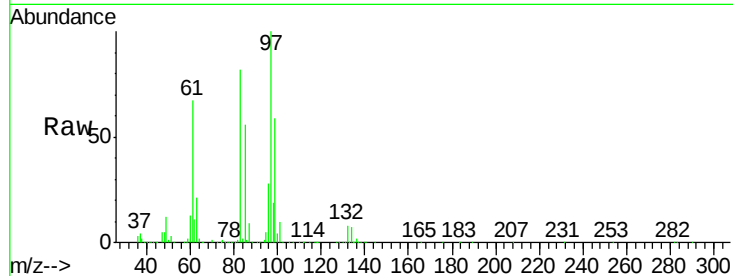
#47
 1,1,2-Trichloroethane
 Concen: 8.895 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1511422
 Ion Ratio Lower Upper
 97 100
 83 82.4 67.9 101.9
 85 55.9 44.8 67.2
 99 58.6 50.1 75.1

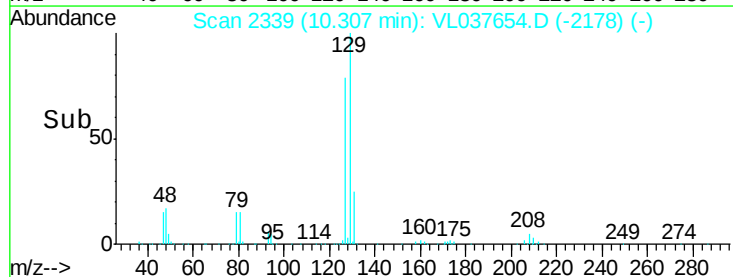
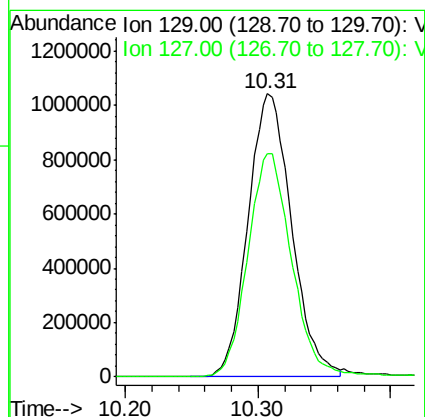
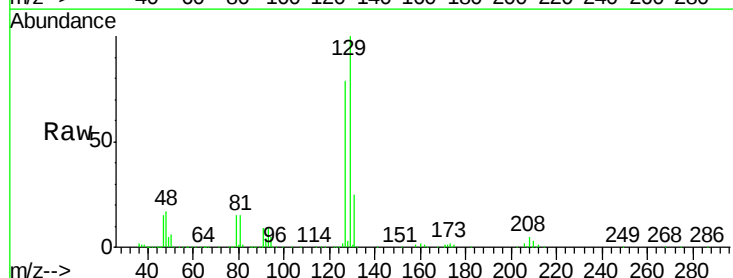
Manual Integrations
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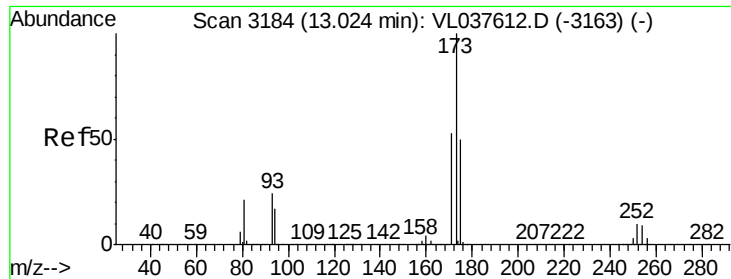
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#48
 Dibromochloromethane
 Concen: 10.037 ppbv
 RT: 10.31 min Scan# 2339
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 129 Resp: 2379240
 Ion Ratio Lower Upper
 129 100
 127 80.2 39.3 117.8





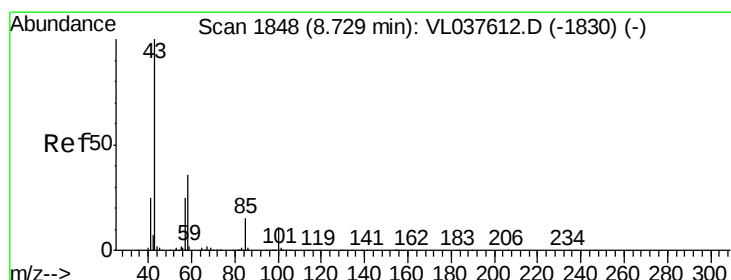
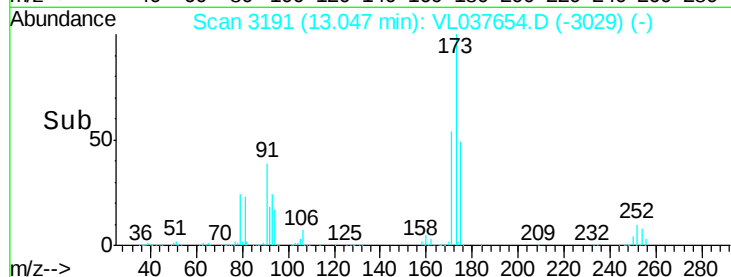
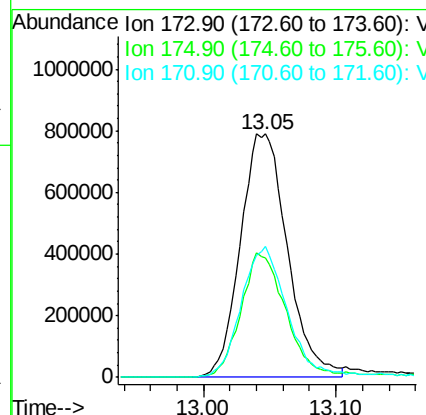
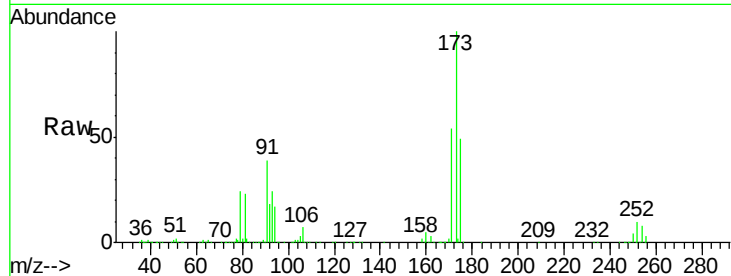
#49
Bromoform
Concen: 10.250 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:173 Resp: 1944738
Ion Ratio Lower Upper
173 100
175 51.5 39.8 59.8
171 55.0 42.2 63.4

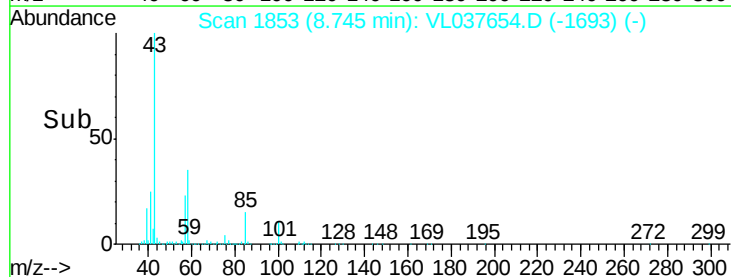
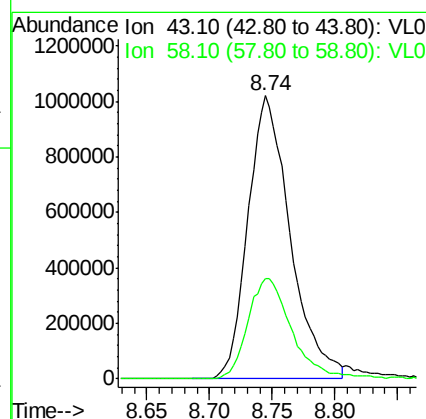
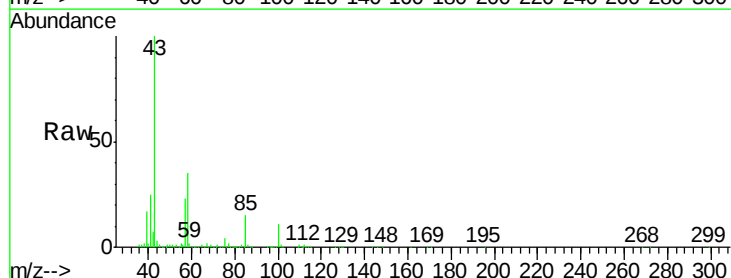
Manual Integrations
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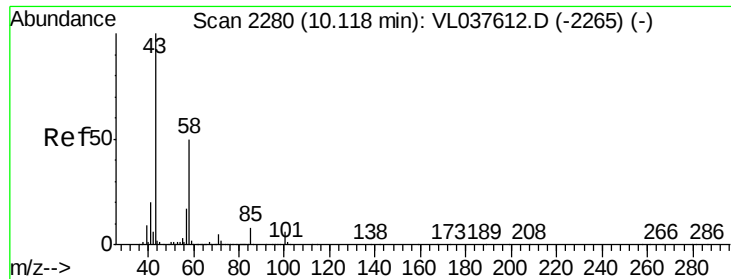
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#50
4-Methyl-2-Pentanone
Concen: 9.638 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 43 Resp: 2391032
Ion Ratio Lower Upper
43 100
58 37.5 29.4 44.2





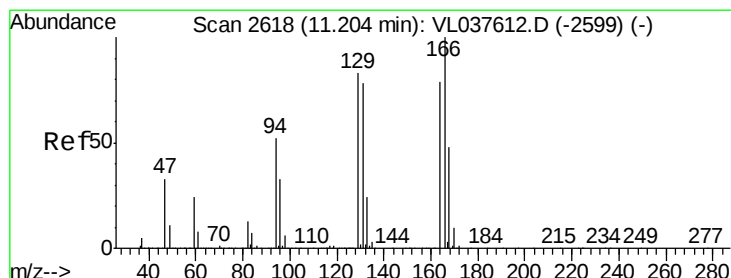
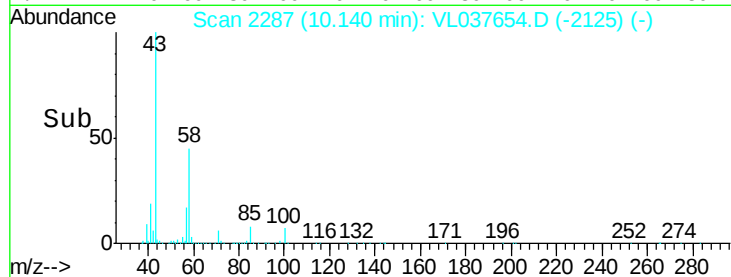
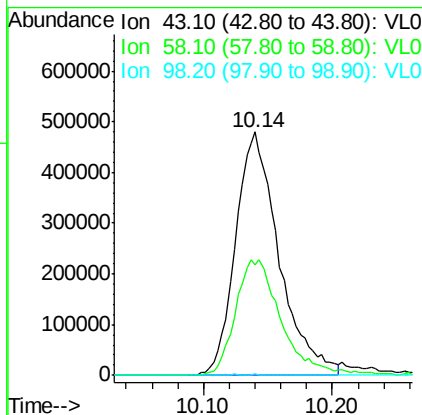
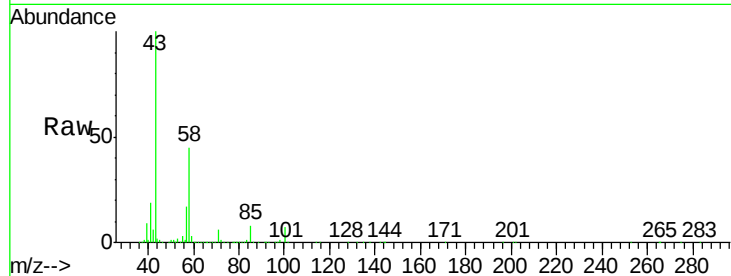
#51
2-Hexanone
Concen: 10.256 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1122553
Ion Ratio Lower Upper
43 100
58 50.7 39.3 58.9
98 0.5 0.4 0.6

