

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037652.D
 Acq On : 18 Sep 2021 11:23
 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 5:28:52 PM

Quant Time: Sep 20 01:54:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 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	5.66	49	1487266	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4356279	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3906791m	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2802214	9.92	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	2385305	8.863	ppbv	100
3) Chlorodifluoromethane	2.99	51	2978688	10.618	ppbv	98
4) Chloromethane	3.14	50	1109650	10.706	ppbv	98
5) Vinyl Chloride	3.26	62	1143266	11.744	ppbv	100
6) Bromomethane	3.47	94	628666	11.110	ppbv	96
7) Chloroethane	3.56	64	381649	10.490	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2519066	10.850	ppbv	99
9) Propene	3.01	41	1128456	11.404	ppbv	97
10) Heptane	8.12	43	2683373	11.621	ppbv	99
11) Trichlorofluoromethane	3.95	101	2281076	10.557	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1752195	10.986	ppbv	97
13) Ethanol	3.60	45	109407m	11.303	ppbv	
14) Bromoethene	3.74	108	795985	10.964	ppbv	99
15) Acetone	3.84	43	1387056	8.976	ppbv	97
16) 1,3-Butadiene	3.33	39	1111081	11.507	ppbv	98
17) tert-Butyl alcohol	4.28	59	1663432	12.695	ppbv	100
18) 1,1-Dichloroethene	4.29	96	817402	11.002	ppbv	95
19) Isopropyl Alcohol	3.96	45	971299	11.552	ppbv #	93
20) Methylene Chloride	4.34	84	696398	9.440	ppbv	97
21) Allyl Chloride	4.41	41	1341598	11.621	ppbv	98
22) trans-1,2-Dichloroethene	4.88	96	808667	10.818	ppbv	97
23) Vinyl Acetate	5.07	43	2587160	12.099	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1836121	11.986	ppbv	99
25) Ethyl Acetate	5.67	43	4254239	11.367	ppbv	99
26) Hexane	5.68	57	2017044	11.346	ppbv	99
27) Carbon Disulfide	4.55	76	2006193	12.335	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	2152884	13.749	ppbv	98
29) Chloroform	5.75	83	2779169	10.706	ppbv	99
30) Cyclohexane	7.12	84	1657241	10.899	ppbv	99
31) cis-1,2-Dichloroethene	5.54	61	1871771	11.597	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2681485	11.095	ppbv	100
34) 2-Butanone	5.24	43	1906800	10.771	ppbv	99
35) Carbon Tetrachloride	7.01	117	2755155	11.181	ppbv	99
36) Benzene	6.89	78	4122540	11.349	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1953099	10.932	ppbv	100
38) Trichloroethene	7.83	130	1602589	10.561	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1564806	11.247	ppbv	97
40) 1,4-Dioxane	7.83	88	385746	11.398	ppbv	86
41) Tetrahydrofuran	6.04	42	999616	12.011	ppbv	100
42) Bromodichloromethane	7.79	83	2909884	11.364	ppbv	99
43) Methyl Methacrylate	8.01	69	1502585	12.434	ppbv	98

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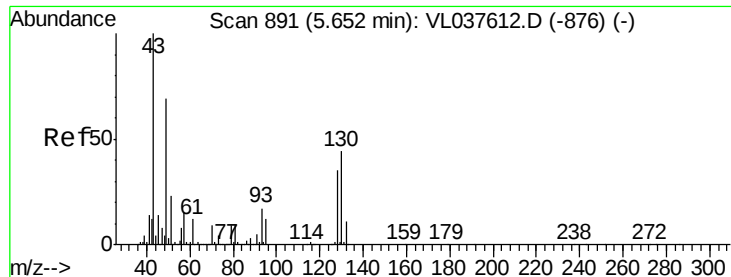
Manual Integrations
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Quant Time: Sep 20 01:54:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6780484	11.103	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	1298117	13.675	ppbv	99
46) cis-1,3-Dichloropropene	8.70	75	1671004	13.032	ppbv	96
47) 1,1,2-Trichloroethane	9.47	97	1600305	10.398	ppbv	98
48) Dibromochloromethane	10.30	129	2537991	11.820	ppbv	99
49) Bromoform	13.03	173	1970517	11.467	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2619423	11.658	ppbv	100
51) 2-Hexanone	10.13	43	1194690	12.051	ppbv #	97
52) Tetrachloroethene	11.21	164	1470234	10.543	ppbv	97
53) Toluene	9.80	91	4670807	11.568	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2298290	10.906	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1735187	10.708	ppbv #	88
57) Chlorobenzene	12.14	112	3299819	10.160	ppbv	98
58) Ethyl Benzene	12.70	91	5780989	11.147	ppbv	100
59) m/p-Xylene	12.99	91	9742064m	21.556	ppbv	
60) o-Xylene	13.68	91	4519514	10.507	ppbv	98
61) Styrene	13.52	104	2505001	11.810	ppbv	98
62) Isopropylbenzene	14.66	105	6185606	10.294	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3167764	9.410	ppbv	100
64) n-propylbenzene	15.55	120	1654516	10.670	ppbv	87
65) tert-Butylbenzene	16.73	119	5520647	10.189	ppbv	100
66) Benzyl Chloride	16.98	91	368977	12.462	ppbv	98
67) sec-Butylbenzene	17.28	105	7632145	10.383	ppbv	99
69) p-Isopropyltoluene	17.64	119	6385380	10.633	ppbv	100
70) n-Butylbenzene	18.54	91	6242029	10.985	ppbv	100
71) 2-Chlorotoluene	15.45	91	4547836	10.561	ppbv	98
72) 4-Ethyltoluene	15.83	105	5240687	10.613	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4784131	10.394	ppbv	99
74) 1,2,4-Trimethylbenzene	16.75	105	5022306	10.360	ppbv	96
75) 1,3-Dichlorobenzene	16.99	146	3056792	10.149	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2954572	9.946	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2894991	10.134	ppbv	100
78) Hexachloro-1,3-Butadiene	23.36	225	2368788	9.852	ppbv	99
79) Naphthalene	22.18	128	4235288	14.229	ppbv	99
80) Naphthalene, 2-methyl-	24.96	142	898291	13.203	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	2410966m	12.616	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1487266

Ion Ratio Lower Upper

49 100

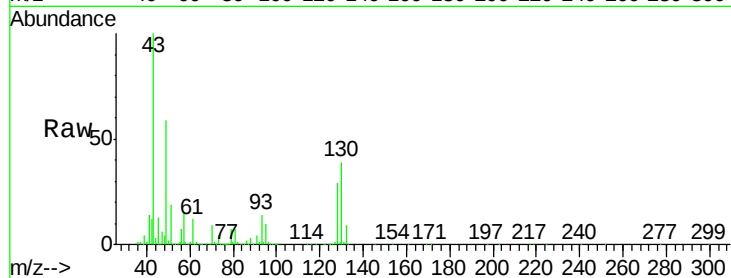
128 54.5 27.9 83.6

130 67.4 33.9 101.7

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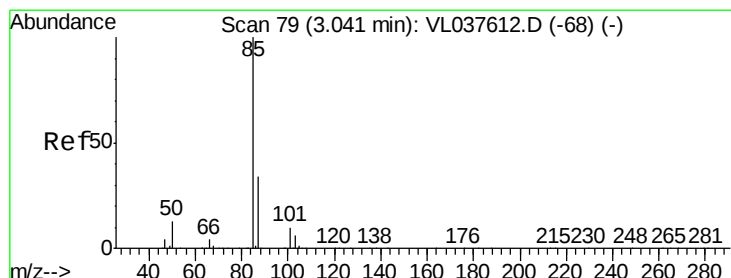
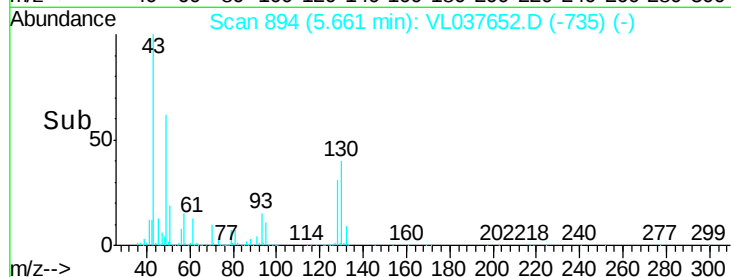
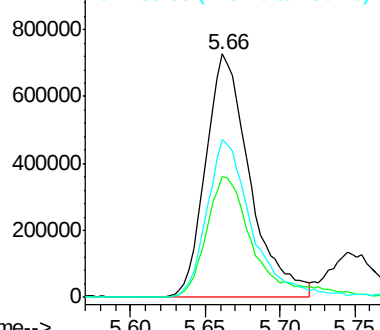
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.863 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL037652.D

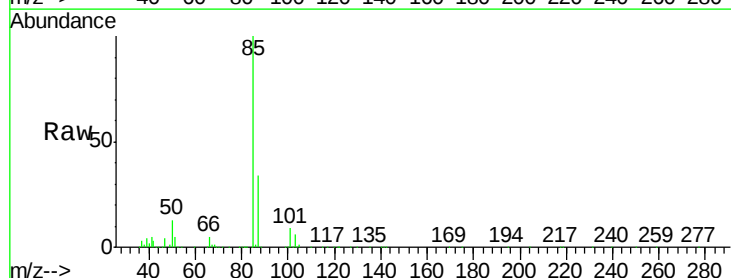
Acq: 18 Sep 2021 11:23

Tgt Ion: 85 Resp: 2385305

Ion Ratio Lower Upper

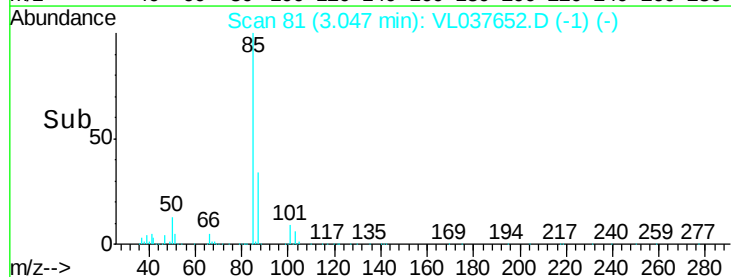
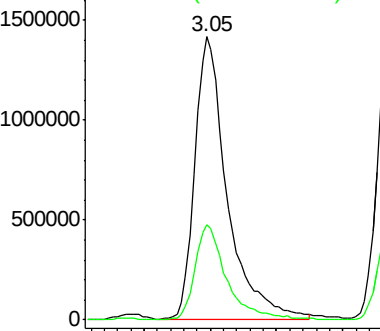
85 100

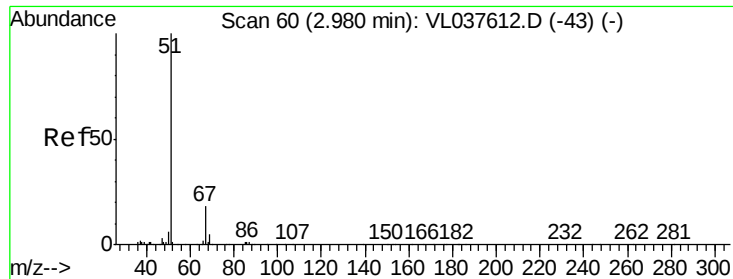
87 33.5 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.618 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tot Ion: 51 Resp: 2978688

Ion Ratio Lower Upper

51 100

67 16.8 14.0 21.0

Instrument :

MSVOA_L

ClientSampleId :

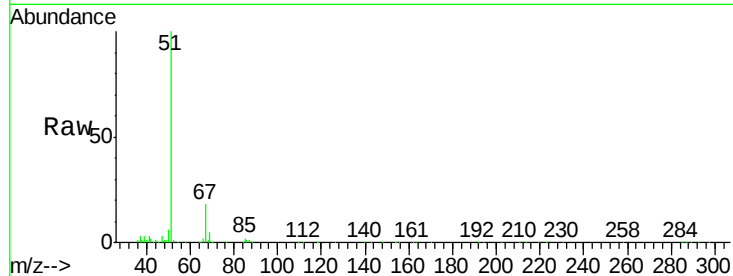
VSTDCCC010EC

Manual Integrations

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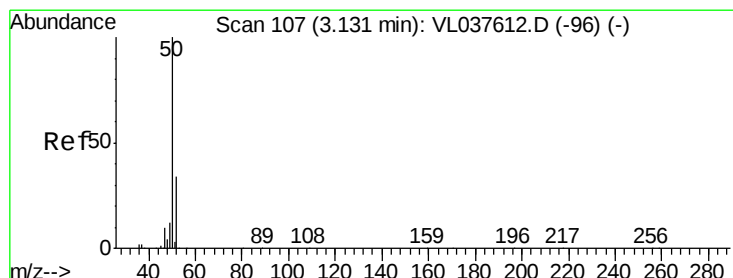
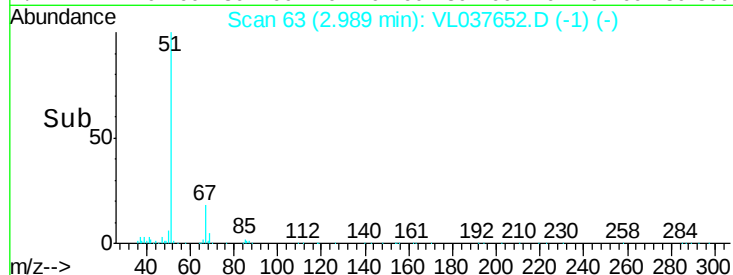
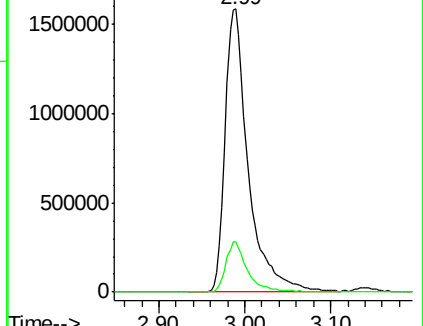
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.706 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL037652.D

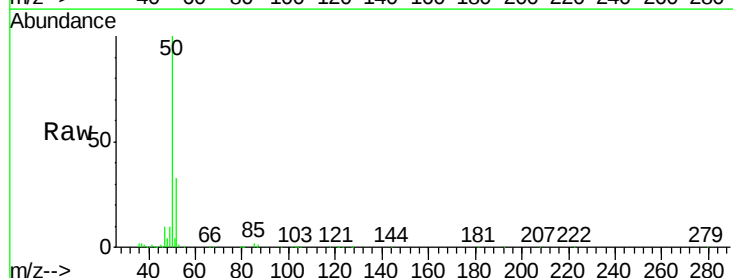
Acq: 18 Sep 2021 11:23

Tgt Ion: 50 Resp: 1109650

Ion Ratio Lower Upper

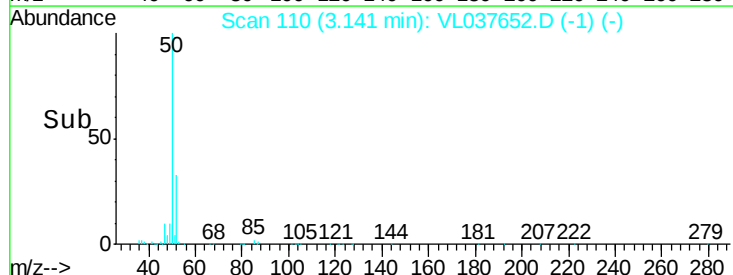
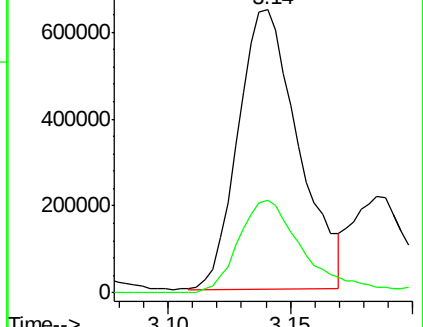
50 100

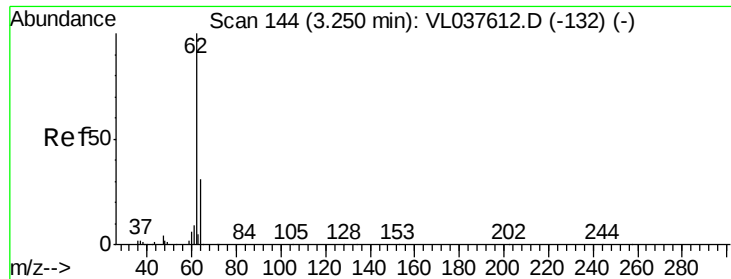
52 32.9 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 11.744 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1143266

Ion Ratio Lower Upper

62 100

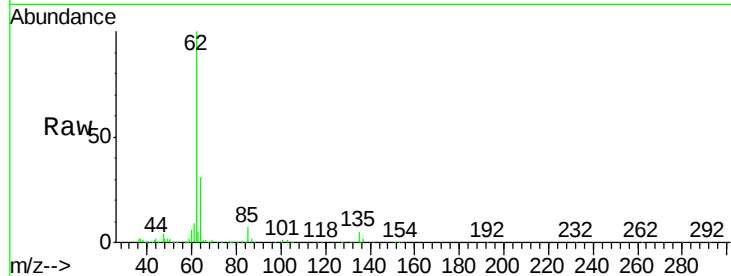
64 30.9 24.9 37.3

Manual Integrations

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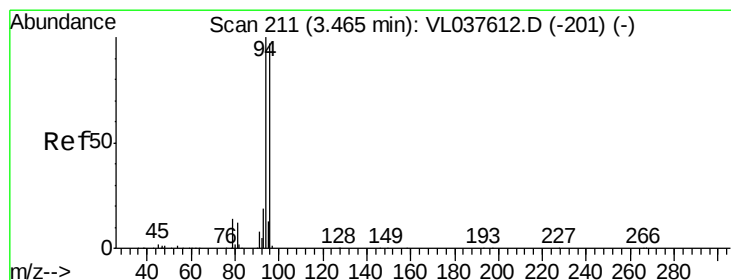
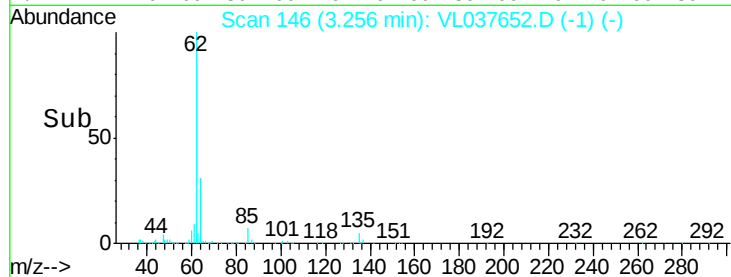
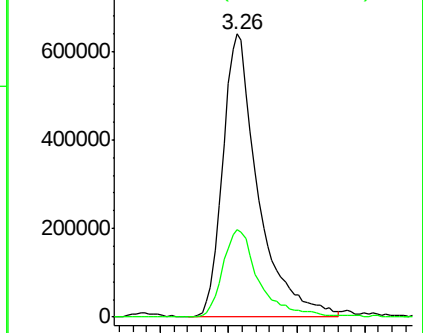
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 11.110 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.01 min

Lab File: VL037652.D

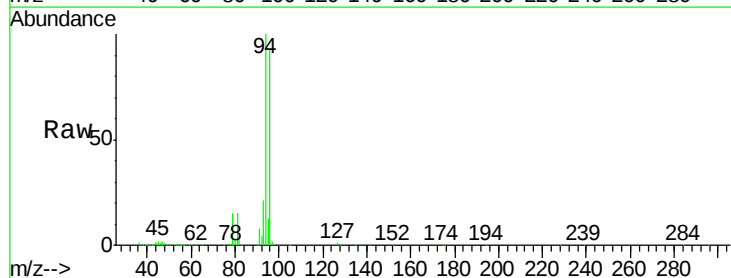
Acq: 18 Sep 2021 11:23

Tgt Ion: 94 Resp: 628666

Ion Ratio Lower Upper

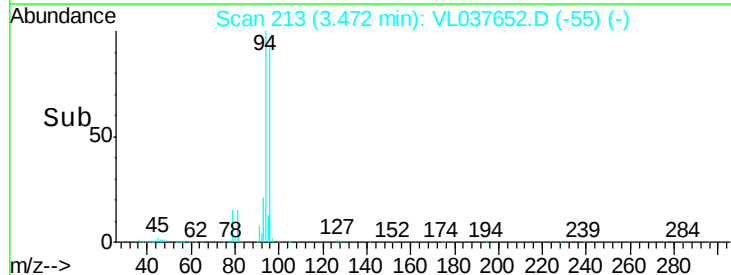
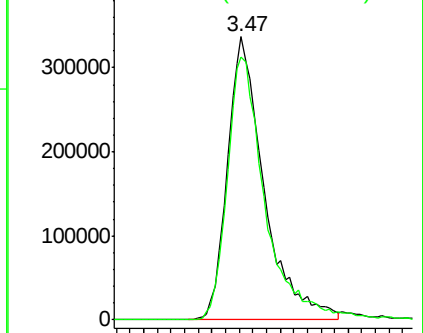
94 100

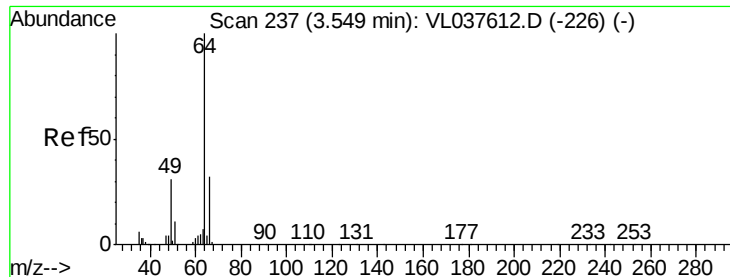
96 92.9 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.490 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 381649

Ion Ratio Lower Upper

64 100

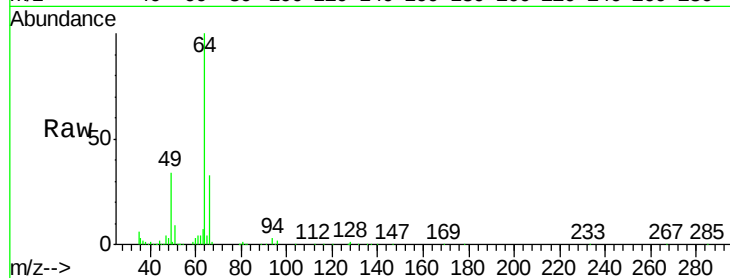
66 33.2 25.3 37.9

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

250000

200000

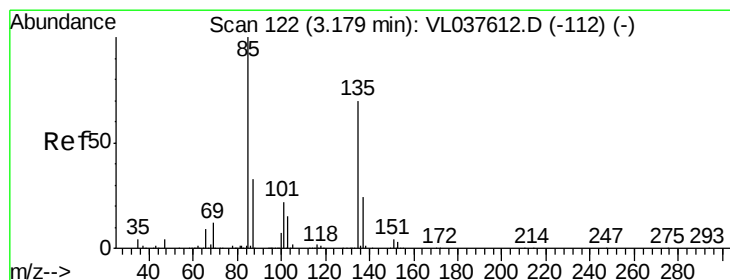
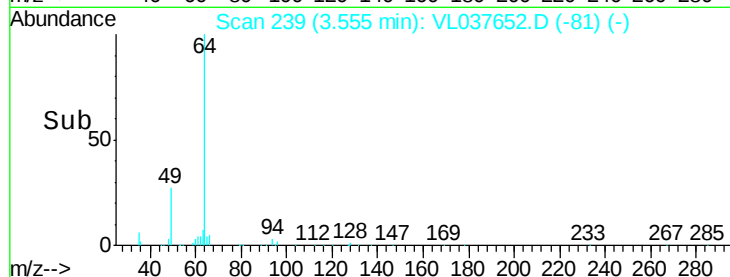
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.850 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.01 min

Lab File: VL037652.D

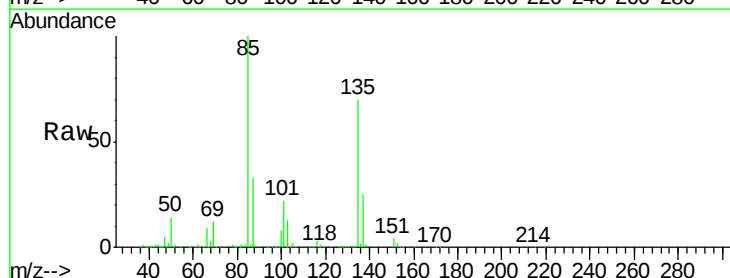
Acq: 18 Sep 2021 11:23

Tgt Ion: 85 Resp: 2519066

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

3.19

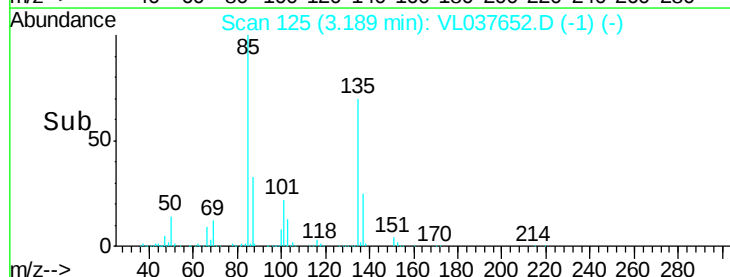
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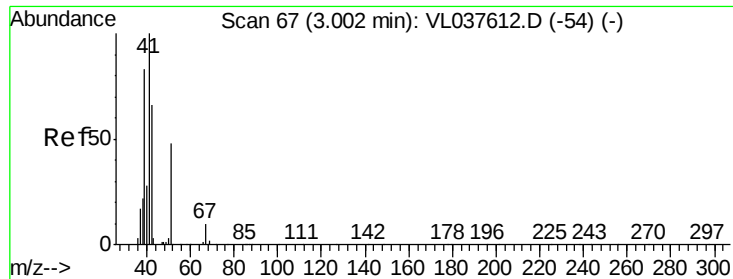
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Time-->





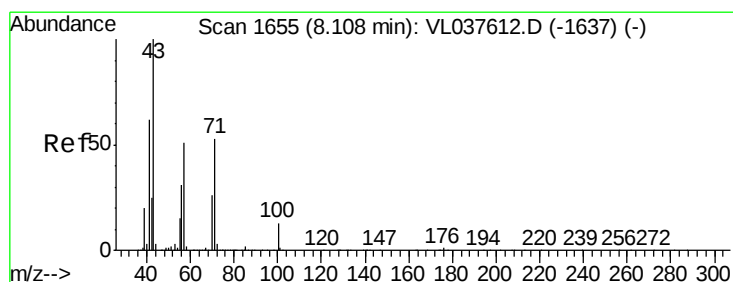
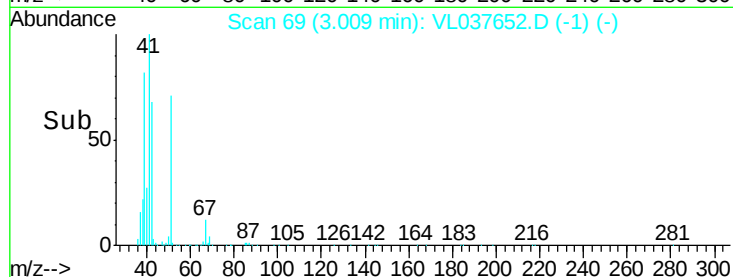
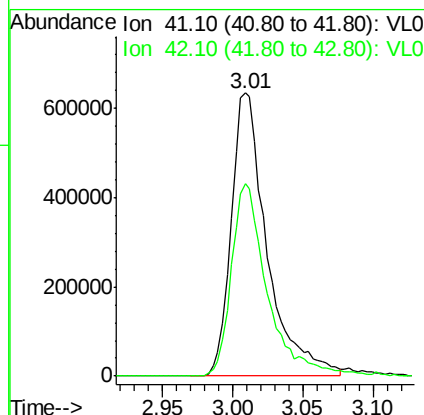
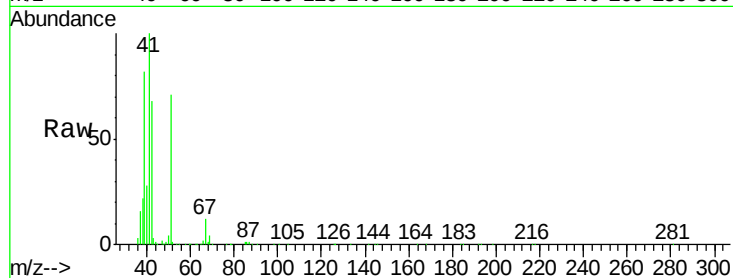
#9
 Propene
 Concen: 11.404 ppbv
 RT: 3.01 min Scan# 69
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 1128456
 Ion Ratio Lower Upper
 41 100
 42 68.8 57.2 85.8

