

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081321\
 Data File : VL037452.D
 Acq On : 13 Aug 2021 17:05
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/16/2021 5:04:10 PM

Quant Time: Aug 16 02:33:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1273950	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3915753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3590664m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2604066	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	1993478	10.242	ppbv 98
3) Chlorodifluoromethane	2.99	51	2414915	9.653	ppbv 99
4) Chloromethane	3.14	50	866952	9.641	ppbv 99
5) Vinyl Chloride	3.26	62	908239	9.167	ppbv 98
6) Bromomethane	3.48	94	444345	8.648	ppbv 99
7) Chloroethane	3.56	64	323305	9.882	ppbv 91
8) Dichlorotetrafluoroethane	3.19	85	2177979	10.026	ppbv 99
9) Propene	3.01	41	803047	9.559	ppbv 100
10) Heptane	8.12	43	2066360	10.115	ppbv 100
11) Trichlorofluoromethane	3.95	101	1996880	9.482	ppbv 95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1494390	10.129	ppbv 96
13) Ethanol	3.61	45	90430m	10.087	ppbv
14) Bromoethene	3.74	108	670985	10.225	ppbv 98
15) Acetone	3.85	43	1113099m	8.239	ppbv
16) 1,3-Butadiene	3.33	39	878849	9.692	ppbv 99
17) tert-Butyl alcohol	4.29	59	1229116	9.531	ppbv 100
18) 1,1-Dichloroethene	4.29	96	678913	9.912	ppbv 92
19) Isopropyl Alcohol	3.97	45	680567	8.656	ppbv 99
20) Methylene Chloride	4.34	84	600463	8.405	ppbv 94
21) Allyl Chloride	4.41	41	1008359	9.525	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	703041	10.942	ppbv 96
23) Vinyl Acetate	5.07	43	1647733	7.948	ppbv 98
24) 1,1-Dichloroethane	5.01	63	1449953	9.005	ppbv 99
25) Ethyl Acetate	5.68	43	3225573	10.018	ppbv 99
26) Hexane	5.69	57	1569498	9.445	ppbv 99
27) Carbon Disulfide	4.55	76	1670847	11.927	ppbv 99
28) Methyl tert-Butyl Ether	5.03	73	1474906	8.294	ppbv 100
29) Chloroform	5.75	83	2345560	10.026	ppbv 100
30) Cyclohexane	7.13	84	1367434	9.993	ppbv 98
31) cis-1,2-Dichloroethene	5.55	61	1478739	10.296	ppbv 99
32) 1,1,1-Trichloroethane	6.51	97	2309967	9.784	ppbv 99
34) 2-Butanone	5.24	43	1371126	8.481	ppbv 99
35) Carbon Tetrachloride	7.02	117	2443926	10.121	ppbv 99
36) Benzene	6.89	78	3261906	9.879	ppbv 97
37) 1,2-Dichloroethane	6.31	62	1695811	10.064	ppbv 100
38) Trichloroethene	7.84	130	1327979	9.112	ppbv 96
39) 1,2-Dichloropropane	7.61	63	1224374	9.734	ppbv 96
40) 1,4-Dioxane	7.83	88	292786m	9.565	ppbv
41) Tetrahydrofuran	6.05	42	731352	9.851	ppbv 97
42) Bromodichloromethane	7.79	83	2486523m	10.539	ppbv
43) Methyl Methacrylate	8.01	69	1172851	10.481	ppbv 98

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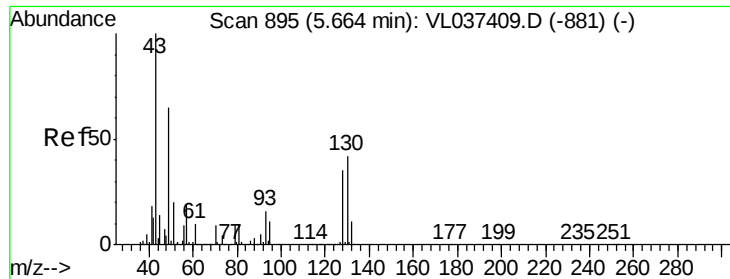
Manual Integrations
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MMDadoda
 8/16/2021 5:04:10 PM

Quant Time: Aug 16 02:33:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081221AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 13 2021
 QLast Update : Fri Aug 13 01:37:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5424369	9.826	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	786646	9.460	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	1056329	9.099	ppbv	98
47) 1,1,2-Trichloroethane	9.48	97	1345270	9.894	ppbv	98
48) Dibromochloromethane	10.30	129	2158778	11.004	ppbv	98
49) Bromoform	13.04	173	1639860	11.032	ppbv	97
50) 4-Methyl-2-Pentanone	8.74	43	2120981	10.429	ppbv	100
51) 2-Hexanone	10.14	43	987808	10.323	ppbv #	97
52) Tetrachloroethene	11.22	164	1202649	8.646	ppbv	95
53) Toluene	9.81	91	3803333	10.089	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1889507	10.211	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.12	131	1449906	10.143	ppbv	96
57) Chlorobenzene	12.15	112	2689145	9.241	ppbv	98
58) Ethyl Benzene	12.71	91	4900622	10.061	ppbv	100
59) m/p-Xylene	13.00	91	8259480m	19.303	ppbv	
60) o-Xylene	13.69	91	3812477	9.591	ppbv	100
61) Styrene	13.52	104	2078753	10.351	ppbv	99
62) Isopropylbenzene	14.67	105	5460608	9.606	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	2770809	9.243	ppbv	100
64) n-propylbenzene	15.56	120	1455870	10.178	ppbv	92
65) tert-Butylbenzene	16.74	119	4848913	9.459	ppbv	99
66) Benzyl Chloride	16.98	91	197208	8.408	ppbv #	98
67) sec-Butylbenzene	17.29	105	6726404	9.643	ppbv	100
69) p-Isopropyltoluene	17.65	119	5634790	9.842	ppbv	100
70) n-Butylbenzene	18.55	91	5460261	10.262	ppbv	100
71) 2-Chlorotoluene	15.45	91	3907441	9.718	ppbv	100
72) 4-Ethyltoluene	15.84	105	4621609	10.017	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4209079	9.649	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4409399	9.873	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2612092	9.557	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2533206	9.349	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2472353	9.402	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1946005	9.136	ppbv	99
79) Naphthalene	22.19	128	3161145	13.024	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	769067	15.002	ppbv	97
81) 1,2,4-Trichlorobenzene	21.92	180	1911083m	11.588	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1273950

Ion Ratio Lower Upper

49 100

128 56.3 27.9 83.6

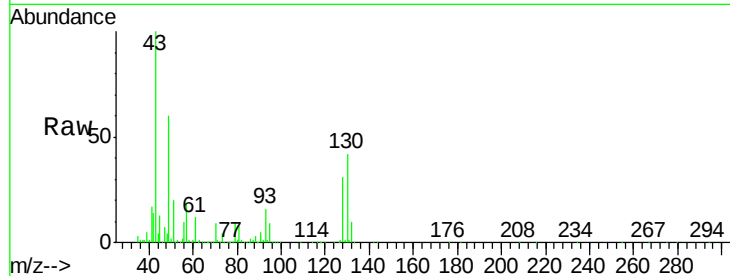
130 70.3 34.6 103.8

Manual Integrations

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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

800000

600000

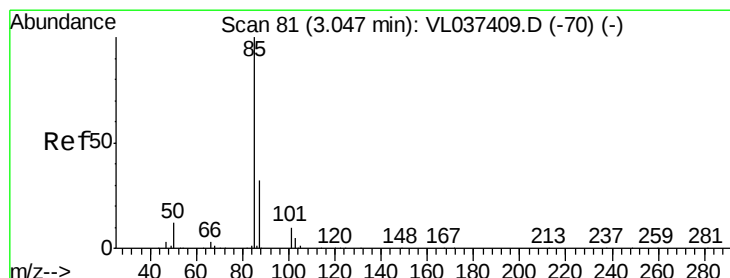
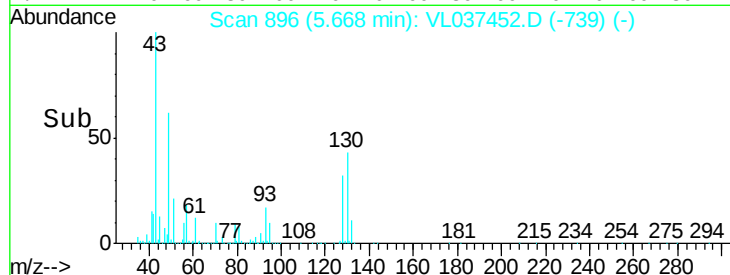
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 10.242 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL037452.D

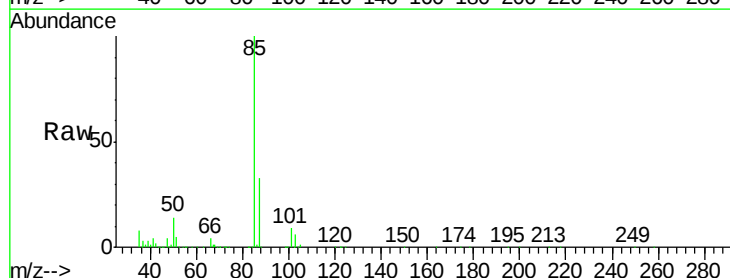
Acq: 13 Aug 2021 17:05

Tgt Ion: 85 Resp: 1993478

Ion Ratio Lower Upper

85 100

87 33.3 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

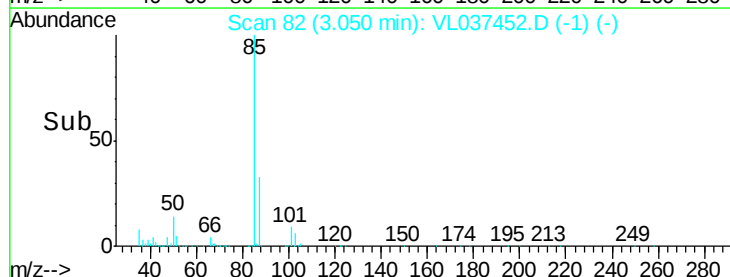
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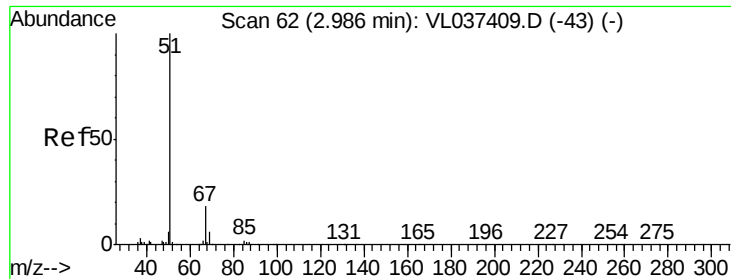
500000

0

3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 9.653 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 2414915

Ion Ratio Lower Upper

51 100

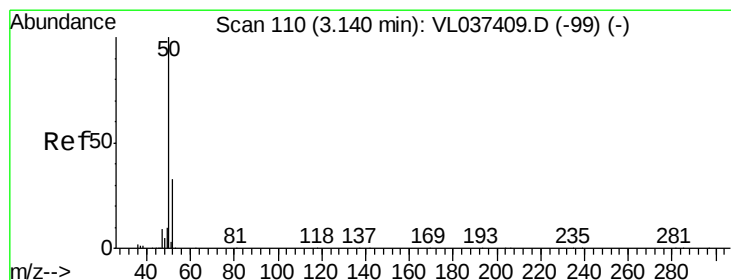
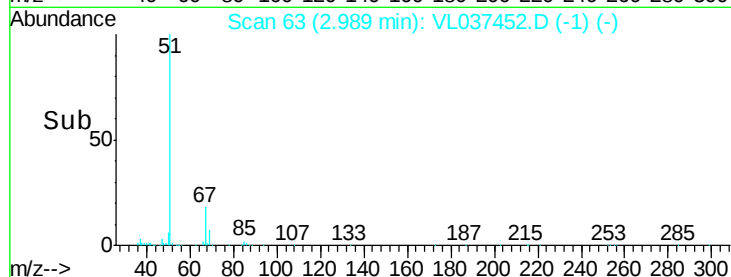
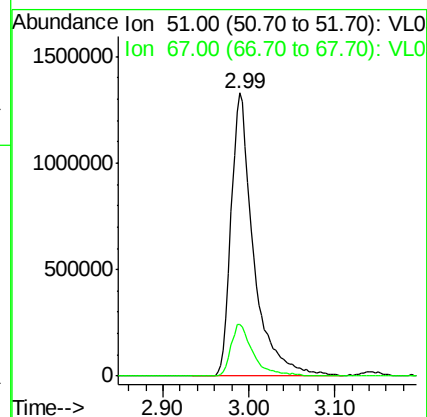
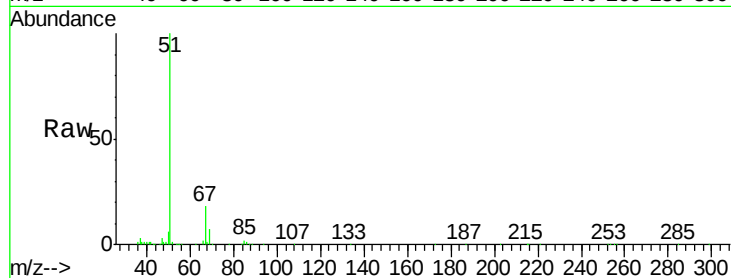
67 18.7 14.7 22.1

Manual Integrations

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#4

Chloromethane

Concen: 9.641 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL037452.D

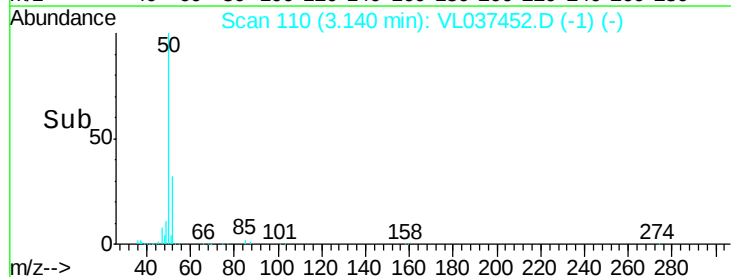
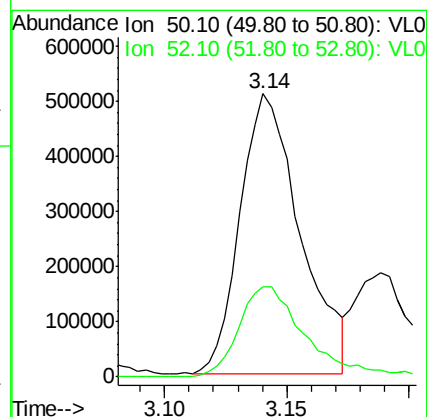
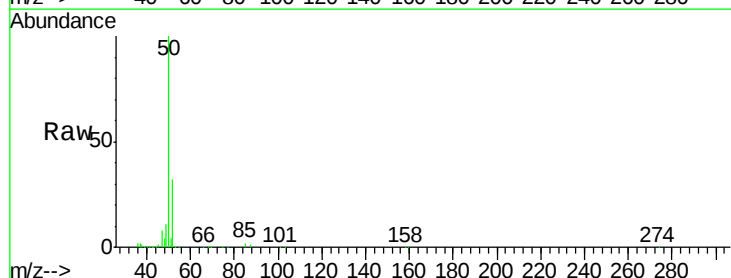
Acq: 13 Aug 2021 17:05

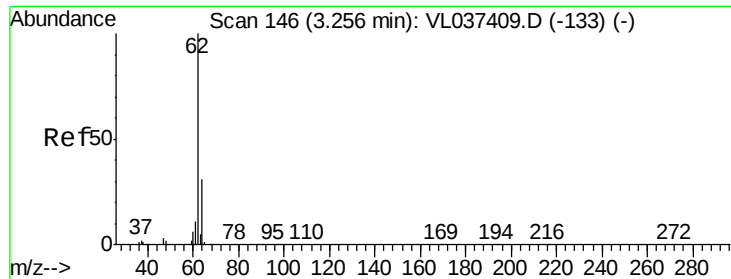
Tgt Ion: 50 Resp: 866952

Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.4





#5

Vinyl Chloride

Concen: 9.167 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 908239

Ion Ratio Lower Upper

62 100

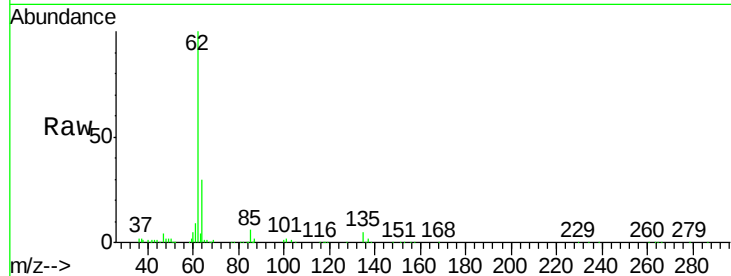
64 30.1 25.0 37.6

Manual Integrations

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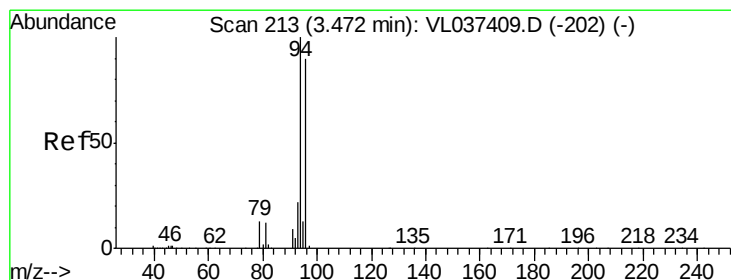
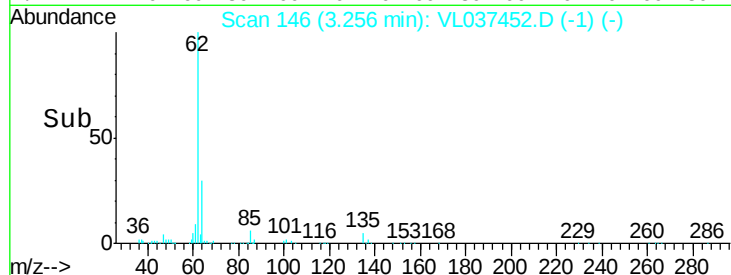
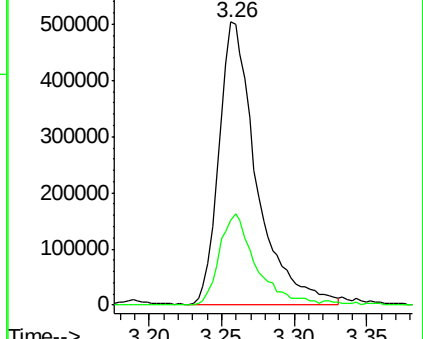
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.648 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL037452.D

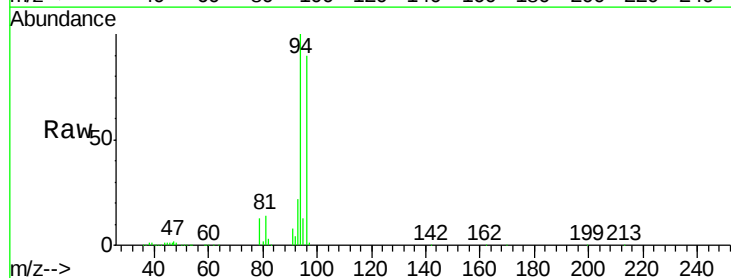
Acq: 13 Aug 2021 17:05

Tgt Ion: 94 Resp: 444345

Ion Ratio Lower Upper

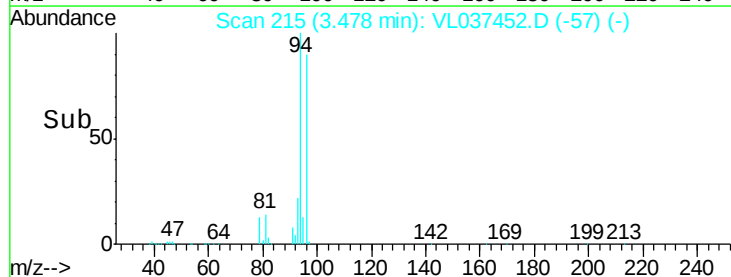
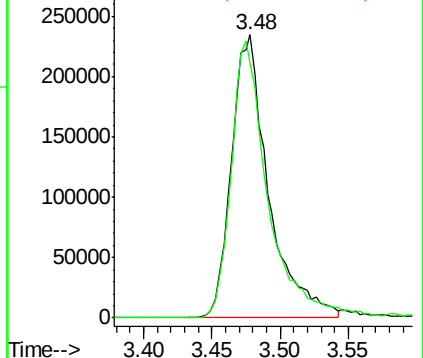
94 100

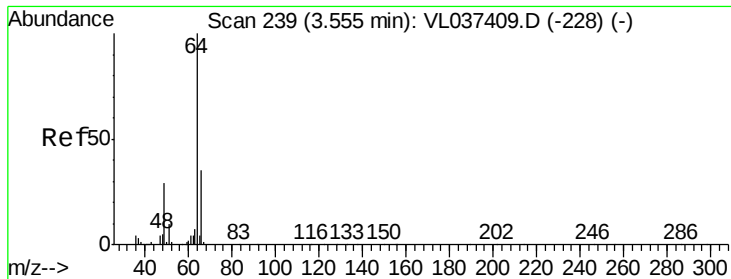
96 89.7 72.2 108.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.882 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 323305

Ion Ratio Lower Upper

64 100

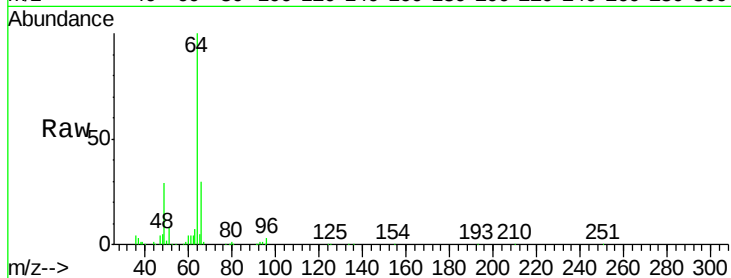
66 29.7 27.8 41.8

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

200000

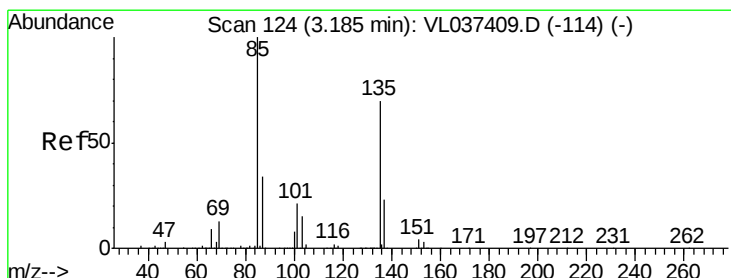
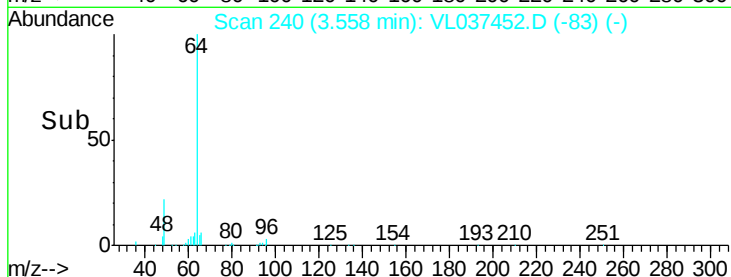
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.026 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.00 min

Lab File: VL037452.D

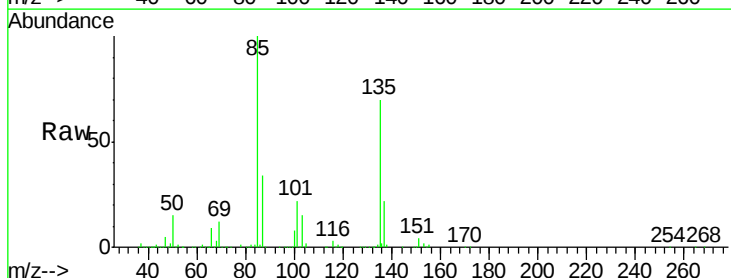
Acq: 13 Aug 2021 17:05

Tgt Ion: 85 Resp: 2177979

Ion Ratio Lower Upper

85 100

135 72.3 58.6 88.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

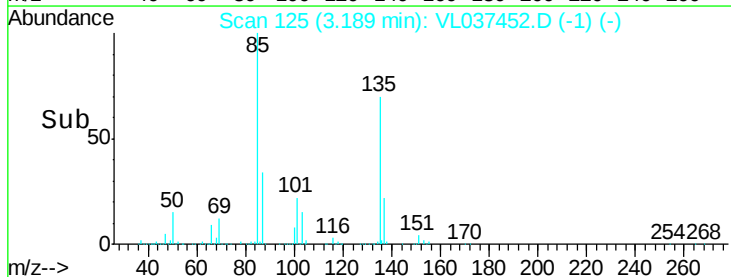
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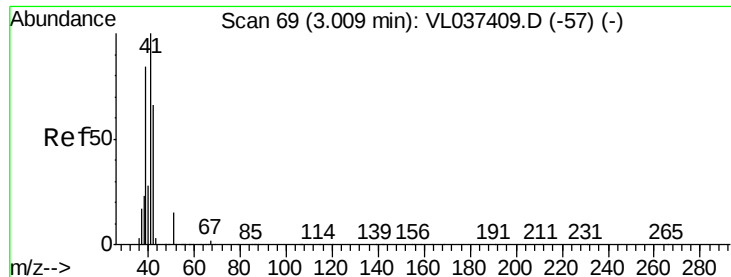
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Time-->





#9

Propene

Concen: 9.559 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 803047

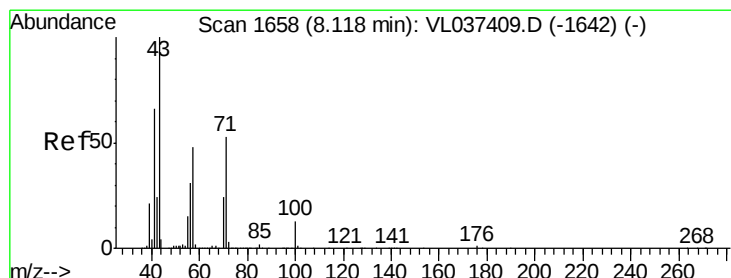
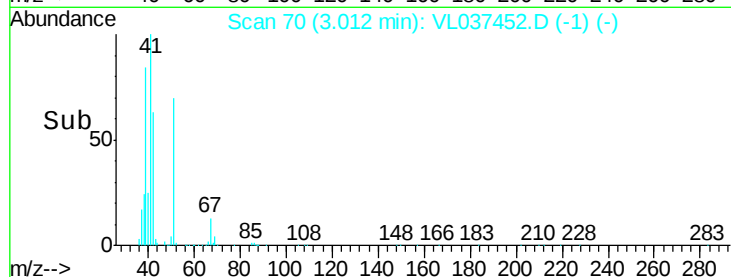
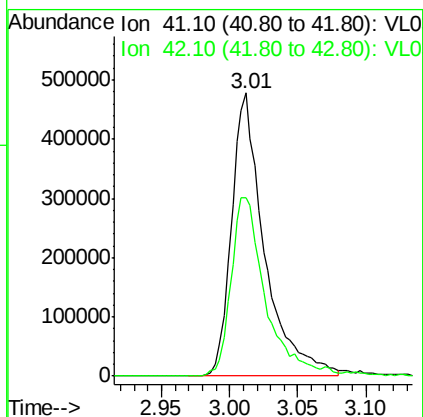
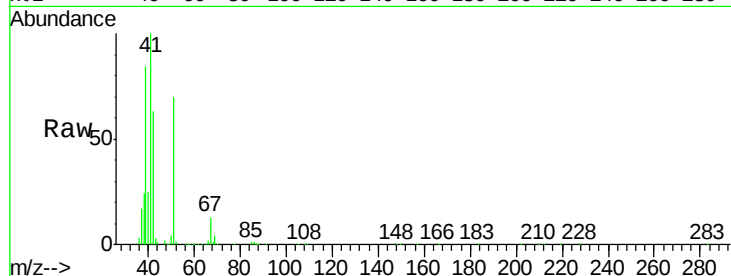
Ion Ratio Lower Upper