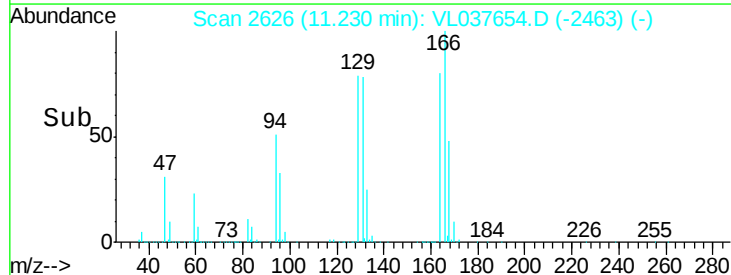
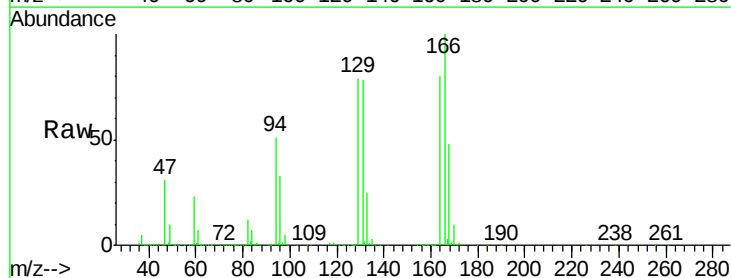
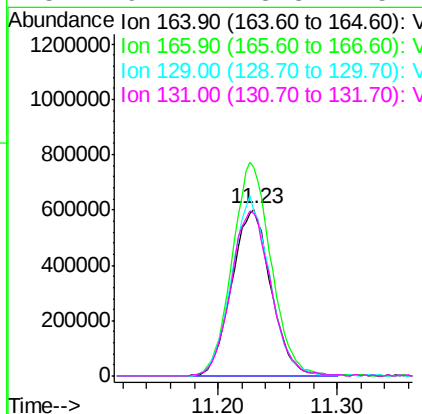
Manual Integrations
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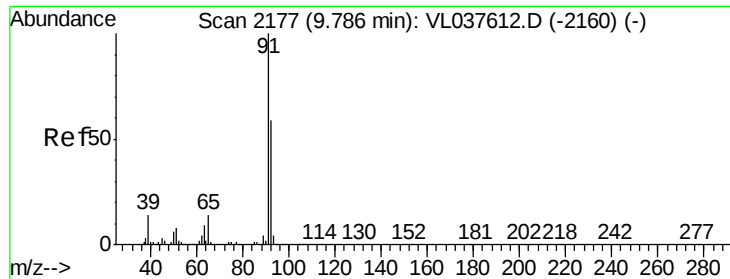
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#52
Tetrachloroethene
Concen: 8.922 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 164 Resp: 1373683
Ion Ratio Lower Upper
164 100
166 124.7 101.2 151.8
129 99.1 84.0 126.0
131 97.1 78.8 118.2





#53

Toluene

Concen: 9.713 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.02 min

Lab File: VL037654.D

Acq: 23 Sep 2021 9:32

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 4330110

Ion Ratio Lower Upper

91 100

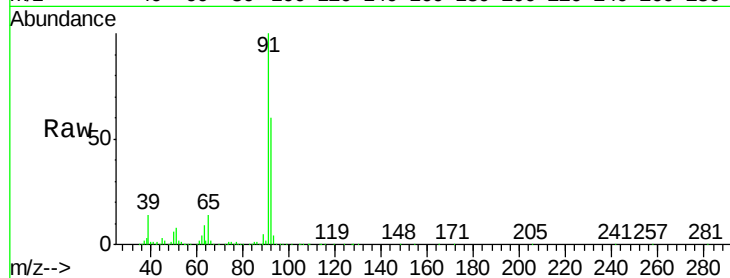
92 60.0 48.9 73.3

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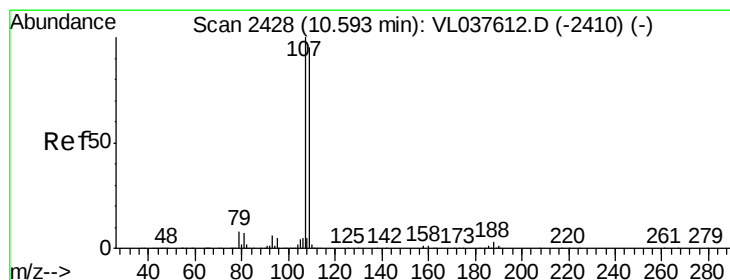
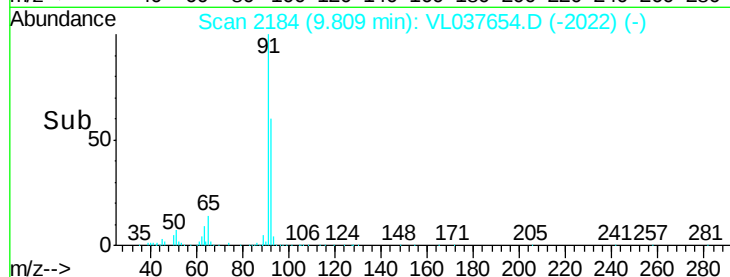
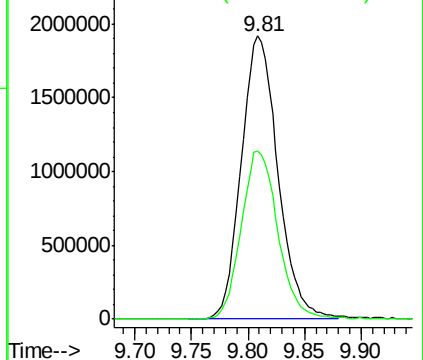
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 9.171 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.02 min

Lab File: VL037654.D

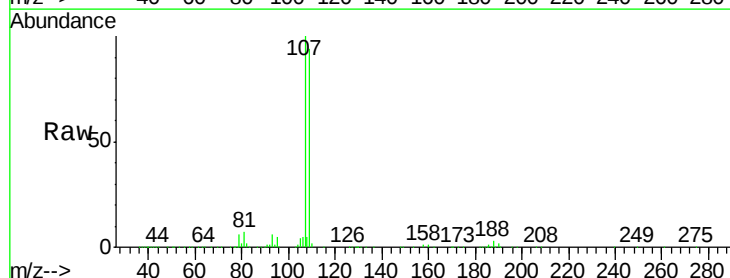
Acq: 23 Sep 2021 9:32

Tgt Ion: 107 Resp: 2133716

Ion Ratio Lower Upper

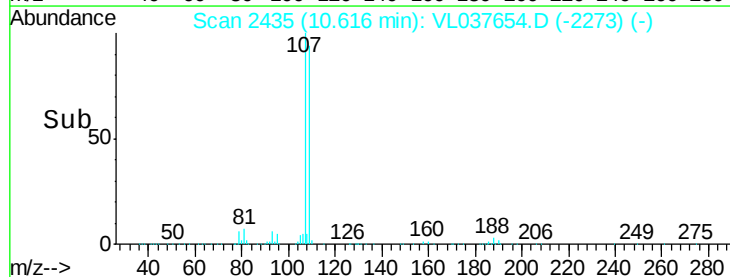
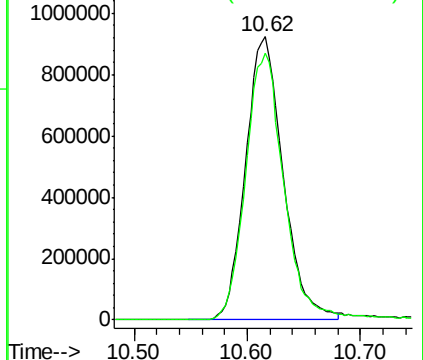
107 100

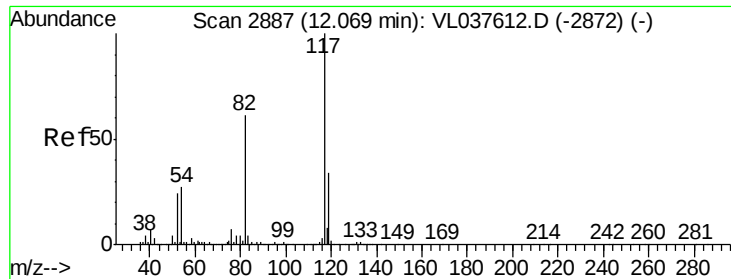
109 94.3 76.0 114.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





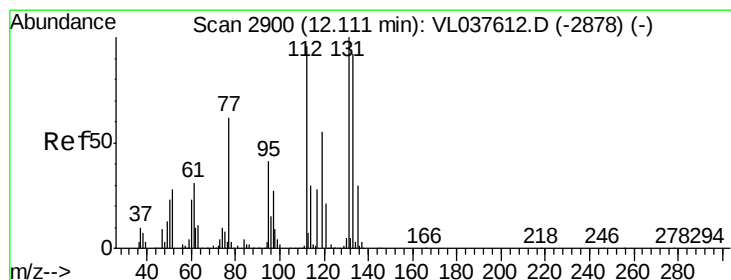
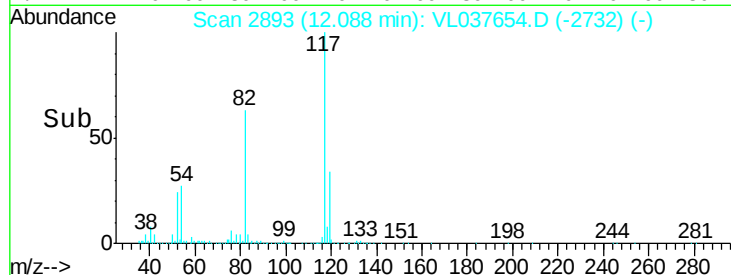
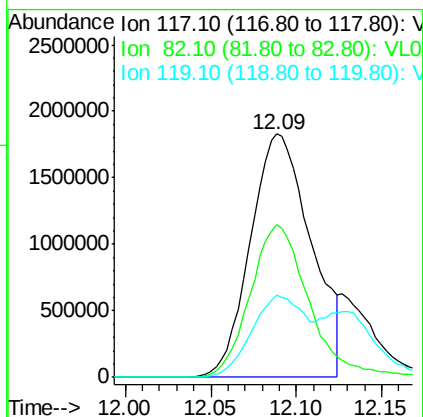
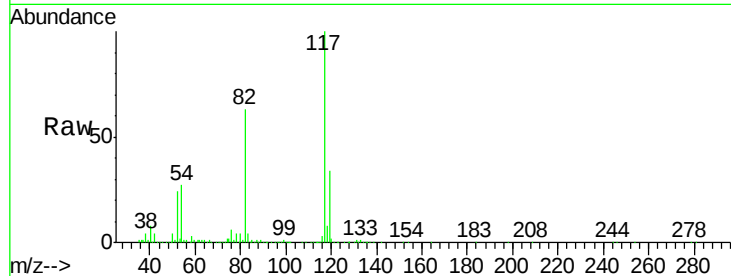
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 4525486
Ion Ratio Lower Upper
117 100
82 61.4 50.6 75.8
119 30.4 26.2 39.2