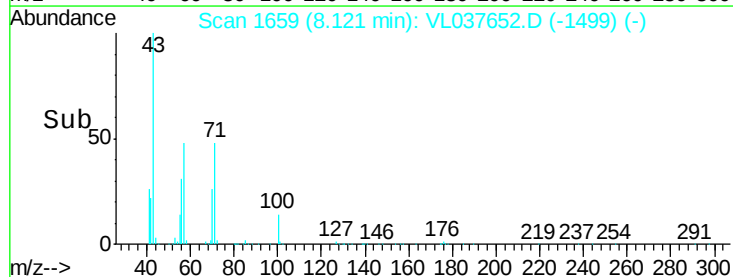
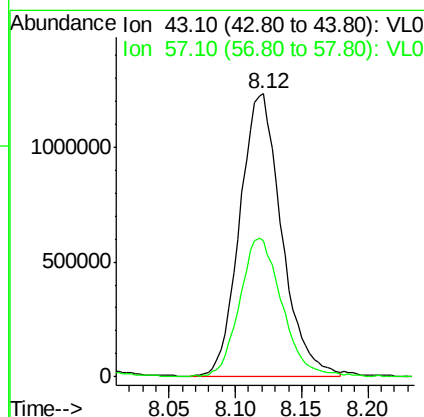
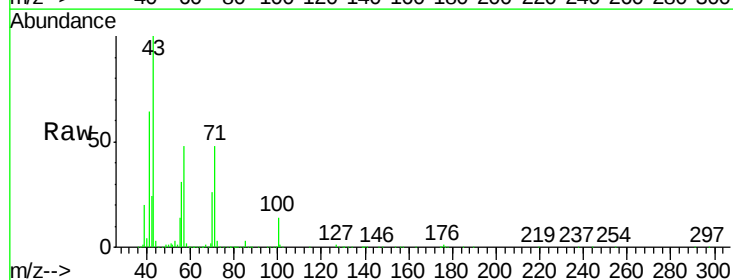
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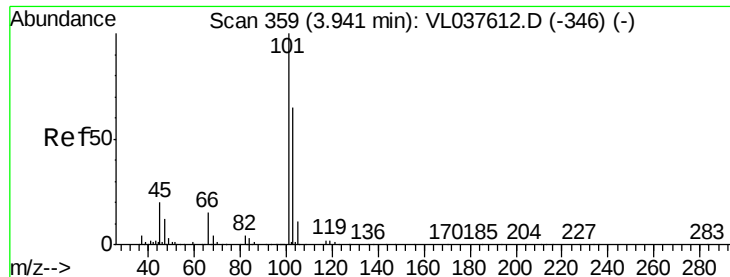
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#10
 Heptane
 Concen: 11.621 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion: 43 Resp: 2683373
 Ion Ratio Lower Upper
 43 100
 57 50.6 40.1 60.1





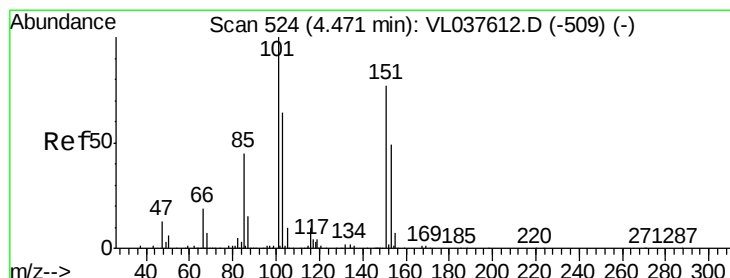
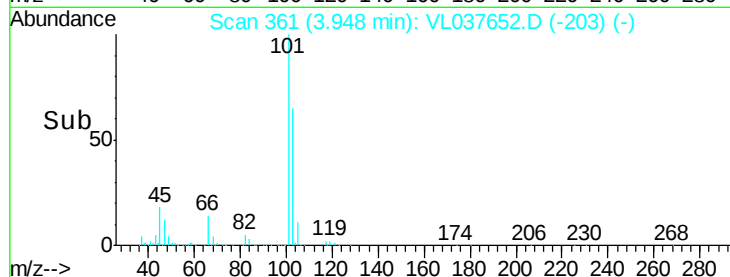
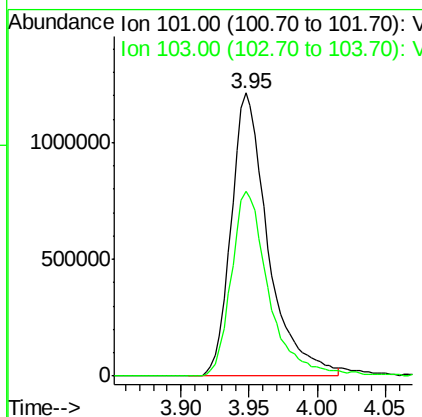
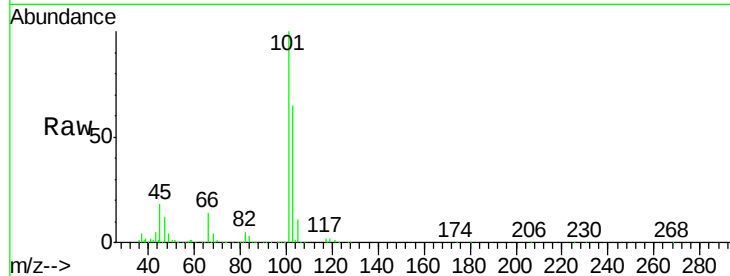
#11
 Trichlorofluoromethane
 Concen: 10.557 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2281076
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.9 77.9

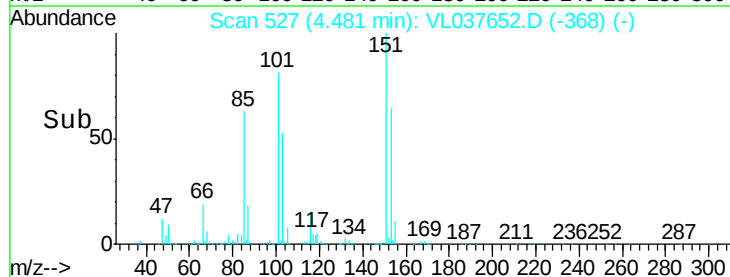
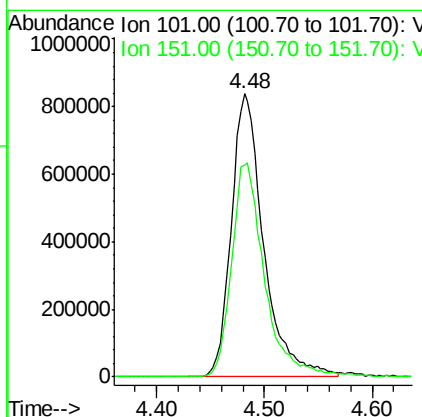
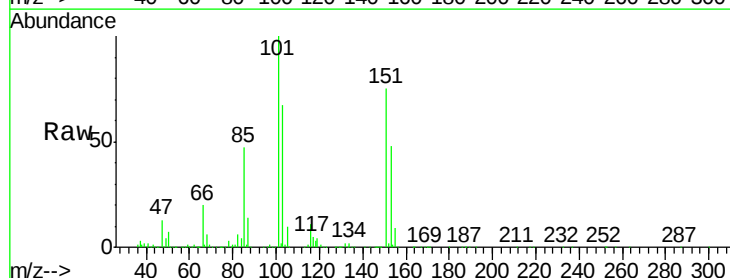
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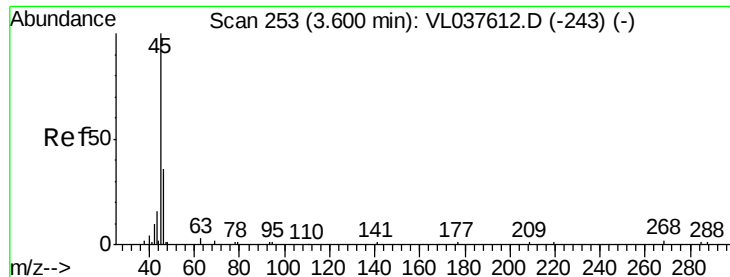
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.986 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion:101 Resp: 1752195
 Ion Ratio Lower Upper
 101 100
 151 77.1 63.5 95.3





#13

Ethanol

Concen: 11.303 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 109407

Ion Ratio Lower Upper

45 100

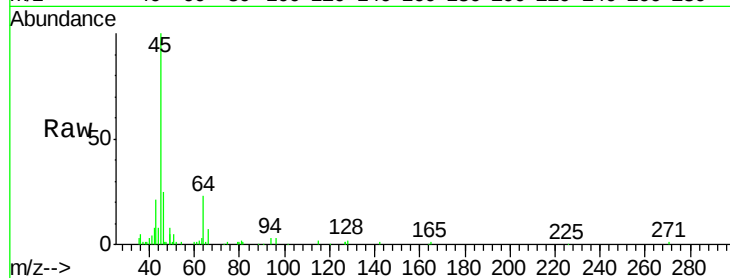
46 43.9 17.2 68.8

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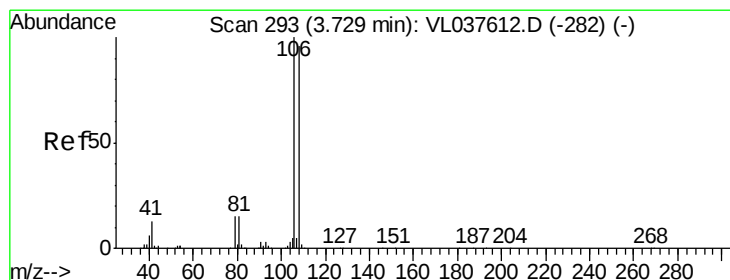
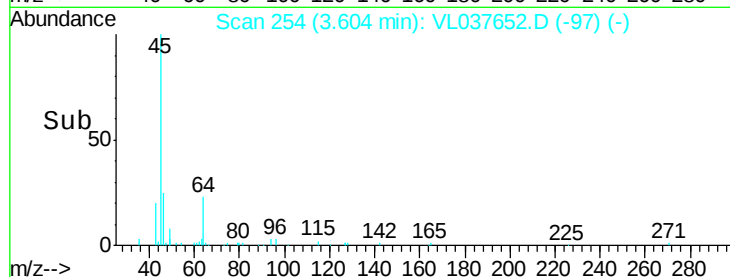
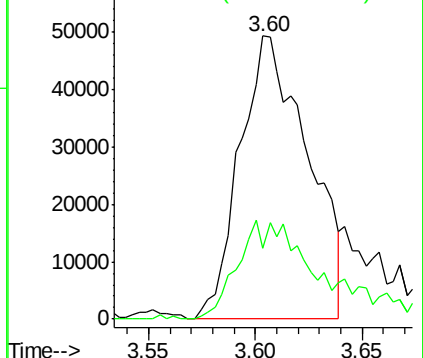
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.964 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

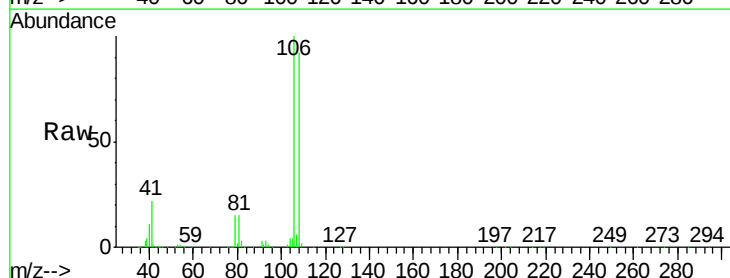
Tgt Ion: 108 Resp: 795985

Ion Ratio Lower Upper

108 100

106 111.5 88.2 132.4

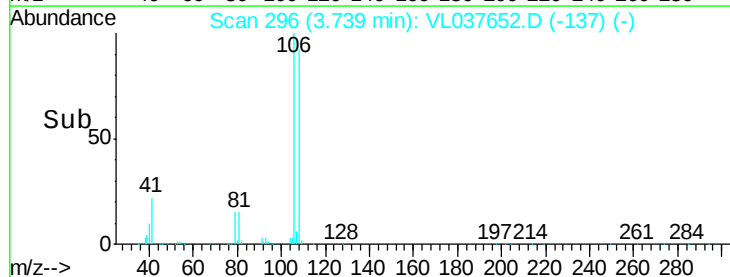
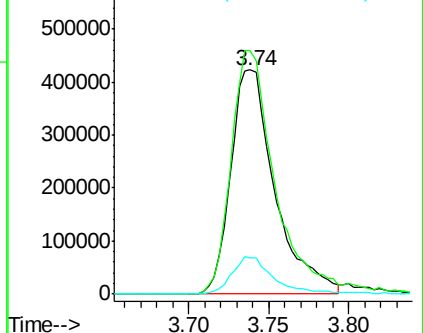
79 16.2 12.8 19.2

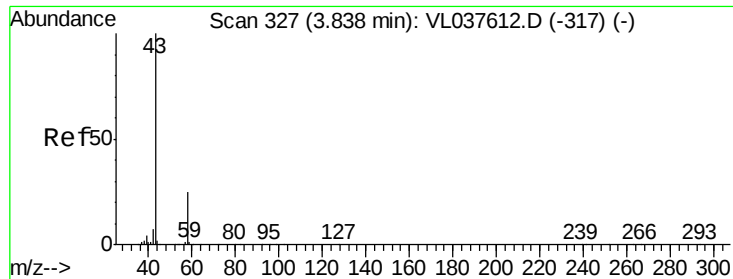


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





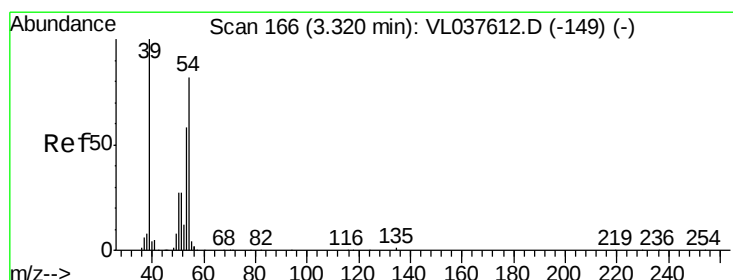
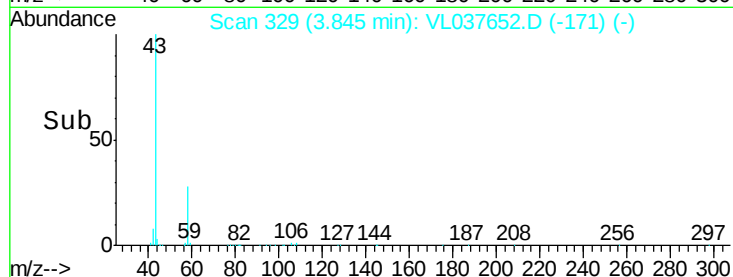
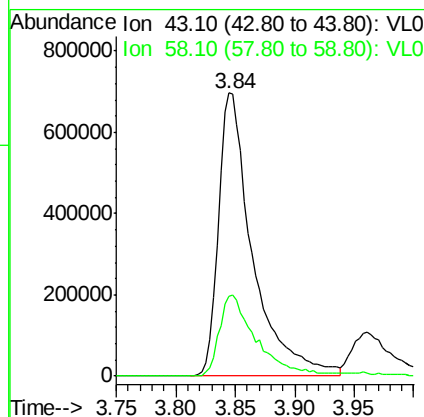
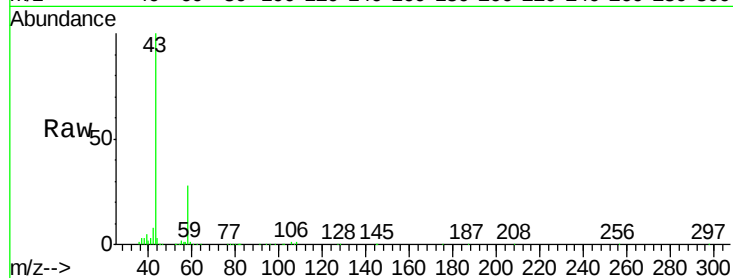
#15
Acetone
Concen: 8.976 ppbv
RT: 3.84 min Scan# 329
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1387056
Ion Ratio Lower Upper
43 100
58 32.7 24.9 37.3

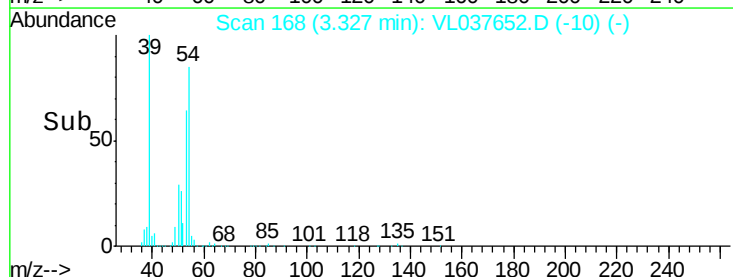
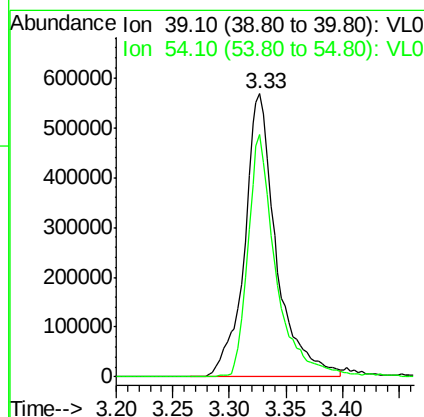
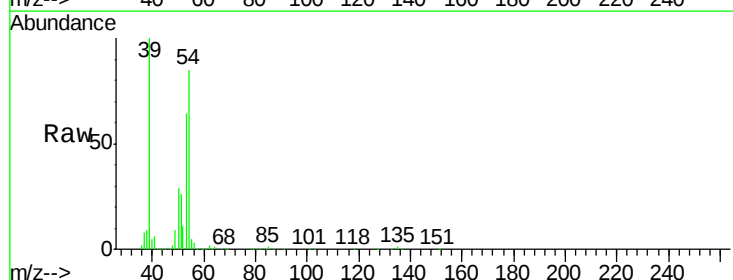
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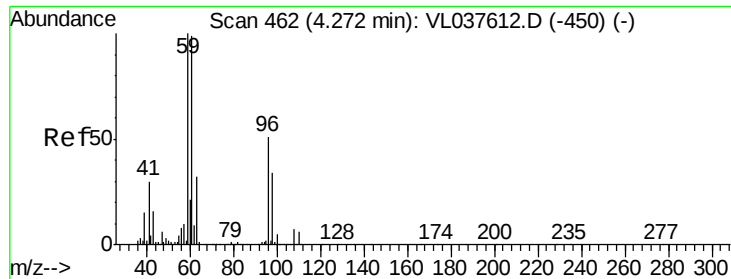
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#16
1,3-Butadiene
Concen: 11.507 ppbv
RT: 3.33 min Scan# 168
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 39 Resp: 1111081
Ion Ratio Lower Upper
39 100
54 76.5 62.6 93.8





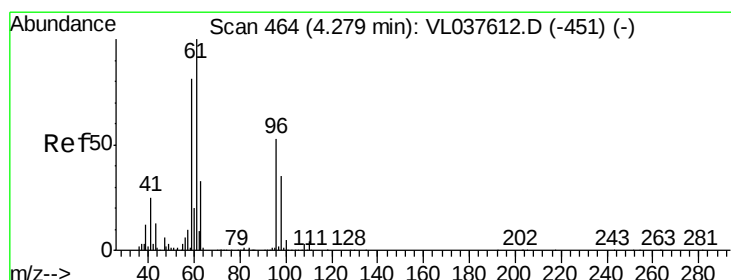
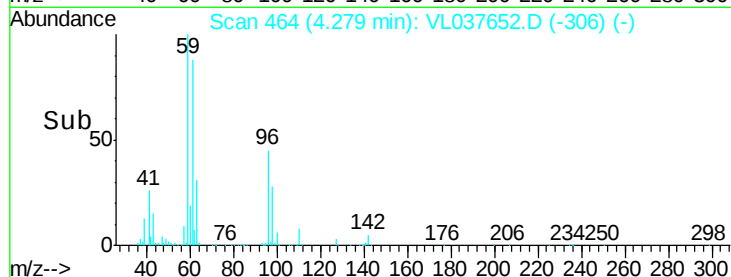
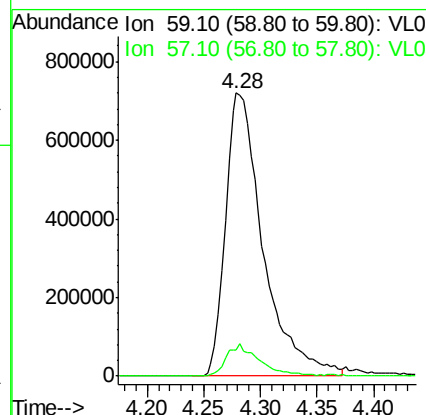
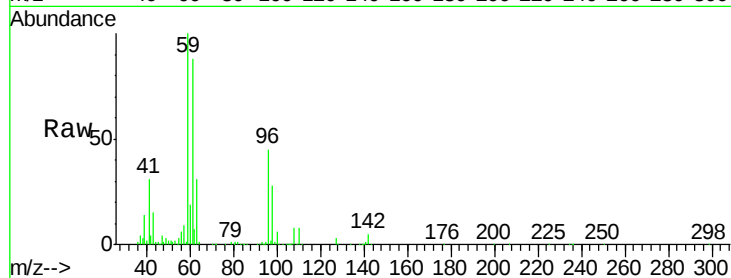
#17
tert-Butyl alcohol
Concen: 12.695 ppbv
RT: 4.28 min Scan# 464
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1663432
Ion Ratio Lower Upper
59 100
57 10.4 8.4 12.6

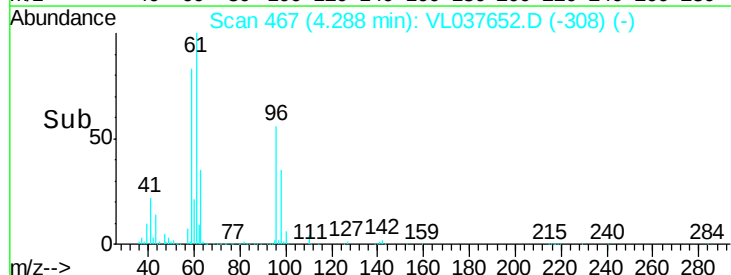
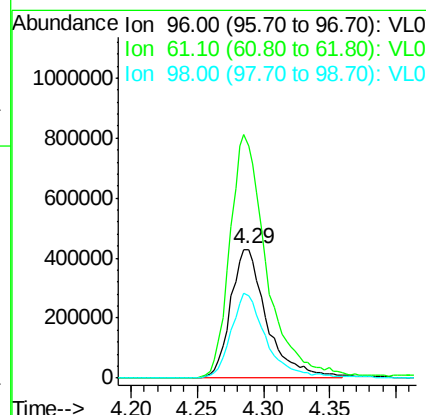
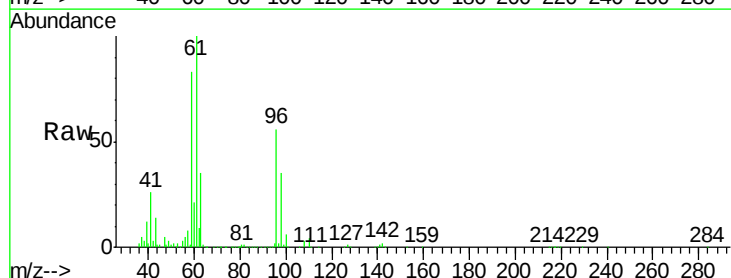
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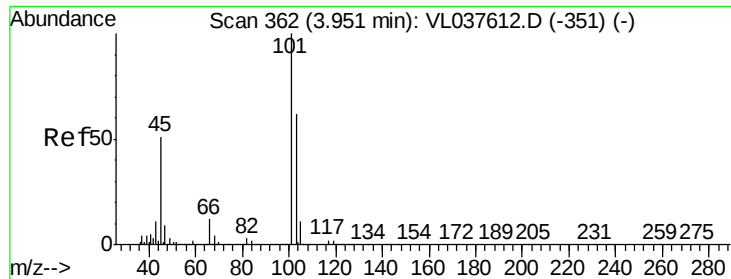
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#18
1,1-Dichloroethene
Concen: 11.002 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 96 Resp: 817402
Ion Ratio Lower Upper
96 100
61 179.8 150.4 225.6
98 63.4 52.1 78.1





#19

Isopropyl Alcohol

Concen: 11.552 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 971299

Ion Ratio Lower Upper

45 100

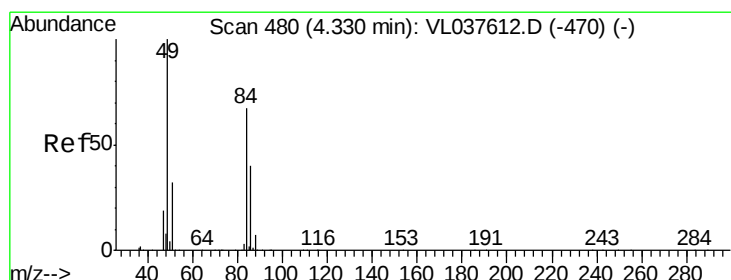
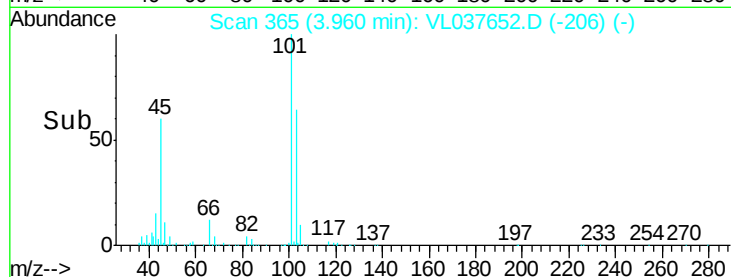
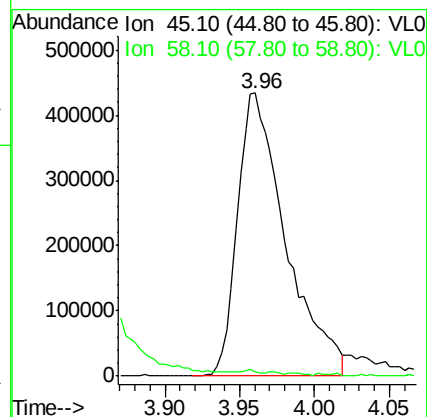
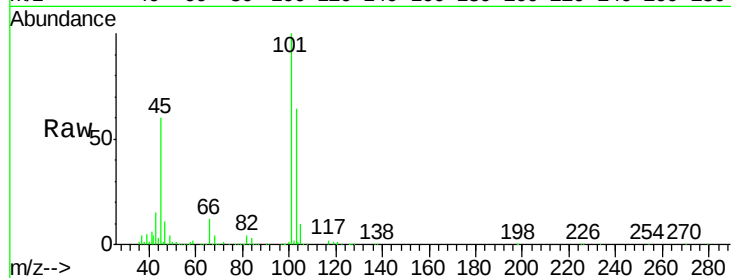
58 1.4 2.9 4.3#