41 100

42 67.7 53.8 80.8

Manual Integrations
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#10

Heptane

Concen: 10.115 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.01 min

Lab File: VL037452.D

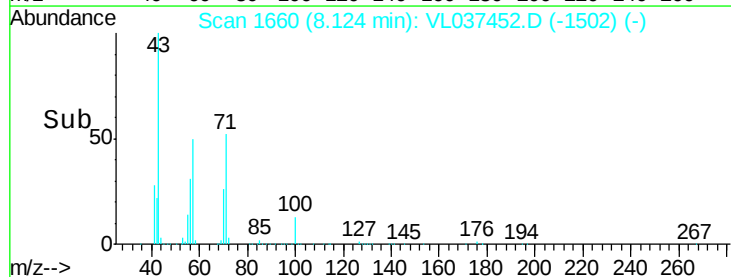
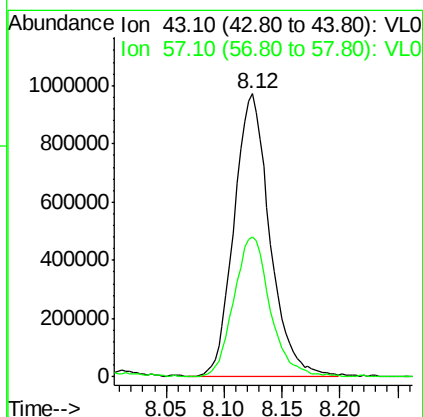
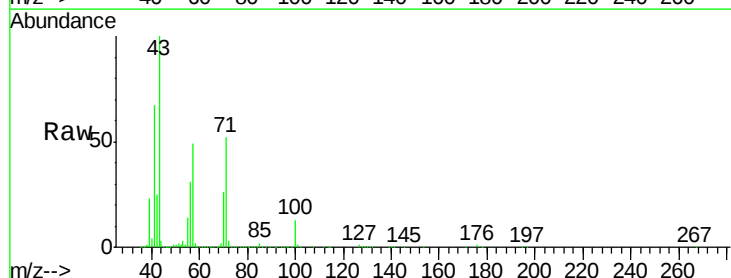
Acq: 13 Aug 2021 17:05

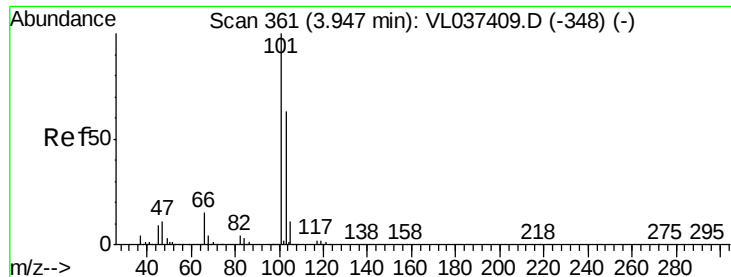
Tgt Ion: 43 Resp: 2066360

Ion Ratio Lower Upper

43 100

57 50.6 40.3 60.5





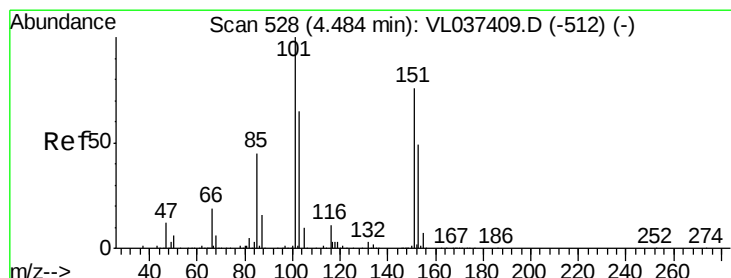
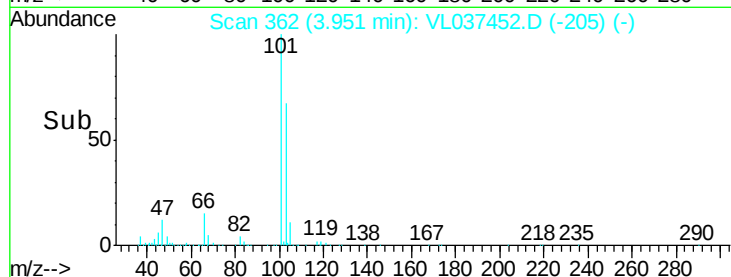
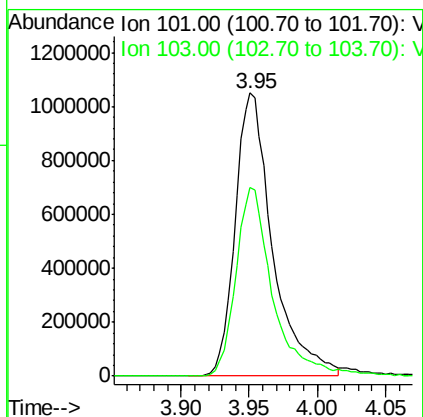
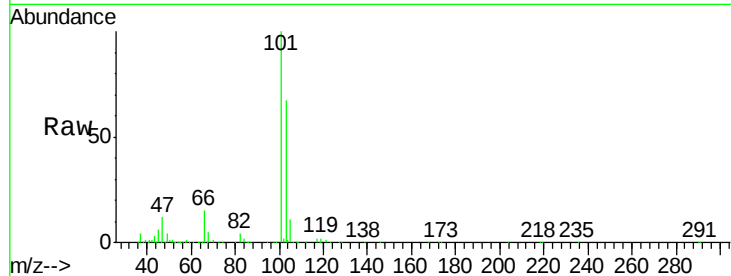
#11
 Trichlorofluoromethane
 Concen: 9.482 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1996880
 Ion Ratio Lower Upper
 101 100
 103 66.7 50.2 75.4

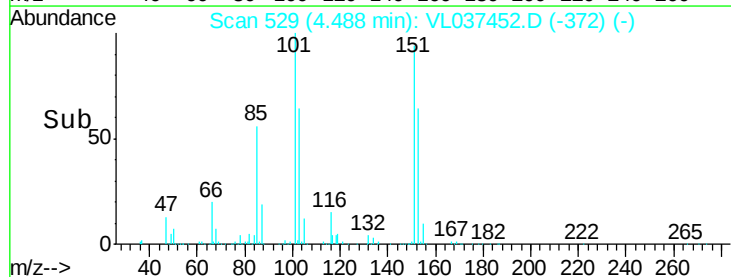
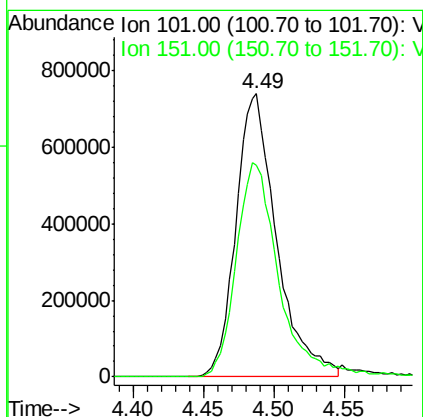
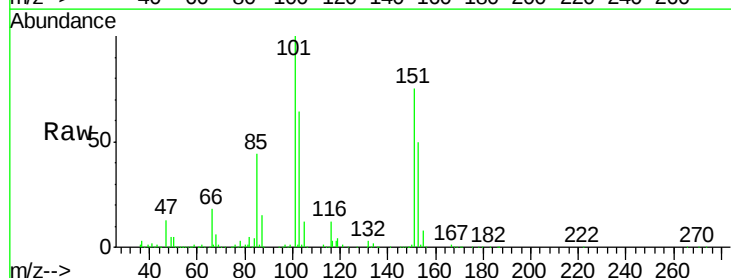
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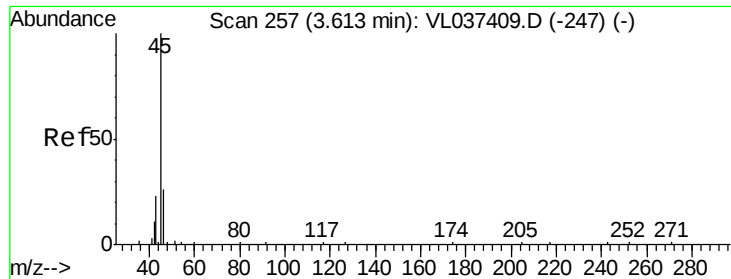
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.129 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion:101 Resp: 1494390
 Ion Ratio Lower Upper
 101 100
 151 80.2 61.2 91.8





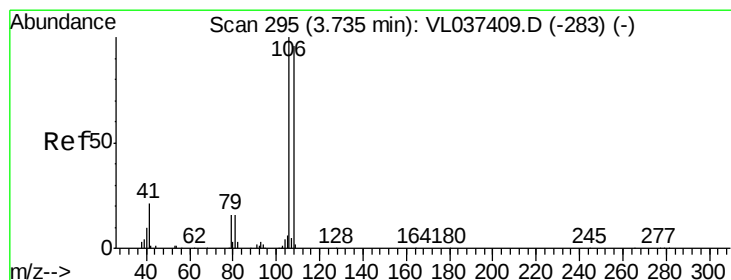
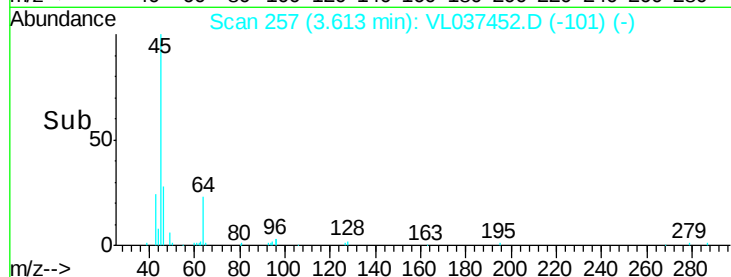
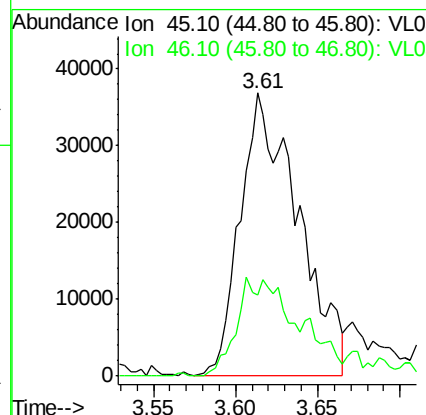
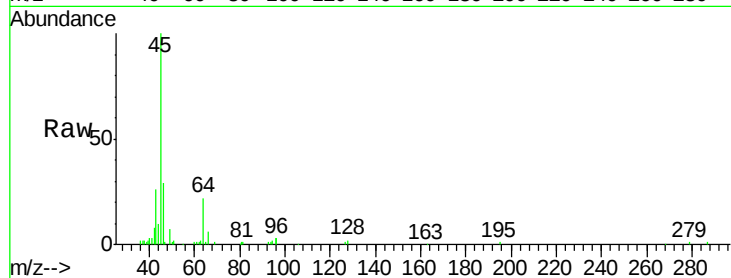
#13
Ethanol
Concen: 10.087 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	90430
Ion Ratio	100	Lower	Upper
46	42.7	18.0	72.2

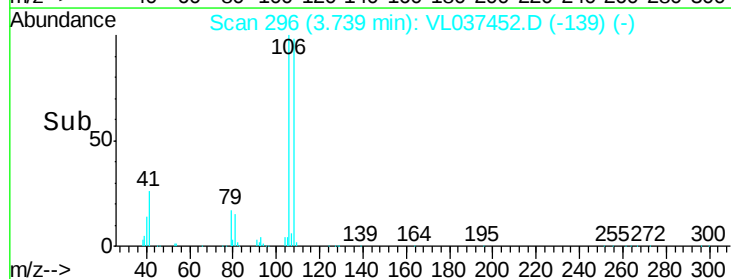
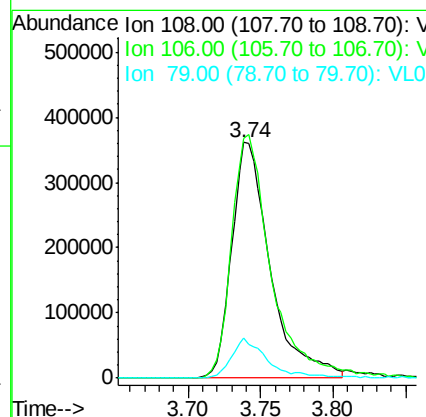
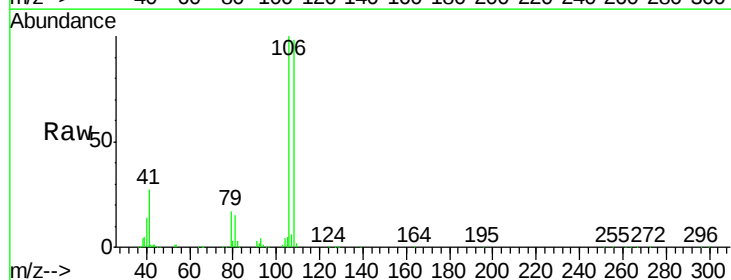
Manual Integrations
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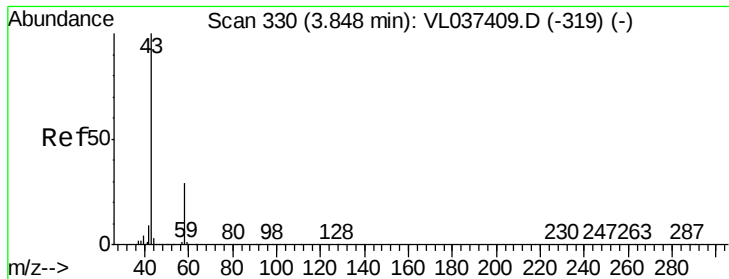
MMDadoda
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#14
Bromoethene
Concen: 10.225 ppbv
RT: 3.74 min Scan# 296
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	108	Resp	670985
Ion Ratio	100	Lower	Upper
106	107.0	87.5	131.3
79	16.3	13.5	20.3





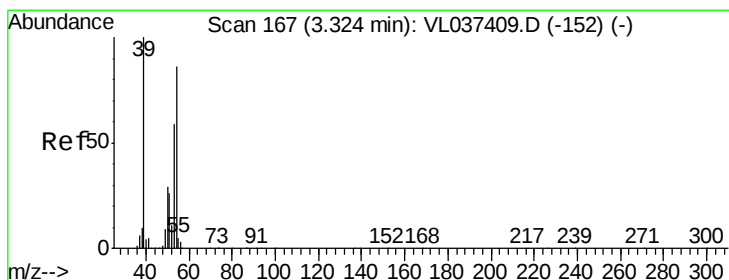
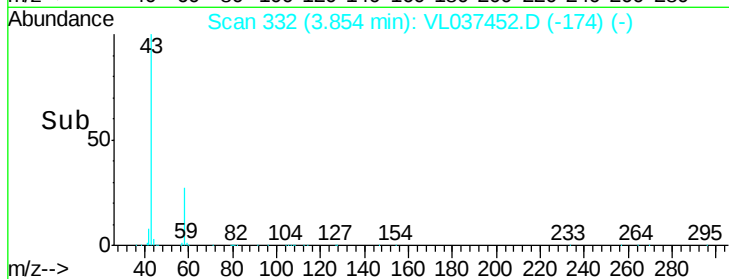
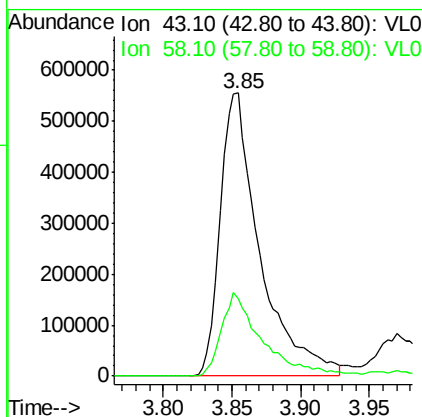
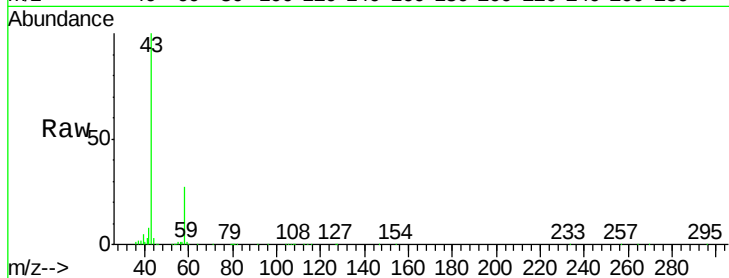
#15
Acetone
Concen: 8.239 ppbv m
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1113099
Ion Ratio Lower Upper
43 100
58 30.2 24.4 36.6

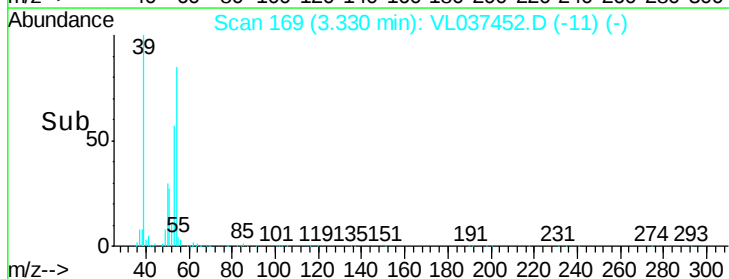
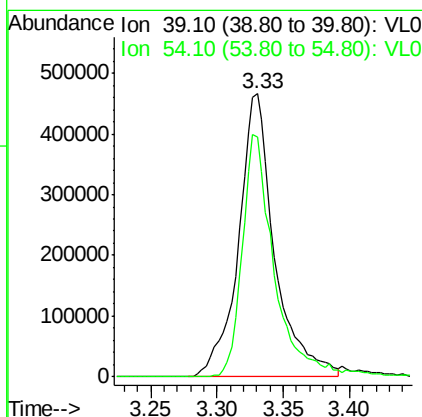
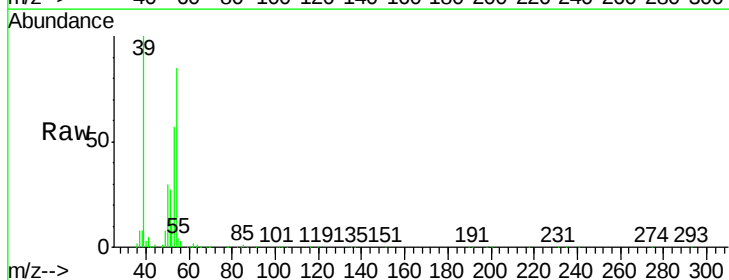
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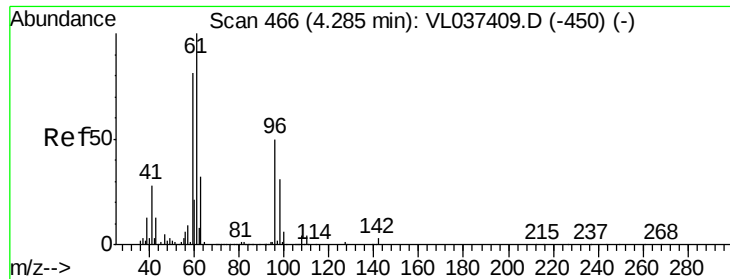
MMDadoda
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#16
1,3-Butadiene
Concen: 9.692 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 39 Resp: 878849
Ion Ratio Lower Upper
39 100
54 77.6 61.4 92.0





#17

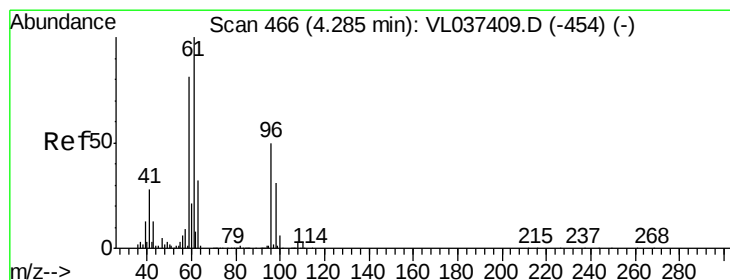
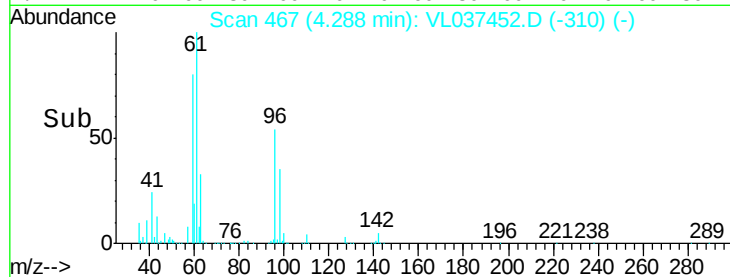
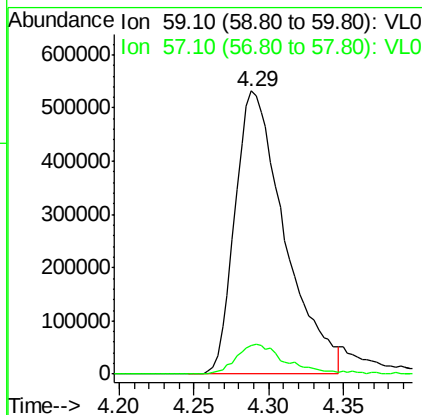
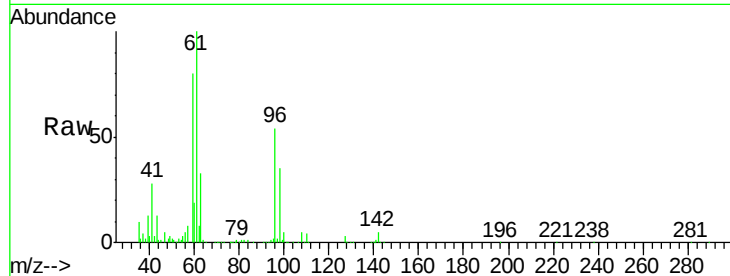
tert-Butyl alcohol
Concen: 9.531 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	59	Resp	1229116
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

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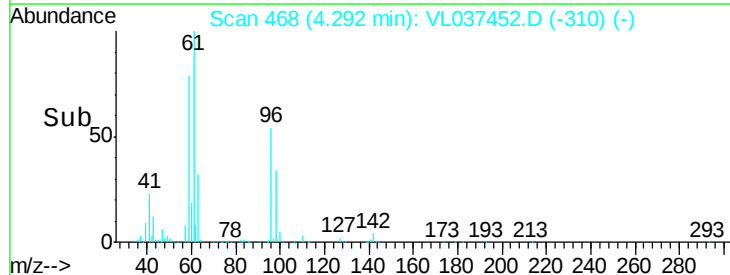
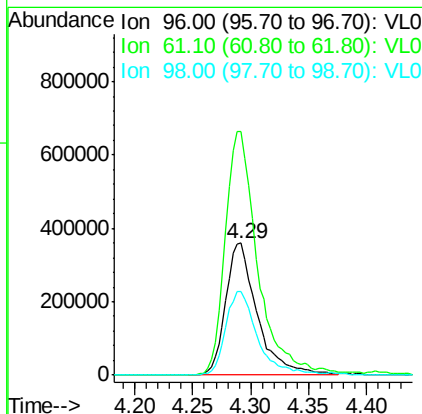
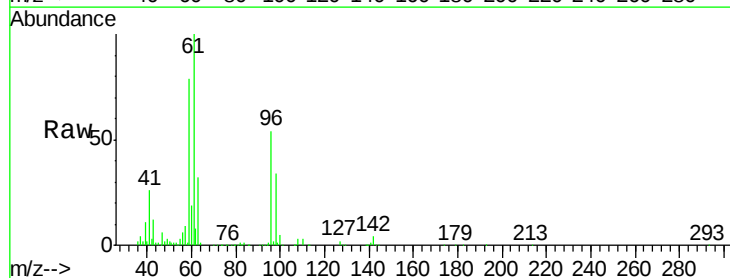
MMDadoda
8/16/2021 5:04:10 PM

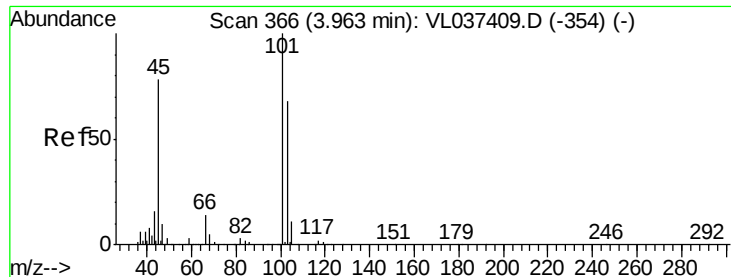


#18

1,1-Dichloroethene
Concen: 9.912 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	96	Resp	678913
Ion	Ratio	Lower	Upper
96	100		
61	184.1	159.0	238.4
98	63.0	49.4	74.2





#19

Isopropyl Alcohol

Concen: 8.656 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 680567

Ion Ratio Lower Upper

45 100

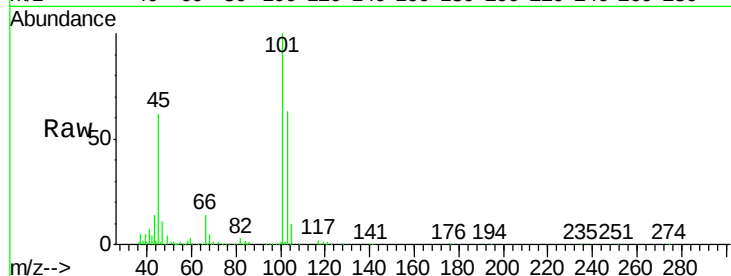
58 3.1 2.2 3.4

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

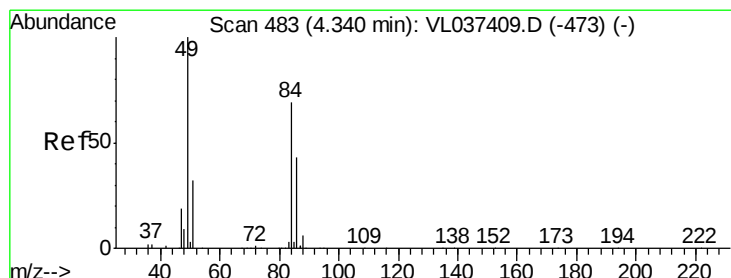
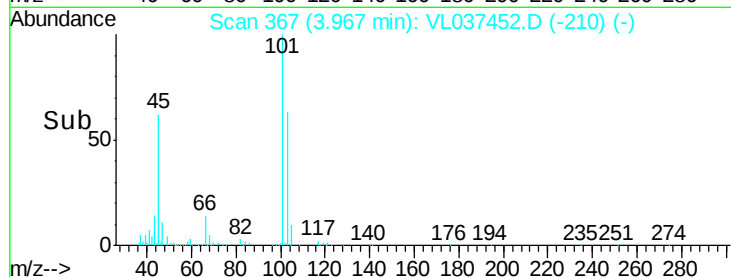
300000