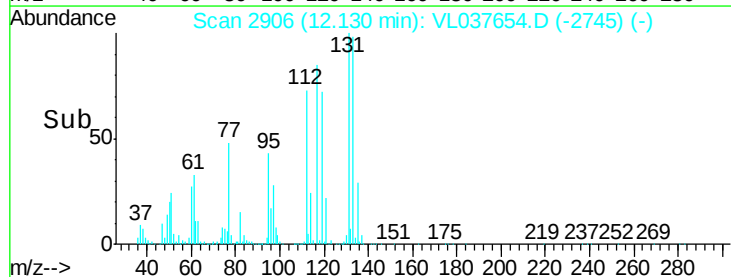
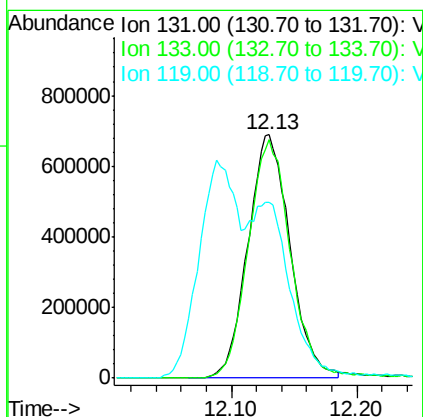
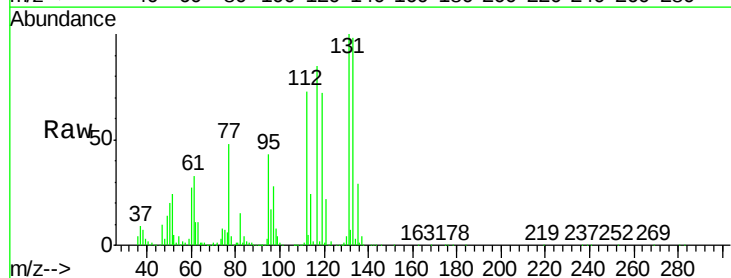
Manual Integrations
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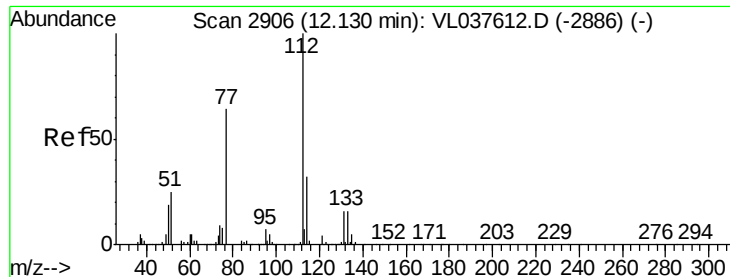
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.584 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion:131 Resp: 1611261
Ion Ratio Lower Upper
131 100
133 98.6 76.8 115.2
119 68.4 47.8 71.8





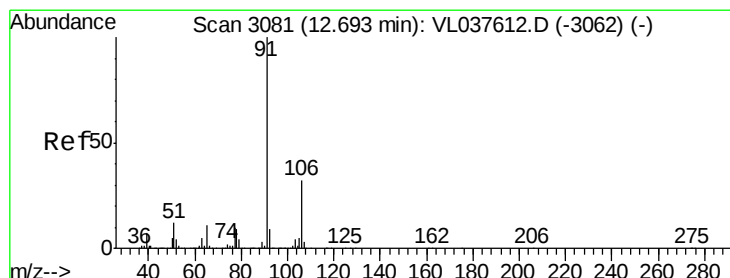
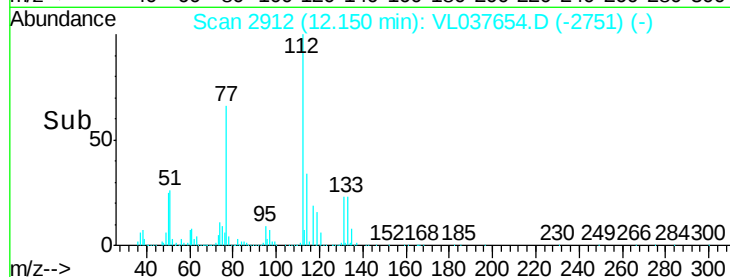
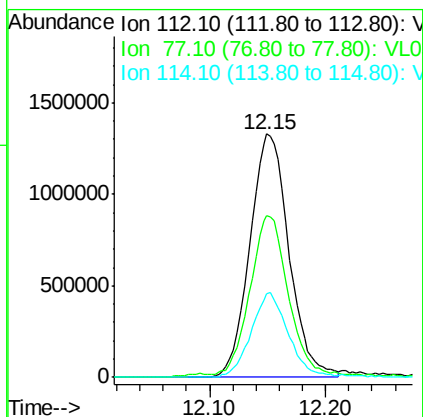
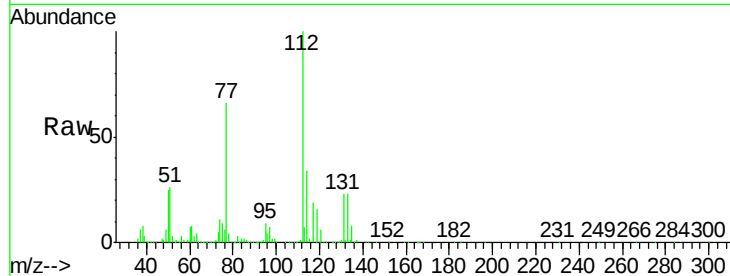
#57
Chlorobenzene
Concen: 8.282 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 112 Resp: 3116105
Ion Ratio Lower Upper
112 100
77 65.3 52.1 78.1
114 34.3 29.2 35.6

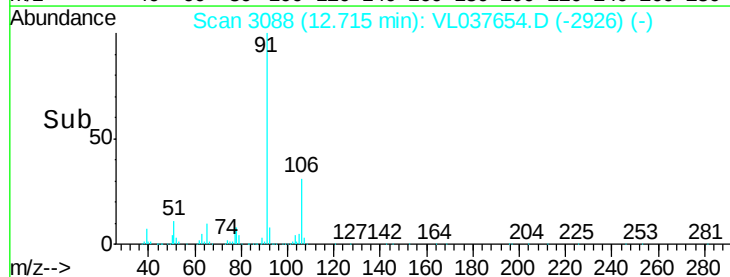
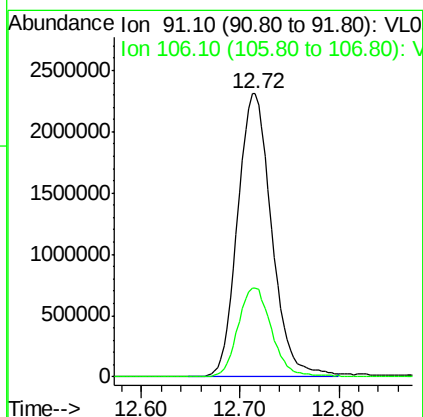
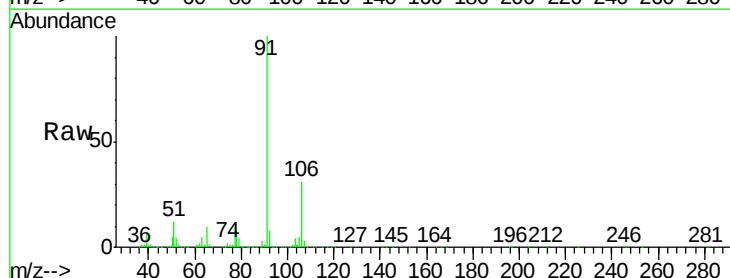
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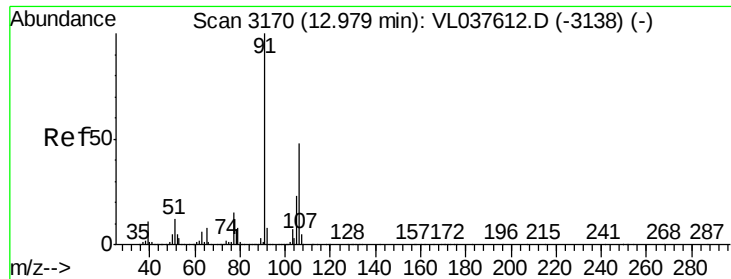
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#58
Ethyl Benzene
Concen: 9.230 ppbv
RT: 12.72 min Scan# 3088
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 91 Resp: 5544786
Ion Ratio Lower Upper
91 100
106 31.4 25.3 37.9





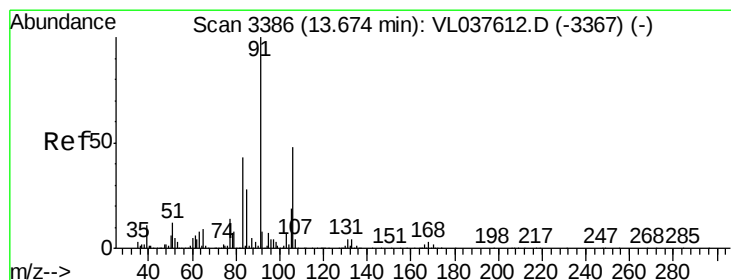
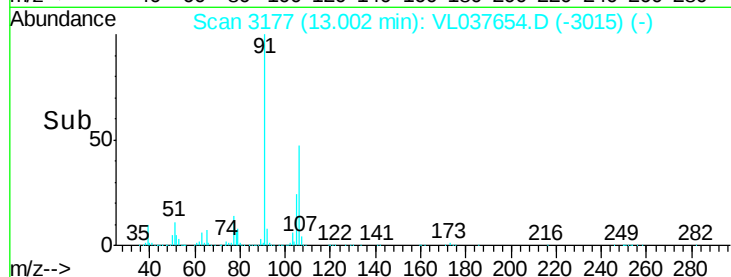
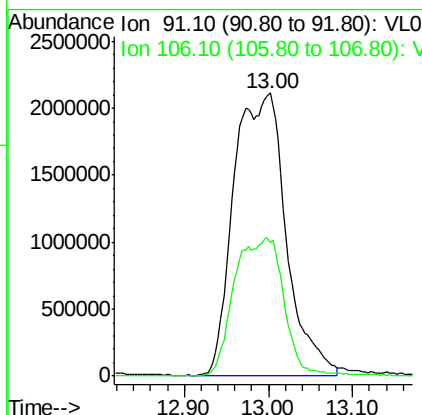
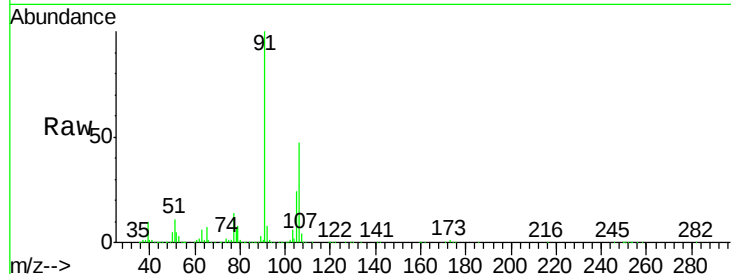
#59
m/p-Xylene
Concen: 17.358 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 9087163
Ion Ratio Lower Upper
91 100
106 46.4 36.6 55.0