Manual Integrations

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#20

Methylene Chloride

Concen: 9.440 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 84 Resp: 696398

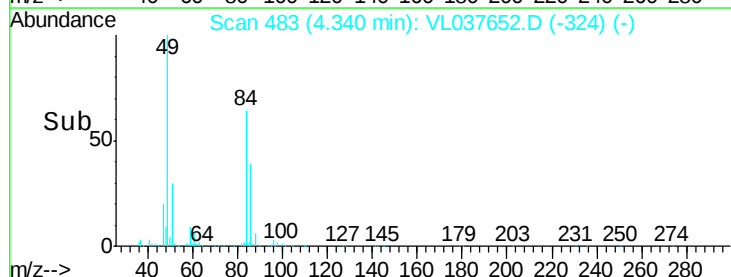
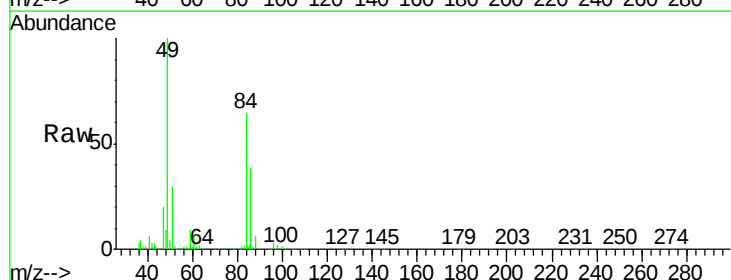
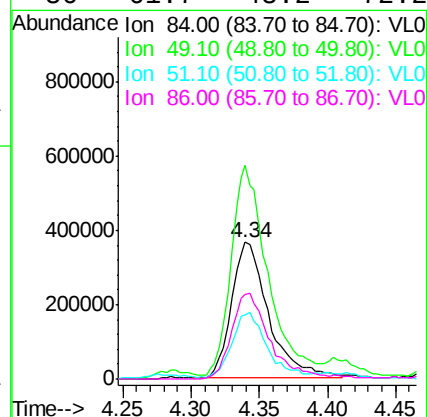
Ion Ratio Lower Upper

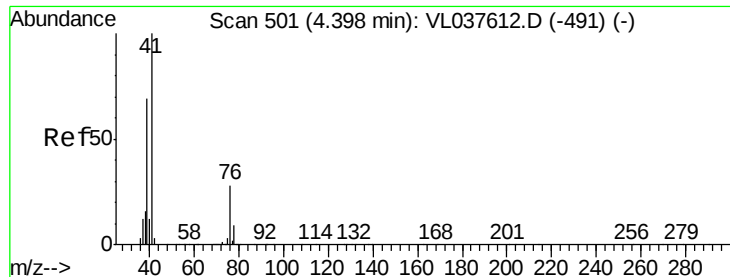
84 100

49 153.8 120.0 180.0

51 45.2 38.0 57.0

86 61.7 48.2 72.2





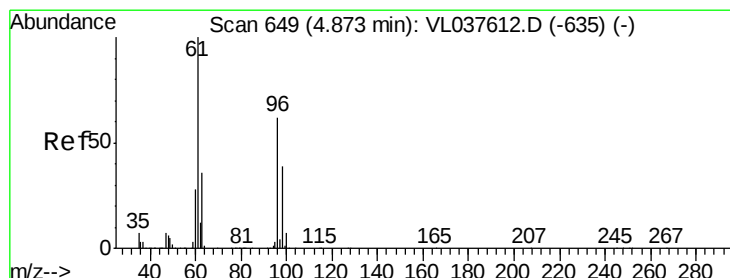
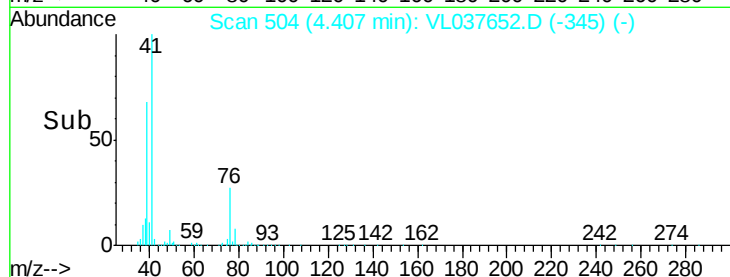
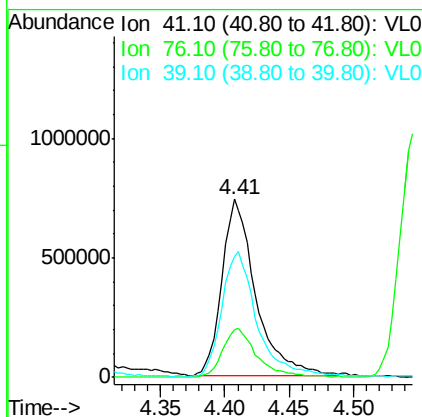
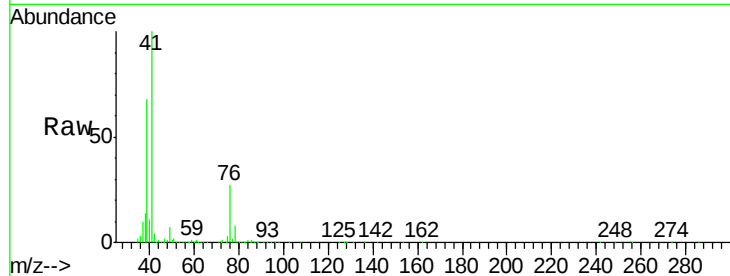
#21
Allvl Chloride
Concen: 11.621 ppbv
RT: 4.41 min Scan# 504
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1341598
Ion Ratio Lower Upper
41 100
76 28.7 23.1 34.7
39 73.9 61.0 91.6

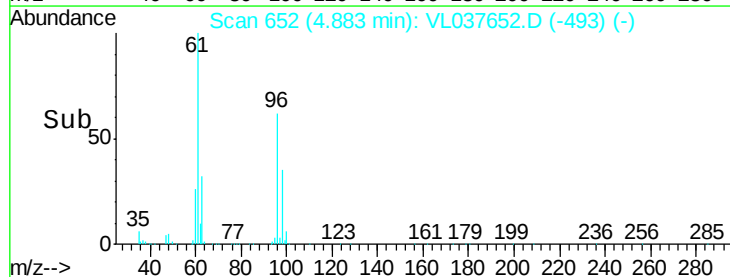
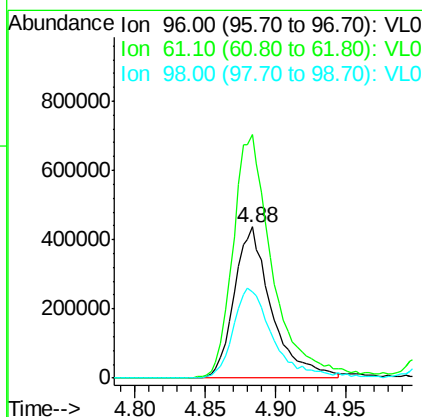
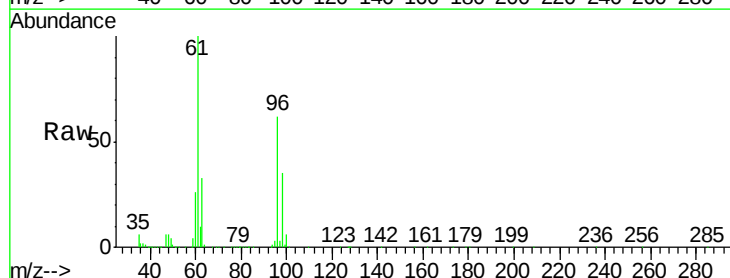
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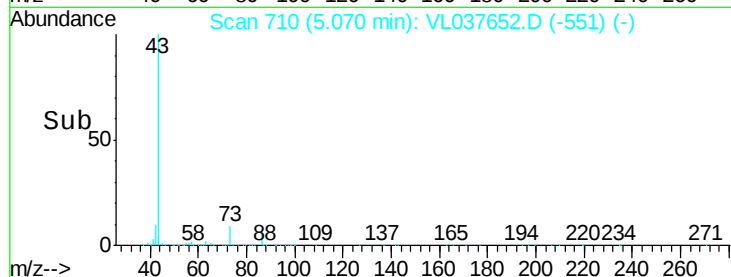
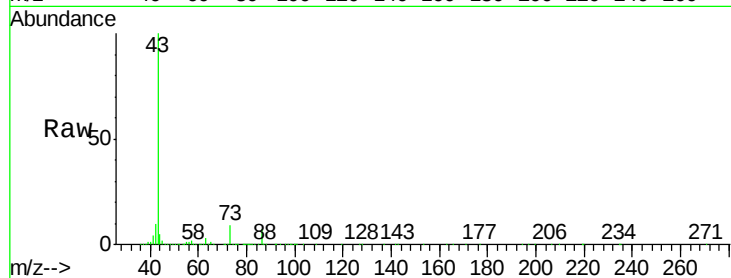
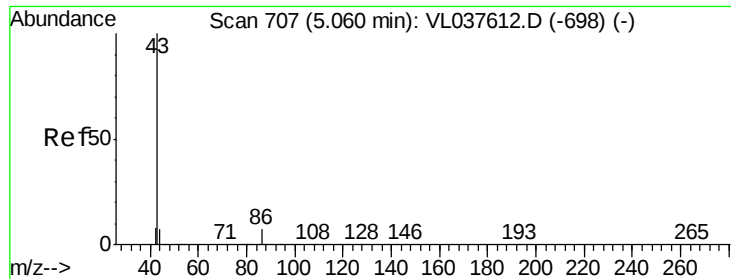
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#22
trans-1,2-Dichloroethene
Concen: 10.818 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 96 Resp: 808667
Ion Ratio Lower Upper
96 100
61 160.6 129.2 193.8
98 56.4 50.4 75.6





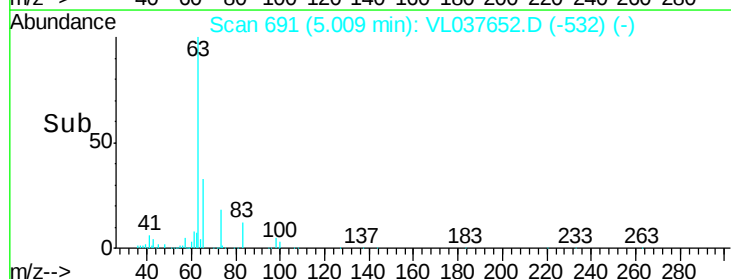
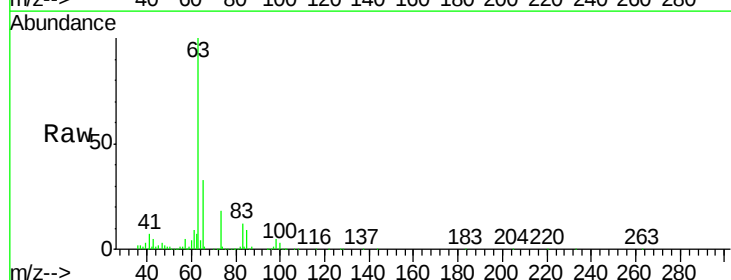
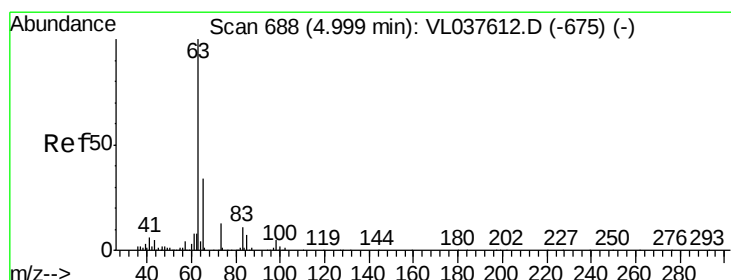
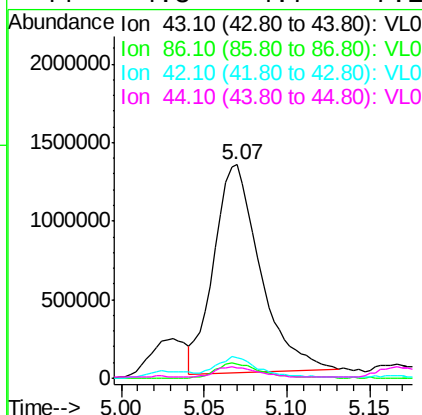
#23
 Vinyl Acetate
 Concen: 12.099 ppbv
 RT: 5.07 min Scan# 710
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tot Ion	43	Resp	2587160
Ion	Ratio	Lower	Upper
43	100		
86	6.7	5.0	7.6
42	9.5	7.5	11.3
44	4.3	4.7	7.1#

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

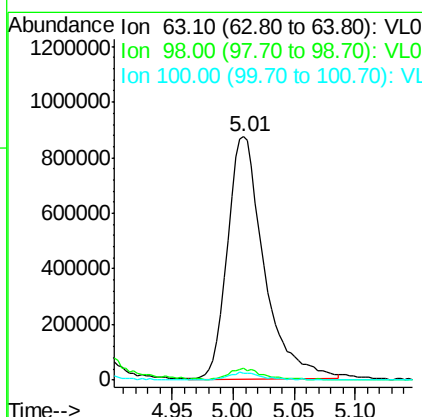
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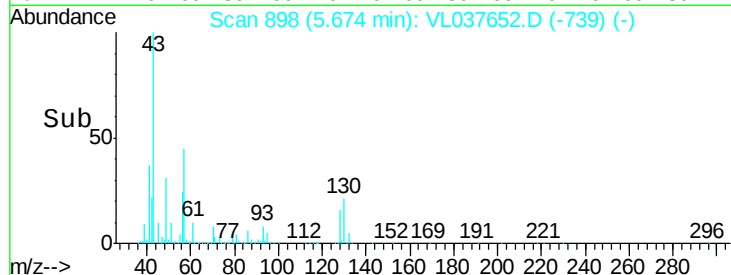
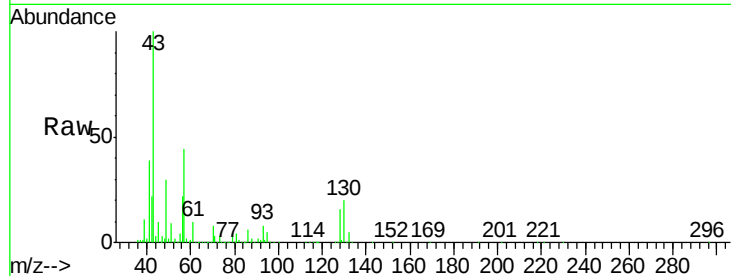
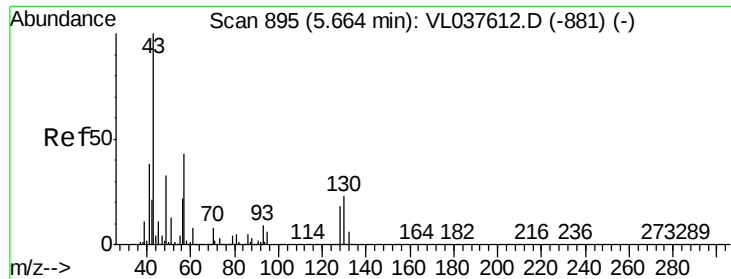
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#24
 1,1-Dichloroethane
 Concen: 11.986 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion	63	Resp	1836121
Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.2
100	2.6	1.1	3.5





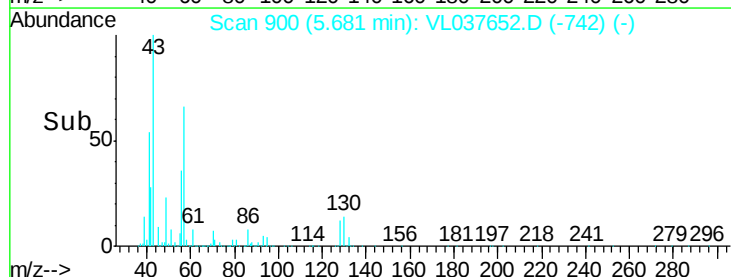
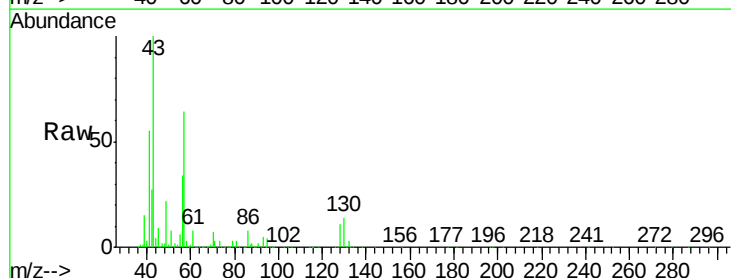
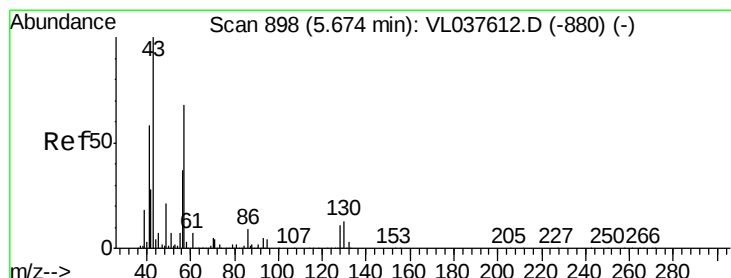
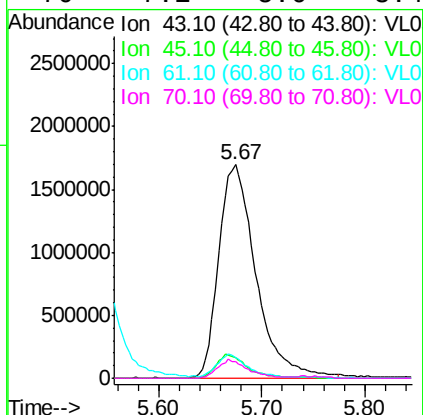
#25
Ethyl Acetate
Concen: 11.367 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tot Ion	43	Resp	4254239
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.9	7.5	11.3
70	7.1	5.6	8.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

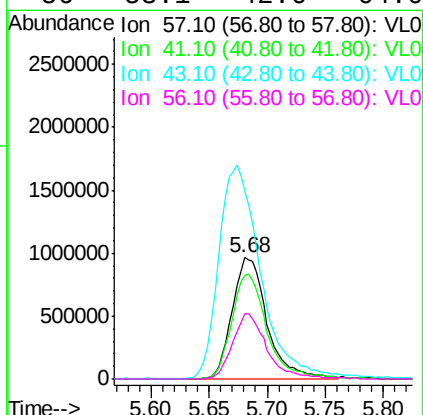
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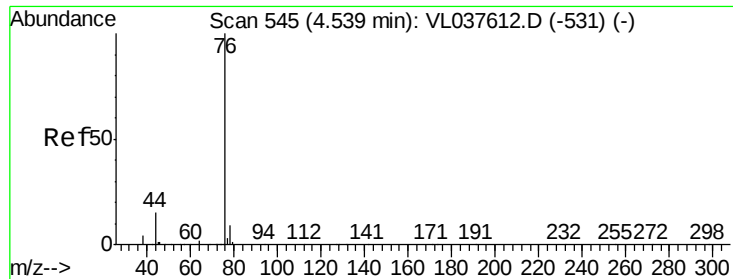
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#26
Hexane
Concen: 11.346 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion	57	Resp	2017044
Ion	Ratio	Lower	Upper
57	100		
41	87.8	70.9	106.3
43	214.2	170.4	255.6
56	53.1	42.6	64.0





#27

Carbon Disulfide

Concen: 12.335 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 2006193

Ion Ratio Lower Upper

76 100

44 18.2 14.2 21.2

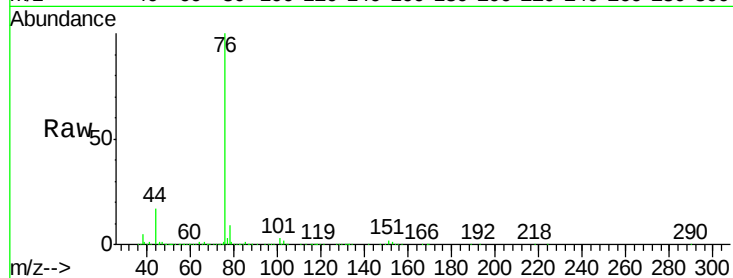
78 9.5 7.4 11.0

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MMDadoda

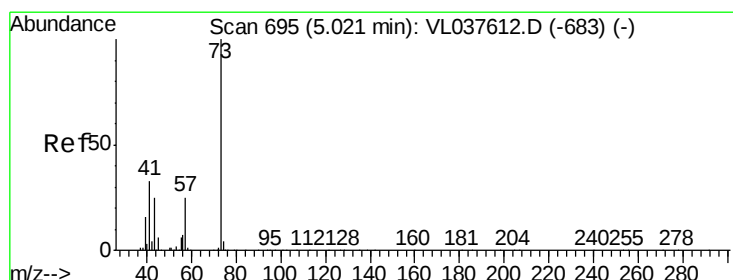
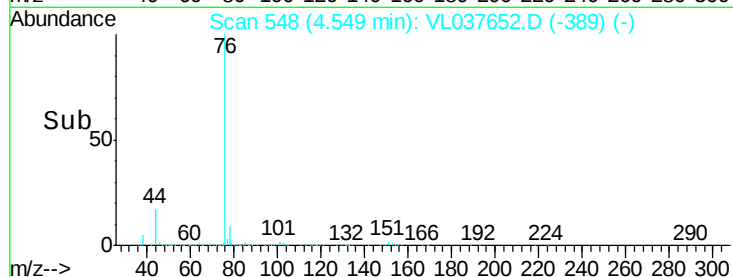
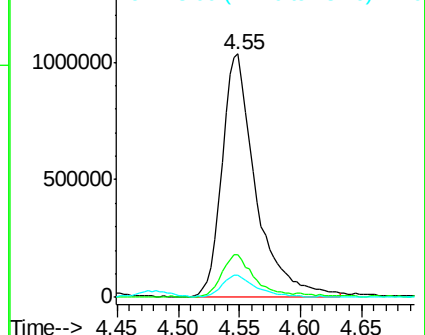
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 13.749 ppbv

RT: 5.03 min Scan# 697

Delta R.T. 0.01 min

Lab File: VL037652.D

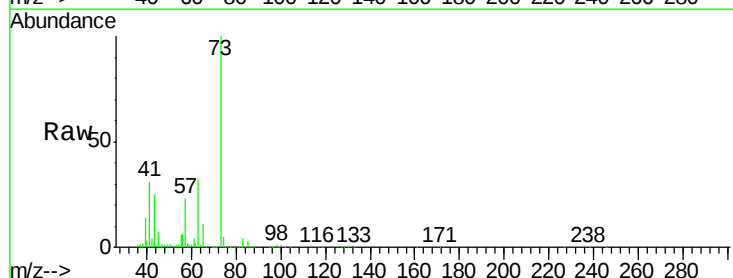
Acq: 18 Sep 2021 11:23

Tgt Ion: 73 Resp: 2152884

Ion Ratio Lower Upper

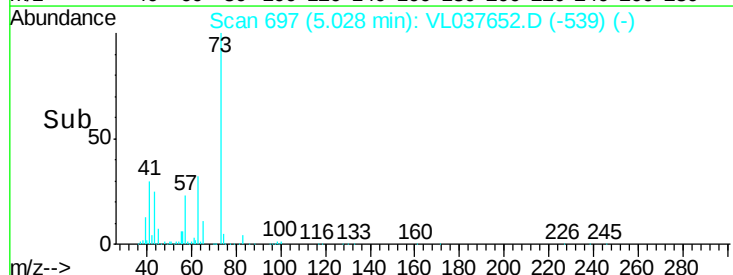
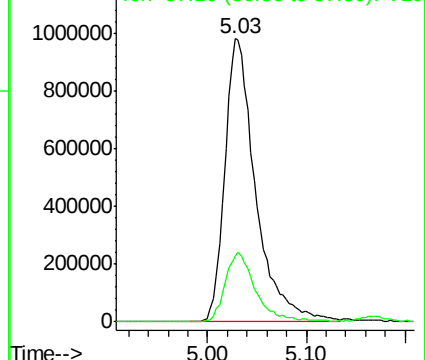
73 100

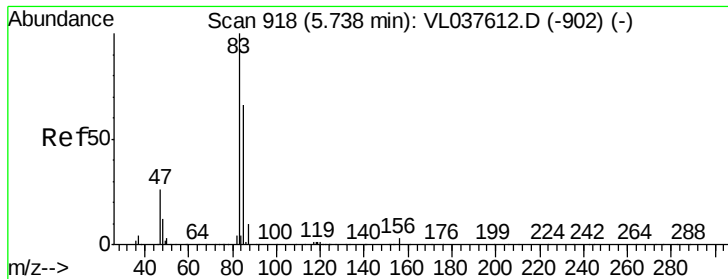
57 24.3 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





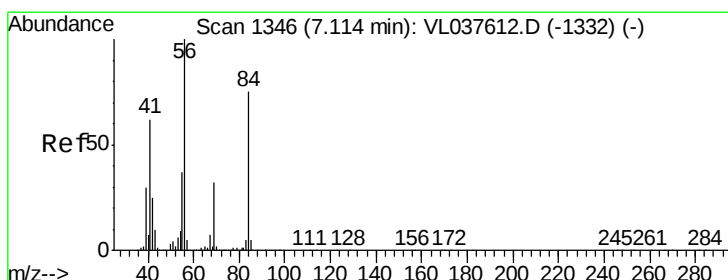
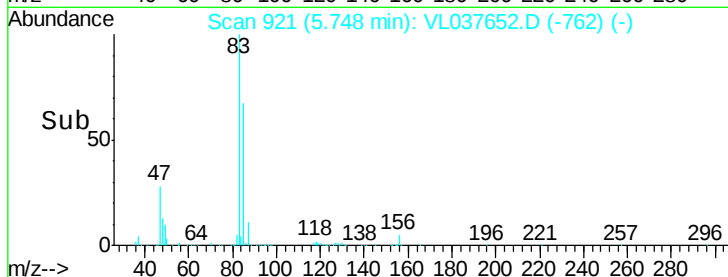
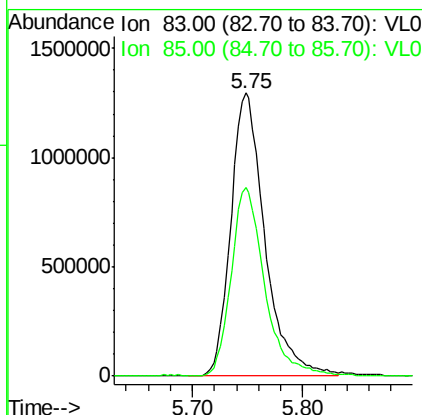
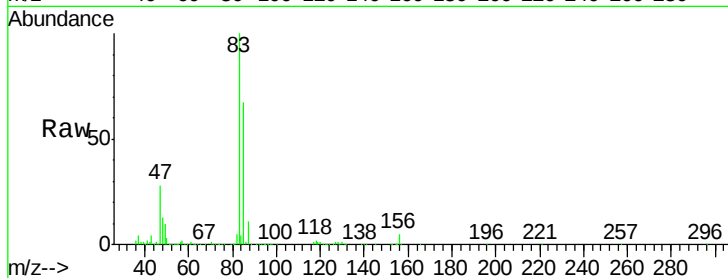
#29
Chloroform
Concen: 10.706 ppbv
RT: 5.75 min Scan# 921
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2779169
Ion Ratio Lower Upper
83 100
85 66.6 52.6 79.0