200000

100000

0

Time-->



#20

Methylene Chloride

Concen: 8.405 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tgt Ion: 84 Resp: 600463

Ion Ratio Lower Upper

84 100

49 155.1 116.0 174.0

51 46.3 37.1 55.7

86 65.3 49.4 74.0

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

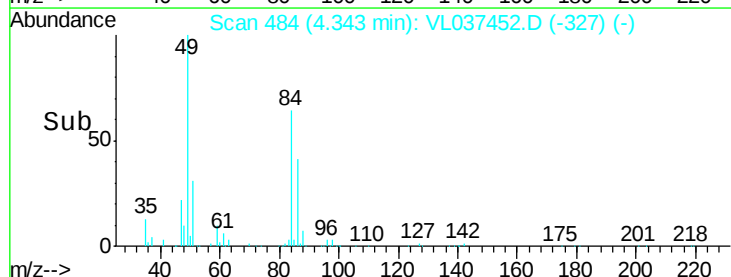
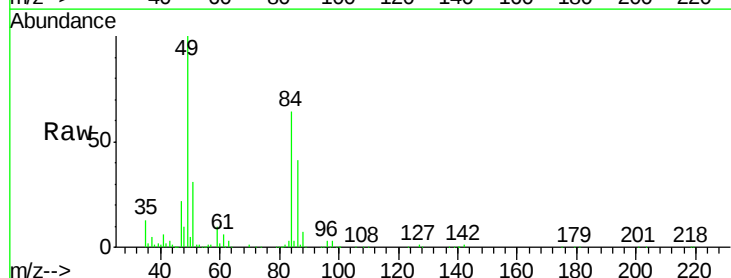
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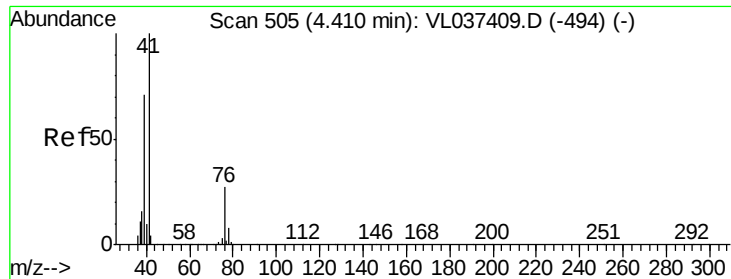
400000

200000

0

Time-->





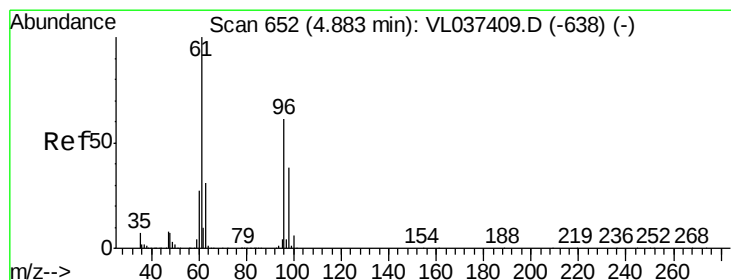
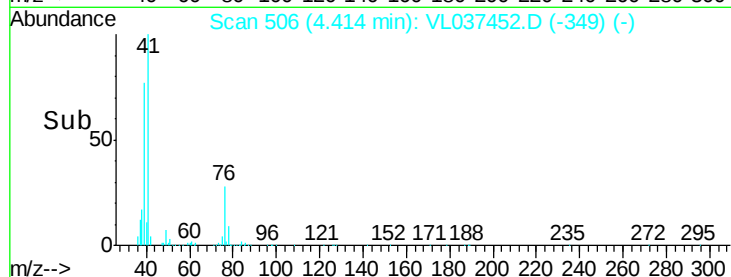
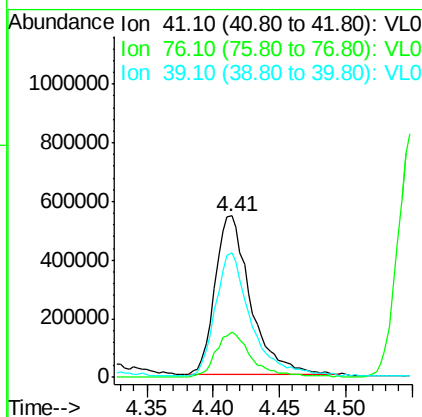
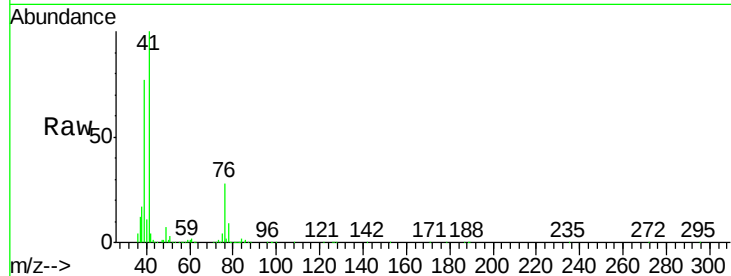
#21
Allvl Chloride
Concen: 9.525 ppbv
RT: 4.41 min Scan# 506
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1008359
Ion Ratio Lower Upper
41 100
76 29.0 23.7 35.5
39 79.6 62.3 93.5

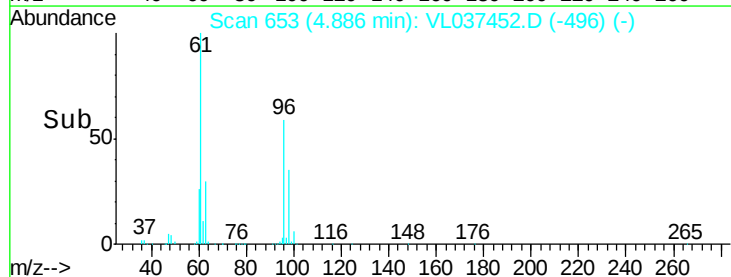
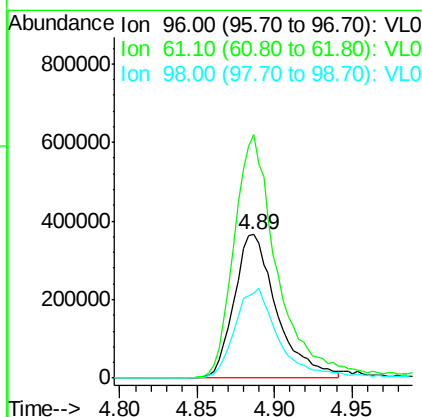
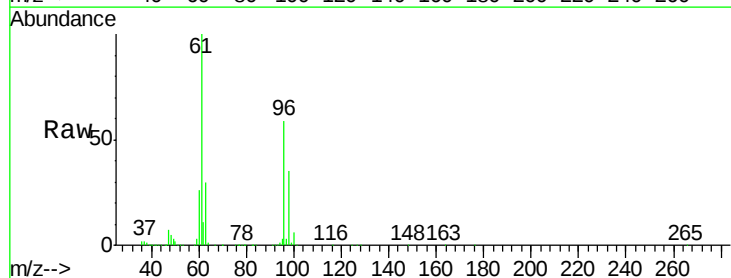
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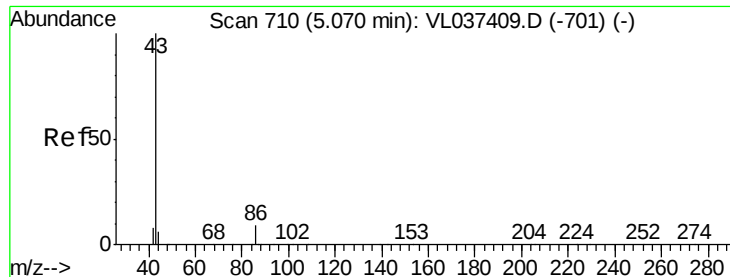
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#22
trans-1,2-Dichloroethene
Concen: 10.942 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 96 Resp: 703041
Ion Ratio Lower Upper
96 100
61 169.7 131.0 196.4
98 59.4 50.2 75.4





#23

Vinyl Acetate

Concen: 7.948 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tot Ion: 43 Resp: 1647733

Ion Ratio Lower Upper

43 100

86 6.5 5.8 8.8

42 8.5 7.7 11.5

44 5.6 4.0 6.0

Instrument :

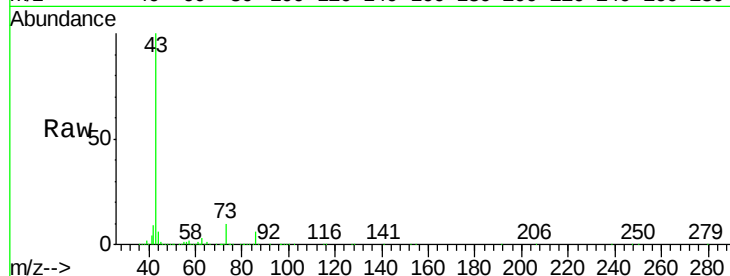
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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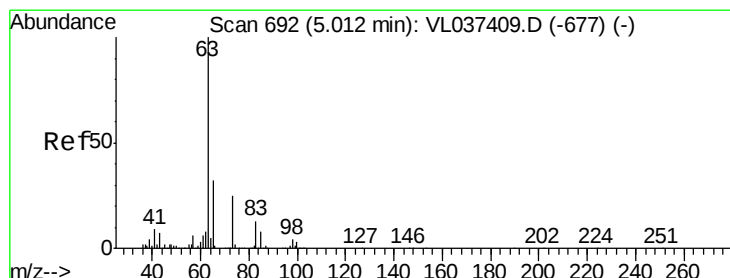
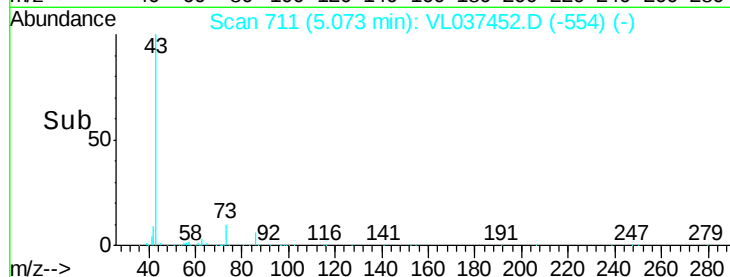
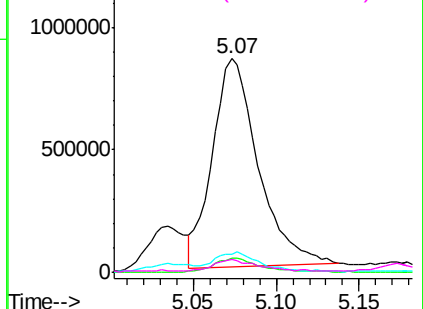


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.005 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

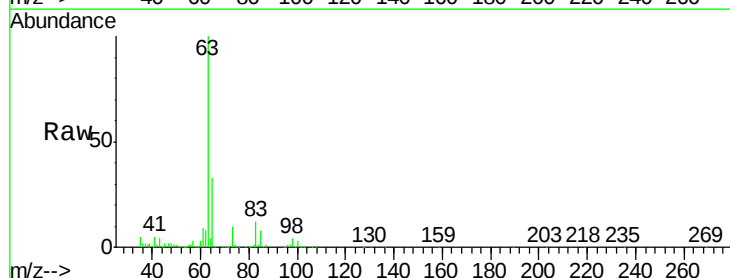
Tgt Ion: 63 Resp: 1449953

Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.3

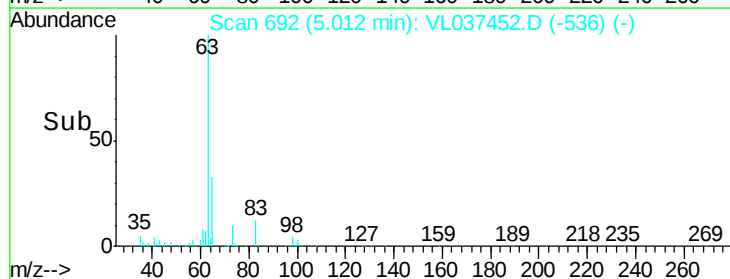
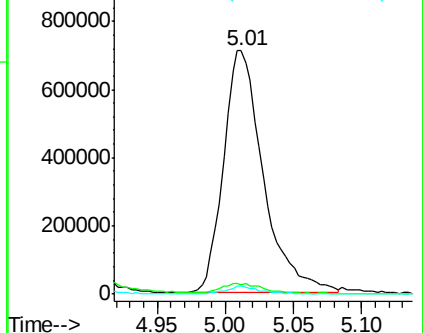
100 3.3 1.6 4.7

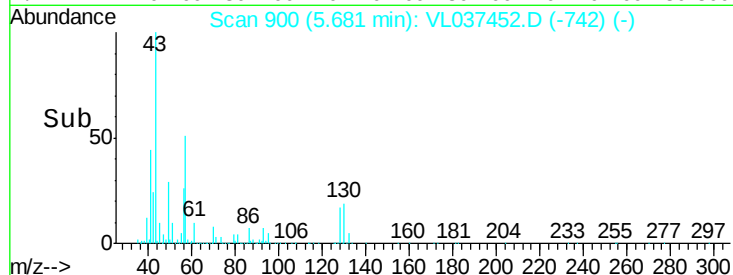
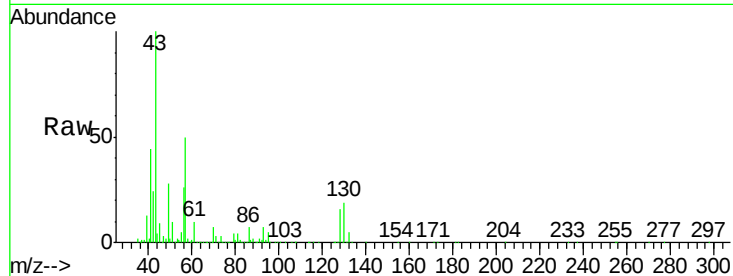
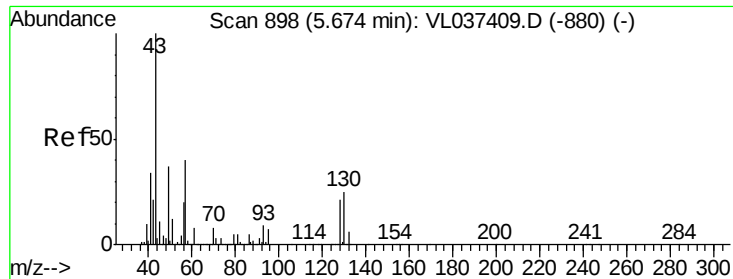


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





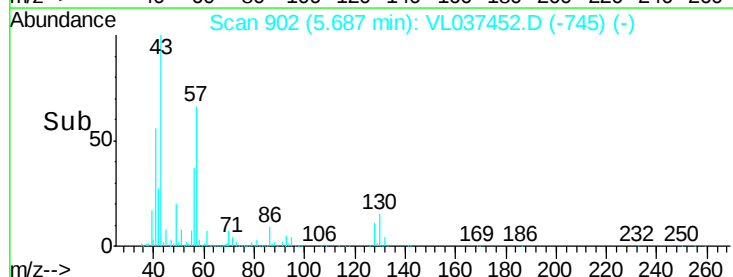
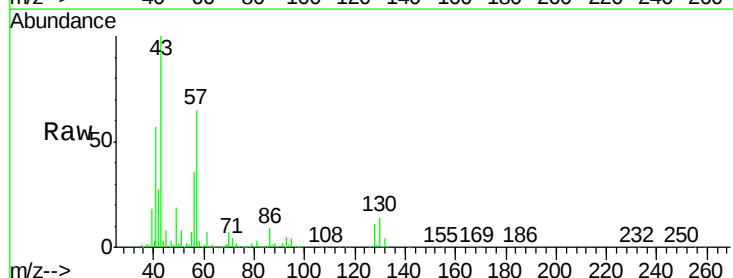
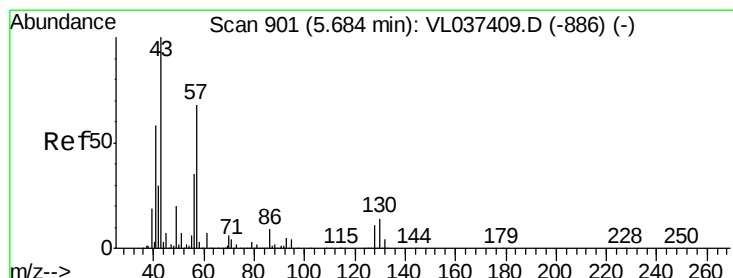
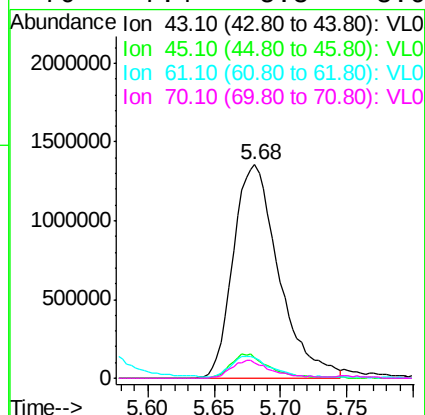
#25
Ethyl Acetate
Concen: 10.018 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tot Ion	43	Resp	3225573
Ion	Ratio	Lower	Upper
43	100		
45	10.3	7.9	11.9
61	9.9	7.7	11.5
70	7.4	5.8	8.6

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

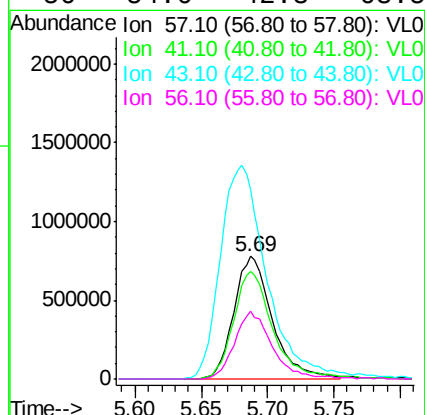
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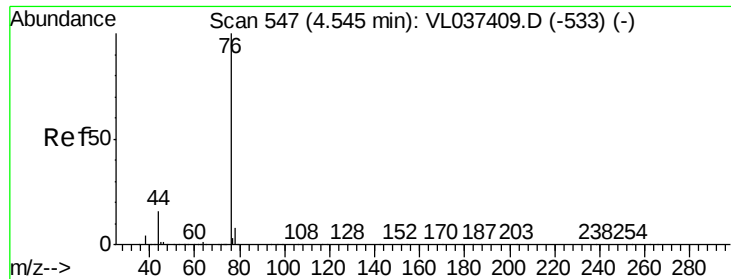
MMDadoda
8/16/2021 5:04:10 PM



#26
Hexane
Concen: 9.445 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	57	Resp	1569498
Ion	Ratio	Lower	Upper
57	100		
41	90.8	72.5	108.7
43	212.8	169.3	253.9
56	54.6	42.3	63.5





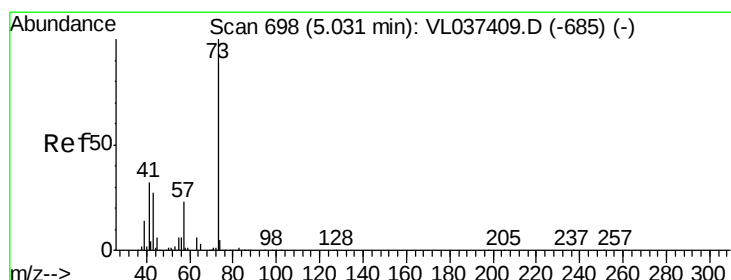
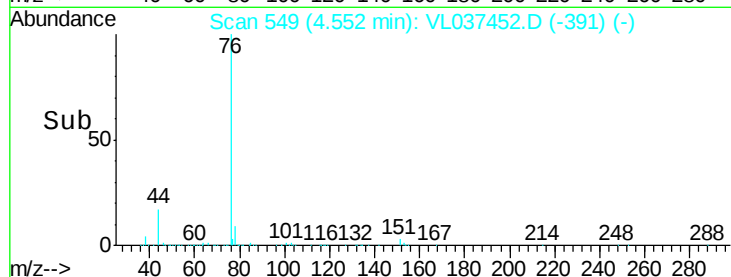
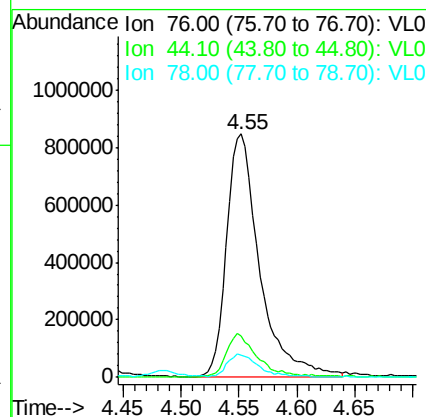
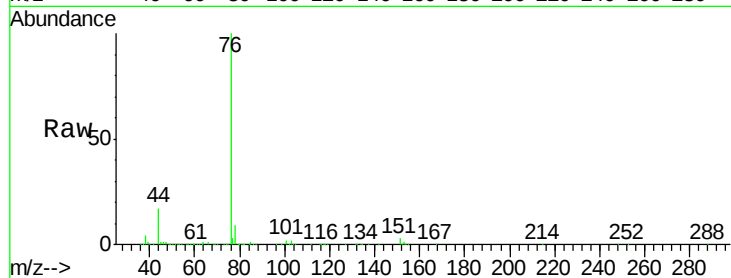
#27
Carbon Disulfide
Concen: 11.927 ppbv
RT: 4.55 min Scan# 549
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	17.4	14.4	21.6
78	9.4	8.0	12.0

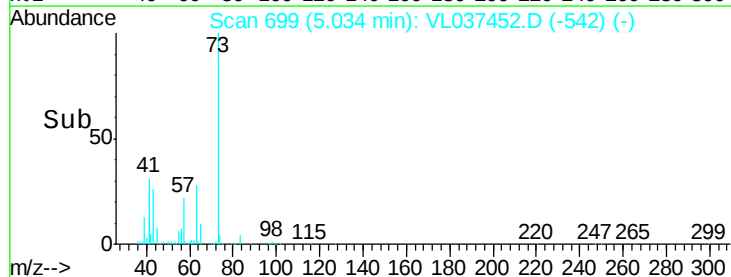
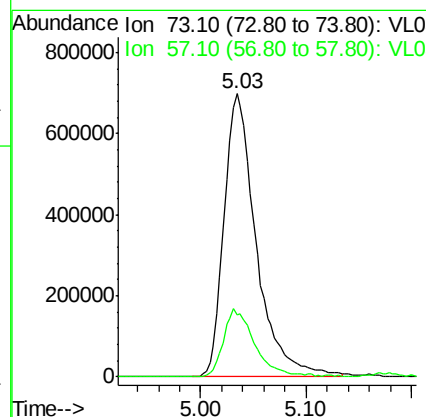
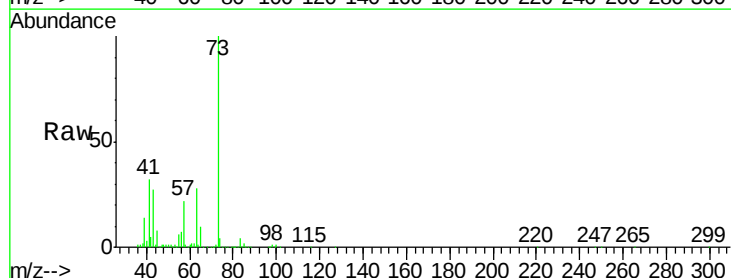
Manual Integrations
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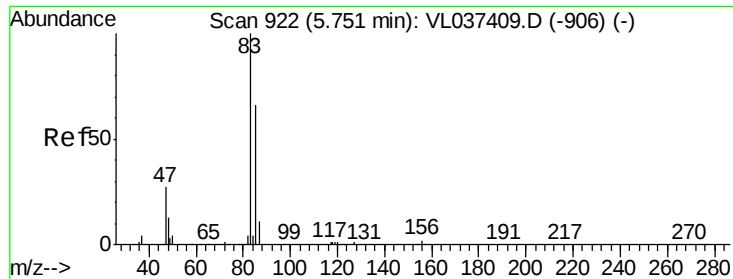
MMDadoda
8/16/2021 5:04:10 PM



#28
Methyl tert-Butyl Ether
Concen: 8.294 ppbv
RT: 5.03 min Scan# 699
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.7	19.0	28.4





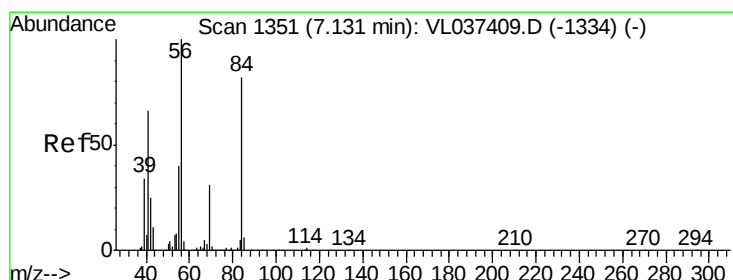
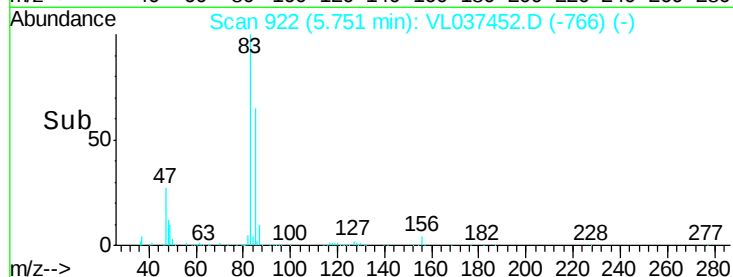
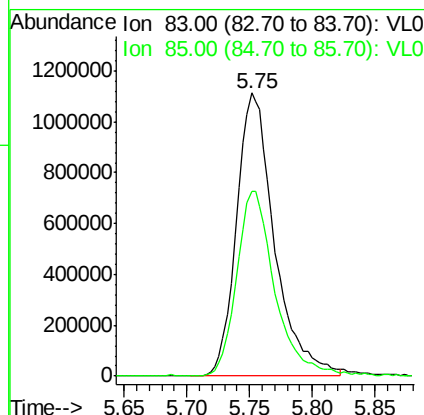
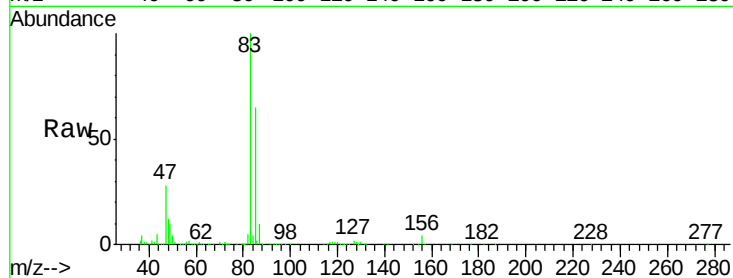
#29
Chloroform
Concen: 10.026 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2345560
Ion Ratio Lower Upper
83 100
85 65.3 52.4 78.6