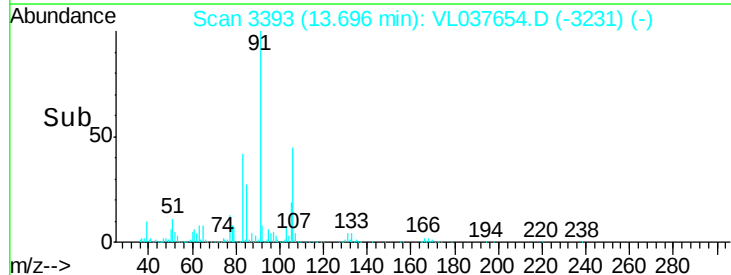
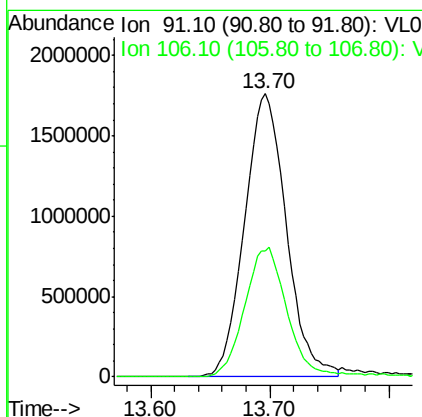
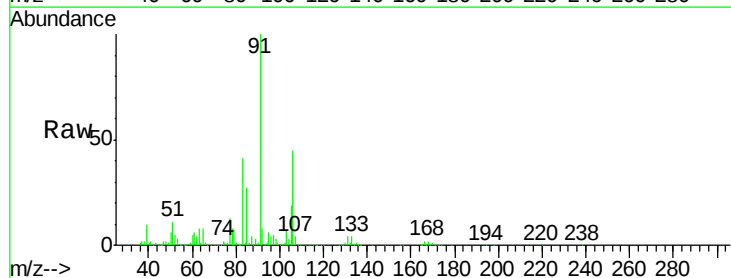
Manual Integrations
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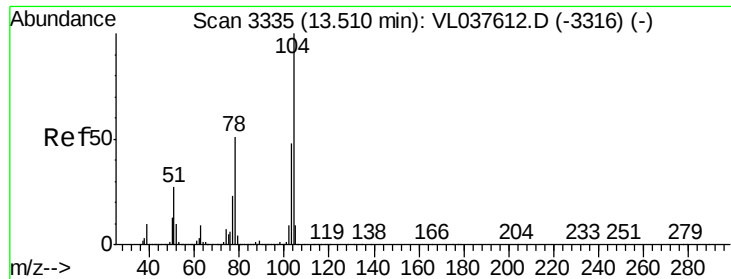
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#60
o-Xylene
Concen: 8.577 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 91 Resp: 4273698
Ion Ratio Lower Upper
91 100
106 47.0 23.0 69.0





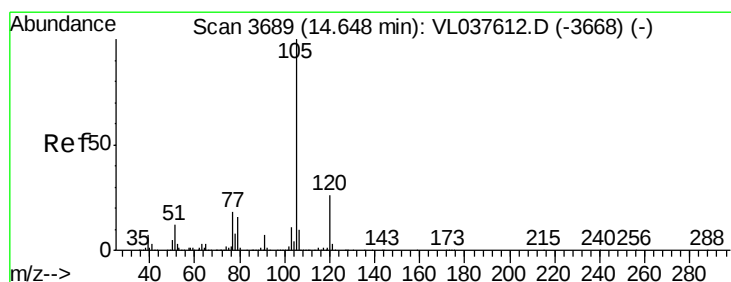
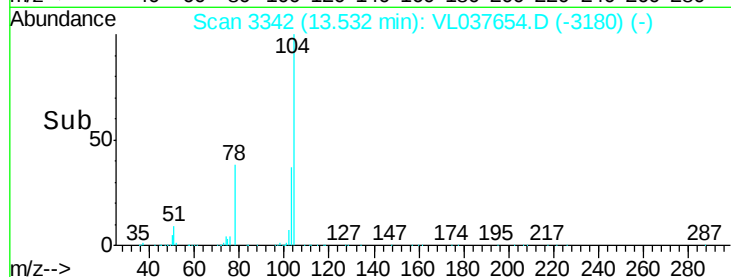
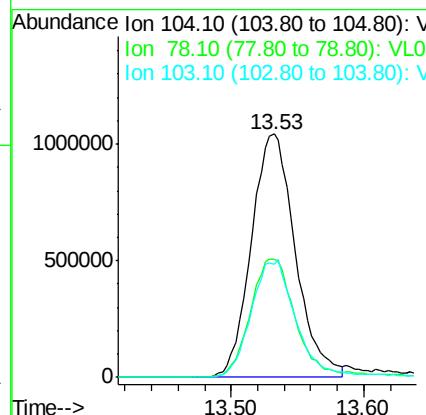
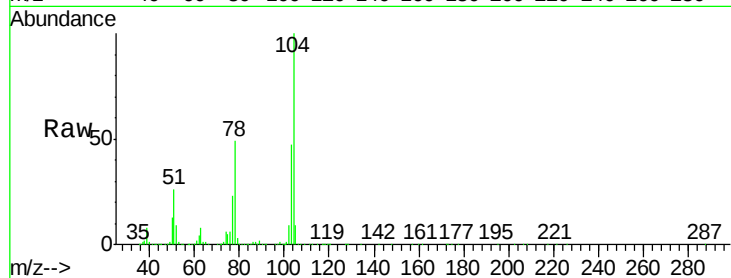
#61
Styrene
Concen: 9.817 ppbv
RT: 13.53 min Scan# 3342
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2412030
Ion Ratio Lower Upper
104 100
78 50.9 39.7 59.5
103 49.5 38.8 58.2

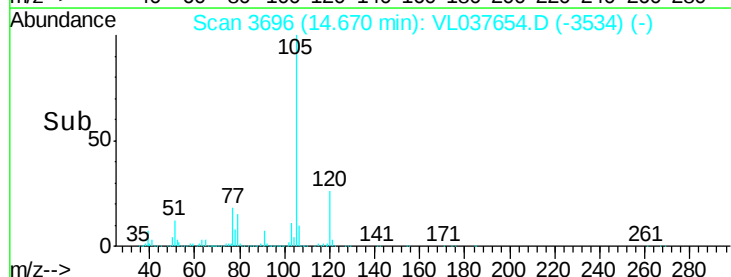
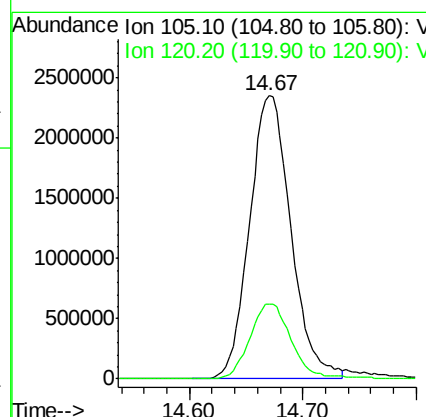
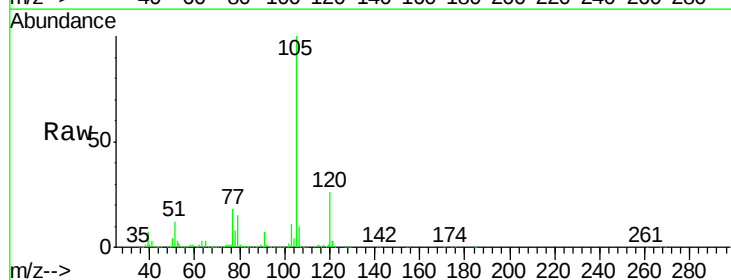
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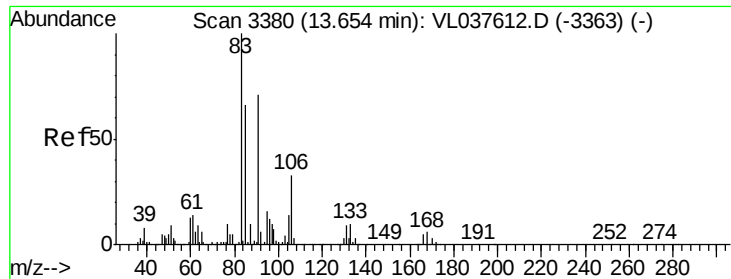
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#62
Isopropylbenzene
Concen: 8.589 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion:105 Resp: 5978889
Ion Ratio Lower Upper
105 100
120 26.9 21.4 32.0





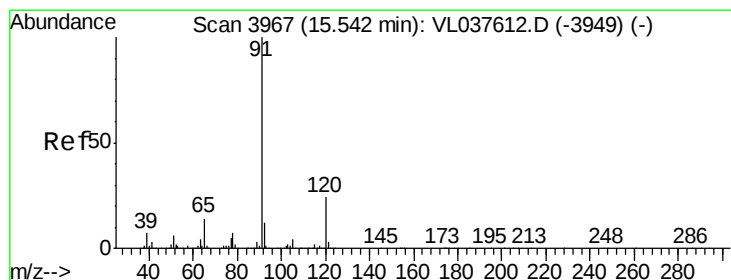
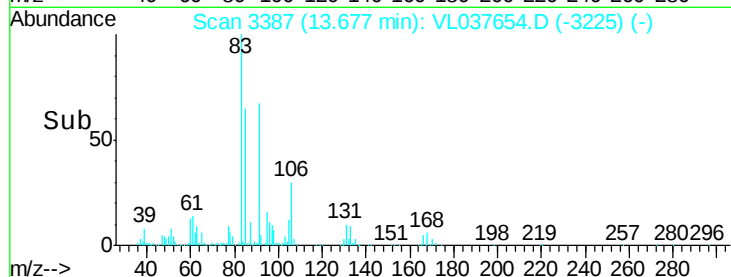
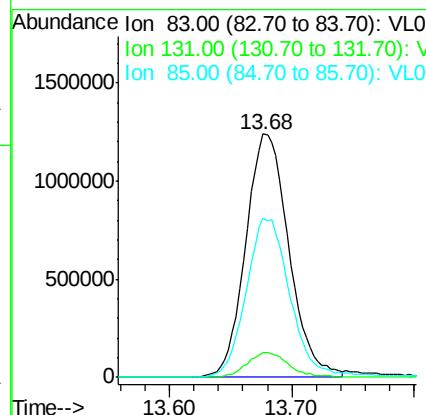
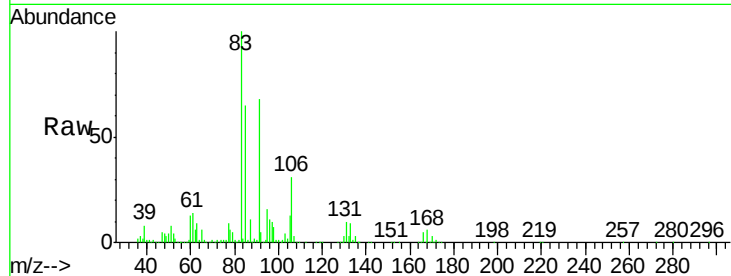
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.737 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 3017025
 Ion Ratio Lower Upper
 83 100
 131 10.2 5.1 15.3
 85 68.1 33.3 99.9