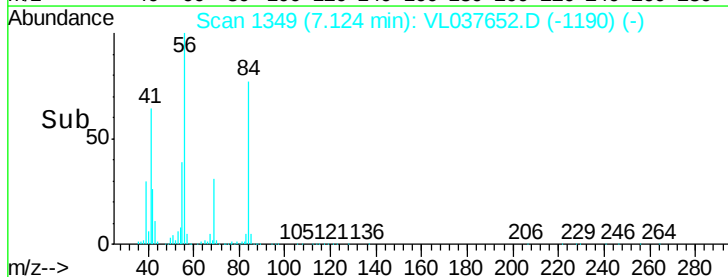
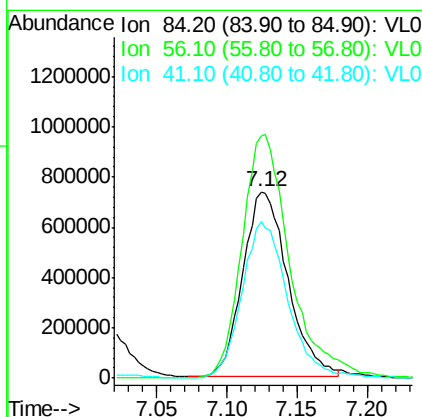
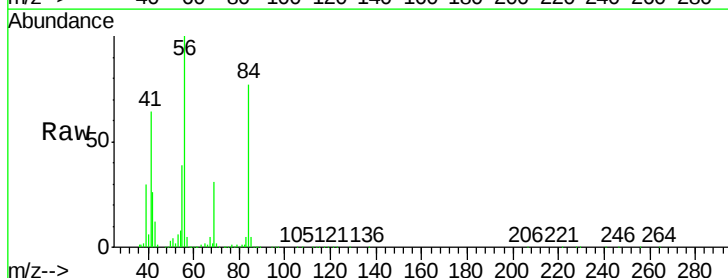
Manual Integrations
APPROVED

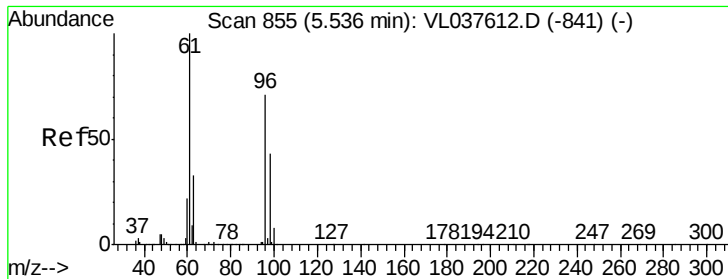
MMDadoda
9/20/2021 5:28:52 PM



#30
Cyclohexane
Concen: 10.899 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 84 Resp: 1657241
Ion Ratio Lower Upper
84 100
56 140.1 113.6 170.4
41 85.7 67.9 101.9





#31

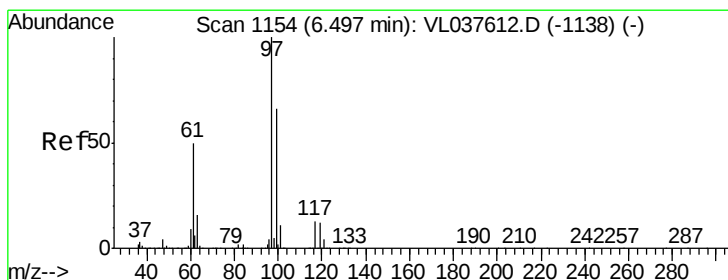
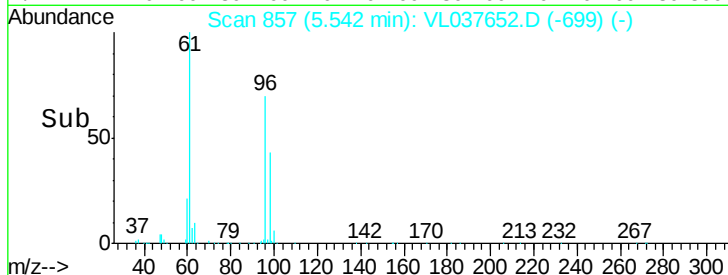
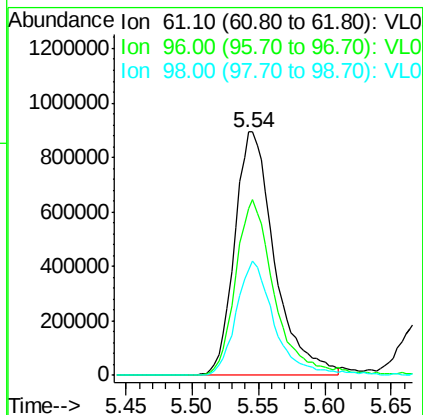
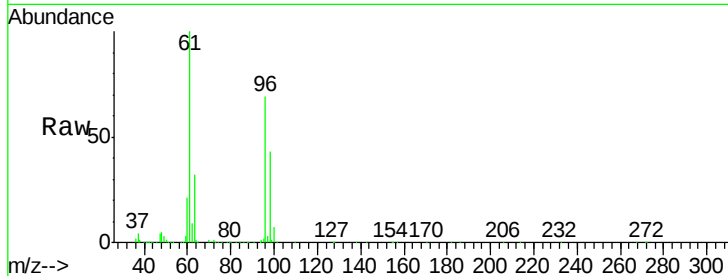
cis-1,2-Dichloroethene
Concen: 11.597 ppbv
RT: 5.54 min Scan# 857
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.5	56.7	85.1
98	43.3	34.6	52.0

Manual Integrations
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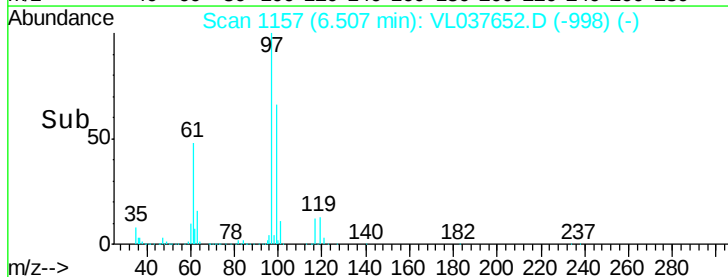
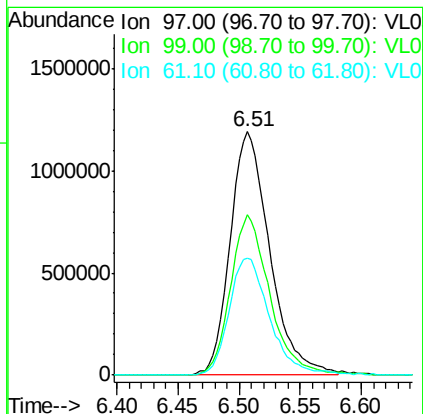
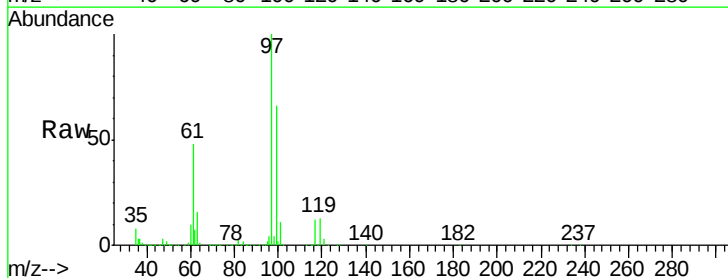
MMDadoda
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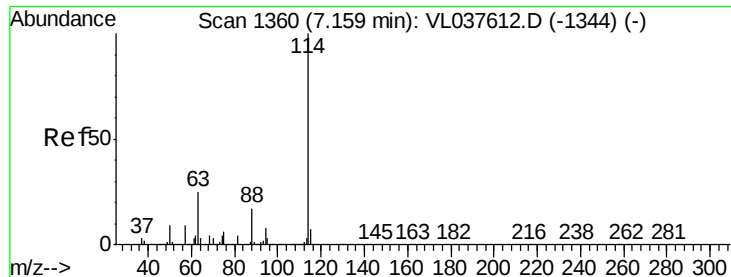


#32

1,1,1-Trichloroethane
Concen: 11.095 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.3	78.5
61	49.4	39.5	59.3





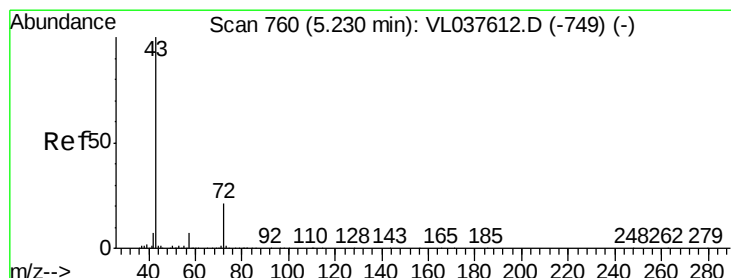
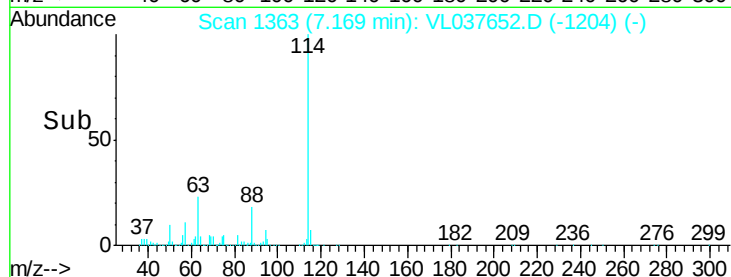
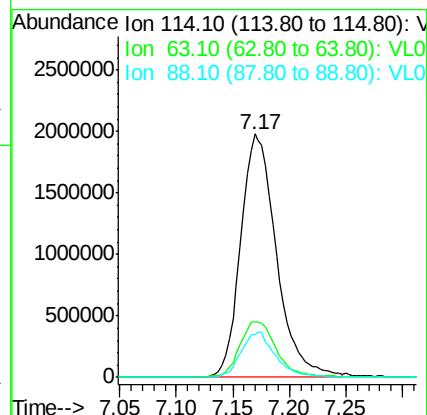
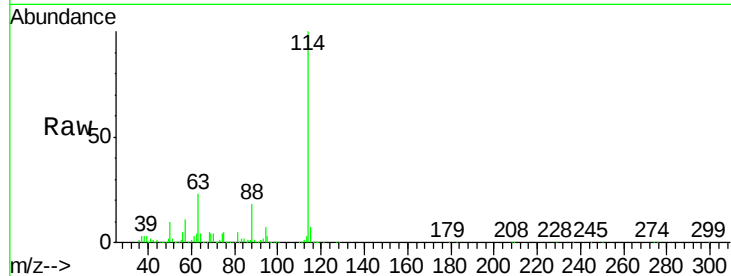
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.6	29.4
88	18.0	14.2	21.4

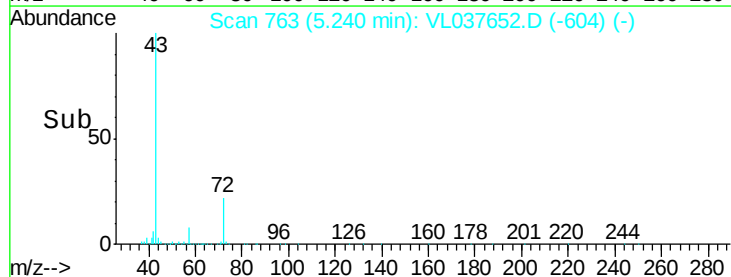
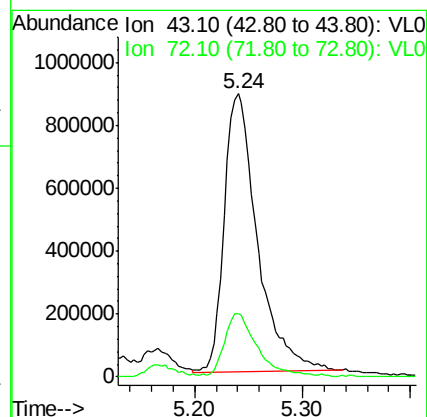
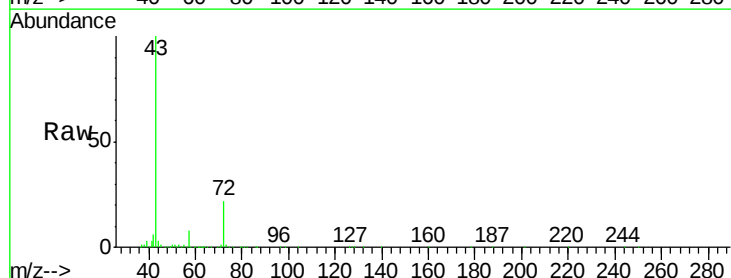
Manual Integrations
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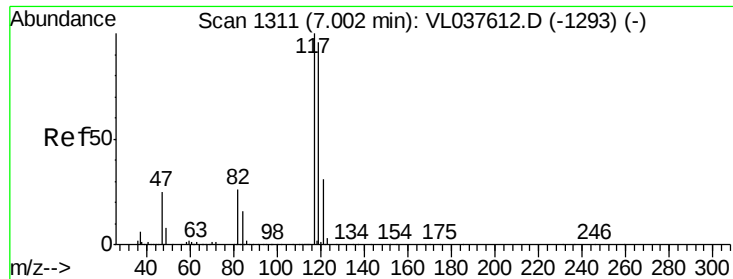
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#34
 2-Butanone
 Concen: 10.771 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	18.4	27.6





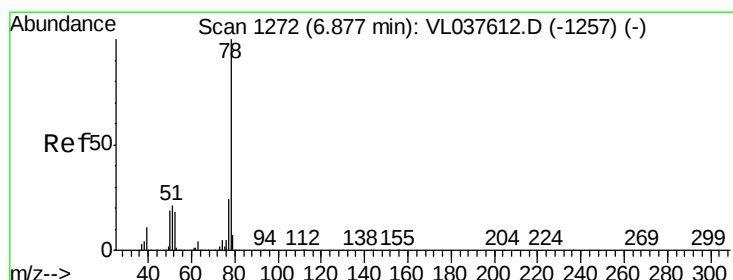
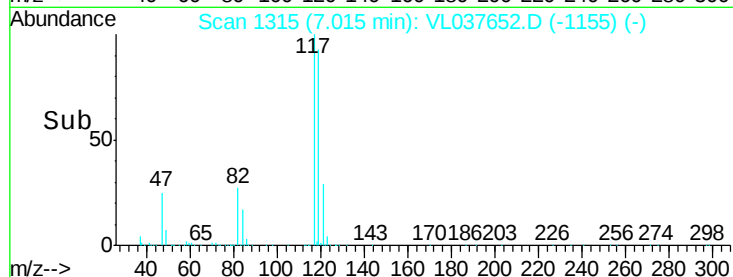
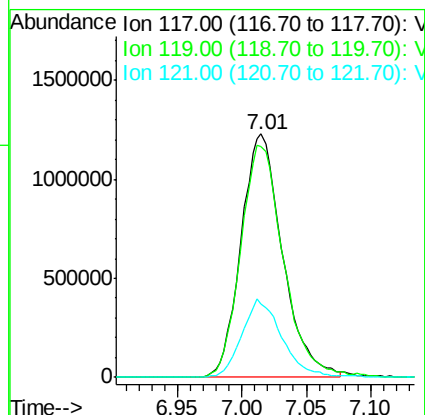
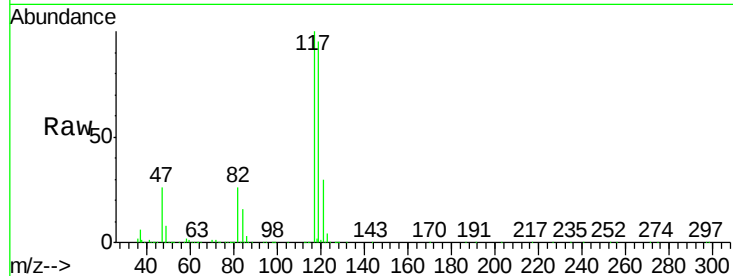
#35
Carbon Tetrachloride
Concen: 11.181 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.0	115.6
121	30.1	24.5	36.7

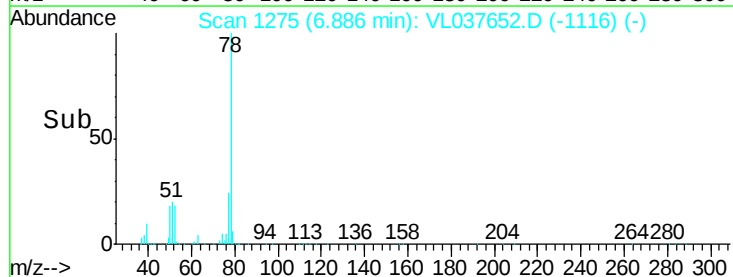
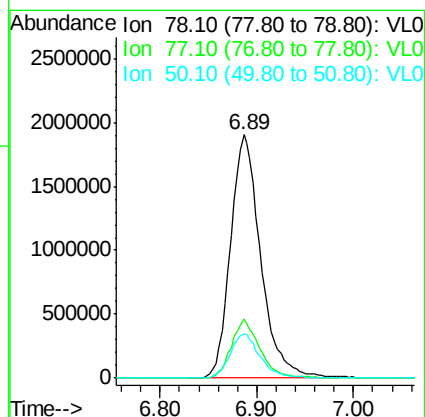
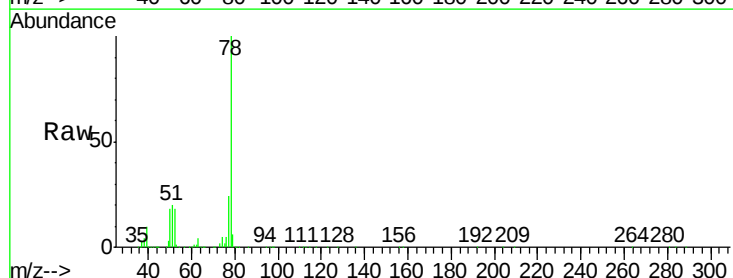
Manual Integrations
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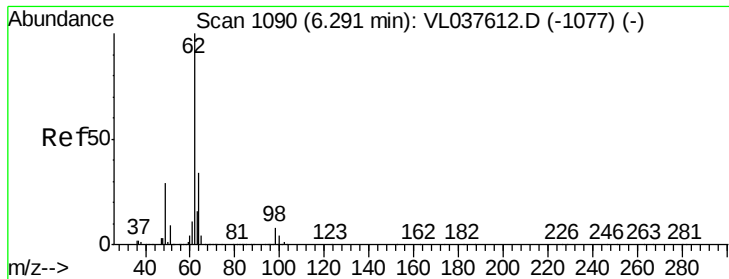
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#36
Benzene
Concen: 11.349 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4
50	17.9	14.8	22.2





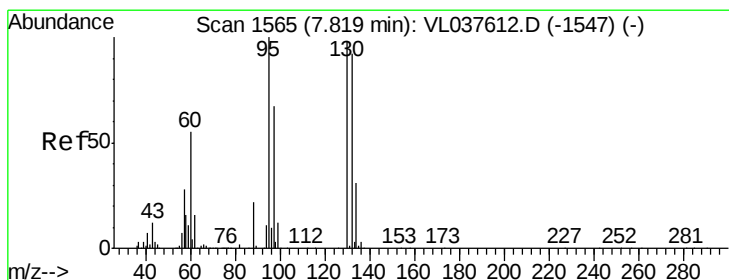
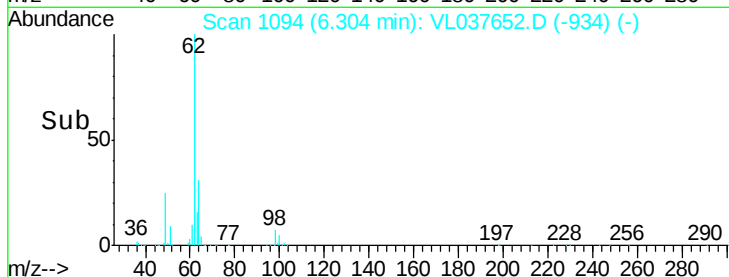
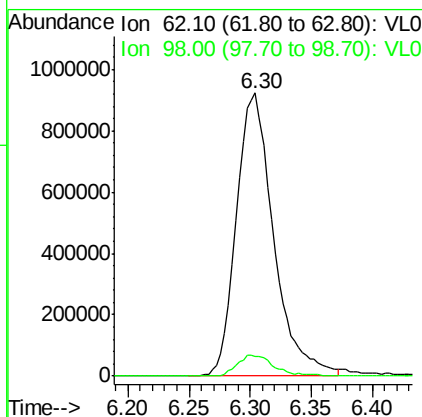
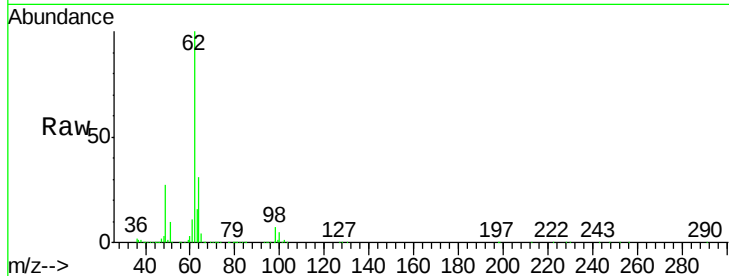
#37
 1,2-Dichloroethane
 Concen: 10.932 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1953099
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1

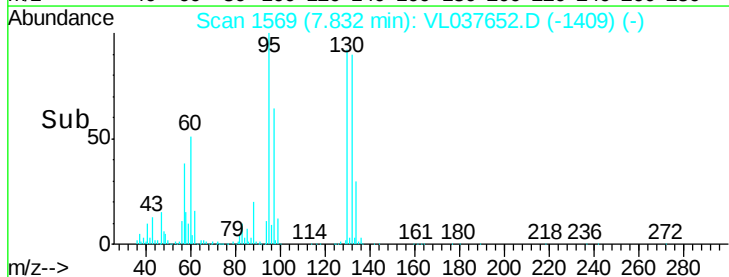
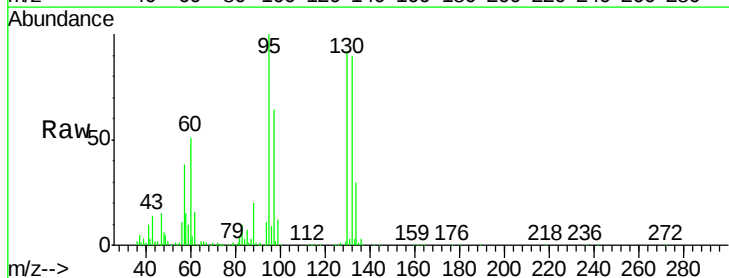
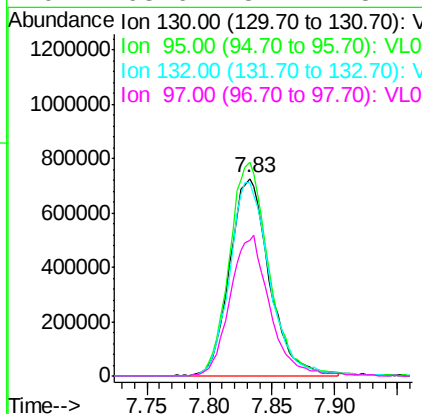
Manual Integrations
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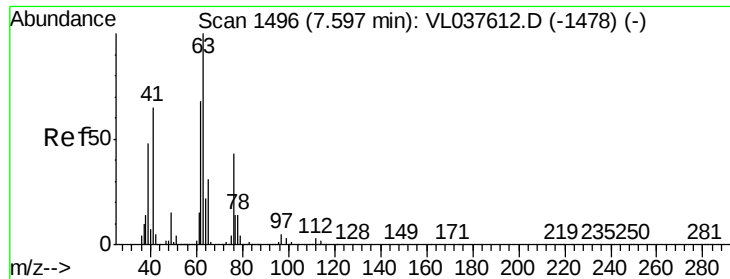
MMDadoda
 9/20/2021 5:28:52 PM



#38
 Trichloroethene
 Concen: 10.561 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion: 130 Resp: 1602589
 Ion Ratio Lower Upper
 130 100
 95 107.9 81.8 122.6
 132 97.4 75.3 112.9
 97 68.6 54.7 82.1





#39

1,2-Dichloropropane

Concen: 11.247 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1564806

Ion Ratio Lower Upper

63 100

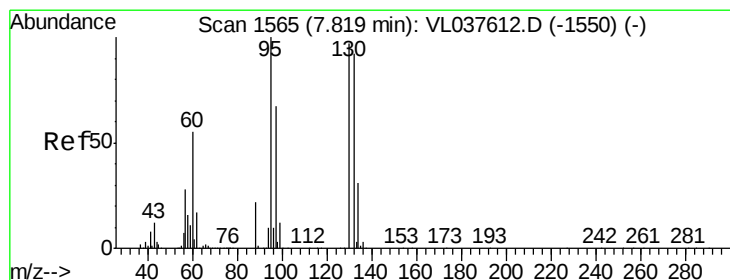
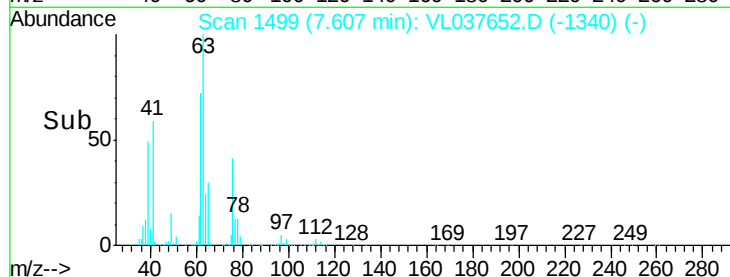
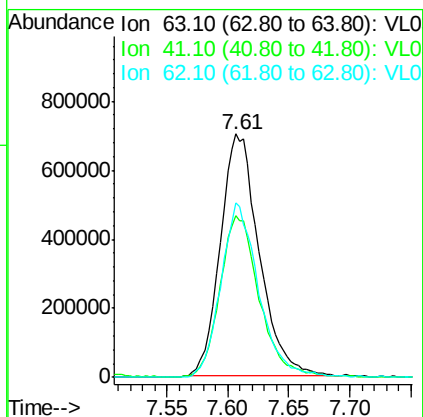
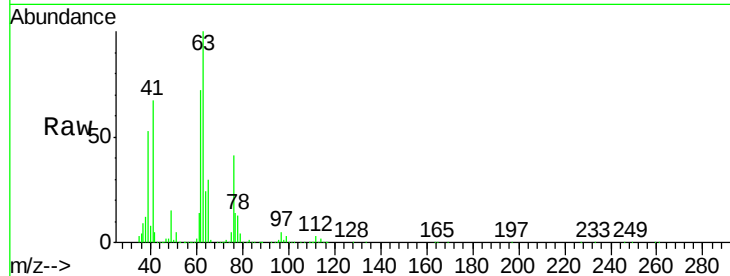
41 66.2 51.6 77.4

62 71.8 54.6 81.8

Manual Integrations
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#40

1,4-Dioxane

Concen: 11.398 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 88 Resp: 385746