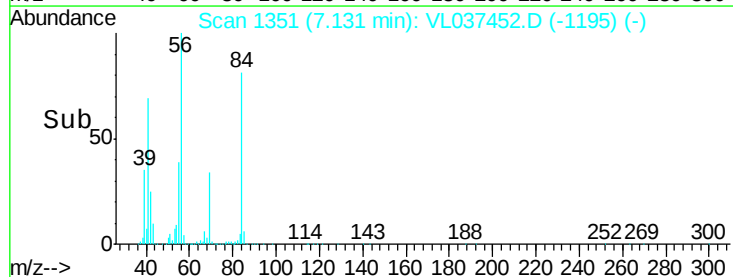
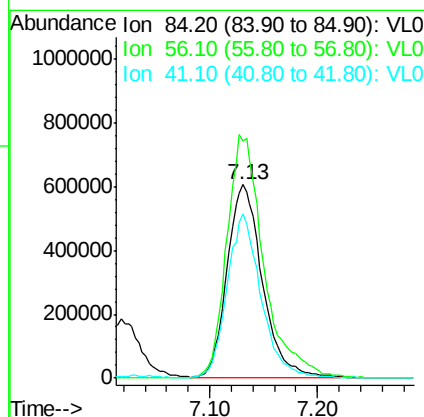
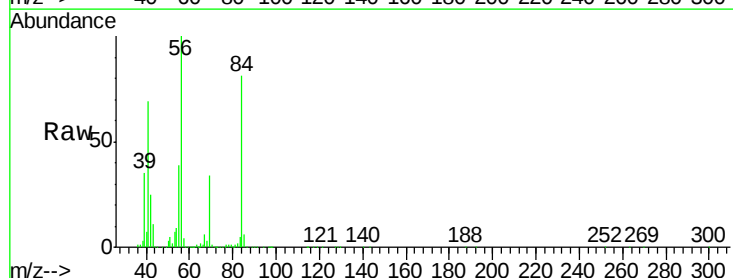
Manual Integrations
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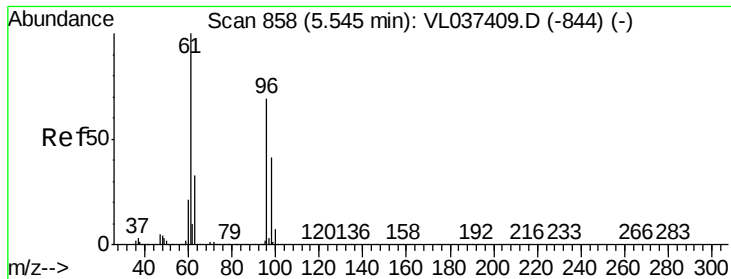
MMDadoda
8/16/2021 5:04:10 PM



#30
Cyclohexane
Concen: 9.993 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 84 Resp: 1367434
Ion Ratio Lower Upper
84 100
56 134.1 109.6 164.4
41 83.0 66.6 99.8





#31

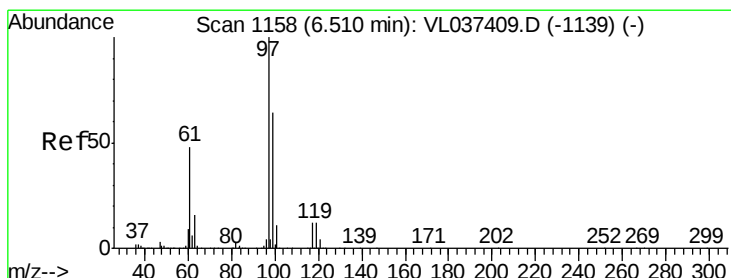
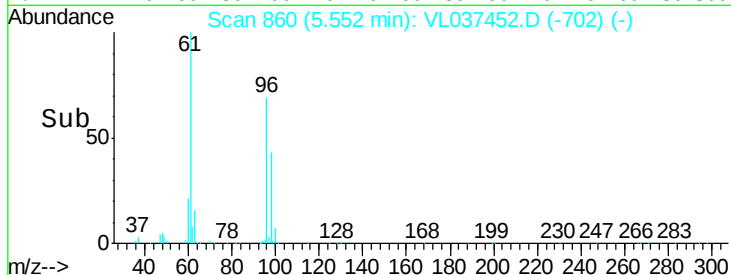
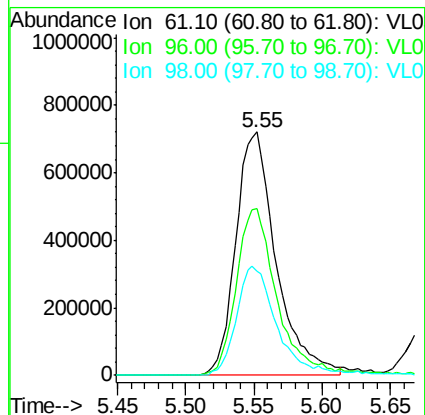
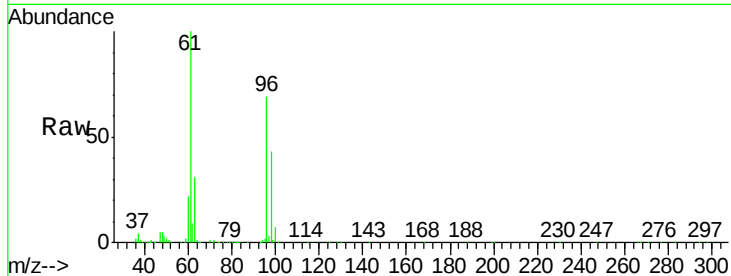
cis-1,2-Dichloroethene
Concen: 10.296 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.8	55.5	83.3
98	42.7	33.1	49.7

Manual Integrations
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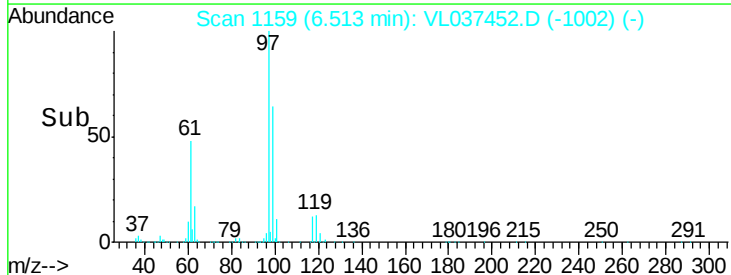
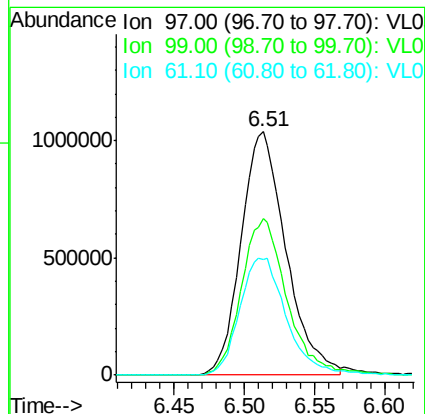
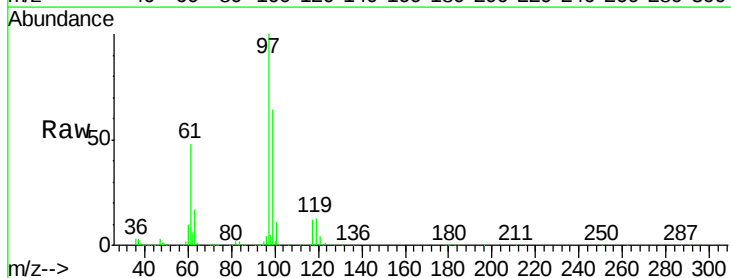
MMDadoda
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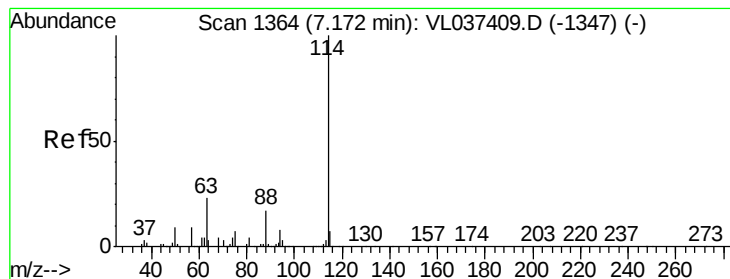


#32

1,1,1-Trichloroethane
Concen: 9.784 ppbv
RT: 6.51 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	52.3	78.5
61	50.5	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:114 Resp: 3915753

Ion Ratio Lower Upper

114 100

63 24.4 19.4 29.2

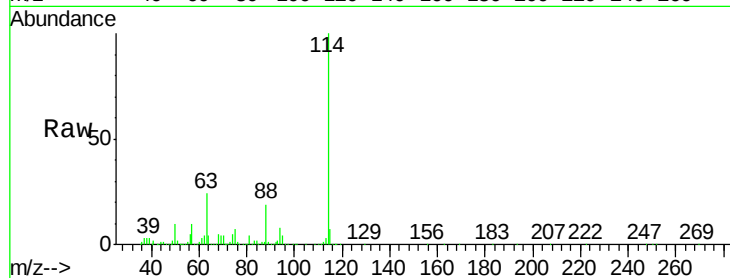
88 17.8 14.2 21.4

Manual Integrations

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MMDadoda

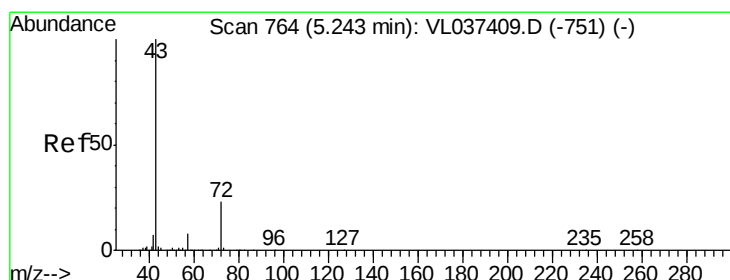
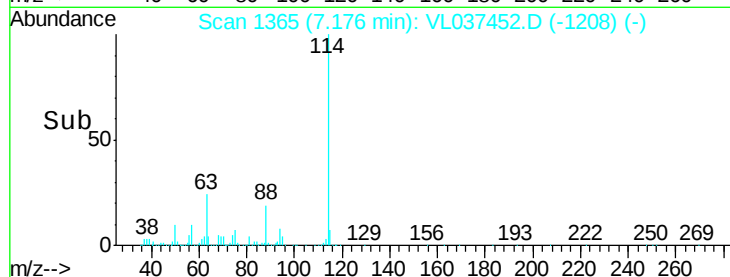
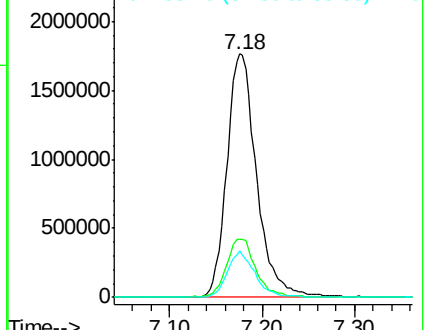
8/16/2021 5:04:10 PM



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.481 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL037452.D

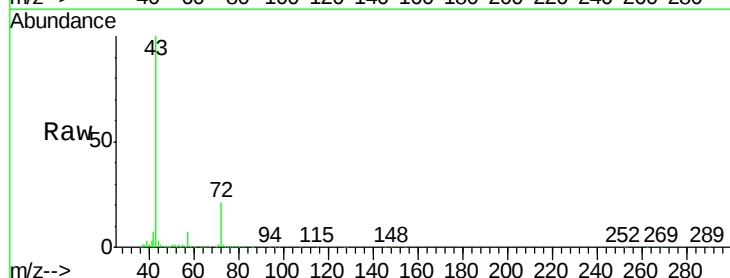
Acq: 13 Aug 2021 17:05

Tgt Ion: 43 Resp: 1371126

Ion Ratio Lower Upper

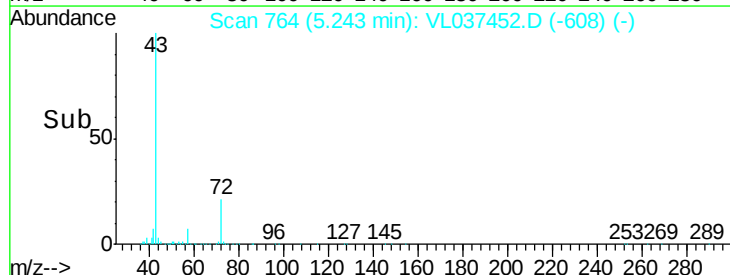
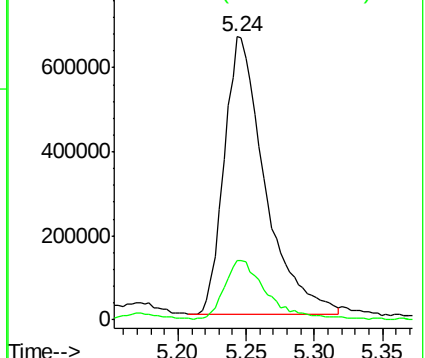
43 100

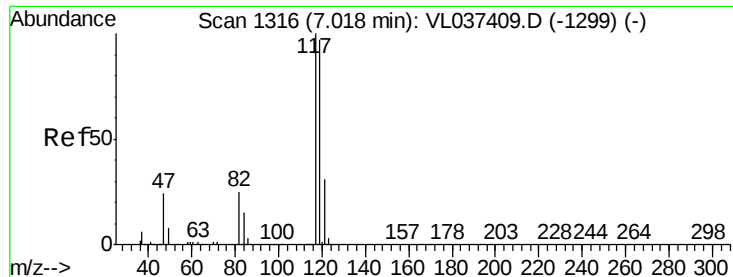
72 22.8 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





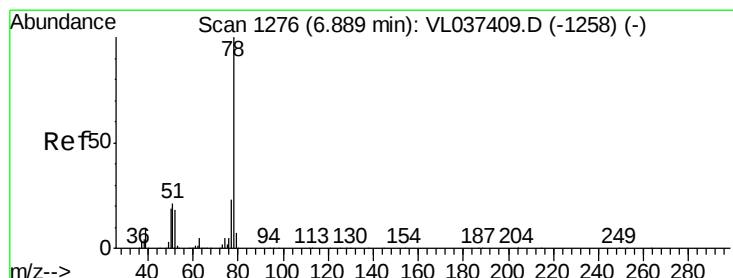
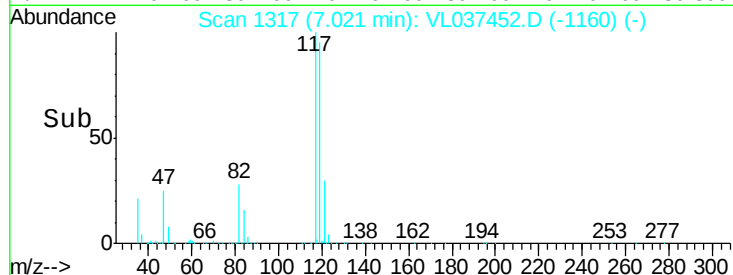
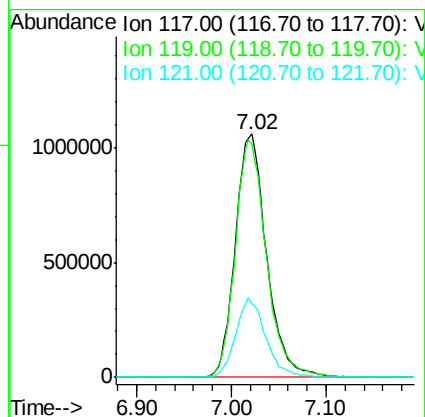
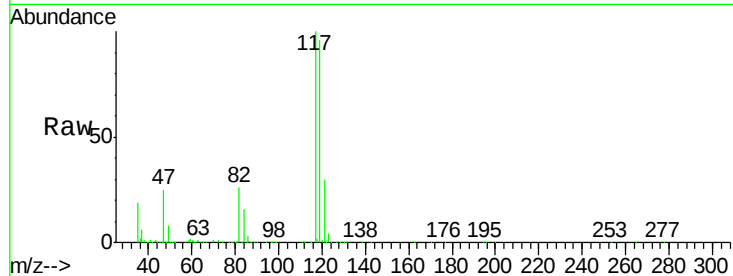
#35
Carbon Tetrachloride
Concen: 10.121 ppbv
RT: 7.02 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.5	116.3
121	30.0	24.7	37.1

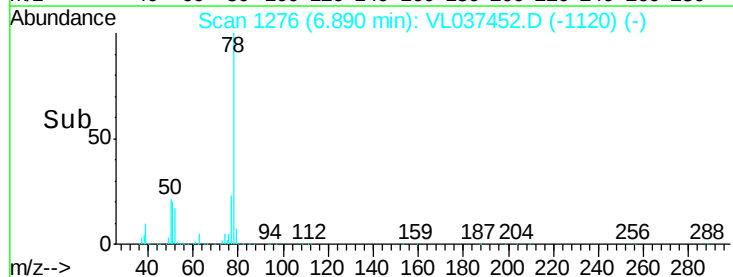
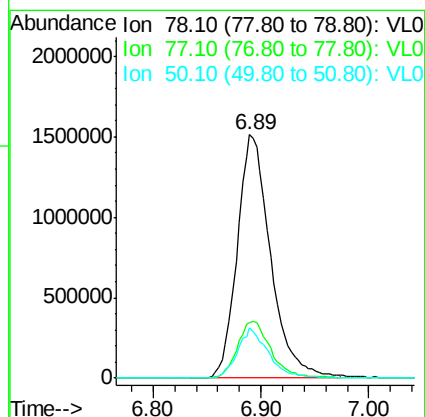
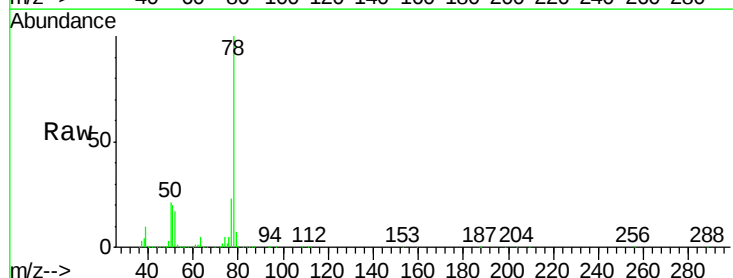
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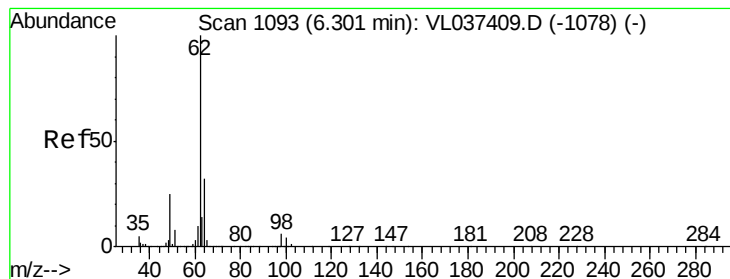
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#36
Benzene
Concen: 9.879 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	27.8
50	20.6	14.9	22.3





#37

1,2-Dichloroethane

Concen: 10.064 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1695811

Ion Ratio Lower Upper

62 100

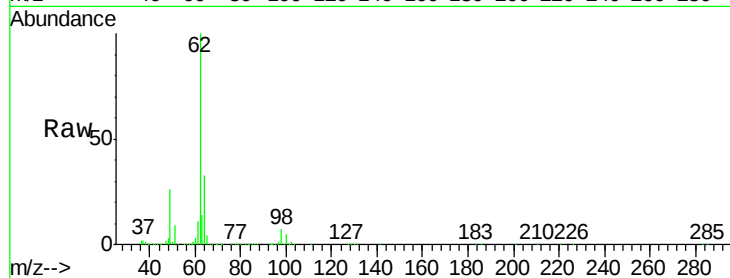
98 6.9 5.4 8.2

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

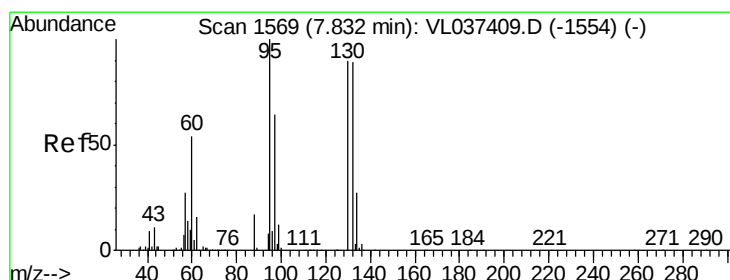
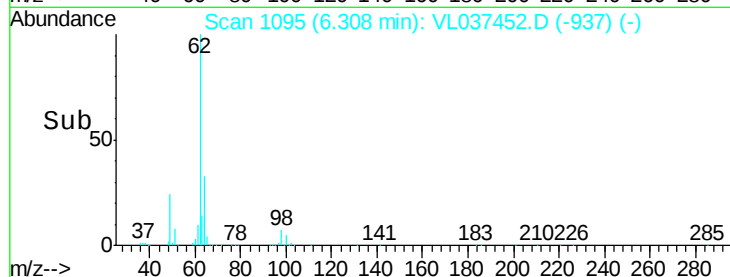
400000

200000

0

6.20 6.25 6.30 6.35 6.40

Time-->



#38

Trichloroethene

Concen: 9.112 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tgt Ion: 130 Resp: 1327979

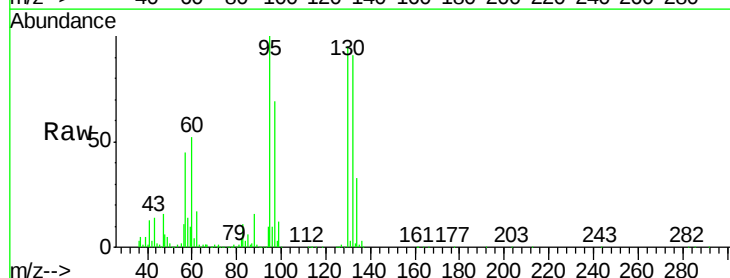
Ion Ratio Lower Upper

130 100

95 104.7 88.6 132.8

132 95.4 79.2 118.8

97 72.0 56.9 85.3



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

600000

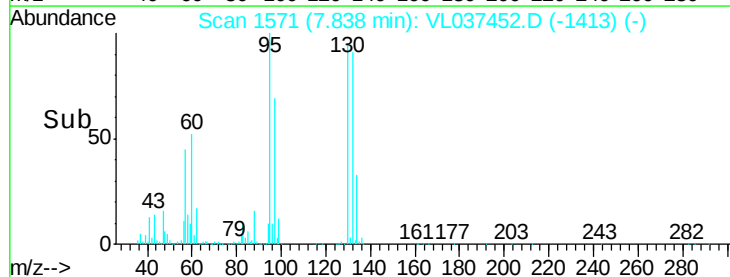
400000

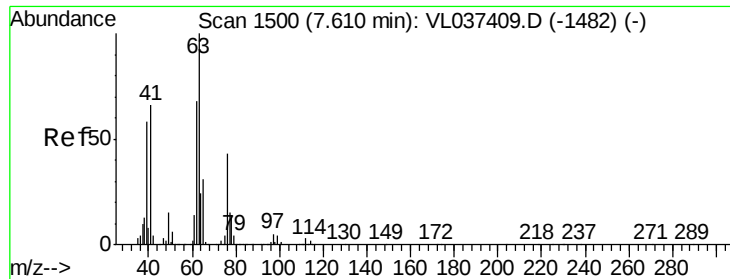
200000

0

7.75 7.80 7.85 7.90 7.95

Time-->





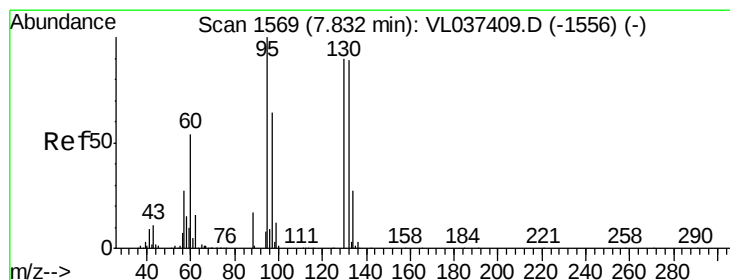
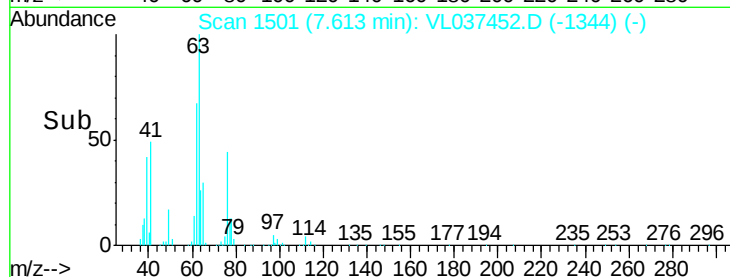
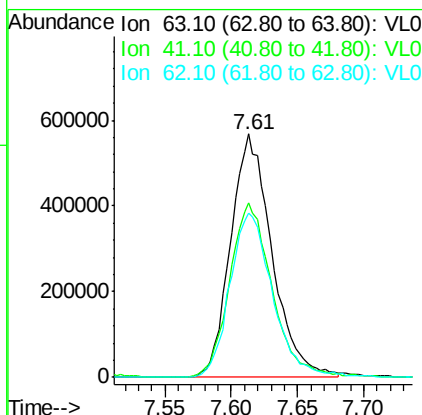
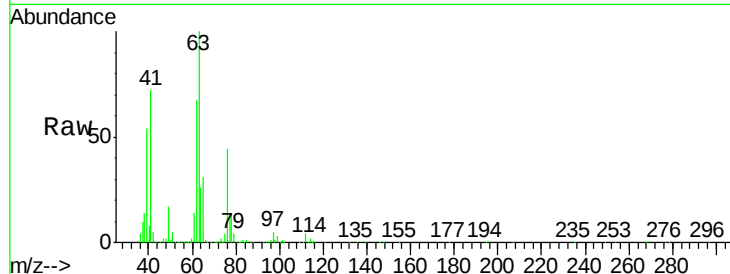
#39
 1,2-Dichloropropane
 Concen: 9.734 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	63	Resp:	1224374
Ion	Ratio	Lower	Upper
63	100		
41	71.6	53.0	79.6
62	67.0	54.5	81.7

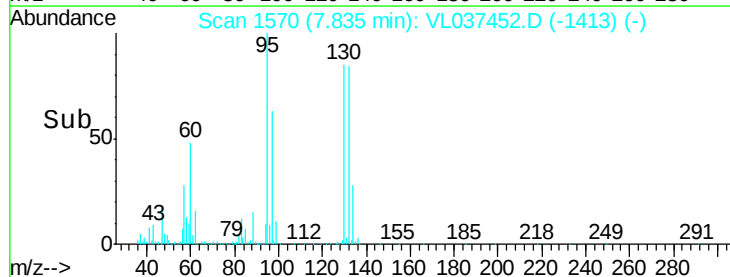
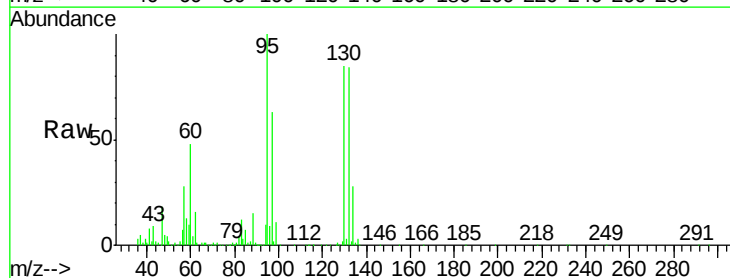
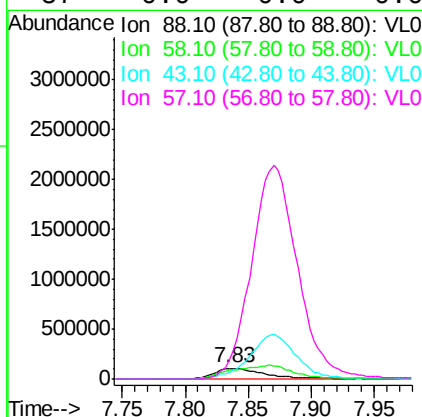
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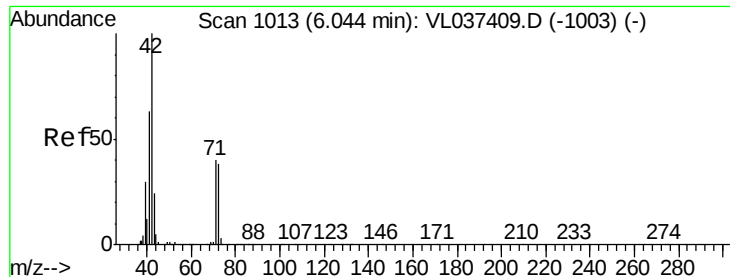
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 8/16/2021 5:04:10 PM