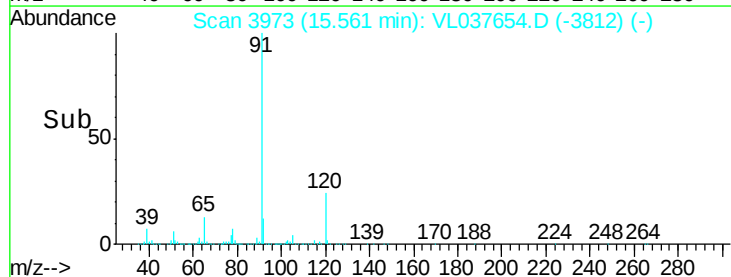
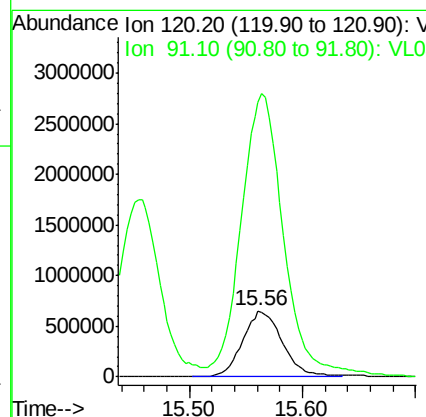
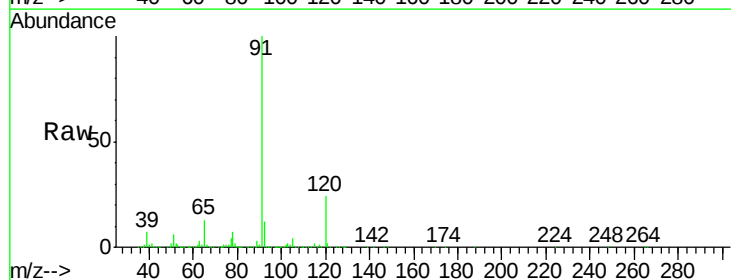
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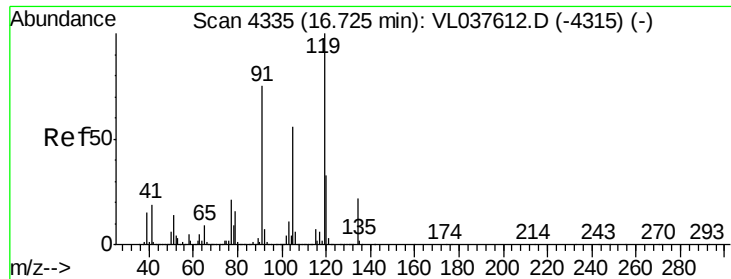
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#64
 n-propylbenzene
 Concen: 8.861 ppbv
 RT: 15.56 min Scan# 3973
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 120 Resp: 1591669
 Ion Ratio Lower Upper
 120 100
 91 460.9 345.0 517.4





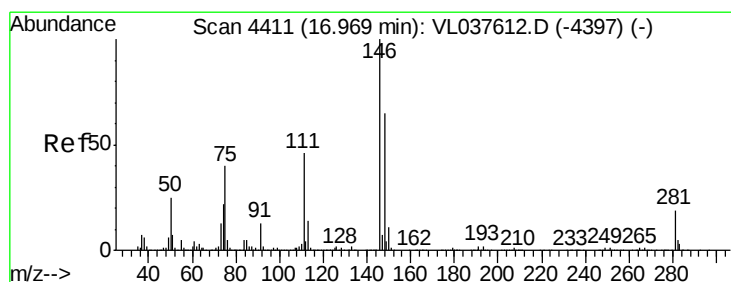
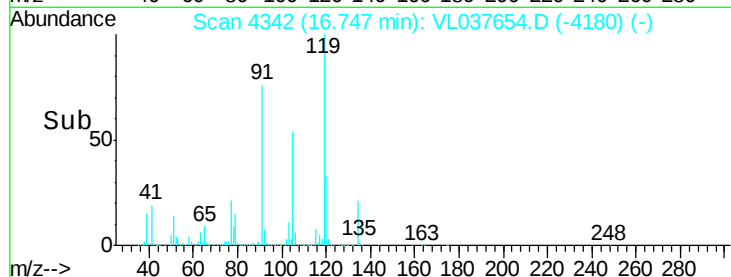
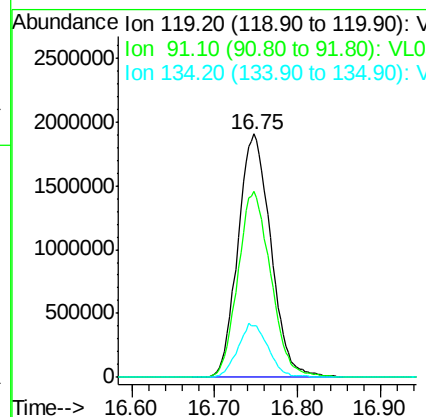
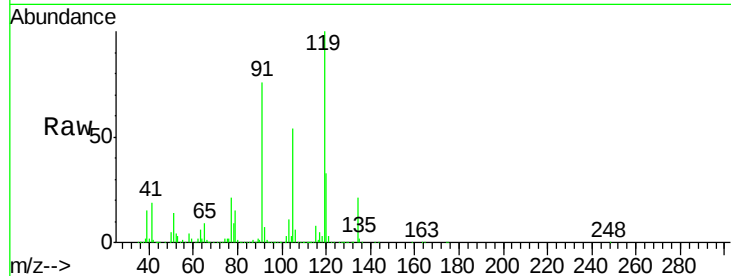
#65
tert-Butylbenzene
Concen: 8.378 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 5257831
Ion Ratio Lower Upper
119 100
91 76.6 61.9 92.9
134 20.4 16.5 24.7

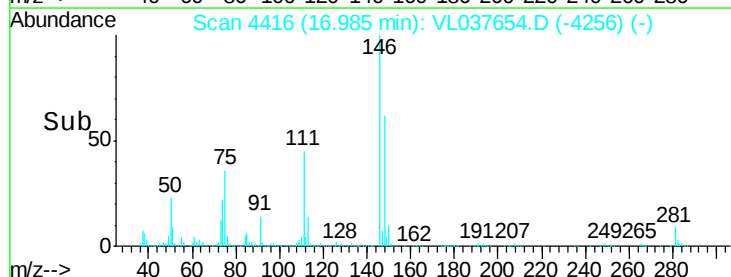
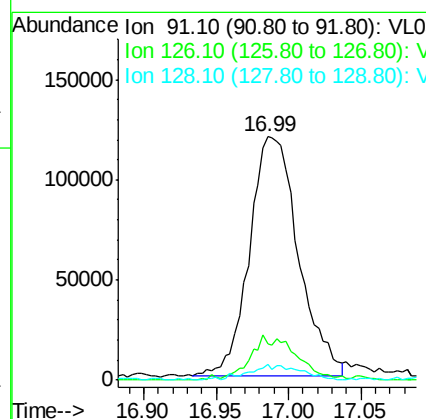
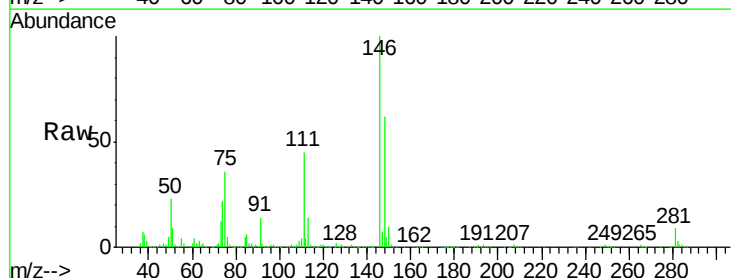
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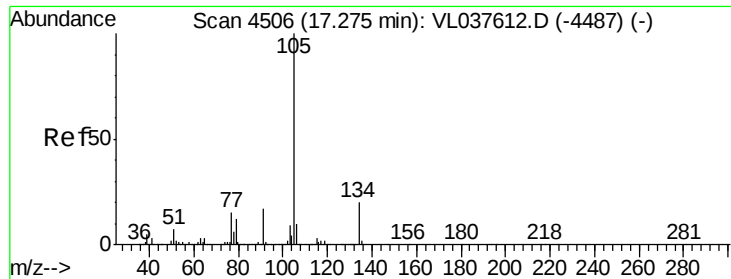
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#66
Benzyl Chloride
Concen: 8.217 ppbv
RT: 16.99 min Scan# 4416
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 91 Resp: 281815
Ion Ratio Lower Upper
91 100
126 18.4 14.4 21.6
128 7.2 5.7 8.5





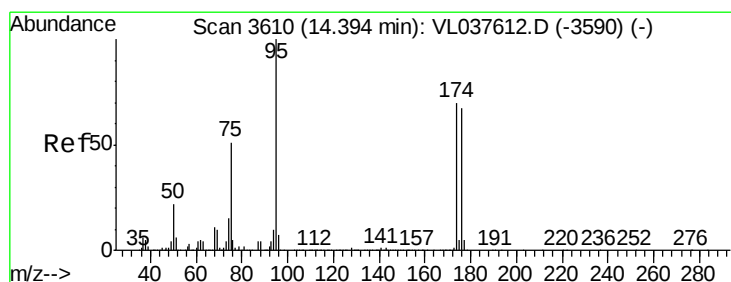
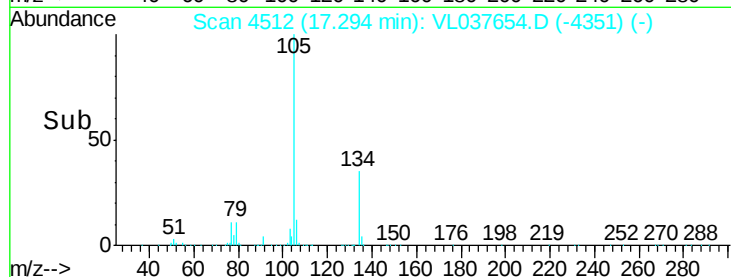
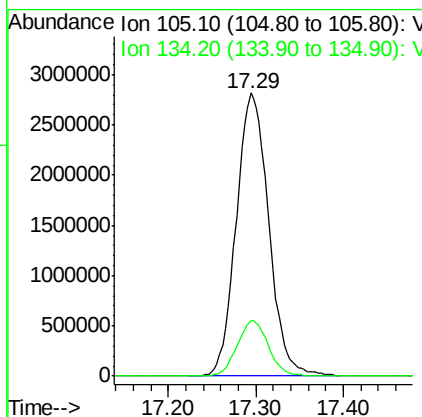
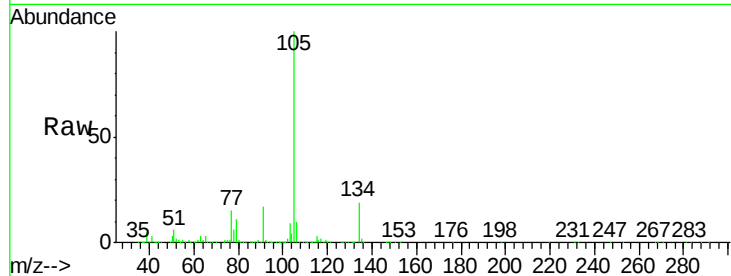
#67
 sec-Butylbenzene
 Concen: 8.504 ppbv
 RT: 17.29 min Scan# 4512
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 105 Resp: 7241299
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.7 23.5

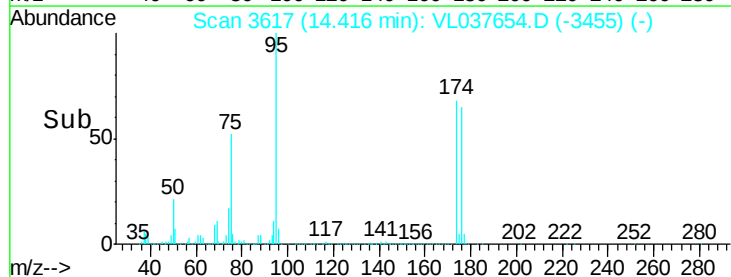
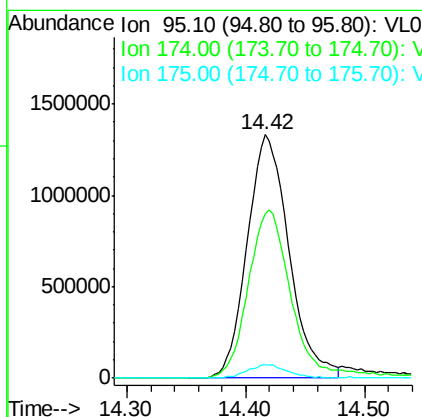
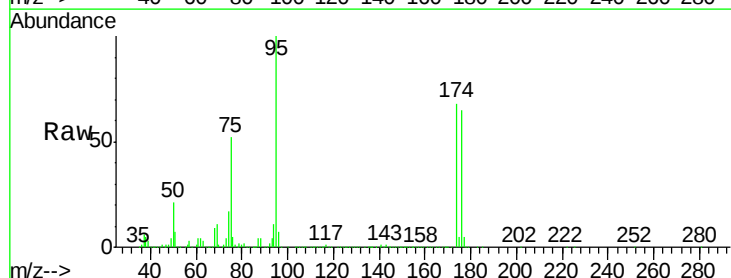
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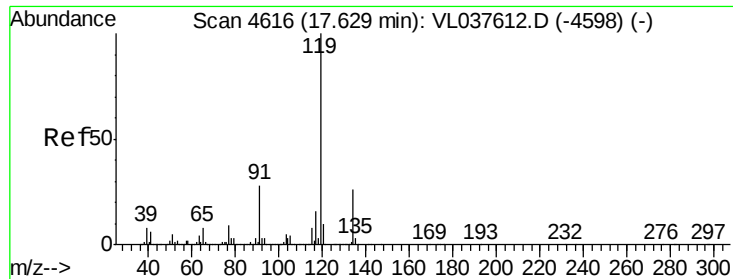
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.909 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 95 Resp: 3240764
 Ion Ratio Lower Upper
 95 100
 174 72.8 56.3 84.5
 175 5.6 4.4 6.6