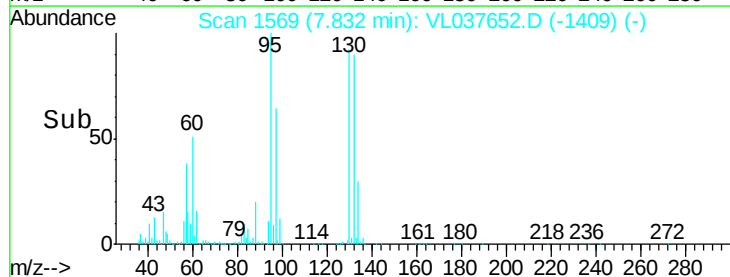
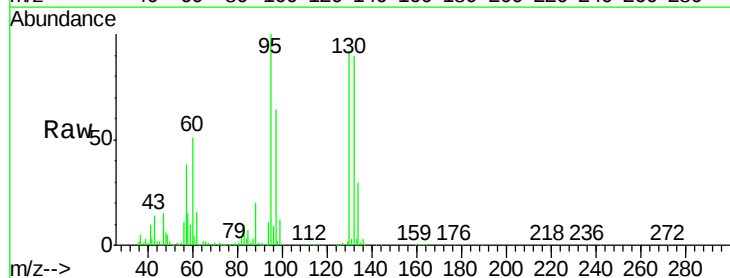
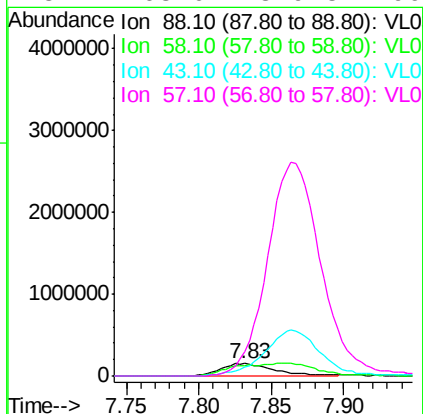
Ion Ratio Lower Upper

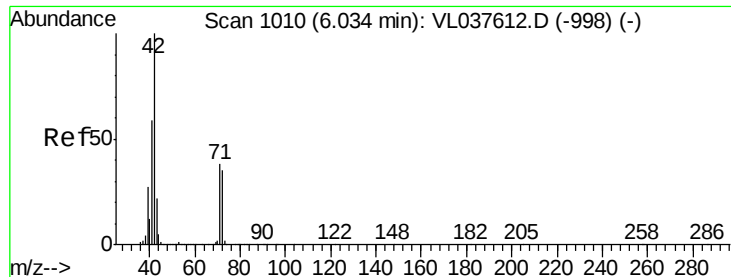
88 100

58 163.9 122.4 183.6

43 397.5 297.4 446.0

57 1763.0 1329.8 1994.8





#41

Tetrahydrofuran

Concen: 12.011 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

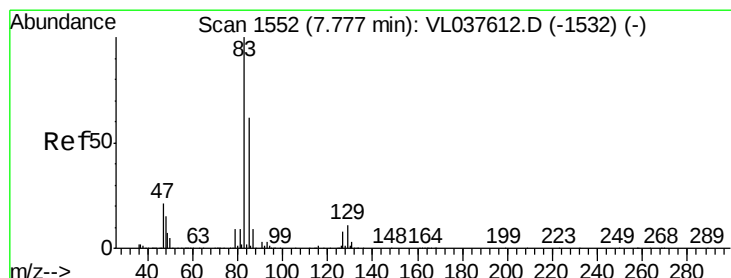
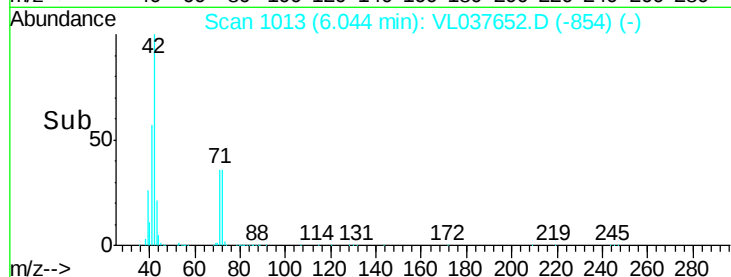
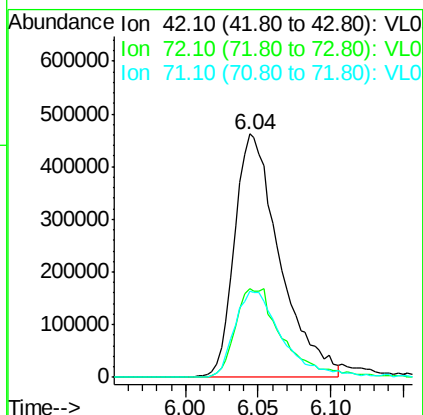
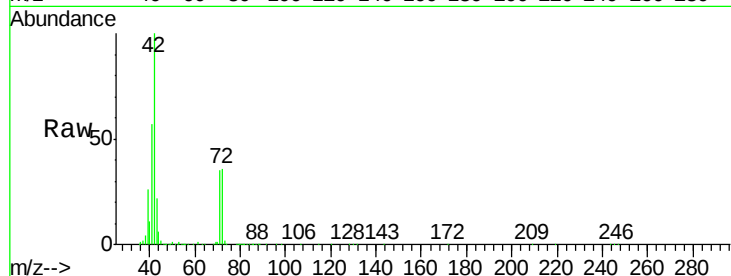
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	31.4	47.2
71	38.1	30.6	46.0

Manual Integrations
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#42

Bromodichloromethane

Concen: 11.364 ppbv

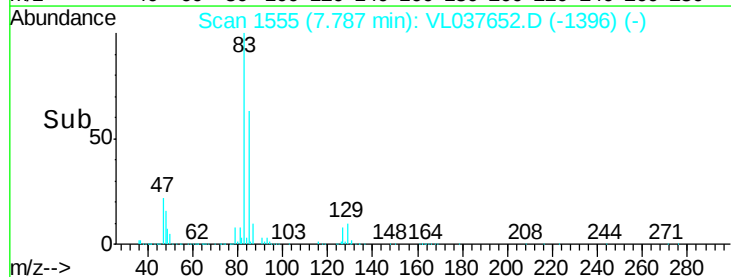
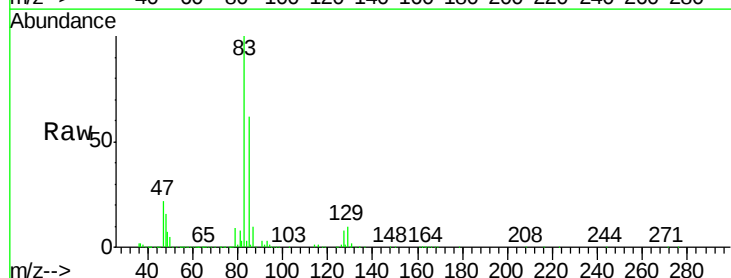
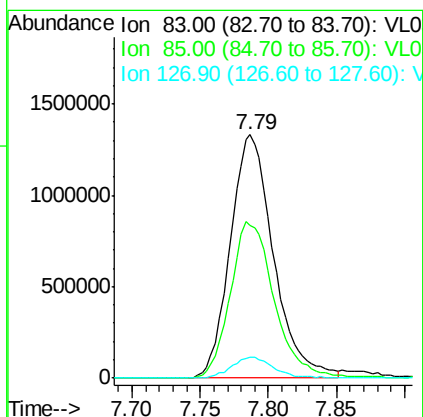
RT: 7.79 min Scan# 1555

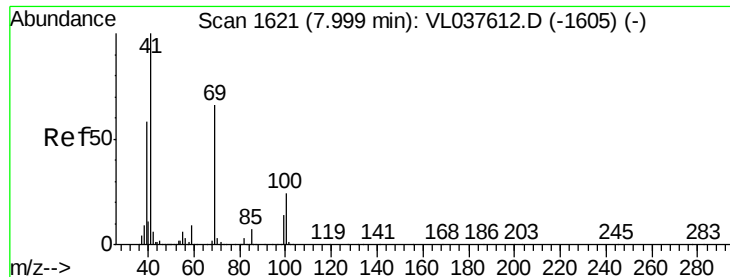
Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	49.8	74.6
127	8.3	6.4	9.6





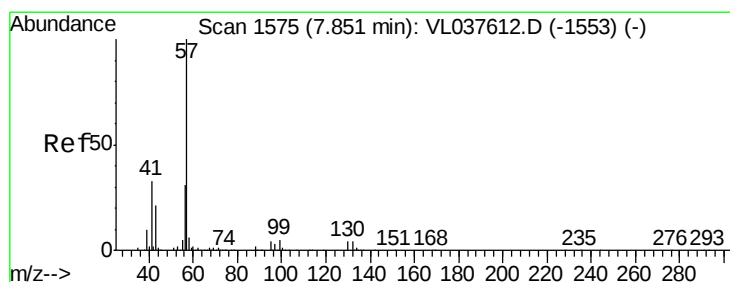
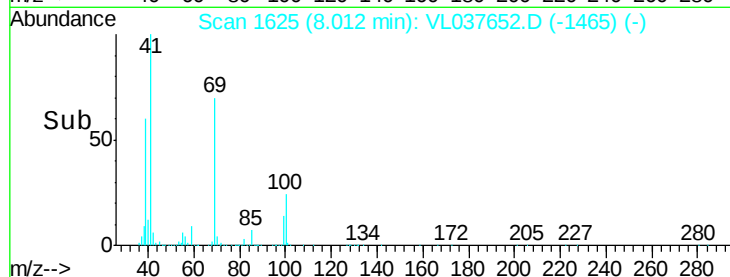
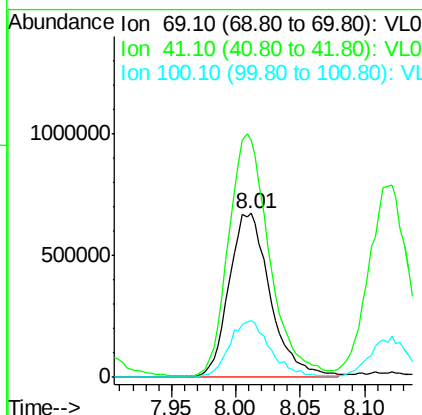
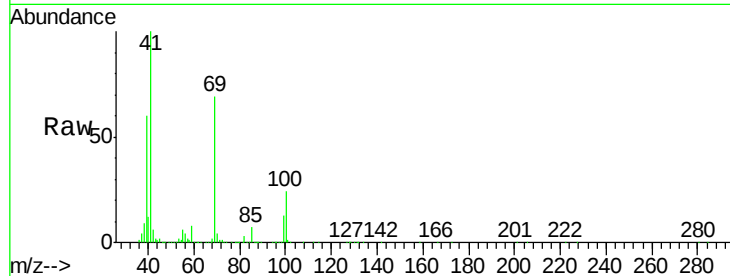
#43
Methvl Methacrilate
Concen: 12.434 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1502585
Ion Ratio Lower Upper
69 100
41 146.2 119.0 178.4
100 34.4 27.6 41.4

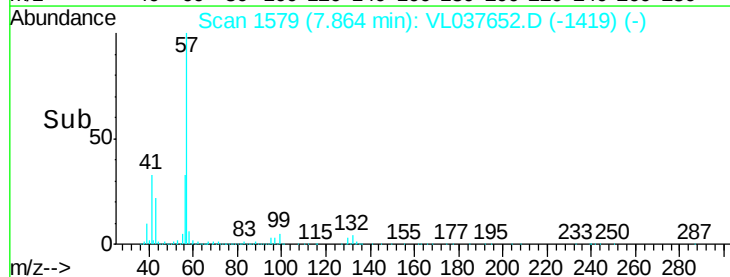
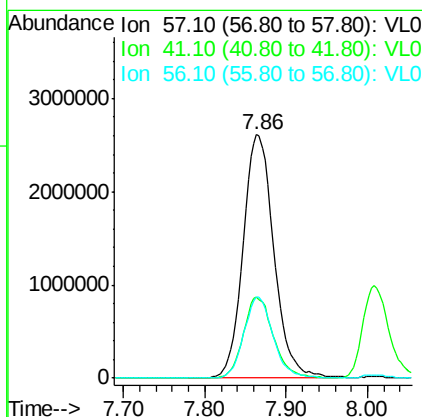
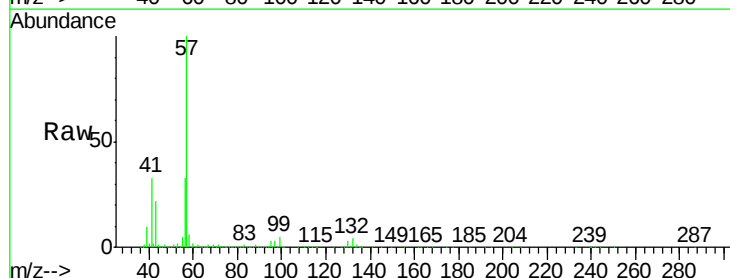
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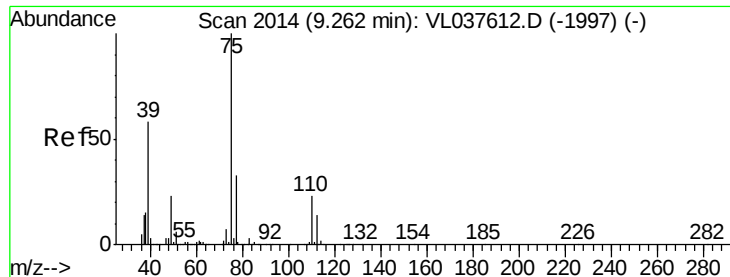
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 11.103 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 57 Resp: 6780484
Ion Ratio Lower Upper
57 100
41 32.3 26.1 39.1
56 31.7 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 13.675 ppbv

RT: 9.27 min Scan# 2017

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1298117

Ion Ratio Lower Upper

75 100

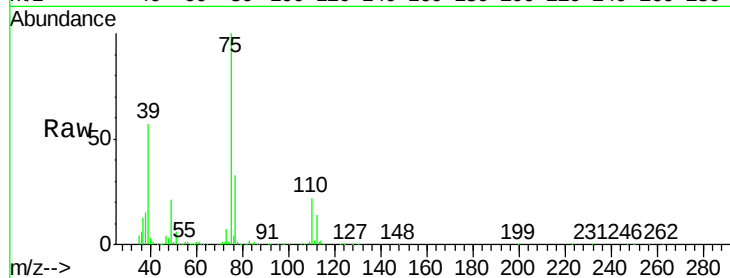
77 33.2 26.3 39.5

Manual Integrations

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

600000

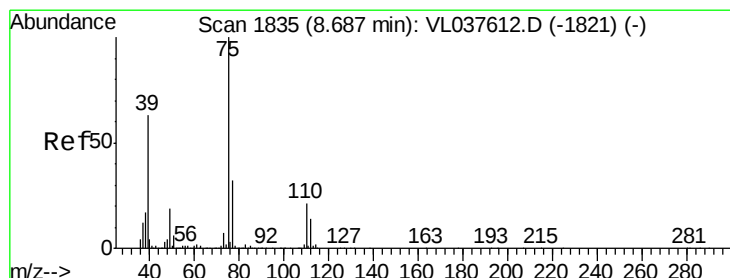
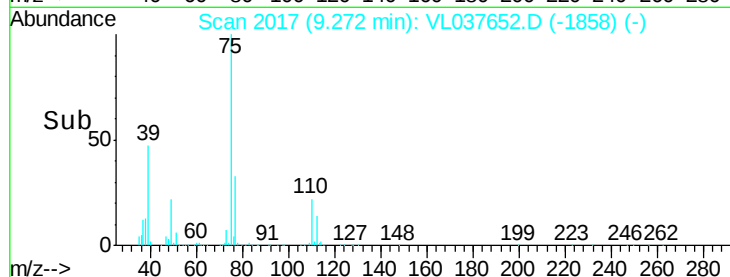
400000

200000

0

9.15 9.20 9.25 9.30 9.35

Time-->



#46

cis-1,3-Dichloropropene

Concen: 13.032 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

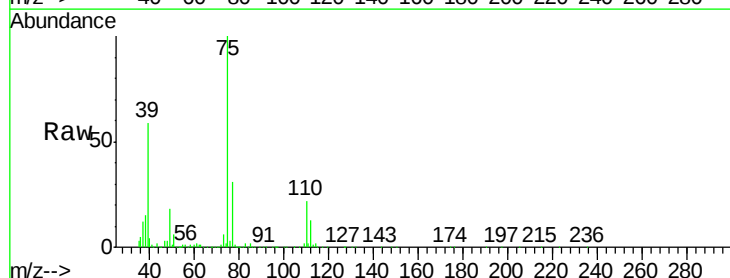
Tgt Ion: 75 Resp: 1671004

Ion Ratio Lower Upper

75 100

39 59.1 50.2 75.4

77 30.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

1000000

800000

600000

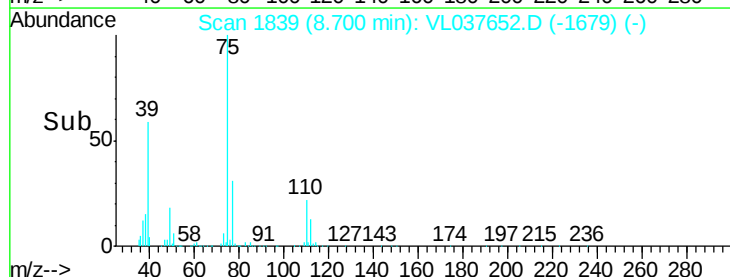
400000

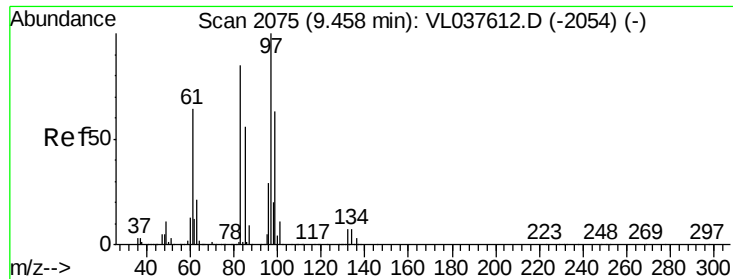
200000

0

8.60 8.65 8.70 8.75

Time-->





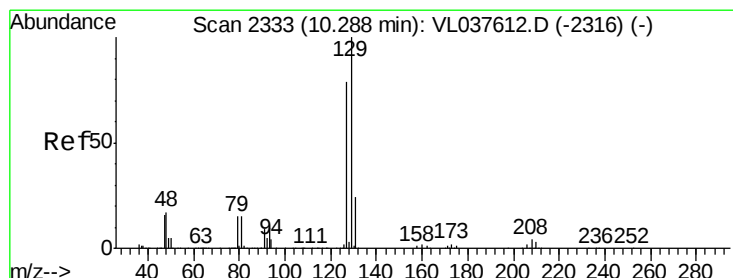
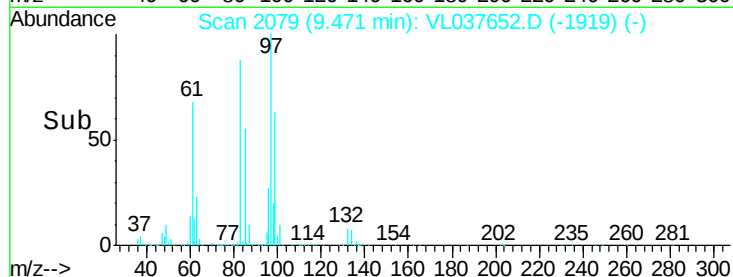
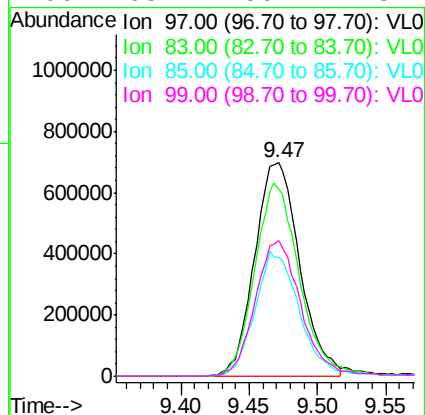
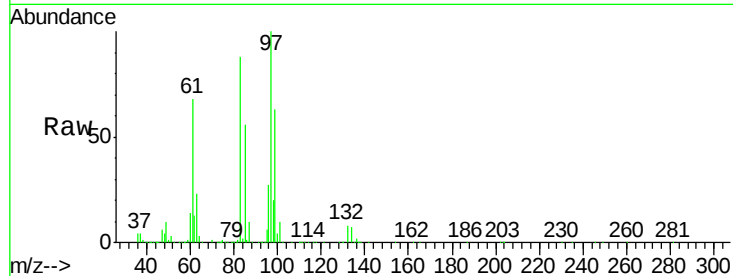
#47
 1,1,2-Trichloroethane
 Concen: 10.398 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1600305
Ion	Ratio	Lower	Upper
97	100		
83	87.5	67.9	101.9
85	55.5	44.8	67.2
99	63.4	50.1	75.1

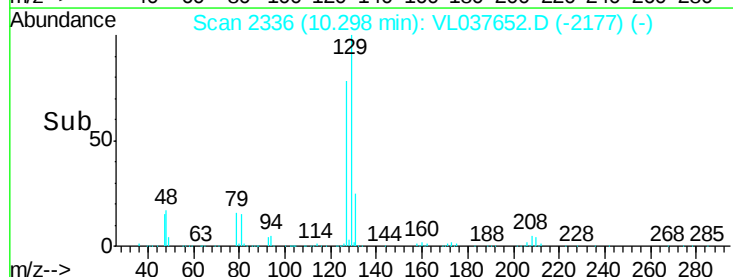
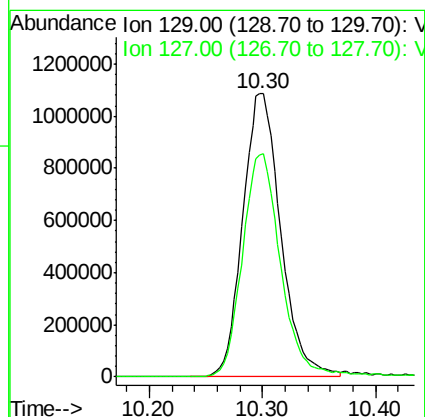
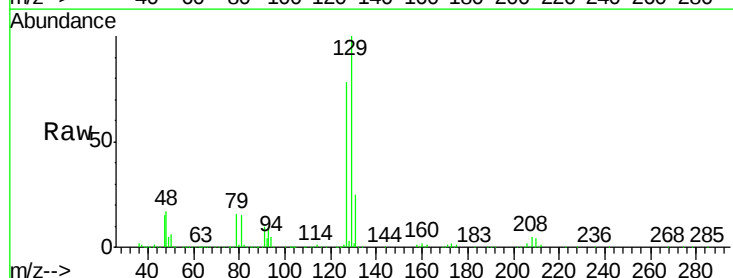
Manual Integrations
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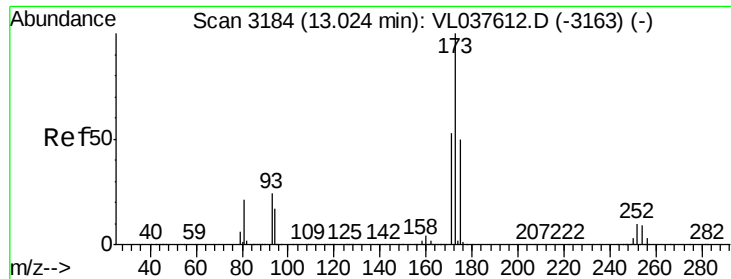
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#48
 Dibromochloromethane
 Concen: 11.820 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion	129	Resp	2537991
Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.3	117.8





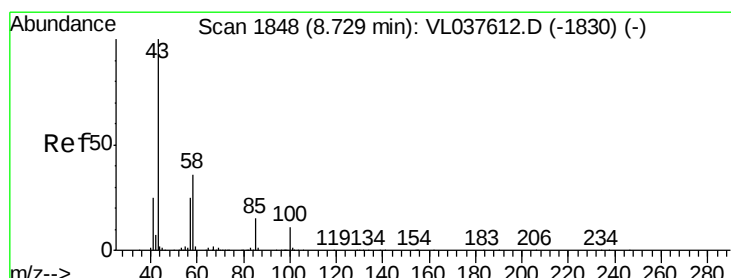
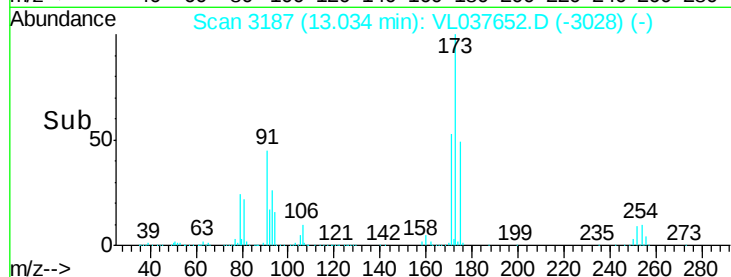
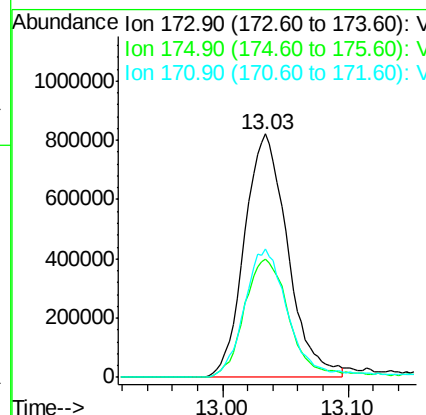
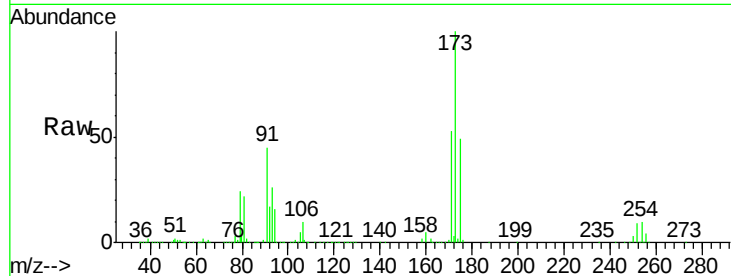
#49
Bromoform
Concen: 11.467 ppbv
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1970517
Ion Ratio Lower Upper
173 100
175 51.3 39.8 59.8
171 55.5 42.2 63.4

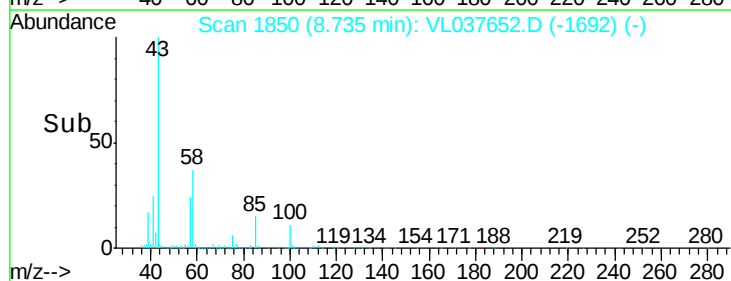
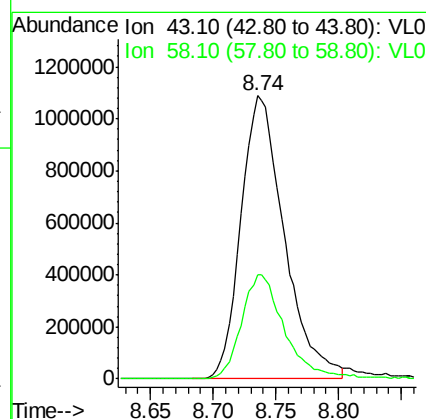
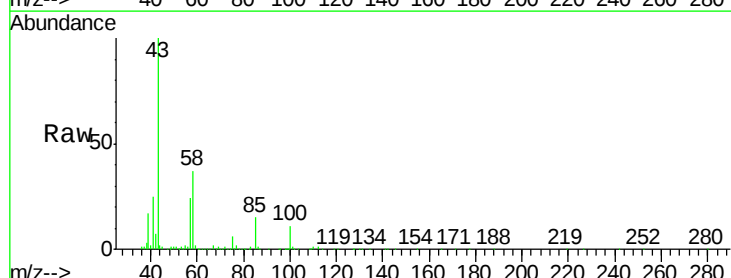
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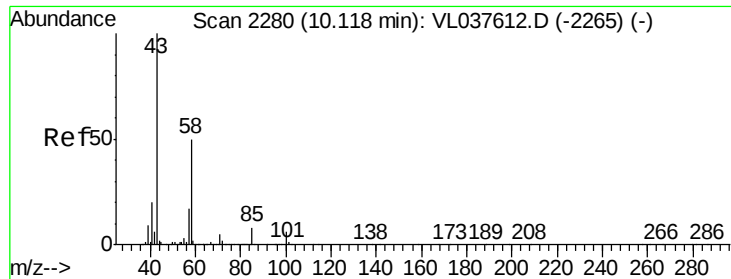
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#50
4-Methyl-2-Pentanone
Concen: 11.658 ppbv
RT: 8.74 min Scan# 1850
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 43 Resp: 2619423
Ion Ratio Lower Upper
43 100
58 37.0 29.4 44.2