#40
 1,4-Dioxane
 Concen: 9.565 ppbv m
 RT: 7.83 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion:	88	Resp:	292786
Ion	Ratio	Lower	Upper
88	100		
58	0.0	0.0	0.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0





#41

Tetrahydrofuran

Concen: 9.851 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL037452.D

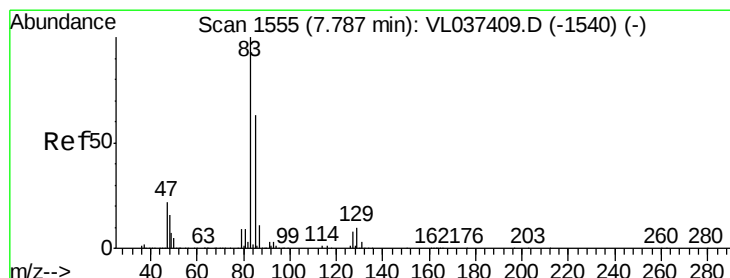
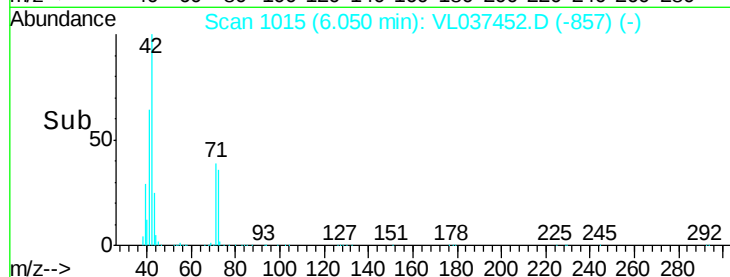
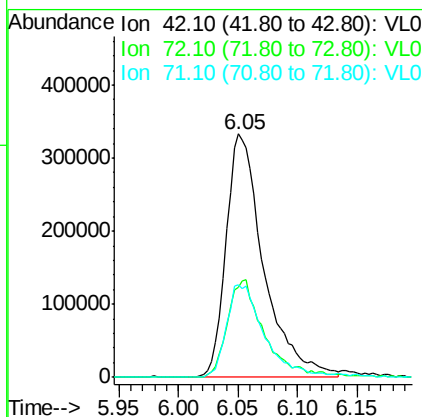
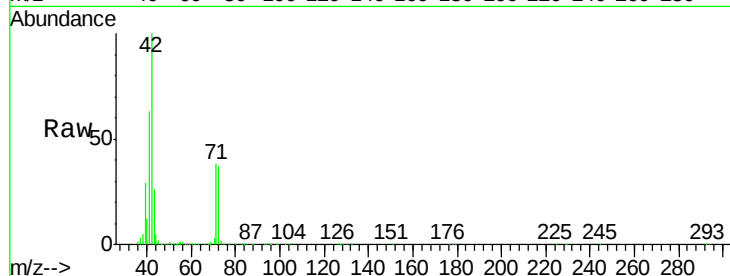
Acq: 13 Aug 2021 17:05

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.6	33.5	50.3
71	39.2	32.6	48.8

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.539 ppbv m

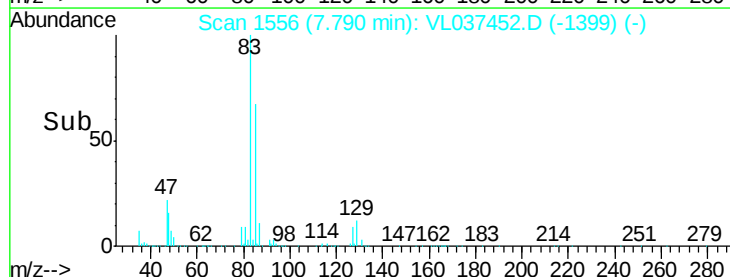
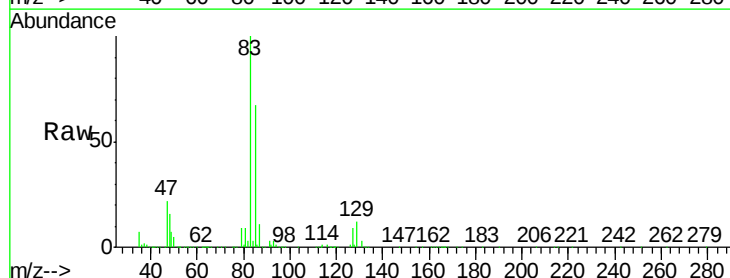
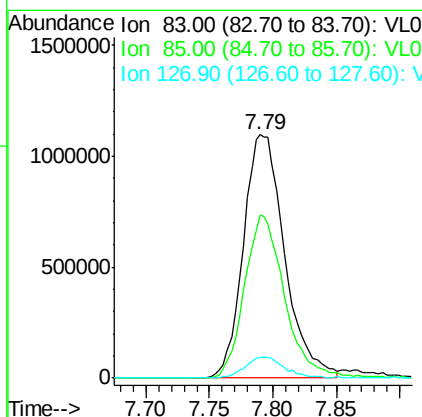
RT: 7.79 min Scan# 1556

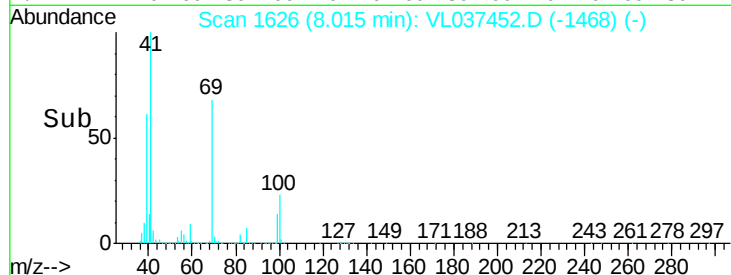
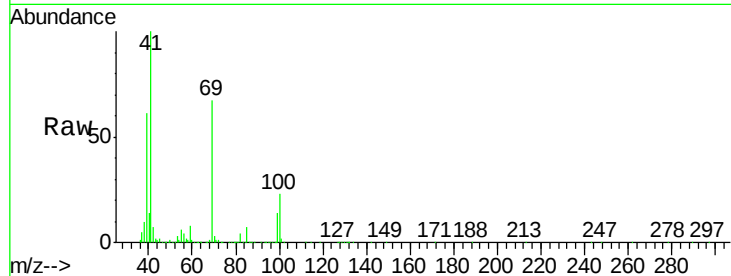
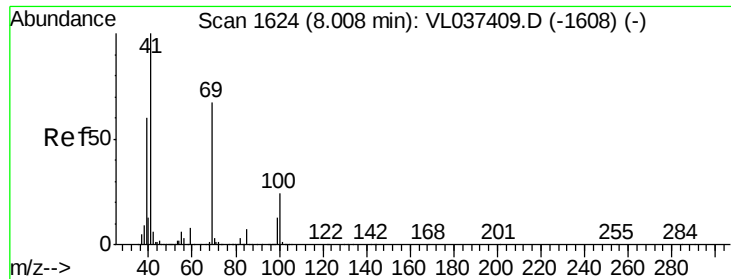
Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	50.2	75.2
127	8.7	6.6	9.8





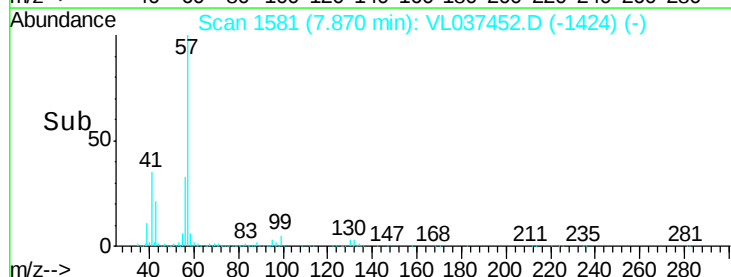
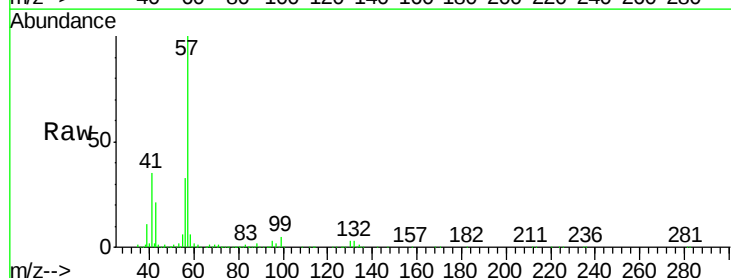
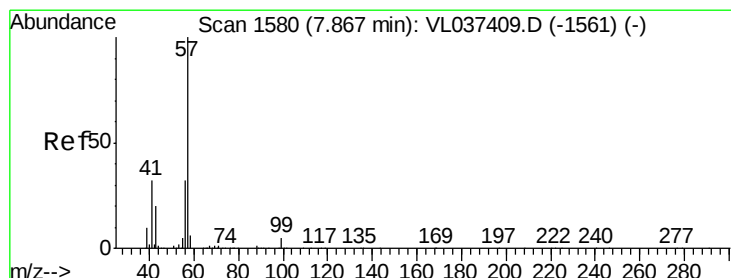
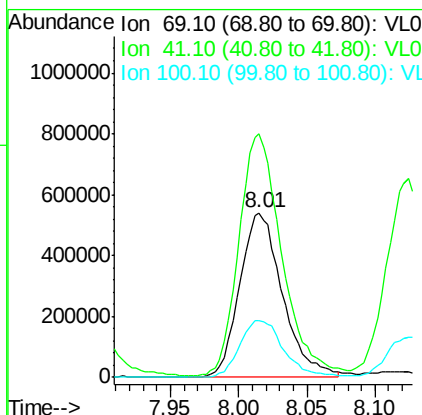
#43
Methvl Methacrilate
Concen: 10.481 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tot Ion	Ratio	Lower	Upper
69	100		
41	149.6	118.1	177.1
100	35.7	27.6	41.4

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

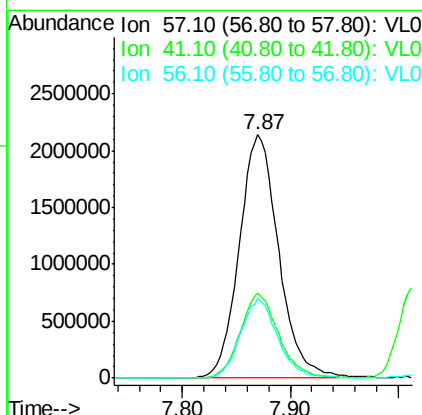
Manual Integrations
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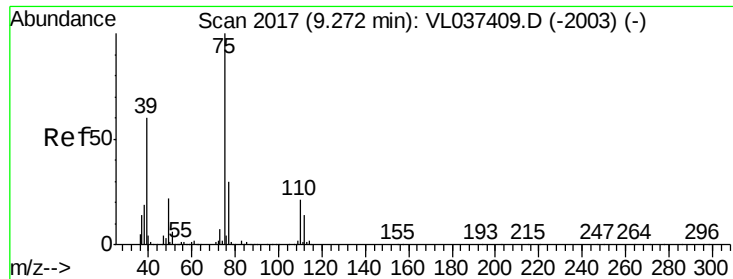
MMDadoda
8/16/2021 5:04:10 PM



#44
2,2,4-Trimethylpentane
Concen: 9.826 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.9	26.4	39.6
56	31.3	25.0	37.4





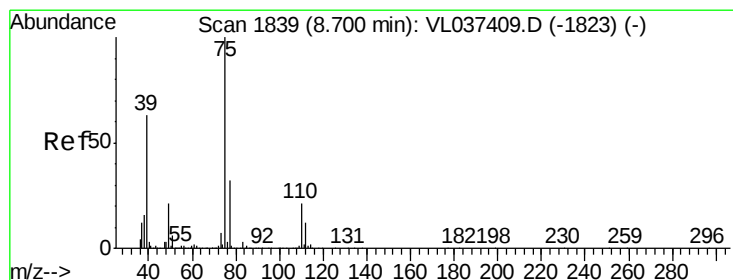
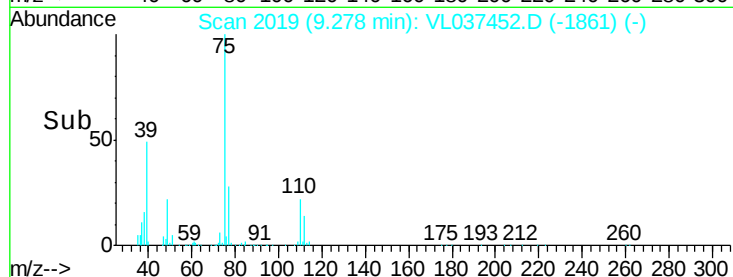
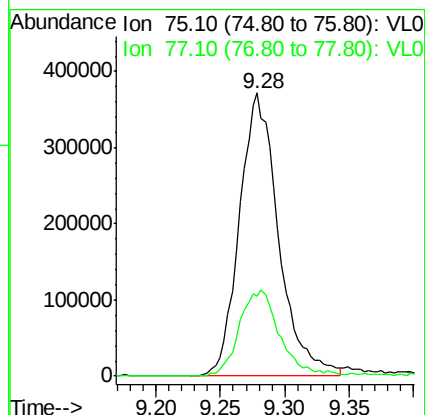
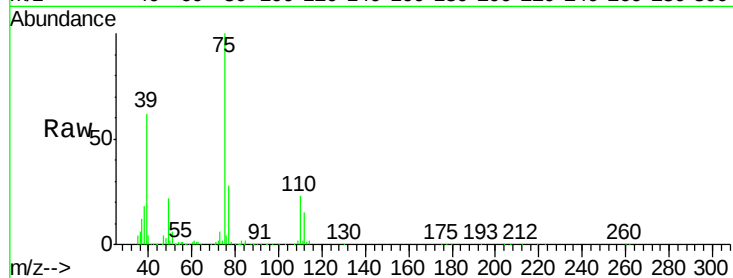
#45
t-1,3-Dichloropropene
Concen: 9.460 ppbv
RT: 9.28 min Scan# 2019
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.0	24.2	36.2

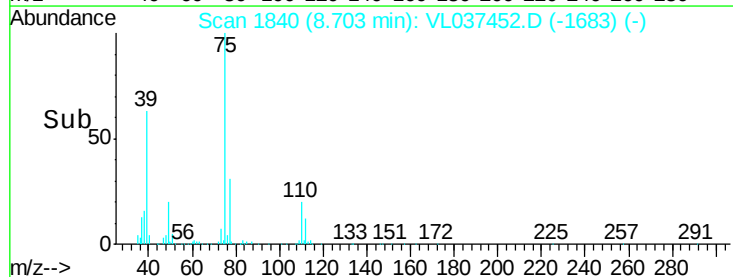
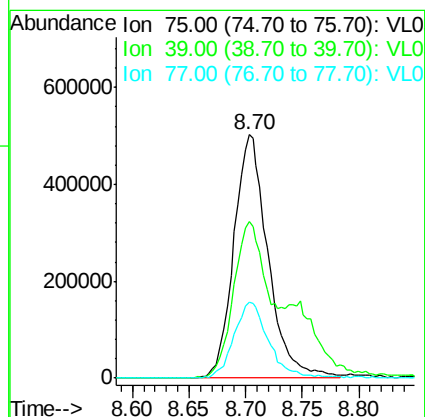
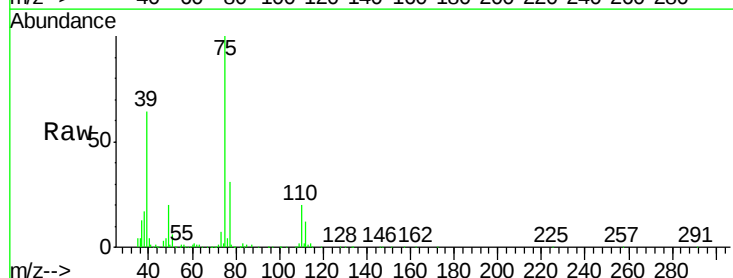
Manual Integrations
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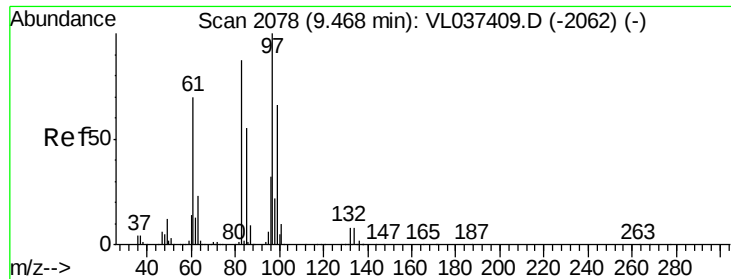
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 9.099 ppbv
RT: 8.70 min Scan# 1840
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
39	64.3	50.1	75.1
77	31.2	25.8	38.8





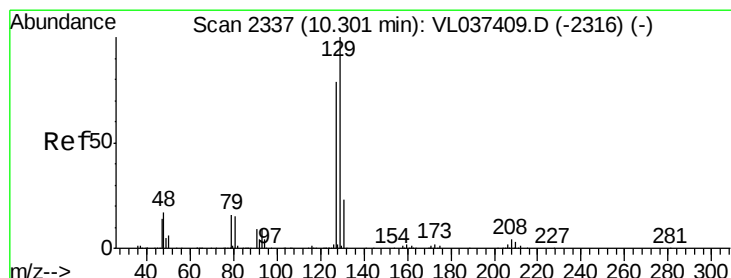
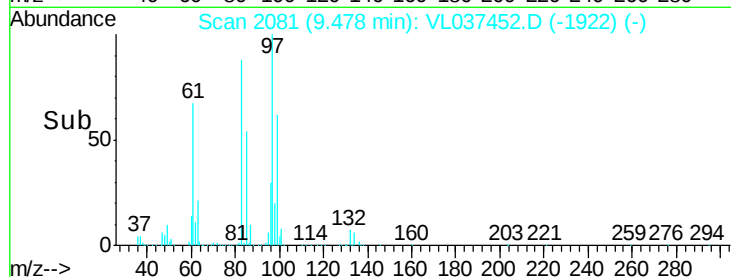
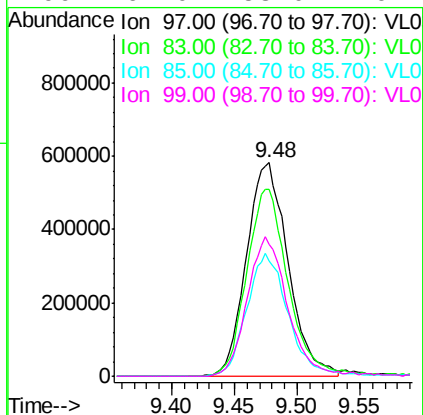
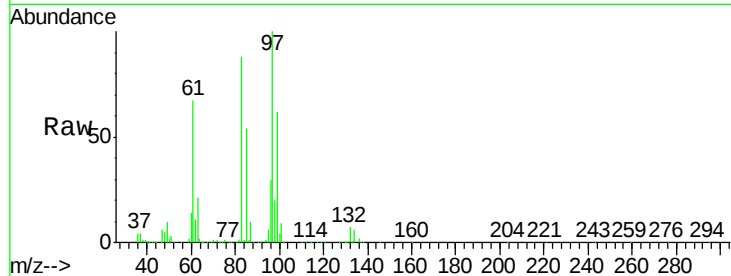
#47
 1,1,2-Trichloroethane
 Concen: 9.894 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	87.7	69.5	104.3	
85	54.2	43.8	65.8	
99	62.0	53.0	79.4	

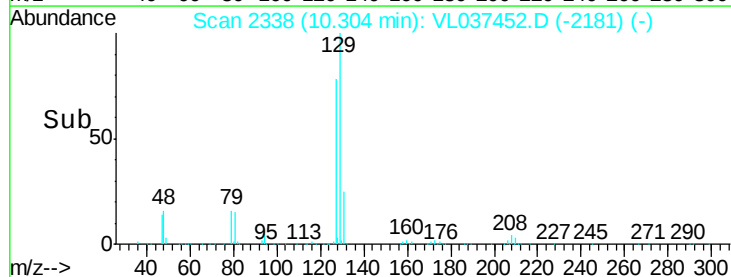
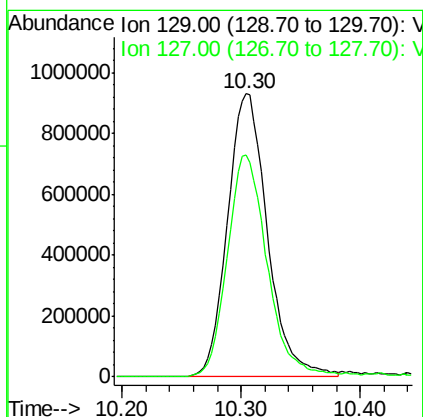
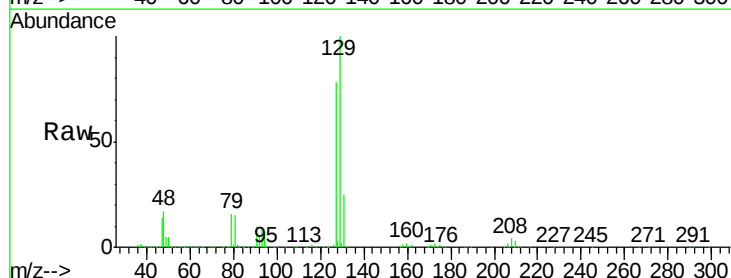
Manual Integrations
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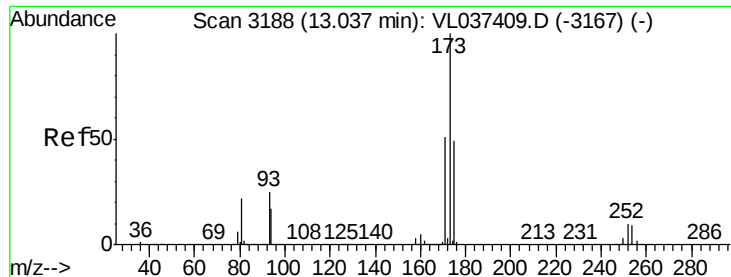
MMDadoda
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#48
 Dibromochloromethane
 Concen: 11.004 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	80.8	39.6	118.8	





#49

Bromoform

Concen: 11.032 ppbv

RT: 13.04 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 1639860

Ion Ratio Lower Upper

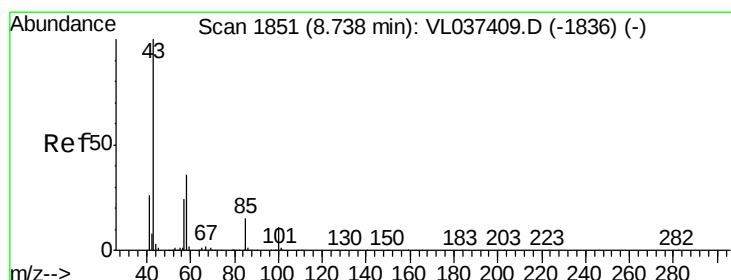
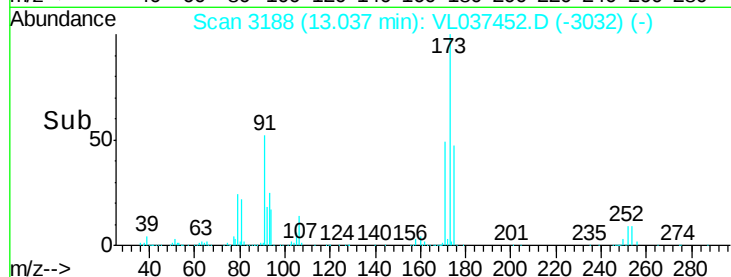
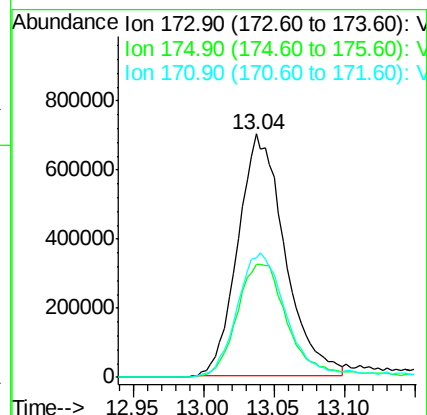
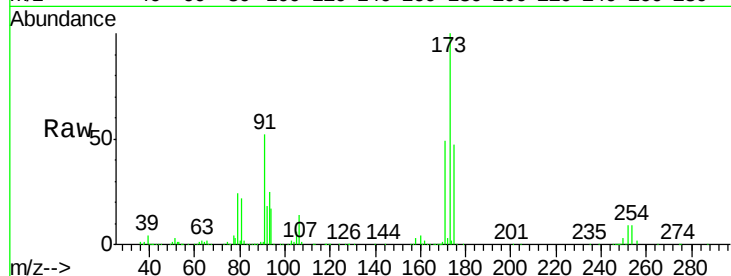
173 100

175 51.6 39.9 59.9

171 54.2 41.4 62.2

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#50

4-Methyl-2-Pentanone

Concen: 10.429 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.01 min

Lab File: VL037452.D

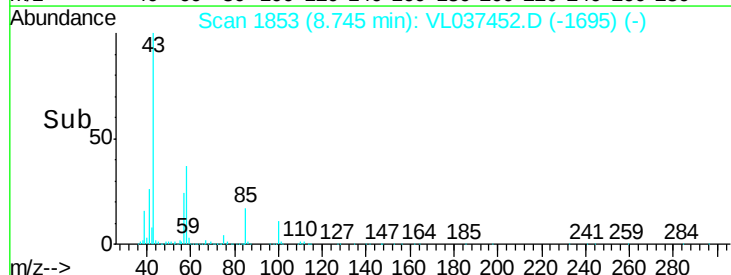
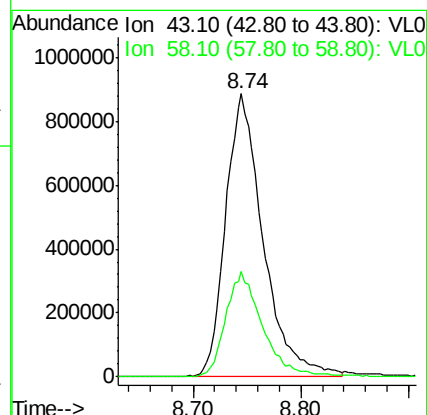
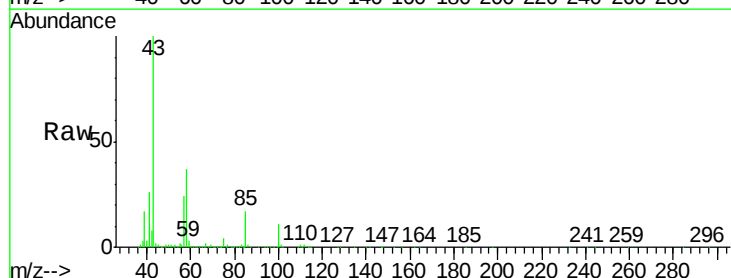
Acq: 13 Aug 2021 17:05