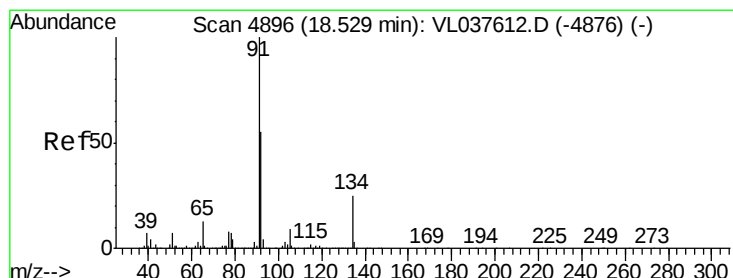
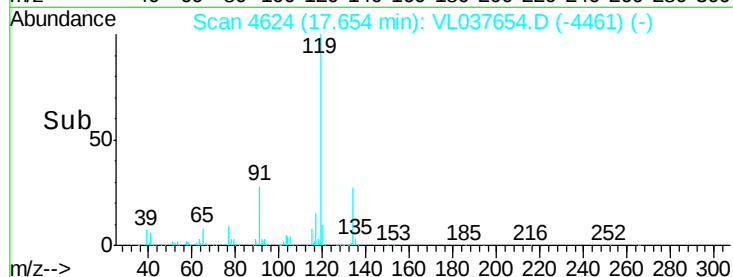
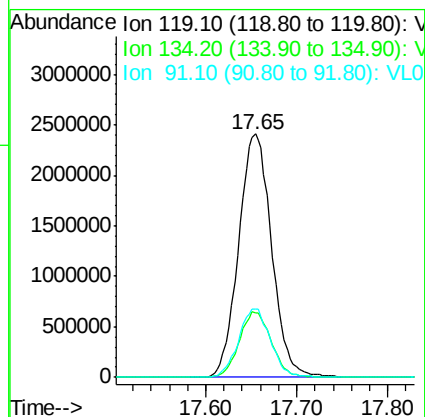
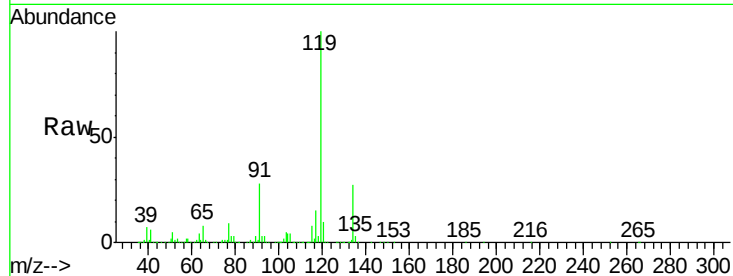
#69
p-Isopropyltoluene
Concen: 8.718 ppbv
RT: 17.65 min Scan# 4624
Delta R.T. 0.03 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 6064450
Ion Ratio Lower Upper
119 100
134 26.2 21.2 31.8
91 27.5 22.2 33.2

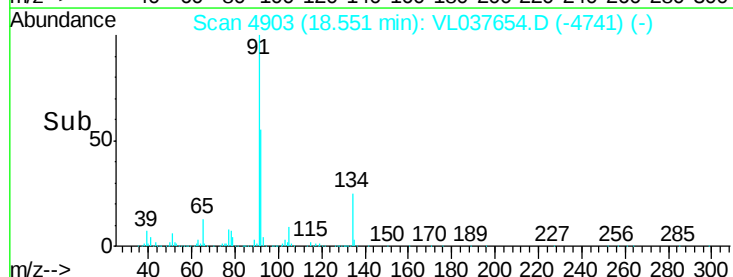
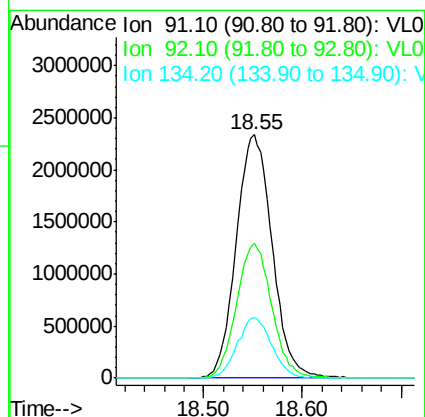
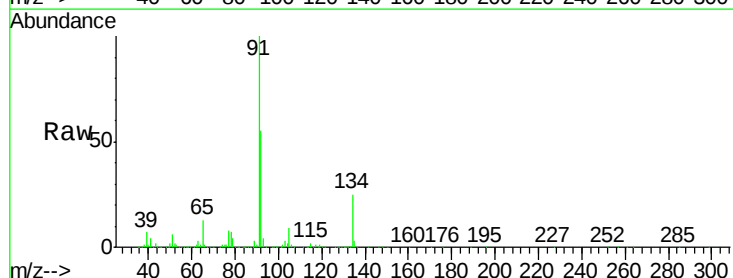
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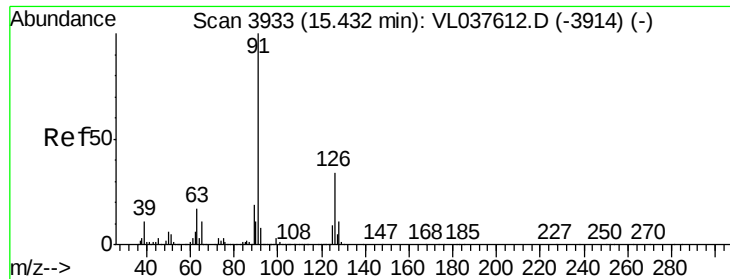
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#70
n-Butylbenzene
Concen: 8.979 ppbv
RT: 18.55 min Scan# 4903
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion: 91 Resp: 5909781
Ion Ratio Lower Upper
91 100
92 54.6 44.0 66.0
134 24.3 19.5 29.3





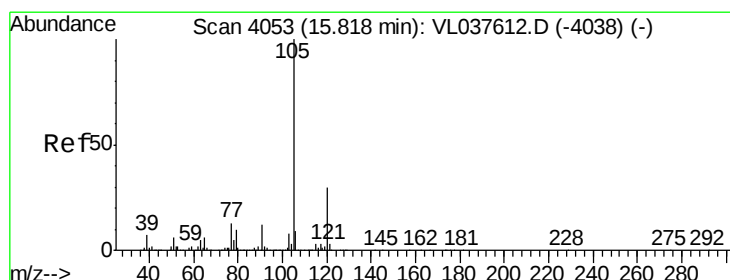
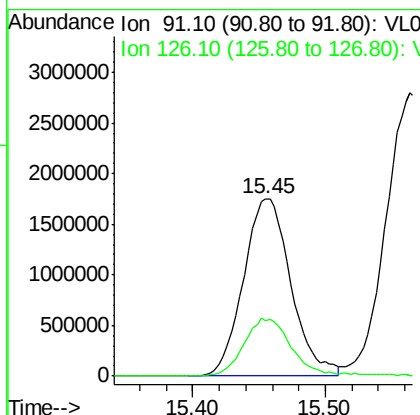
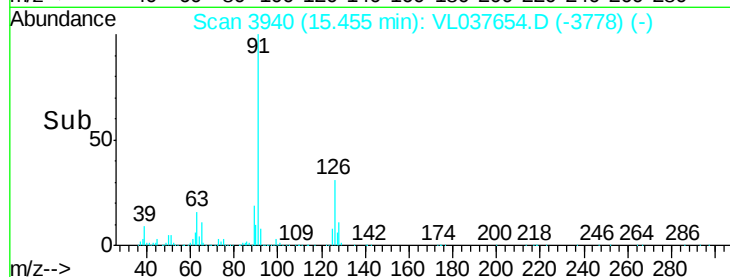
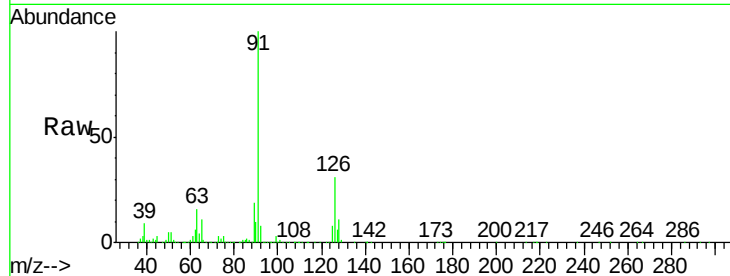
#71
 2-Chlorotoluene
 Concen: 8.741 ppbv
 RT: 15.45 min Scan# 3940
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 91 Resp: 4360392
 Ion Ratio Lower Upper
 91 100
 126 33.8 13.2 52.8

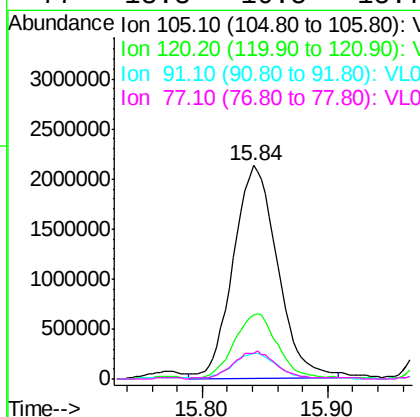
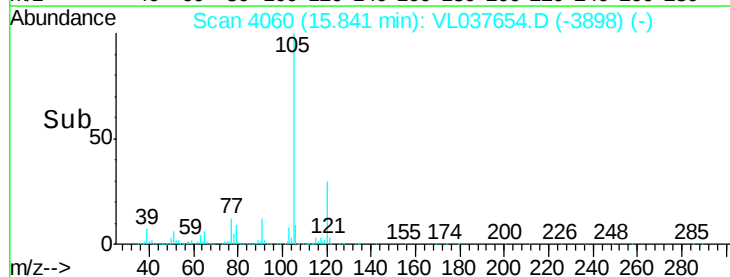
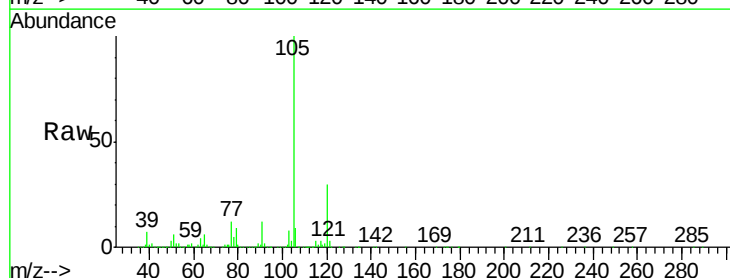
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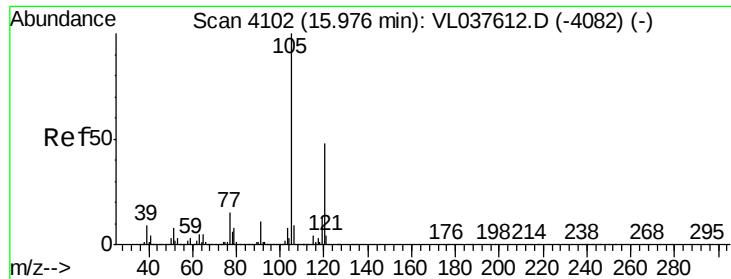
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#72
 4-Ethyltoluene
 Concen: 9.168 ppbv
 RT: 15.84 min Scan# 4060
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion: 105 Resp: 5243799
 Ion Ratio Lower Upper
 105 100
 120 30.4 24.7 37.1
 91 11.8 9.9 14.9
 77 13.3 10.5 15.7