#51

2-Hexanone

Concen: 12.051 ppbv

RT: 10.13 min Scan# 2284

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1194690

Ion Ratio Lower Upper

43 100

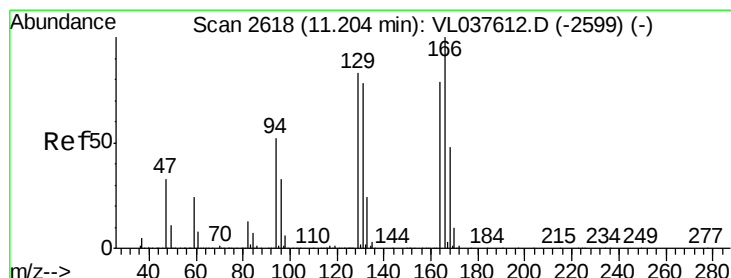
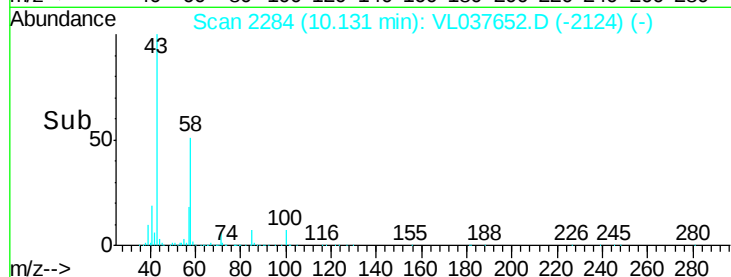
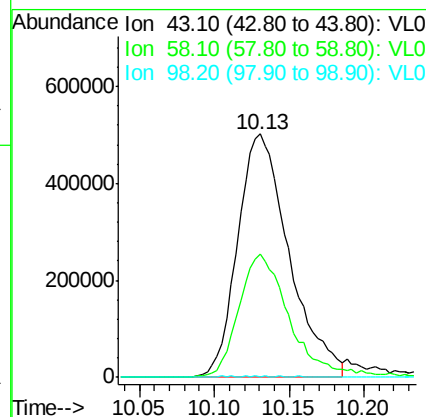
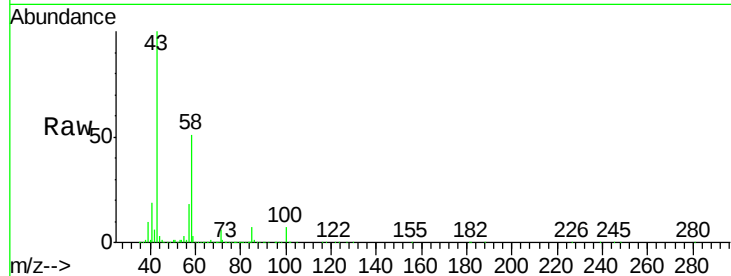
58 51.4 39.3 58.9

98 0.4 0.4 0.6#

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#52

Tetrachloroethene

Concen: 10.543 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 164 Resp: 1470234

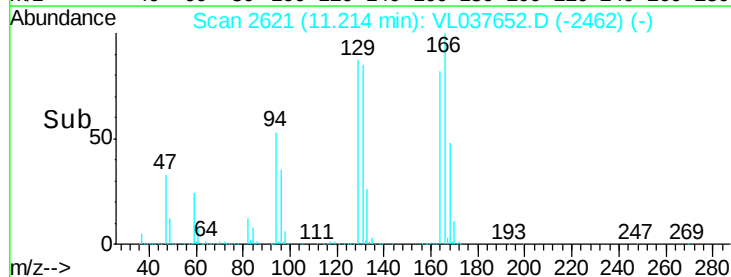
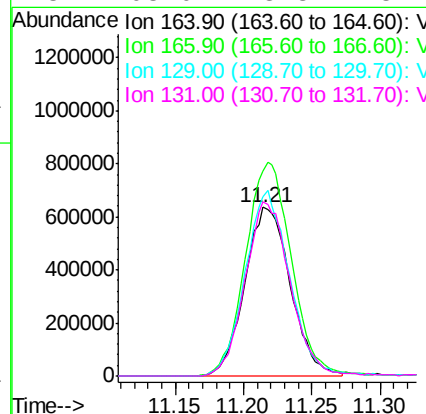
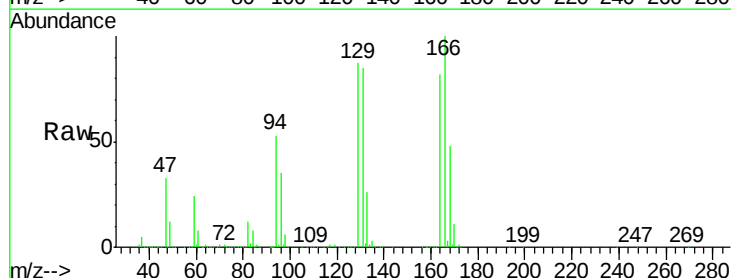
Ion Ratio Lower Upper

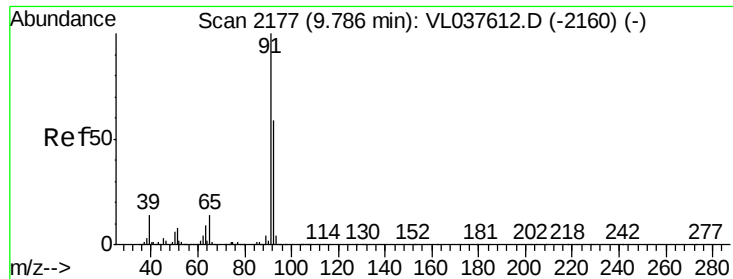
164 100

166 121.6 101.2 151.8

129 106.2 84.0 126.0

131 103.0 78.8 118.2





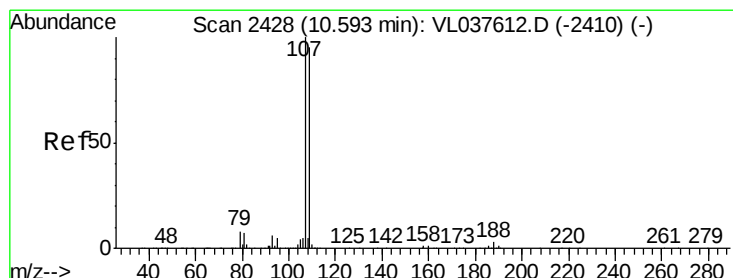
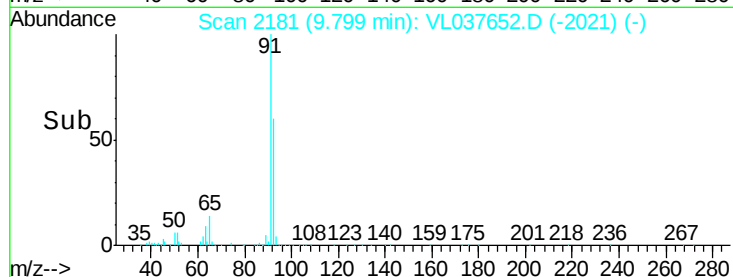
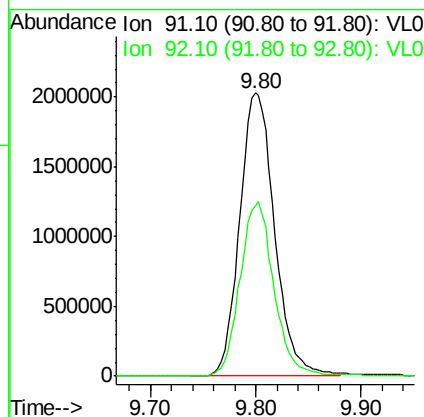
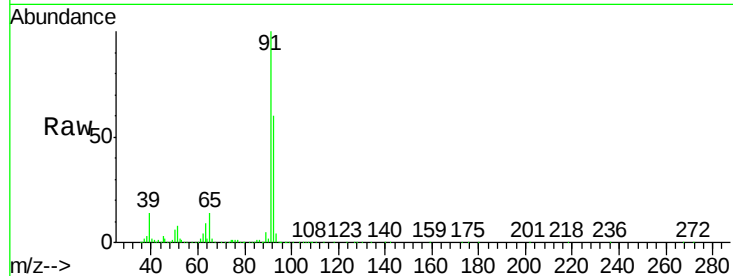
#53
Toluene
Concen: 11.568 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 4670807
Ion Ratio Lower Upper
91 100
92 60.3 48.9 73.3

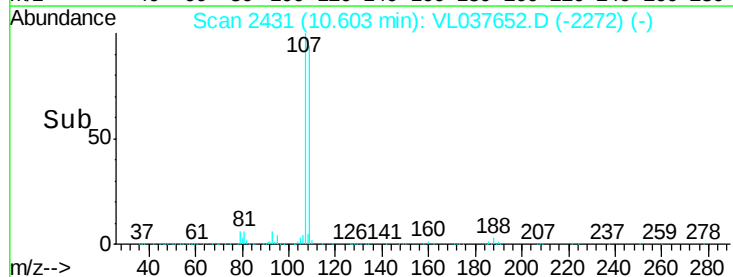
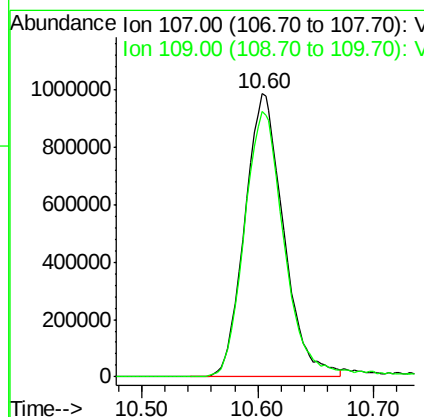
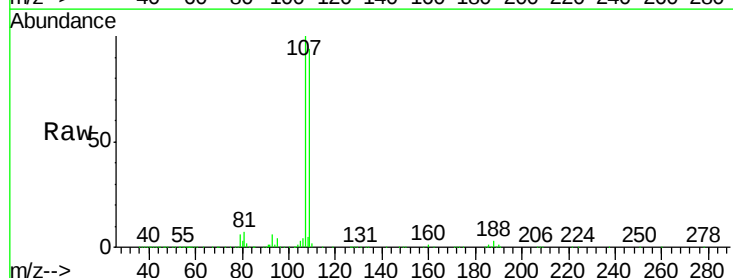
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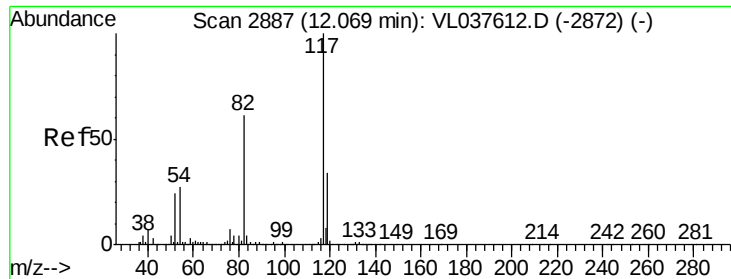
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#54
1,2-Dibromoethane
Concen: 10.906 ppbv
RT: 10.60 min Scan# 2431
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 107 Resp: 2298290
Ion Ratio Lower Upper
107 100
109 93.9 76.0 114.0





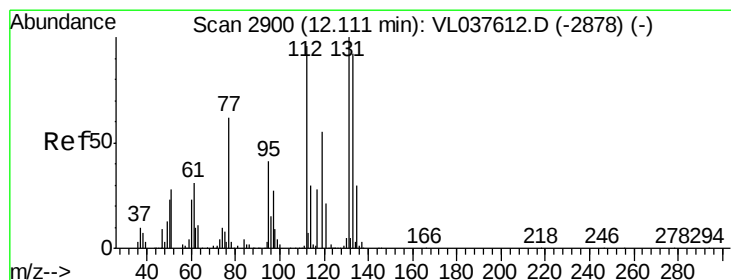
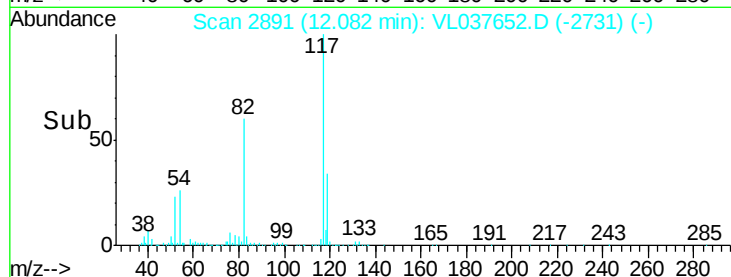
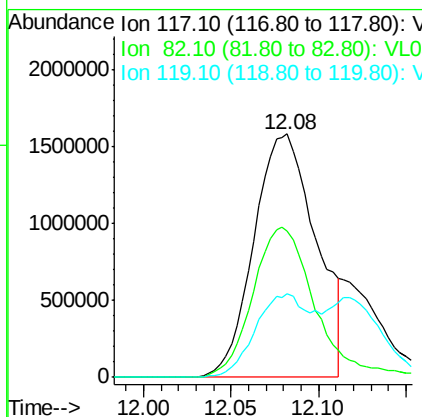
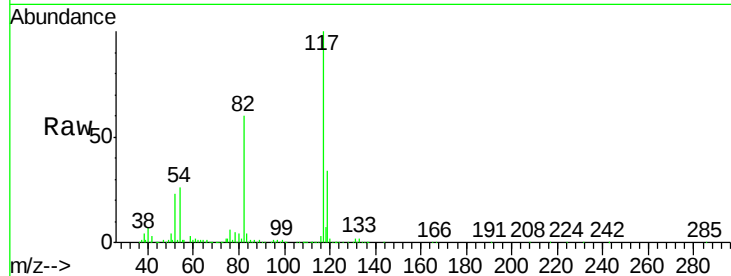
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.08 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3906791
Ion Ratio Lower Upper
117 100
82 64.1 50.6 75.8
119 27.8 26.2 39.2

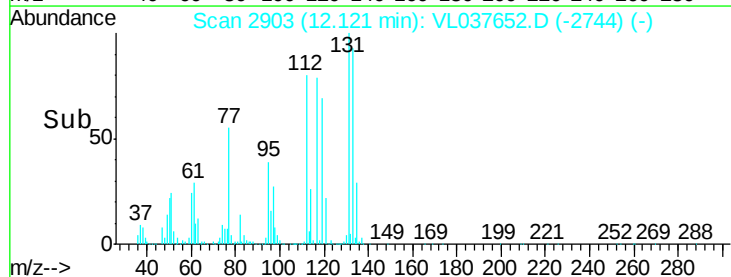
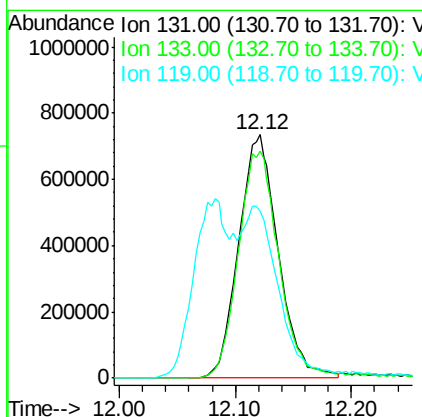
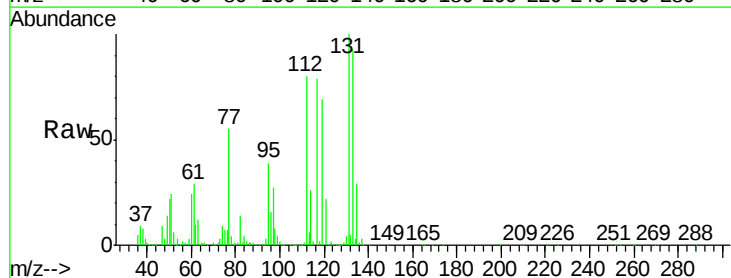
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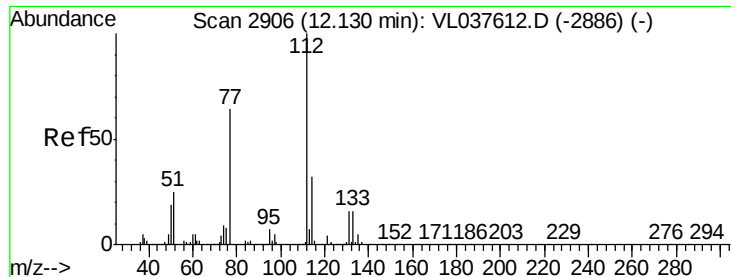
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.708 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion:131 Resp: 1735187
Ion Ratio Lower Upper
131 100
133 99.1 76.8 115.2
119 79.8 47.8 71.8#





#57

Chlorobenzene

Concen: 10.160 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3299819

Ion Ratio Lower Upper

112 100

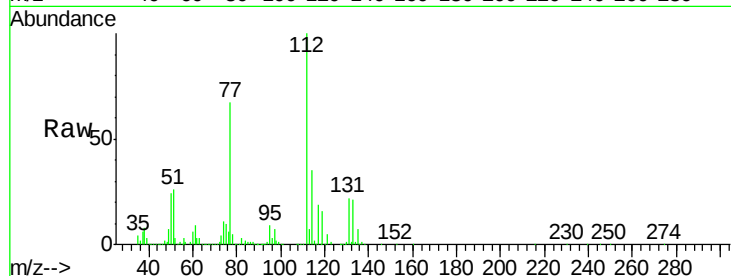
77 65.7 52.1 78.1

114 34.6 29.2 35.6

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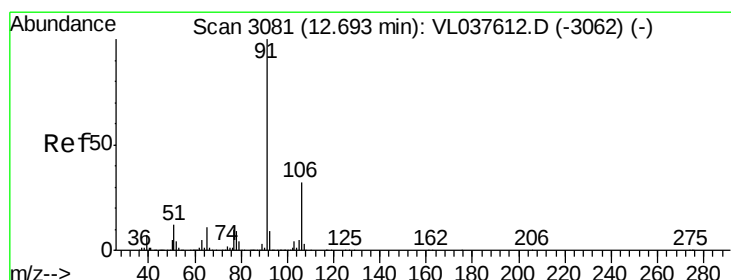
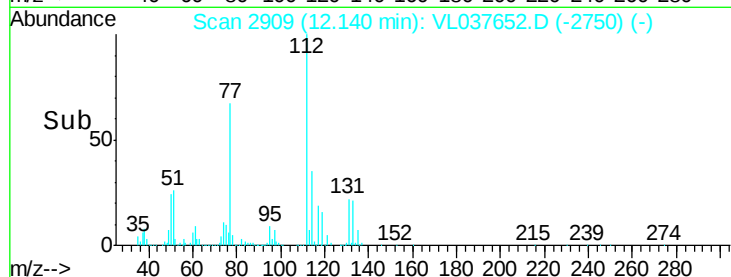
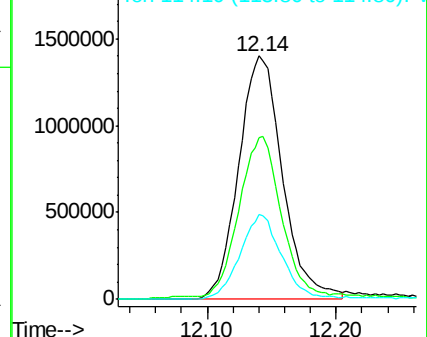
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.147 ppbv

RT: 12.70 min Scan# 3084

Delta R.T. 0.01 min

Lab File: VL037652.D

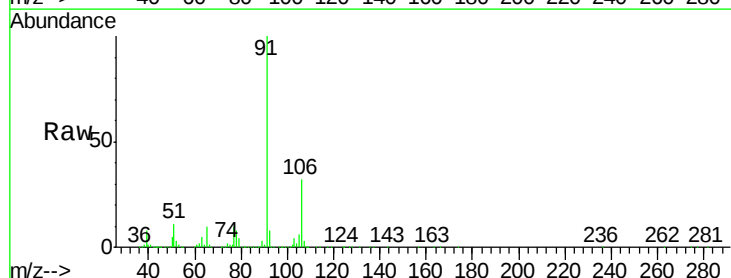
Acq: 18 Sep 2021 11:23

Tgt Ion: 91 Resp: 5780989

Ion Ratio Lower Upper

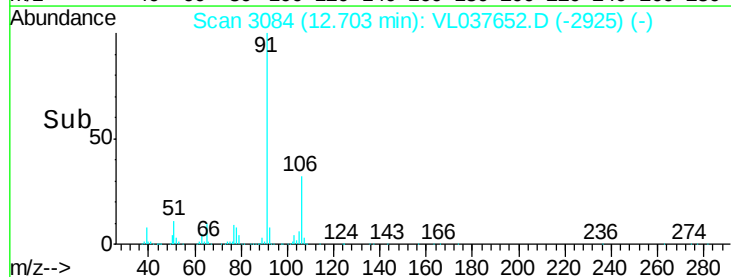
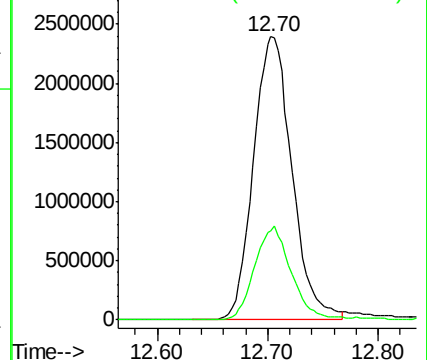
91 100

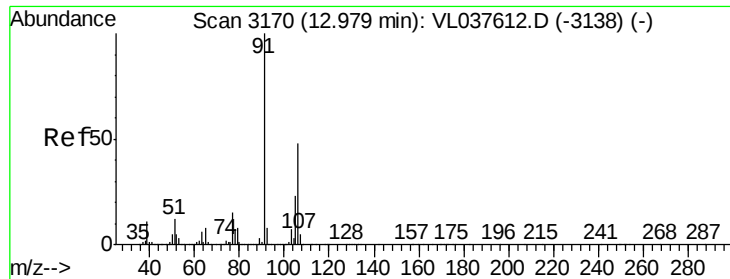
106 31.6 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





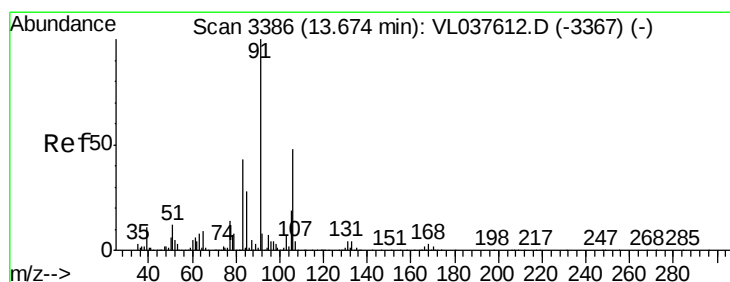
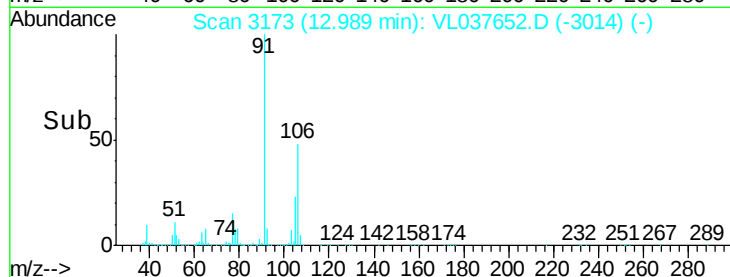
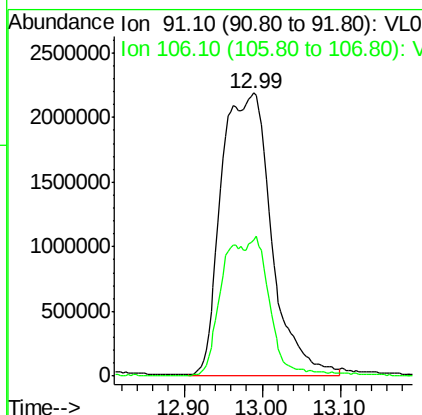
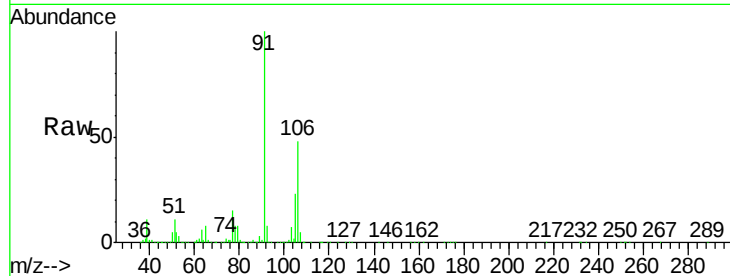
#59
m/p-Xylene
Concen: 21.556 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 9742064
Ion Ratio Lower Upper
91 100
106 46.4 36.6 55.0

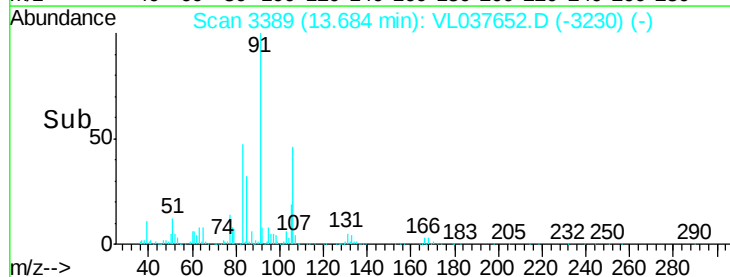
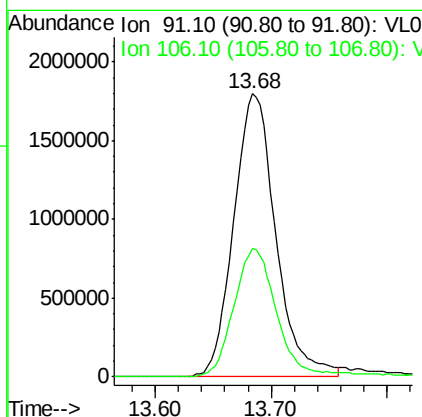
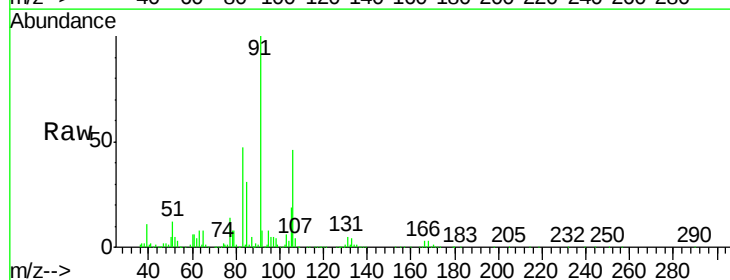
Manual Integrations
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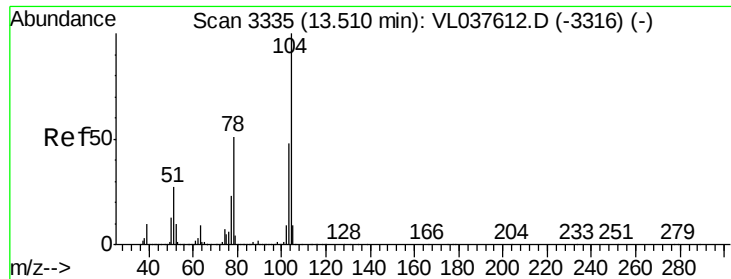
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#60
o-Xylene
Concen: 10.507 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion: 91 Resp: 4519514
Ion Ratio Lower Upper
91 100
106 47.6 23.0 69.0