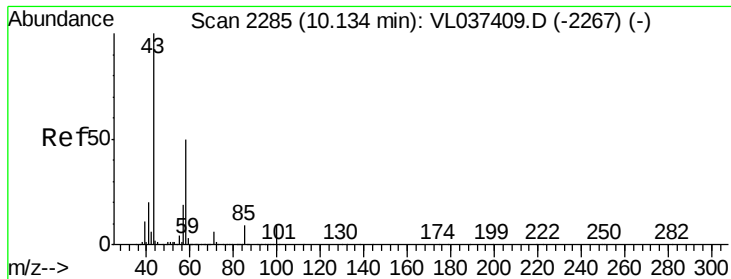
Tgt Ion: 43 Resp: 2120981

Ion Ratio Lower Upper

43 100

58 37.1 29.9 44.9





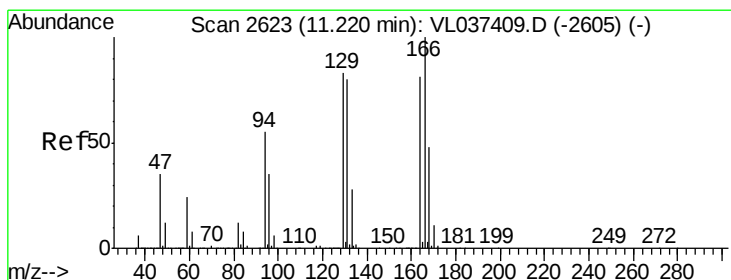
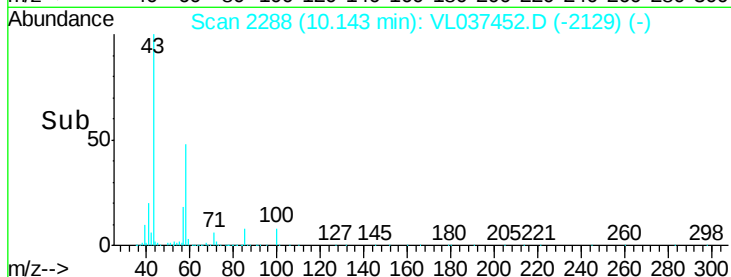
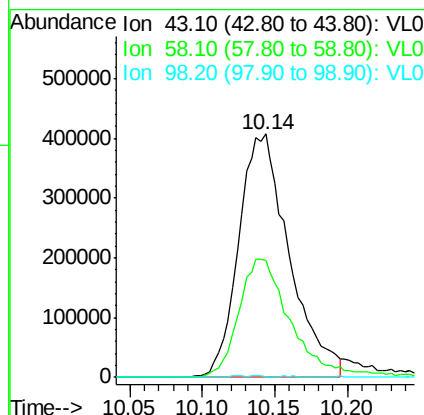
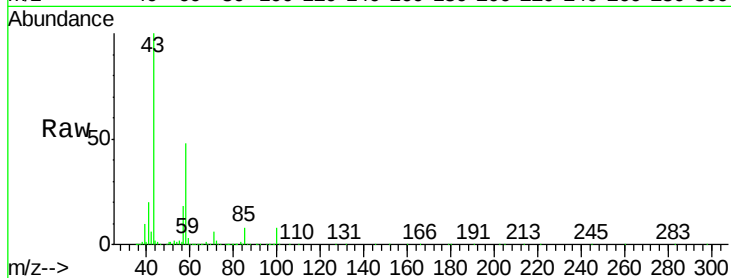
#51
2-Hexanone
Concen: 10.323 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.0	39.9	59.9
98	0.9	0.2	0.2#

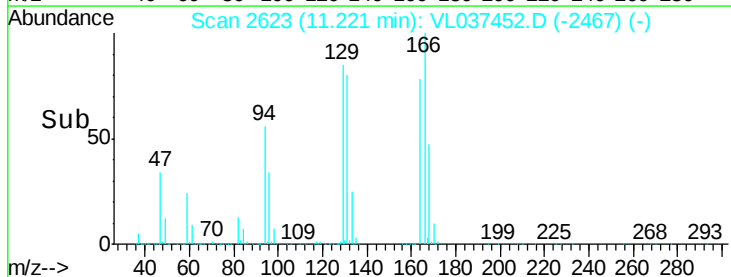
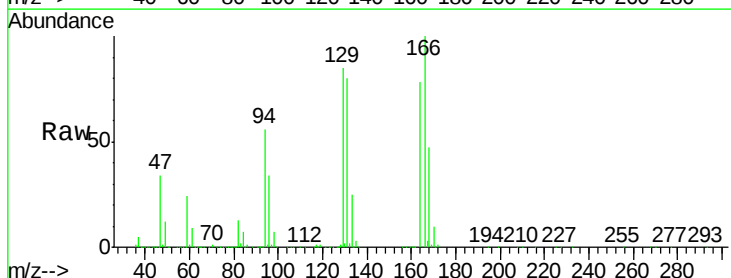
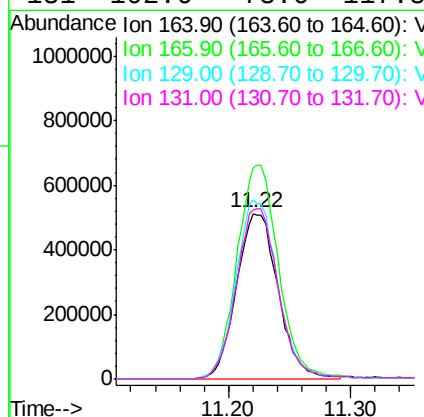
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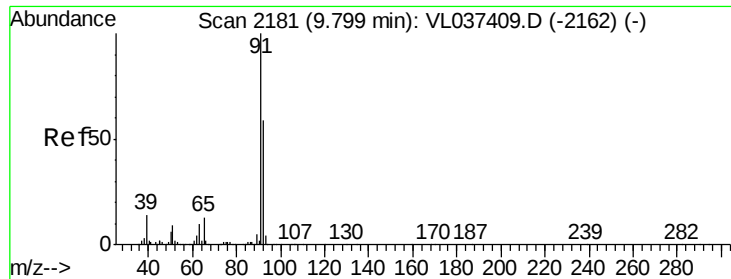
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#52
Tetrachloroethene
Concen: 8.646 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	98.6	147.8
129	108.5	82.0	123.0
131	102.6	78.6	117.8





#53

Toluene

Concen: 10.089 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3803333

Ion Ratio Lower Upper

91 100

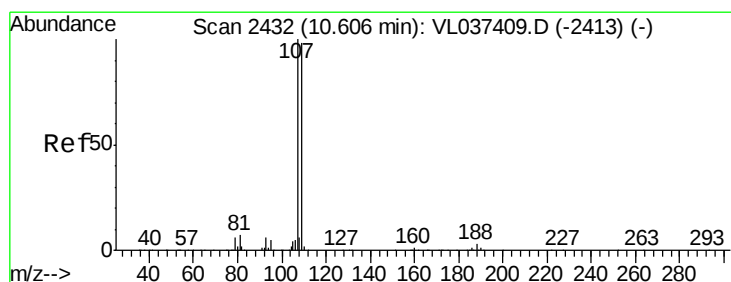
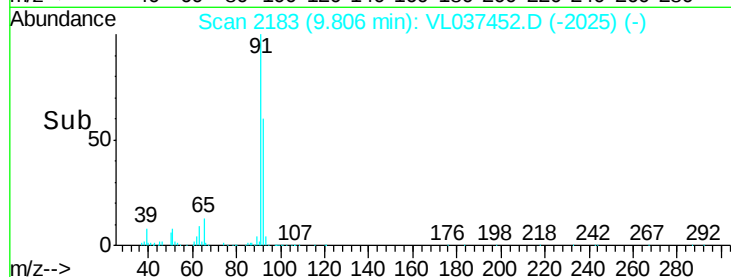
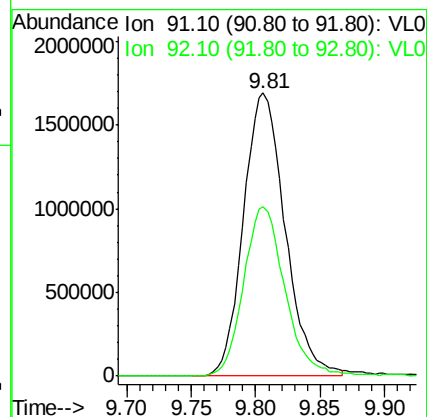
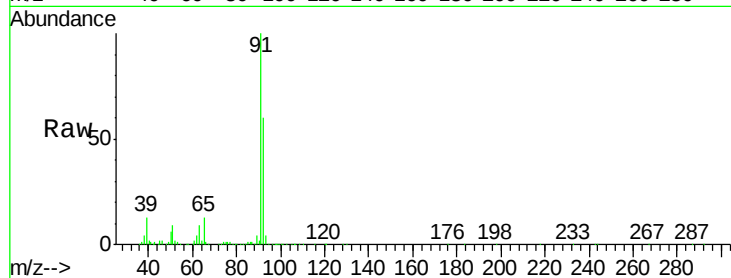
92 60.3 49.0 73.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.211 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. 0.01 min

Lab File: VL037452.D

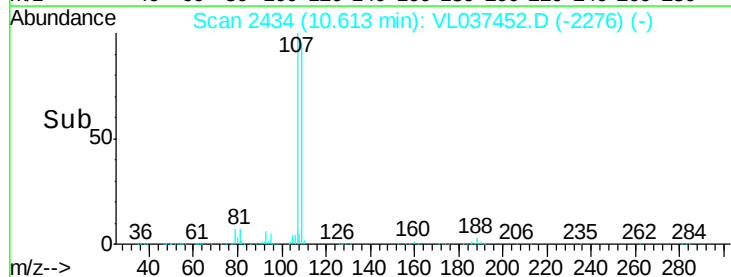
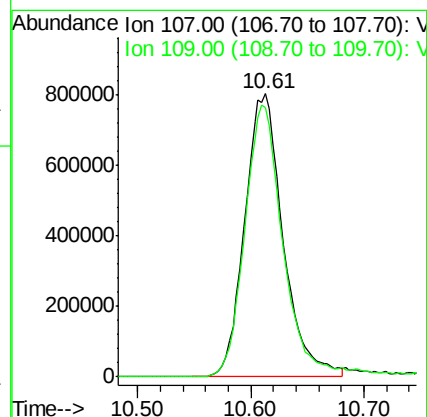
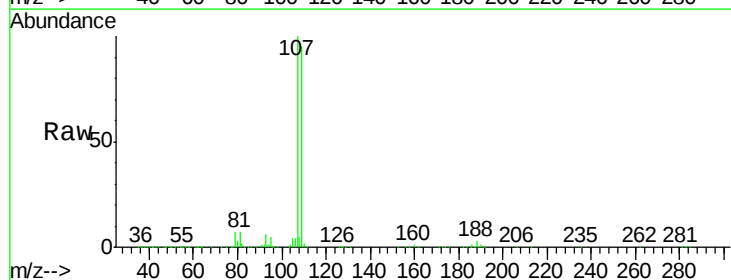
Acq: 13 Aug 2021 17:05

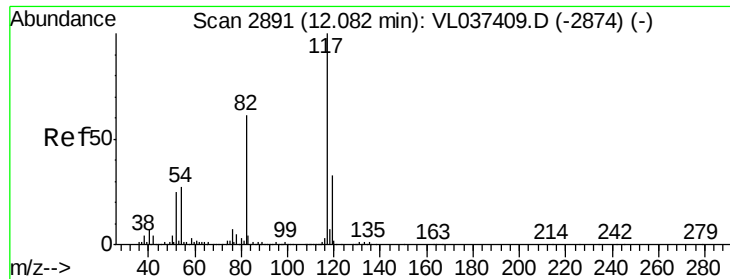
Tgt Ion: 107 Resp: 1889507

Ion Ratio Lower Upper

107 100

109 95.4 78.4 117.6





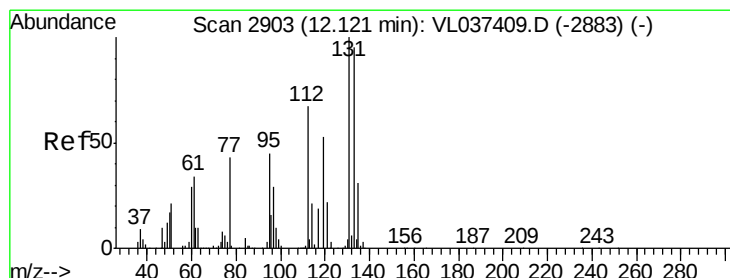
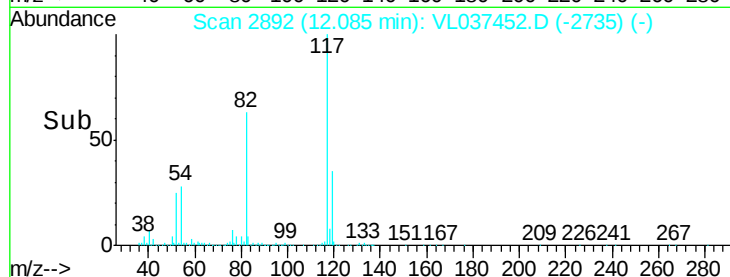
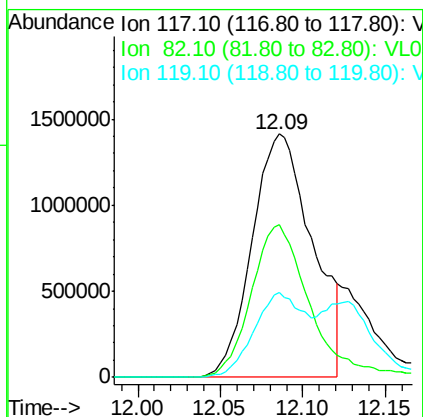
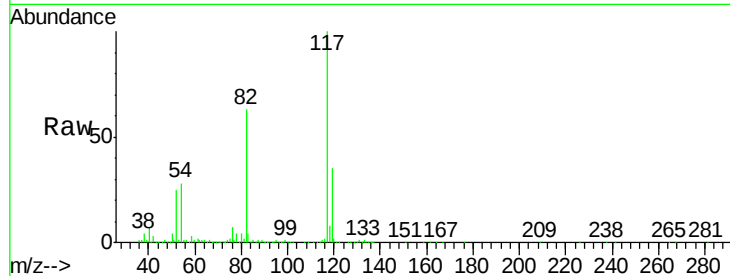
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3590664
Ion Ratio Lower Upper
117 100
82 64.4 53.1 79.7
119 30.7 28.0 42.0

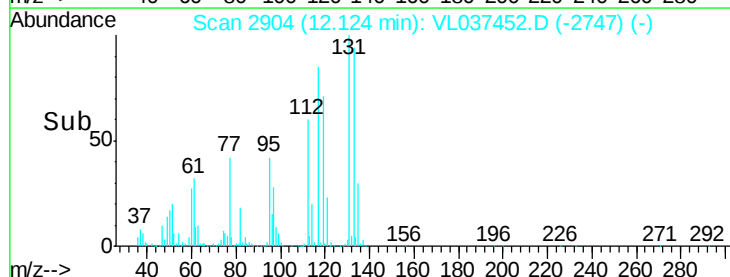
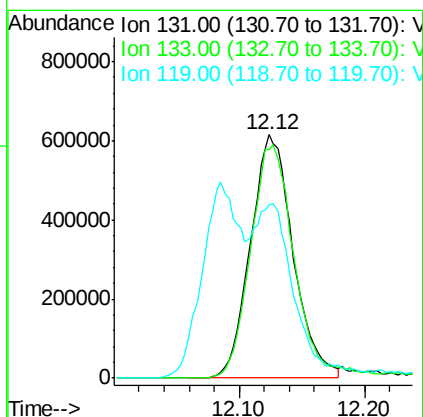
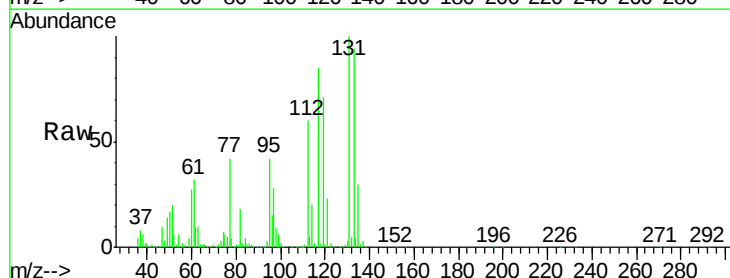
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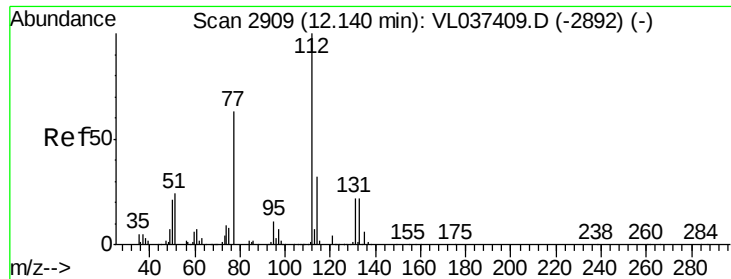
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.143 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion:131 Resp: 1449906
Ion Ratio Lower Upper
131 100
133 101.6 77.1 115.7
119 76.7 59.7 89.5





#57

Chlorobenzene

Concen: 9.241 ppbv

RT: 12.15 min Scan# 2911

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 112 Resp: 2689145

Ion Ratio Lower Upper

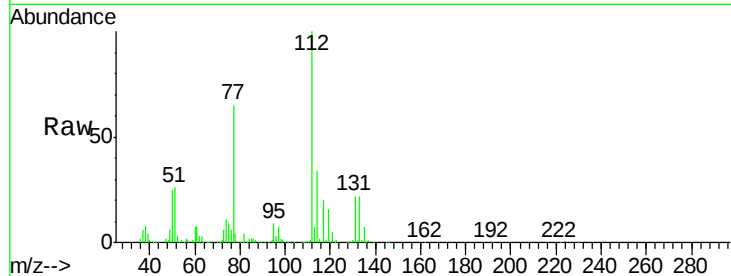
112 100

77 63.6 50.0 75.0

114 33.7 28.5 34.9

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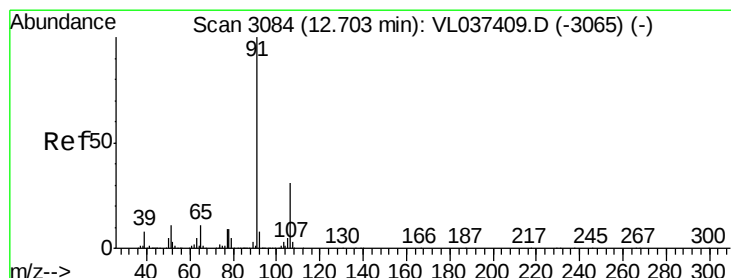
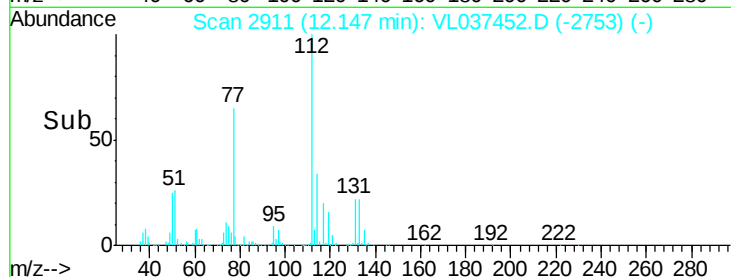
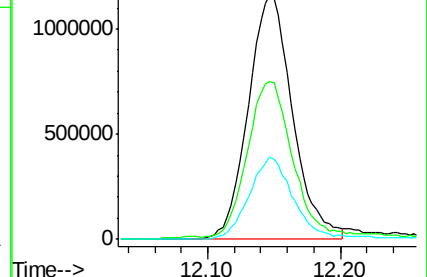
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.061 ppbv

RT: 12.71 min Scan# 3086

Delta R.T. 0.01 min

Lab File: VL037452.D

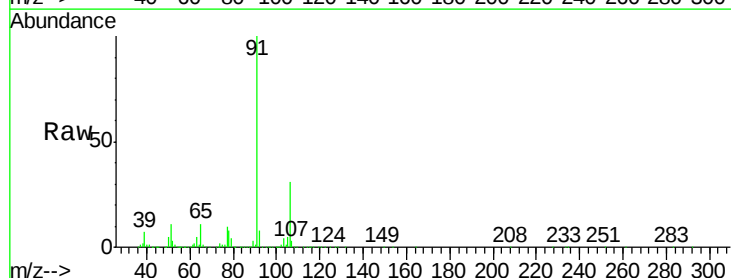
Acq: 13 Aug 2021 17:05

Tgt Ion: 91 Resp: 4900622

Ion Ratio Lower Upper

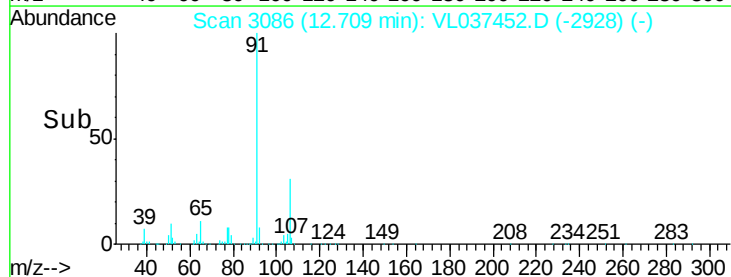
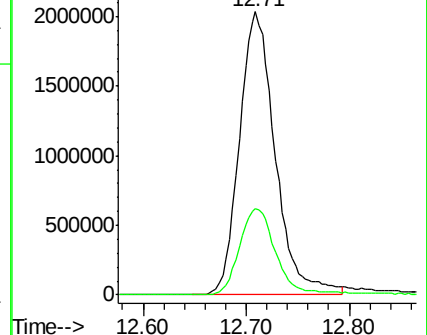
91 100

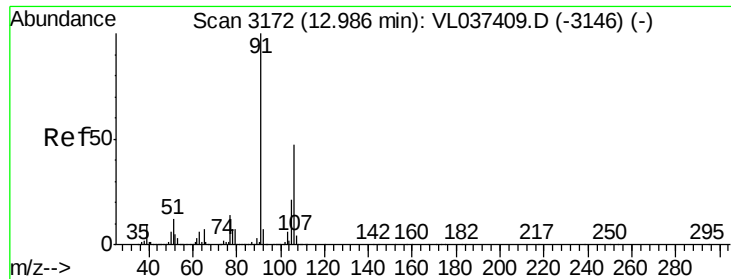
106 30.7 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





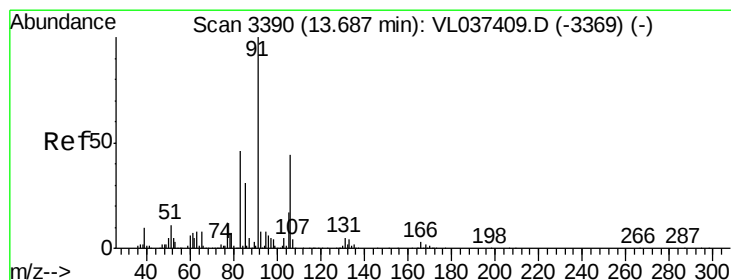
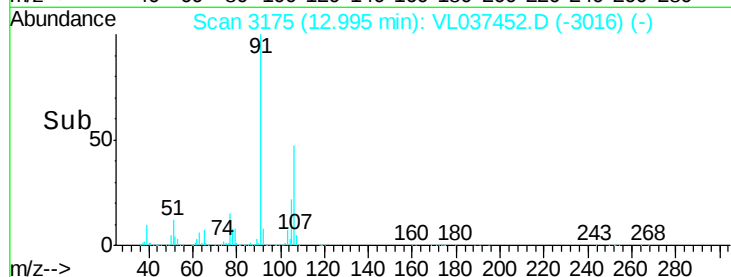
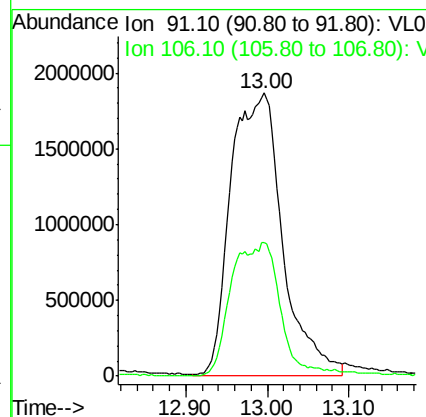
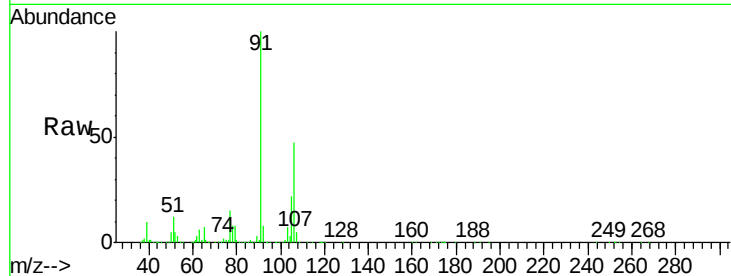
#59
m/p-Xylene
Concen: 19.303 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8259480
Ion Ratio Lower Upper
91 100
106 46.0 36.6 54.8

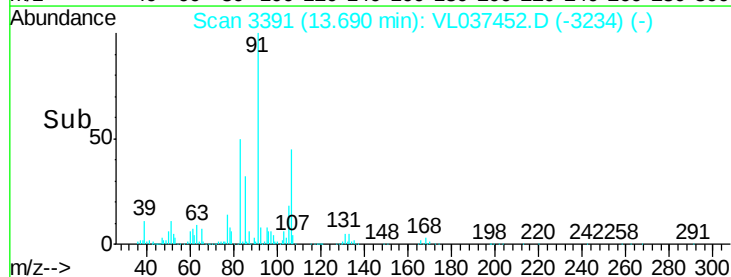
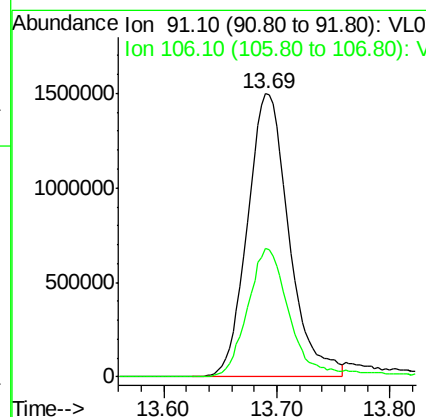
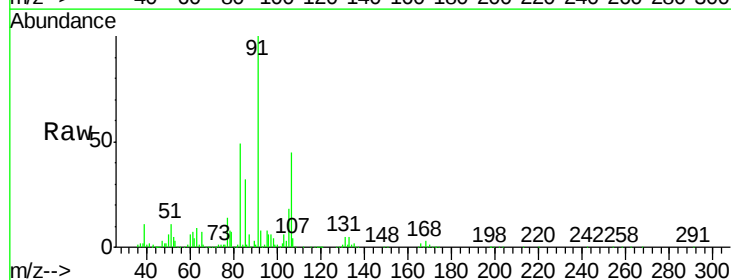
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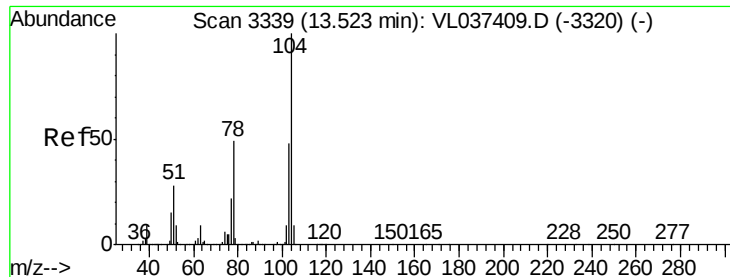
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#60
o-Xylene
Concen: 9.591 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion: 91 Resp: 3812477
Ion Ratio Lower Upper
91 100
106 47.9 24.1 72.2