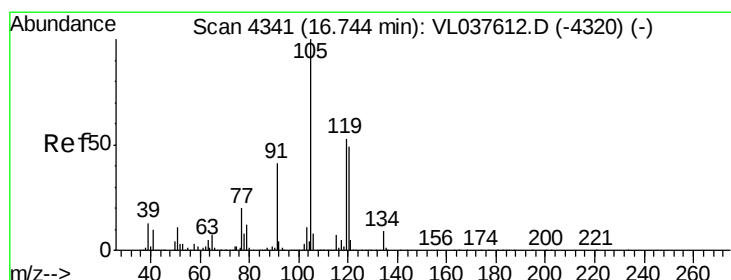
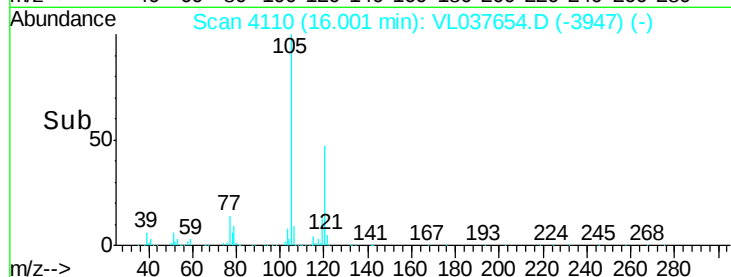
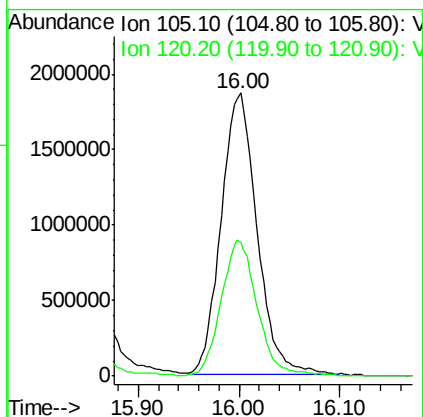
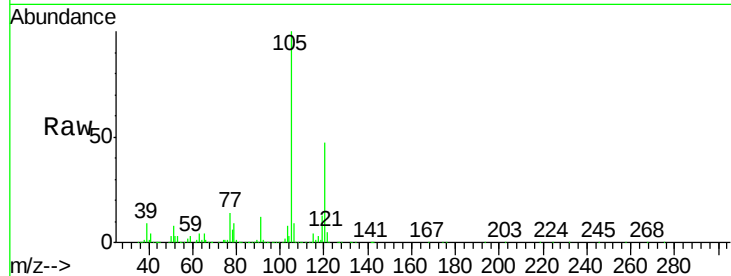
#73
 1,3,5-Trimethylbenzene
 Concen: 8.658 ppbv
 RT: 16.00 min Scan# 4110
 Delta R.T. 0.03 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:105 Resp: 4616219
 Ion Ratio Lower Upper
 105 100
 120 47.3 38.3 57.5

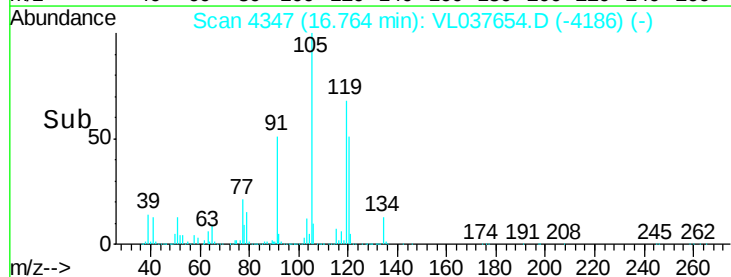
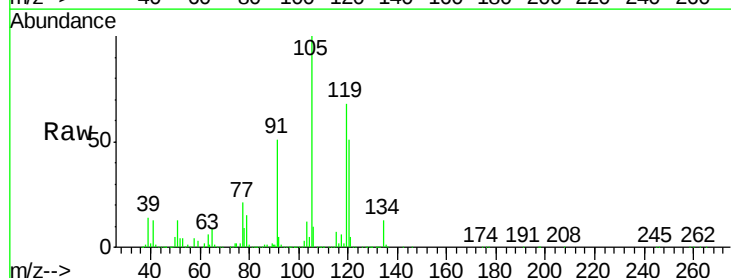
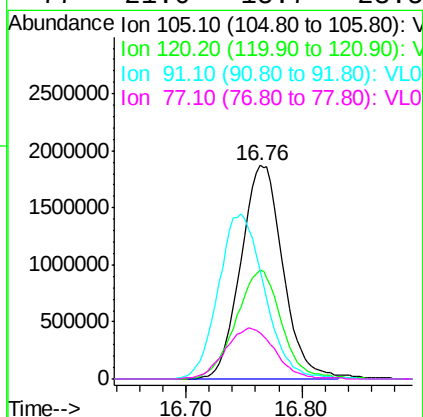
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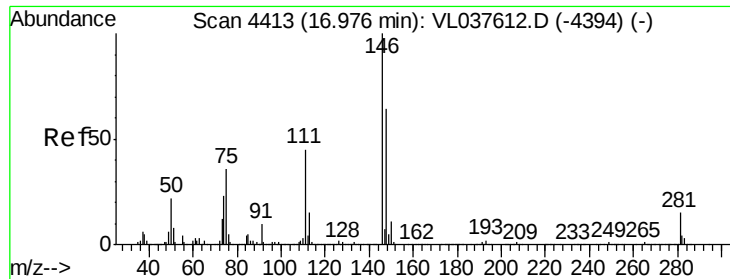
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.410 ppbv
 RT: 16.76 min Scan# 4347
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion:105 Resp: 4722753
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.4 59.0
 91 50.4 33.3 49.9#
 77 21.0 15.7 23.5





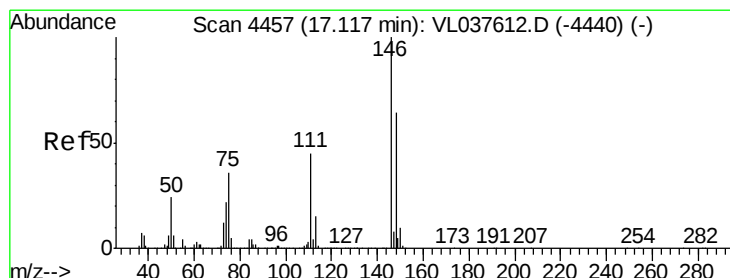
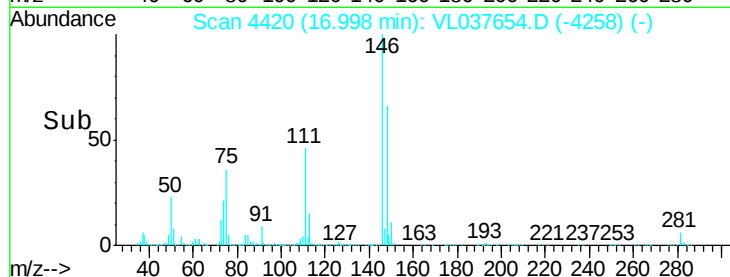
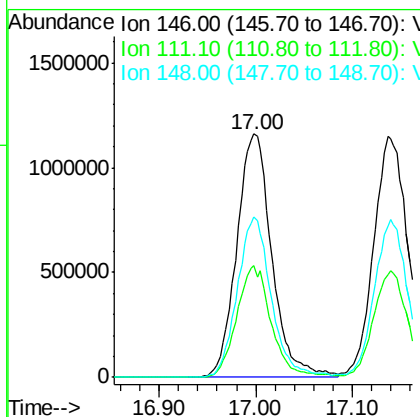
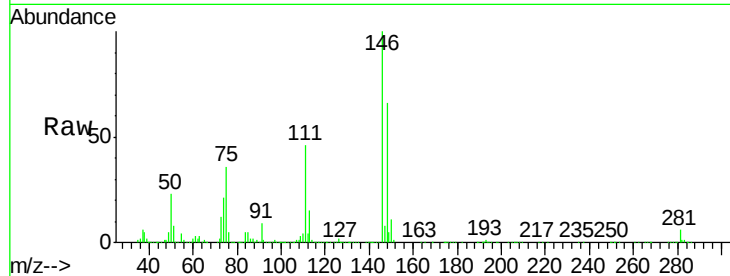
#75
 1,3-Dichlorobenzene
 Concen: 8.396 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2929452
 Ion Ratio Lower Upper
 146 100
 111 45.0 22.8 68.3
 148 63.9 32.1 96.5

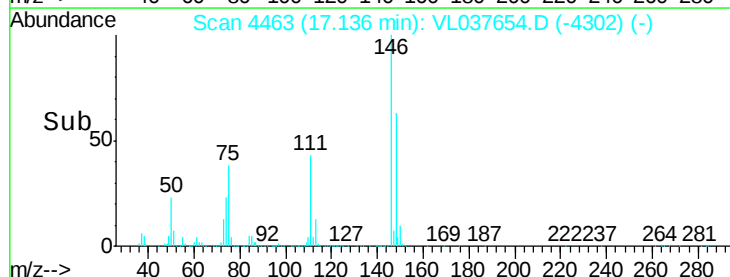
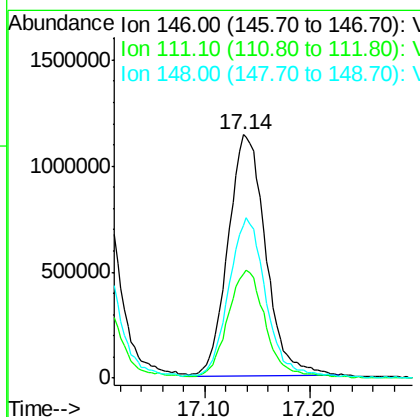
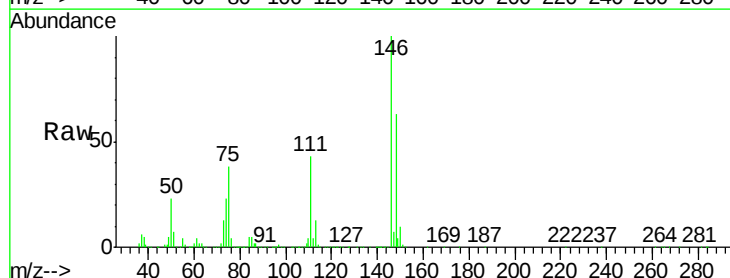
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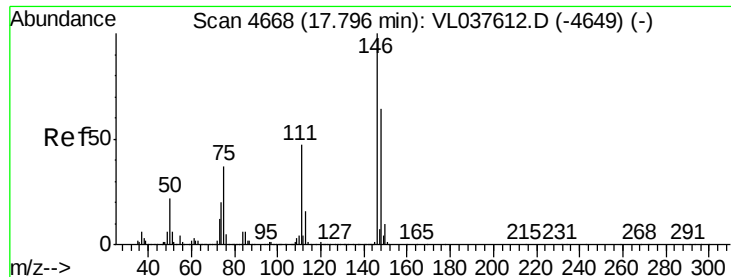
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#76
 1,4-Dichlorobenzene
 Concen: 8.162 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion:146 Resp: 2808774
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.5 67.5
 148 65.9 32.9 98.6