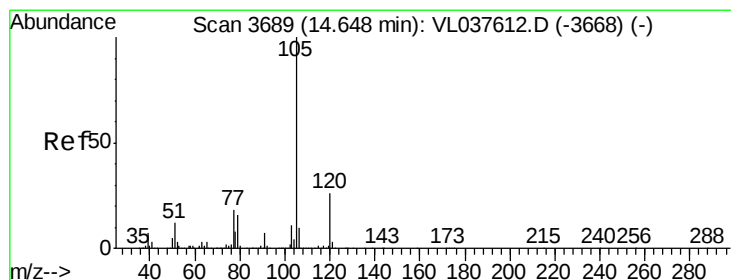
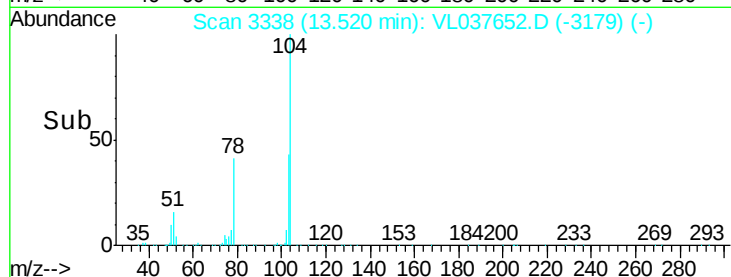
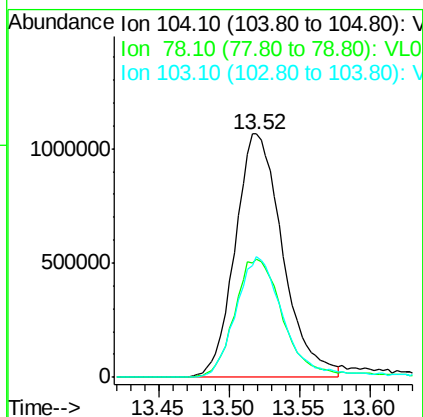
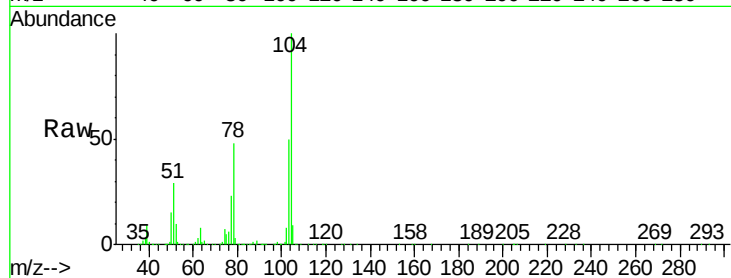
#61
Stvrene
Concen: 11.810 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.1	39.7	59.5
103	50.0	38.8	58.2

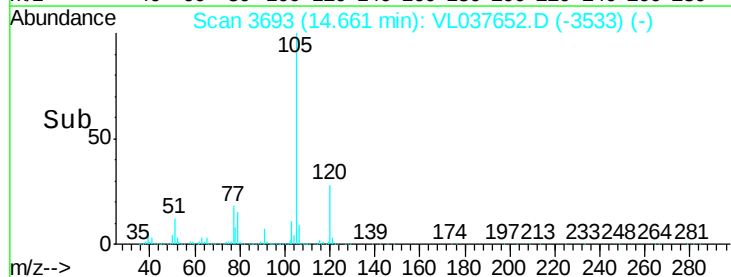
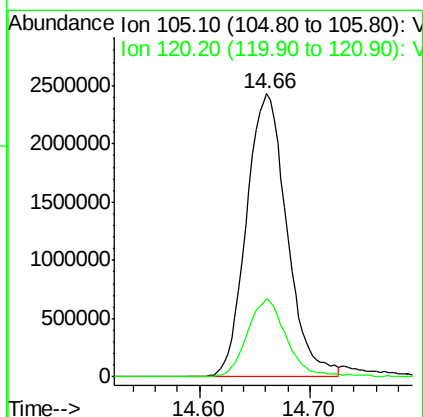
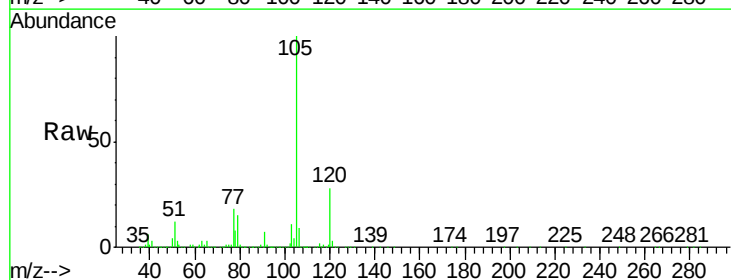
Manual Integrations
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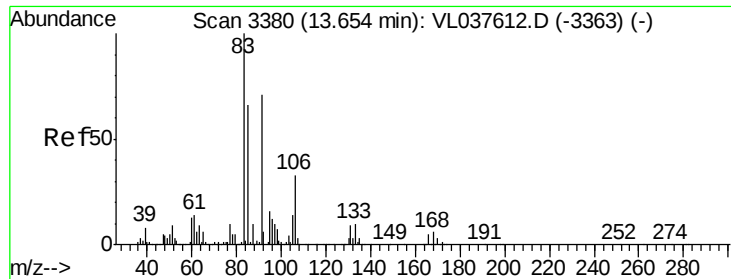
MMDadoda
9/20/2021 5:28:52 PM



#62
Isopropylbenzene
Concen: 10.294 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.4	32.0





#63

1,1,2,2-Tetrachloroethane

Concen: 9.410 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3167764

Ion Ratio Lower Upper

83 100

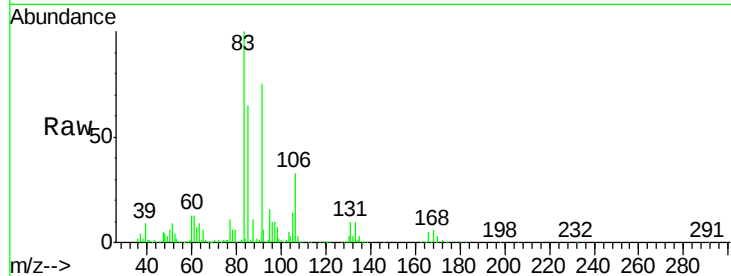
131 10.1 5.1 15.3

85 66.5 33.3 99.9

Manual Integrations
APPROVED

MMDadoda

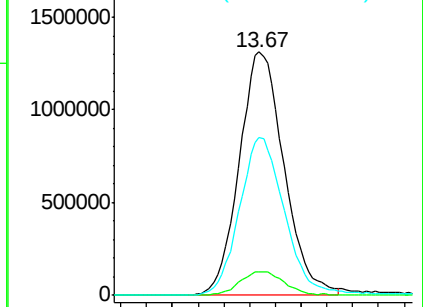
9/20/2021 5:28:52 PM



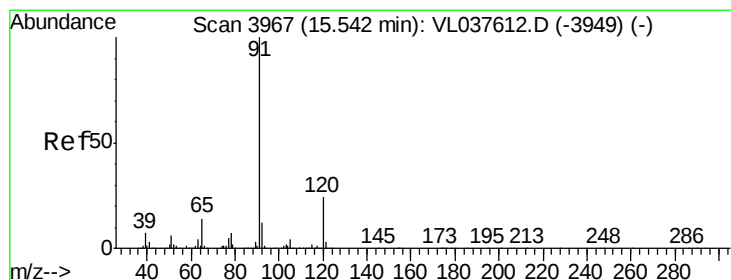
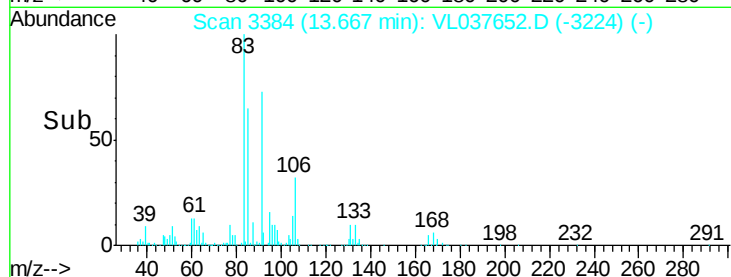
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#64

n-propylbenzene

Concen: 10.670 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.01 min

Lab File: VL037652.D

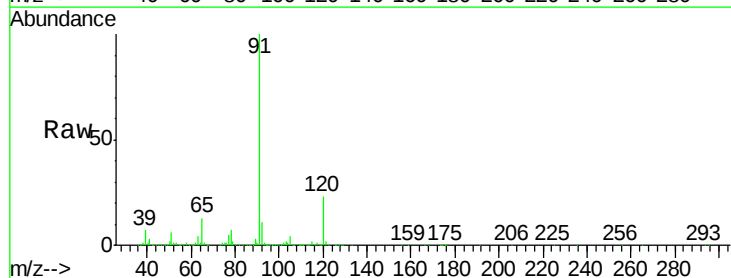
Acq: 18 Sep 2021 11:23

Tgt Ion: 120 Resp: 1654516

Ion Ratio Lower Upper

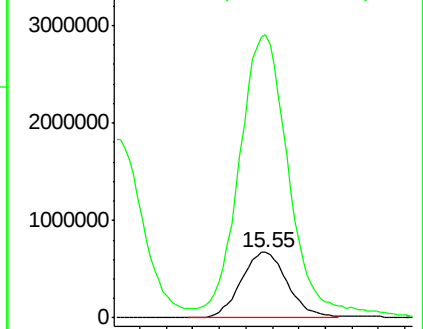
120 100

91 464.3 345.0 517.4

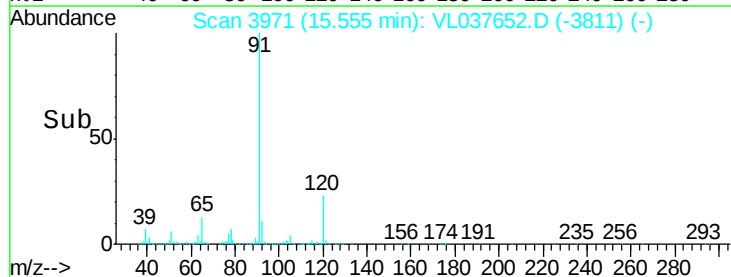


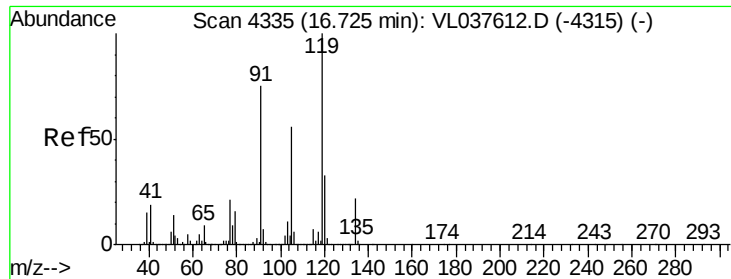
Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0



Time-->





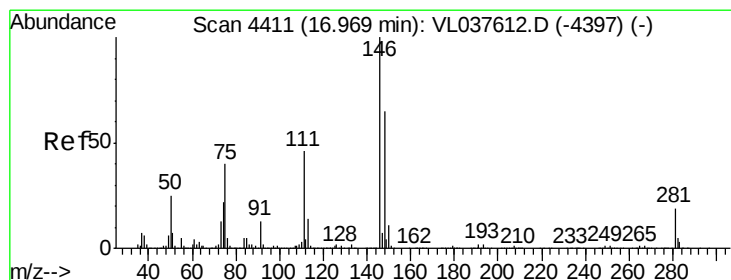
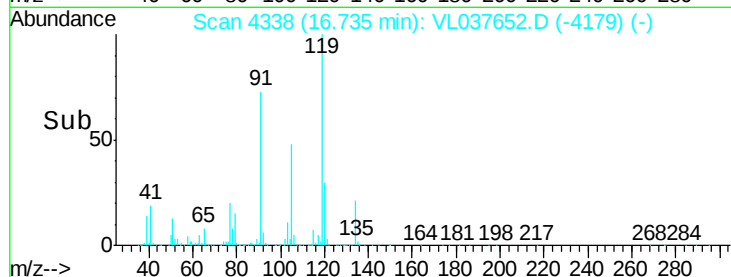
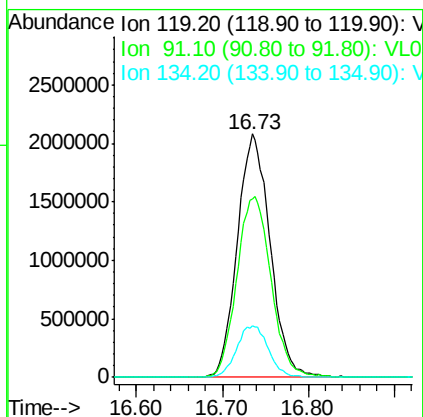
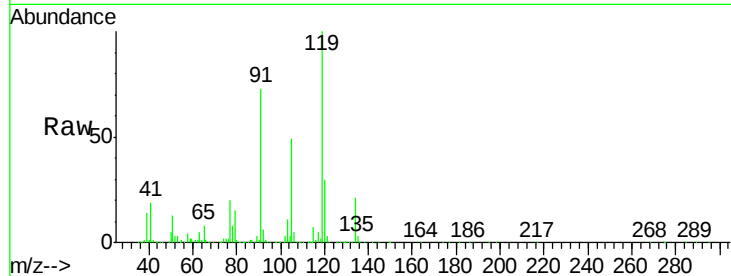
#65
tert-Butylbenzene
Concen: 10.189 ppbv
RT: 16.73 min Scan# 4338
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.3	61.9	92.9
134	20.5	16.5	24.7

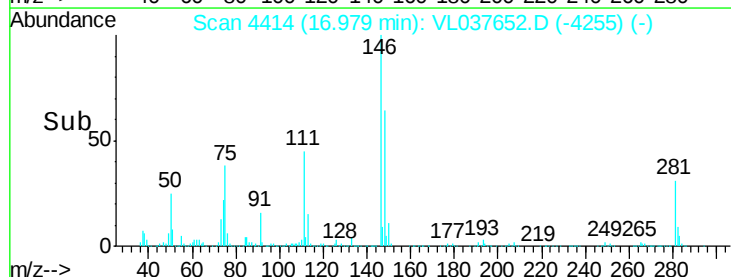
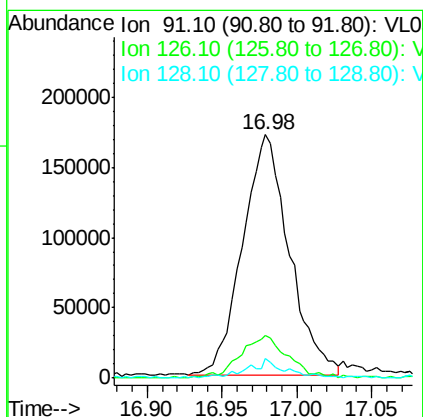
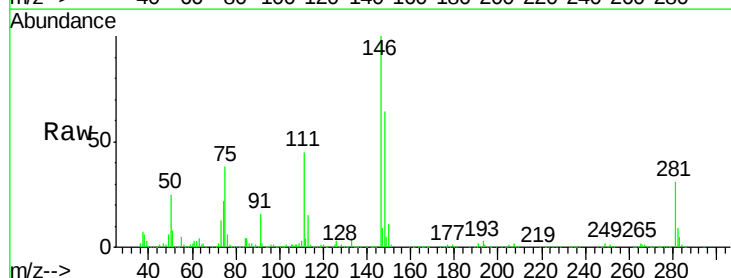
Manual Integrations
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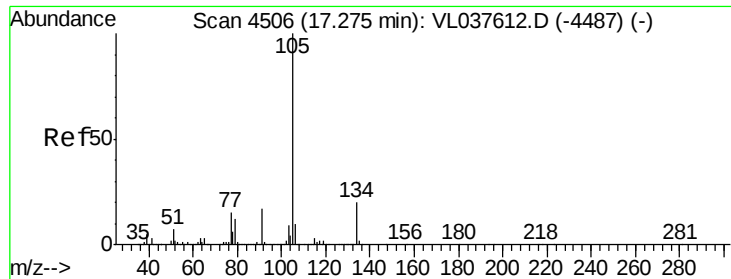
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#66
Benzyl Chloride
Concen: 12.462 ppbv
RT: 16.98 min Scan# 4414
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.9	14.4	21.6
128	6.9	5.7	8.5





#67

sec-Butylbenzene

Concen: 10.383 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7632145

Ion Ratio Lower Upper

105 100

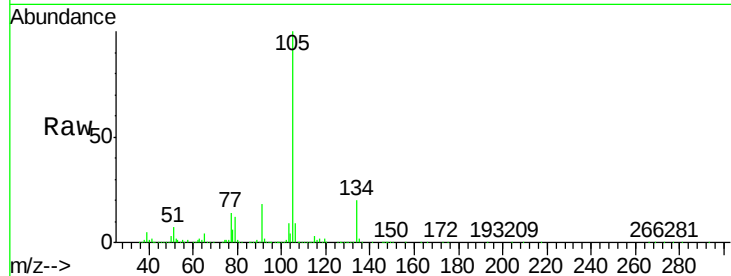
134 19.2 15.7 23.5

Manual Integrations

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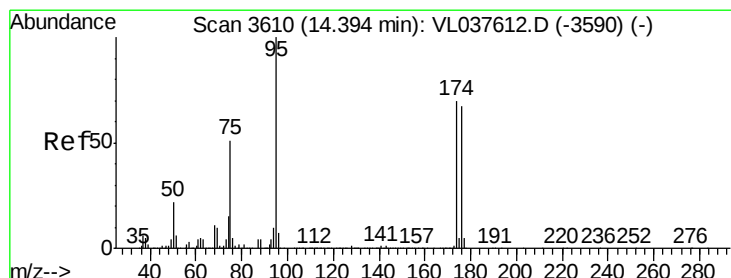
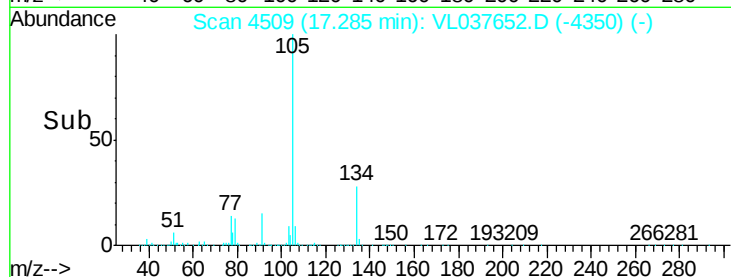
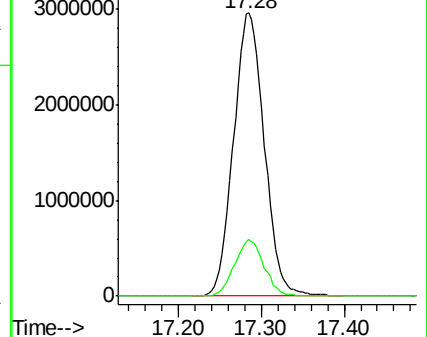
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.925 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

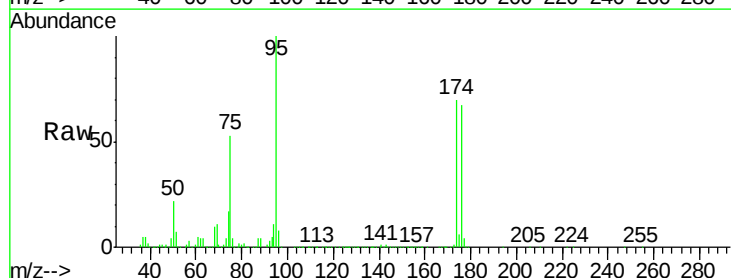
Tgt Ion: 95 Resp: 2802214

Ion Ratio Lower Upper

95 100

174 74.4 56.3 84.5

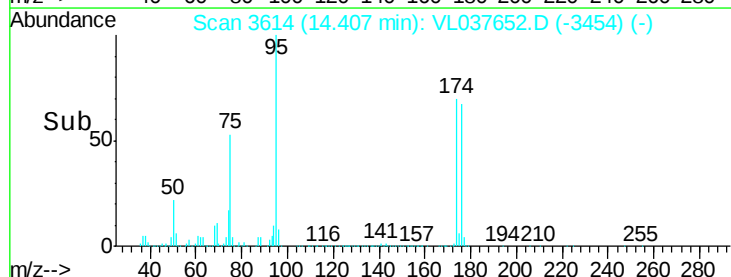
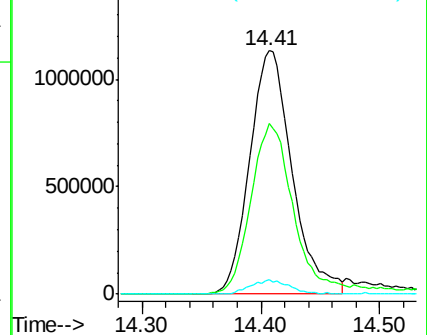
175 5.4 4.4 6.6

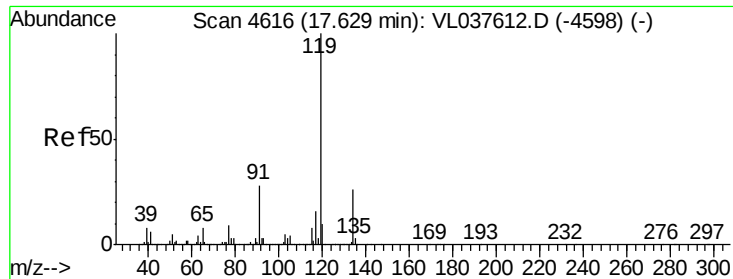


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





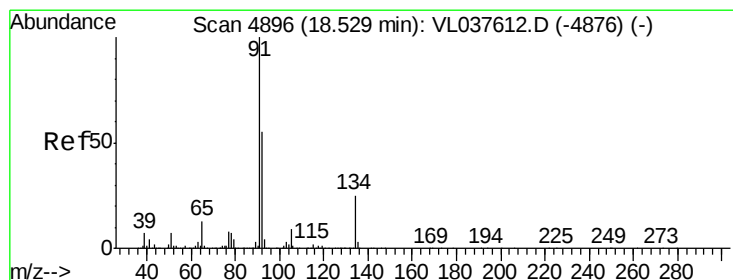
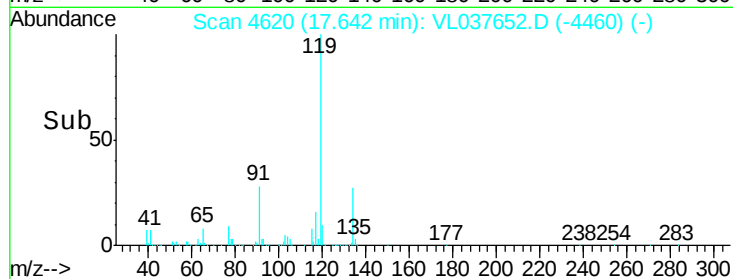
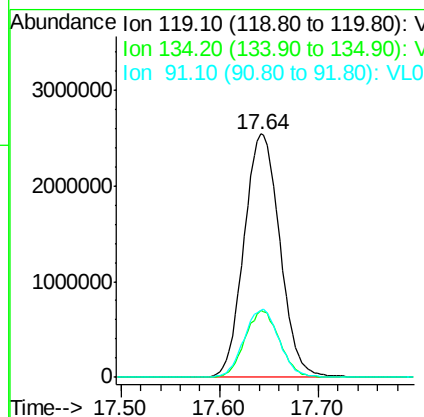
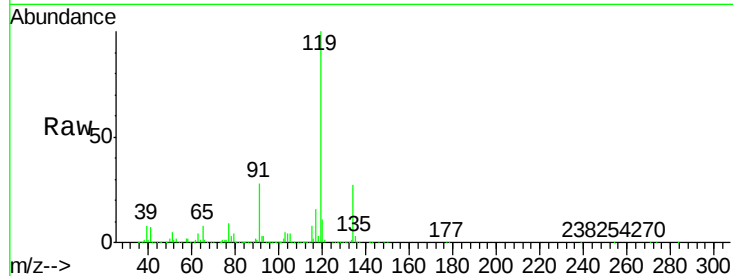
#69
 p-Isopropyltoluene
 Concen: 10.633 ppbv
 RT: 17.64 min Scan# 4620
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	21.2	31.8
91	27.6	22.2	33.2

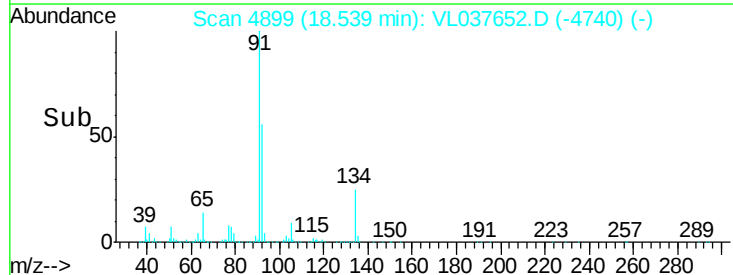
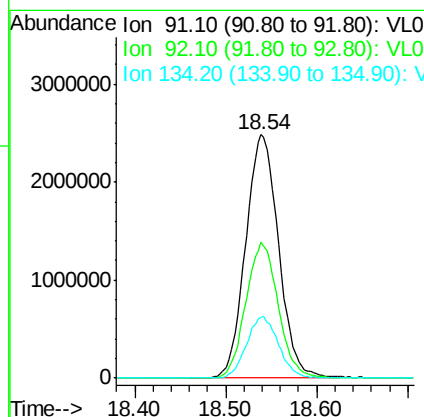
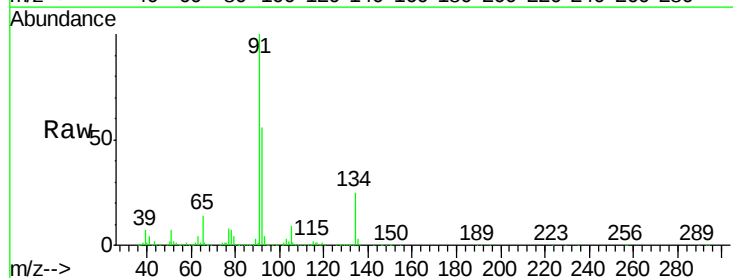
Manual Integrations
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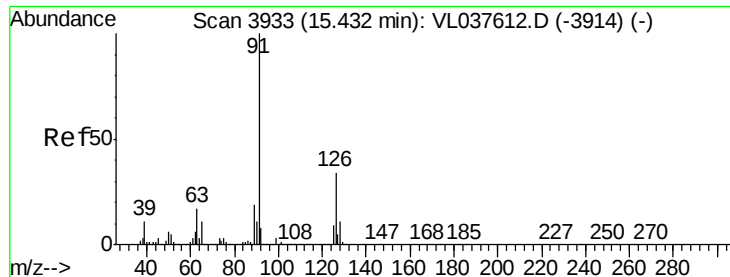
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#70
 n-Butylbenzene
 Concen: 10.985 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.9	44.0	66.0
134	24.6	19.5	29.3