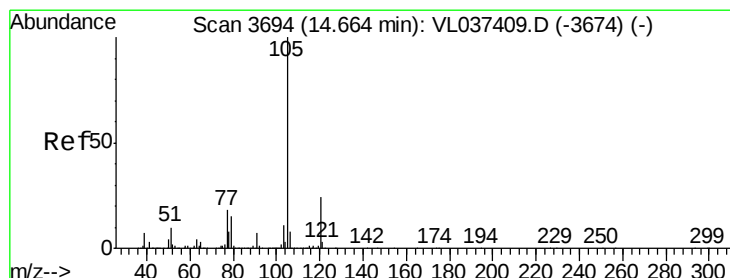
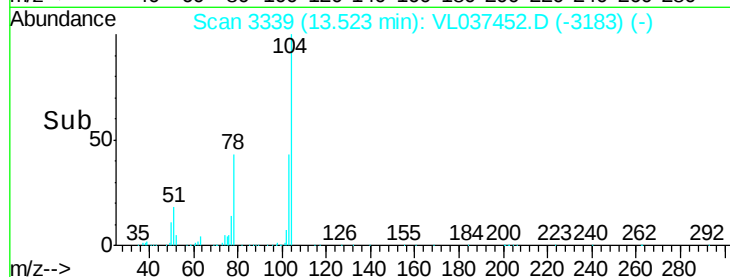
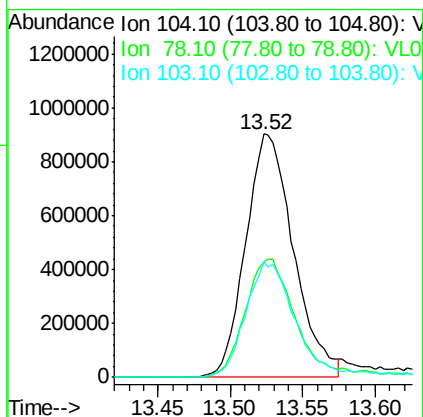
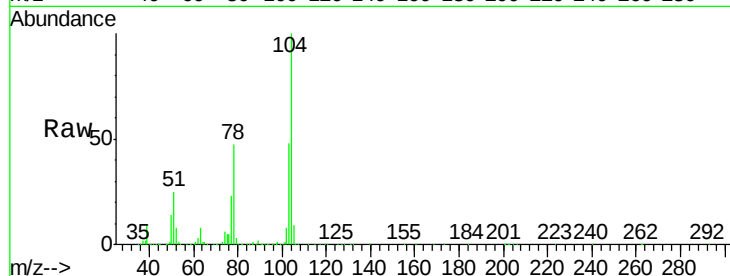
#61
Stvrene
Concen: 10.351 ppbv
RT: 13.52 min Scan# 3339
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.3	41.5	62.3
103	50.8	40.2	60.2

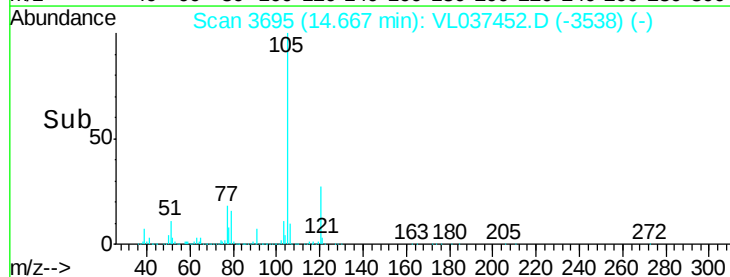
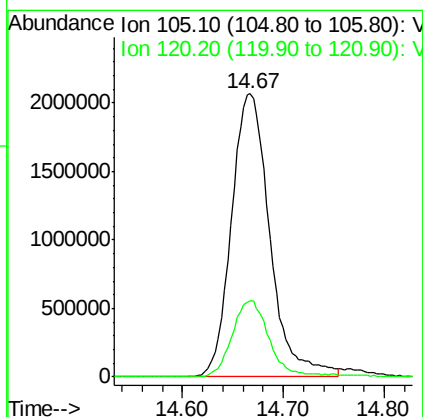
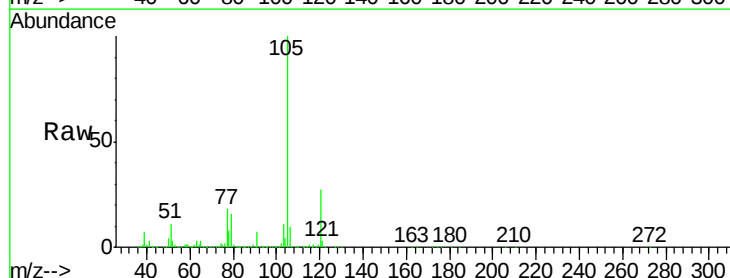
Manual Integrations
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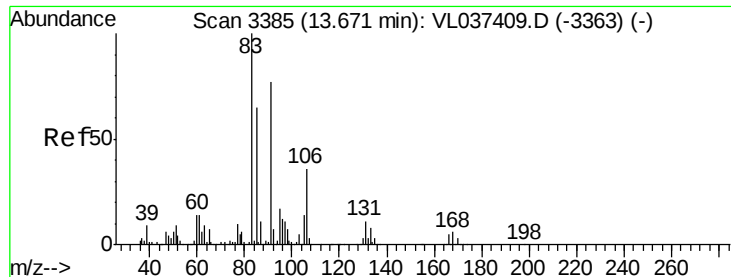
MMDadoda
8/16/2021 5:04:10 PM



#62
Isopropylbenzene
Concen: 9.606 ppbv
RT: 14.67 min Scan# 3695
Delta R.T. 0.00 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.6	32.4





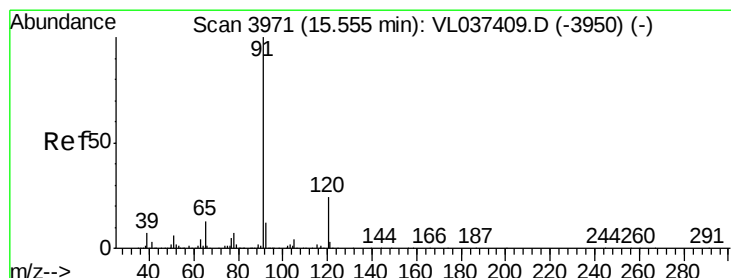
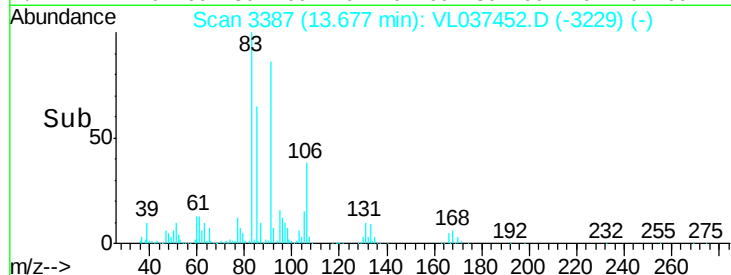
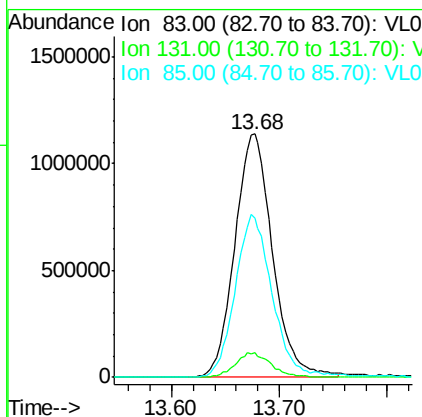
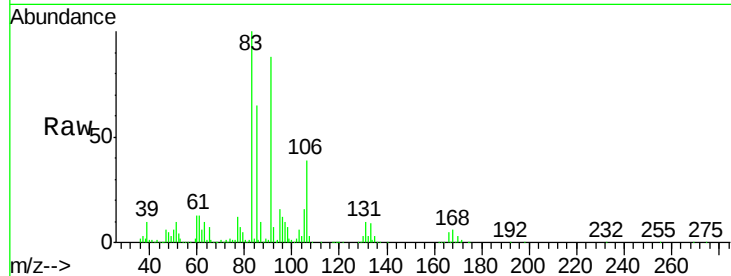
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.243 ppbv
 RT: 13.68 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2770809
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.4
85	66.6	33.4	100.2

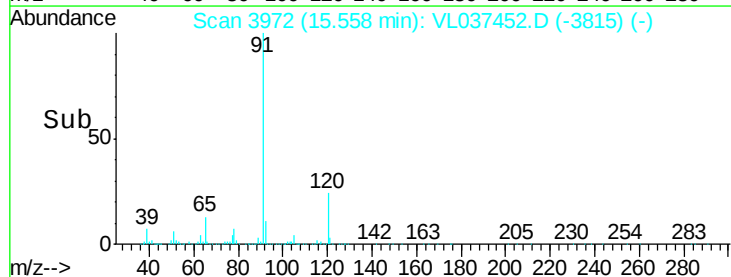
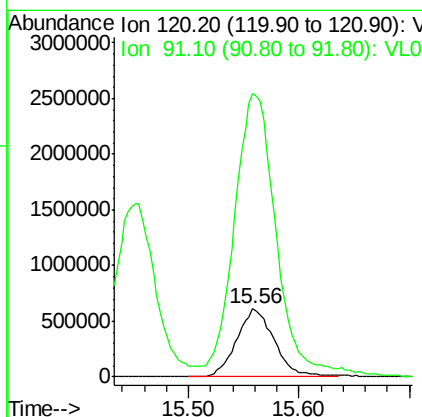
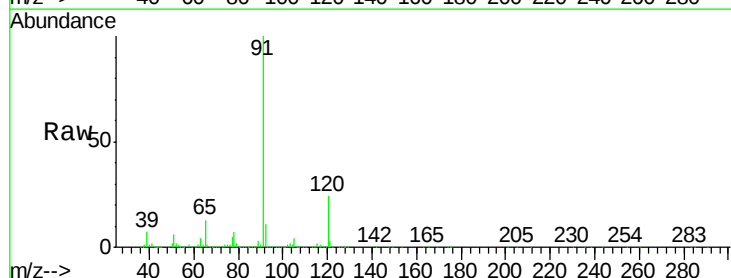
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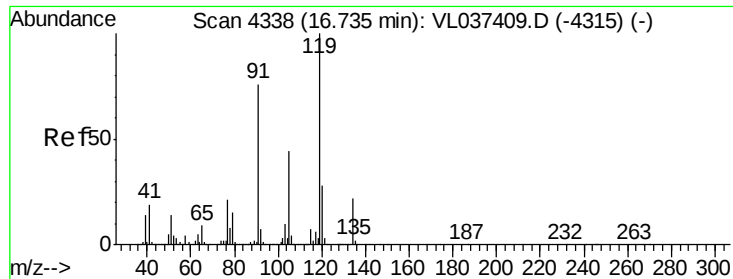
MMDadoda
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#64
 n-propylbenzene
 Concen: 10.178 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion	120	Resp	1455870
Ion Ratio	Lower	Upper	
120	100		
91	464.9	388.4	582.6





#65

tert-Butylbenzene

Concen: 9.459 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4848913

Ion Ratio Lower Upper

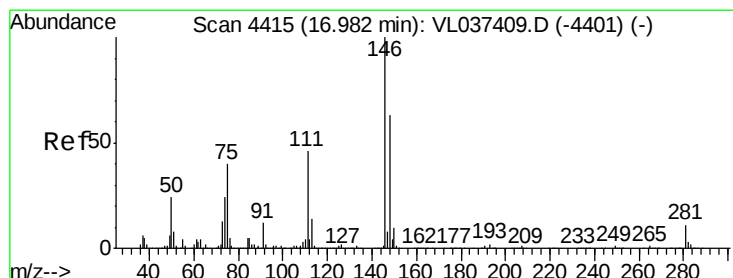
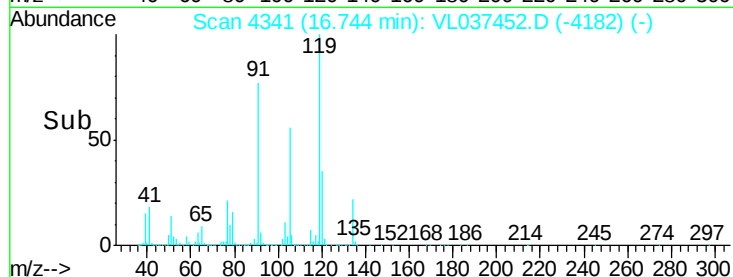
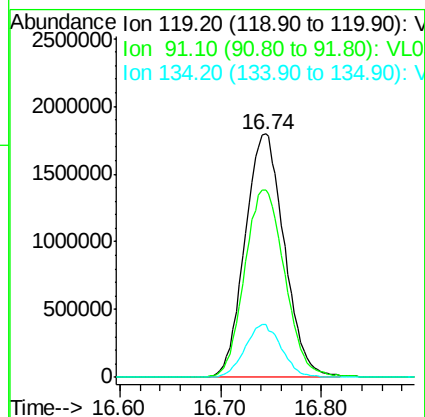
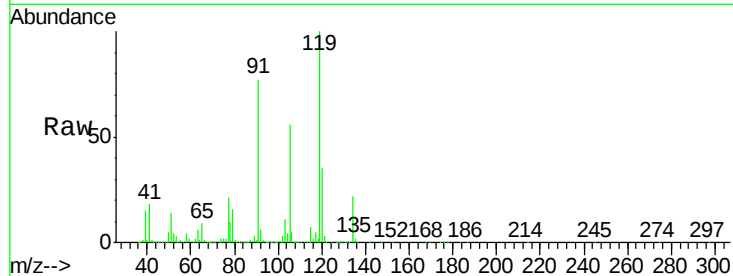
119 100

91 79.3 62.2 93.4

134 20.2 16.1 24.1

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#66

Benzyl Chloride

Concen: 8.408 ppbv

RT: 16.98 min Scan# 4415

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

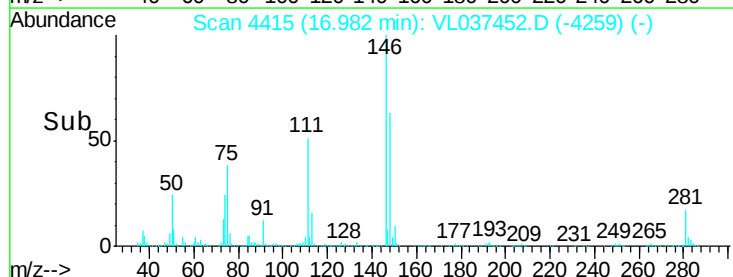
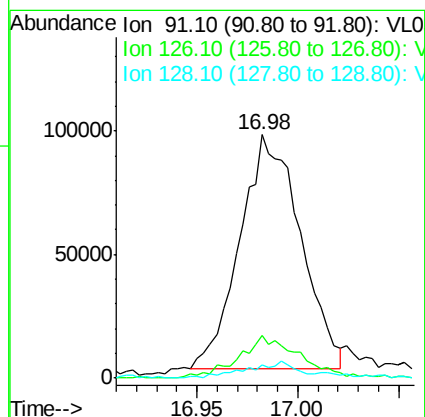
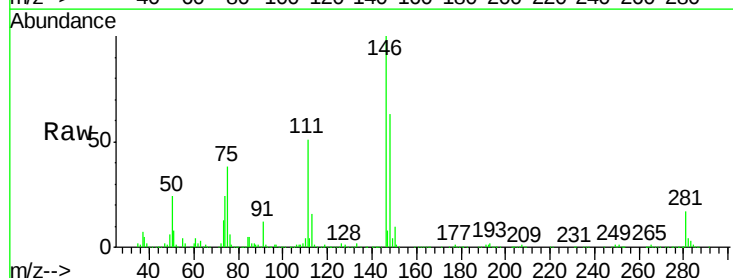
Tgt Ion: 91 Resp: 197208

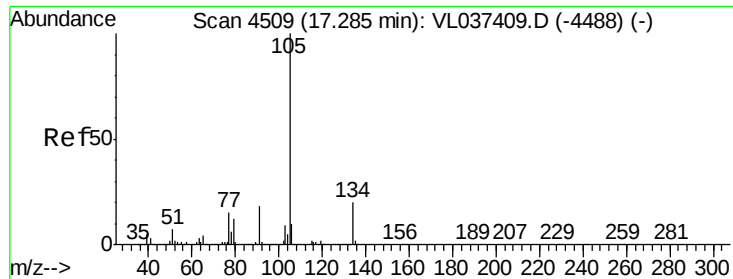
Ion Ratio Lower Upper

91 100

126 18.6 14.3 21.5

128 7.5 4.6 7.0#





#67

sec-Butylbenzene

Concen: 9.643 ppbv

RT: 17.29 min Scan# 4512

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6726404

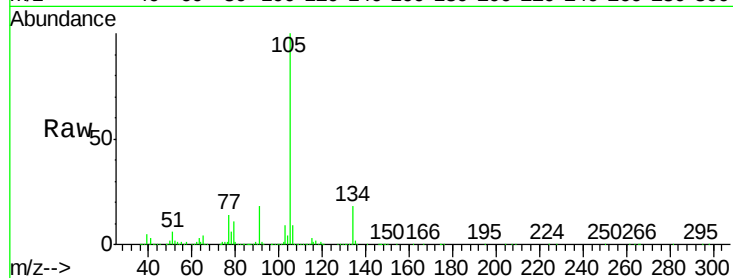
Ion Ratio Lower Upper

105 100

134 19.0 15.4 23.0

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

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

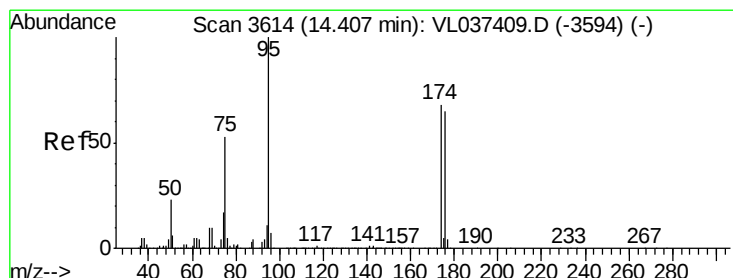
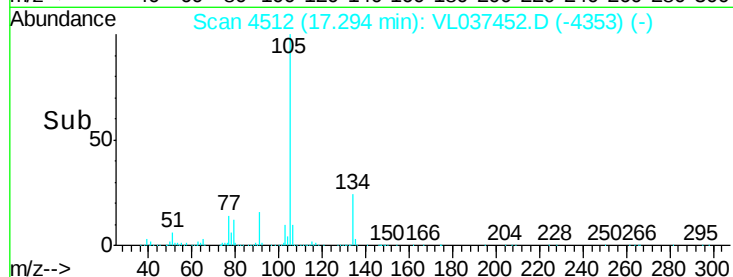
1000000

500000

0

17.20 17.30 17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 10.110 ppbv

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

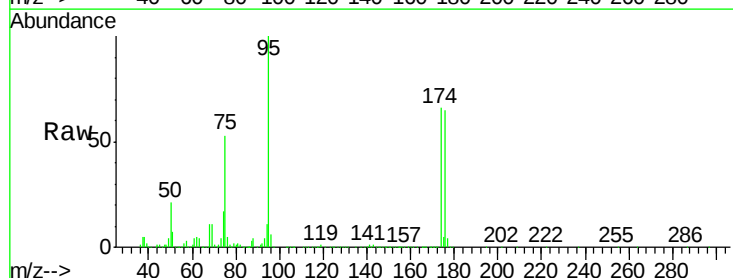
Tgt Ion: 95 Resp: 2604066

Ion Ratio Lower Upper

95 100

174 75.2 59.6 89.4

175 6.0 4.3 6.5



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

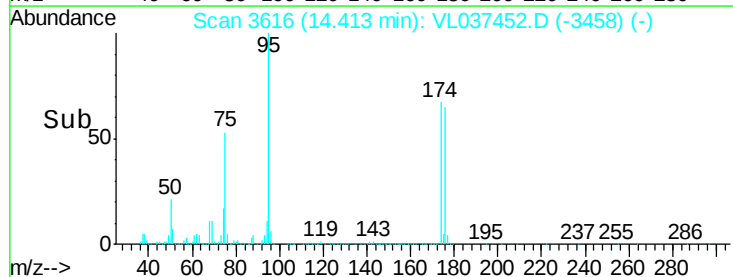
1000000

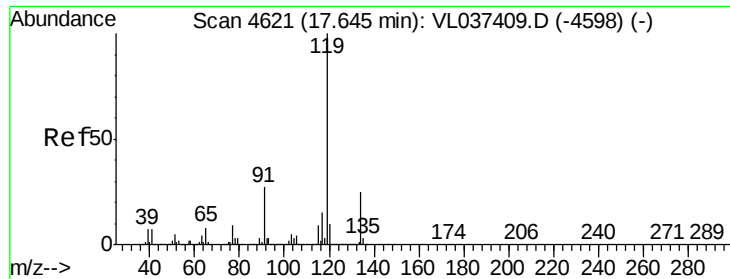
500000

0

14.30 14.40 14.50

Time-->





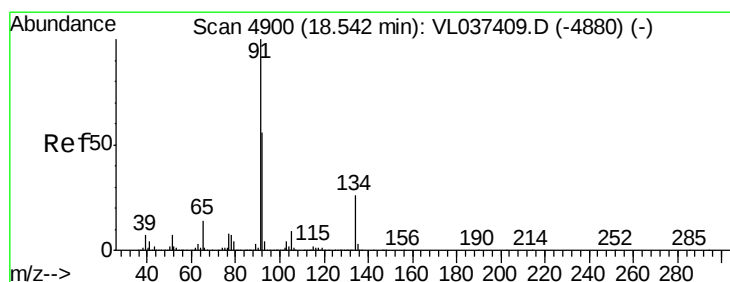
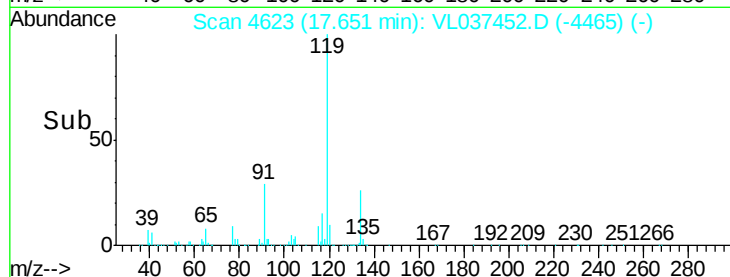
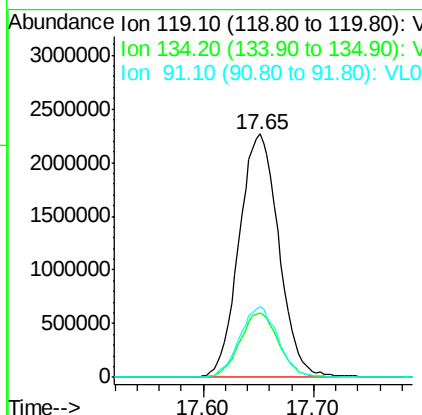
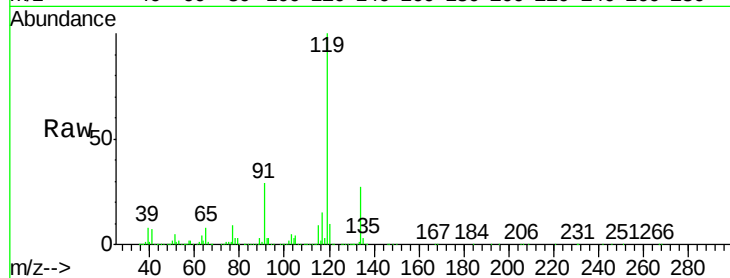
#69
 p-Isopropyltoluene
 Concen: 9.842 ppbv
 RT: 17.65 min Scan# 4623
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	20.6	31.0
91	28.2	22.4	33.6

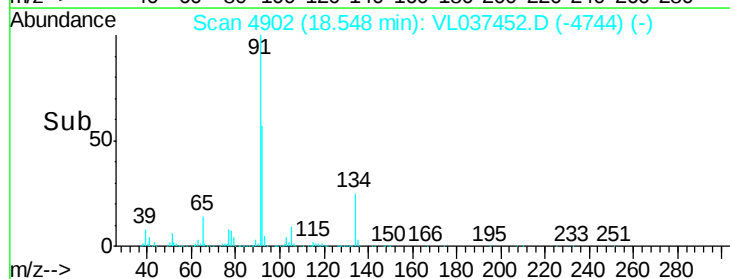
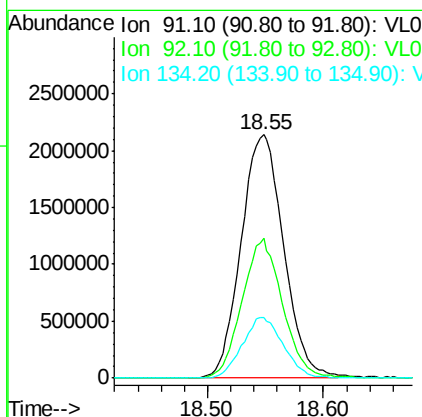
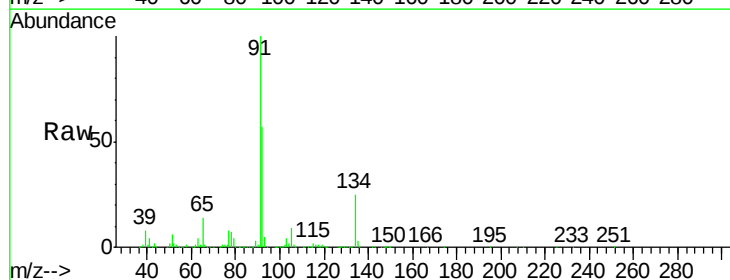
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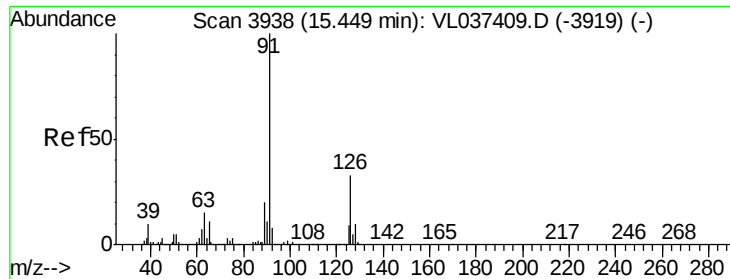
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#70
 n-Butylbenzene
 Concen: 10.262 ppbv
 RT: 18.55 min Scan# 4902
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.8	44.2	66.2
134	24.3	19.5	29.3