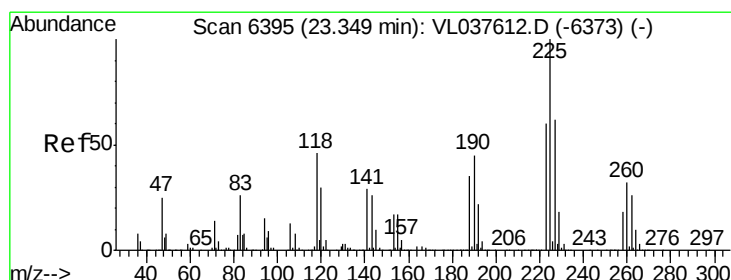
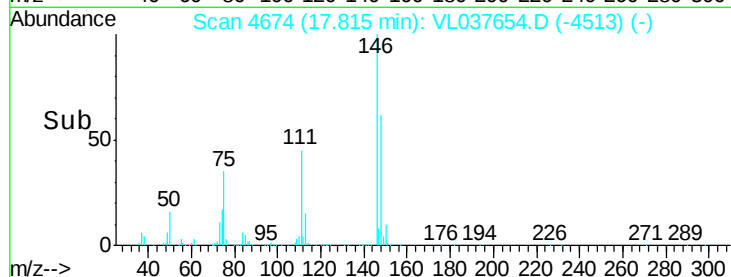
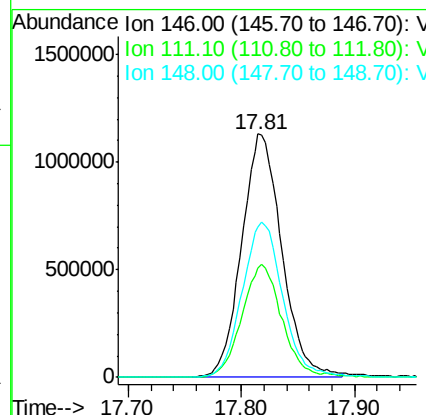
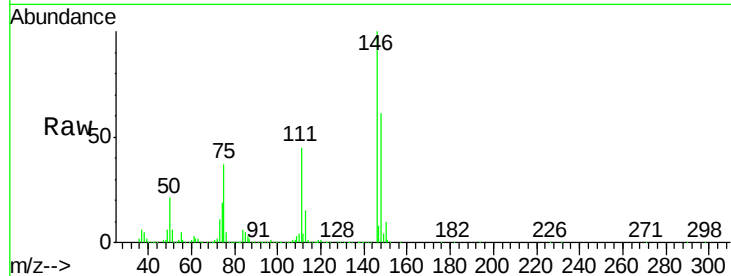
#77
 1,2-Dichlorobenzene
 Concen: 8.402 ppbv
 RT: 17.81 min Scan# 4674
 Delta R.T. 0.02 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2780465
 Ion Ratio Lower Upper
 146 100
 111 46.7 24.0 72.0
 148 65.0 32.8 98.3

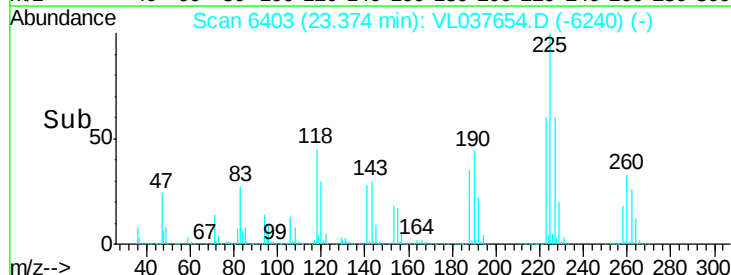
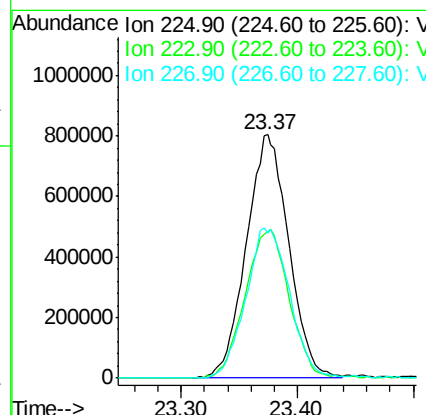
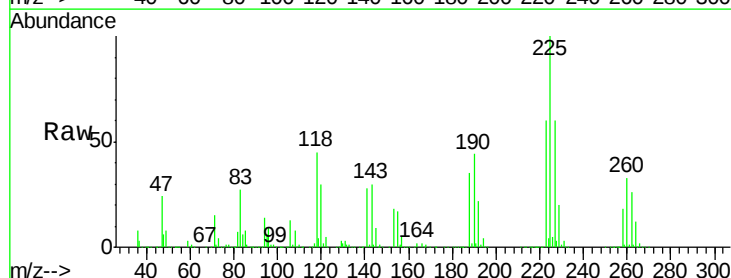
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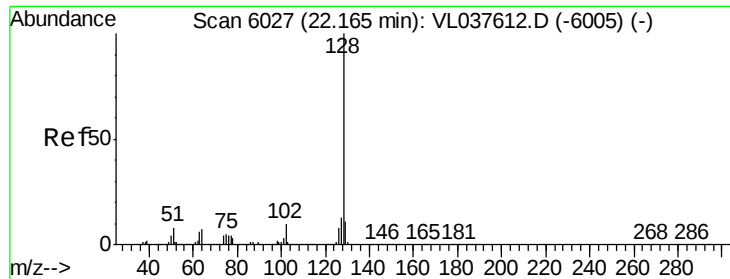
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.338 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.03 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Tgt Ion:225 Resp: 2043629
 Ion Ratio Lower Upper
 225 100
 223 63.9 51.1 76.7
 227 64.2 52.2 78.4





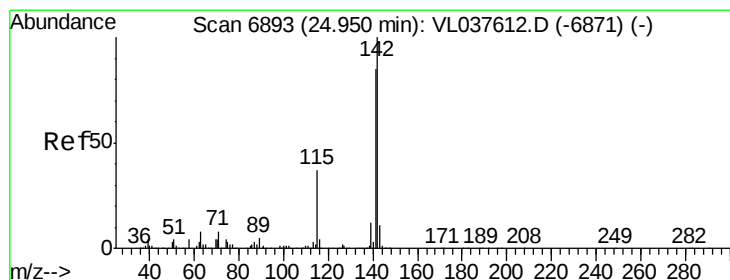
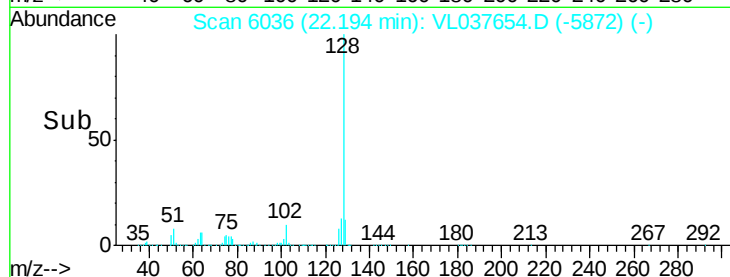
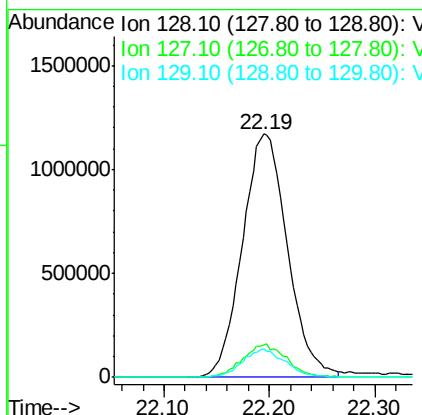
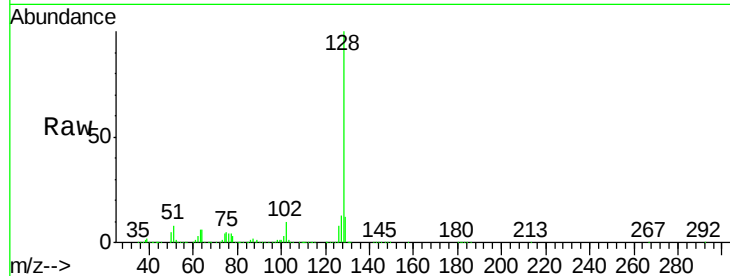
#79
Naphthalene
Concen: 10.090 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.03 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.6	8.6	12.8

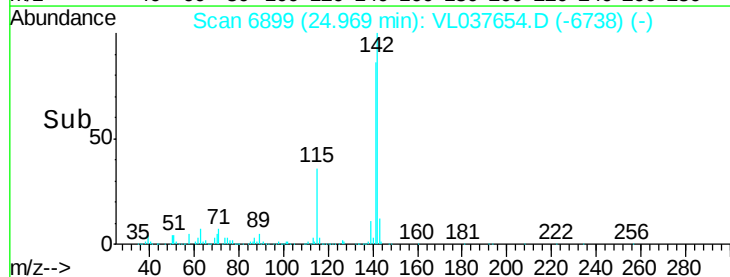
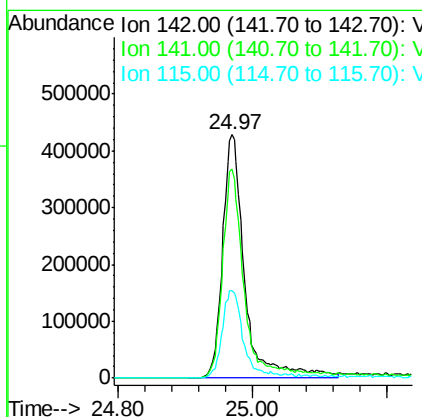
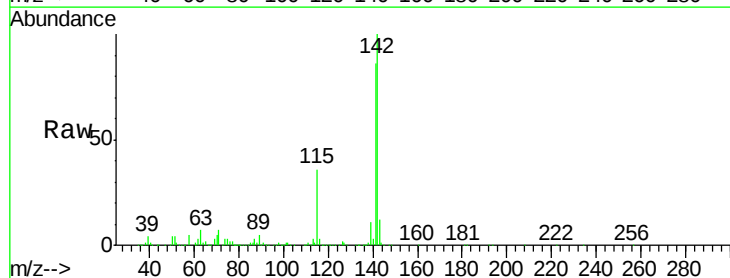
Manual Integrations
APPROVED

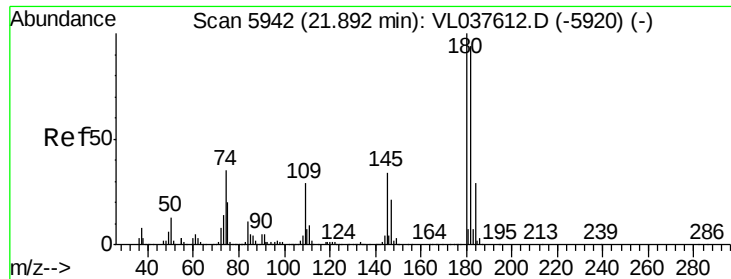
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#80
Naphthalene, 2-methyl-
Concen: 12.530 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.02 min
Lab File: VL037654.D
Acq: 23 Sep 2021 9:32

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.9	106.3
115	34.2	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 9.386 ppbv
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.03 min
 Lab File: VL037654.D
 Acq: 23 Sep 2021 9:32

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.3	78.9	118.3
184	30.9	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
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