#71

2-Chlorotoluene

Concen: 10.561 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4547836

Ion Ratio Lower Upper

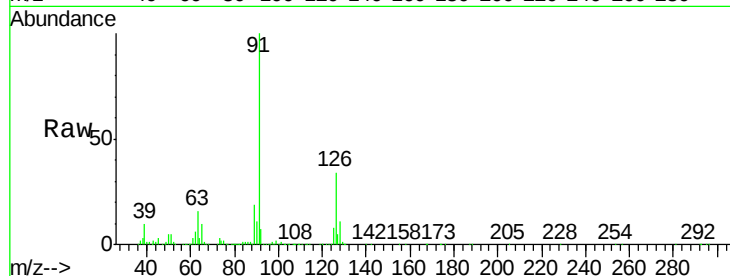
91 100

126 33.9 13.2 52.8

Manual Integrations
APPROVED

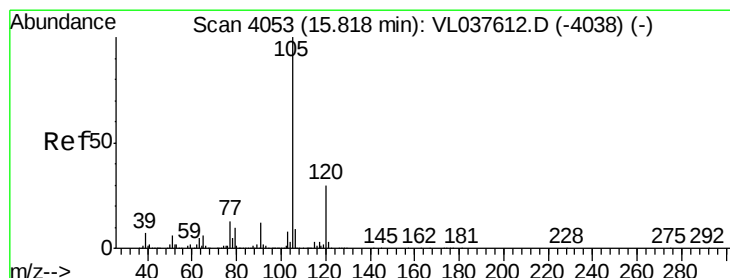
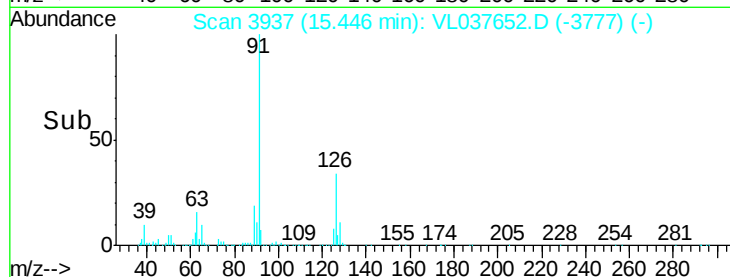
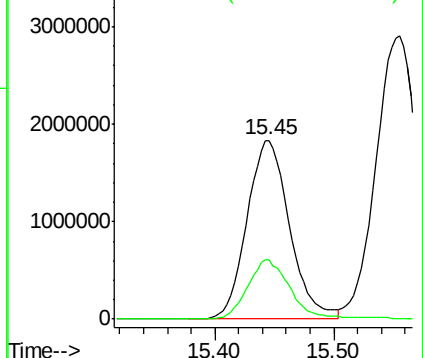
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.613 ppbv

RT: 15.83 min Scan# 4057

Delta R.T. 0.01 min

Lab File: VL037652.D

Acq: 18 Sep 2021 11:23

Tgt Ion: 105 Resp: 5240687

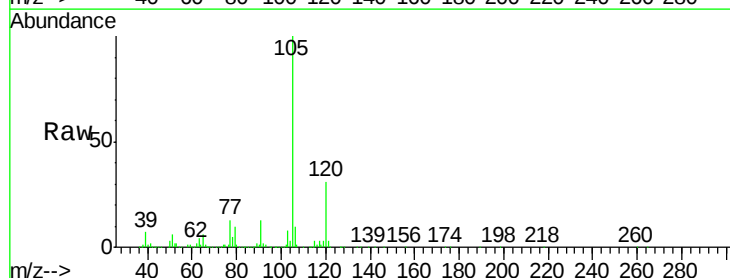
Ion Ratio Lower Upper

105 100

120 31.7 24.7 37.1

91 12.5 9.9 14.9

77 13.6 10.5 15.7

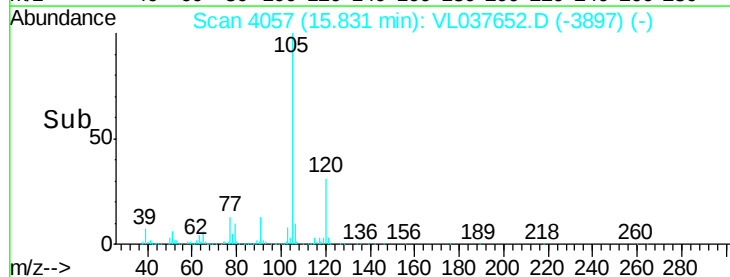
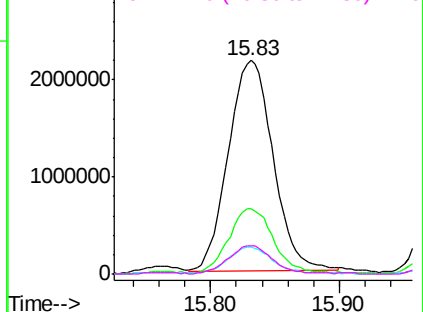


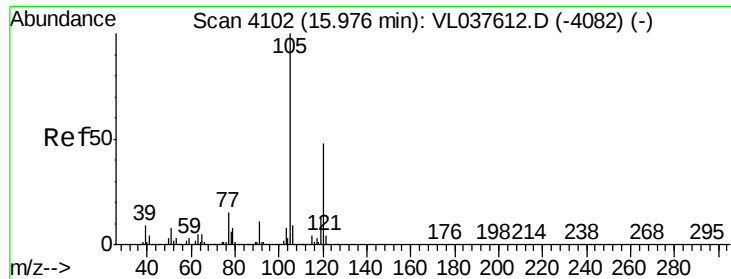
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





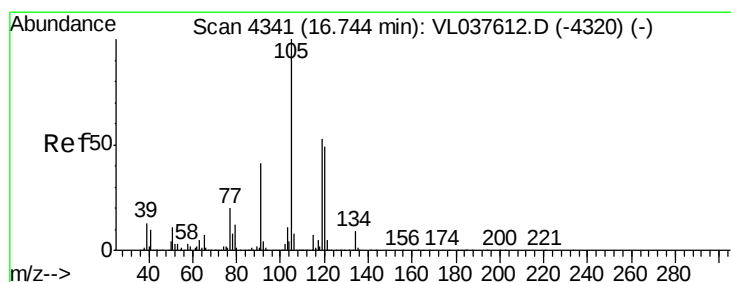
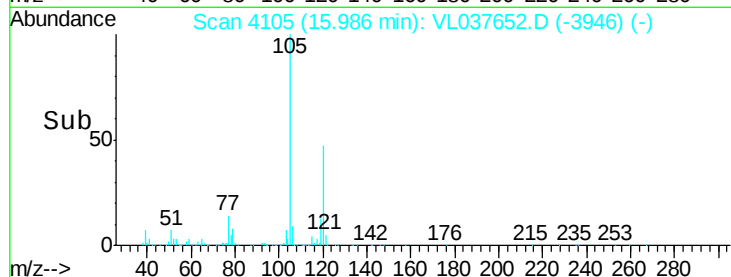
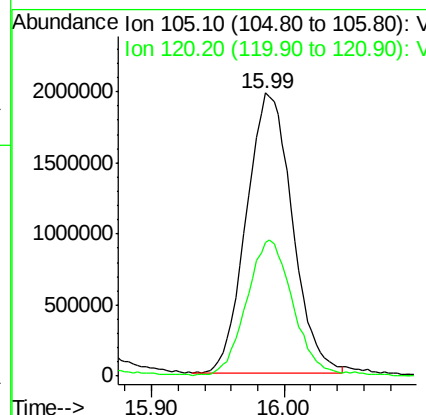
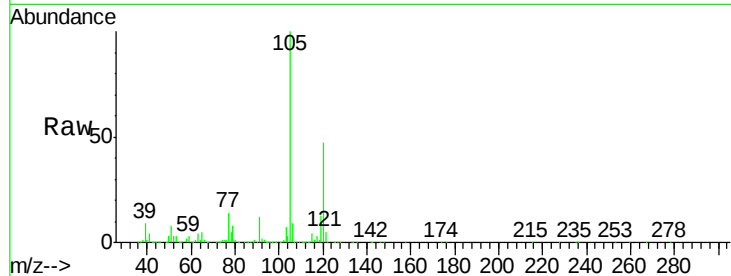
#73
 1,3,5-Trimethylbenzene
 Concen: 10.394 ppbv
 RT: 15.99 min Scan# 4105
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4784131
 Ion Ratio Lower Upper
 105 100
 120 47.3 38.3 57.5

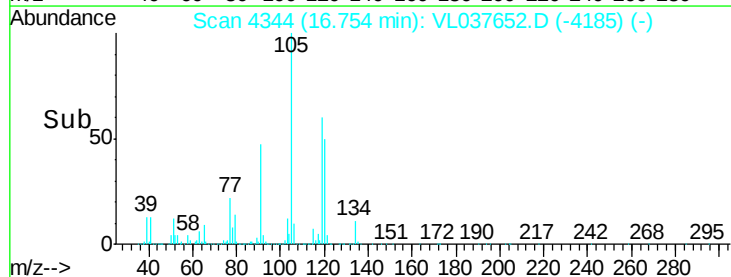
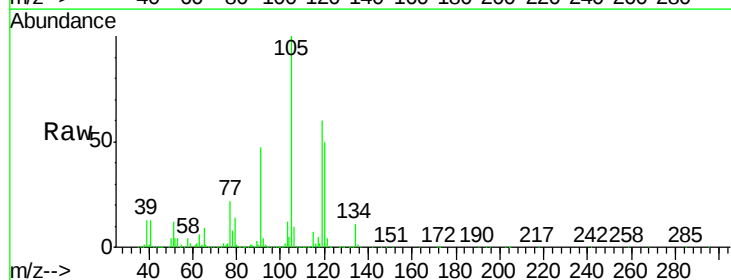
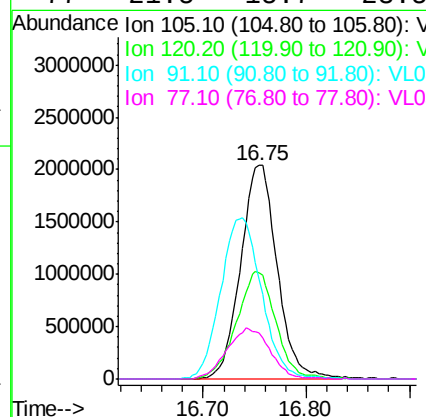
Manual Integrations
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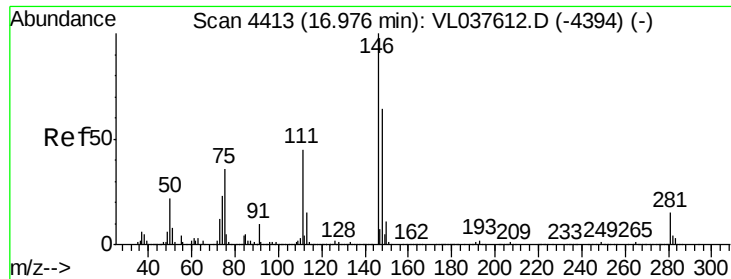
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.360 ppbv
 RT: 16.75 min Scan# 4344
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion:105 Resp: 5022306
 Ion Ratio Lower Upper
 105 100
 120 49.6 39.4 59.0
 91 46.4 33.3 49.9
 77 21.5 15.7 23.5





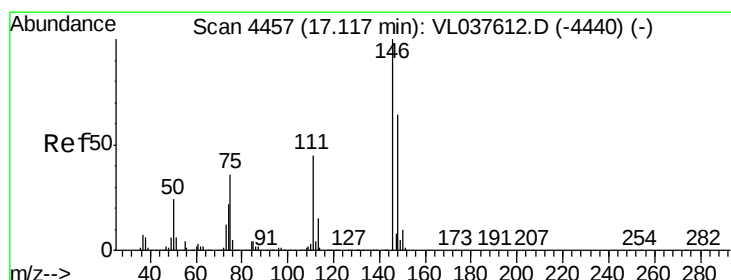
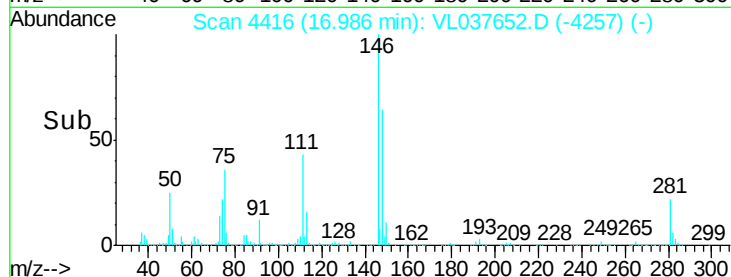
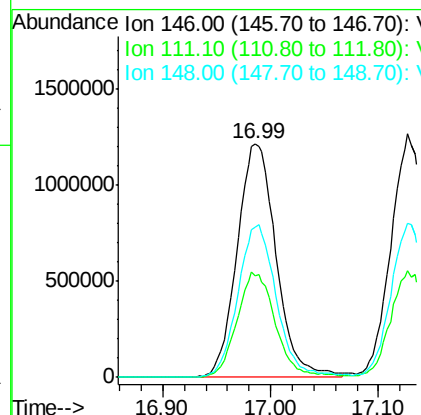
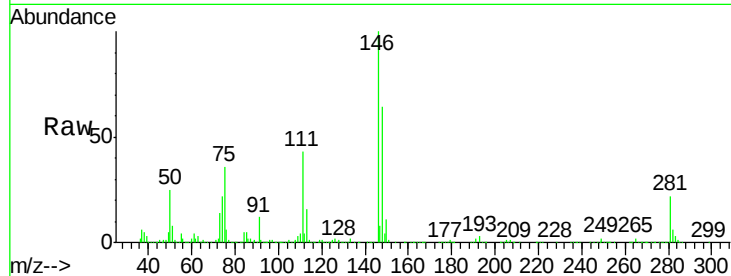
#75
 1,3-Dichlorobenzene
 Concen: 10.149 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 3056792
 Ion Ratio Lower Upper
 146 100
 111 44.4 22.8 68.3
 148 64.7 32.1 96.5

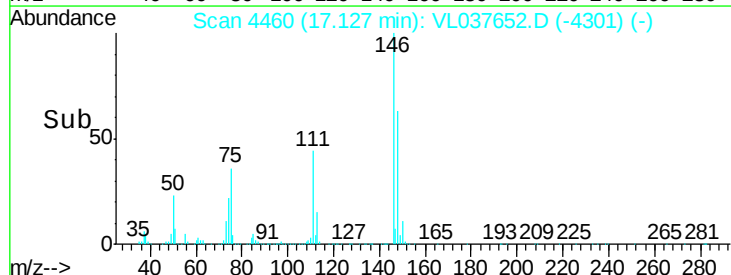
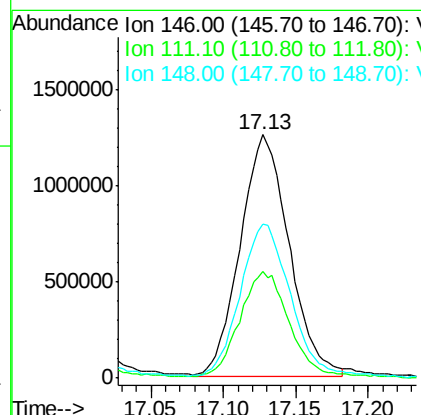
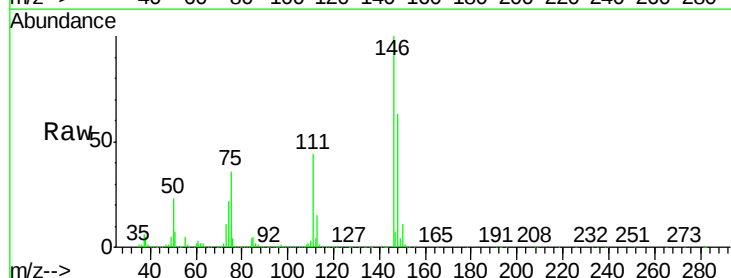
Manual Integrations
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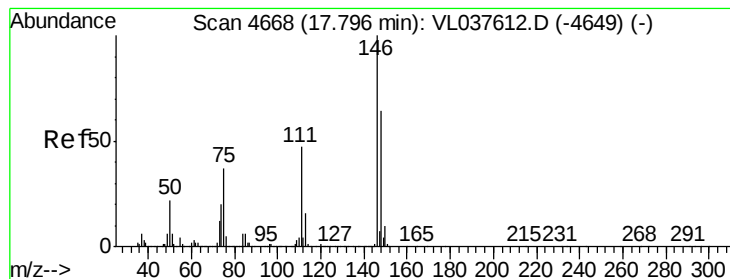
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#76
 1,4-Dichlorobenzene
 Concen: 9.946 ppbv
 RT: 17.13 min Scan# 4460
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion:146 Resp: 2954572
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.5 67.5
 148 66.5 32.9 98.6





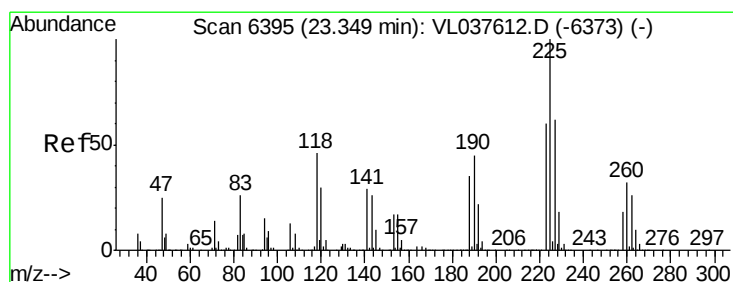
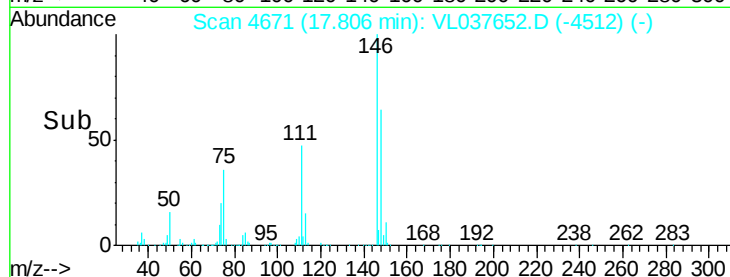
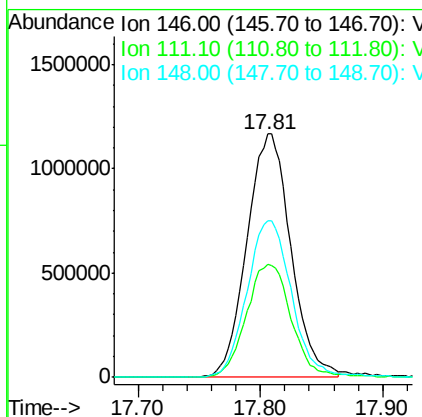
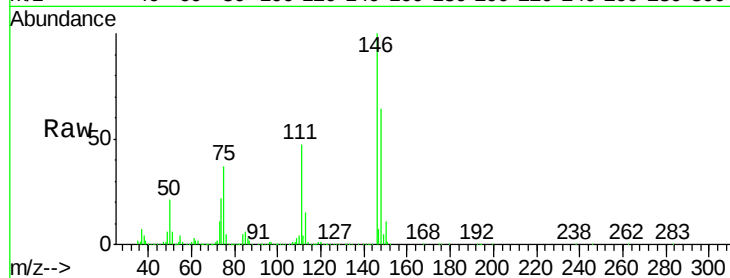
#77
 1,2-Dichlorobenzene
 Concen: 10.134 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.8	24.0	72.0
148	65.7	32.8	98.3

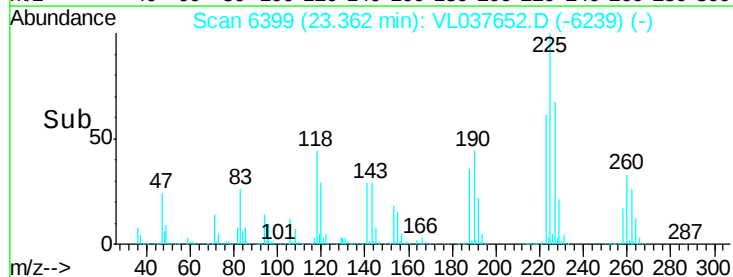
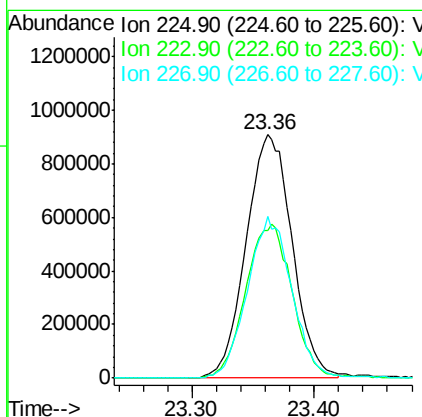
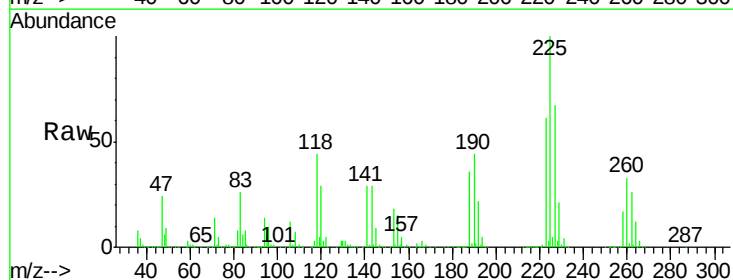
Manual Integrations
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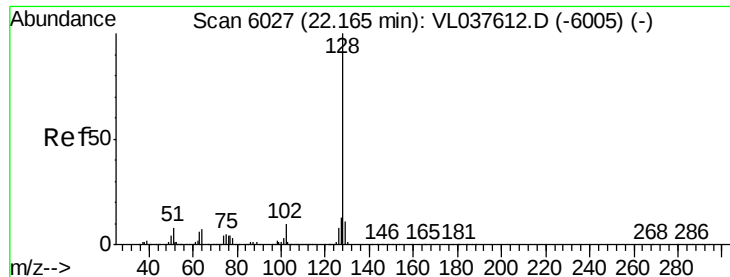
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.852 ppbv
 RT: 23.36 min Scan# 6399
 Delta R.T. 0.01 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	51.1	76.7
227	64.1	52.2	78.4





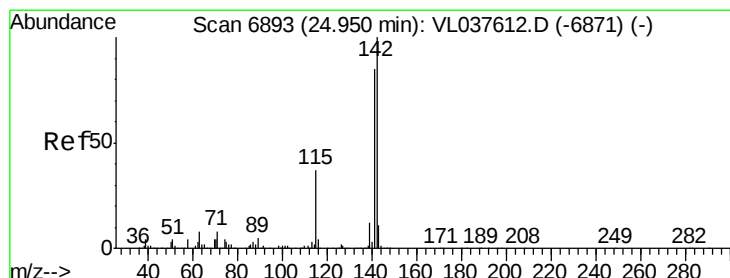
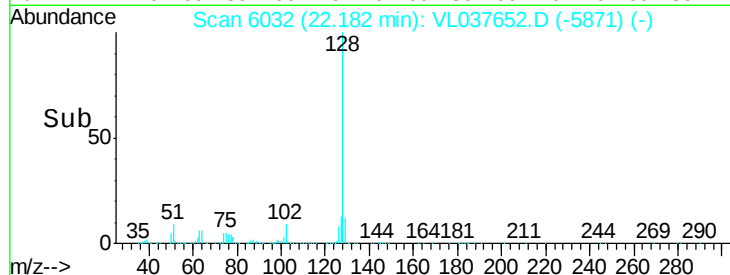
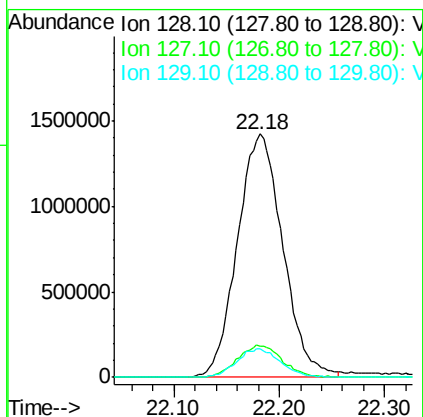
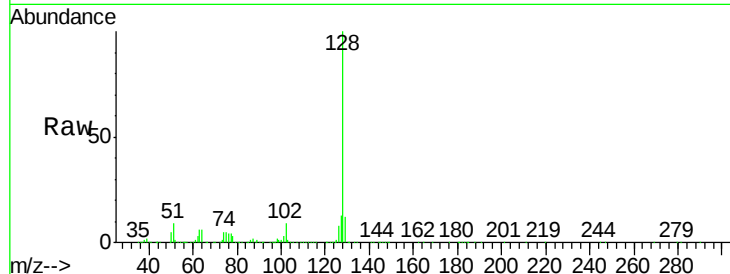
#79
Naphthalene
Concen: 14.229 ppbv
RT: 22.18 min Scan# 6032
Delta R.T. 0.02 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.5	8.6	12.8

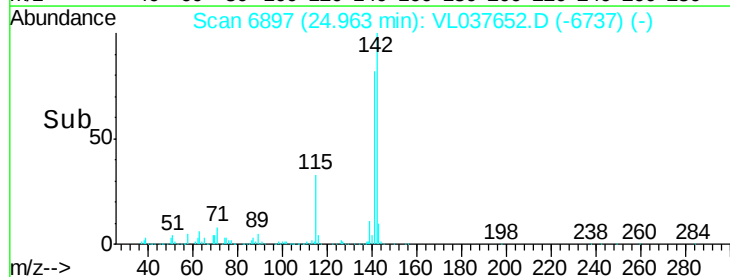
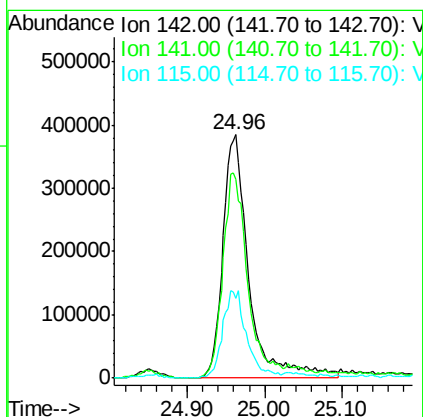
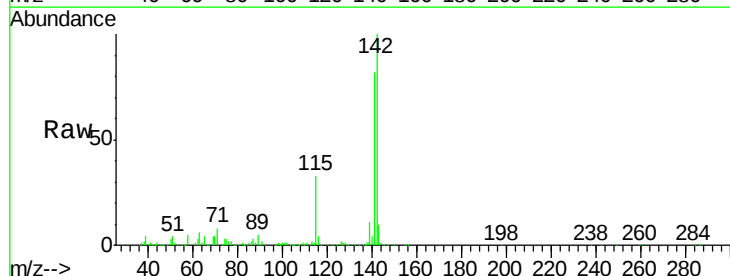
Manual Integrations
APPROVED

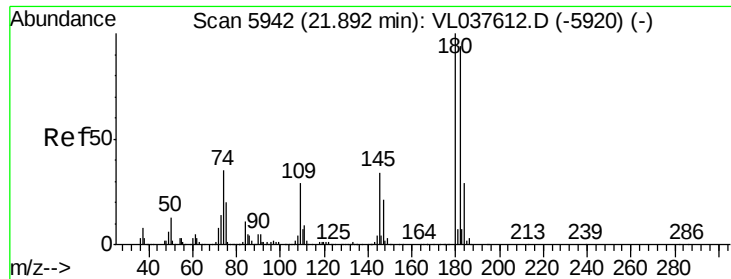
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9/20/2021 5:28:52 PM



#80
Naphthalene, 2-methyl-
Concen: 13.203 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.01 min
Lab File: VL037652.D
Acq: 18 Sep 2021 11:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.0	70.9	106.3
115	36.3	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 12.616 ppbv m
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.02 min
 Lab File: VL037652.D
 Acq: 18 Sep 2021 11:23

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.2	78.9	118.3
184	31.9	24.7	37.1

Manual Integrations
 APPROVED

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