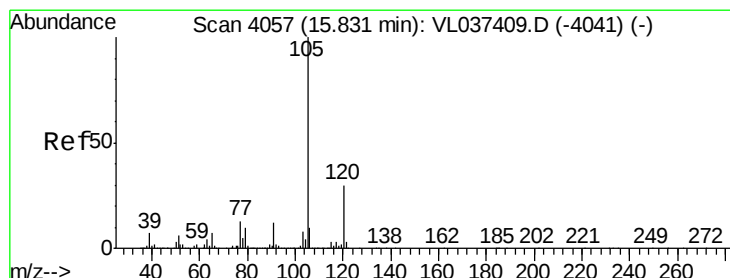
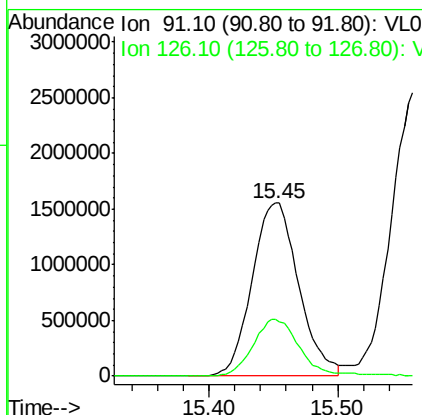
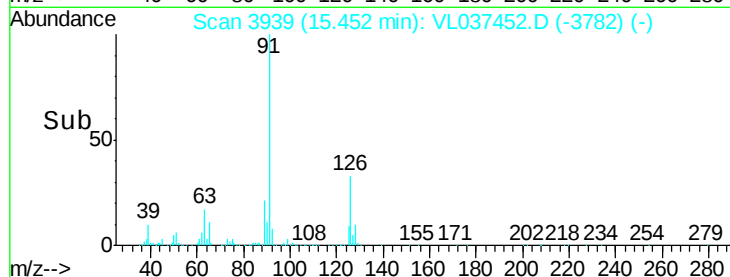
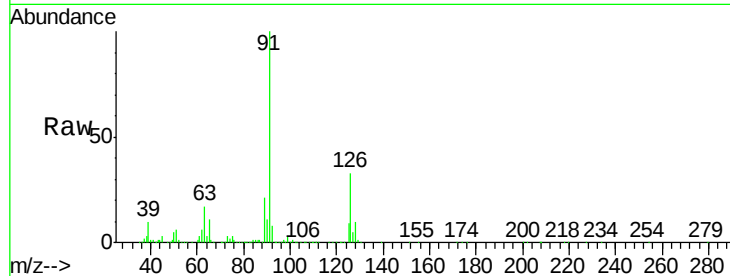
#71
 2-Chlorotoluene
 Concen: 9.718 ppbv
 RT: 15.45 min Scan# 3939
 Delta R.T. 0.00 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3907441
 Ion Ratio Lower Upper
 91 100
 126 33.9 13.5 53.9

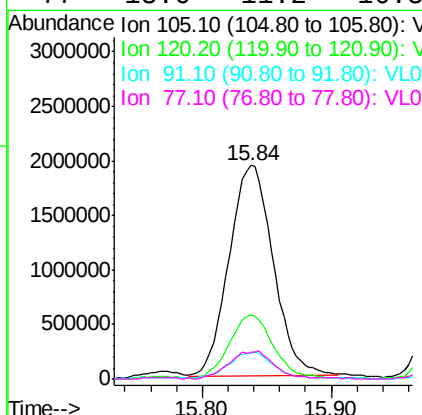
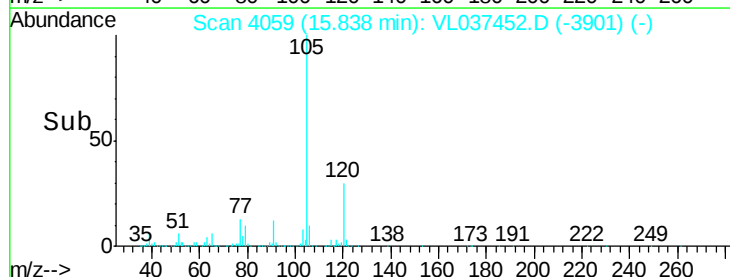
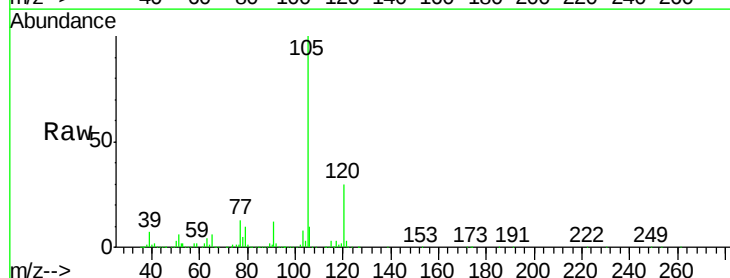
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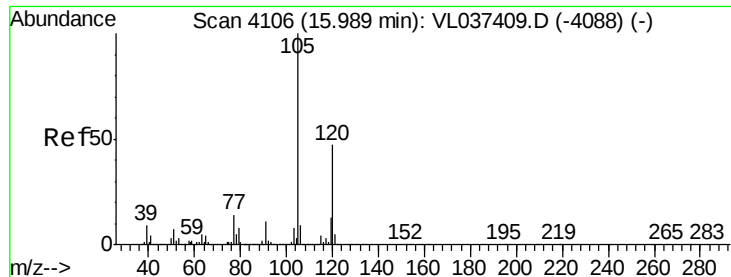
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#72
 4-Ethyltoluene
 Concen: 10.017 ppbv
 RT: 15.84 min Scan# 4059
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion: 105 Resp: 4621609
 Ion Ratio Lower Upper
 105 100
 120 30.7 25.0 37.4
 91 12.5 11.2 16.8
 77 13.6 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 9.649 ppbv

RT: 15.99 min Scan# 4107

Delta R.T. 0.00 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4209079

Ion Ratio Lower Upper

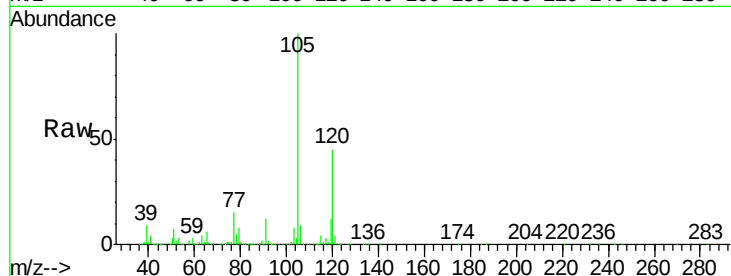
105 100

120 45.0 37.4 56.0

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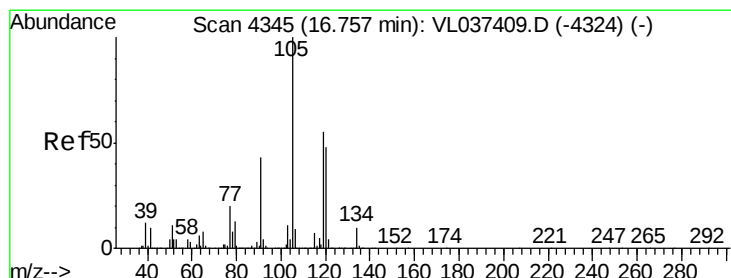
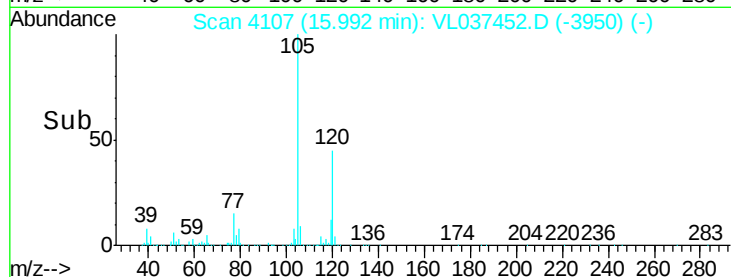
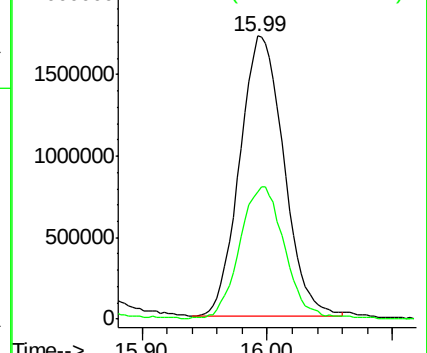
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.873 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037452.D

Acq: 13 Aug 2021 17:05

Tgt Ion:105 Resp: 4409399

Ion Ratio Lower Upper

105 100

120 48.4 38.2 57.2

91 41.9 35.4 53.2

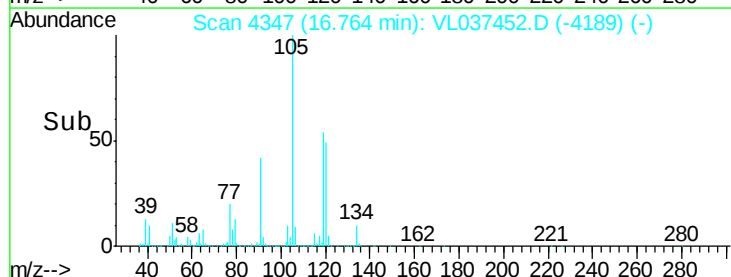
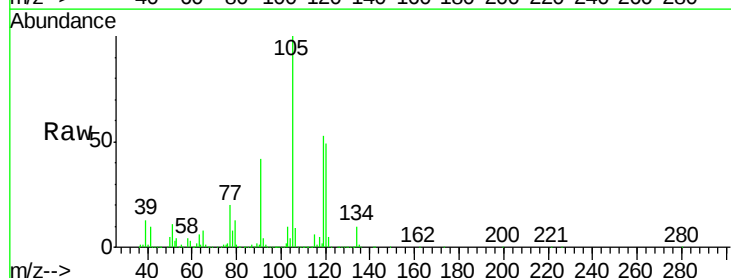
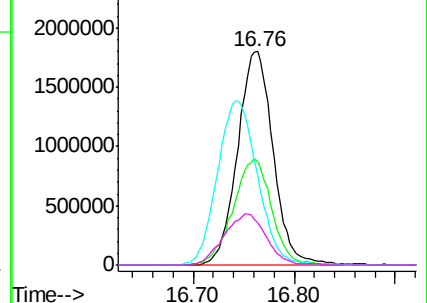
77 19.7 16.2 24.2

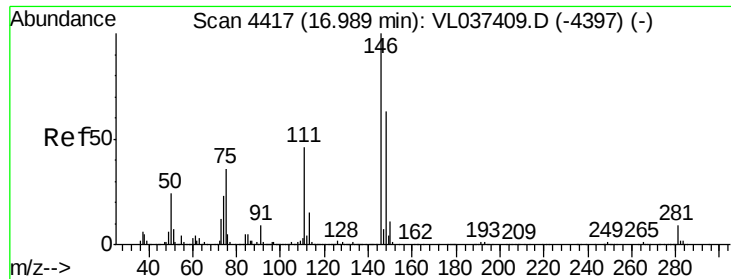
Abundance Ion 105.10 (104.80 to 105.80): V

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





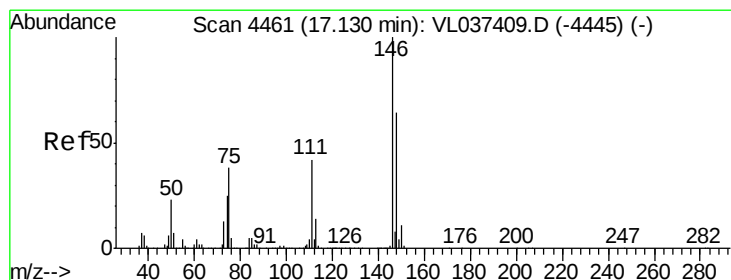
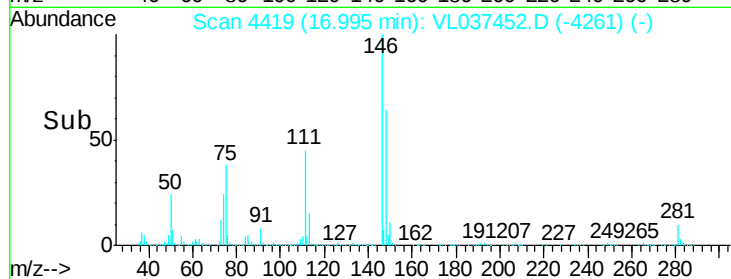
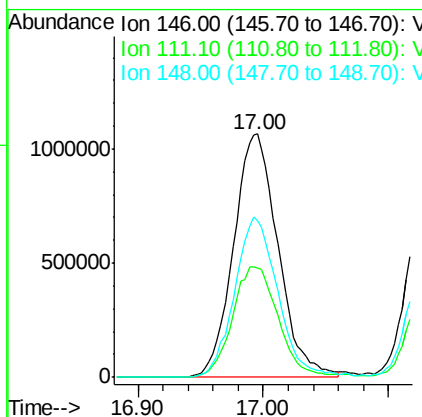
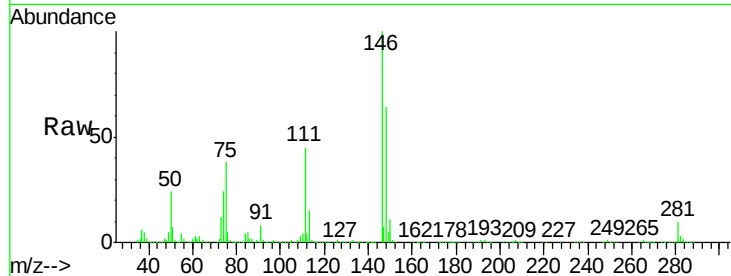
#75
 1,3-Dichlorobenzene
 Concen: 9.557 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.3	22.9	68.7
148	64.5	32.0	96.2

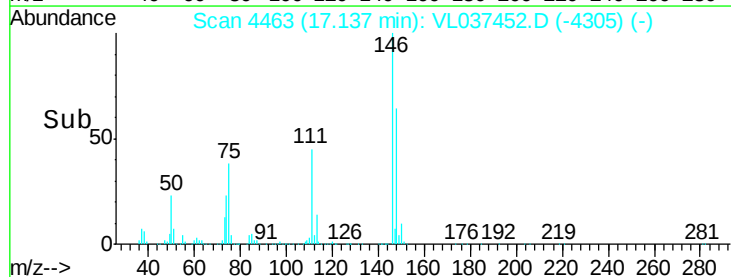
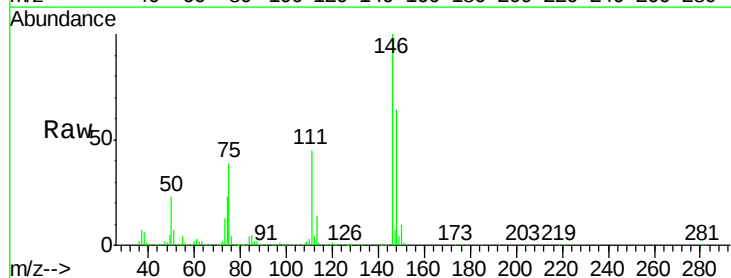
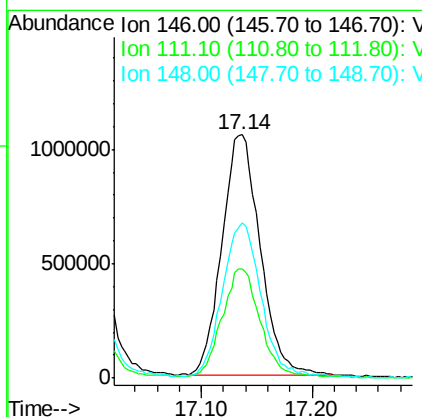
Manual Integrations
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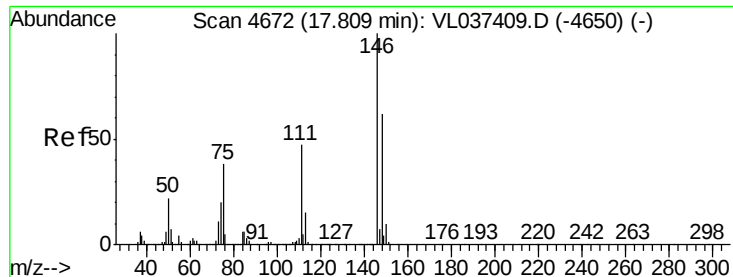
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#76
 1,4-Dichlorobenzene
 Concen: 9.349 ppbv
 RT: 17.14 min Scan# 4463
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	22.8	68.4
148	67.1	34.0	102.0





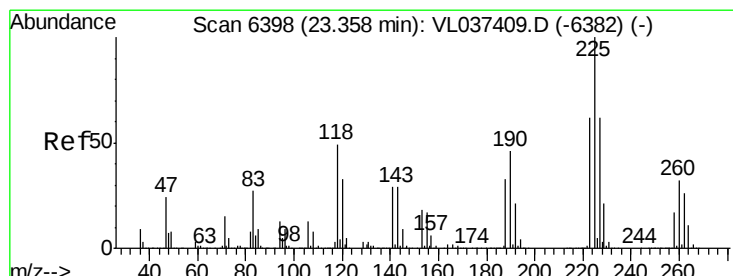
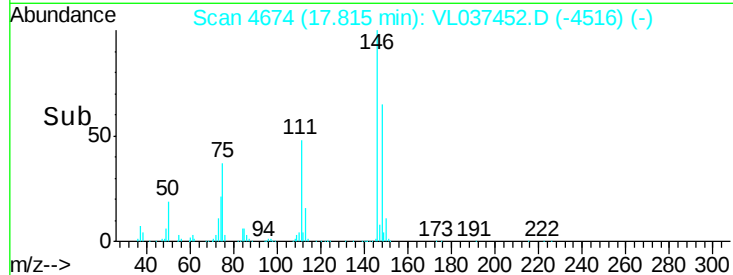
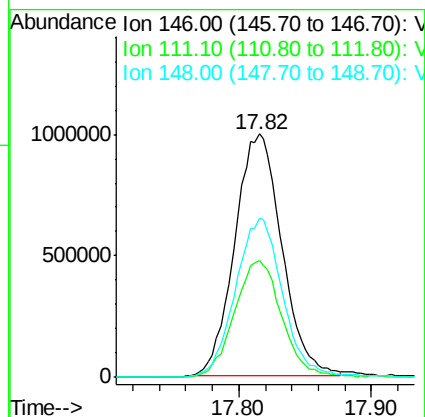
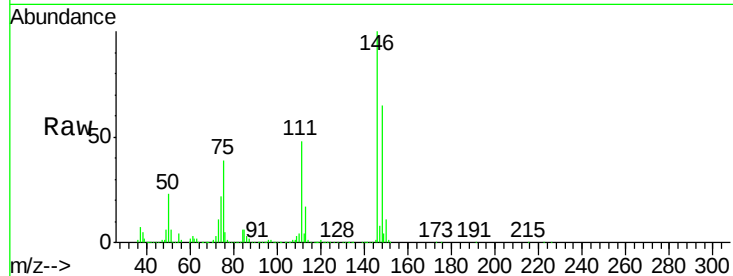
#77
 1,2-Dichlorobenzene
 Concen: 9.402 ppbv
 RT: 17.82 min Scan# 4674
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	23.8	71.5
148	65.9	32.5	97.4

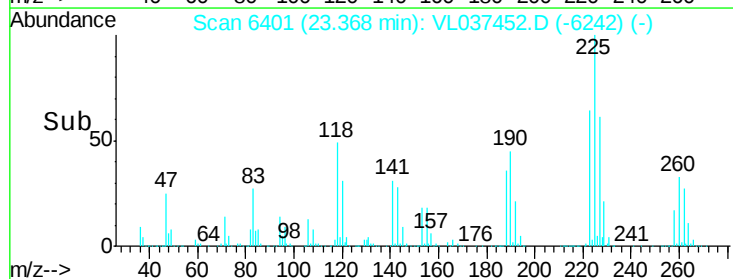
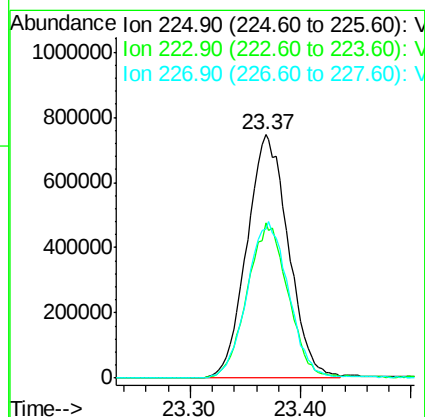
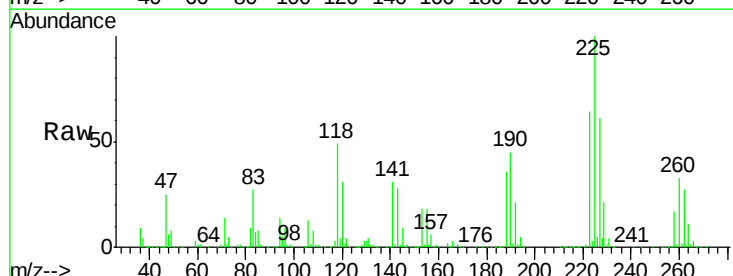
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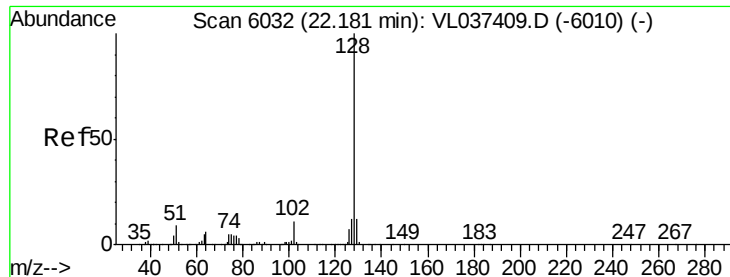
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.136 ppbv
 RT: 23.37 min Scan# 6401
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.2	76.8
227	65.1	52.2	78.4





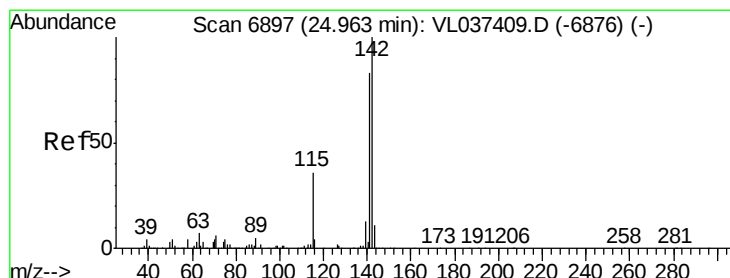
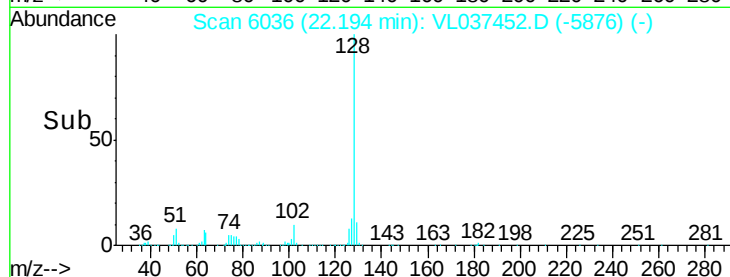
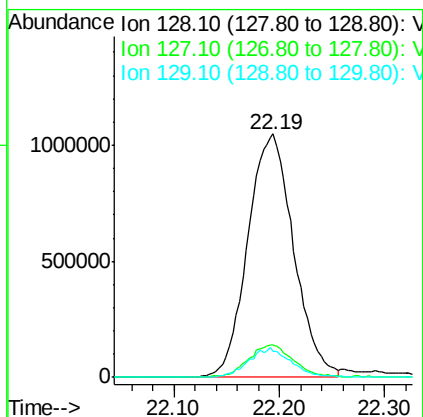
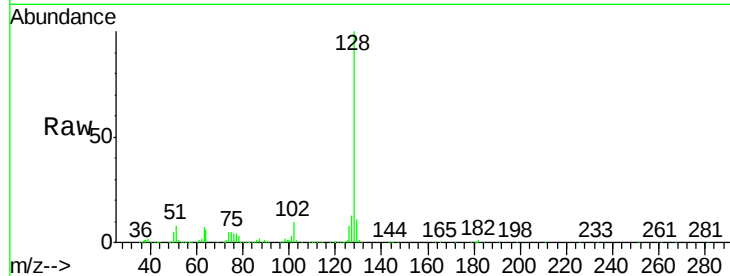
#79
Naphthalene
Concen: 13.024 ppbv
RT: 22.19 min Scan# 6036
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.9	14.9
129	10.6	9.4	14.0

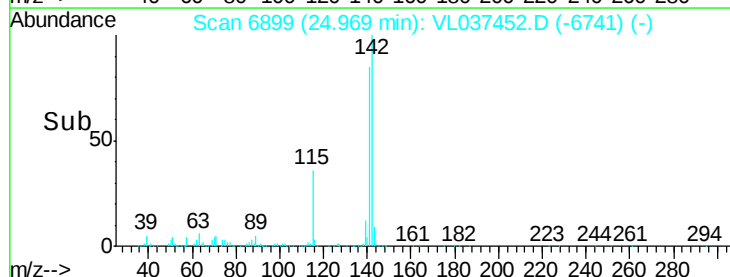
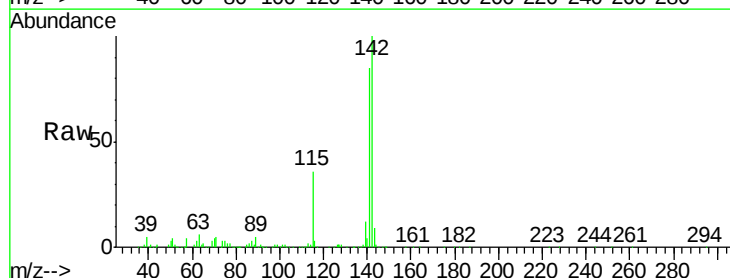
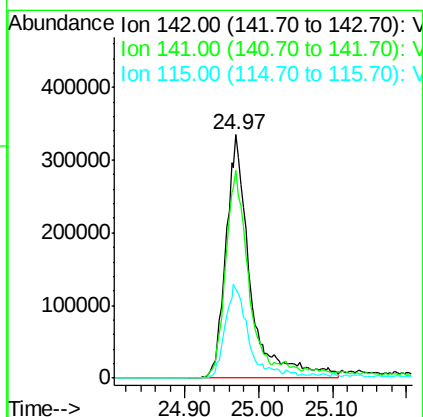
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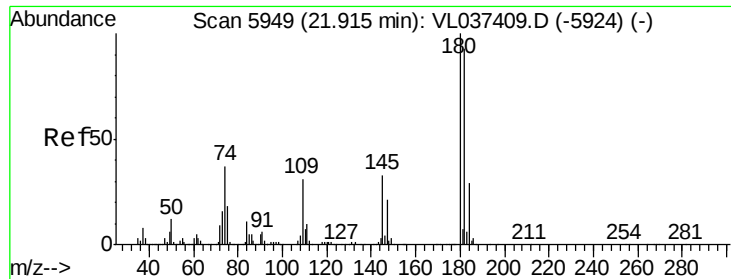
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#80
Naphthalene, 2-methyl-
Concen: 15.002 ppbv
RT: 24.97 min Scan# 6899
Delta R.T. 0.01 min
Lab File: VL037452.D
Acq: 13 Aug 2021 17:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.1	68.7	103.1
115	39.0	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 11.588 ppbv m
 RT: 21.92 min Scan# 5952
 Delta R.T. 0.01 min
 Lab File: VL037452.D
 Acq: 13 Aug 2021 17:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	100.2	78.6	118.0	
184	31.5	24.6	36.8	

Manual Integrations
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